

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
 Data File : VY022458.D
 Acq On : 29 May 2025 11:38
 Operator : SY/MD
 Sample : Q2126-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2025

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
 Supervised By :Semsettin Yesilyurt 05/30/2025

Quant Time: May 30 06:48:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.713	168	201989	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	354437	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	292130	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	127398	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	113238	53.224	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.440%			
35) Dibromofluoromethane	7.640	113	102892	49.570	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.140%			
50) Toluene-d8	10.109	98	418106	49.412	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.820%			
62) 4-Bromofluorobenzene	12.408	95	118499	46.297	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 92.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	8578	4.451	ug/l	99
3) Chloromethane	2.068	50	26424	5.574	ug/l	98
4) Vinyl Chloride	2.208	62	29205	5.072	ug/l	99
5) Bromomethane	2.598	94	27194	5.197	ug/l	93
6) Chloroethane	2.732	64	18850	5.009	ug/l	96
7) Trichlorofluoromethane	3.056	101	23564	4.850	ug/l	95
8) Diethyl Ether	3.458	74	5420	4.838	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.818	101	11007	5.164	ug/l	97
10) Methyl Iodide	4.007	142	8822	3.668	ug/l	95
11) Tert butyl alcohol	4.891	59	3555m	23.705	ug/l	
12) 1,1-Dichloroethene	3.787	96	9458	4.469	ug/l	89
13) Acrolein	3.659	56	4665	20.761	ug/l	88
14) Allyl chloride	4.391	41	14248	4.476	ug/l	96
15) Acrylonitrile	5.067	53	10156	22.490	ug/l	97
16) Acetone	3.879	43	8960	25.629	ug/l	92
17) Carbon Disulfide	4.110	76	30446	4.508	ug/l #	93
18) Methyl Acetate	4.397	43	5905m	4.509	ug/l	
19) Methyl tert-butyl Ether	5.128	73	25226	4.490	ug/l #	89
20) Methylene Chloride	4.622	84	13353	5.409	ug/l	95
21) trans-1,2-Dichloroethene	5.122	96	10690	4.627	ug/l	87
22) Diisopropyl ether	6.018	45	31008	4.413	ug/l #	91
23) Vinyl Acetate	5.964	43	85441	21.179	ug/l	98
24) 1,1-Dichloroethane	5.921	63	18061	4.350	ug/l	97
25) 2-Butanone	6.908	43	12669	21.759	ug/l #	87
26) 2,2-Dichloropropane	6.896	77	16071	4.275	ug/l	100
27) cis-1,2-Dichloroethene	6.902	96	12239	4.576	ug/l	96
28) Bromochloromethane	7.250	49	7917	4.567	ug/l	98
29) Tetrahydrofuran	7.262	42	8823	22.721	ug/l	95
30) Chloroform	7.421	83	18625	4.553	ug/l	96
31) Cyclohexane	7.707	56	23741	5.801	ug/l #	89
32) 1,1,1-Trichloroethane	7.622	97	16426	4.424	ug/l	96
36) 1,1-Dichloropropene	7.835	75	14377	4.365	ug/l	98
37) Ethyl Acetate	6.988	43	6752	4.824	ug/l #	95
38) Carbon Tetrachloride	7.817	117	14347	4.181	ug/l	94
39) Methylcyclohexane	9.109	83	20813	4.754	ug/l	96
40) Benzene	8.079	78	43399	4.428	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
 Data File : VY022458.D
 Acq On : 29 May 2025 11:38
 Operator : SY/MD
 Sample : Q2126-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2025

Quant Time: May 30 06:48:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
 Supervised By :Semsettin Yesilyurt 05/30/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	3947m	4.646	ug/l	
42) 1,2-Dichloroethane	8.158	62	11561	4.466	ug/l	100
43) Isopropyl Acetate	8.201	43	12947	4.233	ug/l	96
44) Trichloroethene	8.872	130	10496	4.332	ug/l	100
45) 1,2-Dichloropropane	9.140	63	9972	4.330	ug/l	94
46) Dibromomethane	9.231	93	5376	4.179	ug/l	94
47) Bromodichloromethane	9.426	83	13831	4.181	ug/l	95
48) Methyl methacrylate	9.219	41	5816	4.096	ug/l	93
49) 1,4-Dioxane	9.237	88	1357	95.507	ug/l #	89
51) 4-Methyl-2-Pentanone	9.999	43	29539	19.572	ug/l	100
52) Toluene	10.176	92	25784	4.212	ug/l	98
53) t-1,3-Dichloropropene	10.402	75	11891	3.859	ug/l	90
54) cis-1,3-Dichloropropene	9.853	75	14560	4.021	ug/l	95
55) 1,1,2-Trichloroethane	10.572	97	6805	4.184	ug/l	97
56) Ethyl methacrylate	10.444	69	8936	3.829	ug/l	96
57) 1,3-Dichloropropane	10.719	76	12164	4.244	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.713	63	23230	19.971	ug/l	99
59) 2-Hexanone	10.761	43	19039	19.249	ug/l	100
60) Dibromochloromethane	10.914	129	8582	4.131	ug/l	93
61) 1,2-Dibromoethane	11.018	107	6316	4.246	ug/l	98
64) Tetrachloroethene	10.646	164	11220	4.510	ug/l	97
65) Chlorobenzene	11.444	112	27268	4.378	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.517	131	8631	4.090	ug/l	95
67) Ethyl Benzene	11.517	91	48002	4.150	ug/l	97
68) m/p-Xylenes	11.627	106	35996	8.209	ug/l	98
69) o-Xylene	11.956	106	16896	4.100	ug/l	98
70) Styrene	11.969	104	27403	3.993	ug/l	97
71) Bromoform	12.133	173	4227	3.824	ug/l #	98
73) Isopropylbenzene	12.255	105	45607	4.549	ug/l	100
74) N-amyl acetate	12.072	43	10334	4.212	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	6806	4.308	ug/l	97
76) 1,2,3-Trichloropropane	12.560	75	6473m	5.072	ug/l	
77) Bromobenzene	12.529	156	9715	4.502	ug/l	98
78) n-propylbenzene	12.596	91	56627	4.706	ug/l	99
79) 2-Chlorotoluene	12.682	91	29813	4.577	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	36238	4.626	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	2236	3.963	ug/l	98
82) 4-Chlorotoluene	12.779	91	31110	4.637	ug/l	98
83) tert-Butylbenzene	12.999	119	34440	4.866	ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	35640	4.521	ug/l	98
85) sec-Butylbenzene	13.176	105	51105	4.868	ug/l	100
86) p-Isopropyltoluene	13.291	119	39893	4.551	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	19083	4.395	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	19587	4.718	ug/l	88
89) n-Butylbenzene	13.621	91	39214	4.771	ug/l	99
90) Hexachloroethane	13.883	117	8894	5.099	ug/l	97
91) 1,2-Dichlorobenzene	13.663	146	16643	4.590	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	1166	4.777	ug/l	92
93) 1,2,4-Trichlorobenzene	14.919	180	10009	4.979	ug/l	96
94) Hexachlorobutadiene	15.023	225	6457	6.120	ug/l	94
95) Naphthalene	15.145	128	15989	4.302	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	8206	4.977	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
Data File : VY022458.D
Acq On : 29 May 2025 11:38
Operator : SY/MD
Sample : Q2126-03
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

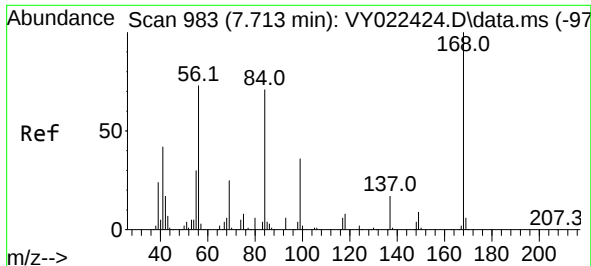
Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

Quant Time: May 30 06:48:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
Quant Title : SW846 8260
QLast Update : Wed May 28 10:34:06 2025
Response via : Initial Calibration

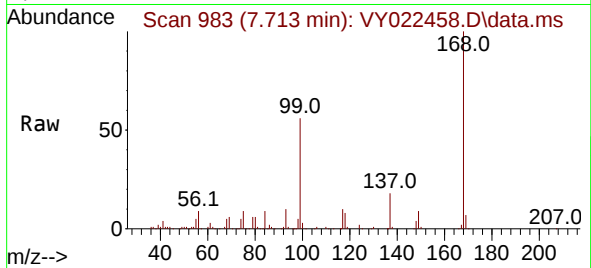
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

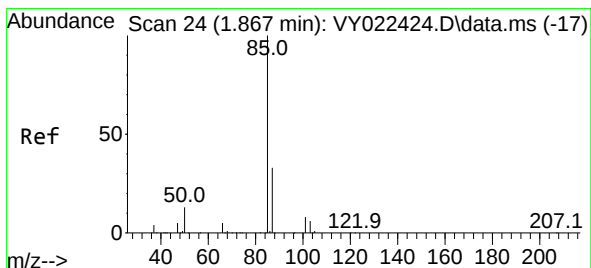
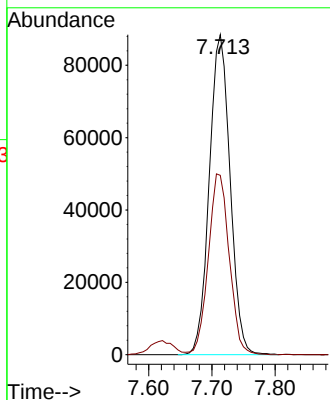
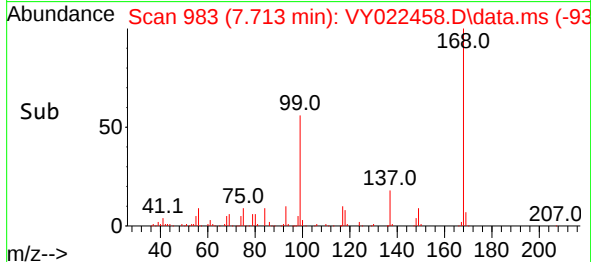
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion:168 Resp: 201989
Ion Ratio Lower Upper
168 100
99 56.0 44.7 67.1

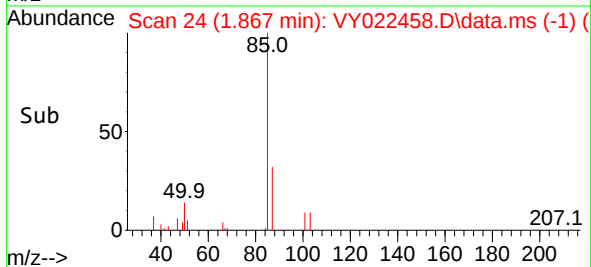
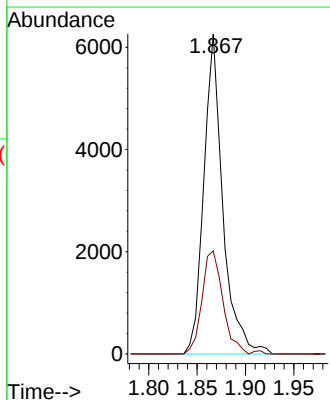
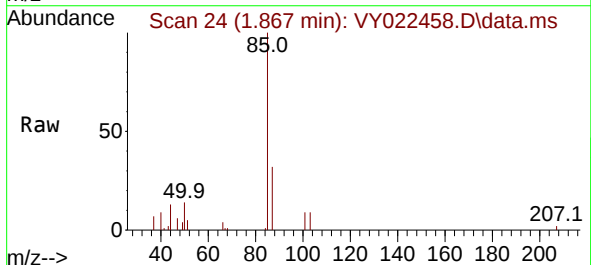
Manual Integrations
APPROVED

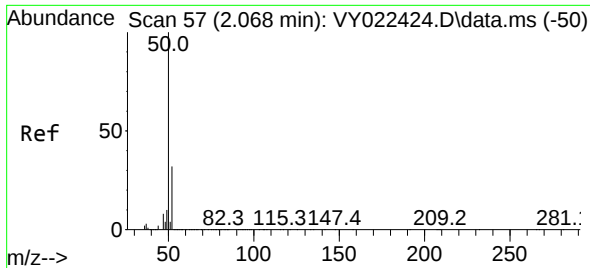
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#2
Dichlorodifluoromethane
Concen: 4.451 ug/l
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

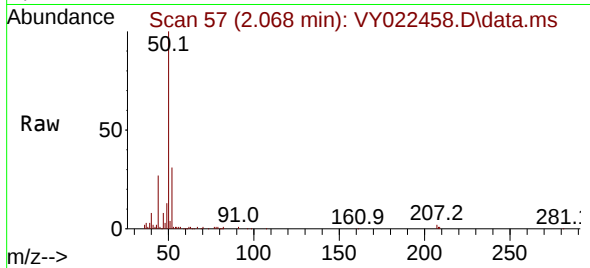
Tgt Ion: 85 Resp: 8578
Ion Ratio Lower Upper
85 100
87 32.2 16.4 49.2





#3
Chloromethane
Concen: 5.574 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

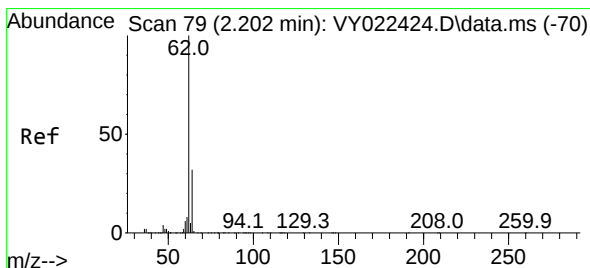
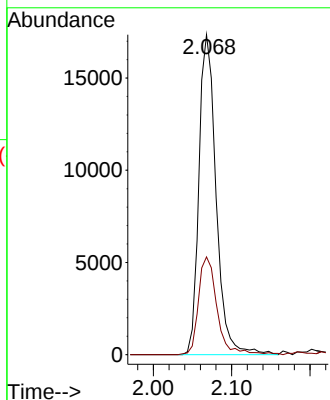
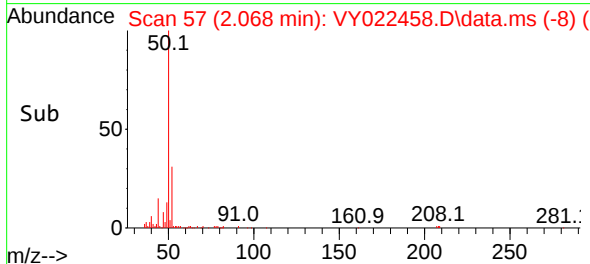
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025



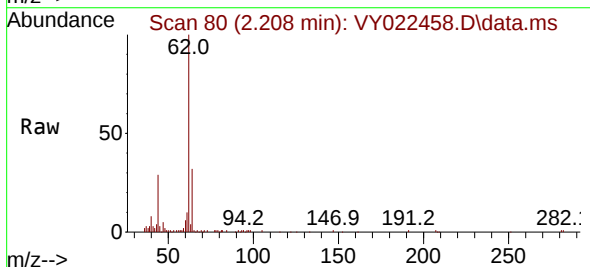
Tgt Ion: 50 Resp: 26424
Ion Ratio Lower Upper
50 100
52 30.6 25.5 38.3

Manual Integrations
APPROVED

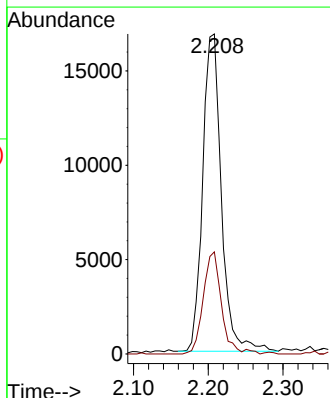
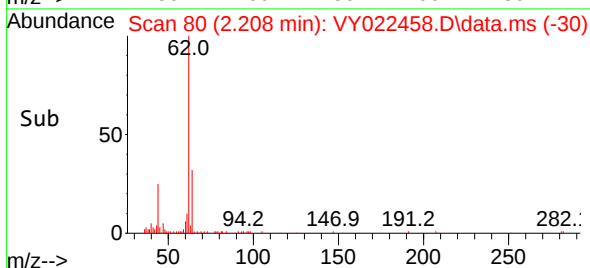
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

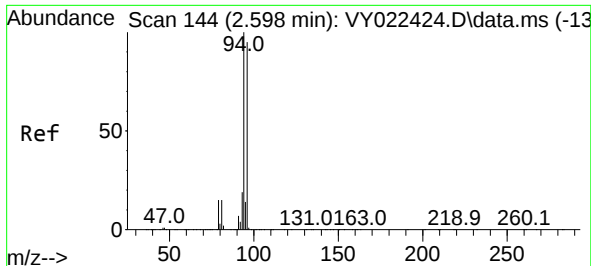


#4
Vinyl Chloride
Concen: 5.072 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38



Tgt Ion: 62 Resp: 29205
Ion Ratio Lower Upper
62 100
64 32.2 26.0 39.0





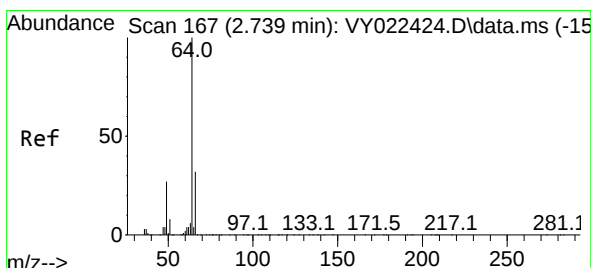
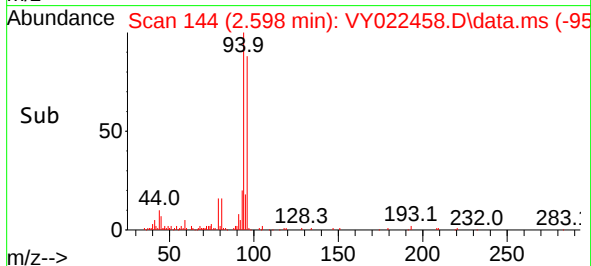
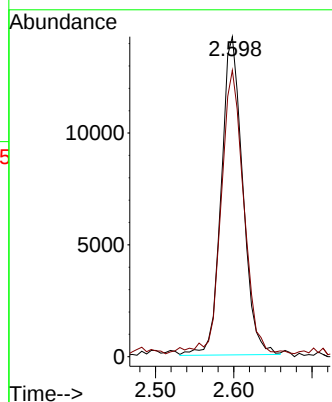
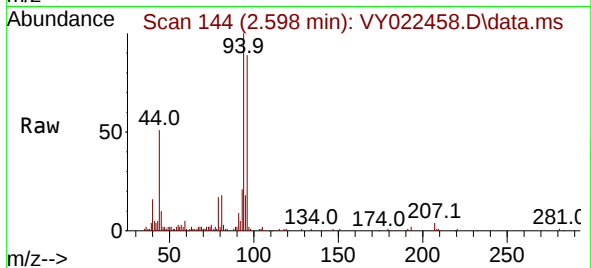
#5
Bromomethane
Concen: 5.197 ug/l
RT: 2.598 min Scan# 144
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

Tgt Ion: 94 Resp: 27194
Ion Ratio Lower Upper
94 100
96 88.3 76.0 114.0

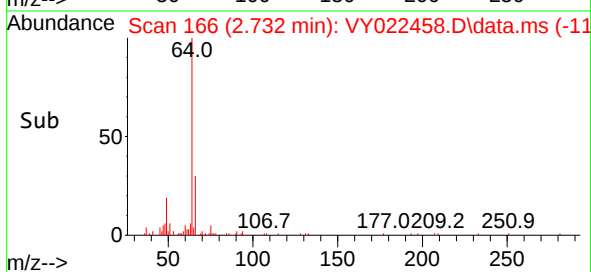
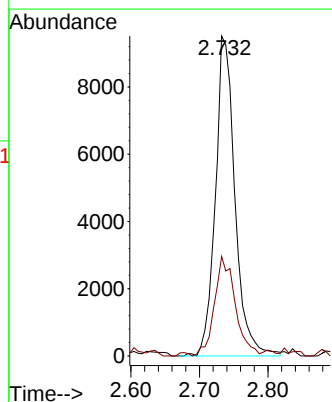
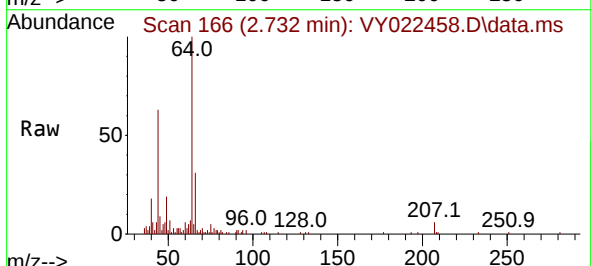
Manual Integrations
APPROVED

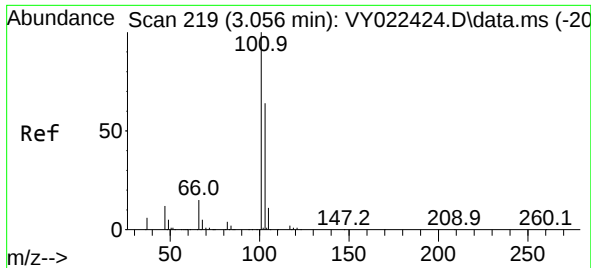
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#6
Chloroethane
Concen: 5.009 ug/l
RT: 2.732 min Scan# 166
Delta R.T. -0.006 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

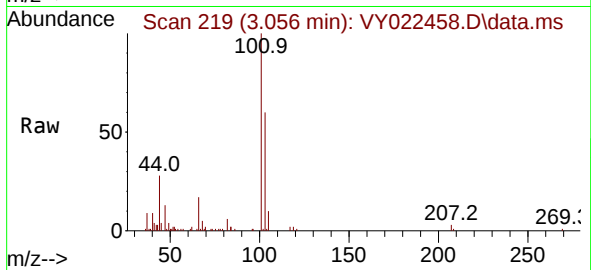
Tgt Ion: 64 Resp: 18850
Ion Ratio Lower Upper
64 100
66 30.3 25.9 38.9





#7
 Trichlorofluoromethane
 Concen: 4.850 ug/l
 RT: 3.056 min Scan# 219
 Delta R.T. 0.000 min
 Lab File: VY022458.D
 Acq: 29 May 2025 11:38

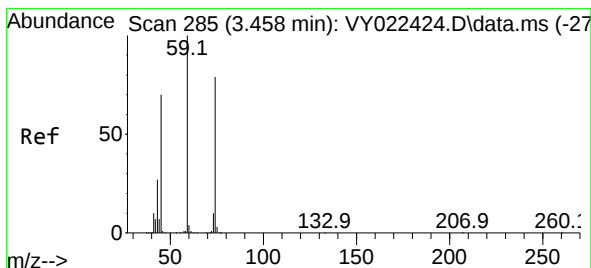
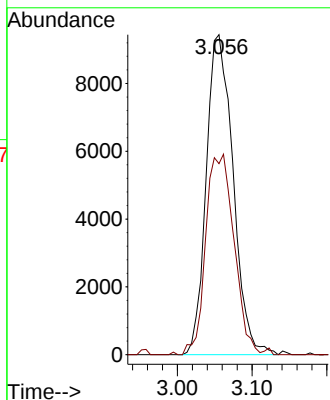
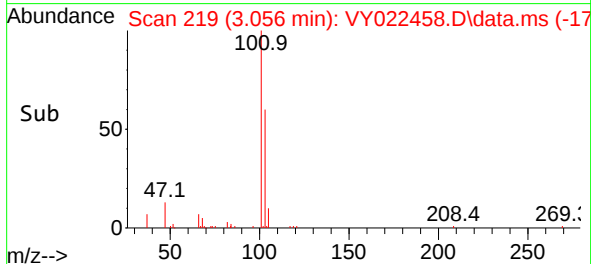
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2025



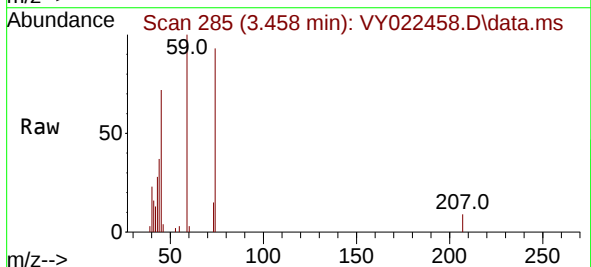
Tgt Ion:101 Resp: 2356
 Ion Ratio Lower Upper
 101 100
 103 59.7 50.9 76.3

Manual Integrations
 APPROVED

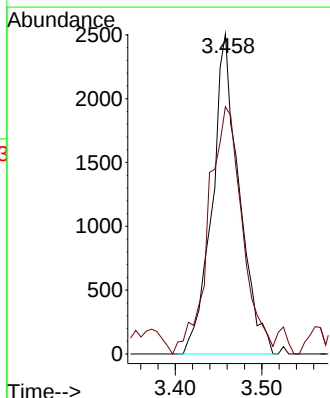
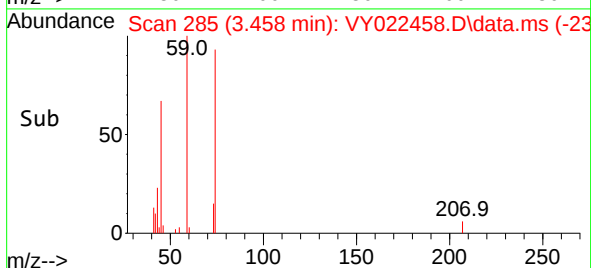
Reviewed By :Mahesh Dadoda 05/30/2025
 Supervised By :Semsettin Yesilyurt 05/30/2025

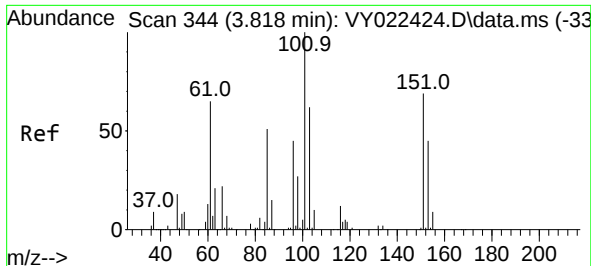


#8
 Diethyl Ether
 Concen: 4.838 ug/l
 RT: 3.458 min Scan# 285
 Delta R.T. 0.000 min
 Lab File: VY022458.D
 Acq: 29 May 2025 11:38



Tgt Ion: 74 Resp: 5420
 Ion Ratio Lower Upper
 74 100
 45 96.9 44.9 134.5





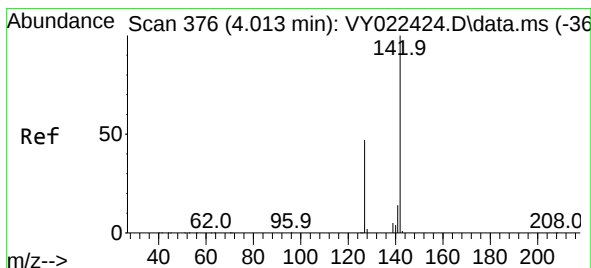
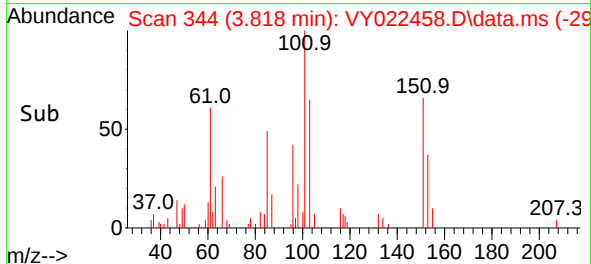
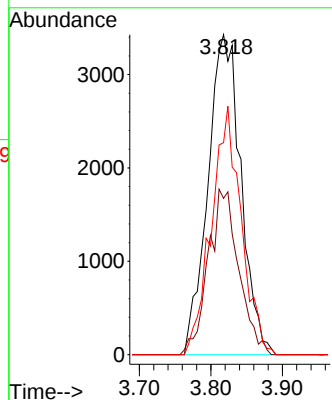
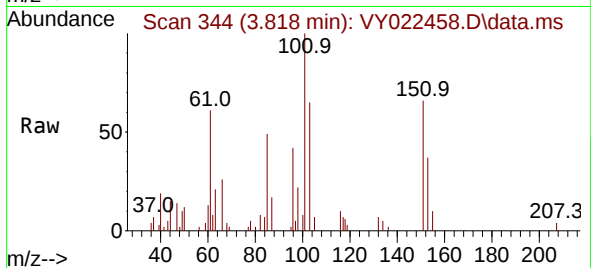
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.164 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

Tgt Ion:101 Resp: 1100
Ion Ratio Lower Upper
101 100
85 47.8 39.2 58.8
151 69.9 58.8 88.2

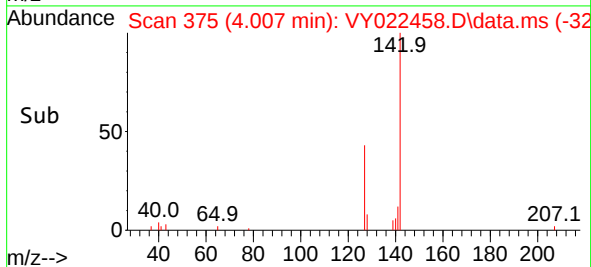
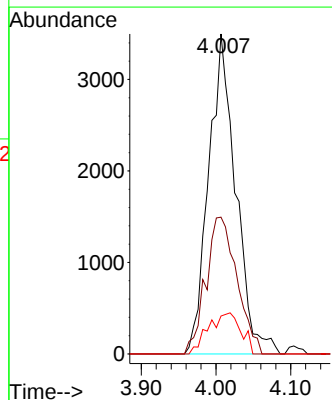
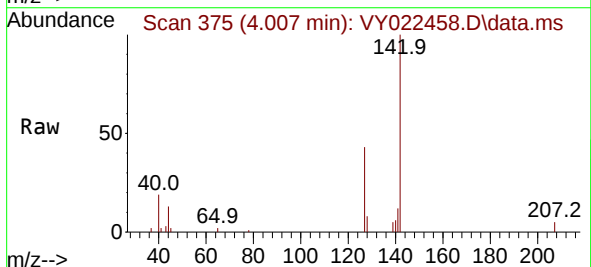
Manual Integrations
APPROVED

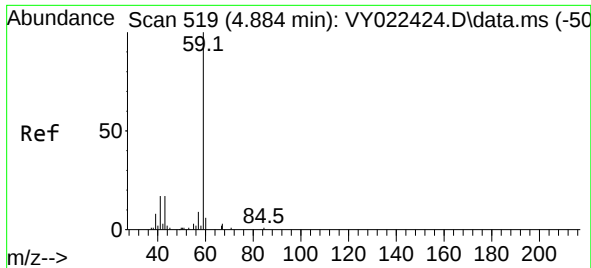
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#10
Methyl Iodide
Concen: 3.668 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.006 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

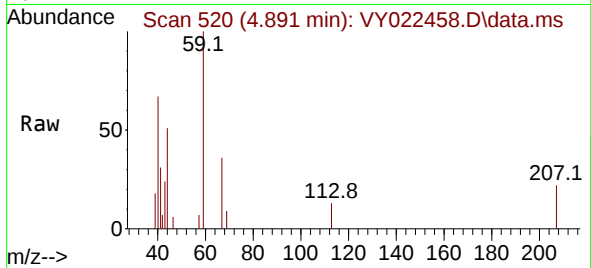
Tgt Ion:142 Resp: 8822
Ion Ratio Lower Upper
142 100
127 48.9 36.2 54.4
141 15.4 11.6 17.4





#11
Tert butyl alcohol
Concen: 23.705 ug/l m
RT: 4.891 min Scan# 519
Delta R.T. 0.006 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

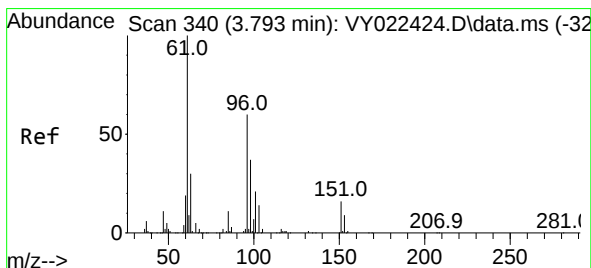
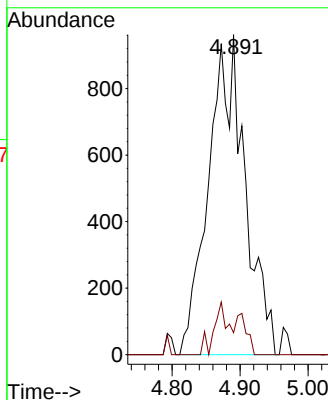
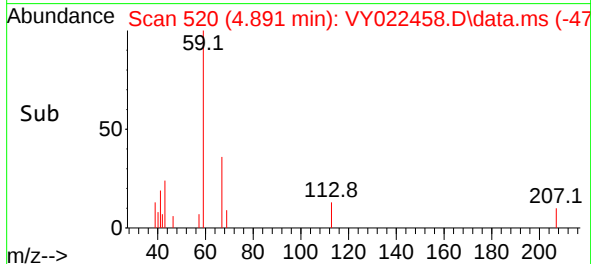
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025



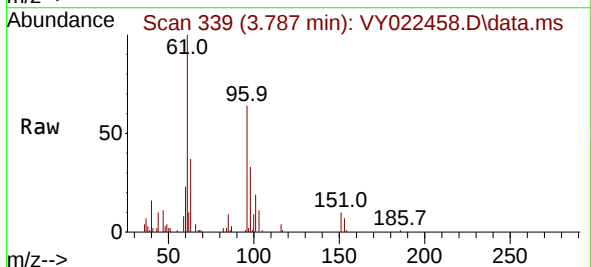
Tgt Ion: 59 Resp: 355
Ion Ratio Lower Upper
59 100
57 6.6 9.1 13.7

Manual Integrations
APPROVED

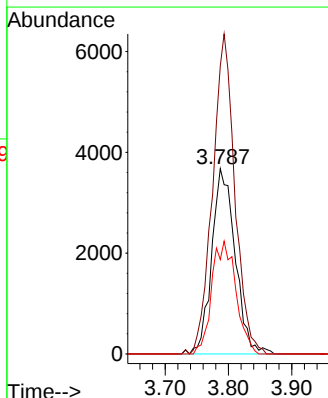
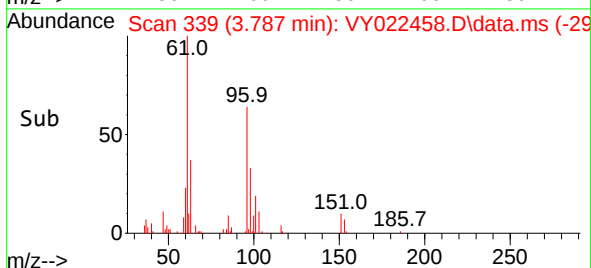
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

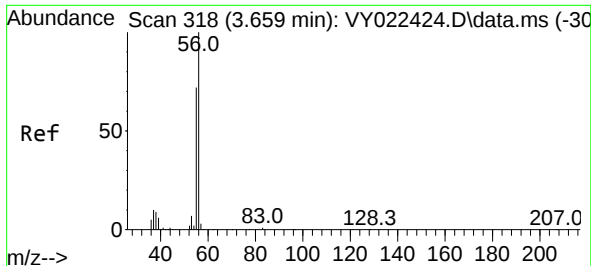


#12
1,1-Dichloroethene
Concen: 4.469 ug/l
RT: 3.787 min Scan# 339
Delta R.T. -0.006 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38



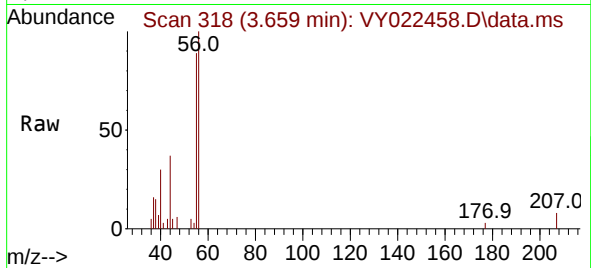
Tgt Ion: 96 Resp: 9458
Ion Ratio Lower Upper
96 100
61 155.4 134.1 201.1
98 50.9 50.2 75.2





#13
Acrolein
Concen: 20.761 ug/l
RT: 3.659 min Scan# 318
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

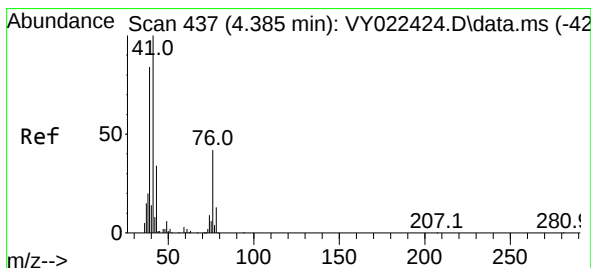
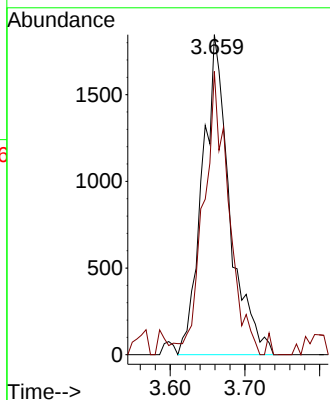
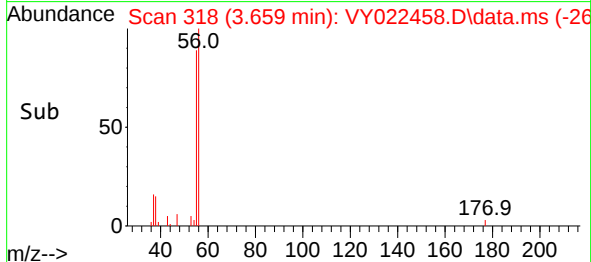
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025



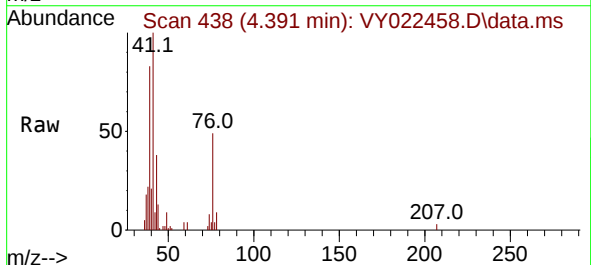
Tgt Ion: 56 Resp: 466
Ion Ratio Lower Upper
56 100
55 80.9 56.5 84.7

Manual Integrations
APPROVED

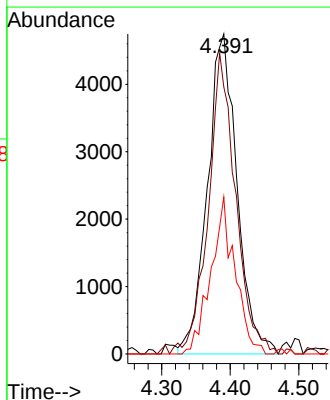
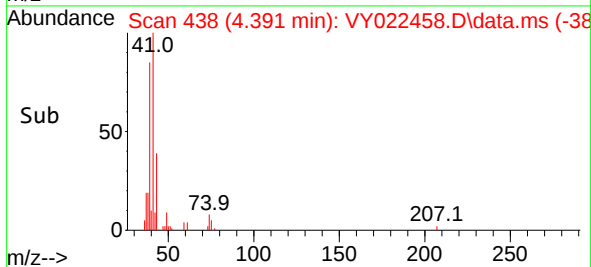
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

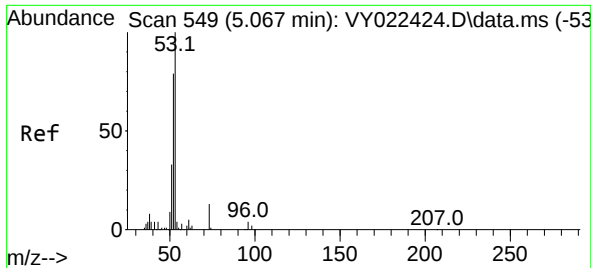


#14
Allyl chloride
Concen: 4.476 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38



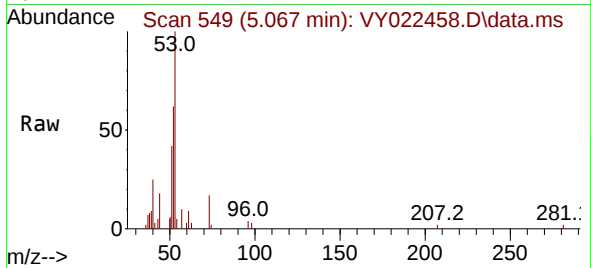
Tgt Ion: 41 Resp: 14248
Ion Ratio Lower Upper
41 100
39 86.8 66.6 100.0
76 40.3 33.7 50.5





#15
Acrylonitrile
Concen: 22.490 ug/l
RT: 5.067 min Scan# 549
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

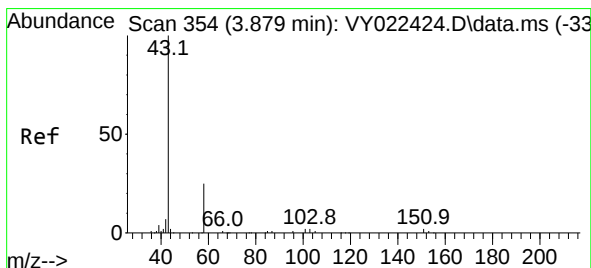
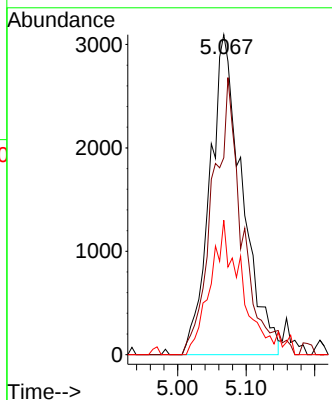
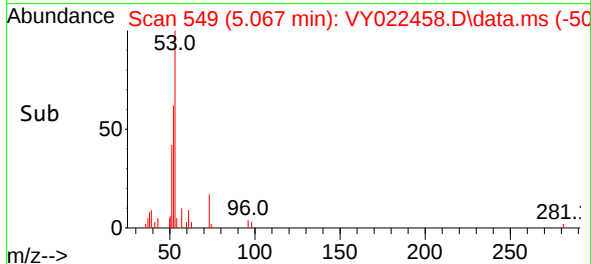
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2025



Tgt Ion: 53 Resp: 10150
Ion Ratio Lower Upper
53 100
52 79.7 65.1 97.7
51 40.2 30.0 45.0

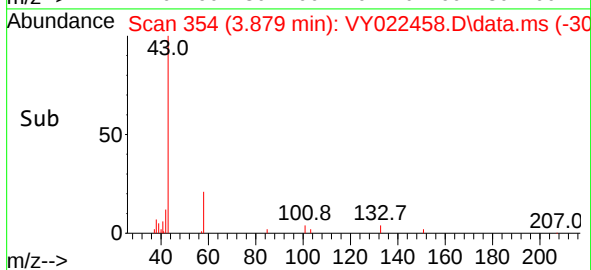
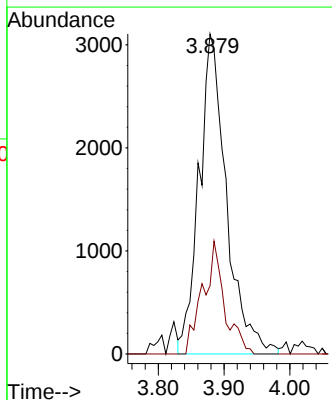
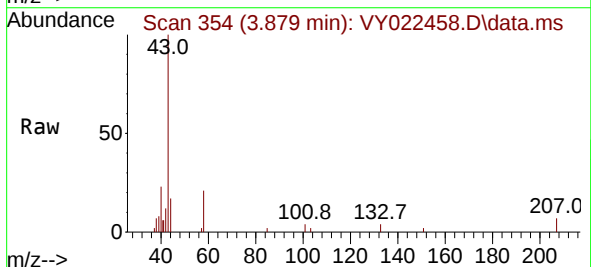
Manual Integrations
APPROVED

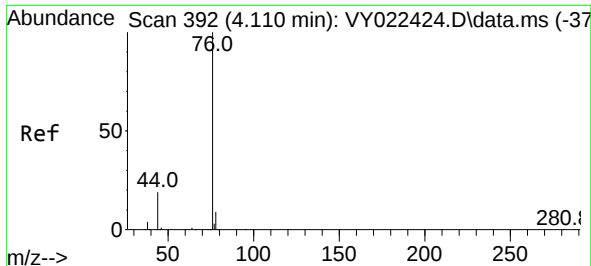
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#16
Acetone
Concen: 25.629 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

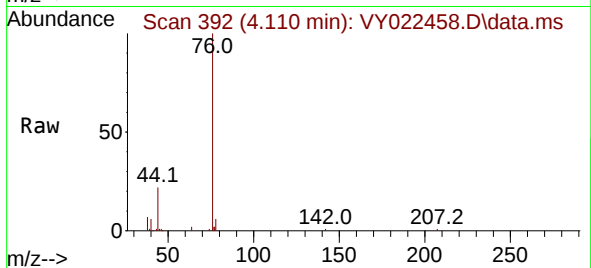
Tgt Ion: 43 Resp: 8960
Ion Ratio Lower Upper
43 100
58 21.6 20.6 30.8





#17
Carbon Disulfide
Concen: 4.508 ug/l
RT: 4.110 min Scan# 392
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

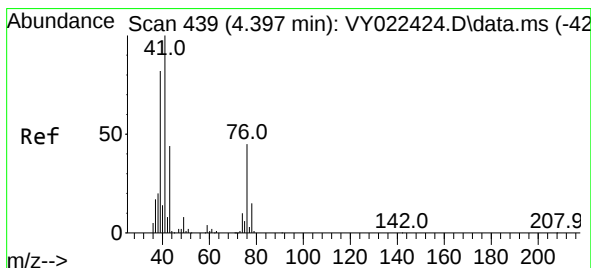
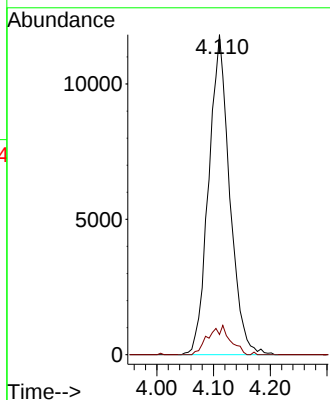
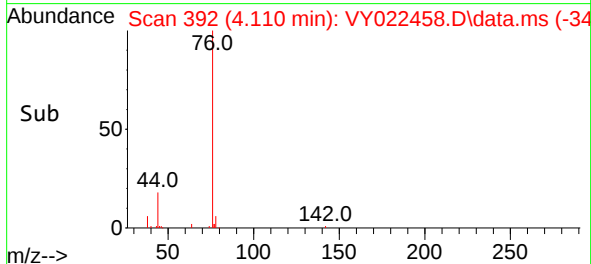
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025



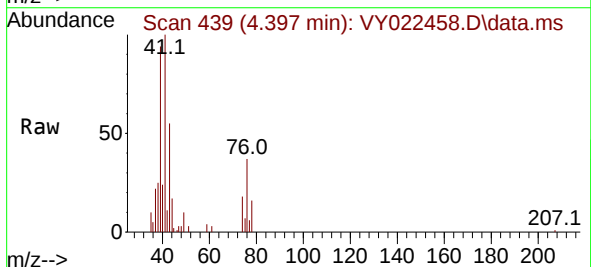
Tgt Ion: 76 Resp: 30440
Ion Ratio Lower Upper
76 100
78 6.3 7.2 10.8

Manual Integrations
APPROVED

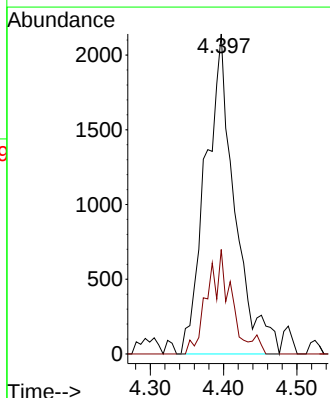
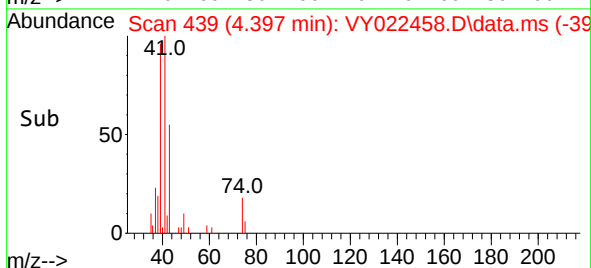
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

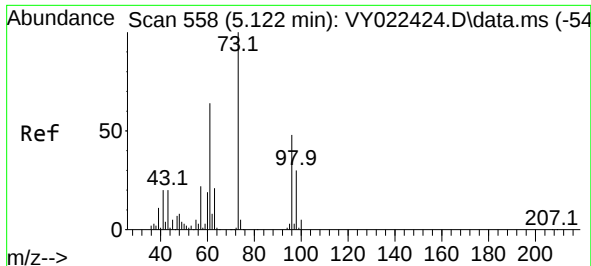


#18
Methyl Acetate
Concen: 4.509 ug/l m
RT: 4.397 min Scan# 439
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38



Tgt Ion: 43 Resp: 5905
Ion Ratio Lower Upper
43 100
74 12.2 21.2 31.8





#19

Methyl tert-butyl Ether

Concen: 4.490 ug/l

RT: 5.128 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion: 73 Resp: 25220

Ion Ratio Lower Upper

73 100

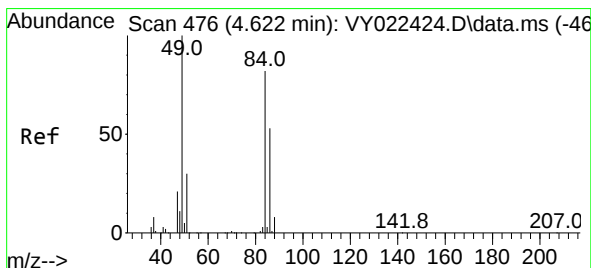
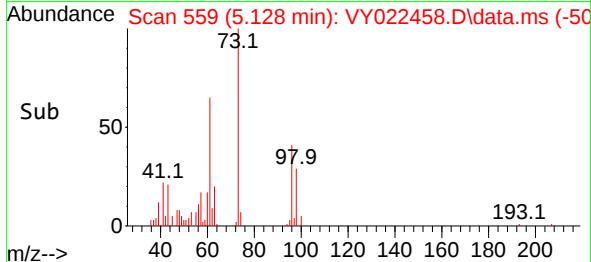
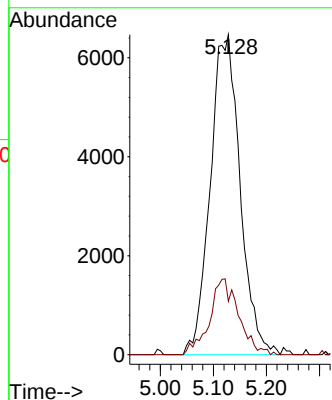
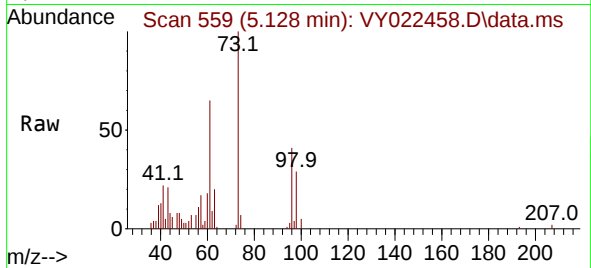
57 16.7 17.7 26.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025

Supervised By :Semsettin Yesilyurt 05/30/2025



#20

Methylene Chloride

Concen: 5.409 ug/l

RT: 4.622 min Scan# 476

Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Tgt Ion: 84 Resp: 13353

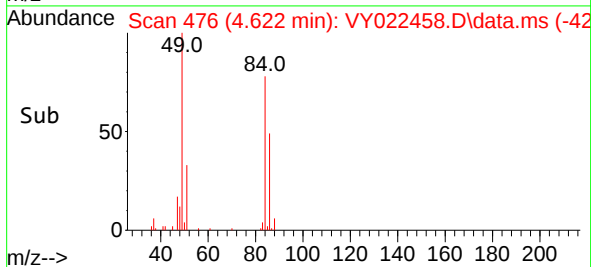
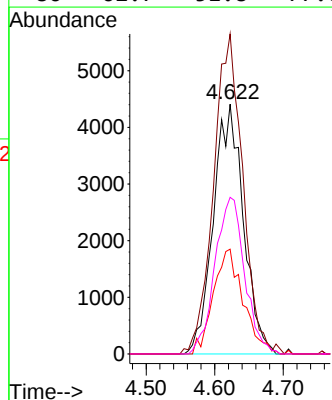
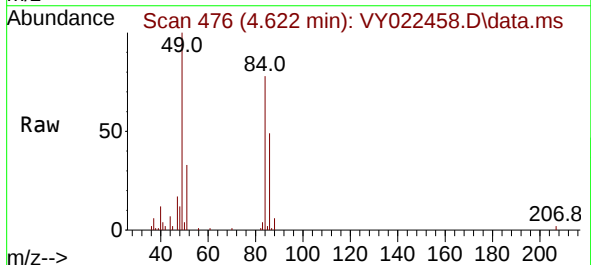
Ion Ratio Lower Upper

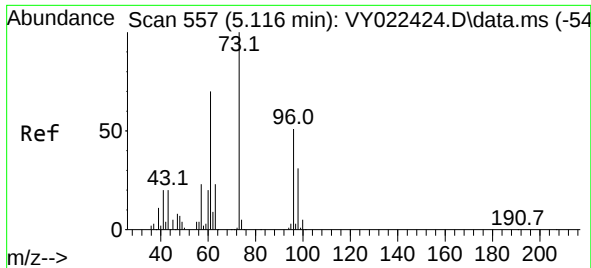
84 100

49 128.2 97.8 146.8

51 42.0 29.5 44.3

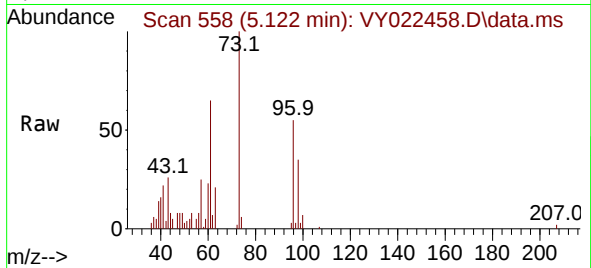
86 62.7 51.8 77.6





#21
trans-1,2-Dichloroethene
Concen: 4.627 ug/l
RT: 5.122 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

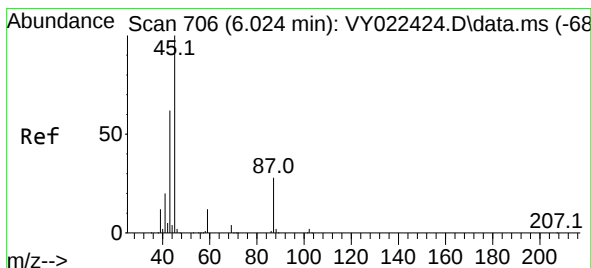
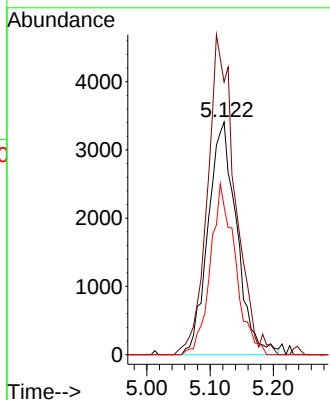
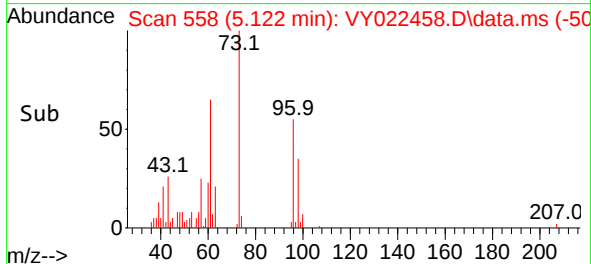
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025



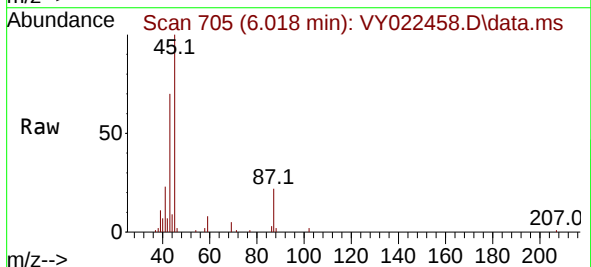
Tgt Ion: 96 Resp: 10690
Ion Ratio Lower Upper
96 100
61 117.3 110.4 165.6
98 63.7 48.6 73.0

Manual Integrations
APPROVED

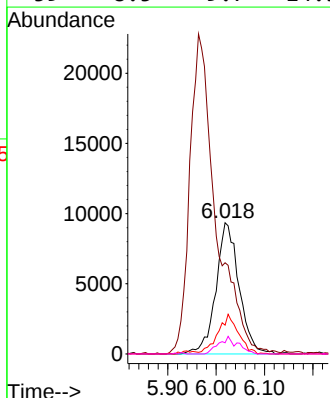
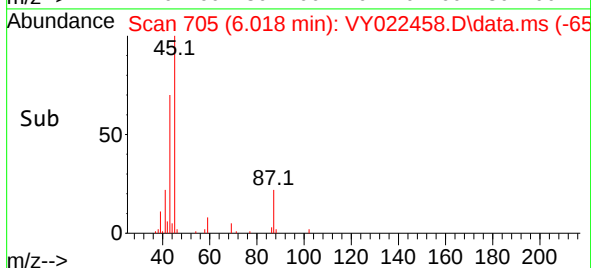
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

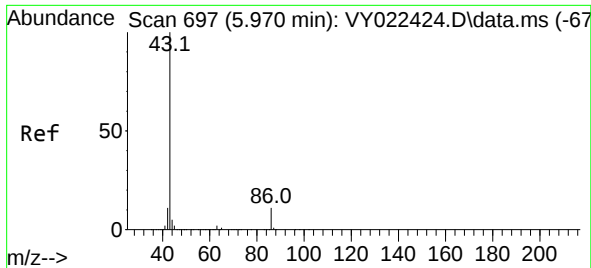


#22
Diisopropyl ether
Concen: 4.413 ug/l
RT: 6.018 min Scan# 705
Delta R.T. -0.006 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38



Tgt Ion: 45 Resp: 31008
Ion Ratio Lower Upper
45 100
43 68.2 49.8 74.8
87 22.0 23.0 34.6#
59 8.5 9.7 14.5#





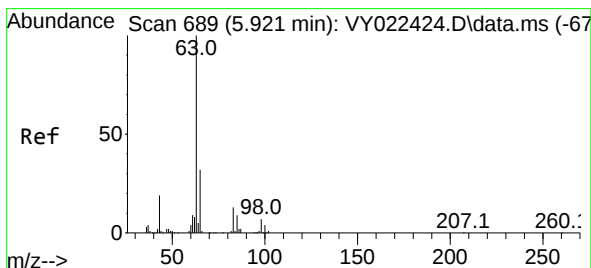
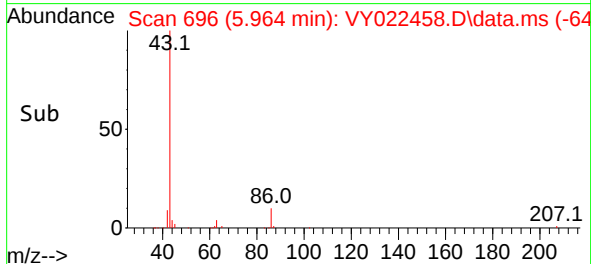
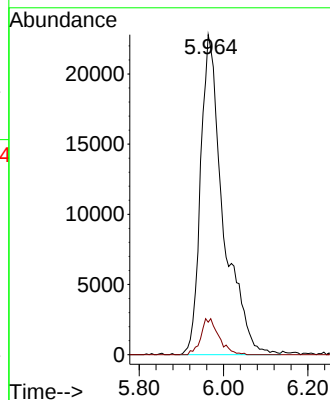
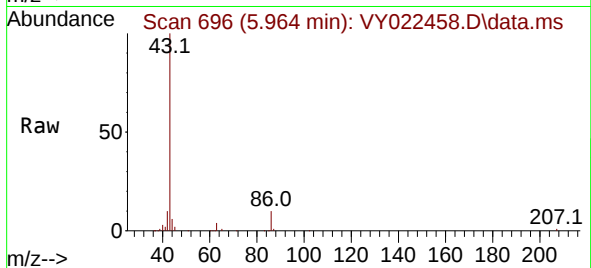
#23
 Vinyl Acetate
 Concen: 21.179 ug/l
 RT: 5.964 min Scan# 697
 Delta R.T. -0.006 min
 Lab File: VY022458.D
 Acq: 29 May 2025 11:38

Instrument : MSVOA_Y
 ClientSampleId : MDL-SOIL-03-QT2-2025

Tgt Ion: 43 Resp: 8544
 Ion Ratio Lower Upper
 43 100
 86 10.2 8.8 13.2

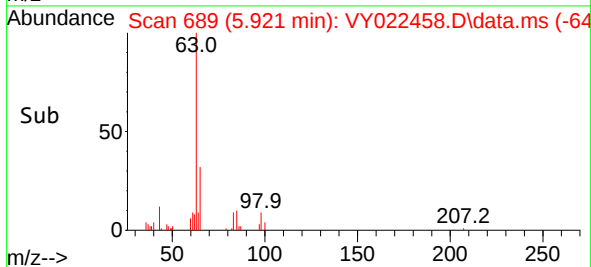
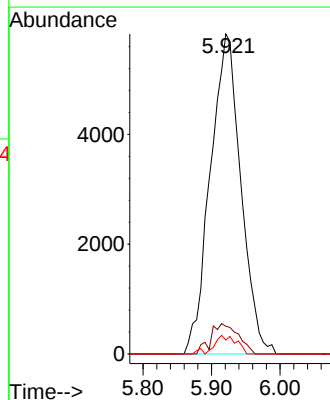
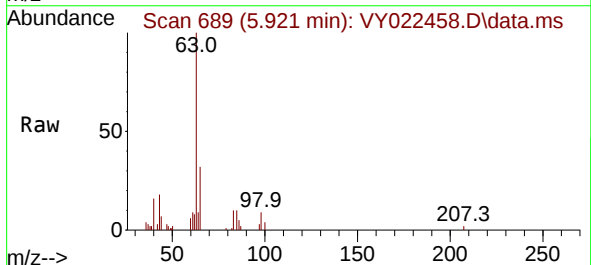
Manual Integrations
 APPROVED

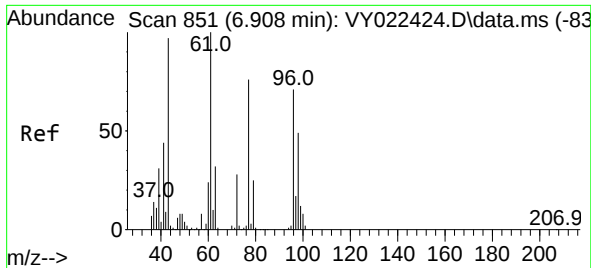
Reviewed By :Mahesh Dadoda 05/30/2025
 Supervised By :Semsettin Yesilyurt 05/30/2025



#24
 1,1-Dichloroethane
 Concen: 4.350 ug/l
 RT: 5.921 min Scan# 689
 Delta R.T. 0.000 min
 Lab File: VY022458.D
 Acq: 29 May 2025 11:38

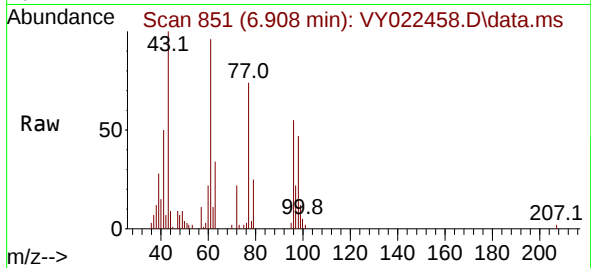
Tgt Ion: 63 Resp: 18061
 Ion Ratio Lower Upper
 63 100
 98 8.6 3.5 10.5
 100 4.3 2.1 6.5





#25
2-Butanone
Concen: 21.759 ug/l
RT: 6.908 min Scan# 851
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

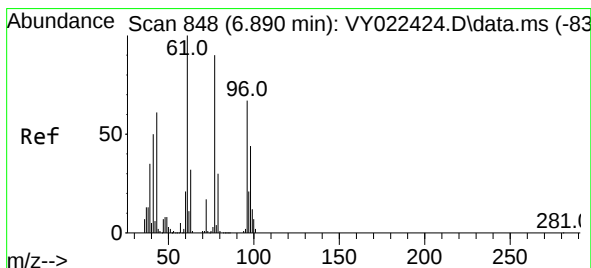
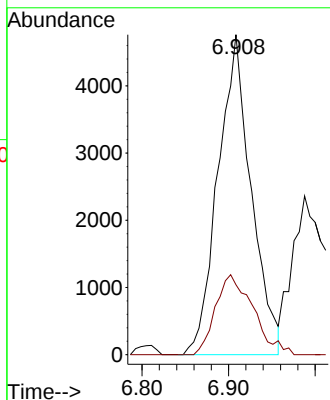
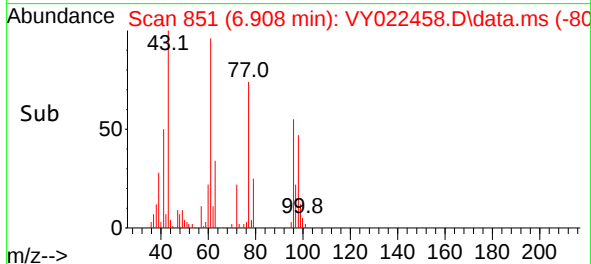
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025



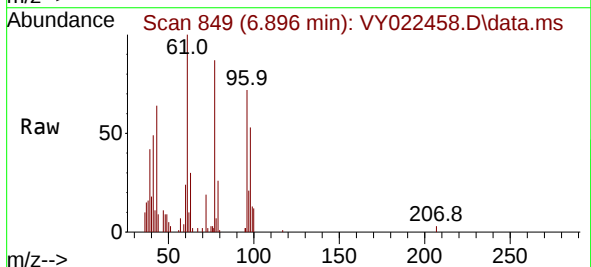
Tgt Ion: 43 Resp: 12669
Ion Ratio Lower Upper
43 100
72 21.9 22.8 34.2

Manual Integrations
APPROVED

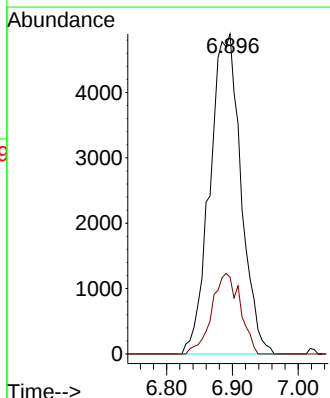
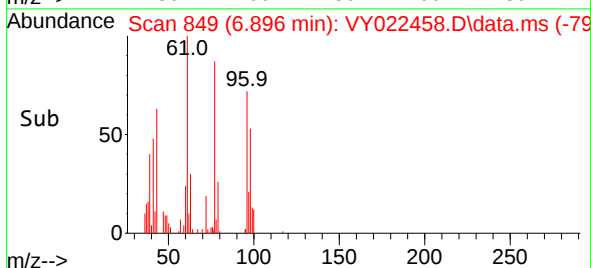
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

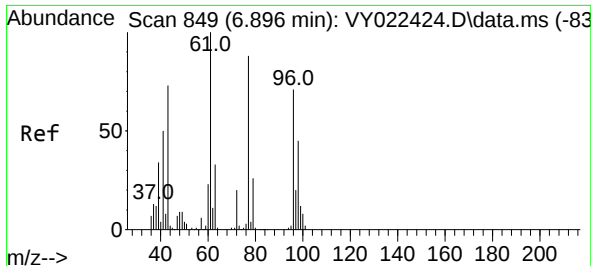


#26
2,2-Dichloropropane
Concen: 4.275 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38



Tgt Ion: 77 Resp: 16071
Ion Ratio Lower Upper
77 100
97 23.1 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 4.576 ug/l

RT: 6.902 min Scan# 849

Delta R.T. 0.006 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

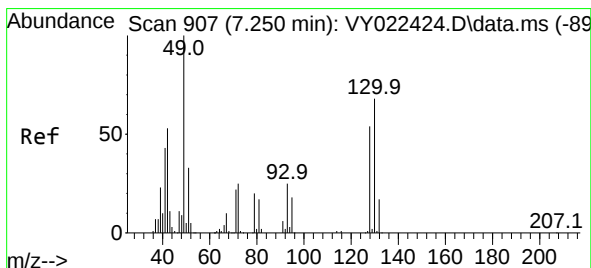
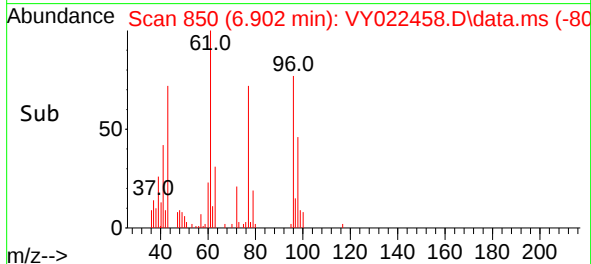
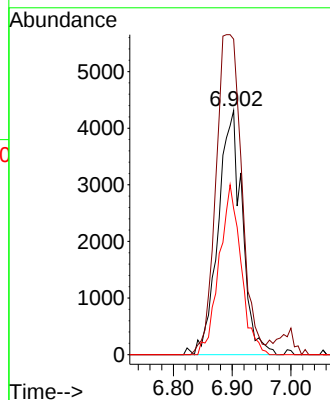
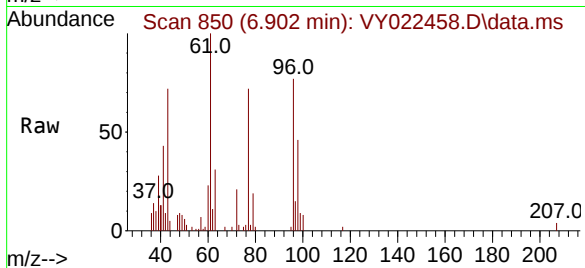
MDL-SOIL-03-QT2-2025

Tgt Ion: 96	Resp: 12239
Ion Ratio	Lower Upper
96 100	
61 140.8	0.0 292.0
98 63.2	0.0 131.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#28

Bromochloromethane

Concen: 4.567 ug/l

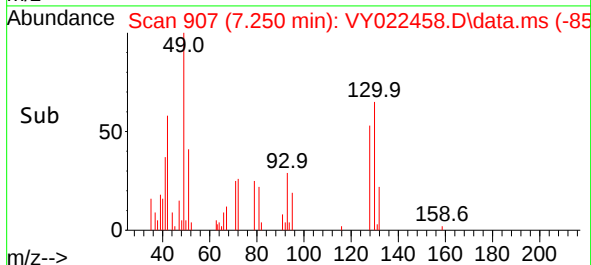
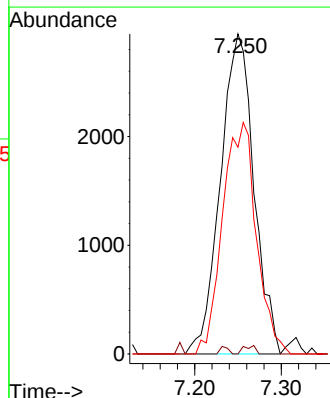
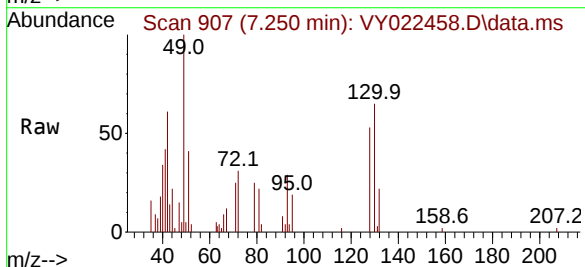
RT: 7.250 min Scan# 907

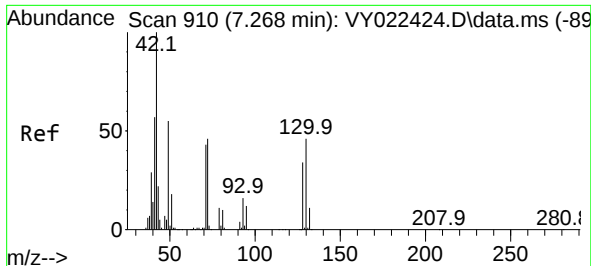
Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Tgt Ion: 49	Resp: 7917
Ion Ratio	Lower Upper
49 100	
129 0.9	0.0 4.0
130 72.7	56.9 85.3





#29

Tetrahydrofuran

Concen: 22.721 ug/l

RT: 7.262 min Scan# 909

Delta R.T. -0.006 min

Lab File: VY022458.D

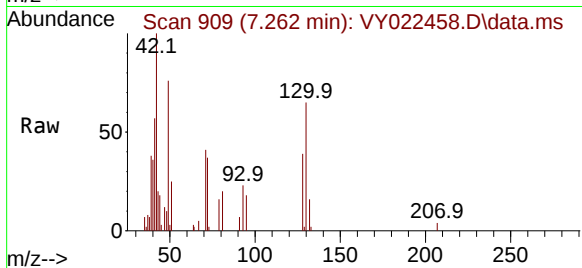
Acq: 29 May 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

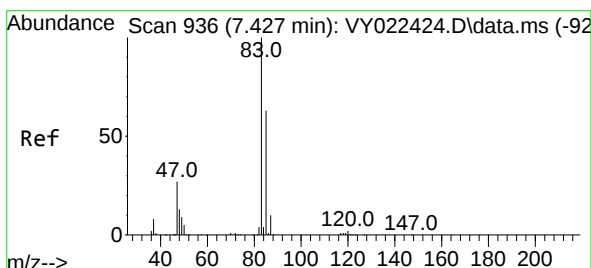
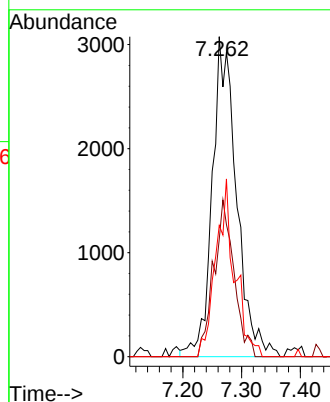
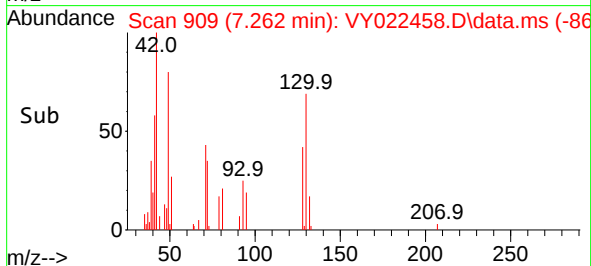


Tgt Ion:	42	Resp:	882
Ion Ratio	Lower	Upper	
42	100		
72	40.9	37.7	56.5
71	43.2	34.7	52.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#30

Chloroform

Concen: 4.553 ug/l

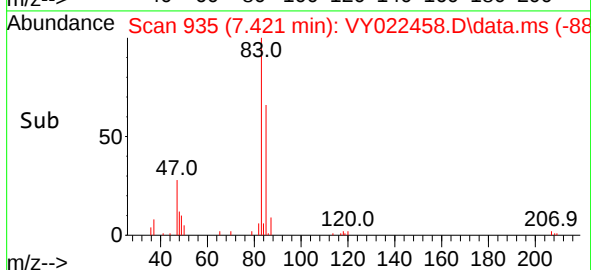
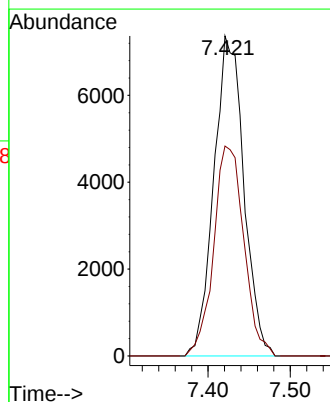
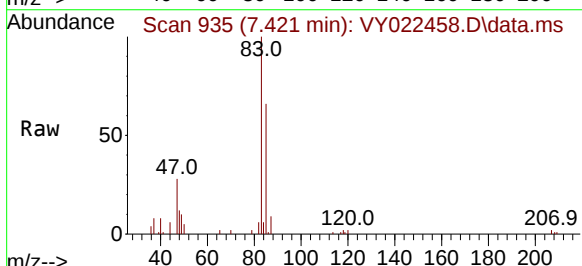
RT: 7.421 min Scan# 935

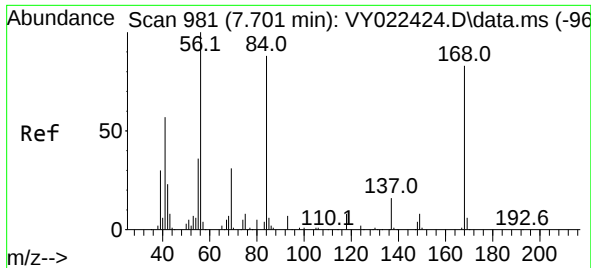
Delta R.T. -0.006 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

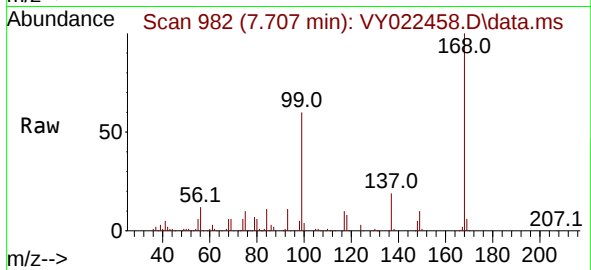
Tgt Ion:	83	Resp:	18625
Ion Ratio	Lower	Upper	
83	100		
85	65.6	50.1	75.1





#31
Cyclohexane
Concen: 5.801 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

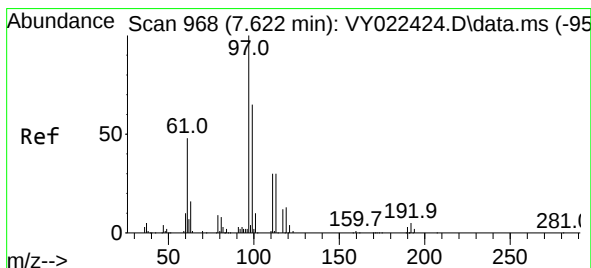
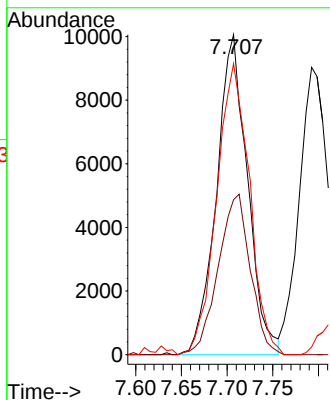
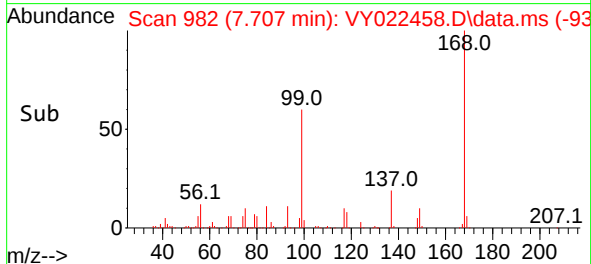
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion: 56 Resp: 2374
Ion Ratio Lower Upper
56 100
69 48.5 24.6 36.8
84 90.9 70.4 105.6

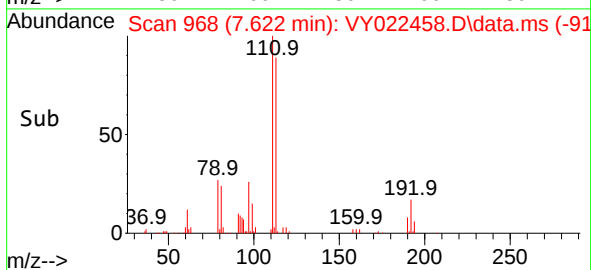
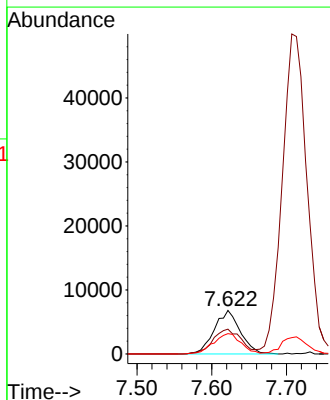
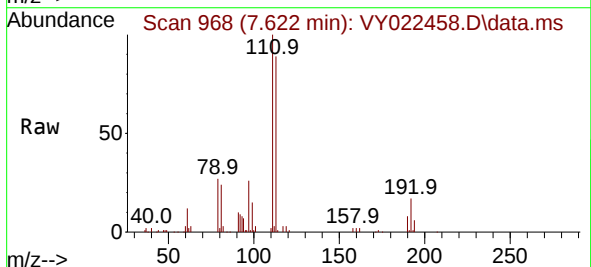
Manual Integrations
APPROVED

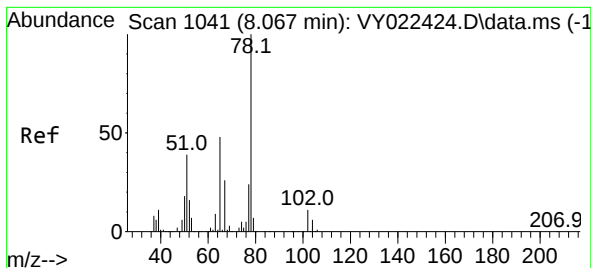
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#32
1,1,1-Trichloroethane
Concen: 4.424 ug/l
RT: 7.622 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

Tgt Ion: 97 Resp: 16426
Ion Ratio Lower Upper
97 100
99 61.8 51.3 76.9
61 49.4 37.3 55.9





#33

1,2-Dichloroethane-d4

Concen: 53.224 ug/l

RT: 8.067 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion: 65 Resp: 113238

Ion Ratio Lower Upper

65 100

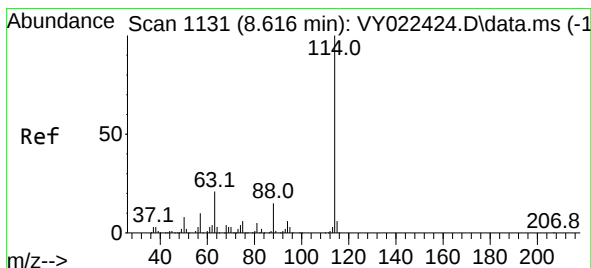
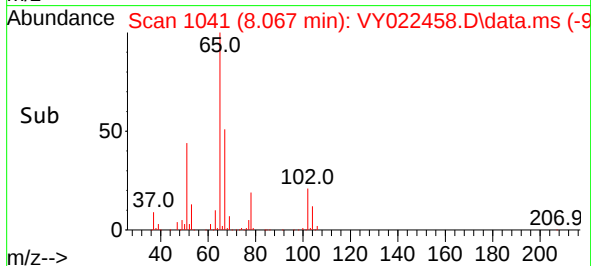
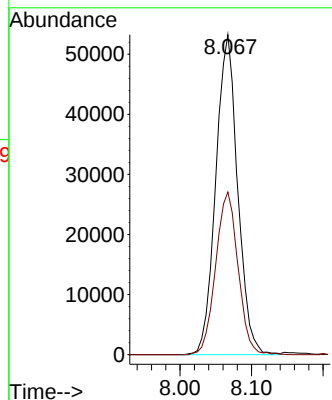
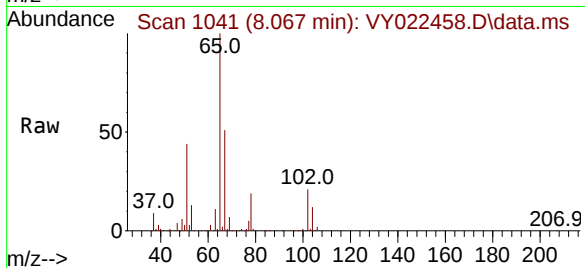
67 51.9 0.0 104.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025

Supervised By :Semsettin Yesilyurt 05/30/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

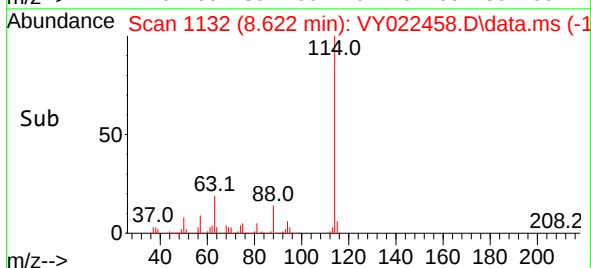
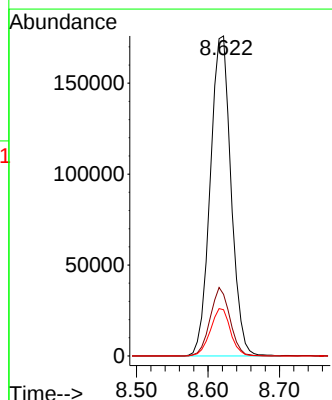
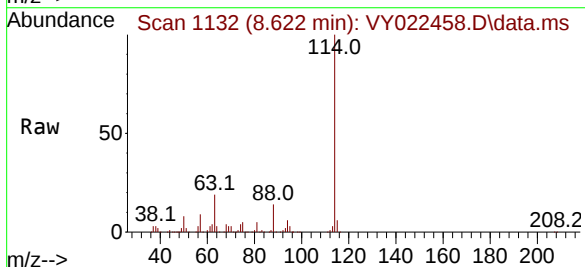
Tgt Ion:114 Resp: 354437

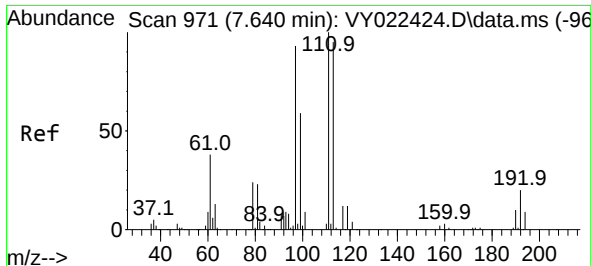
Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.6

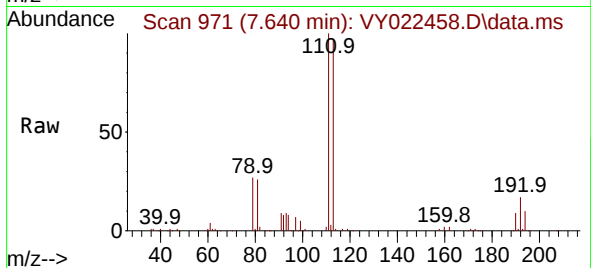
88 14.5 0.0 29.4





#35
Dibromofluoromethane
Concen: 49.570 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

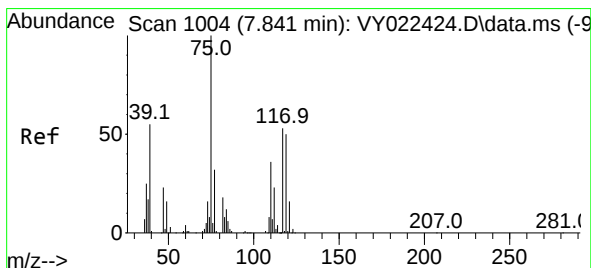
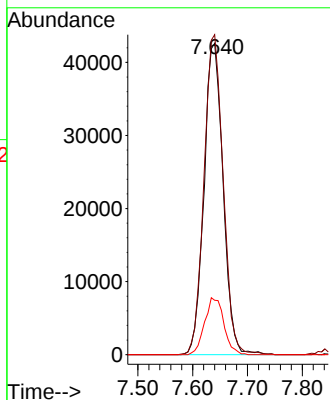
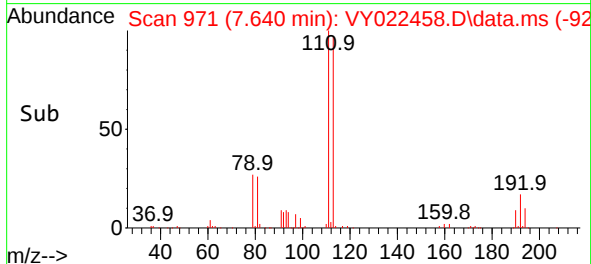
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025



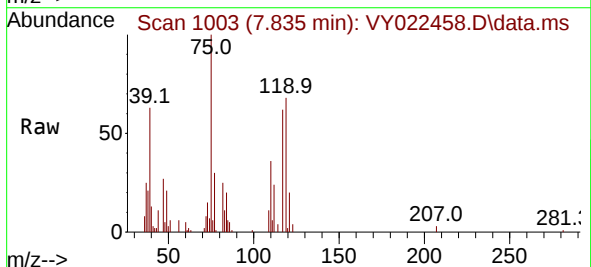
Tgt Ion: 113 Resp: 102892
Ion Ratio Lower Upper
113 100
111 103.4 82.4 123.6
192 18.4 15.2 22.8

Manual Integrations
APPROVED

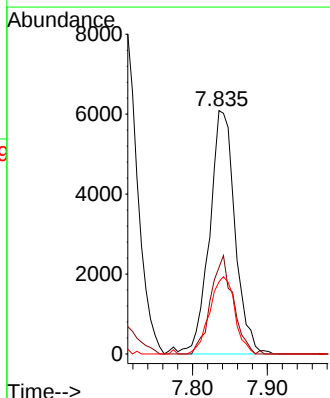
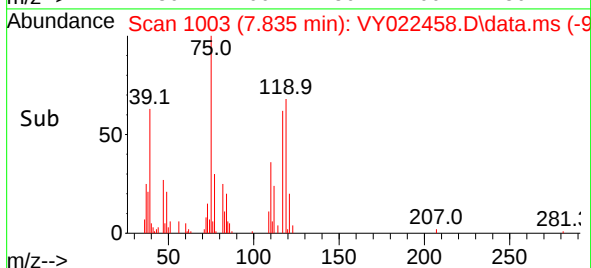
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

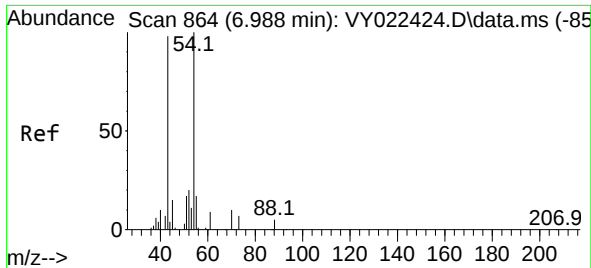


#36
1,1-Dichloropropene
Concen: 4.365 ug/l
RT: 7.835 min Scan# 1003
Delta R.T. -0.006 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38



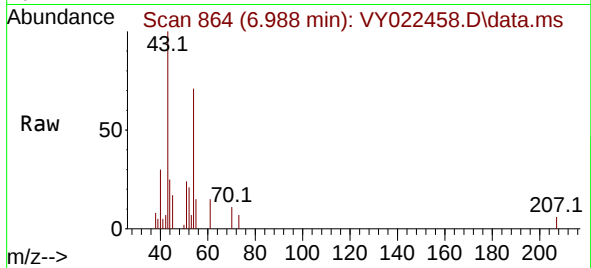
Tgt Ion: 75 Resp: 14377
Ion Ratio Lower Upper
75 100
110 35.8 17.1 51.2
77 31.3 25.1 37.7





#37
Ethyl Acetate
Concen: 4.824 ug/l
RT: 6.988 min Scan# 80
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

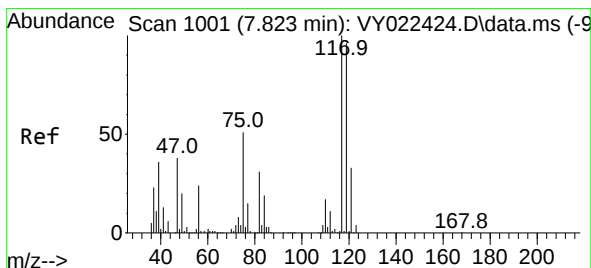
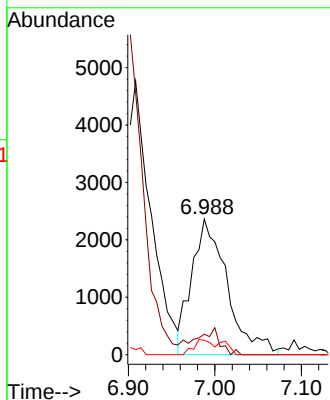
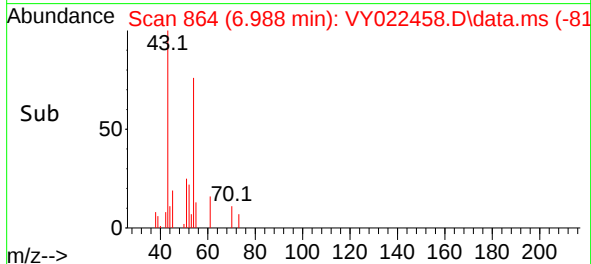
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion: 43 Resp: 6752
Ion Ratio Lower Upper
43 100
61 13.8 11.7 17.5
70 5.8 7.8 11.6

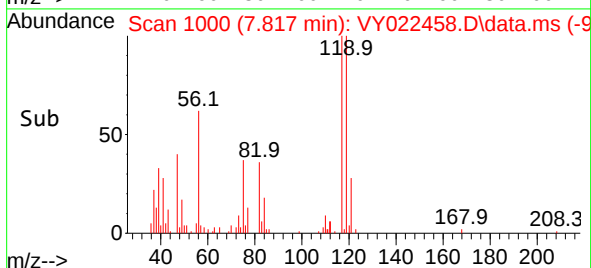
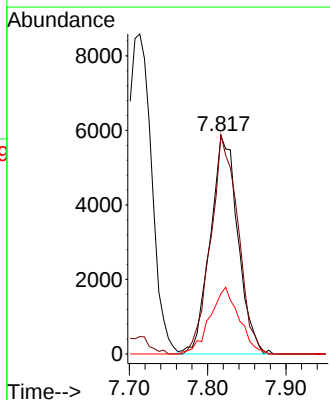
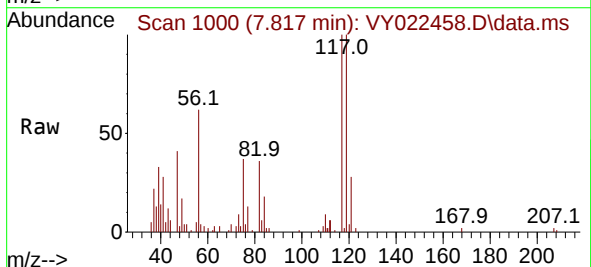
Manual Integrations
APPROVED

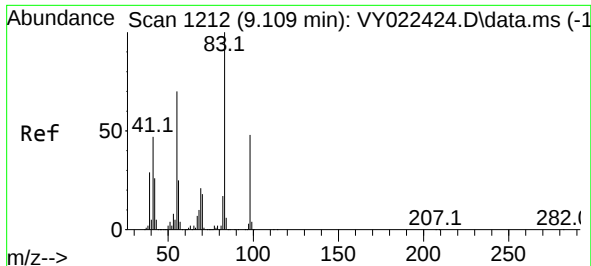
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#38
Carbon Tetrachloride
Concen: 4.181 ug/l
RT: 7.817 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

Tgt Ion:117 Resp: 14347
Ion Ratio Lower Upper
117 100
119 100.4 76.3 114.5
121 27.7 26.1 39.1





#39

Methylcyclohexane

Concen: 4.754 ug/l

RT: 9.109 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

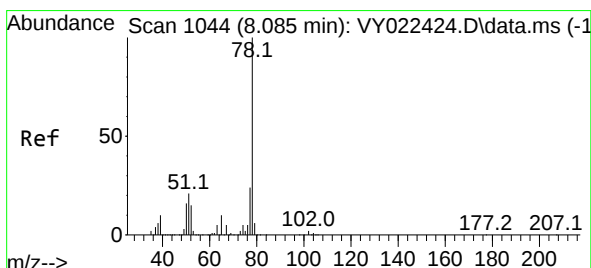
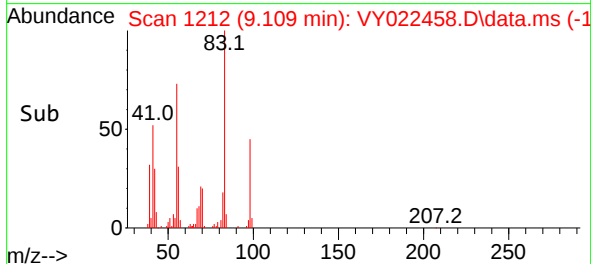
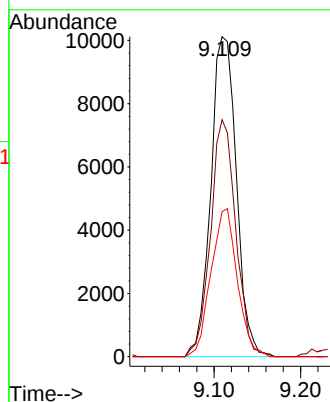
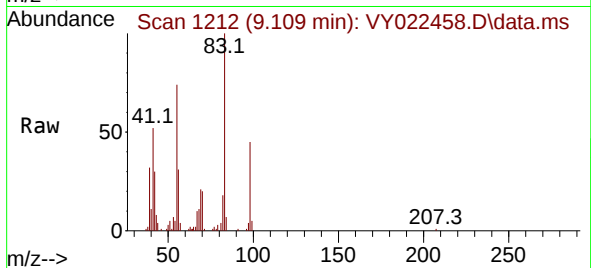
MDL-SOIL-03-QT2-2025

Tgt Ion: 83	Resp: 2081
Ion Ratio	Lower Upper
83 100	
55 74.1	56.2 84.2
98 45.4	38.4 57.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#40

Benzene

Concen: 4.428 ug/l

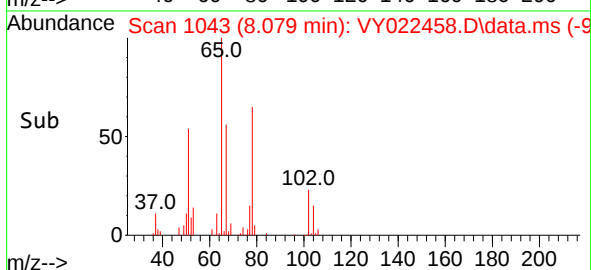
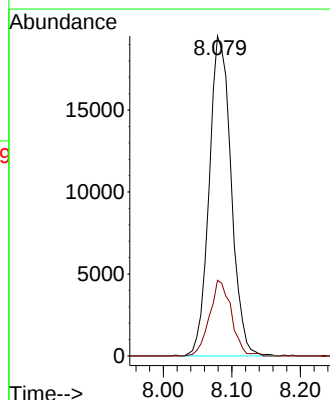
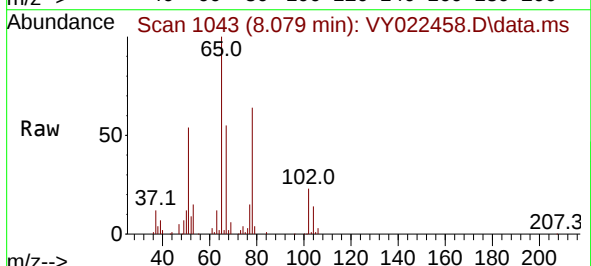
RT: 8.079 min Scan# 1043

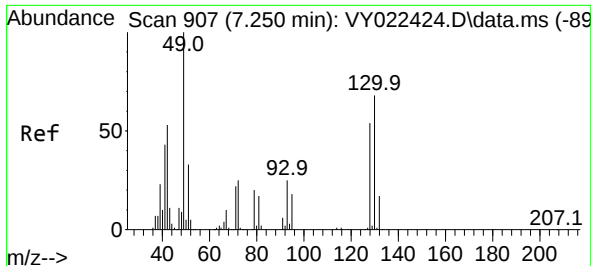
Delta R.T. -0.006 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

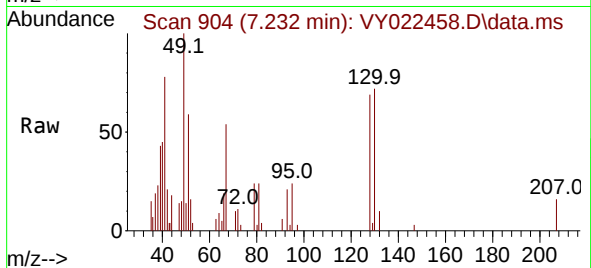
Tgt Ion: 78	Resp: 43399
Ion Ratio	Lower Upper
78 100	
77 23.7	19.4 29.2





#41
Methacrylonitrile
Concen: 4.646 ug/l m
RT: 7.232 min Scan# 907
Delta R.T. -0.018 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

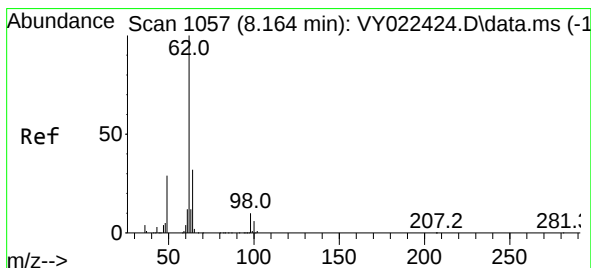
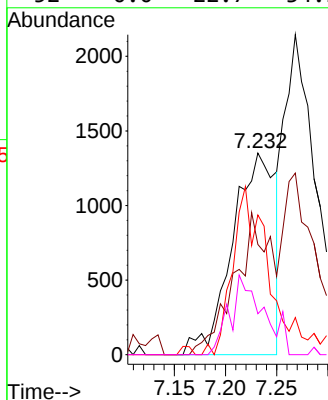
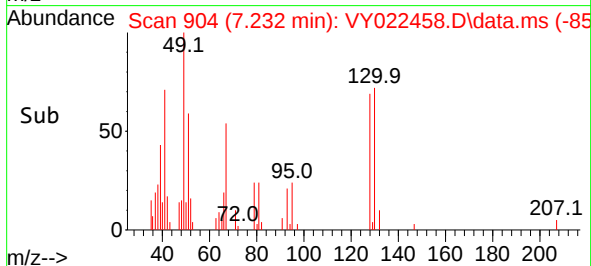
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion: 41 Resp: 394
Ion Ratio Lower Upper
41 100
39 68.6 40.4 60.6
67 0.0 53.0 79.4
52 0.0 22.7 34.1#

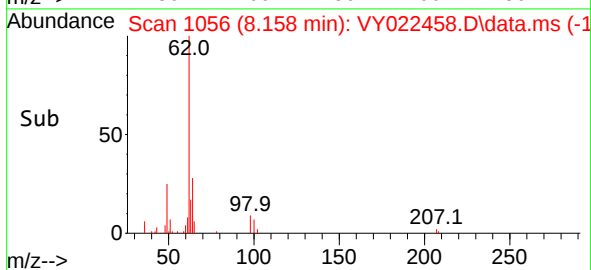
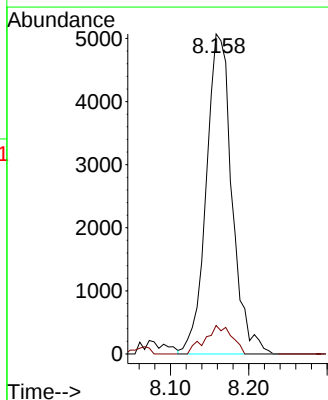
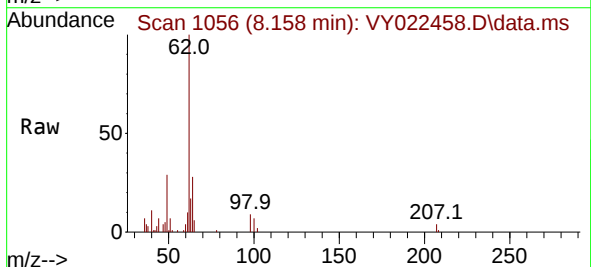
Manual Integrations
APPROVED

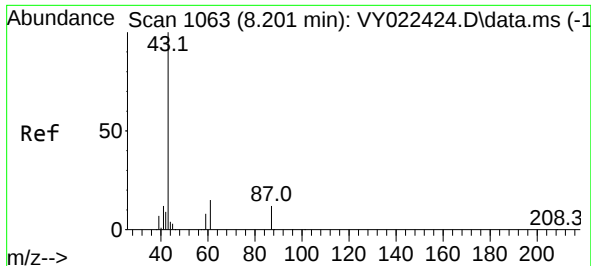
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#42
1,2-Dichloroethane
Concen: 4.466 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

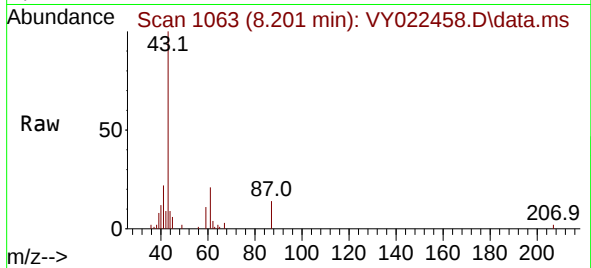
Tgt Ion: 62 Resp: 11561
Ion Ratio Lower Upper
62 100
98 9.3 0.0 18.4





#43
Isopropyl Acetate
Concen: 4.233 ug/l
RT: 8.201 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

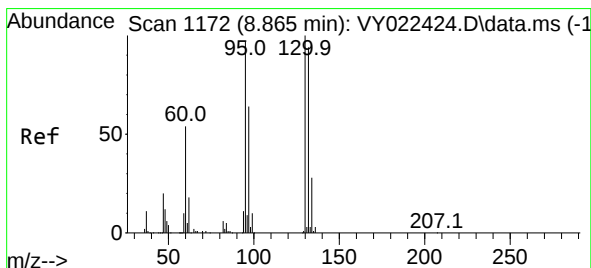
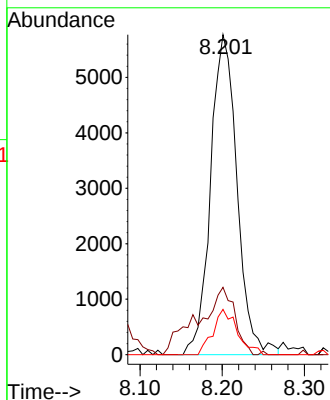
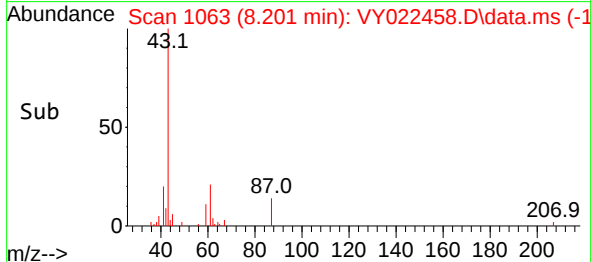
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2025



Tgt Ion: 43 Resp: 1294
Ion Ratio Lower Upper
43 100
61 16.5 15.4 23.0
87 13.0 10.6 15.8

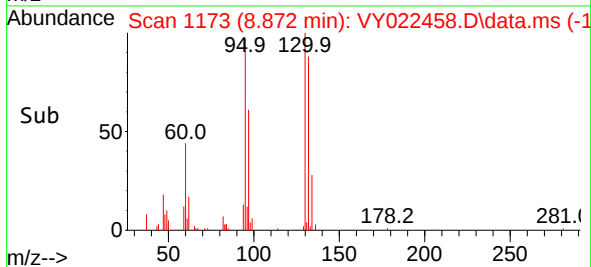
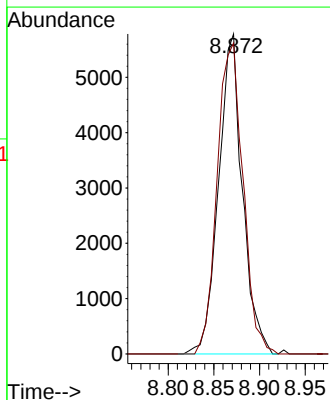
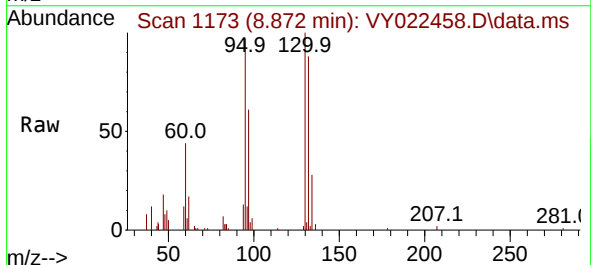
Manual Integrations
APPROVED

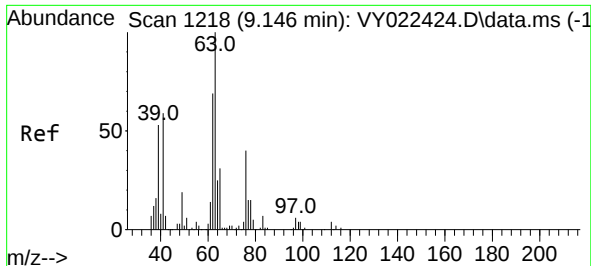
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#44
Trichloroethene
Concen: 4.332 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.006 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

Tgt Ion:130 Resp: 10496
Ion Ratio Lower Upper
130 100
95 97.1 0.0 194.8





#45

1,2-Dichloropropane

Concen: 4.330 ug/l

RT: 9.140 min Scan# 1218

Delta R.T. -0.006 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion: 63 Resp: 997

Ion Ratio Lower Upper

63 100

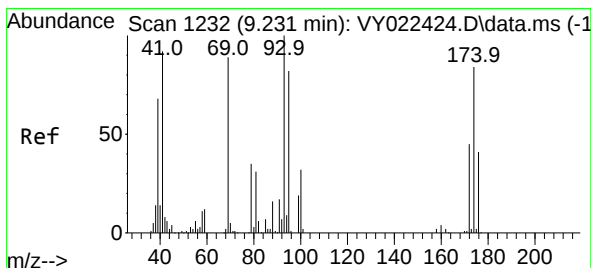
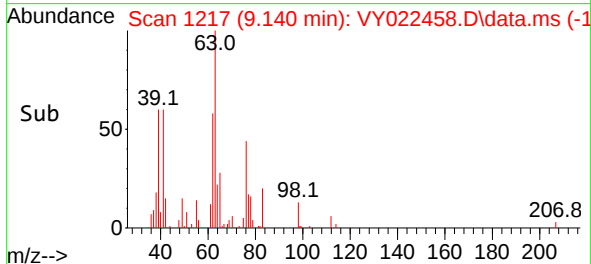
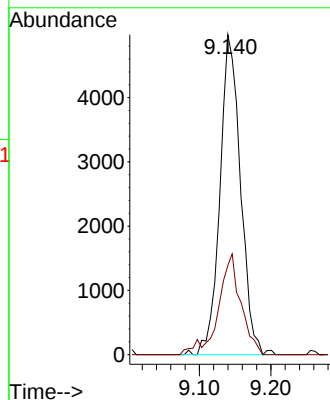
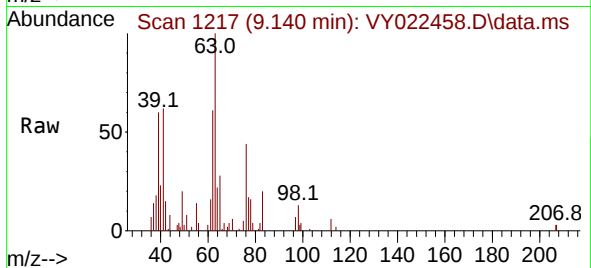
65 27.9 25.1 37.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025

Supervised By :Semsettin Yesilyurt 05/30/2025



#46

Dibromomethane

Concen: 4.179 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

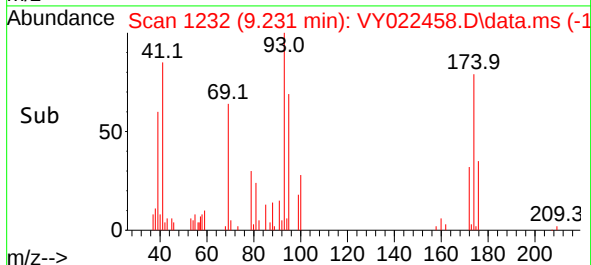
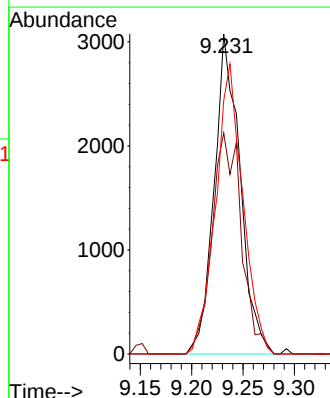
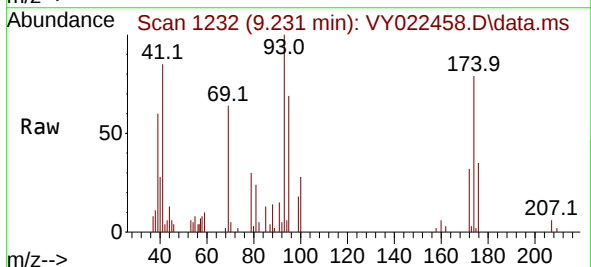
Tgt Ion: 93 Resp: 5376

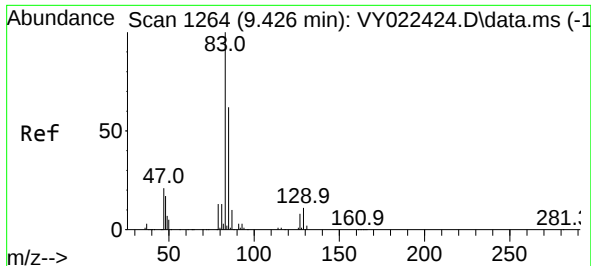
Ion Ratio Lower Upper

93 100

95 78.3 66.2 99.2

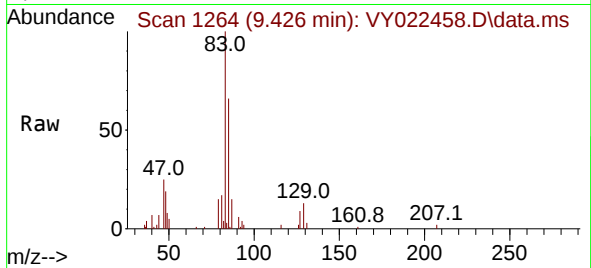
174 95.9 71.1 106.7





#47
Bromodichloromethane
Concen: 4.181 ug/l
RT: 9.426 min Scan# 1264
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

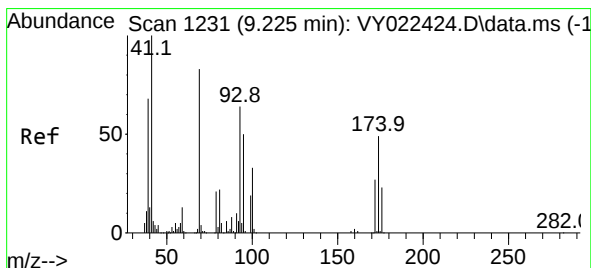
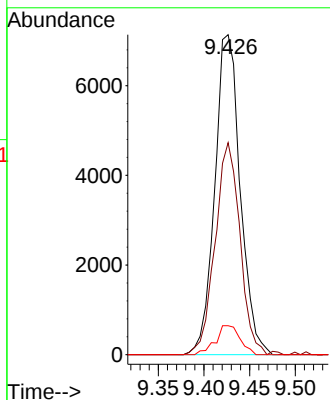
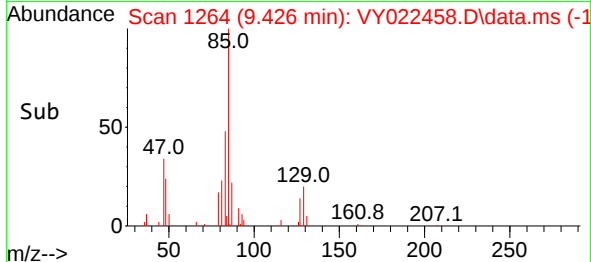
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion: 83 Resp: 1383
Ion Ratio Lower Upper
83 100
85 66.3 49.8 74.6
127 9.1 6.6 9.8

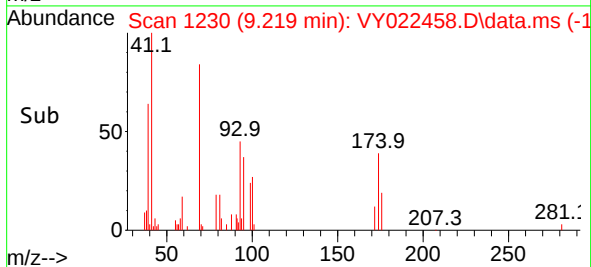
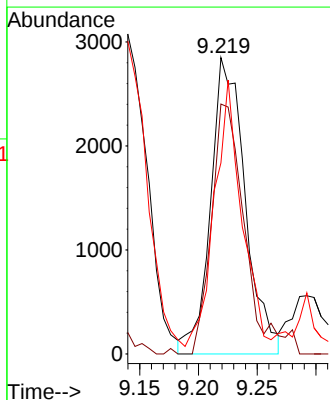
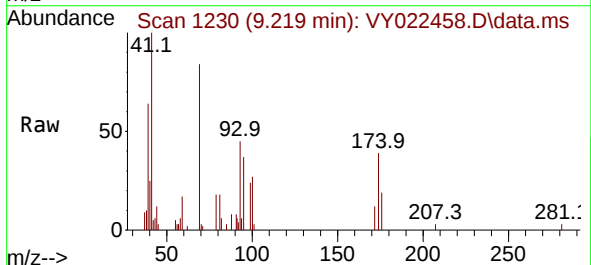
Manual Integrations
APPROVED

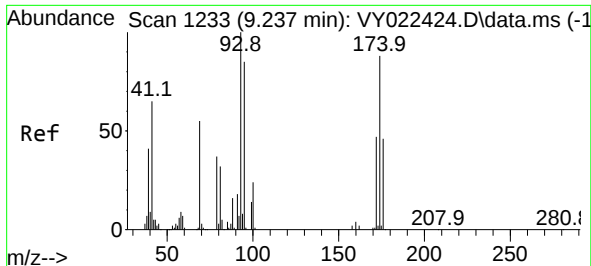
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#48
Methyl methacrylate
Concen: 4.096 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. -0.006 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

Tgt Ion: 41 Resp: 5816
Ion Ratio Lower Upper
41 100
69 81.7 70.3 105.5
39 75.9 55.4 83.0





#49

1,4-Dioxane

Concen: 95.507 ug/l

RT: 9.237 min Scan# 1233

Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

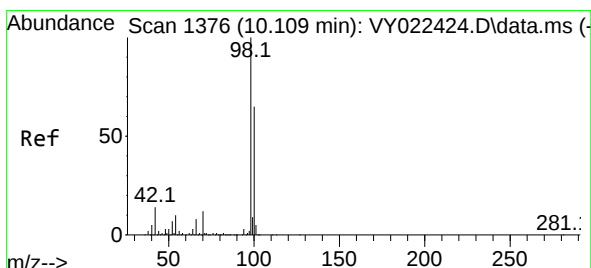
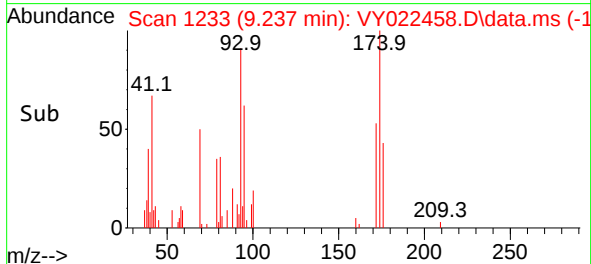
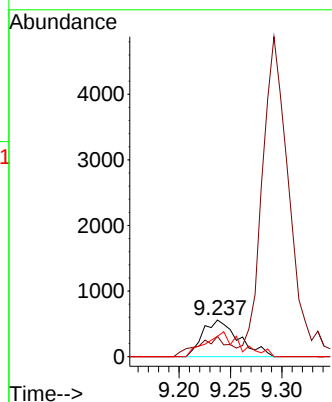
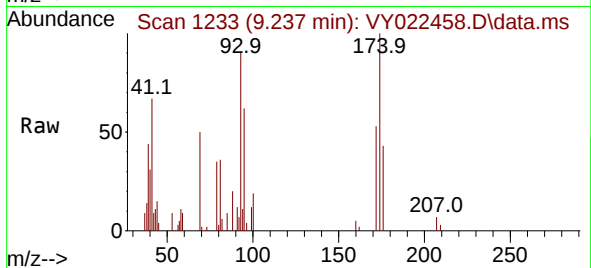
MDL-SOIL-03-QT2-2025

Tgt Ion: 88	Resp: 135
Ion Ratio	Lower Upper
88 100	
43 47.2	26.9 40.3
58 65.3	55.8 83.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#50

Toluene-d8

Concen: 49.412 ug/l

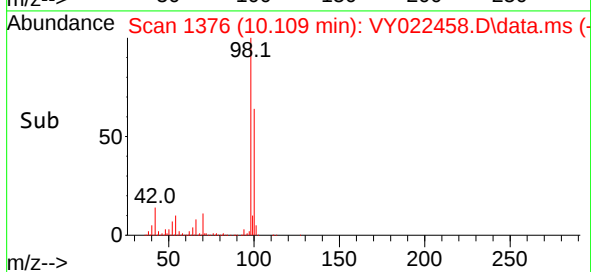
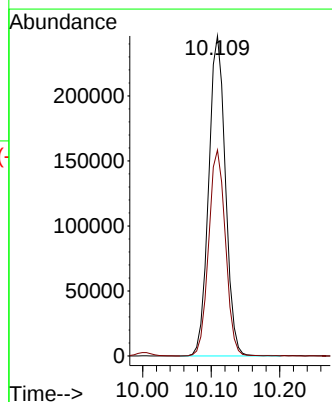
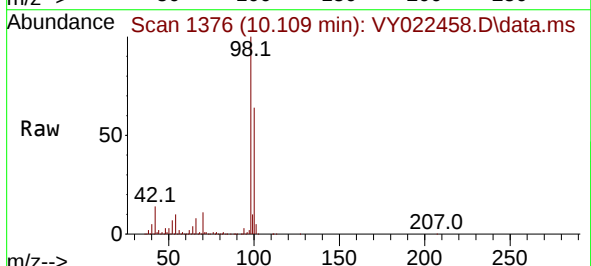
RT: 10.109 min Scan# 1376

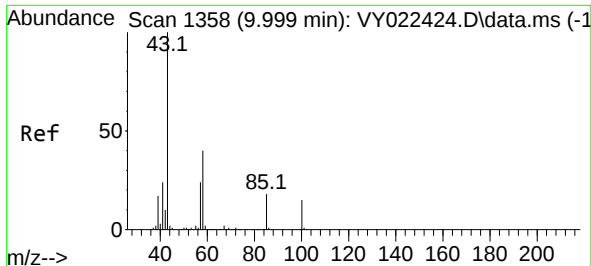
Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

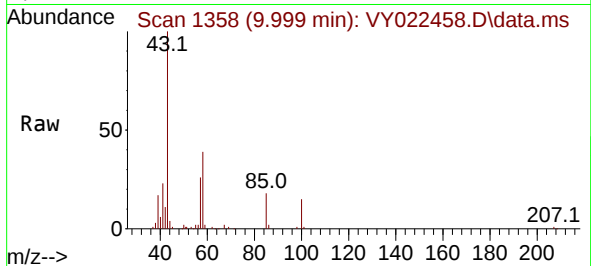
Tgt Ion: 98	Resp: 418106
Ion Ratio	Lower Upper
98 100	
100 64.6	52.2 78.2





#51
4-Methyl-2-Pentanone
Concen: 19.572 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

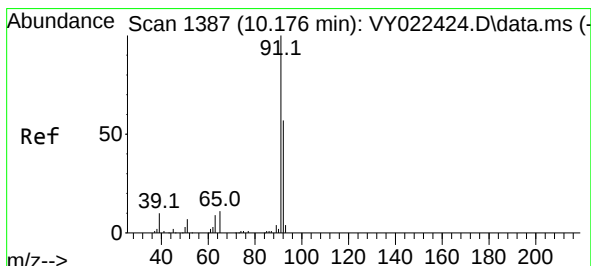
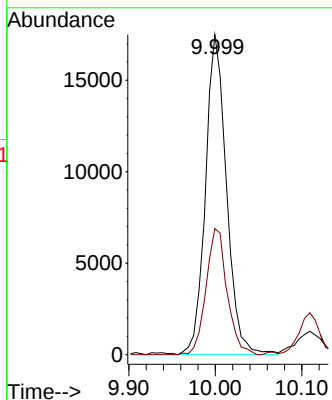
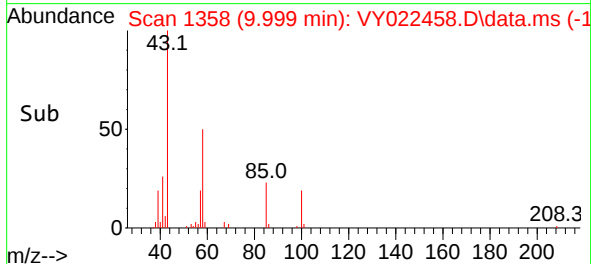
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion: 43 Resp: 29539
Ion Ratio Lower Upper
43 100
58 39.3 31.2 46.8

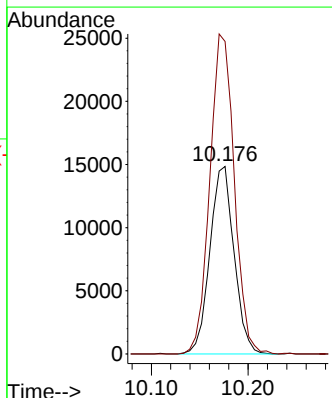
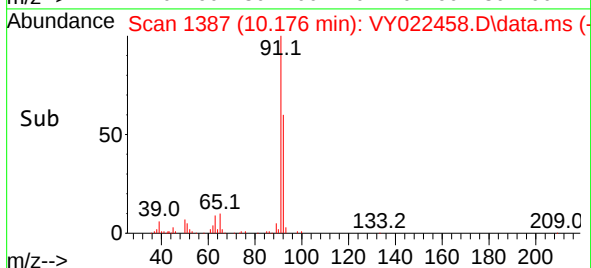
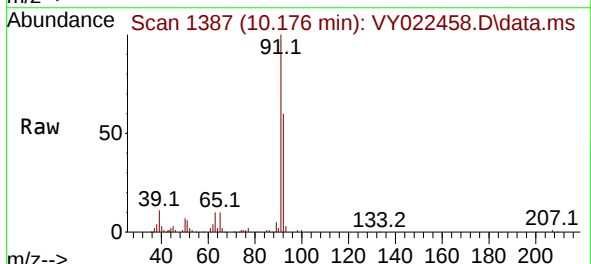
Manual Integrations
APPROVED

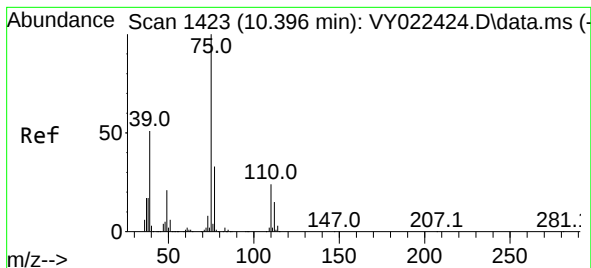
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#52
Toluene
Concen: 4.212 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

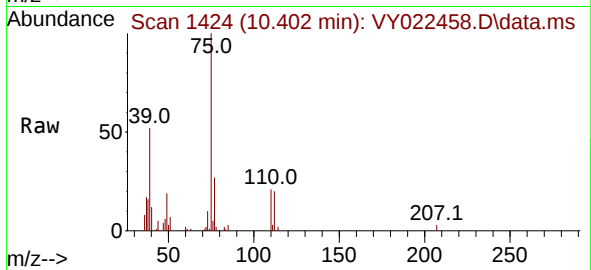
Tgt Ion: 92 Resp: 25784
Ion Ratio Lower Upper
92 100
91 172.5 139.8 209.6





#53
t-1,3-Dichloropropene
Concen: 3.859 ug/l
RT: 10.402 min Scan# 1424
Delta R.T. 0.006 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

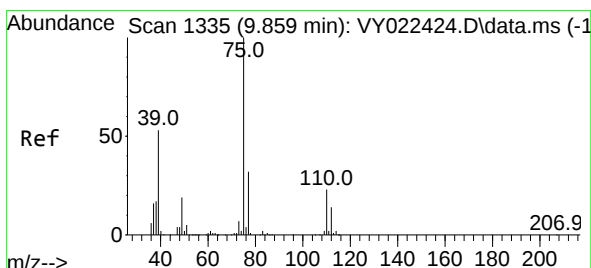
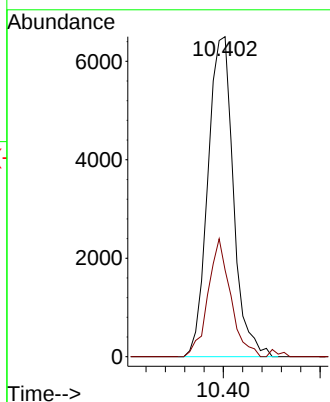
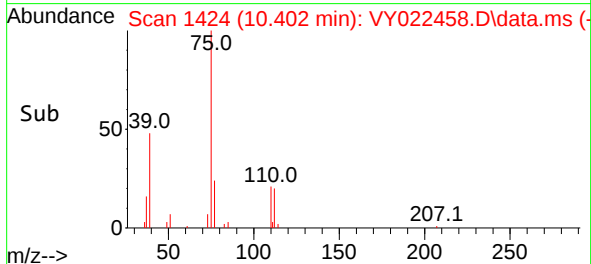
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025



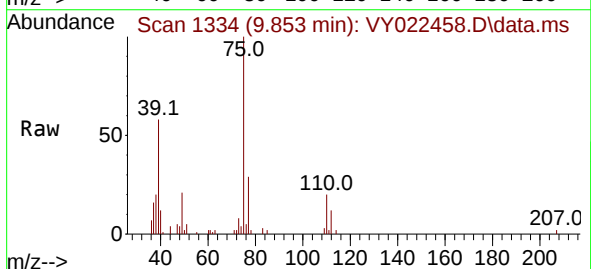
Tgt Ion: 75 Resp: 1189
Ion Ratio Lower Upper
75 100
77 27.1 26.2 39.2

Manual Integrations
APPROVED

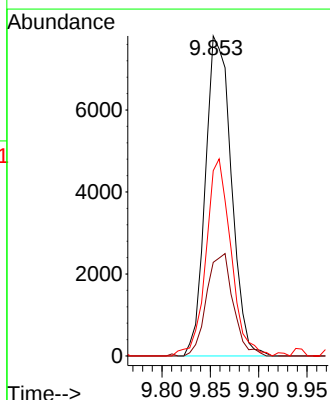
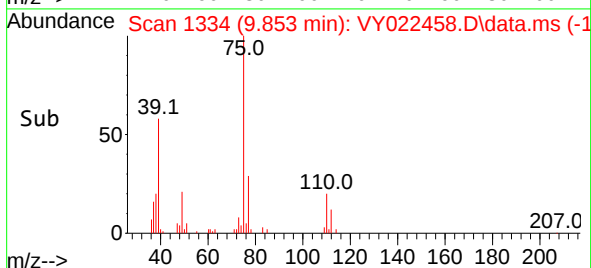
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

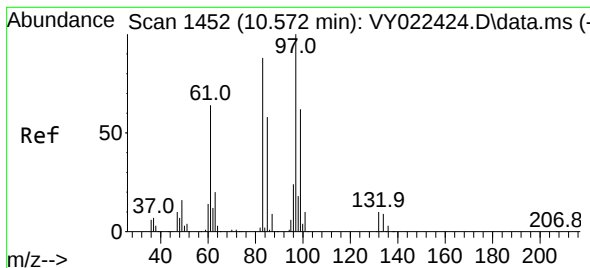


#54
cis-1,3-Dichloropropene
Concen: 4.021 ug/l
RT: 9.853 min Scan# 1334
Delta R.T. -0.006 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38



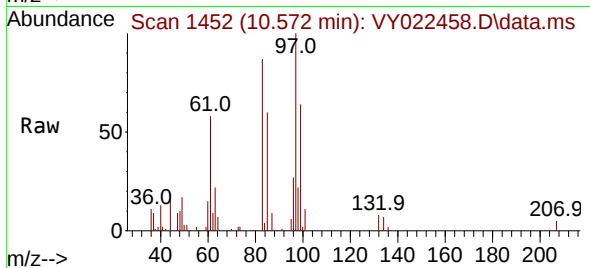
Tgt Ion: 75 Resp: 14560
Ion Ratio Lower Upper
75 100
77 29.3 25.4 38.2
39 56.9 42.5 63.7





#55
1,1,2-Trichloroethane
Concen: 4.184 ug/l
RT: 10.572 min Scan# 1452
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

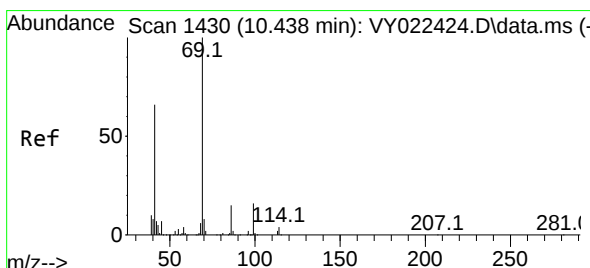
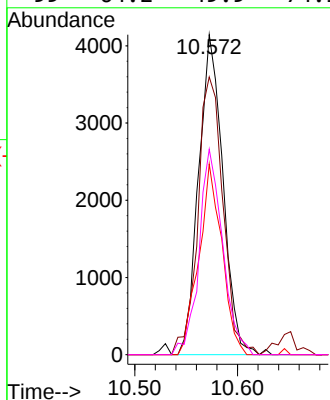
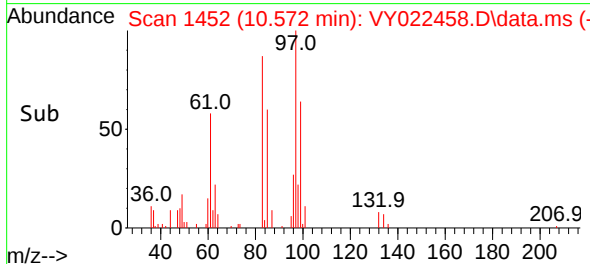
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2025



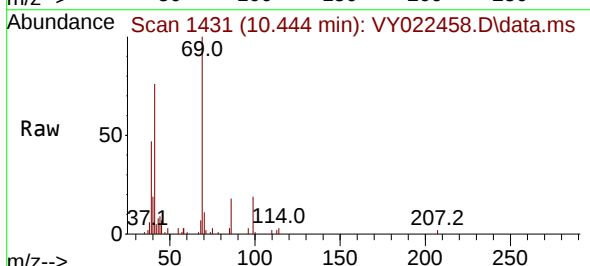
Tgt Ion: 97 Resp: 680
Ion Ratio Lower Upper
97 100
83 83.8 70.2 105.4
85 59.6 46.1 69.1
99 64.2 49.9 74.9

Manual Integrations
APPROVED

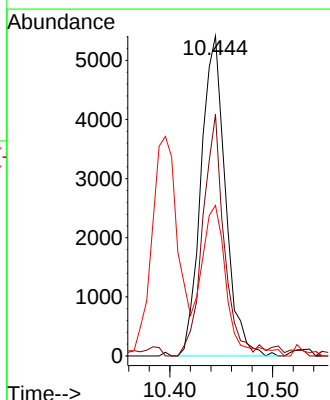
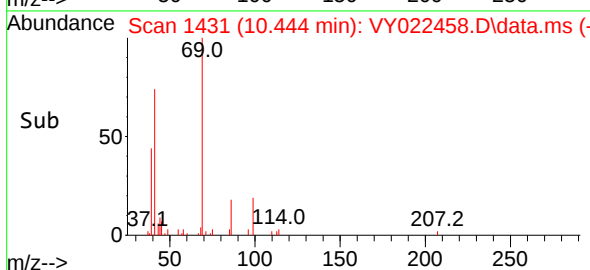
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

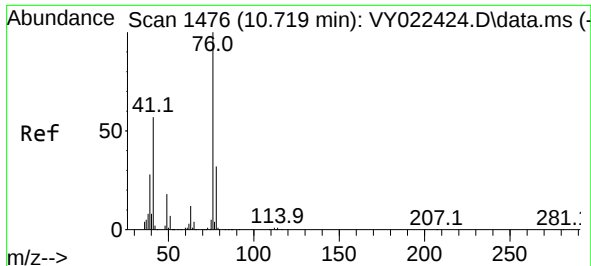


#56
Ethyl methacrylate
Concen: 3.829 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38



Tgt Ion: 69 Resp: 8936
Ion Ratio Lower Upper
69 100
41 65.4 51.2 76.8
39 48.2 35.2 52.8





#57

1,3-Dichloropropane

Concen: 4.244 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY022458.D

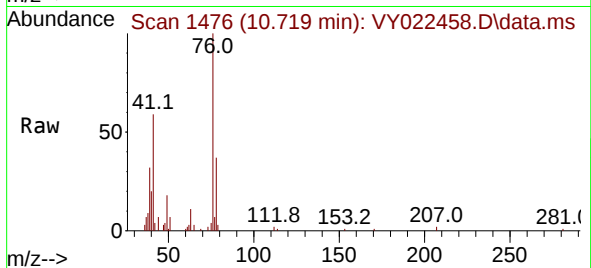
Acq: 29 May 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025



Tgt Ion: 76 Resp: 12164

Ion Ratio Lower Upper

76 100

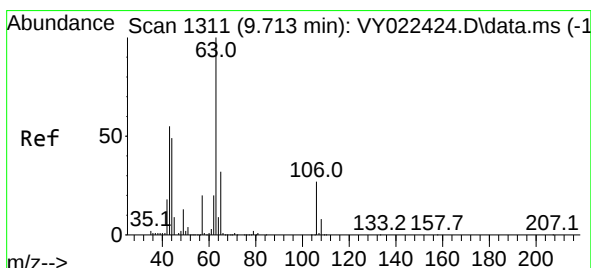
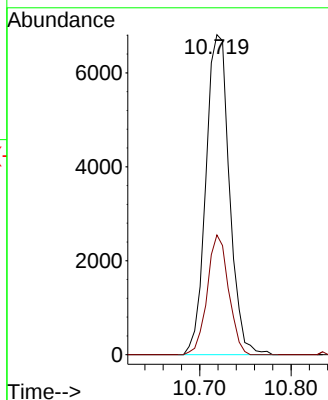
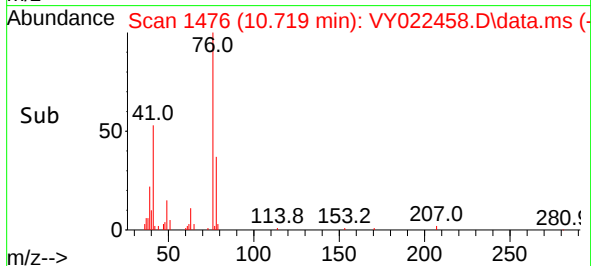
78 33.9 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025

Supervised By :Semsettin Yesilyurt 05/30/2025



#58

2-Chloroethyl Vinyl ether

Concen: 19.971 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY022458.D

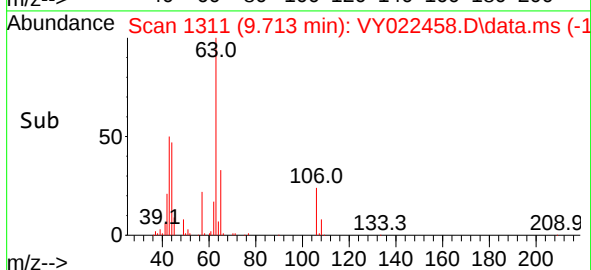
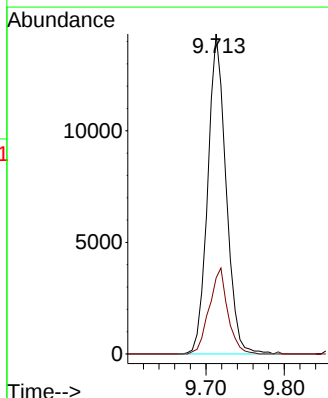
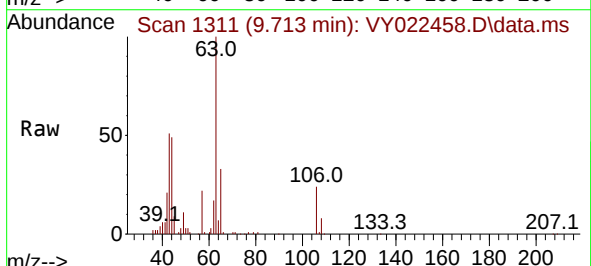
Acq: 29 May 2025 11:38

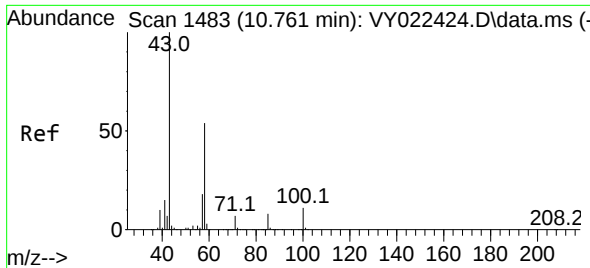
Tgt Ion: 63 Resp: 23230

Ion Ratio Lower Upper

63 100

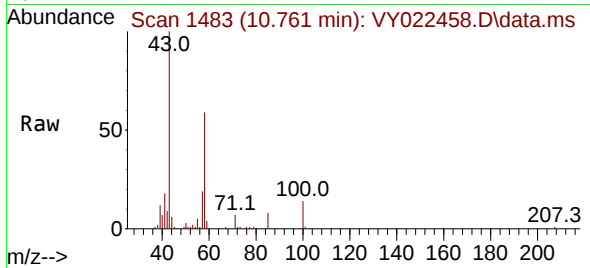
106 27.2 22.2 33.2





#59
2-Hexanone
Concen: 19.249 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

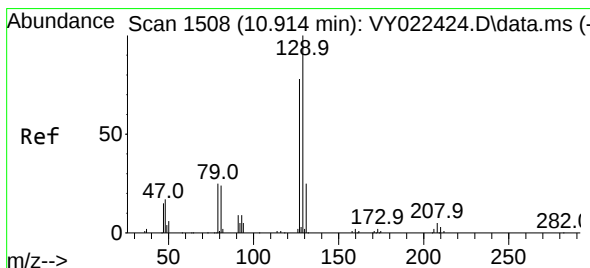
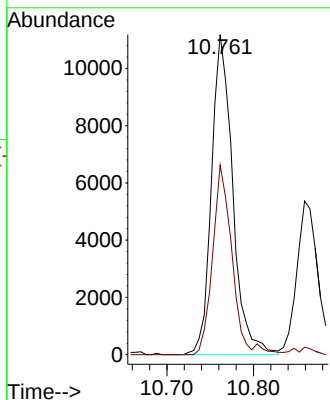
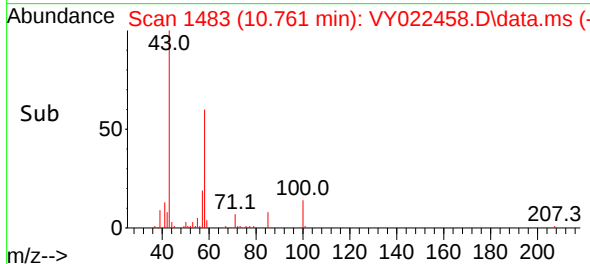
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2025



Tgt Ion: 43 Resp: 19039
Ion Ratio Lower Upper
43 100
58 54.3 27.1 81.2

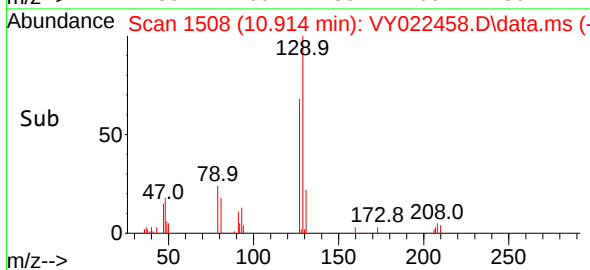
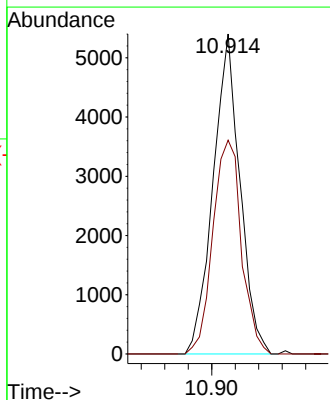
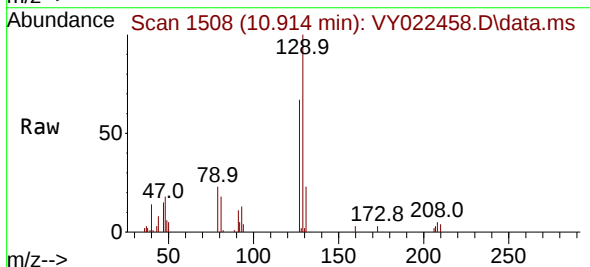
Manual Integrations
APPROVED

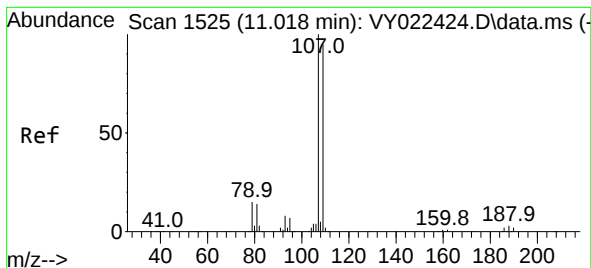
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#60
Dibromochloromethane
Concen: 4.131 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

Tgt Ion:129 Resp: 8582
Ion Ratio Lower Upper
129 100
127 70.9 38.3 114.8





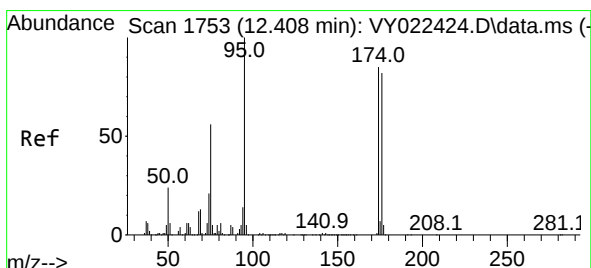
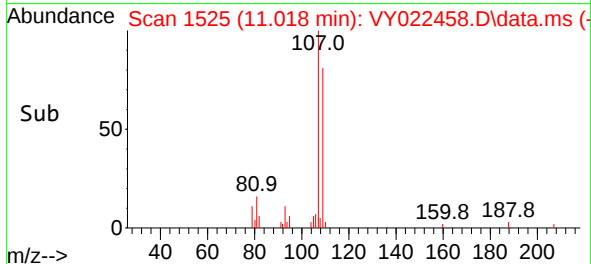
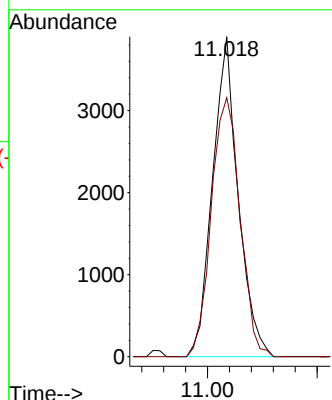
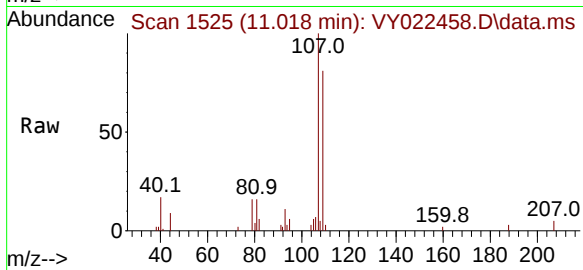
#61
1,2-Dibromoethane
Concen: 4.246 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

Tgt Ion:107 Resp: 6310
Ion Ratio Lower Upper
107 100
109 91.0 74.0 111.0

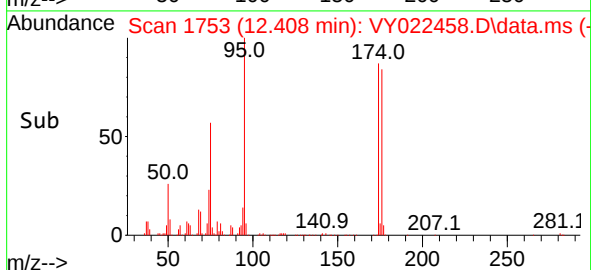
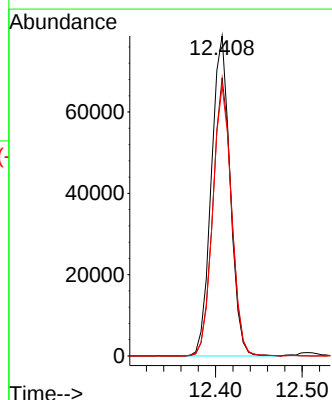
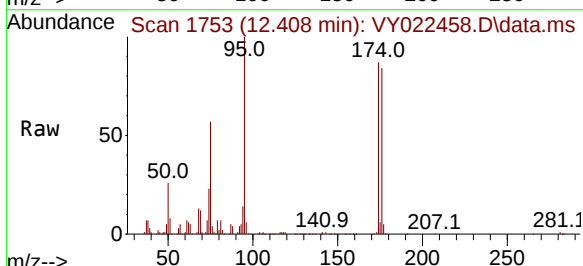
Manual Integrations
APPROVED

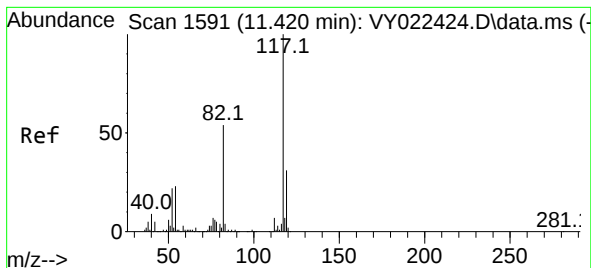
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#62
4-Bromofluorobenzene
Concen: 46.297 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

Tgt Ion: 95 Resp: 118499
Ion Ratio Lower Upper
95 100
174 85.7 0.0 171.6
176 84.4 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY022458.D

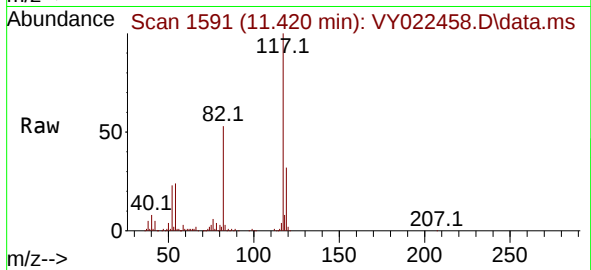
Acq: 29 May 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025



Tgt Ion:117 Resp: 292130

Ion Ratio Lower Upper

117 100

82 52.9 43.3 64.9

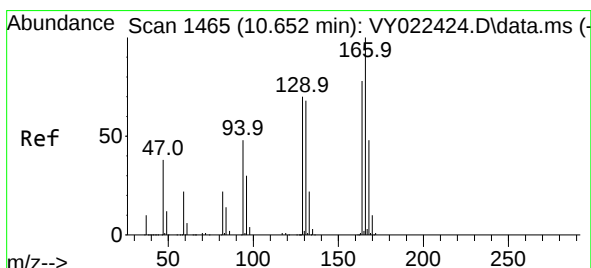
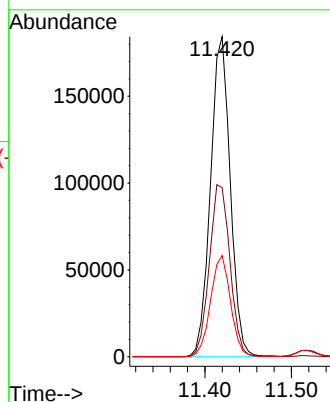
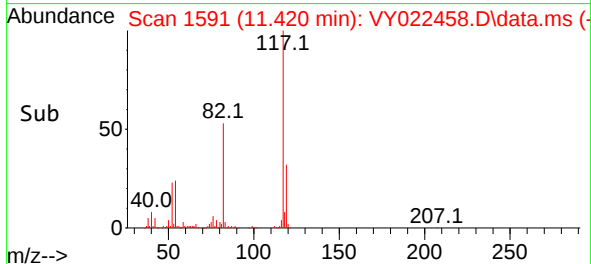
119 31.6 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025

Supervised By :Semsettin Yesilyurt 05/30/2025



#64

Tetrachloroethene

Concen: 4.510 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Tgt Ion:164 Resp: 11220

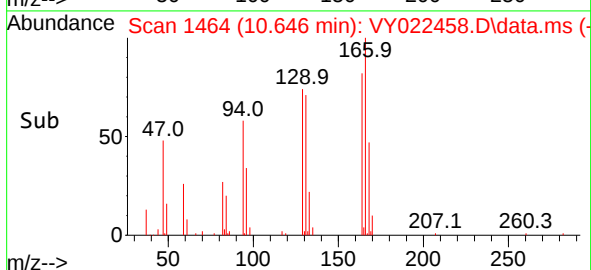
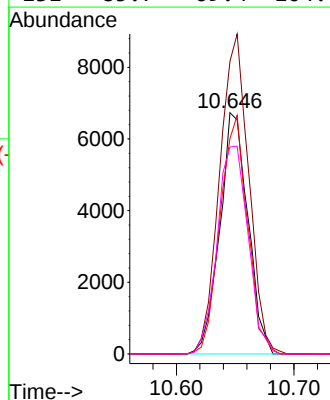
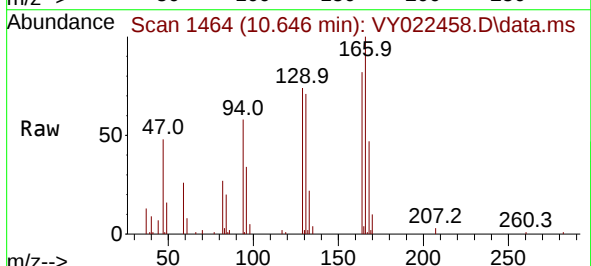
Ion Ratio Lower Upper

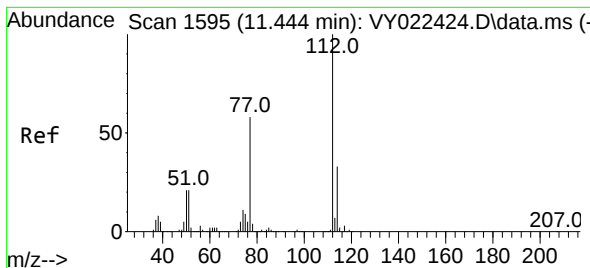
164 100

166 121.3 102.0 153.0

129 89.3 71.3 106.9

131 85.7 69.4 104.0





#65

Chlorobenzene

Concen: 4.378 ug/l

RT: 11.444 min Scan# 1595

Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion:112 Resp: 2726

Ion Ratio Lower Upper

112 100

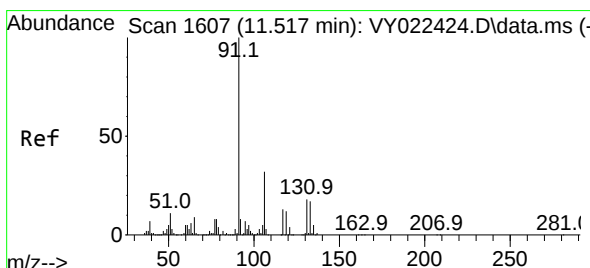
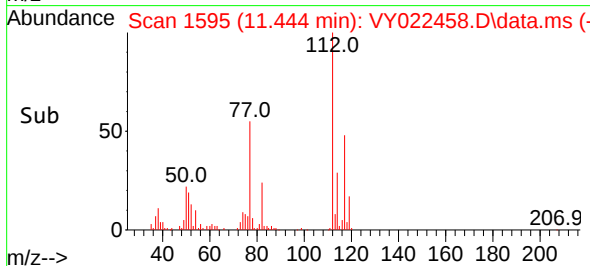
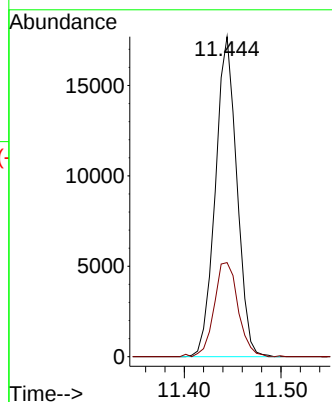
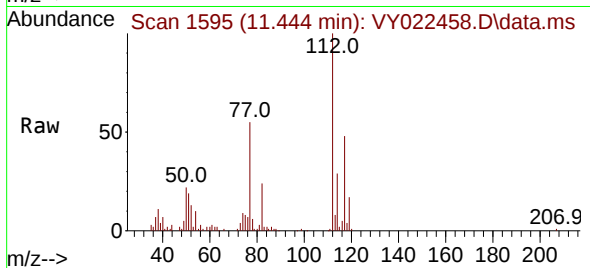
114 29.4 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025

Supervised By :Semsettin Yesilyurt 05/30/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 4.090 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

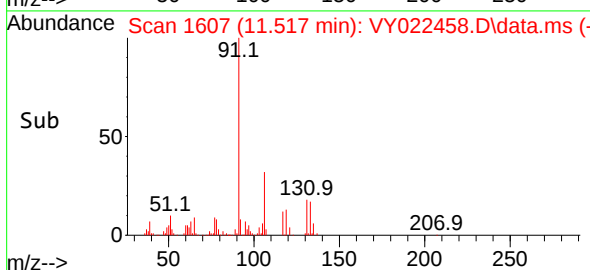
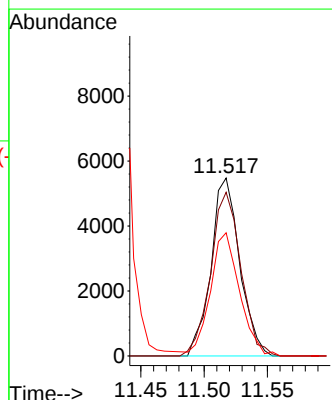
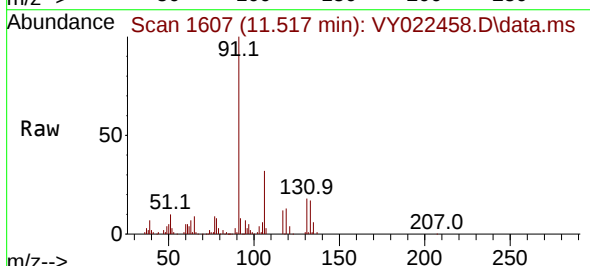
Tgt Ion:131 Resp: 8631

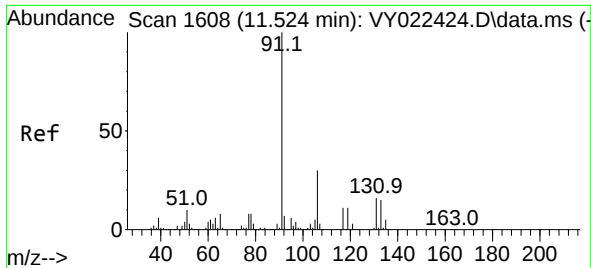
Ion Ratio Lower Upper

131 100

133 96.8 46.6 139.8

119 71.1 33.3 99.8





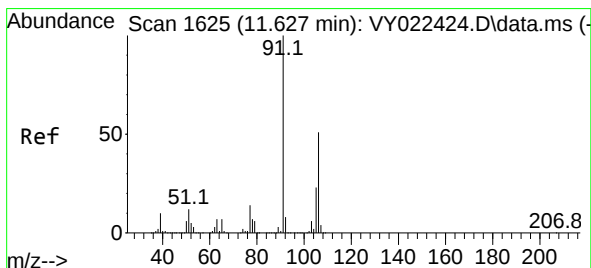
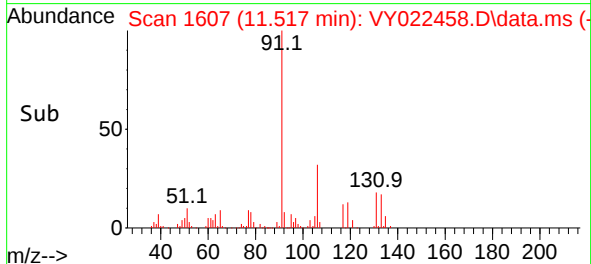
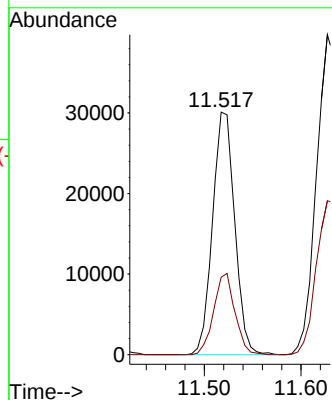
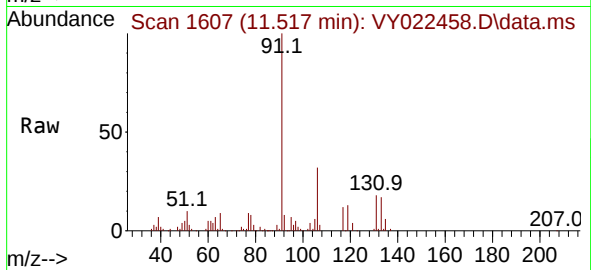
#67
Ethyl Benzene
Concen: 4.150 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.006 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

Tgt Ion: 91 Resp: 4800
Ion Ratio Lower Upper
91 100
106 31.9 24.4 36.6

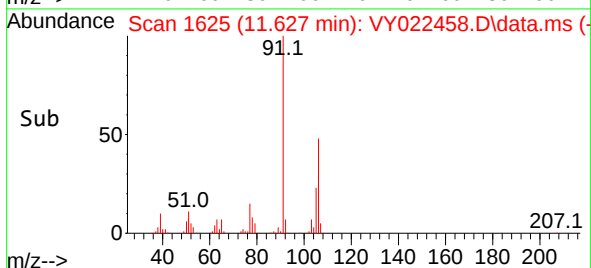
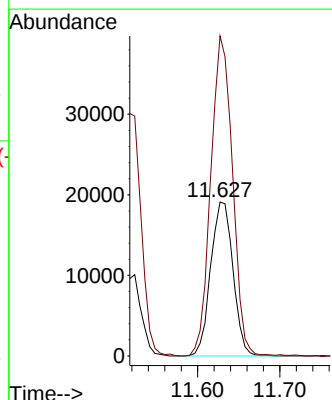
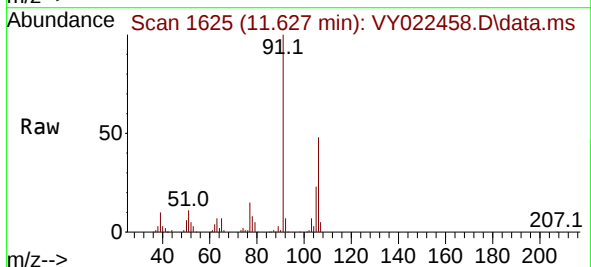
Manual Integrations
APPROVED

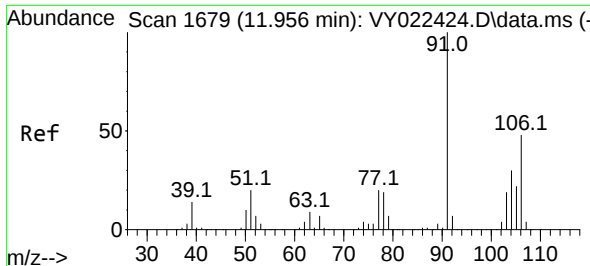
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#68
m/p-Xylenes
Concen: 8.209 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

Tgt Ion:106 Resp: 35996
Ion Ratio Lower Upper
106 100
91 203.1 159.8 239.8





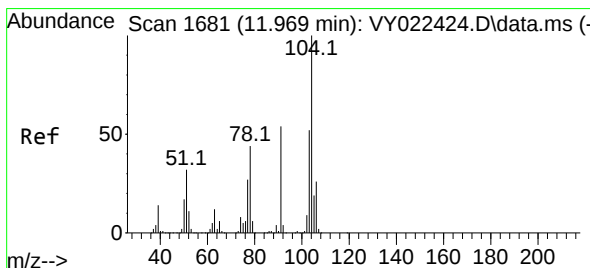
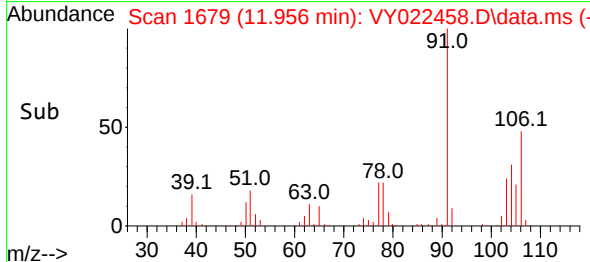
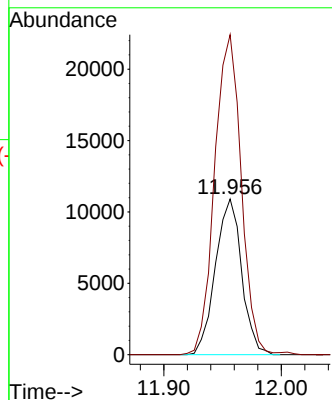
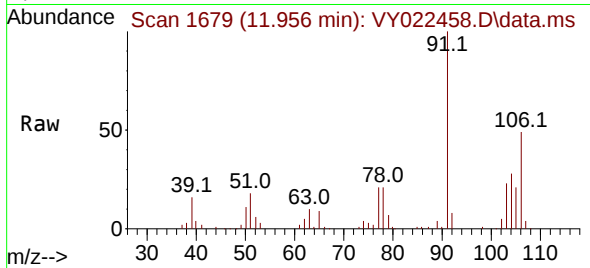
#69
o-Xylene
Concen: 4.100 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

Tgt Ion:106 Resp: 16890
Ion Ratio Lower Upper
106 100
91 209.0 106.3 318.9

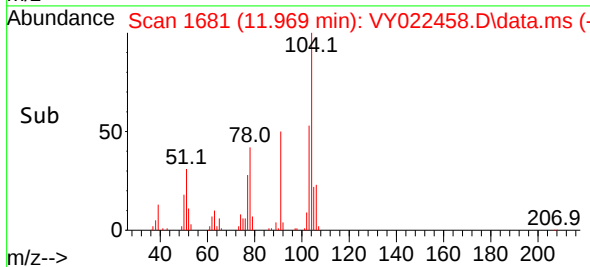
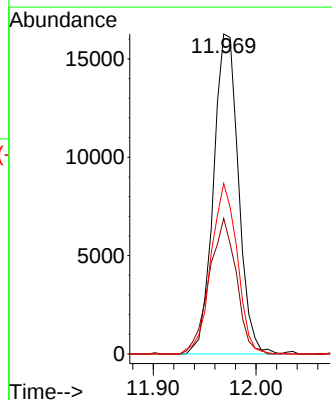
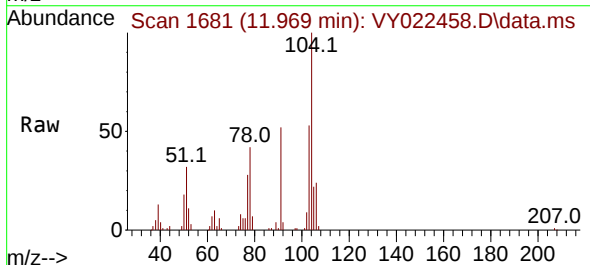
Manual Integrations
APPROVED

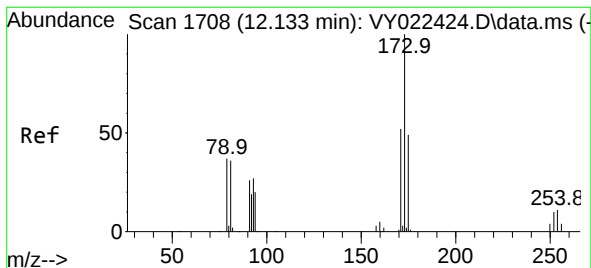
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#70
Styrene
Concen: 3.993 ug/l
RT: 11.969 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

Tgt Ion:104 Resp: 27403
Ion Ratio Lower Upper
104 100
78 46.1 38.8 58.2
103 55.8 43.4 65.2





#71

Bromoform

Concen: 3.824 ug/l

RT: 12.133 min Scan# 1708

Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

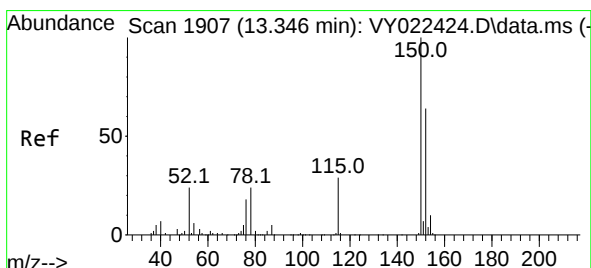
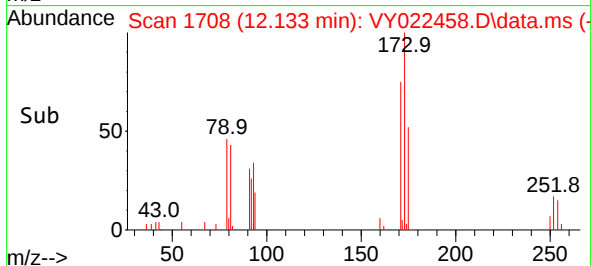
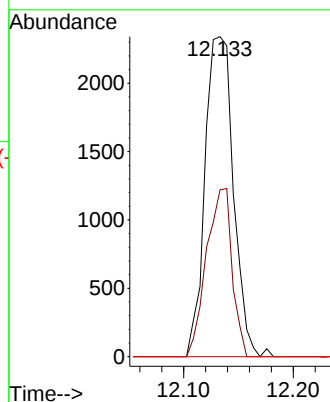
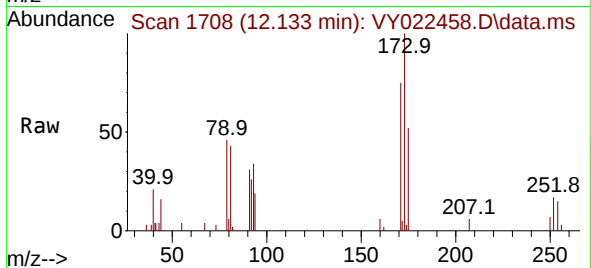
MDL-SOIL-03-QT2-2025

Tgt Ion:173	Resp: 422
Ion Ratio	Lower Upper
173	100
175	47.2 24.3 73.0
254	0.0 0.1 0.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

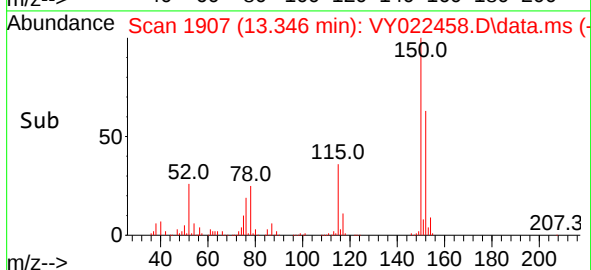
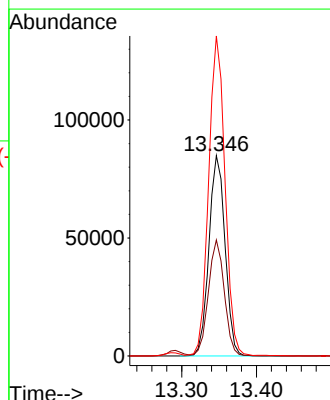
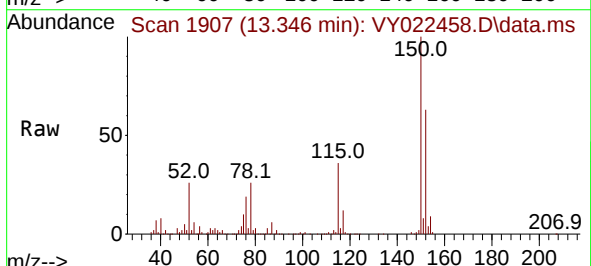
RT: 13.346 min Scan# 1907

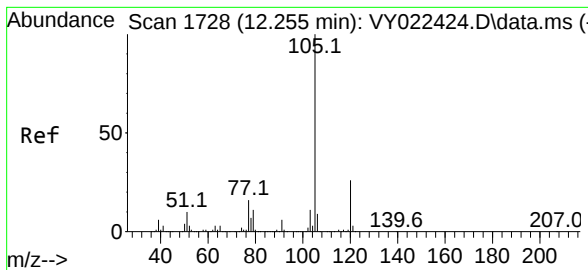
Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

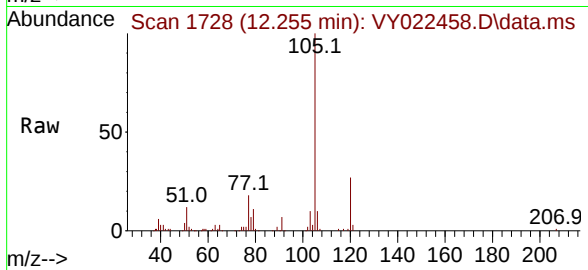
Tgt Ion:152	Resp: 127398
Ion Ratio	Lower Upper
152	100
115	57.1 28.4 85.3
150	161.4 0.0 345.8





#73
Isopropylbenzene
Concen: 4.549 ug/l
RT: 12.255 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

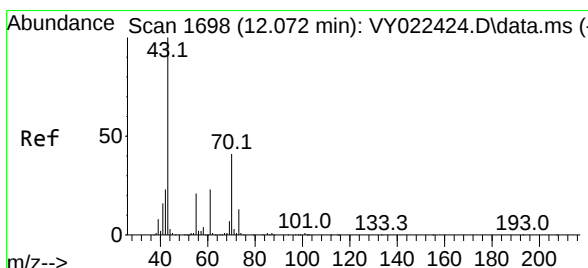
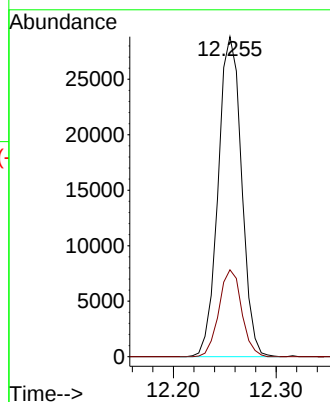
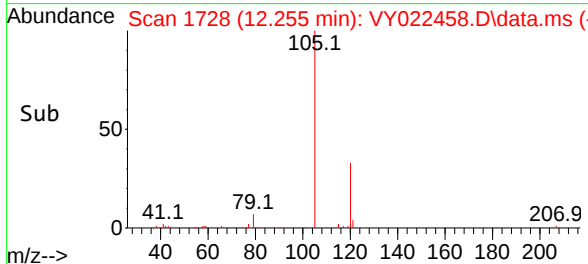
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025



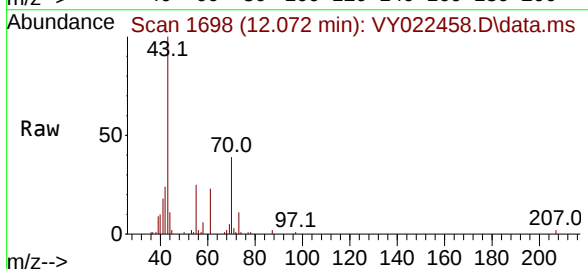
Tgt Ion:105 Resp: 4560
Ion Ratio Lower Upper
105 100
120 26.3 13.2 39.5

Manual Integrations
APPROVED

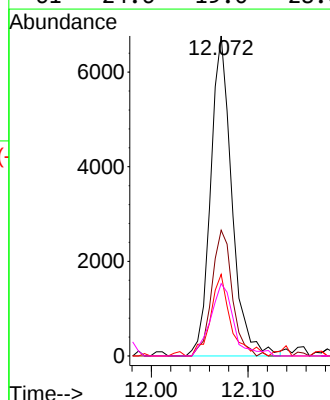
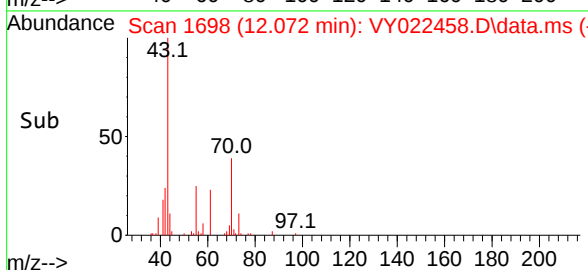
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

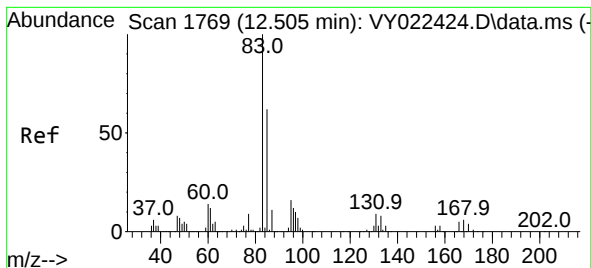


#74
N-ethyl acetate
Concen: 4.212 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38



Tgt Ion: 43 Resp: 10334
Ion Ratio Lower Upper
43 100
70 37.9 33.0 49.4
55 23.8 17.5 26.3
61 24.6 19.0 28.6





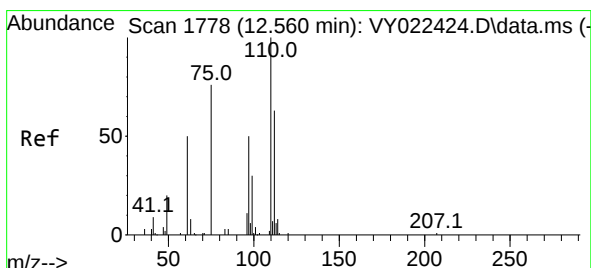
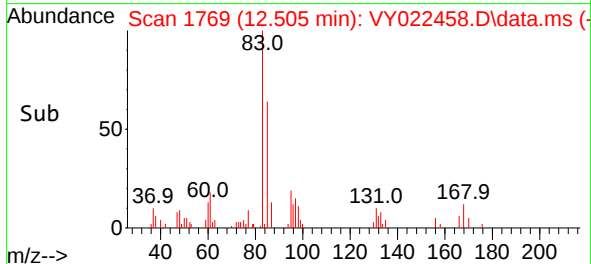
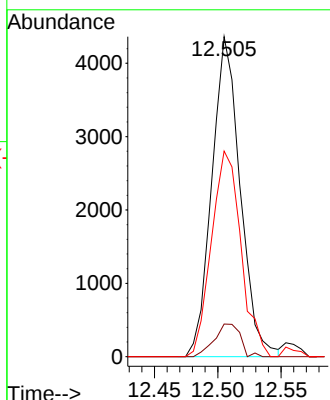
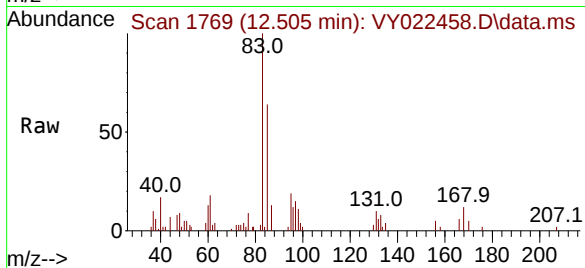
#75
1,1,2,2-Tetrachloroethane
Concen: 4.308 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2025

Tgt Ion: 83 Resp: 6800
Ion Ratio Lower Upper
83 100
131 9.3 4.8 14.4
85 66.7 32.0 96.2

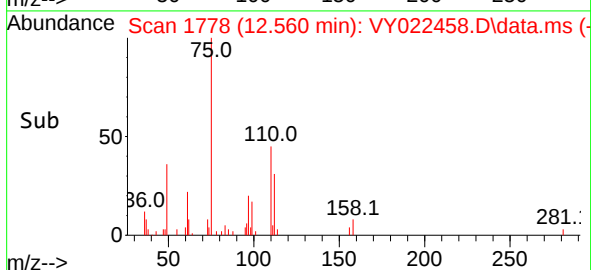
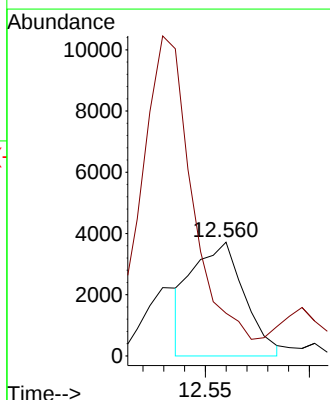
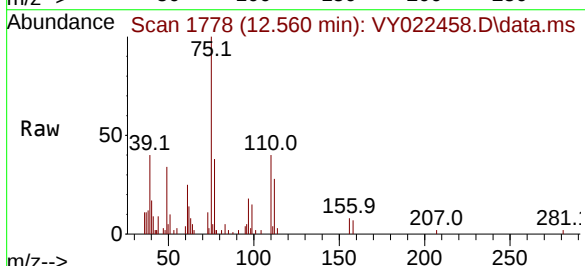
Manual Integrations
APPROVED

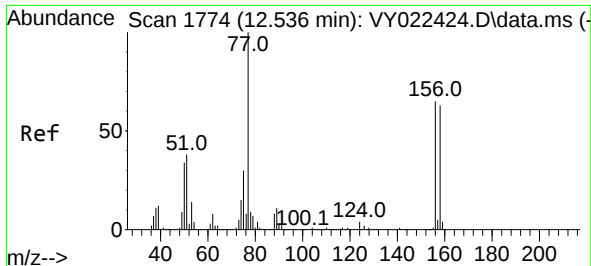
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#76
1,2,3-Trichloropropane
Concen: 5.072 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

Tgt Ion: 75 Resp: 6473
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





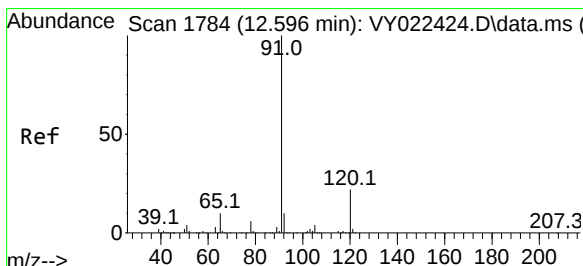
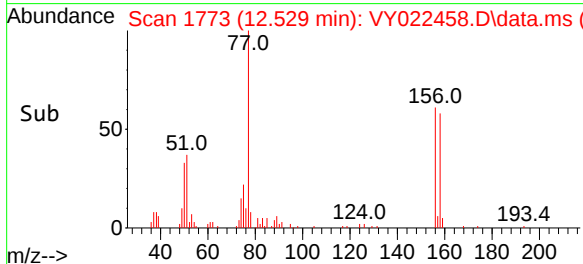
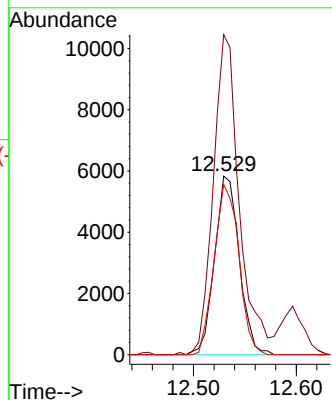
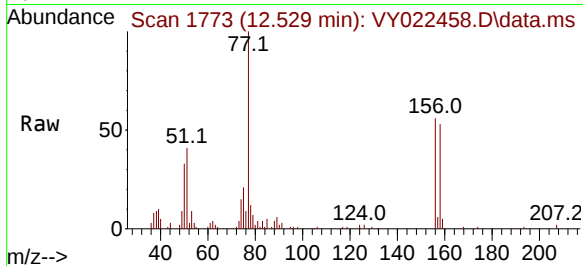
#77
Bromobenzene
Concen: 4.502 ug/l
RT: 12.529 min Scan# 1773
Delta R.T. -0.006 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

Tgt Ion: 156 Resp: 971
Ion Ratio Lower Upper
156 100
77 187.7 91.4 274.2
158 95.8 48.1 144.3

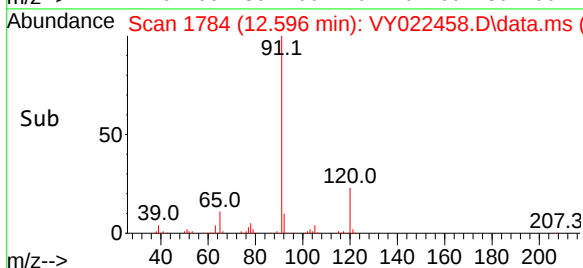
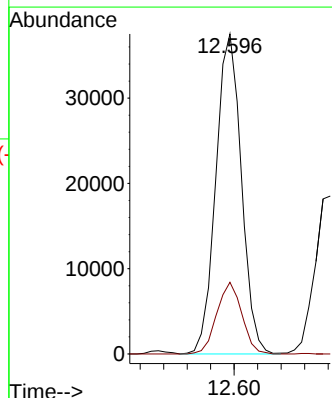
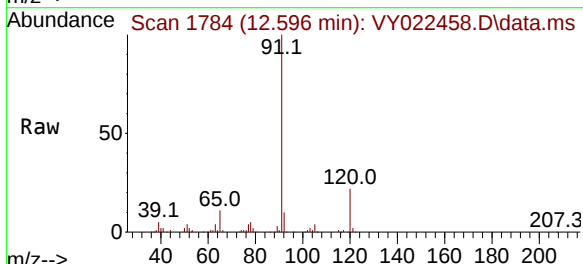
Manual Integrations
APPROVED

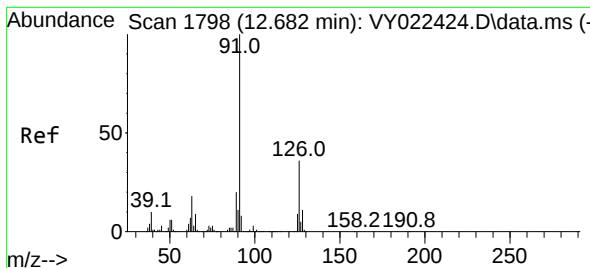
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#78
n-propylbenzene
Concen: 4.706 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

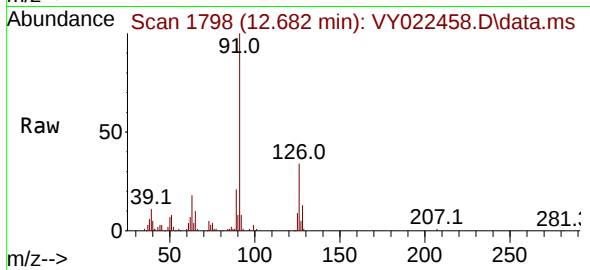
Tgt Ion: 91 Resp: 56627
Ion Ratio Lower Upper
91 100
120 21.9 11.2 33.5





#79
2-Chlorotoluene
Concen: 4.577 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

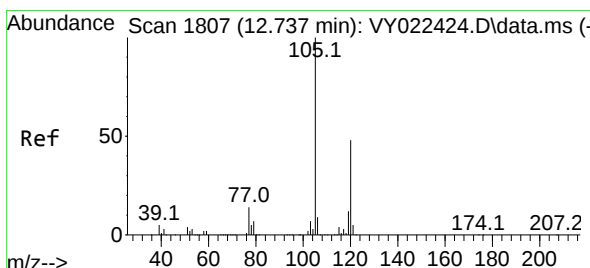
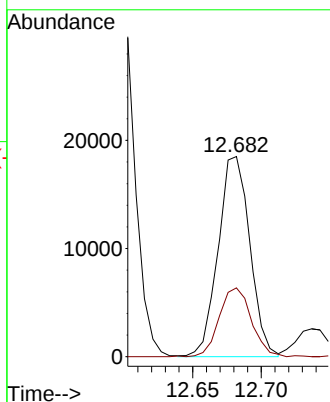
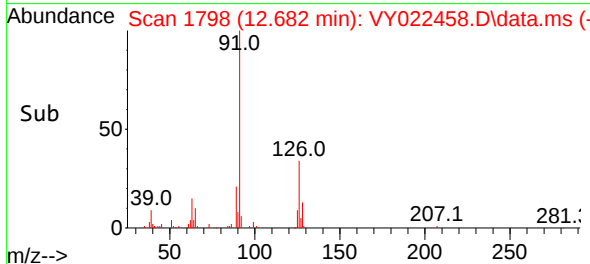
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025



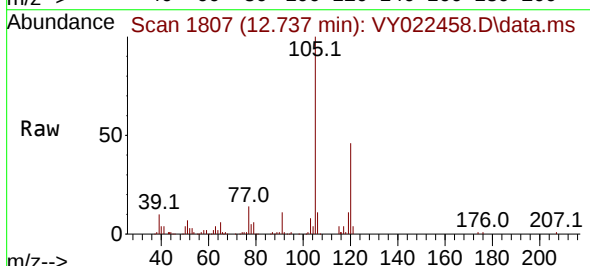
Tgt Ion: 91 Resp: 2981
Ion Ratio Lower Upper
91 100
126 34.9 17.4 52.3

Manual Integrations
APPROVED

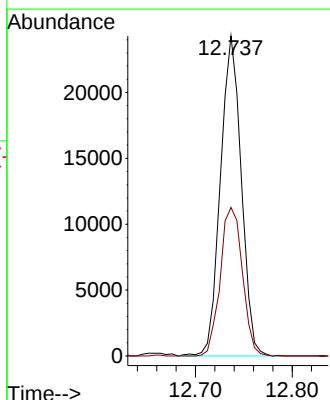
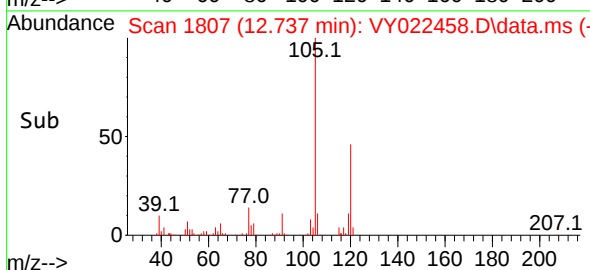
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

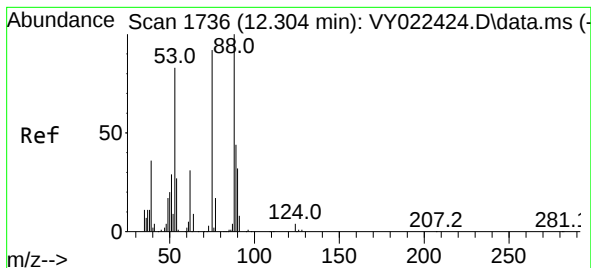


#80
1,3,5-Trimethylbenzene
Concen: 4.626 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38



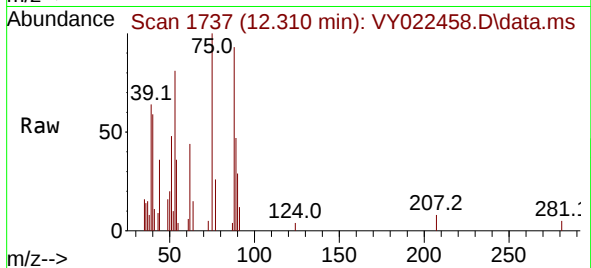
Tgt Ion:105 Resp: 36238
Ion Ratio Lower Upper
105 100
120 49.4 24.3 73.0





#81
trans-1,4-Dichloro-2-butene
Concen: 3.963 ug/l
RT: 12.310 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

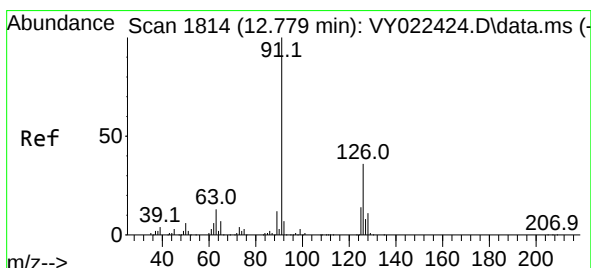
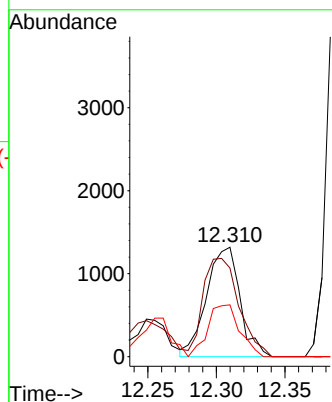
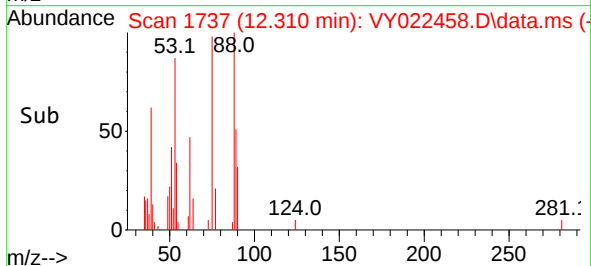
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025



Tgt Ion: 75 Resp: 2230
Ion Ratio Lower Upper
75 100
53 96.2 75.1 112.7
89 45.3 37.4 56.0

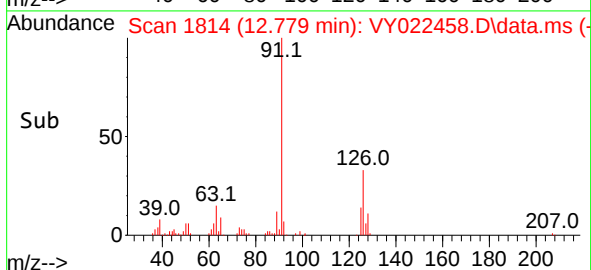
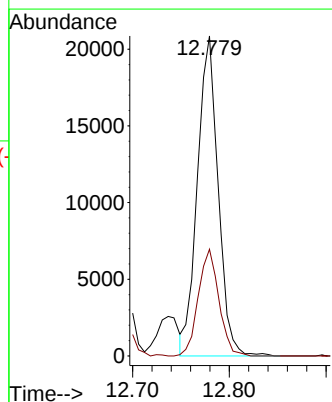
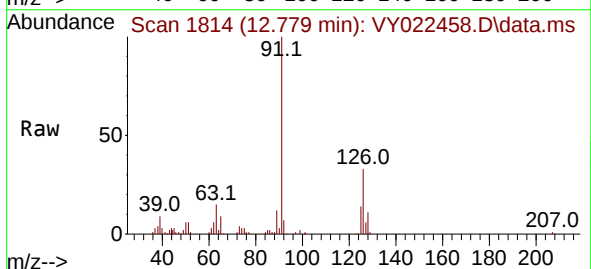
Manual Integrations
APPROVED

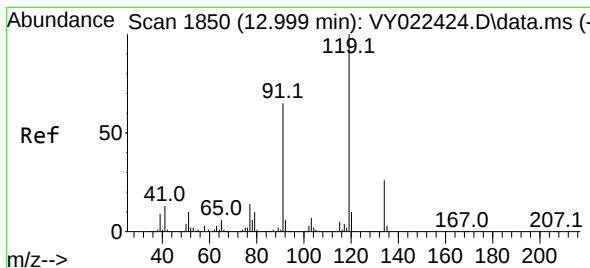
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#82
4-Chlorotoluene
Concen: 4.637 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

Tgt Ion: 91 Resp: 31110
Ion Ratio Lower Upper
91 100
126 33.1 17.2 51.6





#83

tert-Butylbenzene

Concen: 4.866 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

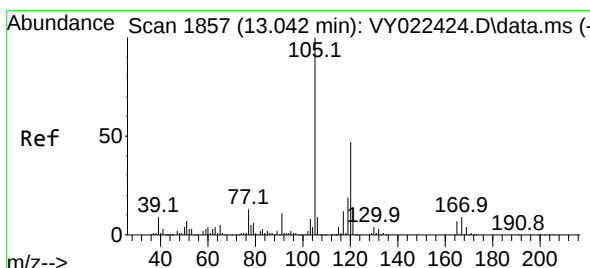
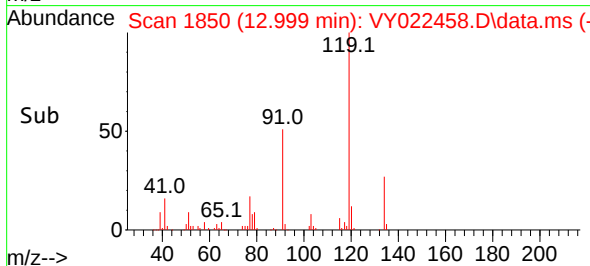
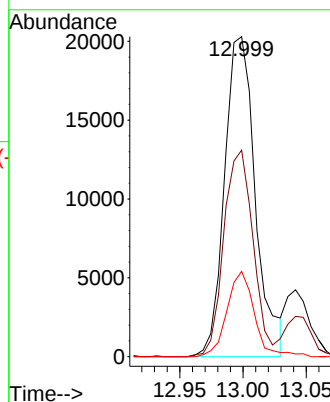
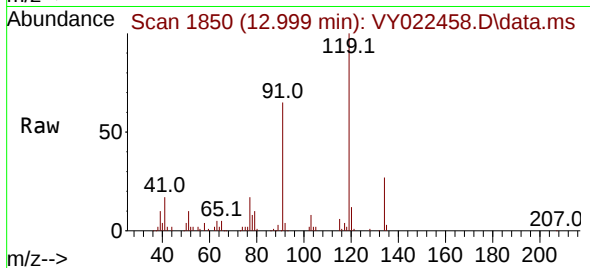
Tgt Ion:	119	Resp:	34440
Ion Ratio	Lower	Upper	
119	100		
91	61.1	31.8	95.3
134	23.7	13.0	38.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025

Supervised By :Semsettin Yesilyurt 05/30/2025



#84

1,2,4-Trimethylbenzene

Concen: 4.521 ug/l

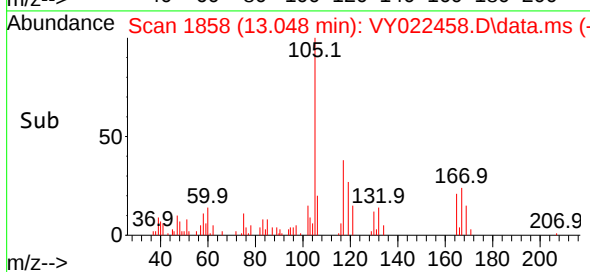
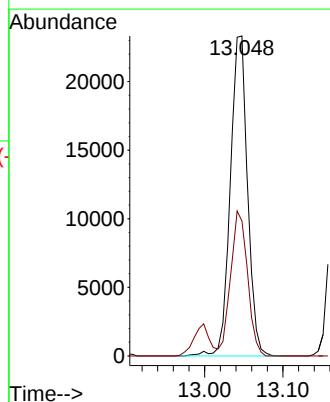
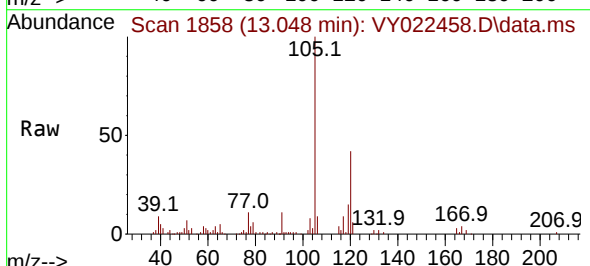
RT: 13.048 min Scan# 1858

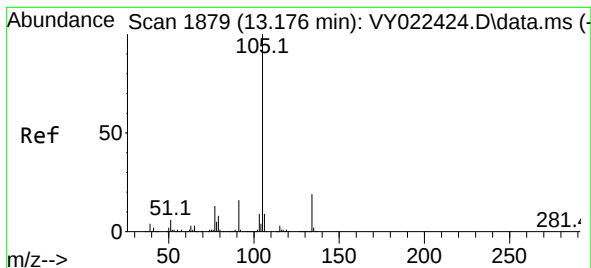
Delta R.T. 0.006 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Tgt Ion:	105	Resp:	35640
Ion Ratio	Lower	Upper	
105	100		
120	44.4	22.9	68.5





#85

sec-Butylbenzene

Concen: 4.868 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

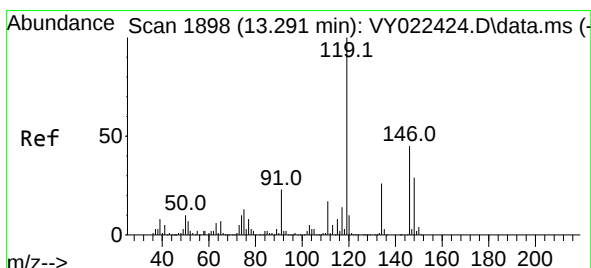
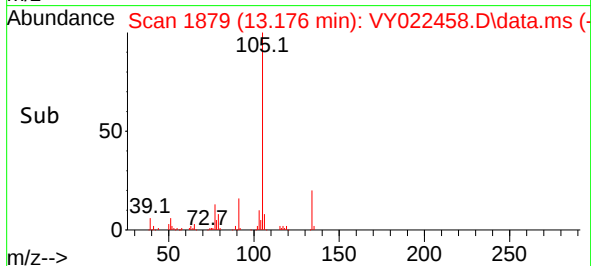
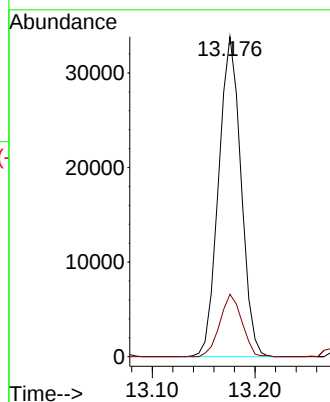
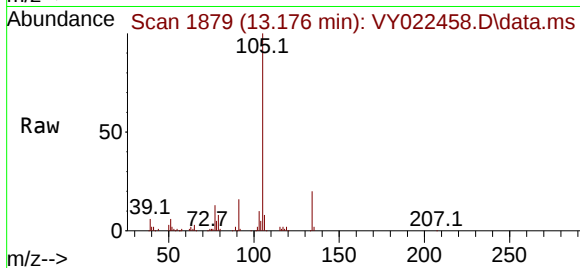
MDL-SOIL-03-QT2-2025

Tgt Ion:105 Resp: 5110
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.7 29.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
 Supervised By :Semsettin Yesilyurt 05/30/2025



#86

p-Isopropyltoluene

Concen: 4.551 ug/l

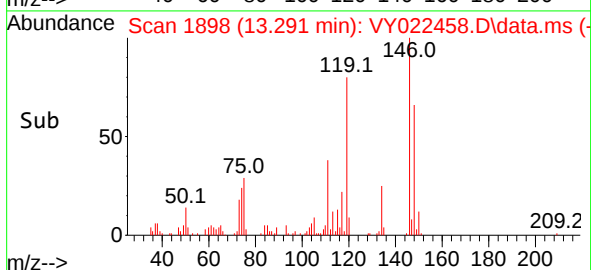
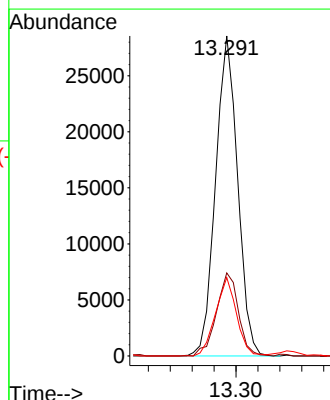
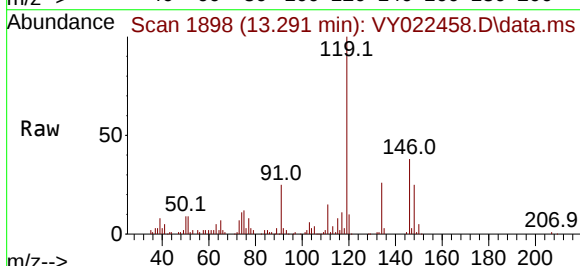
RT: 13.291 min Scan# 1898

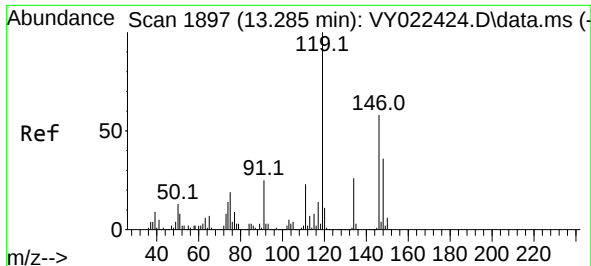
Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Tgt Ion:119 Resp: 39893
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.0 39.0
 91 23.4 11.6 34.8





#87

1,3-Dichlorobenzene

Concen: 4.395 ug/l

RT: 13.285 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

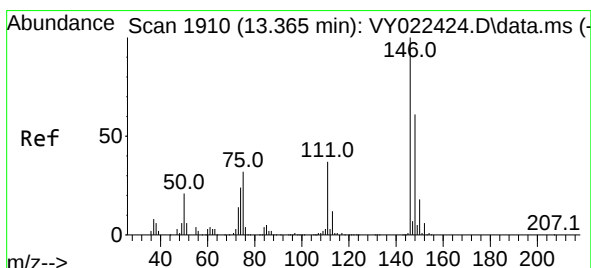
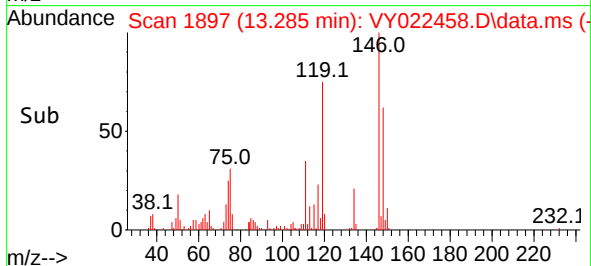
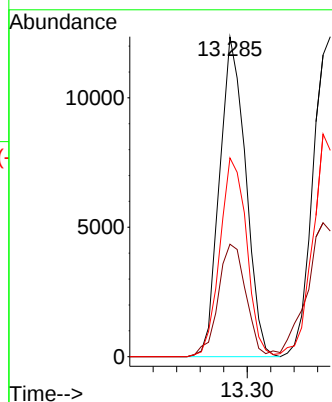
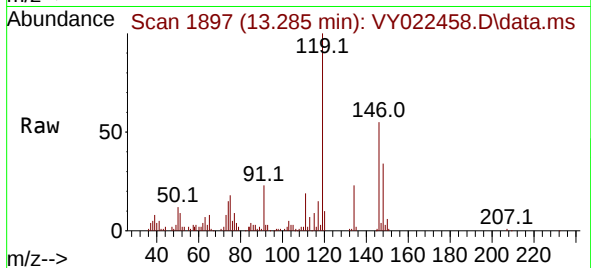
Tgt Ion:146	Resp:	1908
Ion Ratio	Lower	Upper
146	100	
111	37.1	19.6 58.8
148	63.5	31.7 95.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025

Supervised By :Semsettin Yesilyurt 05/30/2025



#88

1,4-Dichlorobenzene

Concen: 4.718 ug/l

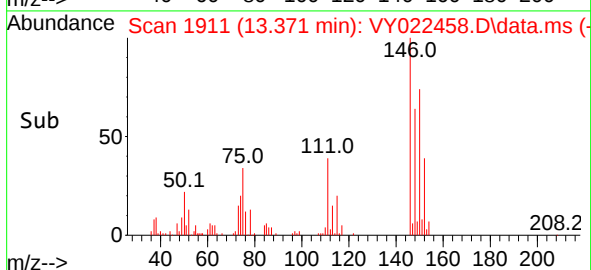
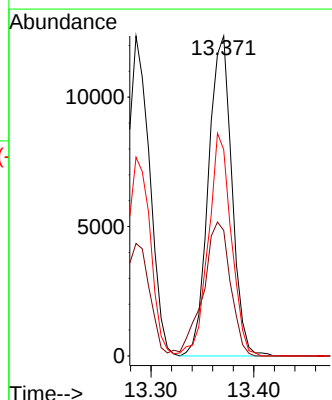
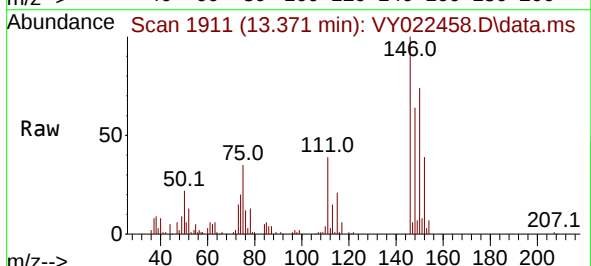
RT: 13.371 min Scan# 1911

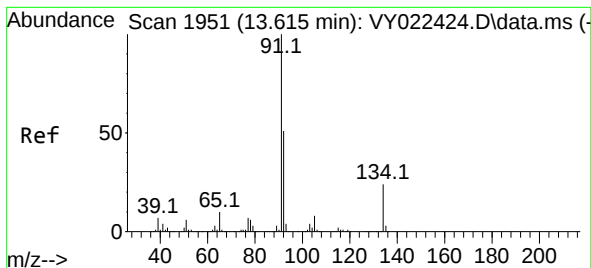
Delta R.T. 0.006 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Tgt Ion:146	Resp:	19587
Ion Ratio	Lower	Upper
146	100	
111	49.2	18.7 56.1
148	68.4	31.4 94.3





#89

n-Butylbenzene

Concen: 4.771 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

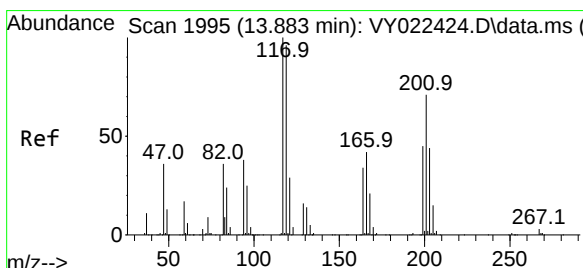
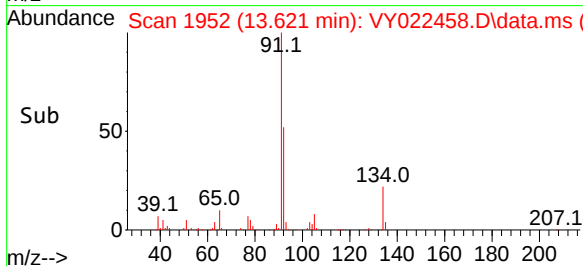
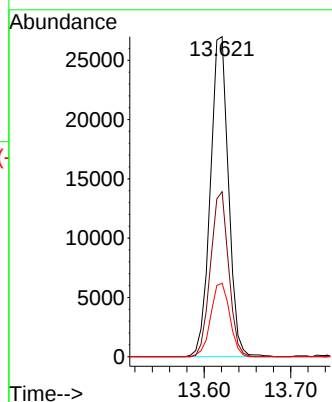
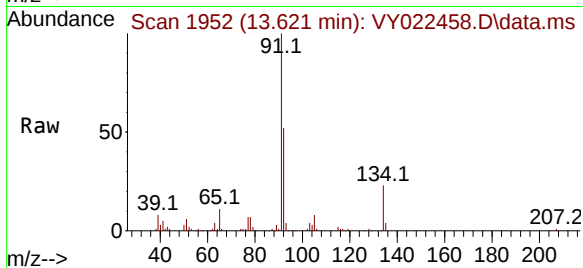
MDL-SOIL-03-QT2-2025

Tgt Ion: 91	Resp: 39214
Ion Ratio	Lower Upper
91 100	
92 51.4	25.9 77.6
134 24.0	12.4 37.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#90

Hexachloroethane

Concen: 5.099 ug/l

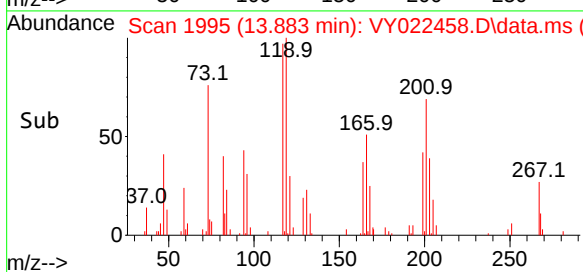
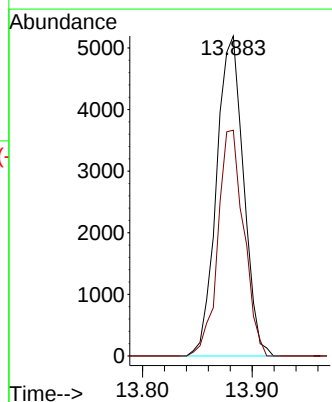
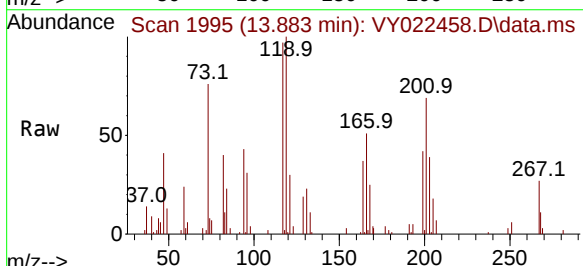
RT: 13.883 min Scan# 1995

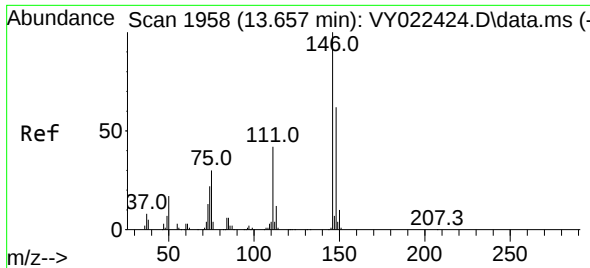
Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

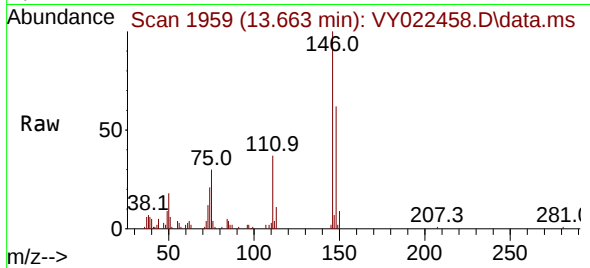
Tgt Ion:117	Resp: 8894
Ion Ratio	Lower Upper
117 100	
201 67.6	35.0 105.0





#91
1,2-Dichlorobenzene
Concen: 4.590 ug/l
RT: 13.663 min Scan# 1959
Delta R.T. 0.006 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

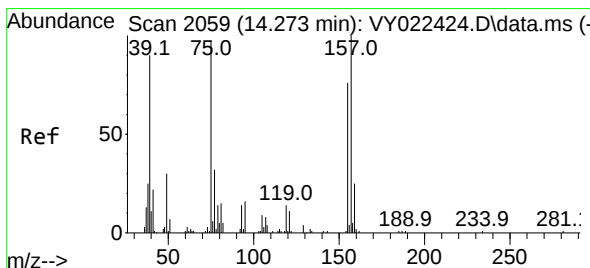
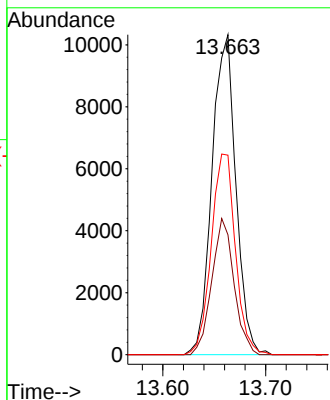
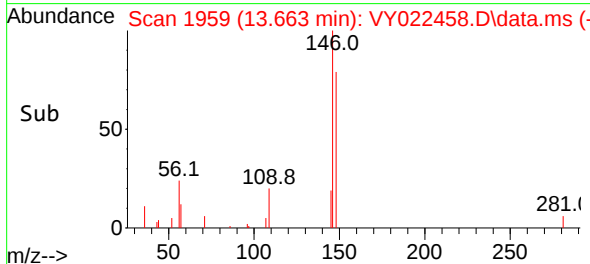
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2025



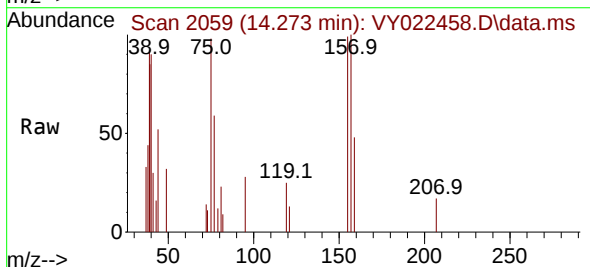
Tgt Ion:146 Resp: 1664
Ion Ratio Lower Upper
146 100
111 39.7 20.5 61.6
148 63.7 31.9 95.9

Manual Integrations
APPROVED

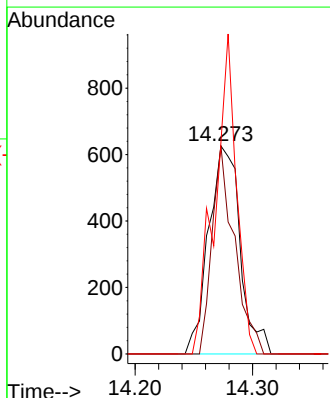
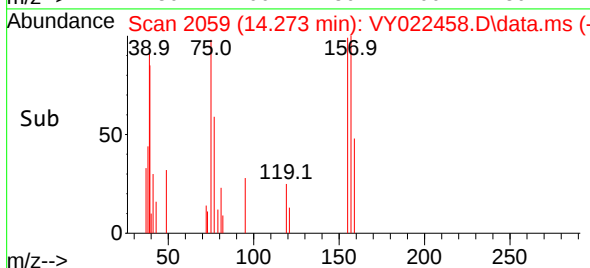
Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025

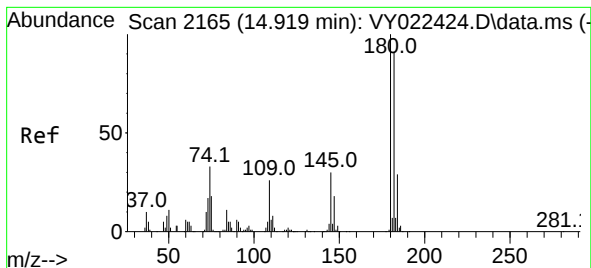


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.777 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38



Tgt Ion: 75 Resp: 1166
Ion Ratio Lower Upper
75 100
155 70.9 42.3 126.8
157 105.7 54.4 163.3





#93

1,2,4-Trichlorobenzene

Concen: 4.979 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY022458.D

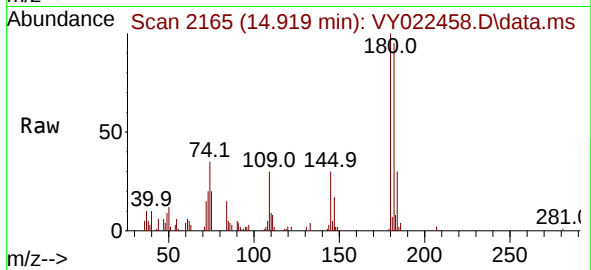
Acq: 29 May 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

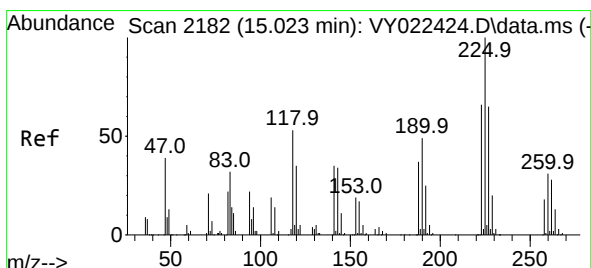
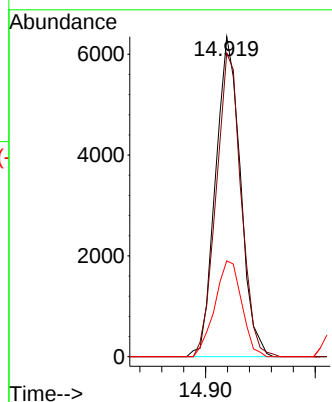
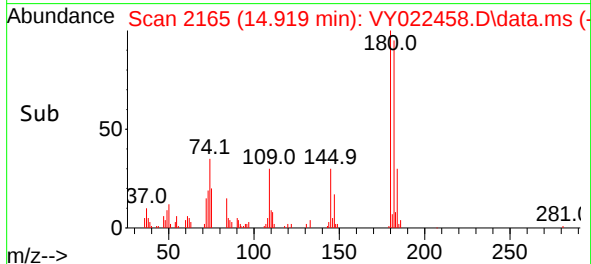


Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	46.2	138.6
145	32.3	14.2	42.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#94

Hexachlorobutadiene

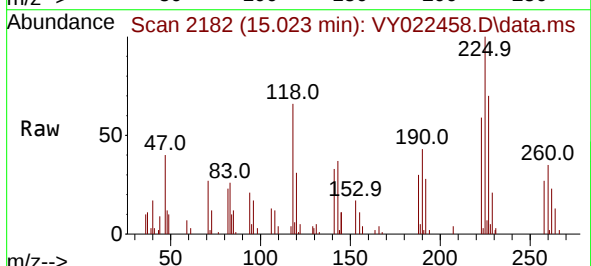
Concen: 6.120 ug/l

RT: 15.023 min Scan# 2182

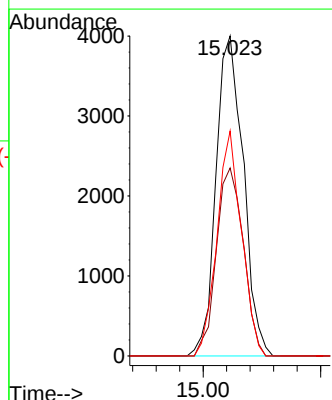
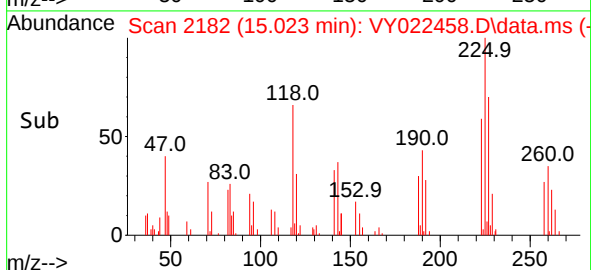
Delta R.T. 0.000 min

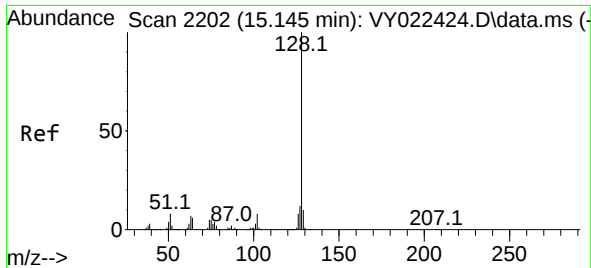
Lab File: VY022458.D

Acq: 29 May 2025 11:38



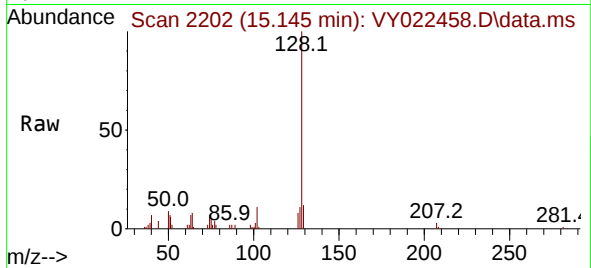
Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.3	32.6	97.7
227	63.0	33.0	99.0





#95
Naphthalene
Concen: 4.302 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

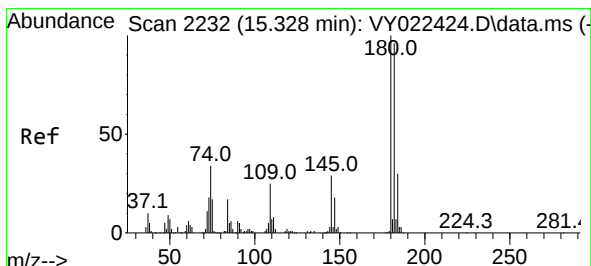
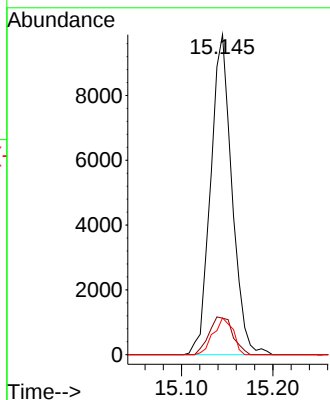
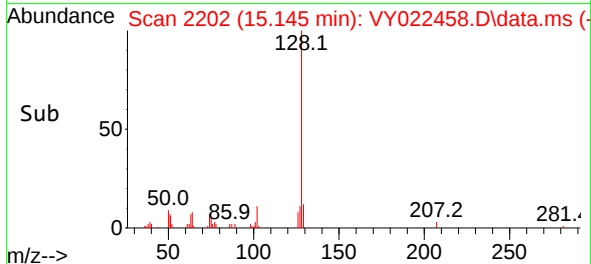
Instrument : MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025



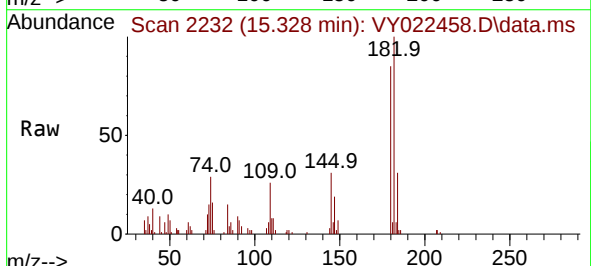
Tgt Ion:128 Resp: 15989
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.4
129 10.6 8.5 12.7

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/30/2025
Supervised By :Semsettin Yesilyurt 05/30/2025



#96
1,2,3-Trichlorobenzene
Concen: 4.977 ug/l
RT: 15.328 min Scan# 2232
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38



Tgt Ion:180 Resp: 8206
Ion Ratio Lower Upper
180 100
182 99.2 48.1 144.3
145 34.3 14.9 44.5

