

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY0211025\
 Data File : VY021153.D
 Acq On : 10 Feb 2025 13:05
 Operator : SY/MD
 Sample : Q1168-03 4PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

Quant Time: Feb 11 00:29:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/11/2025
 Supervised By :Semsettin Yesilyurt 02/11/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	143783	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	228631	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	190868	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	89284	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	77841	52.839	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.680%			
35) Dibromofluoromethane	7.640	113	73766	50.345	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.680%			
50) Toluene-d8	10.109	98	278151	49.864	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.720%			
62) 4-Bromofluorobenzene	12.408	95	90051	49.414	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.820%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	5495	4.288	ug/l	89
3) Chloromethane	2.074	50	4850	3.835	ug/l	93
4) Vinyl Chloride	2.208	62	4869	3.825	ug/l	89
5) Bromomethane	2.598	94	3398	4.319	ug/l	83
6) Chloroethane	2.739	64	2967	3.916	ug/l	100
7) Trichlorofluoromethane	3.068	101	9759	4.209	ug/l	94
8) Diethyl Ether	3.458	74	3038	4.197	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.824	101	6339	4.356	ug/l #	84
10) Methyl Iodide	4.019	142	5671	3.507	ug/l	92
11) Tert butyl alcohol	4.854	59	3177m	31.824	ug/l	
12) 1,1-Dichloroethene	3.793	96	5377	3.922	ug/l	85
13) Acrolein	3.653	56	3062	19.918	ug/l	99
14) Allyl chloride	4.397	41	9303	4.026	ug/l	93
15) Acrylonitrile	5.068	53	6479	21.493	ug/l	97
16) Acetone	3.873	43	5673	24.693	ug/l	96
17) Carbon Disulfide	4.110	76	14881	3.462	ug/l	100
18) Methyl Acetate	4.391	43	3769	4.673	ug/l	96
19) Methyl tert-butyl Ether	5.122	73	14742	4.254	ug/l	95
20) Methylene Chloride	4.629	84	6293	4.406	ug/l	93
21) trans-1,2-Dichloroethene	5.122	96	6037	4.000	ug/l	94
22) Diisopropyl ether	6.025	45	19481	4.091	ug/l	96
23) Vinyl Acetate	5.964	43	49879	18.788	ug/l	98
24) 1,1-Dichloroethane	5.921	63	11572	4.147	ug/l	99
25) 2-Butanone	6.903	43	8423	22.311	ug/l	90
26) 2,2-Dichloropropane	6.890	77	10937	4.236	ug/l #	75
27) cis-1,2-Dichloroethene	6.896	96	7161	4.123	ug/l	92
28) Bromochloromethane	7.256	49	5252	4.760	ug/l #	97
29) Tetrahydrofuran	7.268	42	5704	22.329	ug/l	90
30) Chloroform	7.433	83	12451	4.344	ug/l	98
31) Cyclohexane	7.707	56	12221	4.864	ug/l #	84
32) 1,1,1-Trichloroethane	7.622	97	11900	4.466	ug/l	97
36) 1,1-Dichloropropene	7.841	75	8651	3.986	ug/l	97
37) Ethyl Acetate	6.994	43	4098	4.304	ug/l #	77
38) Carbon Tetrachloride	7.823	117	10867	4.285	ug/l	93
39) Methylcyclohexane	9.110	83	10698	4.030	ug/l	98
40) Benzene	8.085	78	25558	4.013	ug/l	99

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 Supervised By :Semsettin Yesilyurt 02/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	1797	3.263	ug/l #	91
42) 1,2-Dichloroethane	8.158	62	7307	4.136	ug/l	97
43) Isopropyl Acetate	8.201	43	7561	3.997	ug/l	98
44) Trichloroethene	8.872	130	6572	3.994	ug/l	96
45) 1,2-Dichloropropane	9.146	63	6498	4.299	ug/l	99
46) Dibromomethane	9.238	93	3364	4.019	ug/l	94
47) Bromodichloromethane	9.427	83	9737	4.338	ug/l	89
48) Methyl methacrylate	9.225	41	3574	4.148	ug/l	91
49) 1,4-Dioxane	9.238	88	630	80.856	ug/l #	69
51) 4-Methyl-2-Pentanone	10.000	43	18918	19.886	ug/l	96
52) Toluene	10.176	92	16149	4.038	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	7882	3.911	ug/l	93
54) cis-1,3-Dichloropropene	9.859	75	9149	3.834	ug/l #	79
55) 1,1,2-Trichloroethane	10.579	97	4848	4.473	ug/l	93
56) Ethyl methacrylate	10.445	69	5147	3.550	ug/l #	85
57) 1,3-Dichloropropane	10.725	76	7674	4.091	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.719	63	12616	18.289	ug/l	96
59) 2-Hexanone	10.768	43	11587	18.917	ug/l	95
60) Dibromochloromethane	10.914	129	6156	4.044	ug/l	98
61) 1,2-Dibromoethane	11.018	107	4175	4.112	ug/l	99
64) Tetrachloroethene	10.652	164	5898	4.163	ug/l	94
65) Chlorobenzene	11.444	112	17296	4.070	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	6234	4.128	ug/l	96
67) Ethyl Benzene	11.524	91	29976	3.988	ug/l	99
68) m/p-Xylenes	11.633	106	22062	7.845	ug/l	98
69) o-Xylene	11.957	106	10184	3.884	ug/l	97
70) Styrene	11.975	104	16726	3.828	ug/l	99
71) Bromoform	12.133	173	3669	4.364	ug/l #	97
73) Isopropylbenzene	12.255	105	27512	3.945	ug/l	99
74) N-amyl acetate	12.078	43	5423	3.557	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.511	83	5043	4.348	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	3486m	4.304	ug/l	
77) Bromobenzene	12.536	156	6579	4.088	ug/l	93
78) n-propylbenzene	12.597	91	34178	4.114	ug/l	98
79) 2-Chlorotoluene	12.682	91	19456	4.089	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	22718	4.018	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.310	75	1442m	3.633	ug/l	
82) 4-Chlorotoluene	12.780	91	19007	3.920	ug/l	100
83) tert-Butylbenzene	12.999	119	20156	3.922	ug/l	96
84) 1,2,4-Trimethylbenzene	13.048	105	21259	3.845	ug/l	98
85) sec-Butylbenzene	13.176	105	29569	3.997	ug/l	97
86) p-Isopropyltoluene	13.298	119	23920	3.892	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	12963	4.171	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	12708	4.153	ug/l	90
89) n-Butylbenzene	13.621	91	21289	3.797	ug/l	99
90) Hexachloroethane	13.883	117	5521	4.306	ug/l	89
91) 1,2-Dichlorobenzene	13.664	146	11037	4.092	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	717	4.137	ug/l	94
93) 1,2,4-Trichlorobenzene	14.926	180	5413	3.605	ug/l	99
94) Hexachlorobutadiene	15.029	225	4048	4.069	ug/l	96
95) Naphthalene	15.151	128	8050	3.351	ug/l	98
96) 1,2,3-Trichlorobenzene	15.334	180	4694	3.757	ug/l	97

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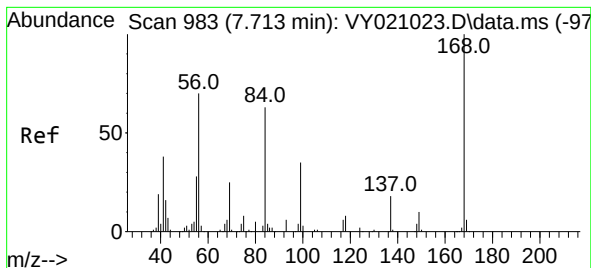
Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025

Quant Time: Feb 11 00:29:42 2025
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Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.713 min Scan# 9

Delta R.T. 0.000 min

Lab File: VY021153.D

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Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion:168 Resp: 14378

Ion Ratio Lower Upper

168 100

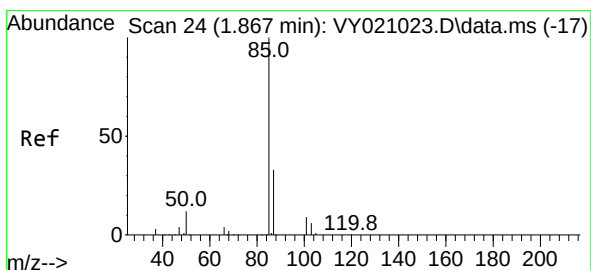
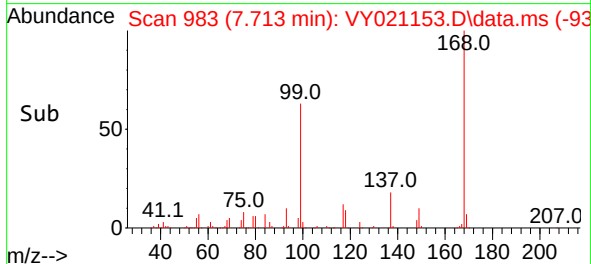
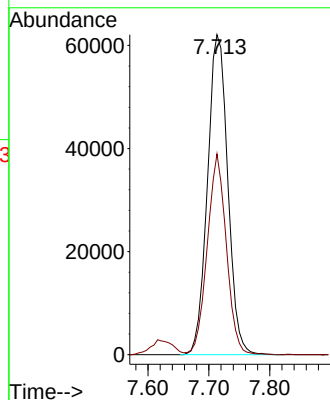
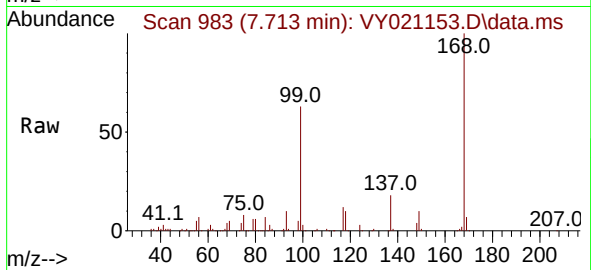
99 62.8 44.2 66.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 02/11/2025

Supervised By :Semsettin Yesilyurt 02/11/2025



#2

Dichlorodifluoromethane

Concen: 4.288 ug/l

RT: 1.867 min Scan# 24

Delta R.T. -0.000 min

Lab File: VY021153.D

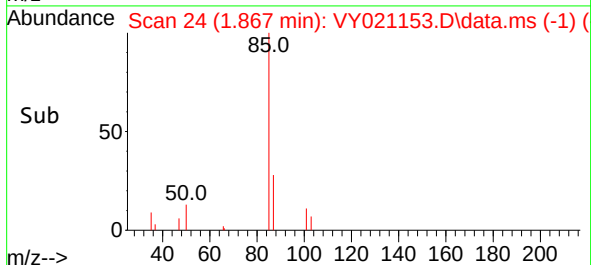
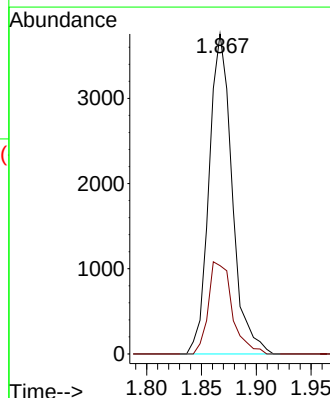
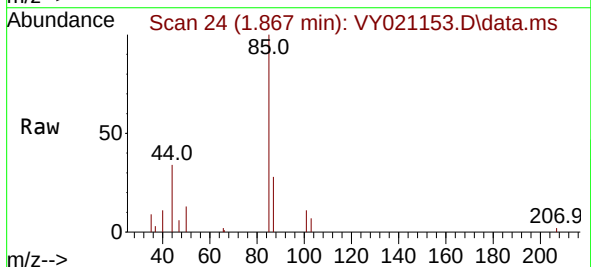
Acq: 10 Feb 2025 13:05

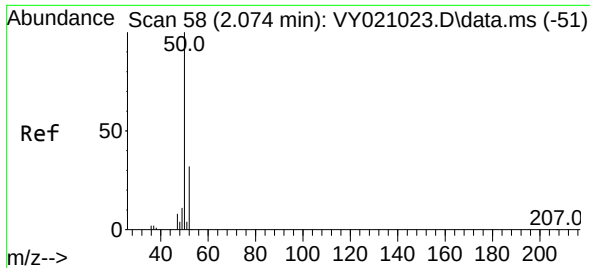
Tgt Ion: 85 Resp: 5495

Ion Ratio Lower Upper

85 100

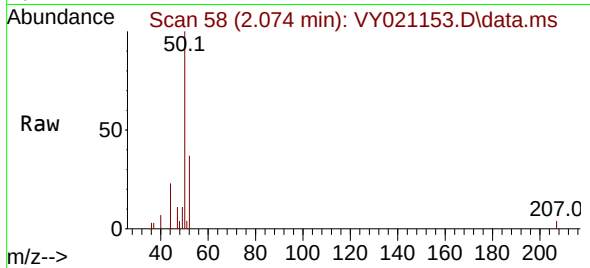
87 27.6 17.1 51.3





#3
Chloromethane
Concen: 3.835 ug/l
RT: 2.074 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

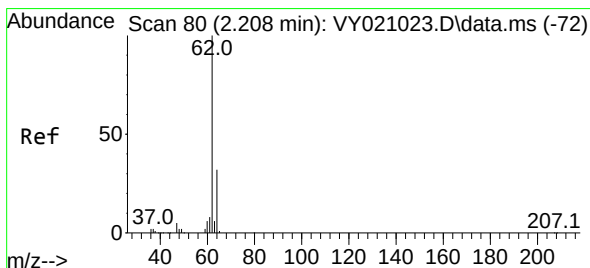
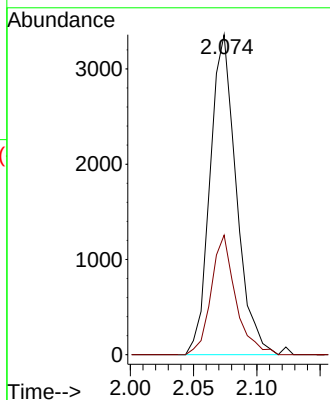
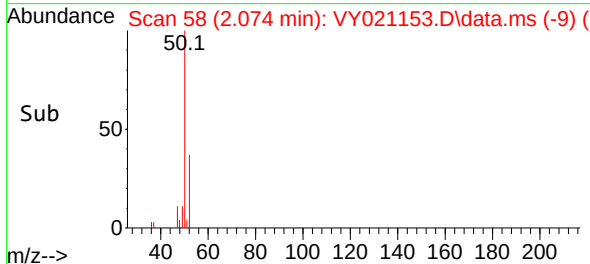
Instrument :
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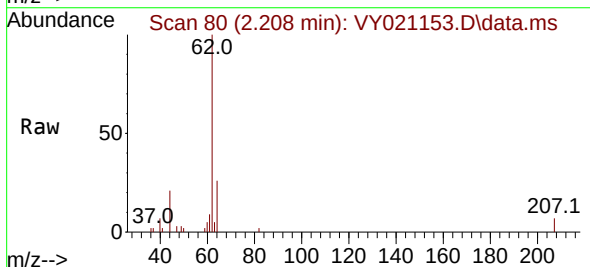
Tgt Ion: 50 Resp: 4850
Ion Ratio Lower Upper
50 100
52 37.4 26.7 40.1

Manual Integrations
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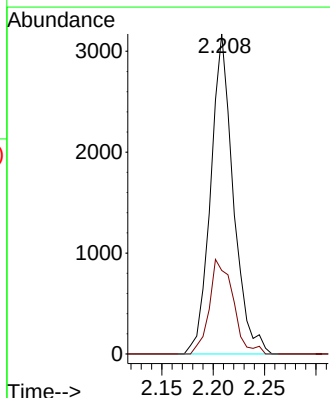
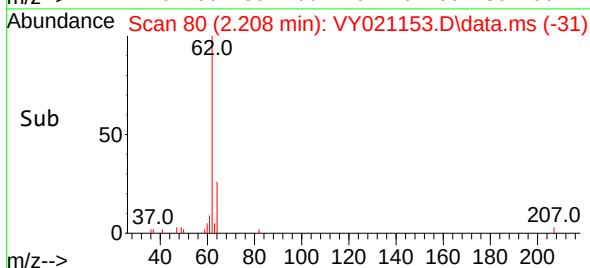
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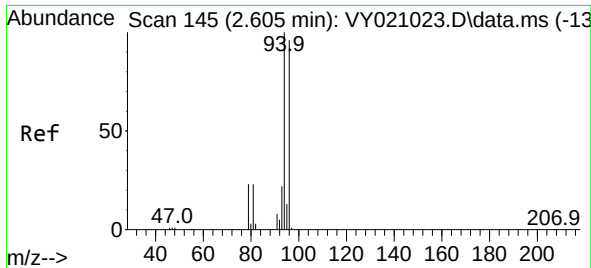


#4
Vinyl Chloride
Concen: 3.825 ug/l
RT: 2.208 min Scan# 80
Delta R.T. -0.000 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05



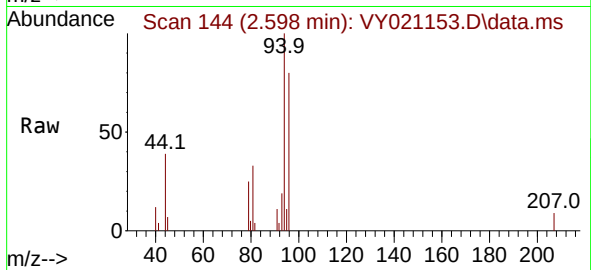
Tgt Ion: 62 Resp: 4869
Ion Ratio Lower Upper
62 100
64 26.1 25.7 38.5





#5
Bromomethane
Concen: 4.319 ug/l
RT: 2.598 min Scan# 145
Delta R.T. -0.006 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

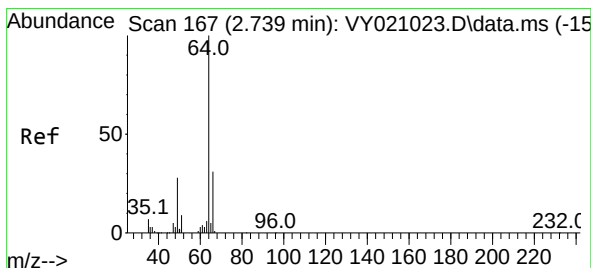
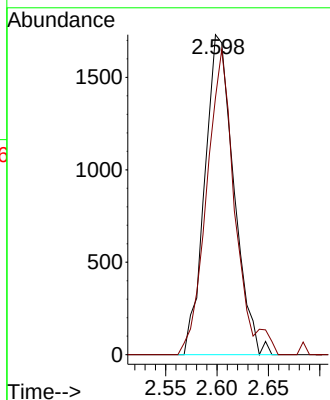
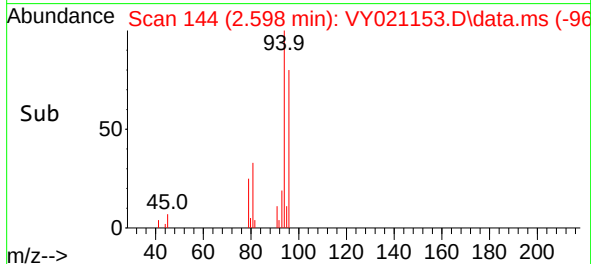
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Tgt Ion: 94 Resp: 3398
Ion Ratio Lower Upper
94 100
96 80.4 77.3 115.9

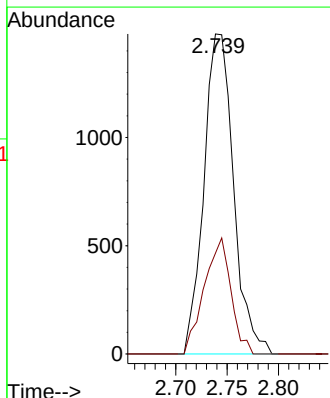
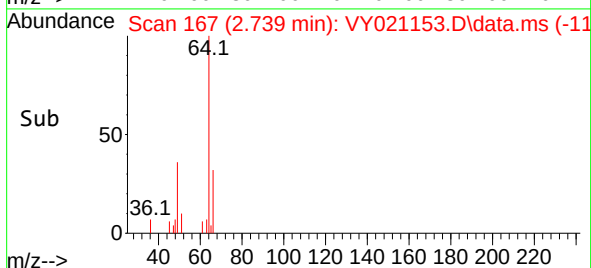
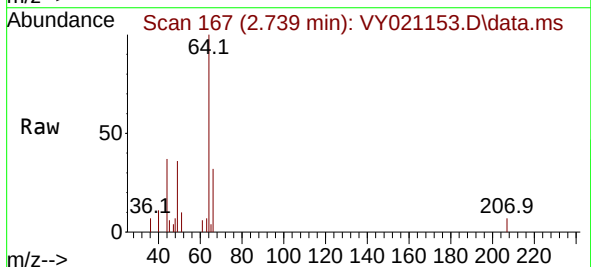
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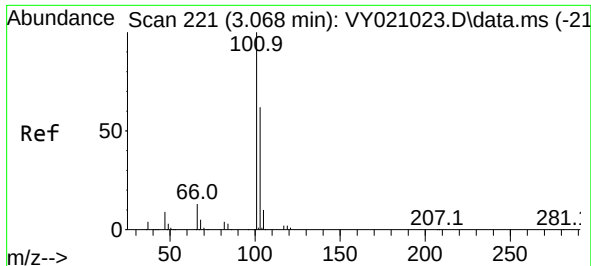
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#6
Chloroethane
Concen: 3.916 ug/l
RT: 2.739 min Scan# 167
Delta R.T. -0.000 min
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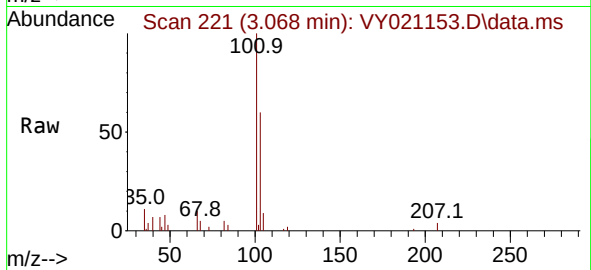
Tgt Ion: 64 Resp: 2967
Ion Ratio Lower Upper
64 100
66 31.5 25.1 37.7





#7
Trichlorofluoromethane
Concen: 4.209 ug/l
RT: 3.068 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY021153.D
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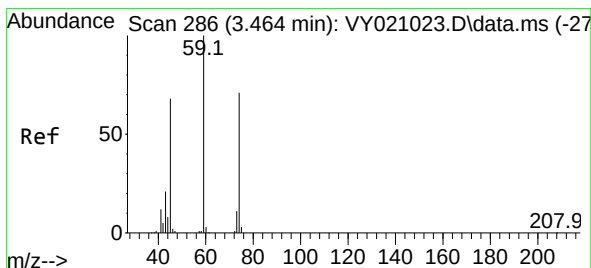
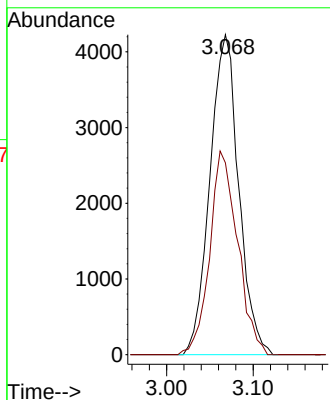
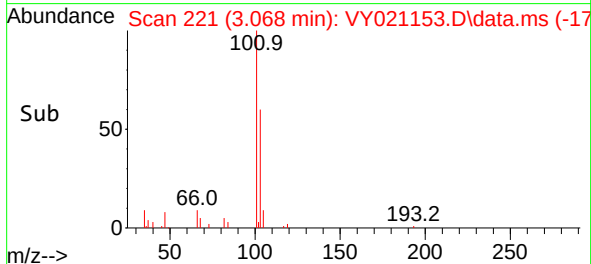
Instrument :
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Tgt Ion:101 Resp: 975
Ion Ratio Lower Upper
101 100
103 60.0 51.9 77.9

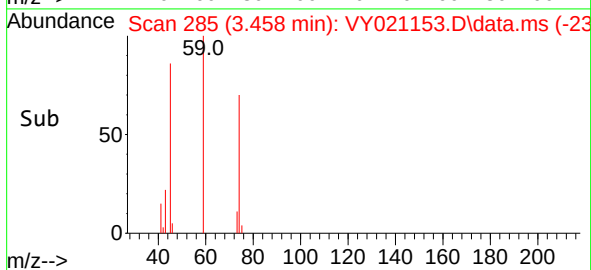
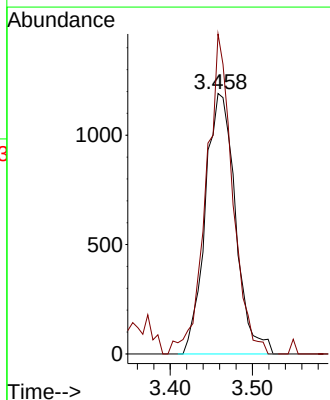
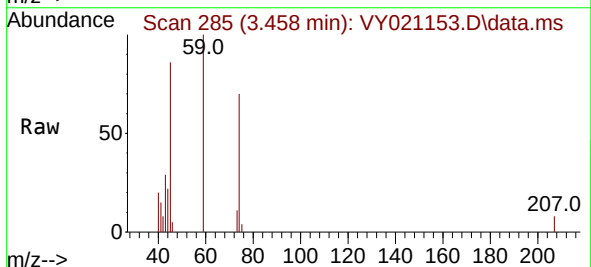
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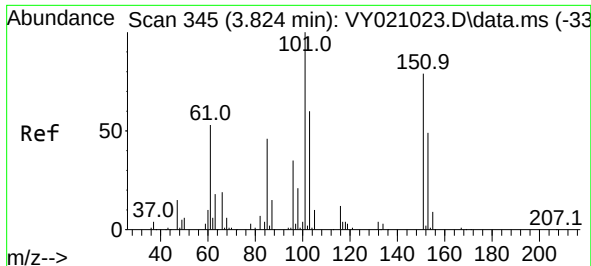
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#8
Diethyl Ether
Concen: 4.197 ug/l
RT: 3.458 min Scan# 285
Delta R.T. -0.006 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

Tgt Ion: 74 Resp: 3038
Ion Ratio Lower Upper
74 100
45 107.4 47.9 143.7





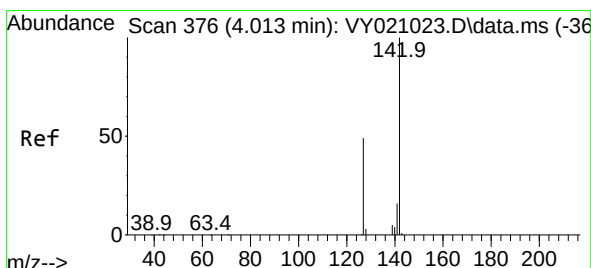
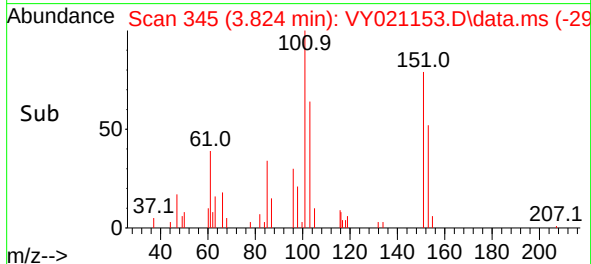
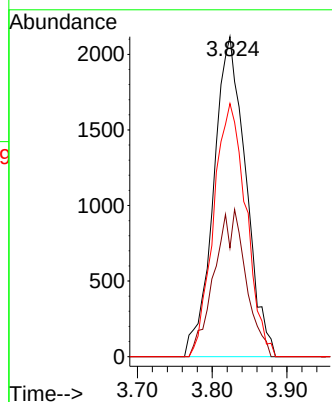
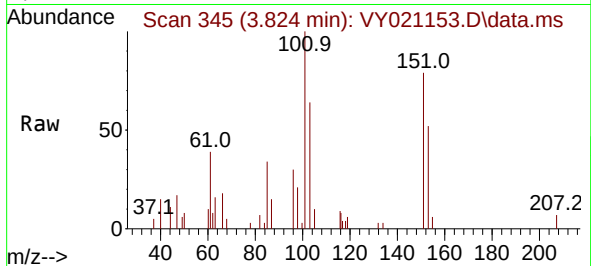
#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.356 ug/l
RT: 3.824 min Scan# 345
Delta R.T. -0.000 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

Tgt Ion:101 Resp: 6339
Ion Ratio Lower Upper
101 100
85 24.7 35.8 53.6
151 79.9 58.6 88.0

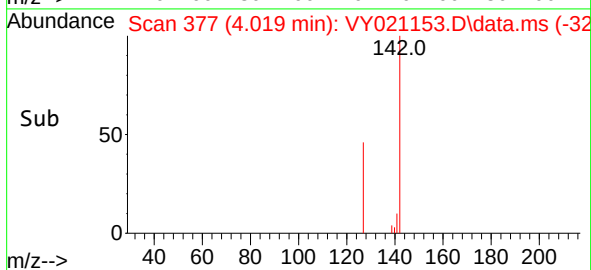
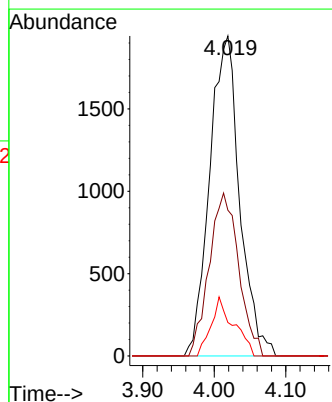
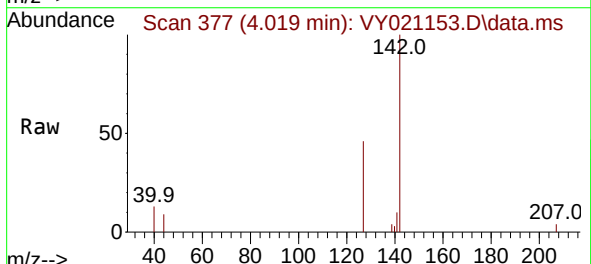
Manual Integrations
APPROVED

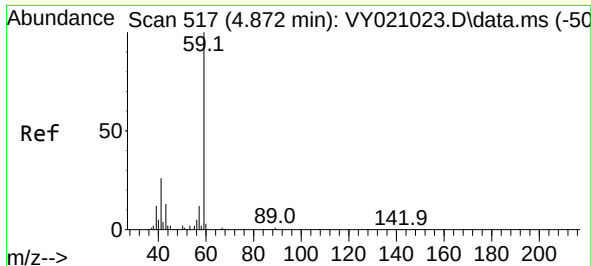
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#10
Methyl Iodide
Concen: 3.507 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.006 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

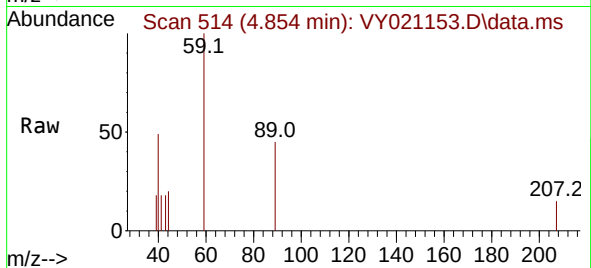
Tgt Ion:142 Resp: 5671
Ion Ratio Lower Upper
142 100
127 50.0 35.1 52.7
141 13.9 11.8 17.6





#11
Tert butyl alcohol
Concen: 31.824 ug/l m
RT: 4.854 min Scan# 517
Delta R.T. -0.018 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

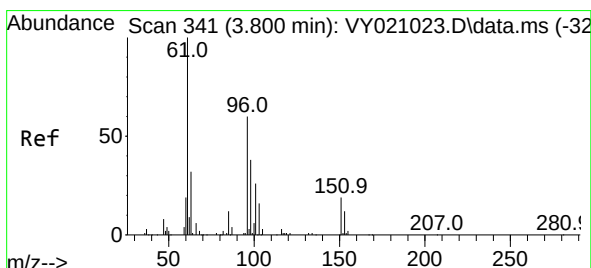
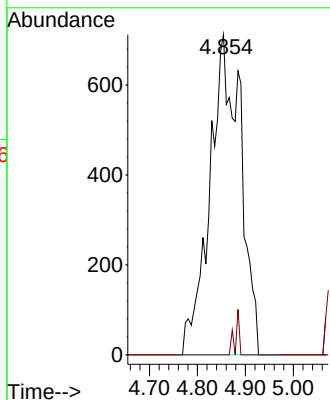
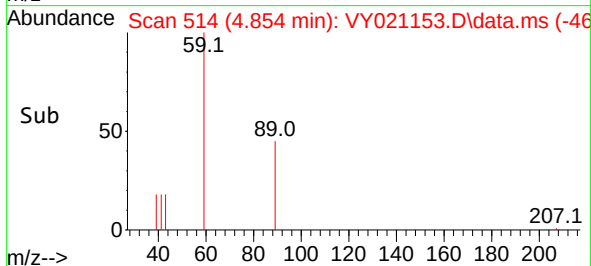
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025



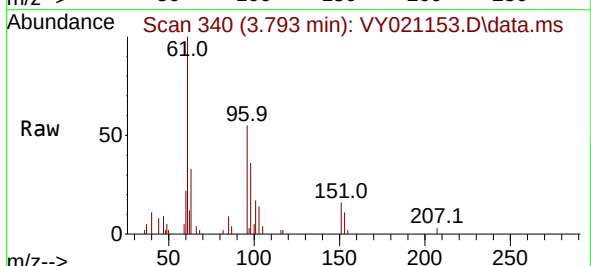
Tgt Ion: 59 Resp: 317
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0

Manual Integrations
APPROVED

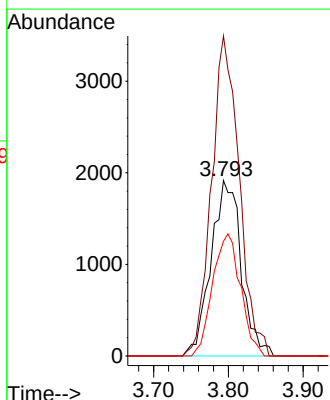
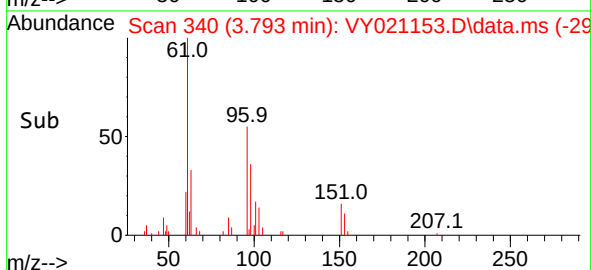
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025

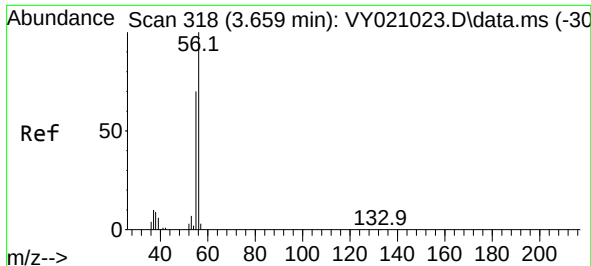


#12
1,1-Dichloroethene
Concen: 3.922 ug/l
RT: 3.793 min Scan# 340
Delta R.T. -0.006 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05



Tgt Ion: 96 Resp: 5377
Ion Ratio Lower Upper
96 100
61 182.4 124.2 186.2
98 65.4 52.6 79.0





#13

Acrolein

Concen: 19.918 ug/l

RT: 3.653 min Scan# 317

Delta R.T. -0.006 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion: 56 Resp: 3062

Ion Ratio Lower Upper

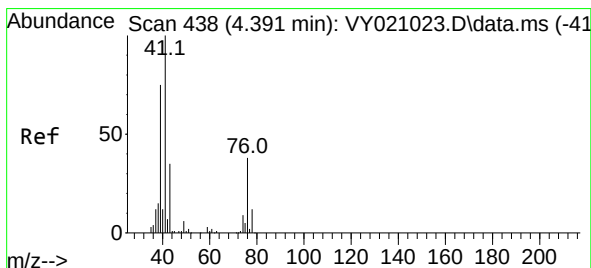
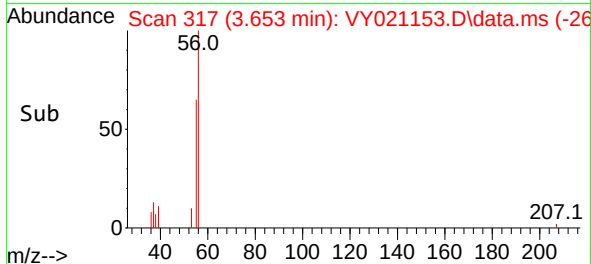
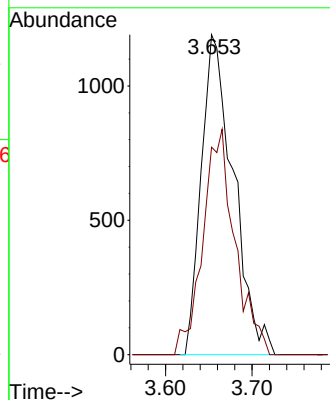
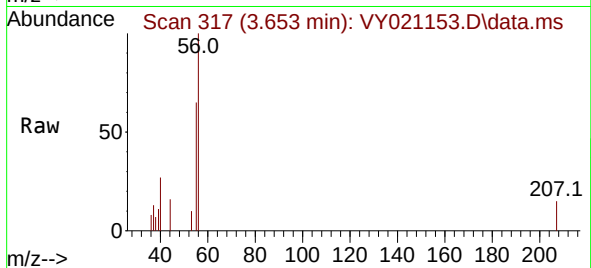
56 100

55 70.2 55.4 83.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#14

Allyl chloride

Concen: 4.026 ug/l

RT: 4.397 min Scan# 439

Delta R.T. 0.006 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

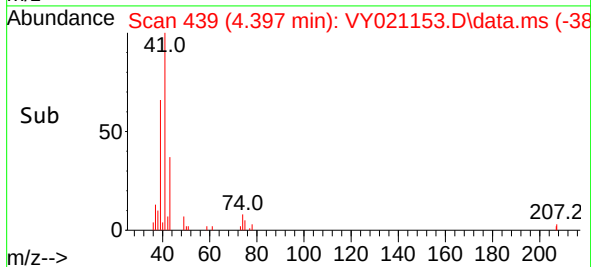
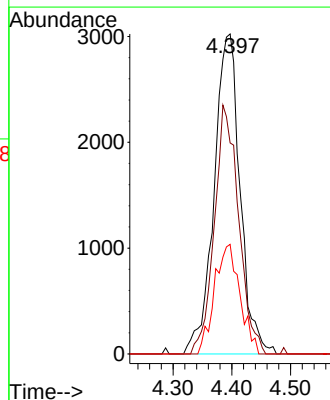
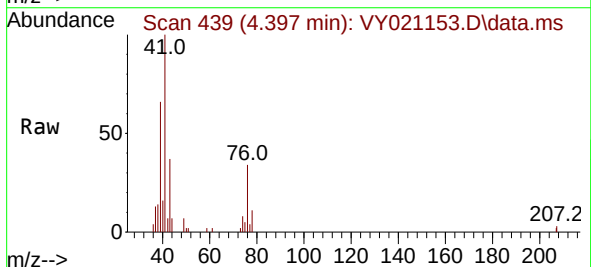
Tgt Ion: 41 Resp: 9303

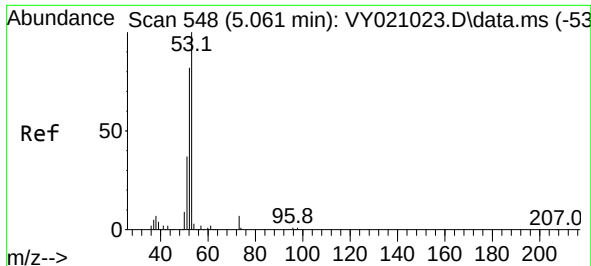
Ion Ratio Lower Upper

41 100

39 72.7 54.7 82.1

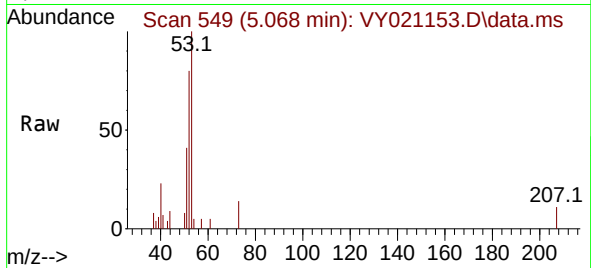
76 33.3 31.8 47.6





#15
Acrylonitrile
Concen: 21.493 ug/l
RT: 5.068 min Scan# 548
Delta R.T. 0.006 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

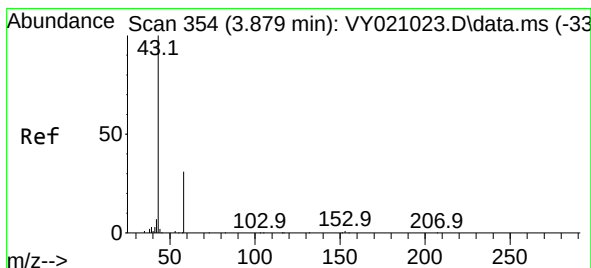
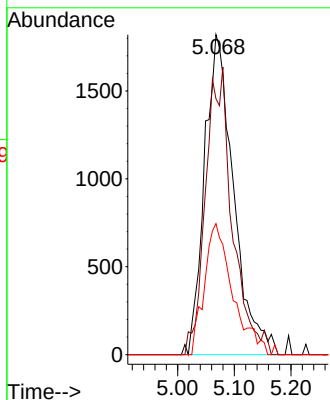
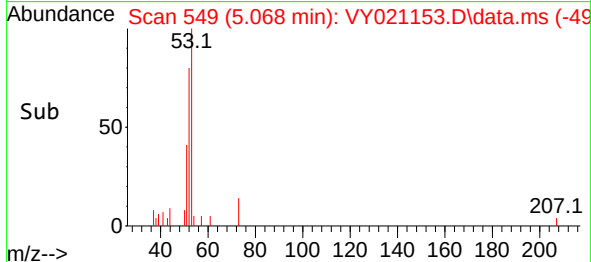
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025



Tgt Ion: 53 Resp: 6479
Ion Ratio Lower Upper
53 100
52 82.7 65.1 97.7
51 39.8 29.0 43.4

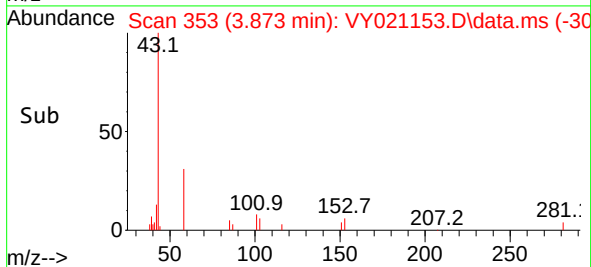
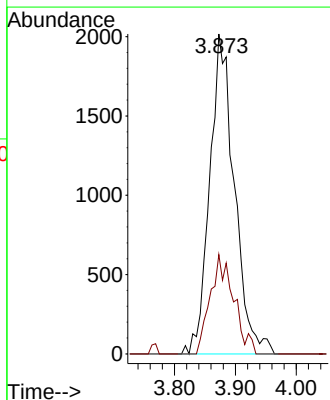
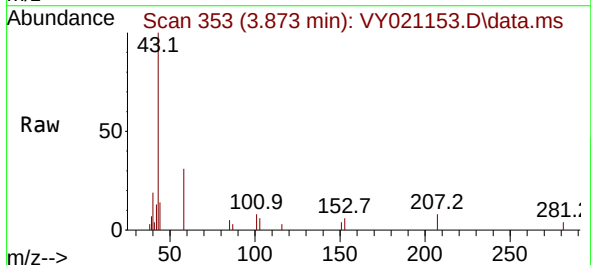
Manual Integrations
APPROVED

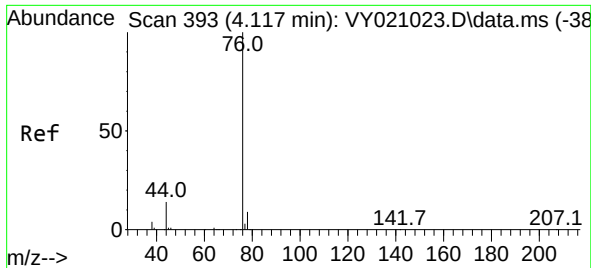
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#16
Acetone
Concen: 24.693 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

Tgt Ion: 43 Resp: 5673
Ion Ratio Lower Upper
43 100
58 31.0 26.6 39.8





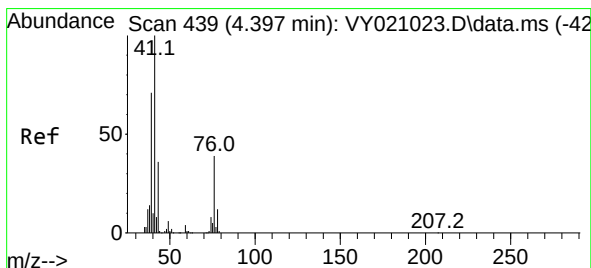
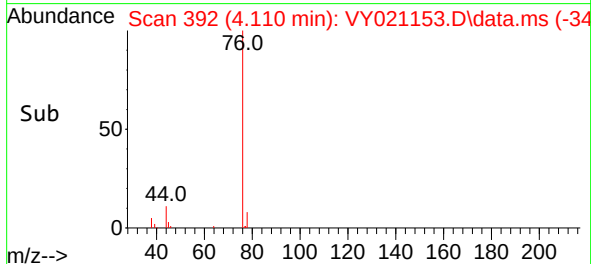
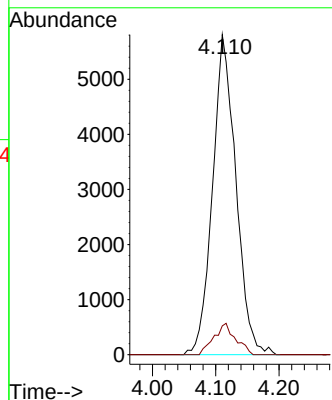
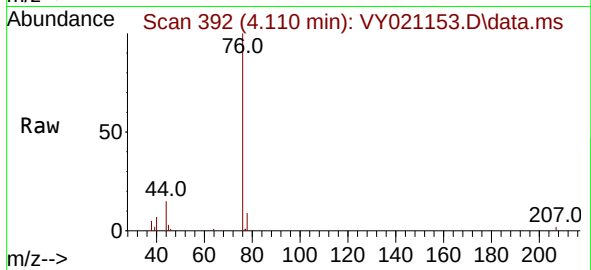
#17
Carbon Disulfide
Concen: 3.462 ug/l
RT: 4.110 min Scan# 391
Delta R.T. -0.006 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

Tgt Ion: 76 Resp: 1488
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0

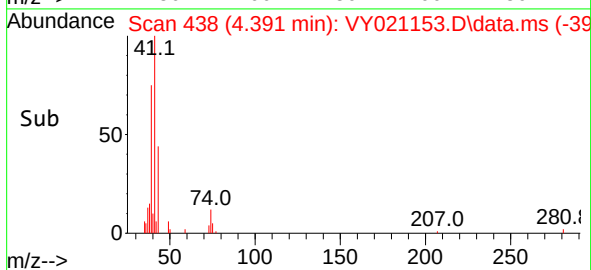
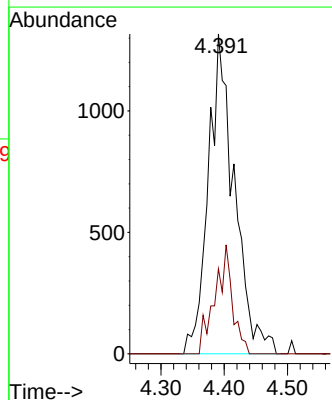
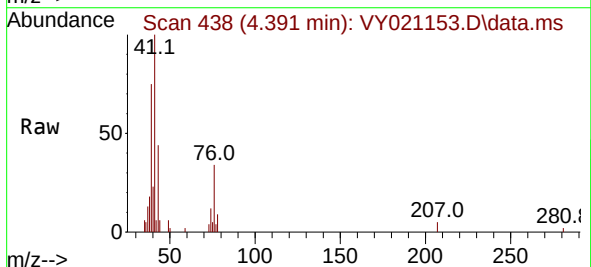
Manual Integrations
APPROVED

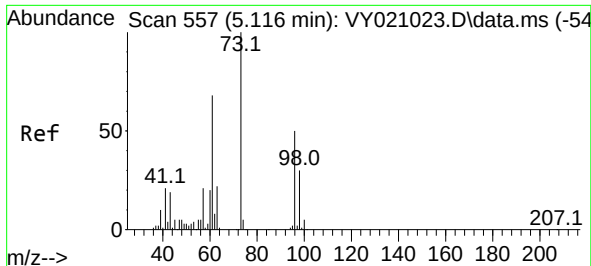
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#18
Methyl Acetate
Concen: 4.673 ug/l
RT: 4.391 min Scan# 438
Delta R.T. -0.006 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

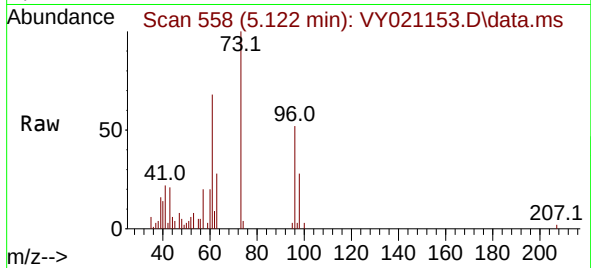
Tgt Ion: 43 Resp: 3769
Ion Ratio Lower Upper
43 100
74 22.9 19.8 29.6





#19
Methyl tert-butyl Ether
Concen: 4.254 ug/l
RT: 5.122 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

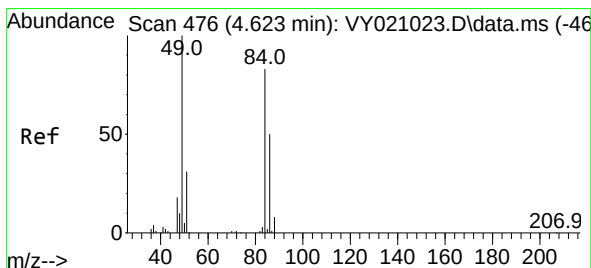
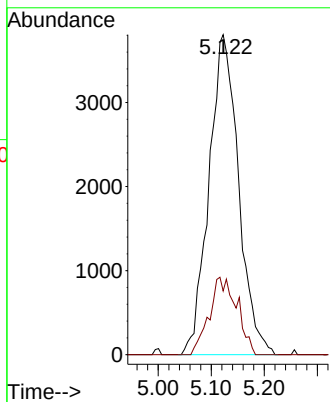
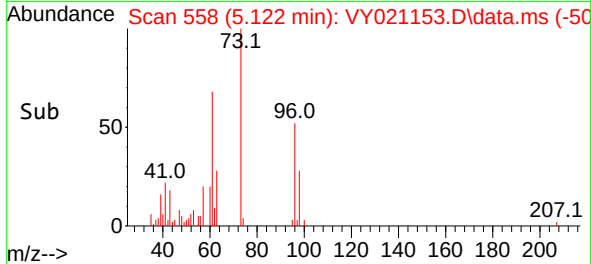
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025



Tgt Ion: 73 Resp: 1474
Ion Ratio Lower Upper
73 100
57 19.9 17.7 26.5

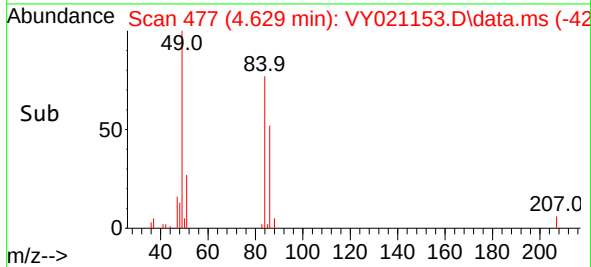
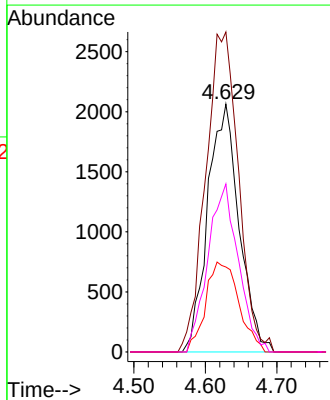
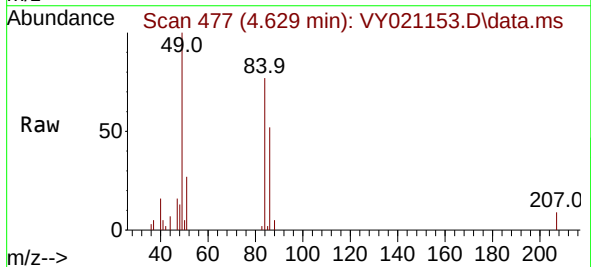
Manual Integrations
APPROVED

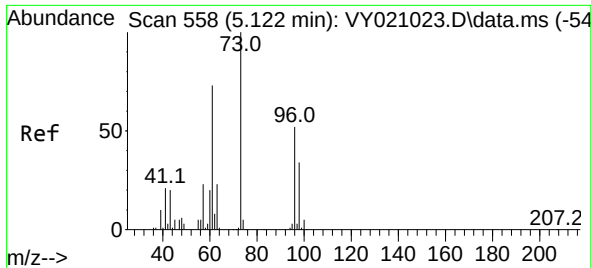
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#20
Methylene Chloride
Concen: 4.406 ug/l
RT: 4.629 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

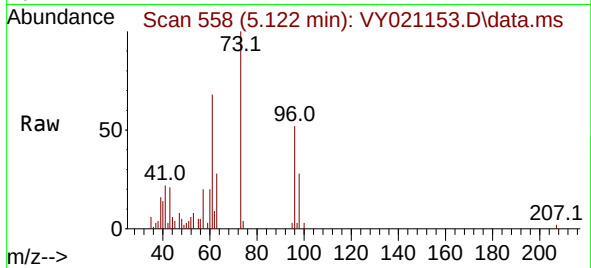
Tgt Ion: 84 Resp: 6293
Ion Ratio Lower Upper
84 100
49 129.1 95.2 142.8
51 34.3 29.9 44.9
86 67.8 52.2 78.4





#21
trans-1,2-Dichloroethene
Concen: 4.000 ug/l
RT: 5.122 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

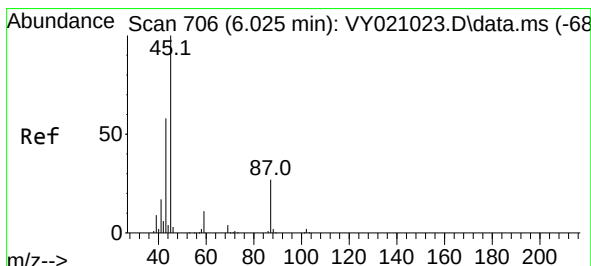
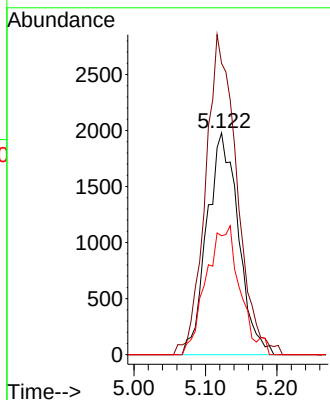
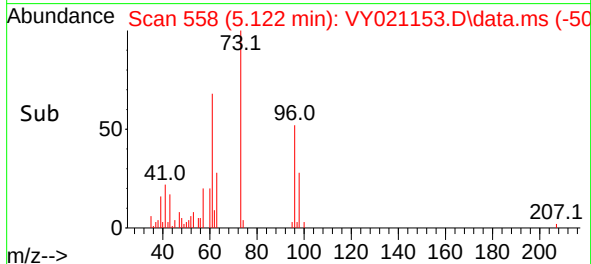
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025



Tgt Ion: 96 Resp: 603
Ion Ratio Lower Upper
96 100
61 127.2 104.6 156.8
98 53.6 50.9 76.3

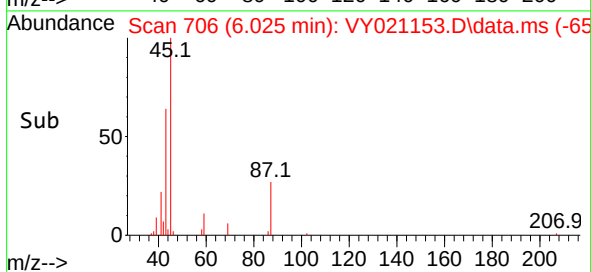
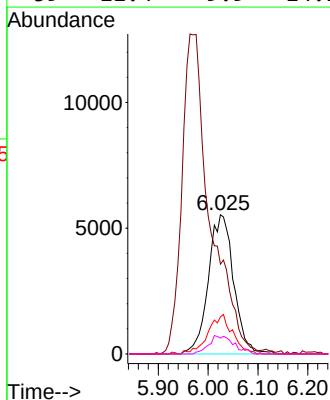
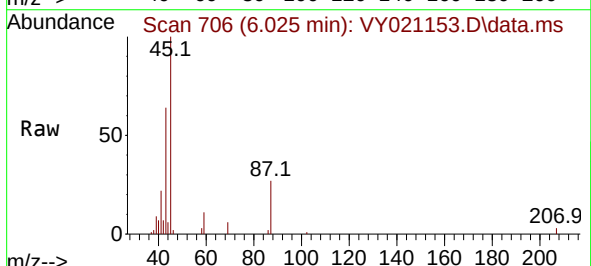
Manual Integrations
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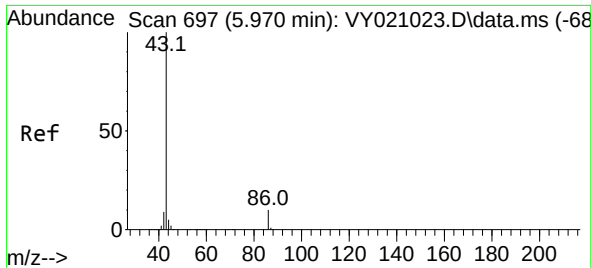
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#22
Diisopropyl ether
Concen: 4.091 ug/l
RT: 6.025 min Scan# 706
Delta R.T. -0.000 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

Tgt Ion: 45 Resp: 19481
Ion Ratio Lower Upper
45 100
43 62.8 46.8 70.2
87 26.6 22.2 33.2
59 11.4 9.9 14.9





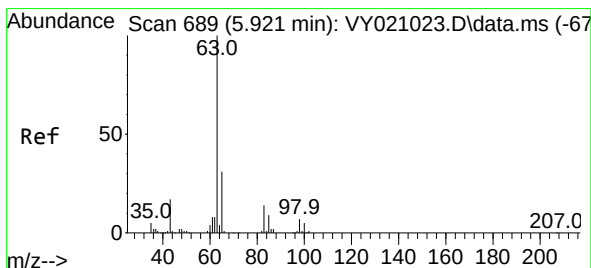
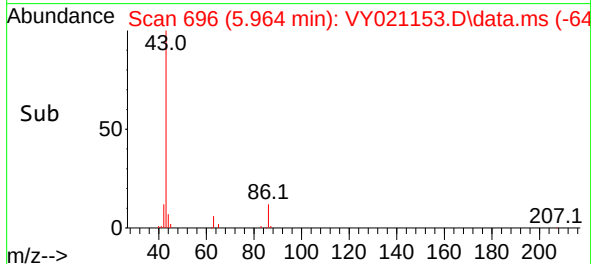
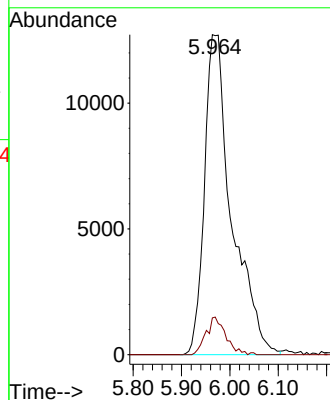
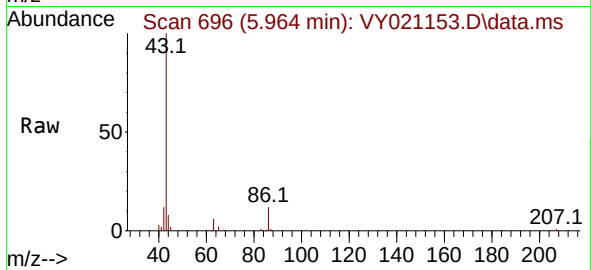
#23
 Vinyl Acetate
 Concen: 18.788 ug/l
 RT: 5.964 min Scan# 697
 Delta R.T. -0.006 min
 Lab File: VY021153.D
 Acq: 10 Feb 2025 13:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

Tgt Ion: 43 Resp: 49879
 Ion Ratio Lower Upper
 43 100
 86 11.5 8.6 13.0

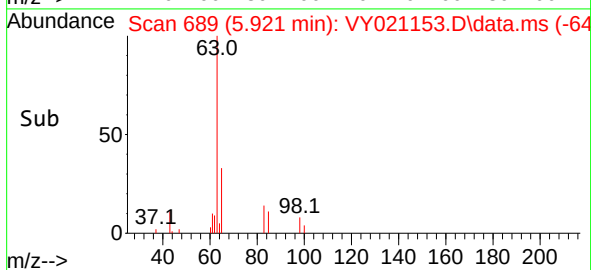
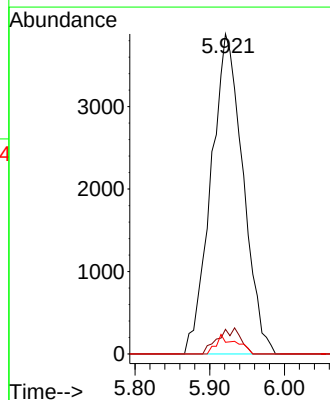
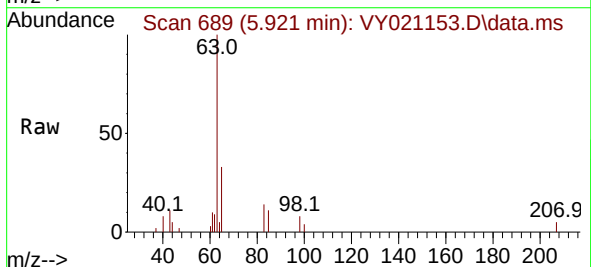
Manual Integrations
 APPROVED

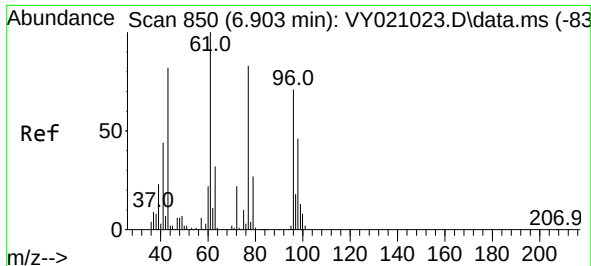
Reviewed By :Mahesh Dadoda 02/11/2025
 Supervised By :Semsettin Yesilyurt 02/11/2025



#24
 1,1-Dichloroethane
 Concen: 4.147 ug/l
 RT: 5.921 min Scan# 689
 Delta R.T. -0.000 min
 Lab File: VY021153.D
 Acq: 10 Feb 2025 13:05

Tgt Ion: 63 Resp: 11572
 Ion Ratio Lower Upper
 63 100
 98 7.7 3.8 11.4
 100 3.7 2.1 6.2





#25

2-Butanone

Concen: 22.311 ug/l

RT: 6.903 min Scan# 850

Delta R.T. -0.000 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion: 43 Resp: 842

Ion Ratio Lower Upper

43 100

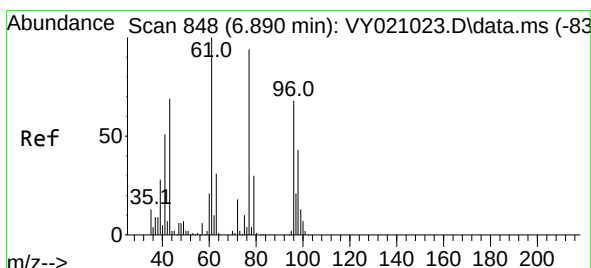
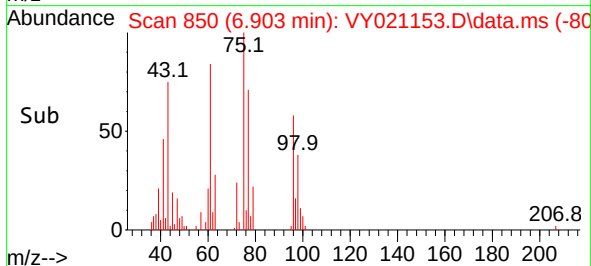
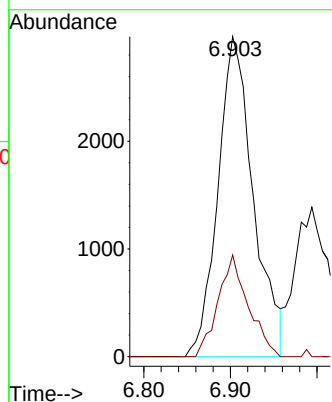
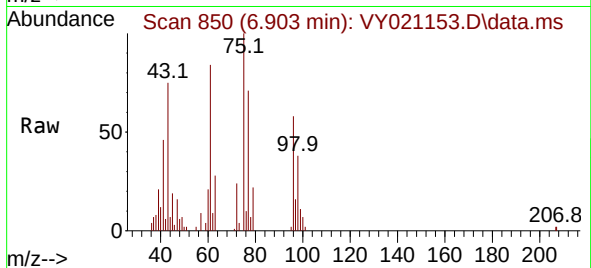
72 31.8 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/11/2025

Supervised By :Semsettin Yesilyurt 02/11/2025



#26

2,2-Dichloropropane

Concen: 4.236 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY021153.D

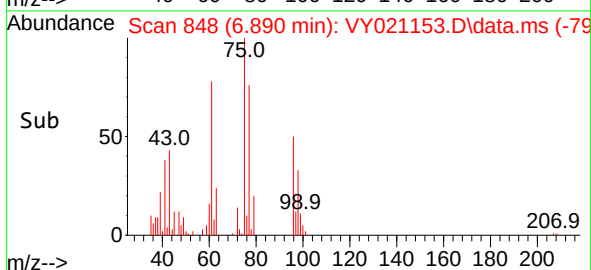
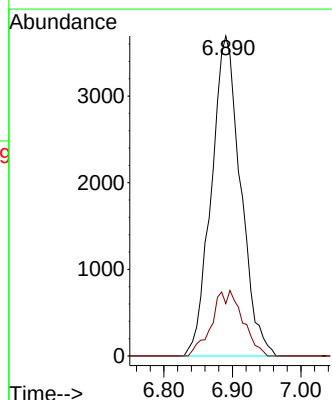
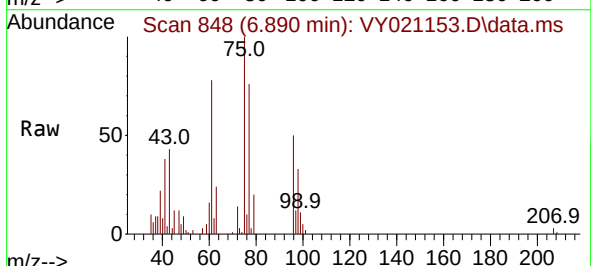
Acq: 10 Feb 2025 13:05

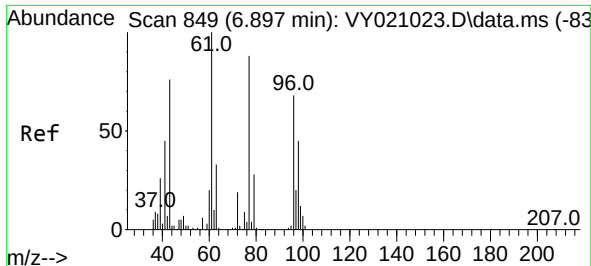
Tgt Ion: 77 Resp: 10937

Ion Ratio Lower Upper

77 100

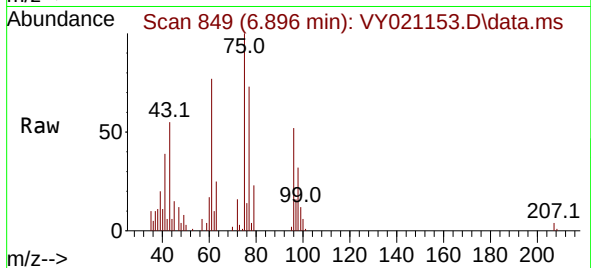
97 11.0 11.7 35.0#





#27
 cis-1,2-Dichloroethene
 Concen: 4.123 ug/l
 RT: 6.896 min Scan# 849
 Delta R.T. -0.000 min
 Lab File: VY021153.D
 Acq: 10 Feb 2025 13:05

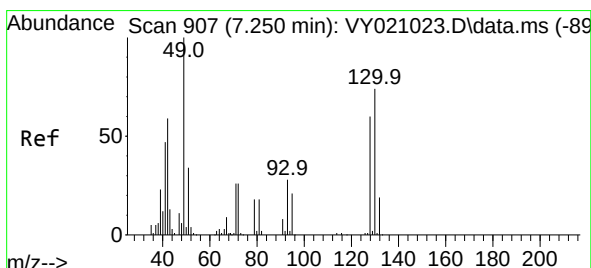
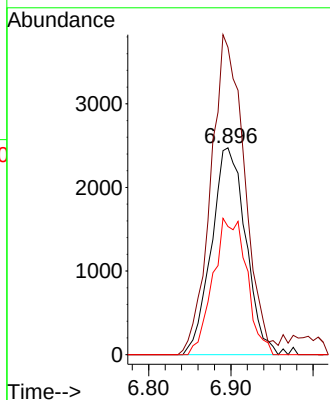
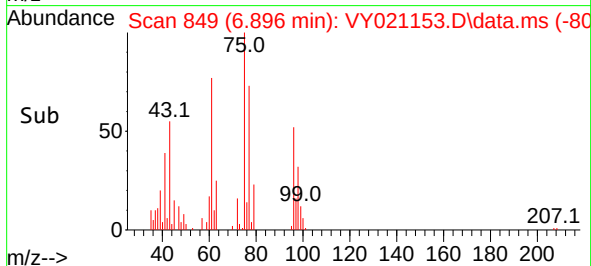
Instrument : MSVOA_Y
 ClientSampleId : MDL-SOIL-03-QT1-2025



Tgt Ion: 96 Resp: 716
 Ion Ratio Lower Upper
 96 100
 61 152.7 0.0 278.8
 98 64.9 0.0 127.0

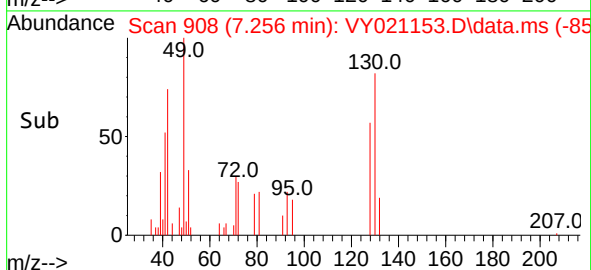
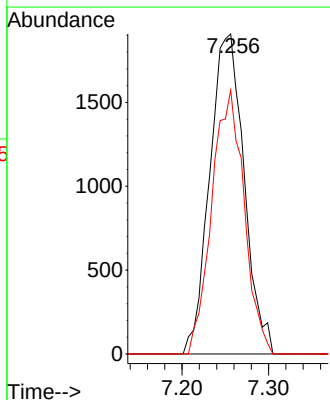
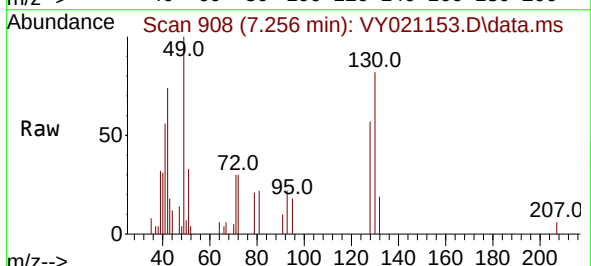
Manual Integrations
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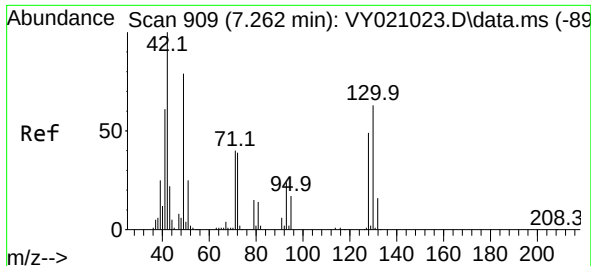
Reviewed By :Mahesh Dadoda 02/11/2025
 Supervised By :Semsettin Yesilyurt 02/11/2025



#28
 Bromochloromethane
 Concen: 4.760 ug/l
 RT: 7.256 min Scan# 908
 Delta R.T. 0.006 min
 Lab File: VY021153.D
 Acq: 10 Feb 2025 13:05

Tgt Ion: 49 Resp: 5252
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.8
 130 77.4 59.8 89.8





#29

Tetrahydrofuran

Concen: 22.329 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.006 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

Instrument :

MSVOA_Y

ClientSampleId :

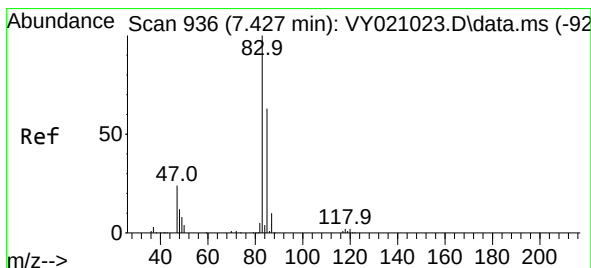
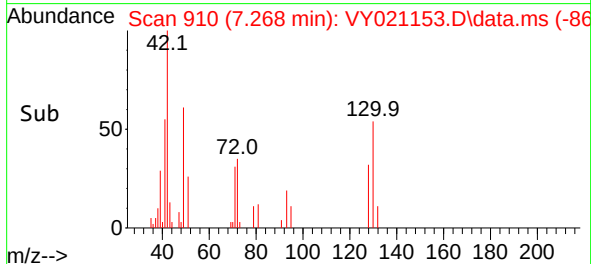
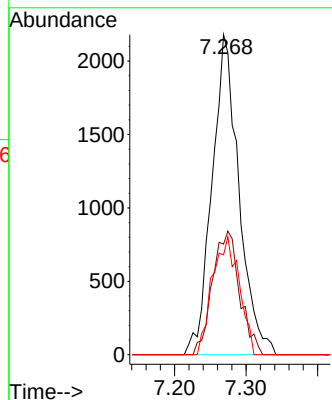
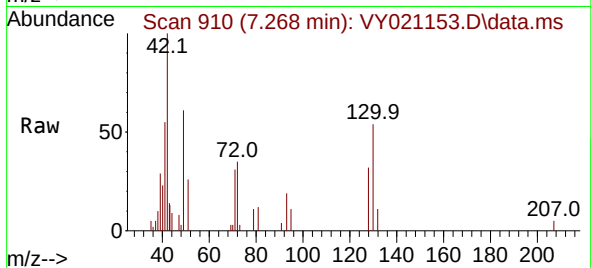
MDL-SOIL-03-QT1-2025

Tgt Ion: 42	Resp: 5704
Ion Ratio	Lower Upper
42 100	
72 39.0	36.6 54.8
71 36.6	33.8 50.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#30

Chloroform

Concen: 4.344 ug/l

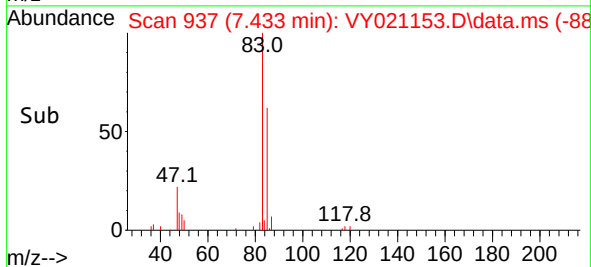
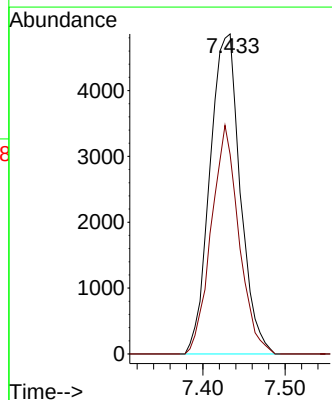
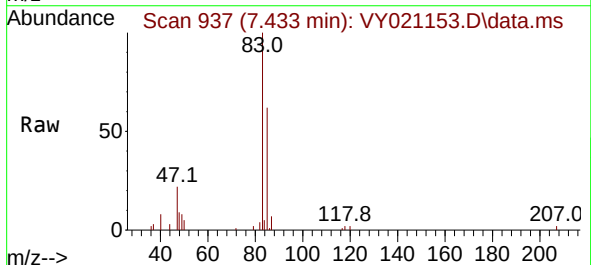
RT: 7.433 min Scan# 937

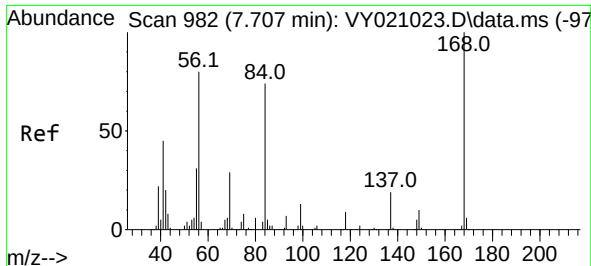
Delta R.T. 0.006 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

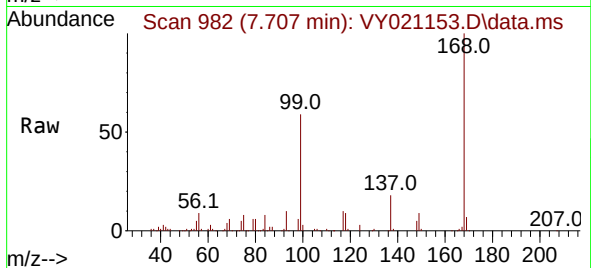
Tgt Ion: 83	Resp: 12451
Ion Ratio	Lower Upper
83 100	
85 62.3	51.2 76.8





#31
Cyclohexane
Concen: 4.864 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

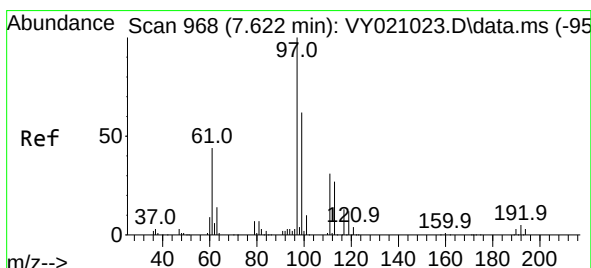
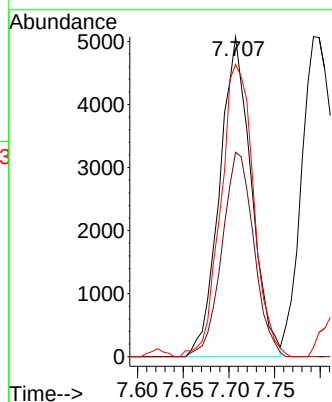
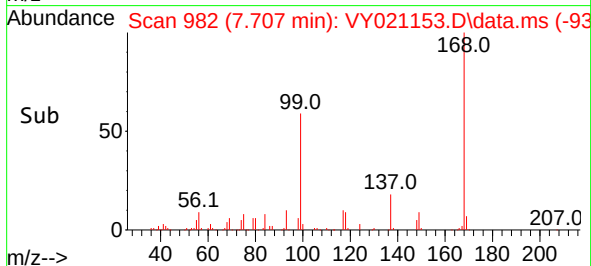
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025



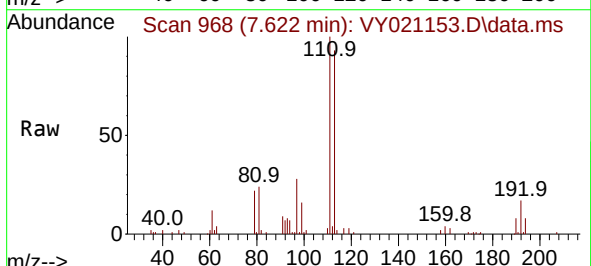
Tgt Ion: 56 Resp: 1222
Ion Ratio Lower Upper
56 100
69 64.0 27.0 40.6
84 91.5 71.8 107.6

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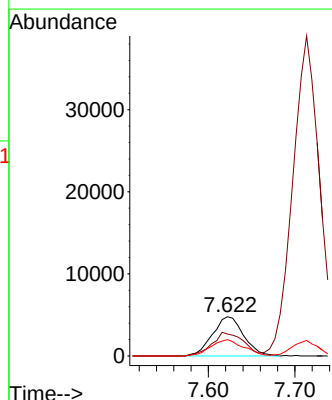
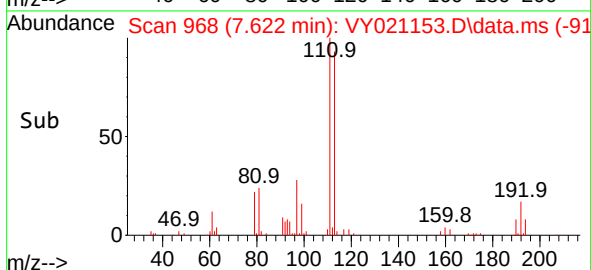
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025

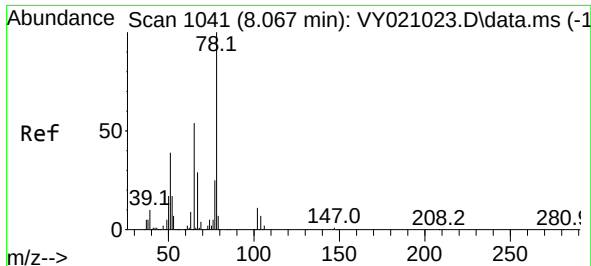


#32
1,1,1-Trichloroethane
Concen: 4.466 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05



Tgt Ion: 97 Resp: 11900
Ion Ratio Lower Upper
97 100
99 60.6 51.2 76.8
61 43.7 35.0 52.6





#33

1,2-Dichloroethane-d4

Concen: 52.839 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion: 65 Resp: 7784

Ion Ratio Lower Upper

65 100

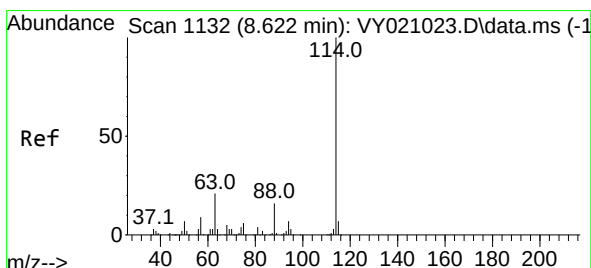
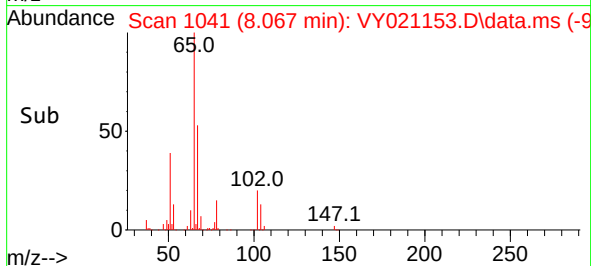
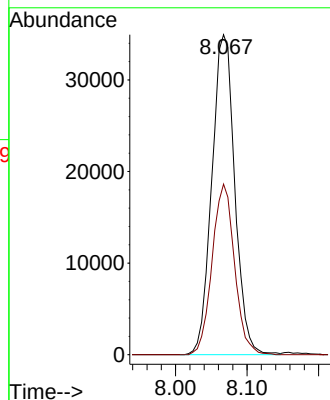
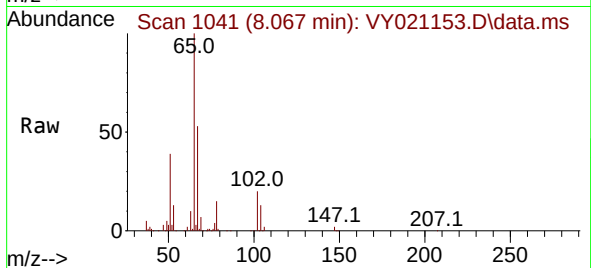
67 52.0 0.0 109.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/11/2025

Supervised By :Semsettin Yesilyurt 02/11/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

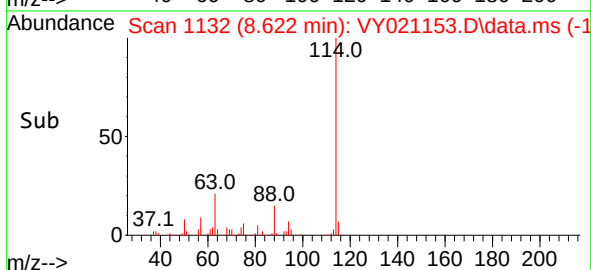
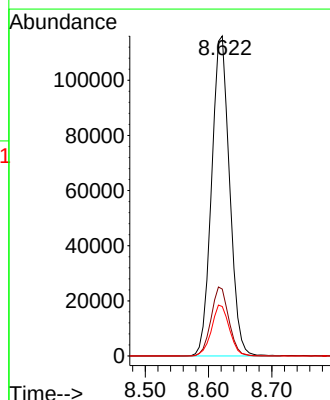
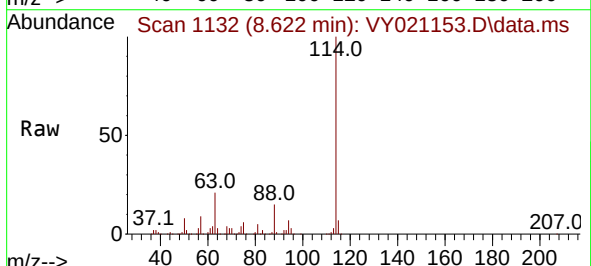
Tgt Ion:114 Resp: 228631

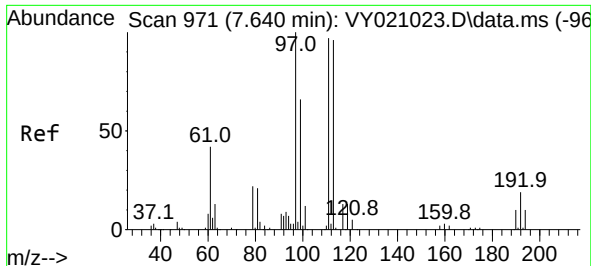
Ion Ratio Lower Upper

114 100

63 20.9 0.0 37.4

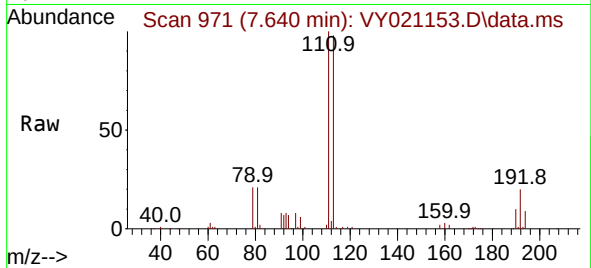
88 15.4 0.0 29.0





#35
Dibromofluoromethane
Concen: 50.345 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

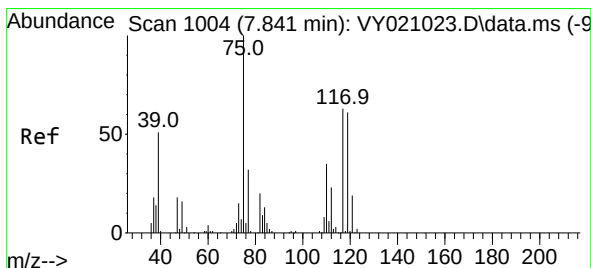
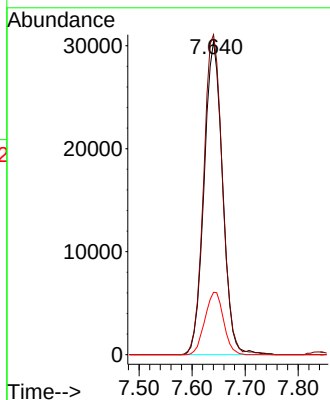
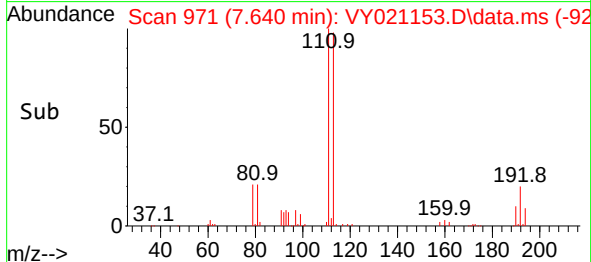
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025



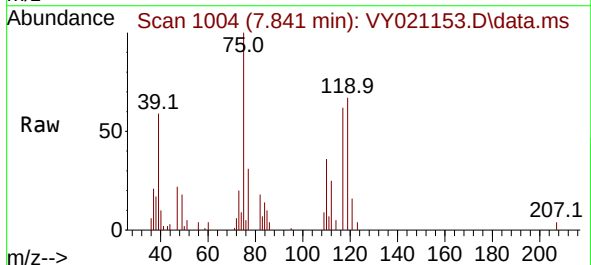
Tgt Ion: 113 Resp: 7376
Ion Ratio Lower Upper
113 100
111 103.8 83.8 125.6
192 20.1 14.5 21.7

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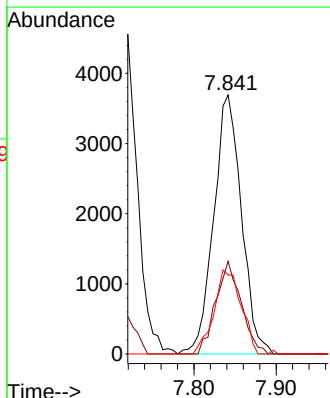
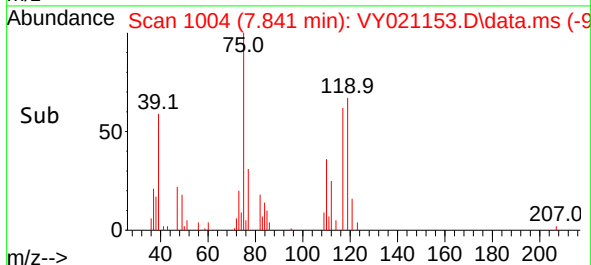
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025

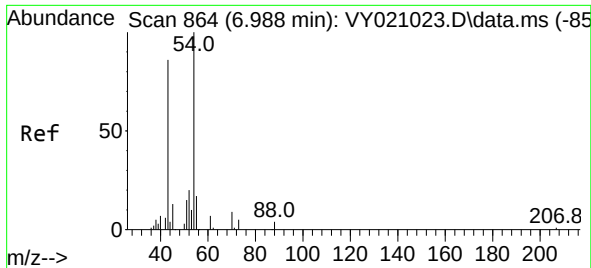


#36
1,1-Dichloropropene
Concen: 3.986 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05



Tgt Ion: 75 Resp: 8651
Ion Ratio Lower Upper
75 100
110 32.7 17.4 52.3
77 31.8 24.7 37.1





#37

Ethyl Acetate

Concen: 4.304 ug/l

RT: 6.994 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY021153.D

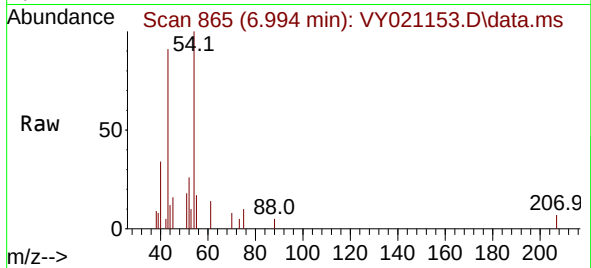
Acq: 10 Feb 2025 13:05

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

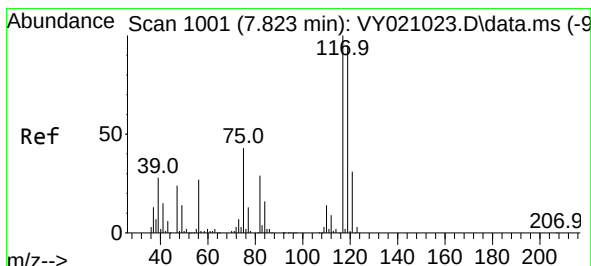
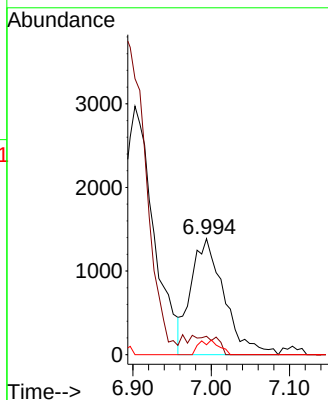
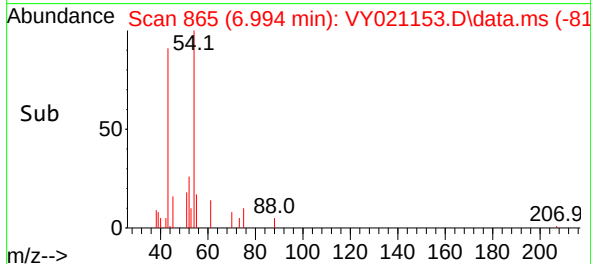


Tgt Ion:	43	Resp:	4098
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.0	16.6
70	7.5	8.1	12.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#38

Carbon Tetrachloride

Concen: 4.285 ug/l

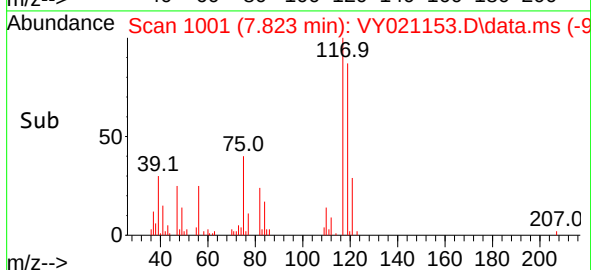
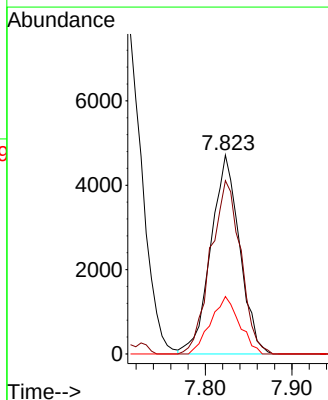
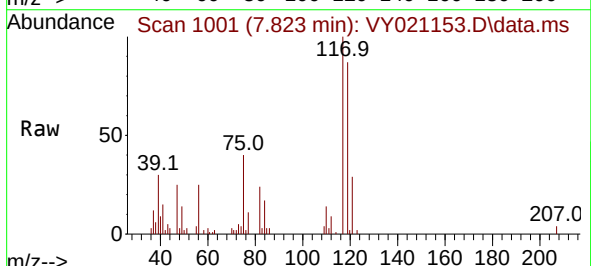
RT: 7.823 min Scan# 1001

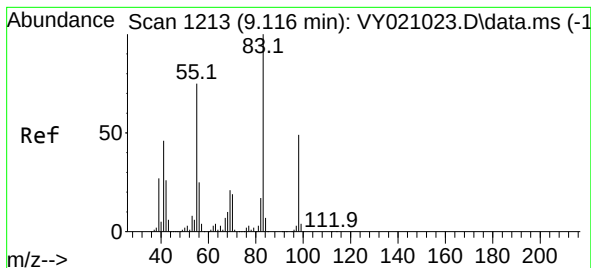
Delta R.T. -0.000 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

Tgt Ion:	117	Resp:	10867
Ion	Ratio	Lower	Upper
117	100		
119	87.1	76.0	114.0
121	28.9	24.2	36.2





#39

Methylcyclohexane

Concen: 4.030 ug/l

RT: 9.110 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

Instrument :

MSVOA_Y

ClientSampleId :

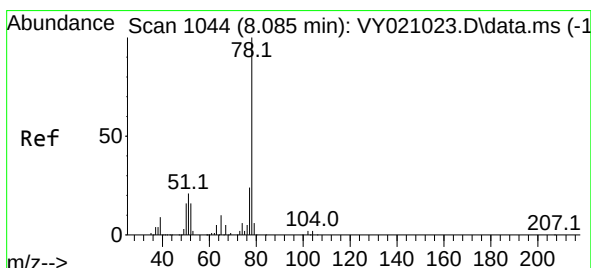
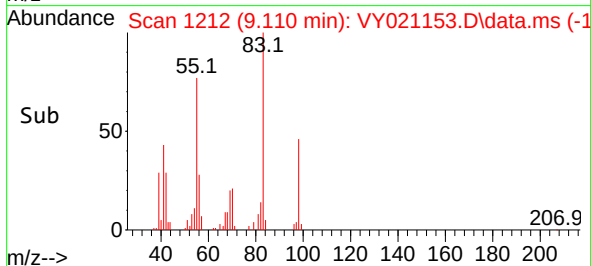
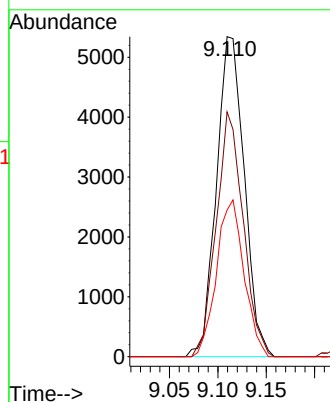
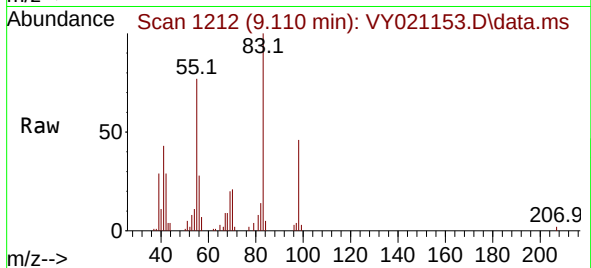
MDL-SOIL-03-QT1-2025

Tgt Ion:	83	Resp:	1069
Ion	Ratio	Lower	Upper
83	100		
55	76.5	59.7	89.5
98	45.8	38.0	57.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#40

Benzene

Concen: 4.013 ug/l

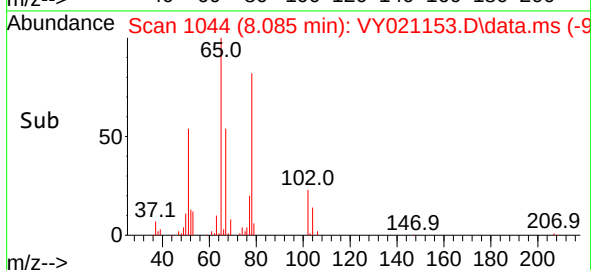
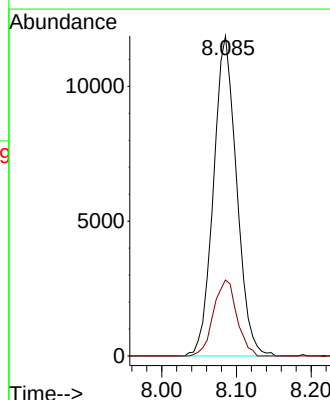
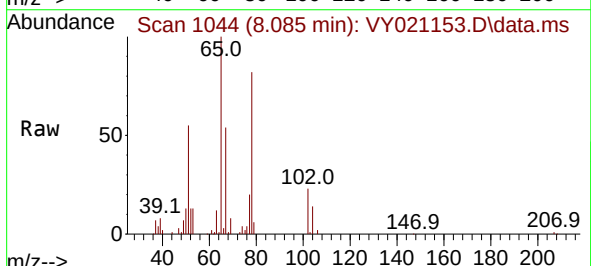
RT: 8.085 min Scan# 1044

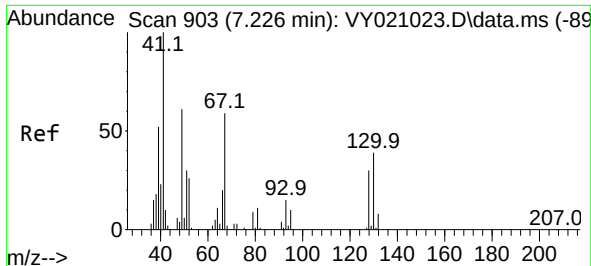
Delta R.T. -0.000 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

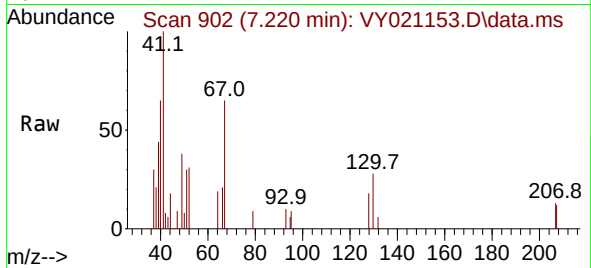
Tgt Ion:	78	Resp:	25558
Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2





#41
Methacrylonitrile
Concen: 3.263 ug/l
RT: 7.220 min Scan# 903
Delta R.T. -0.006 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

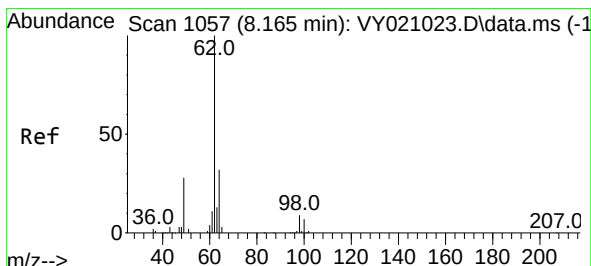
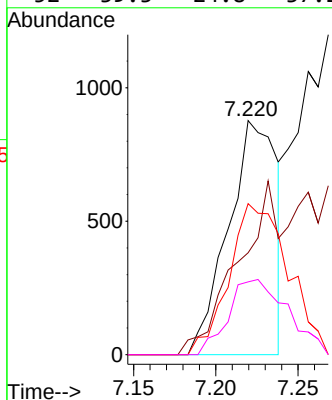
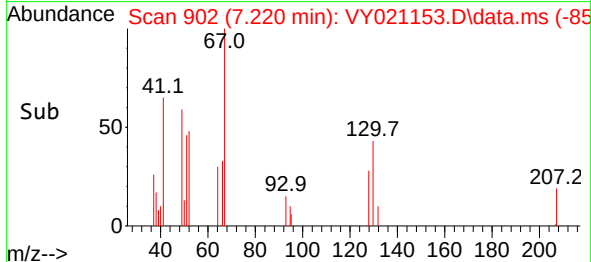
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025



Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.1	41.9	62.9
67	78.9	59.8	89.6
52	39.3	24.8	37.2

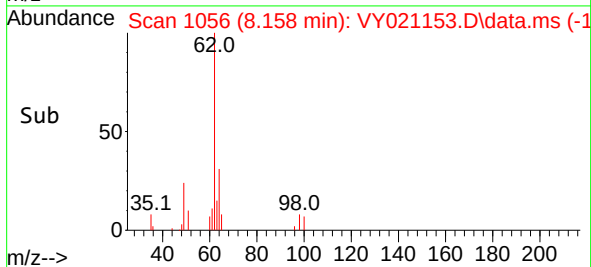
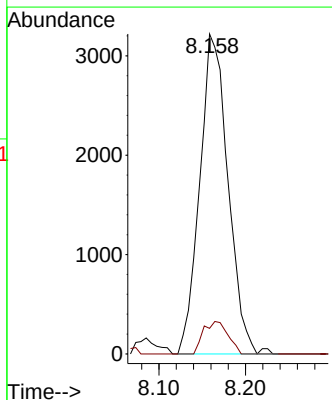
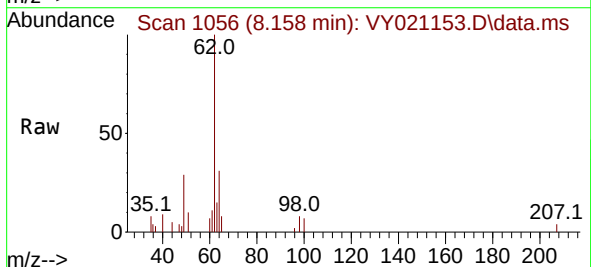
Manual Integrations
APPROVED

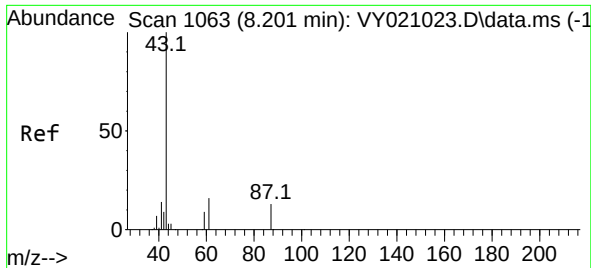
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#42
1,2-Dichloroethane
Concen: 4.136 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

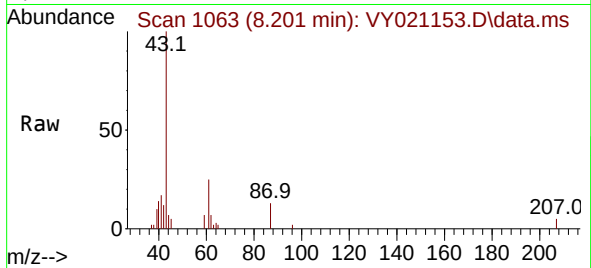
Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	20.2





#43
Isopropyl Acetate
Concen: 3.997 ug/l
RT: 8.201 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

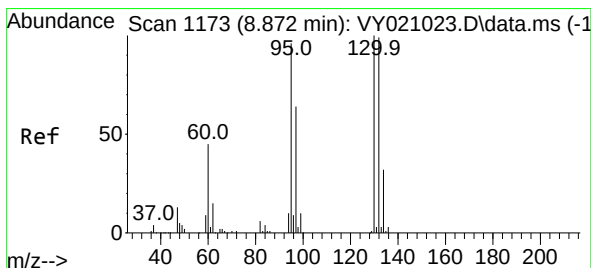
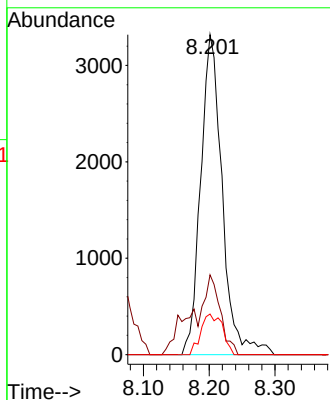
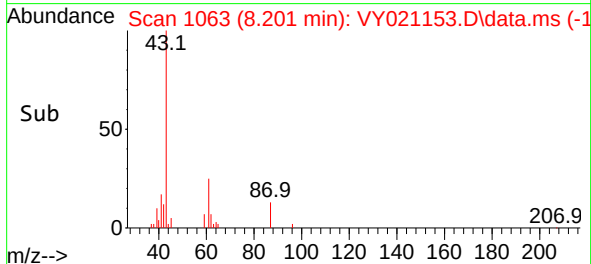
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025



Tgt Ion: 43 Resp: 756
Ion Ratio Lower Upper
43 100
61 32.0 24.8 37.2
87 12.7 10.7 16.1

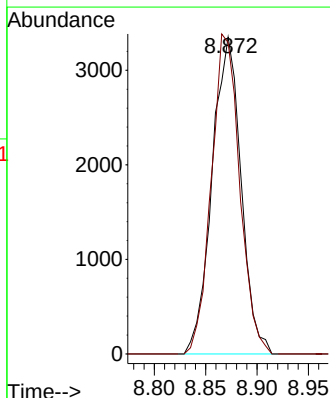
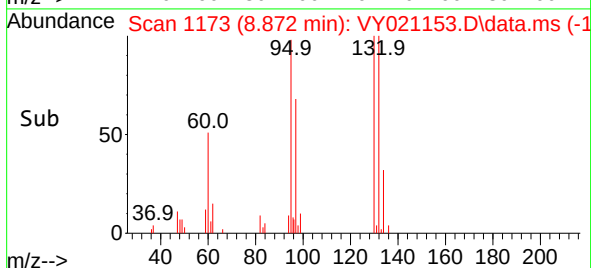
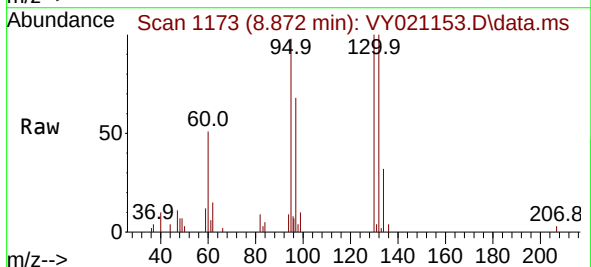
Manual Integrations
APPROVED

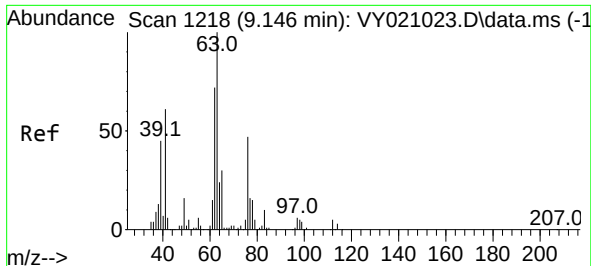
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#44
Trichloroethene
Concen: 3.994 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

Tgt Ion:130 Resp: 6572
Ion Ratio Lower Upper
130 100
95 98.3 0.0 203.8





#45

1,2-Dichloropropane

Concen: 4.299 ug/l

RT: 9.146 min Scan# 1218

Delta R.T. -0.000 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion: 63 Resp: 6498

Ion Ratio Lower Upper

63 100

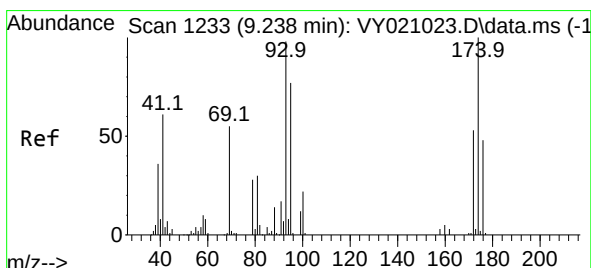
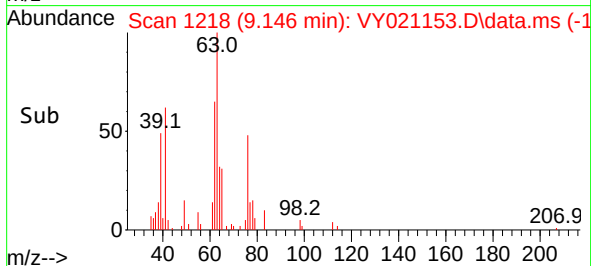
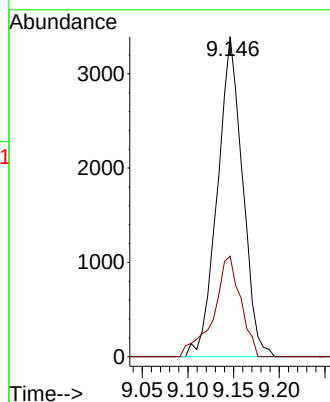
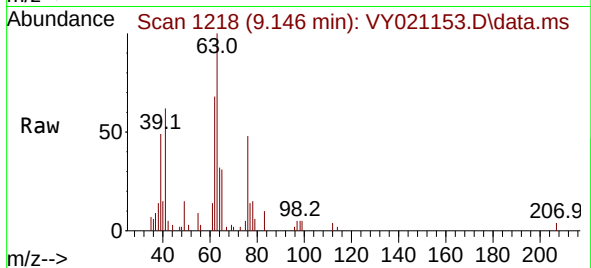
65 31.4 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/11/2025

Supervised By :Semsettin Yesilyurt 02/11/2025



#46

Dibromomethane

Concen: 4.019 ug/l

RT: 9.238 min Scan# 1233

Delta R.T. -0.000 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

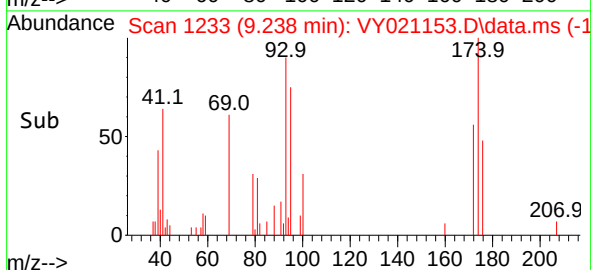
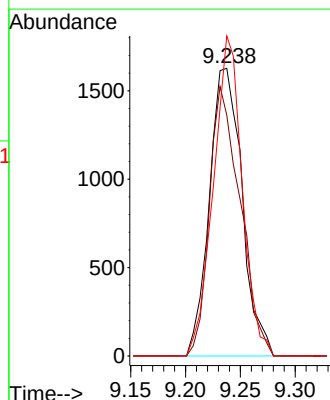
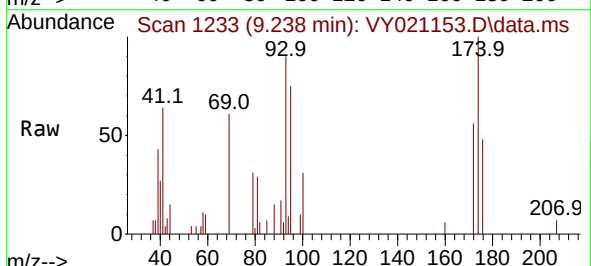
Tgt Ion: 93 Resp: 3364

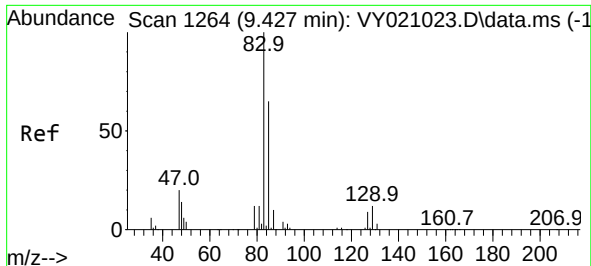
Ion Ratio Lower Upper

93 100

95 88.0 66.6 99.8

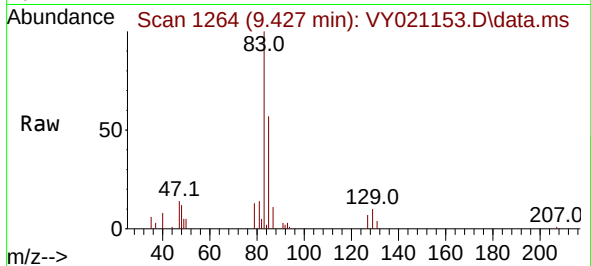
174 98.3 73.8 110.6





#47
Bromodichloromethane
Concen: 4.338 ug/l
RT: 9.427 min Scan# 1264
Delta R.T. -0.000 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

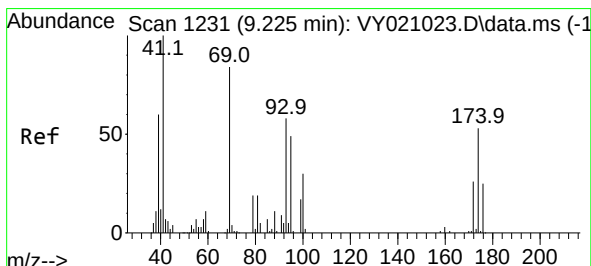
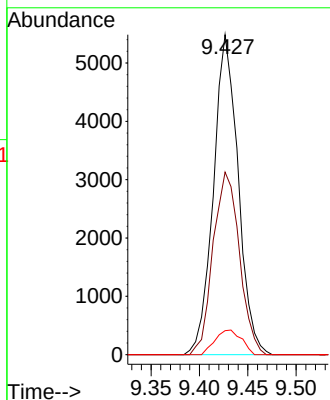
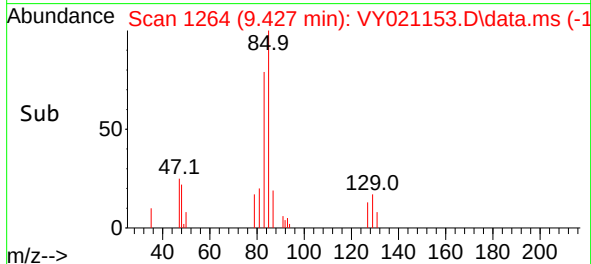
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2025



Tgt Ion: 83 Resp: 973
Ion Ratio Lower Upper
83 100
85 57.1 53.2 79.8
127 7.5 6.4 9.6

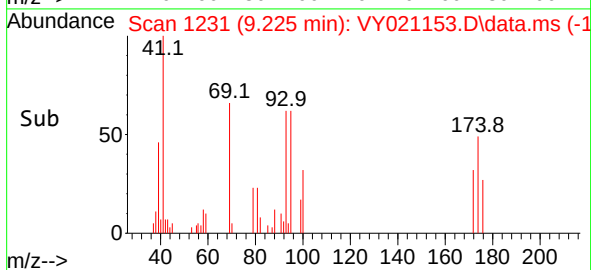
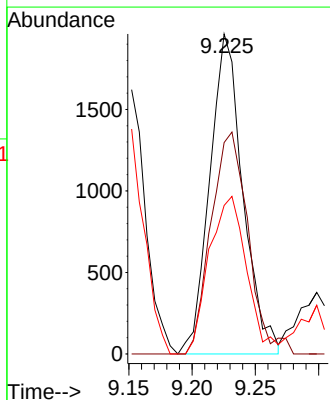
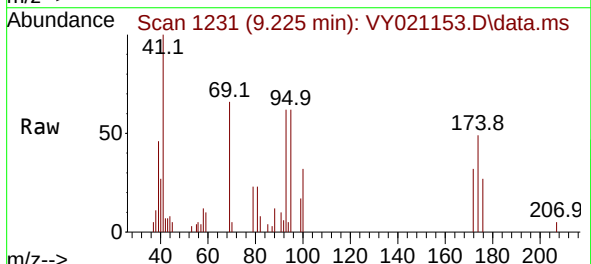
Manual Integrations
APPROVED

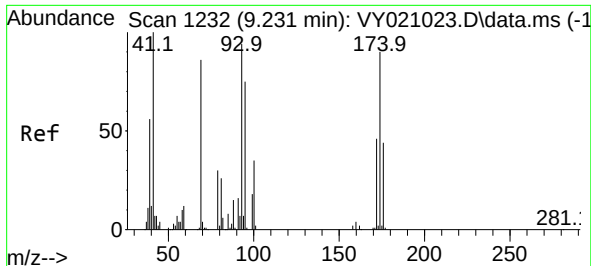
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#48
Methyl methacrylate
Concen: 4.148 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

Tgt Ion: 41 Resp: 3574
Ion Ratio Lower Upper
41 100
69 77.8 72.1 108.1
39 55.9 42.8 64.2





#49

1,4-Dioxane

Concen: 80.856 ug/l

RT: 9.238 min Scan# 1233

Delta R.T. 0.006 min

Lab File: VY021153.D

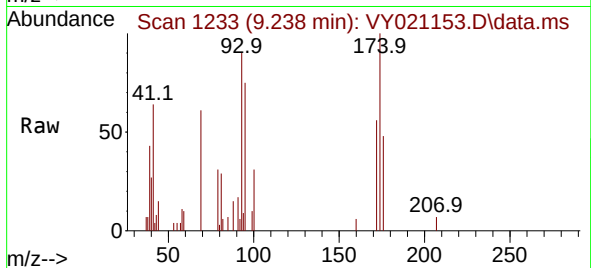
Acq: 10 Feb 2025 13:05

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

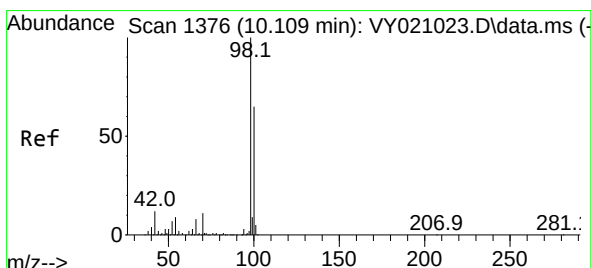
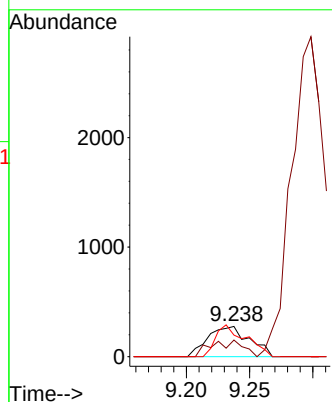
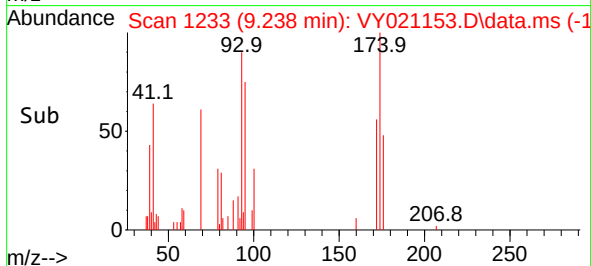


Tgt Ion: 88	Resp: 630
Ion Ratio	Lower Upper
88 100	
43 0.0	28.2 42.4
58 76.7	52.2 78.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#50

Toluene-d8

Concen: 49.864 ug/l

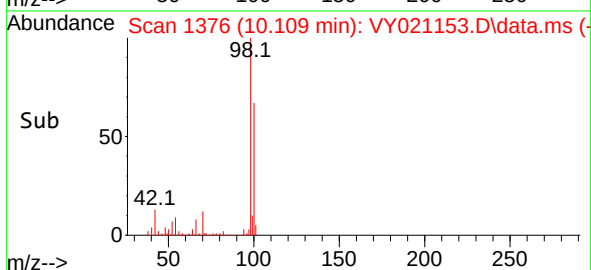
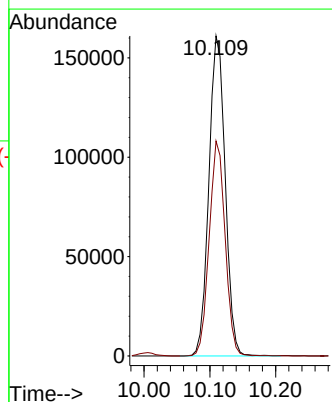
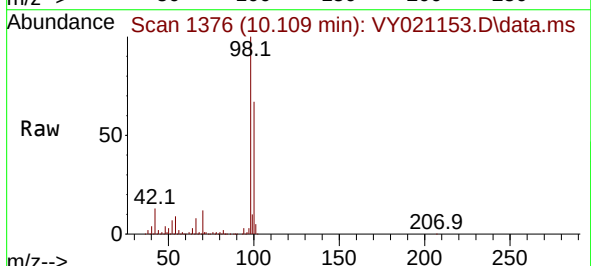
RT: 10.109 min Scan# 1376

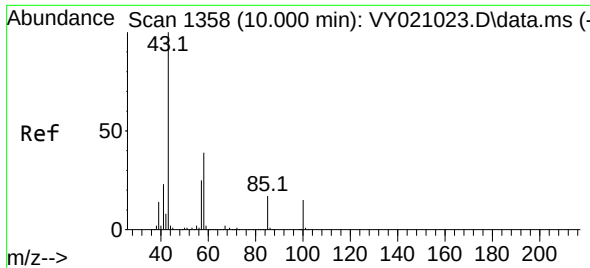
Delta R.T. -0.000 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

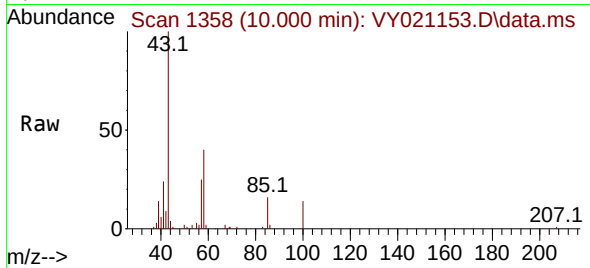
Tgt Ion: 98	Resp: 278151
Ion Ratio	Lower Upper
98 100	
100 65.7	52.3 78.5





#51
4-Methyl-2-Pentanone
Concen: 19.886 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

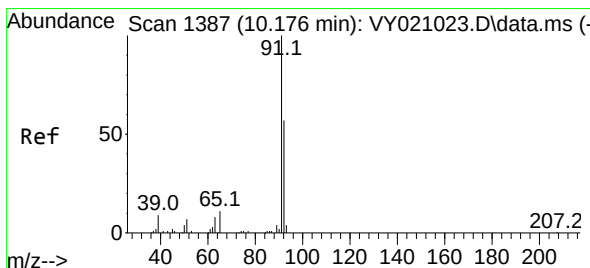
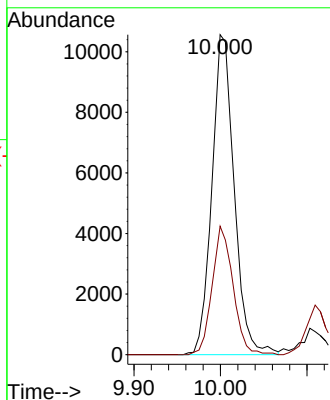
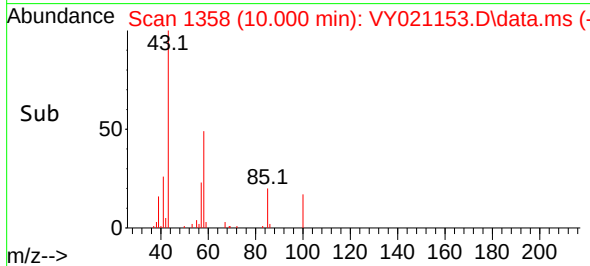
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025



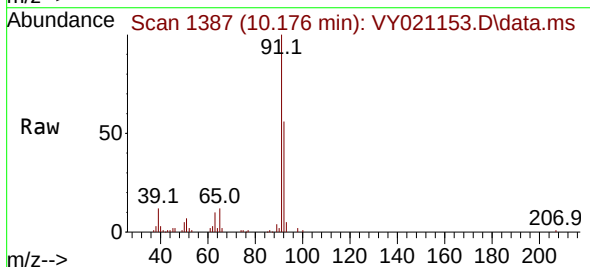
Tgt Ion: 43 Resp: 18918
Ion Ratio Lower Upper
43 100
58 37.6 32.2 48.2

Manual Integrations
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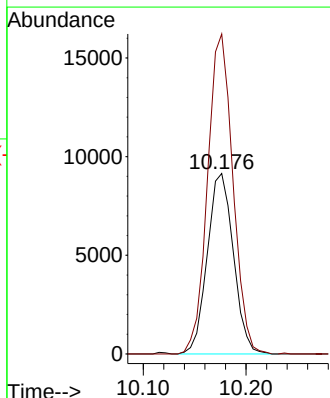
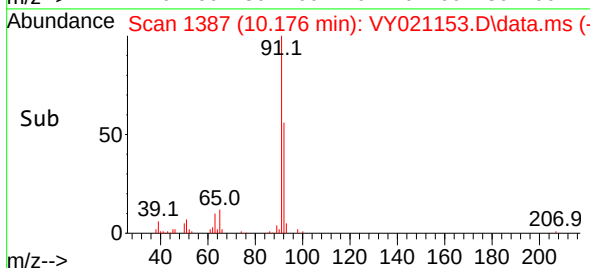
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025

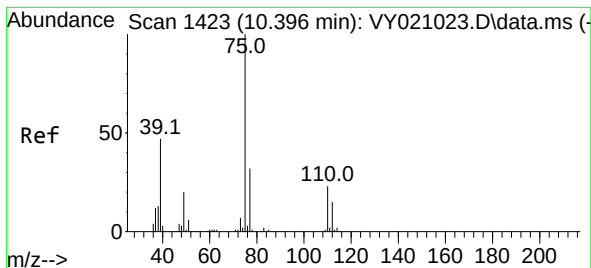


#52
Toluene
Concen: 4.038 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05



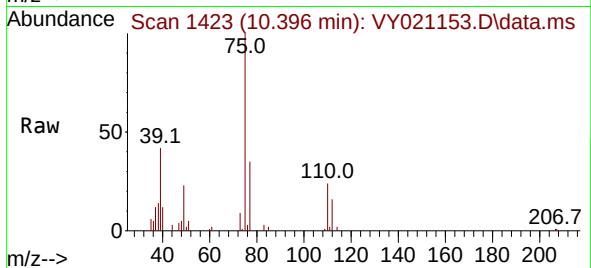
Tgt Ion: 92 Resp: 16149
Ion Ratio Lower Upper
92 100
91 172.2 137.6 206.4





#53
t-1,3-Dichloropropene
Concen: 3.911 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. -0.000 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

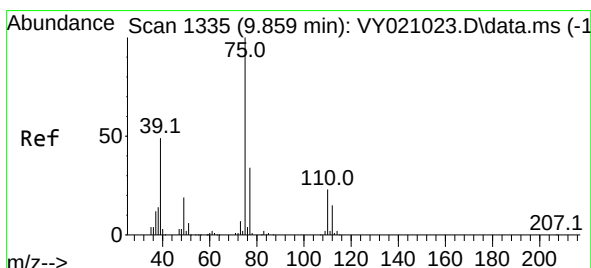
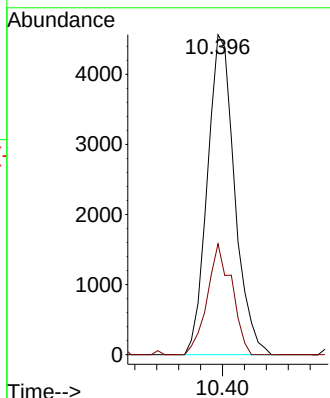
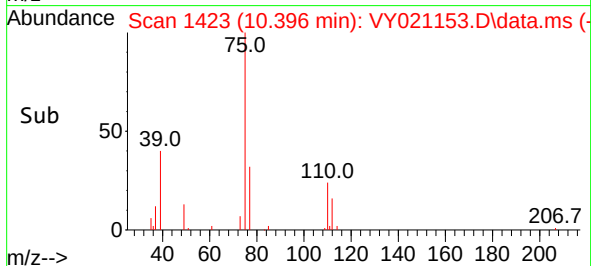
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2025



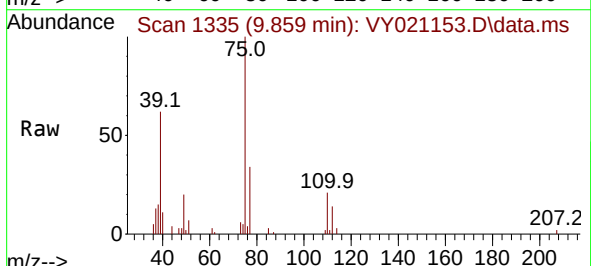
Tgt Ion: 75 Resp: 788
Ion Ratio Lower Upper
75 100
77 34.7 24.6 36.8

Manual Integrations
APPROVED

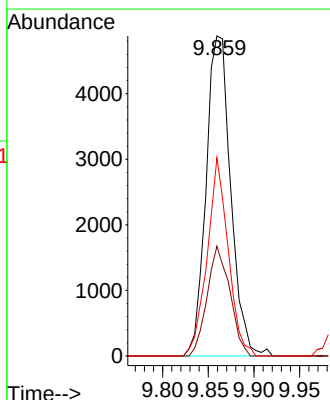
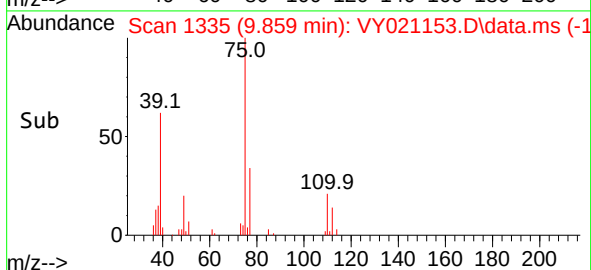
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025

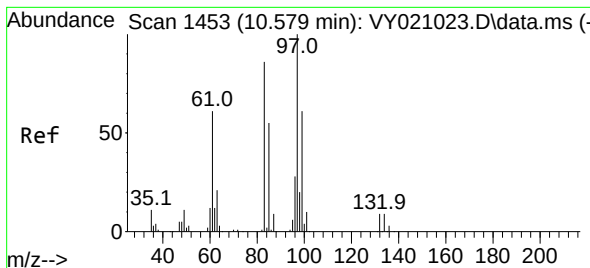


#54
cis-1,3-Dichloropropene
Concen: 3.834 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05



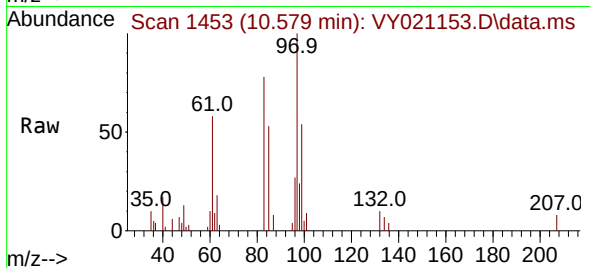
Tgt Ion: 75 Resp: 9149
Ion Ratio Lower Upper
75 100
77 34.3 24.6 36.8
39 61.9 33.6 50.4#





#55
1,1,2-Trichloroethane
Concen: 4.473 ug/l
RT: 10.579 min Scan# 1453
Delta R.T. -0.000 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

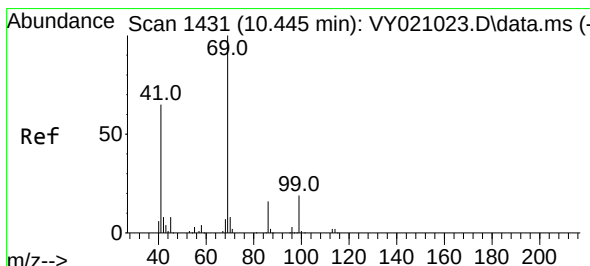
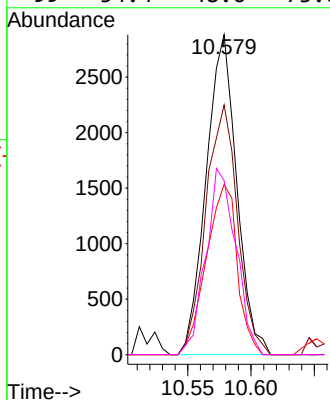
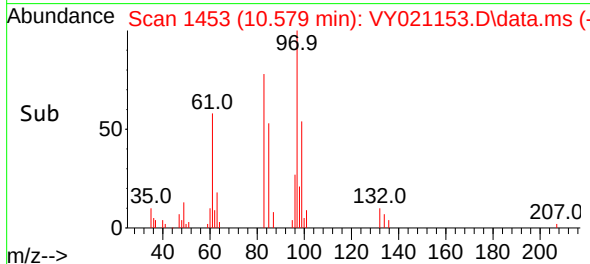
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2025



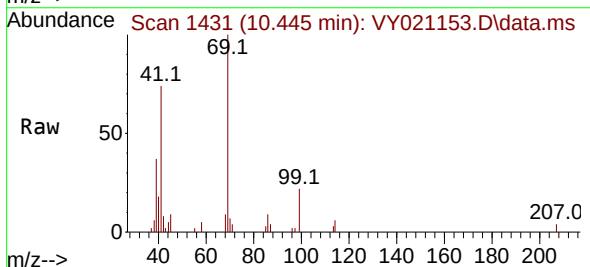
Tgt Ion:	97	Resp:	484
Ion	Ratio	Lower	Upper
97	100		
83	78.0	69.4	104.2
85	53.2	43.9	65.9
99	54.4	48.6	73.0

Manual Integrations
APPROVED

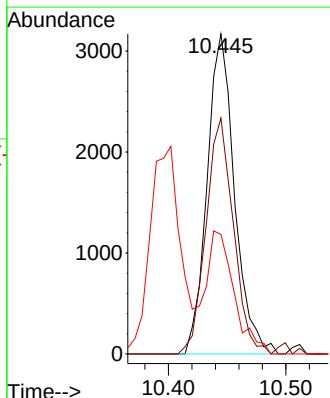
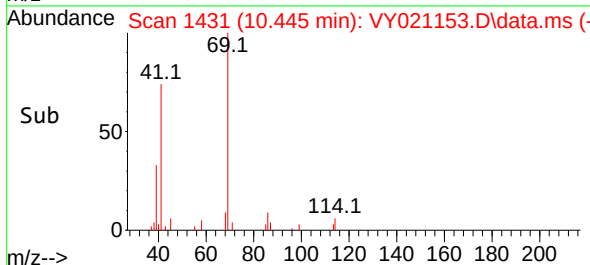
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025

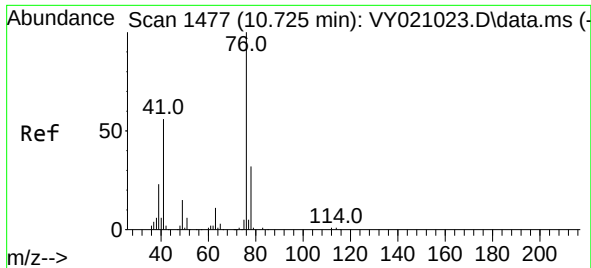


#56
Ethyl methacrylate
Concen: 3.550 ug/l
RT: 10.445 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05



Tgt Ion:	69	Resp:	5147
Ion	Ratio	Lower	Upper
69	100		
41	73.7	49.2	73.8
39	40.5	26.8	40.2





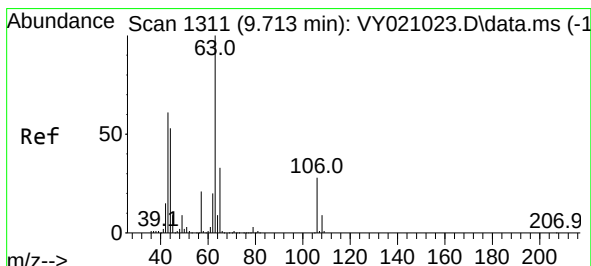
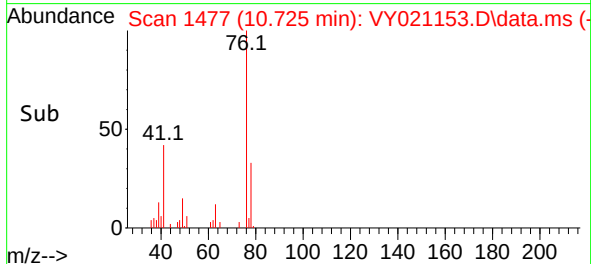
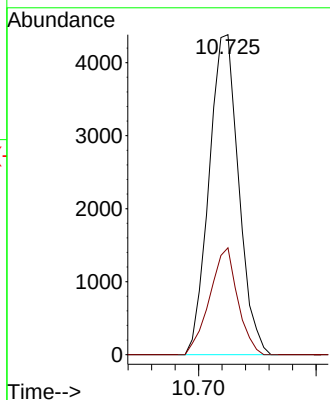
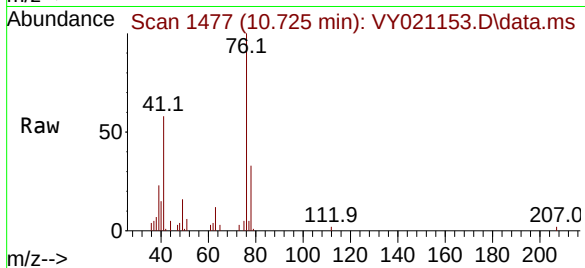
#57
1,3-Dichloropropane
Concen: 4.091 ug/l
RT: 10.725 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2025

Tgt Ion: 76 Resp: 7674
Ion Ratio Lower Upper
76 100
78 31.6 26.1 39.1

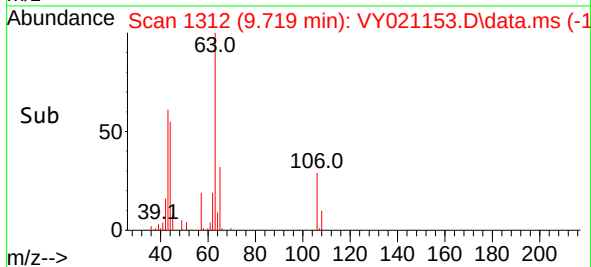
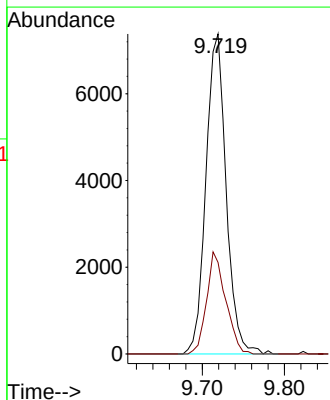
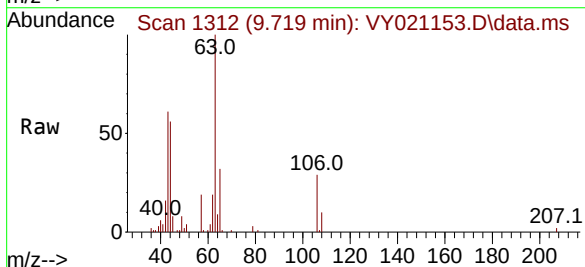
Manual Integrations
APPROVED

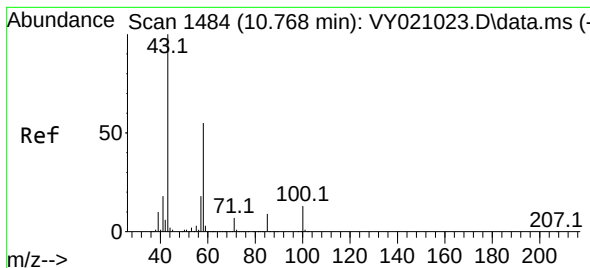
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#58
2-Chloroethyl Vinyl ether
Concen: 18.289 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

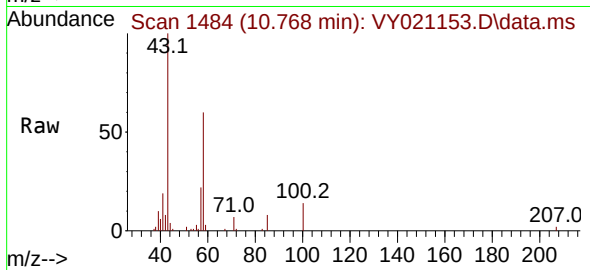
Tgt Ion: 63 Resp: 12616
Ion Ratio Lower Upper
63 100
106 30.1 22.4 33.6





#59
2-Hexanone
Concen: 18.917 ug/l
RT: 10.768 min Scan# 1484
Delta R.T. -0.000 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

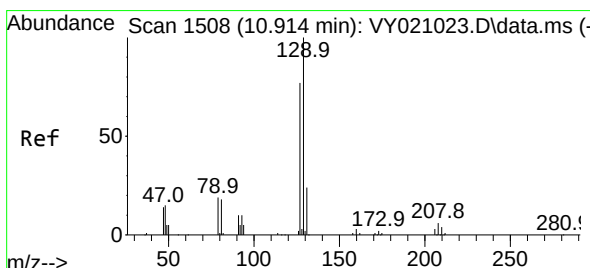
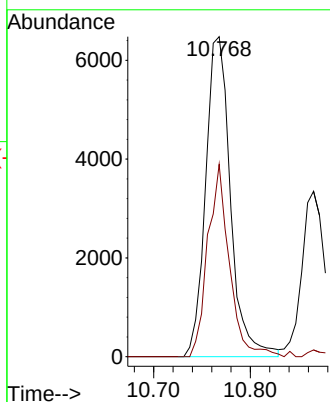
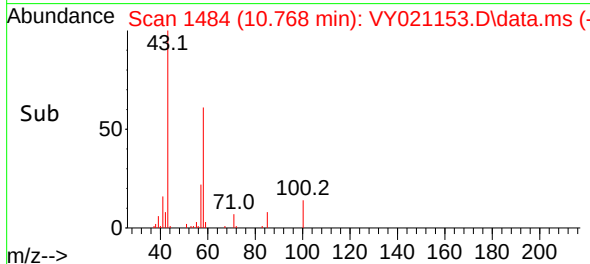
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2025



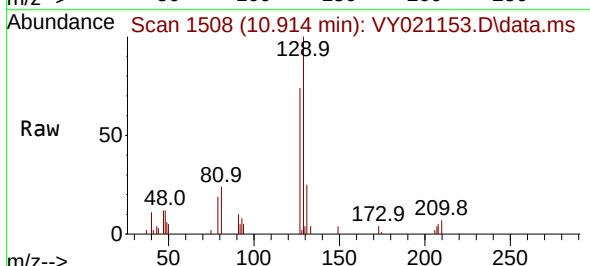
Tgt Ion: 43 Resp: 1158
Ion Ratio Lower Upper
43 100
58 52.3 28.1 84.3

Manual Integrations
APPROVED

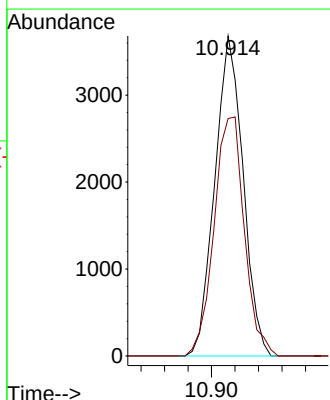
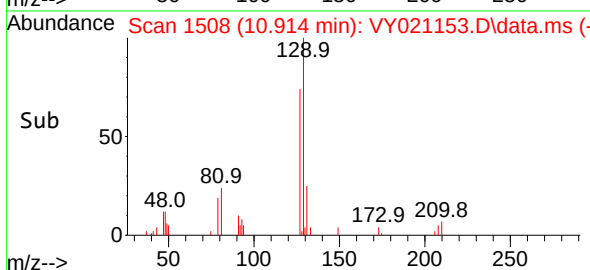
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025

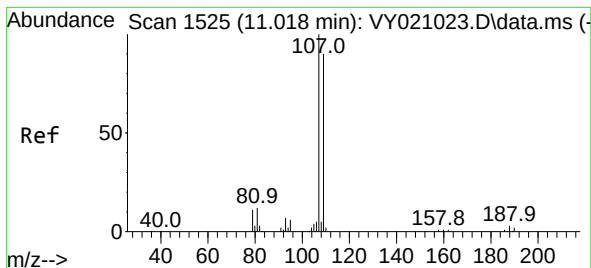


#60
Dibromochloromethane
Concen: 4.044 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05



Tgt Ion:129 Resp: 6156
Ion Ratio Lower Upper
129 100
127 80.1 39.2 117.6





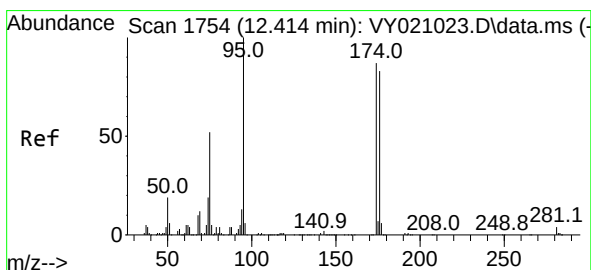
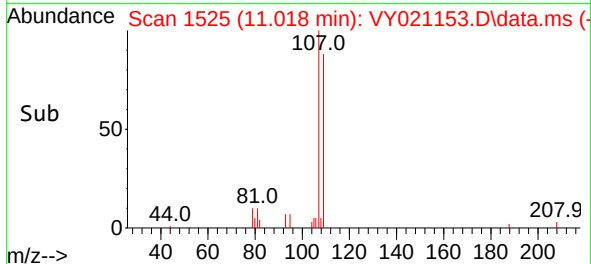
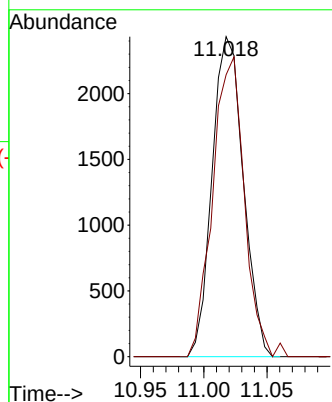
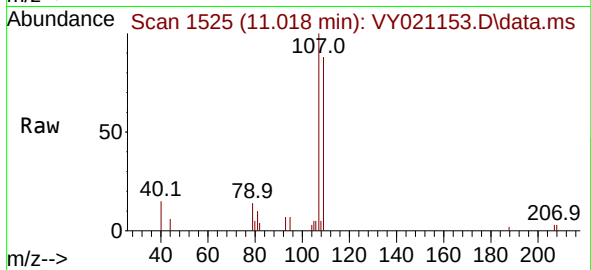
#61
1,2-Dibromoethane
Concen: 4.112 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. -0.000 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

Tgt Ion:107 Resp: 4175
Ion Ratio Lower Upper
107 100
109 95.3 75.4 113.2

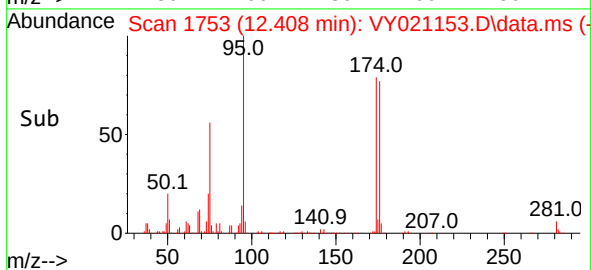
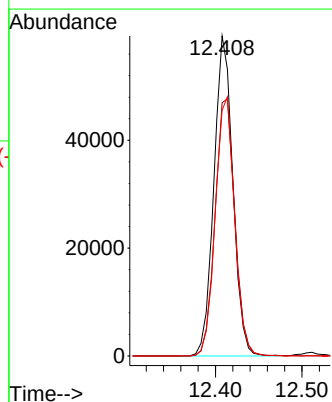
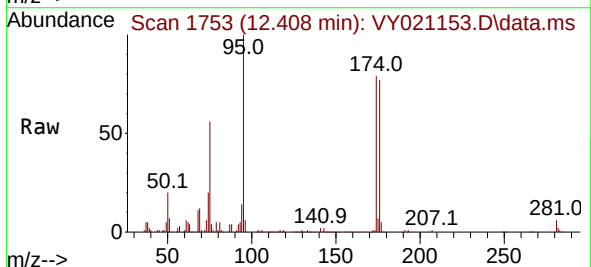
Manual Integrations
APPROVED

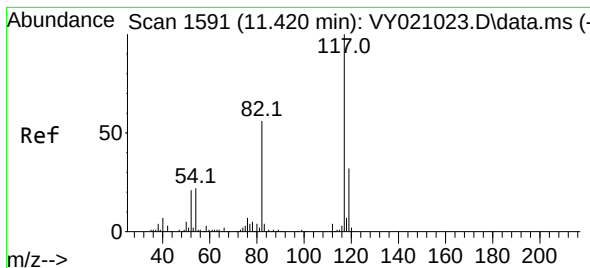
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#62
4-Bromofluorobenzene
Concen: 49.414 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

Tgt Ion: 95 Resp: 90051
Ion Ratio Lower Upper
95 100
174 83.8 0.0 160.0
176 82.5 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. -0.000 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion:117 Resp: 19086

Ion Ratio Lower Upper

117 100

82 56.3 43.8 65.8

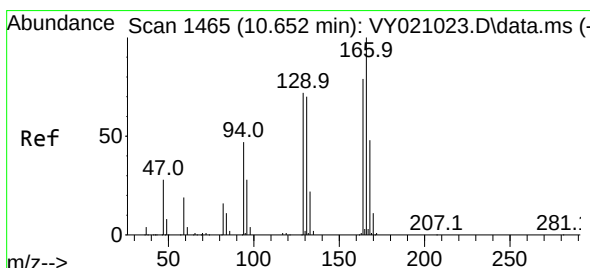
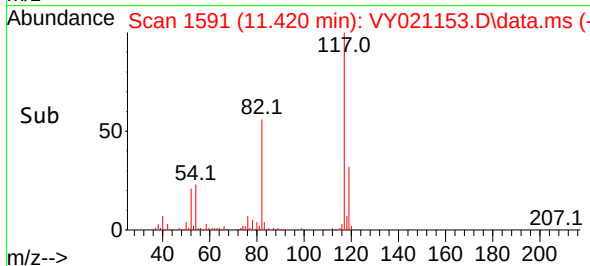
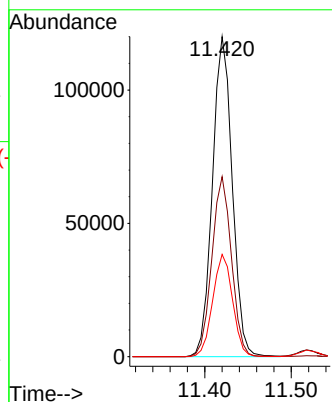
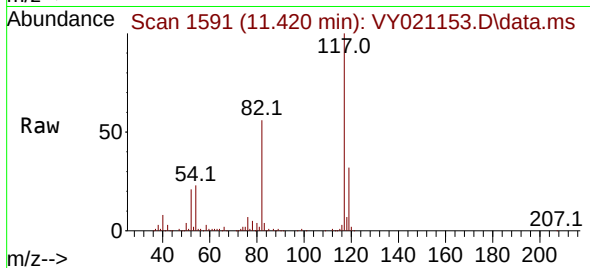
119 32.0 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/11/2025

Supervised By :Semsettin Yesilyurt 02/11/2025



#64

Tetrachloroethene

Concen: 4.163 ug/l

RT: 10.652 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

Tgt Ion:164 Resp: 5898

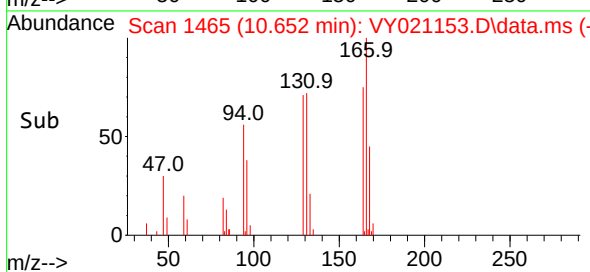
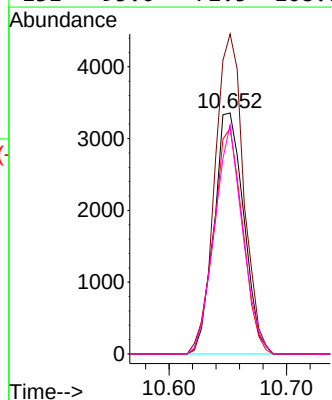
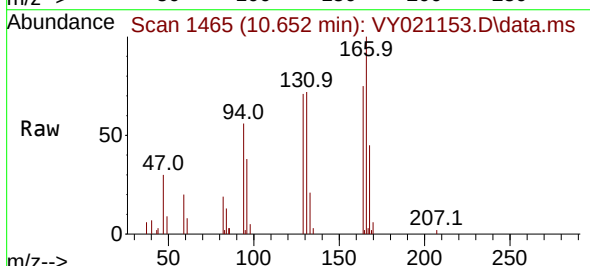
Ion Ratio Lower Upper

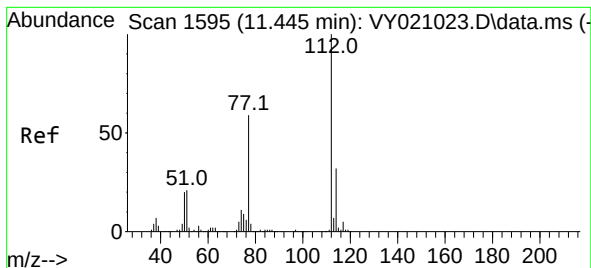
164 100

166 132.8 98.8 148.2

129 93.7 78.9 118.3

131 95.0 72.5 108.7





#65

Chlorobenzene

Concen: 4.070 ug/l

RT: 11.444 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion:112 Resp: 17290

Ion Ratio Lower Upper

112 100

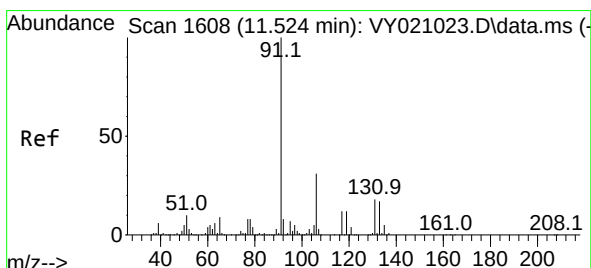
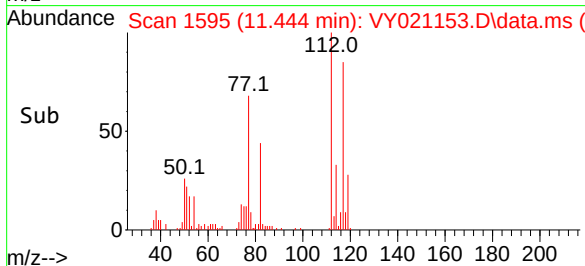
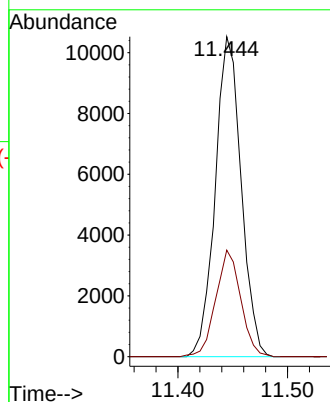
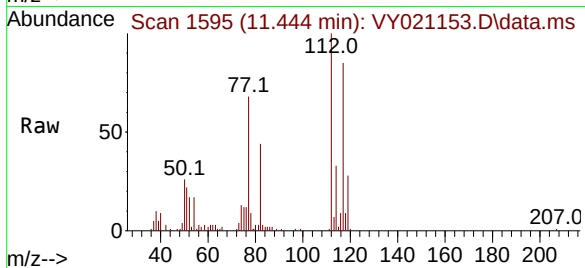
114 33.3 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/11/2025

Supervised By :Semsettin Yesilyurt 02/11/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 4.128 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. -0.006 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

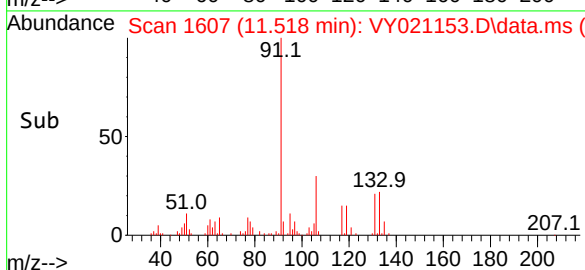
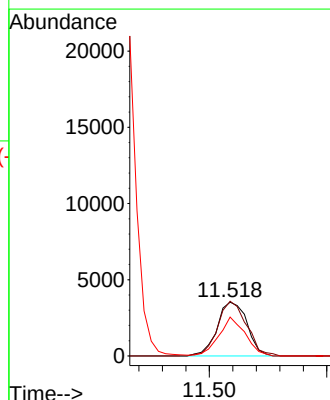
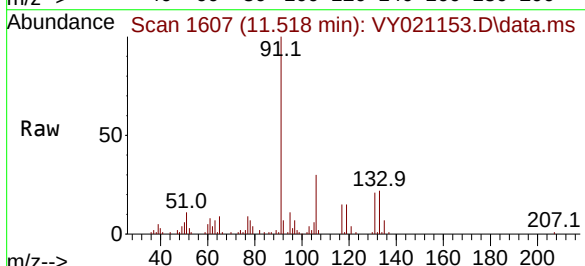
Tgt Ion:131 Resp: 6234

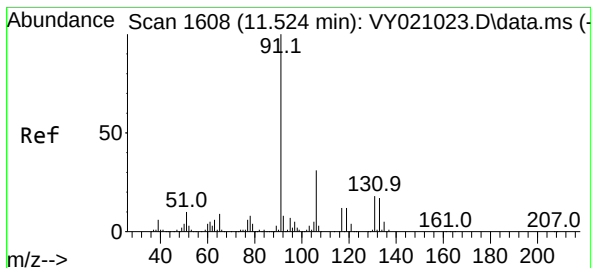
Ion Ratio Lower Upper

131 100

133 98.4 47.0 141.0

119 63.9 33.3 99.9





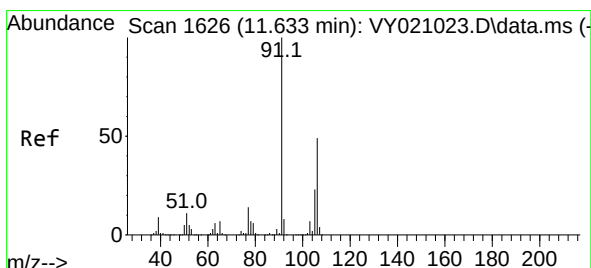
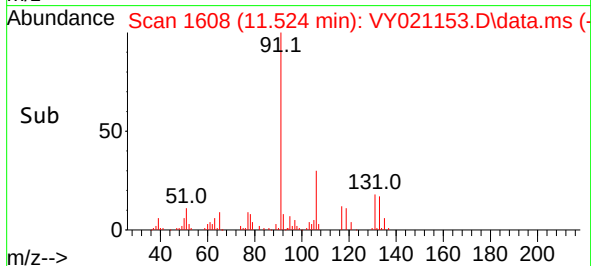
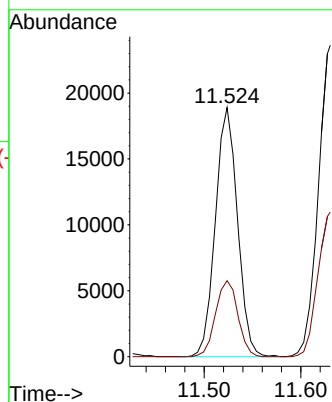
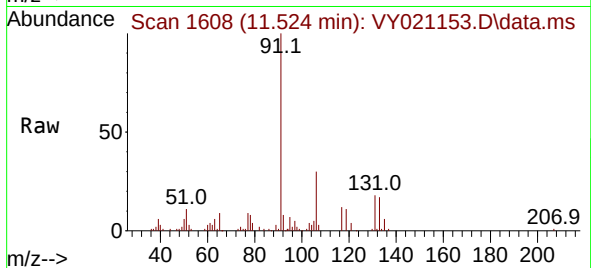
#67
Ethyl Benzene
Concen: 3.988 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

Tgt Ion: 91 Resp: 29970
Ion Ratio Lower Upper
91 100
106 30.5 25.0 37.4

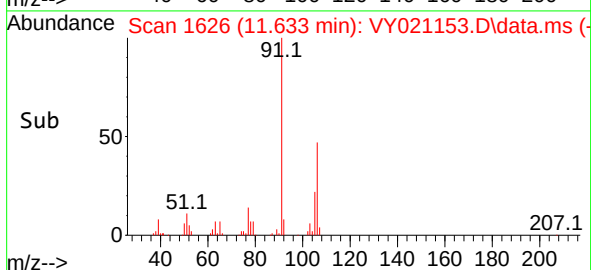
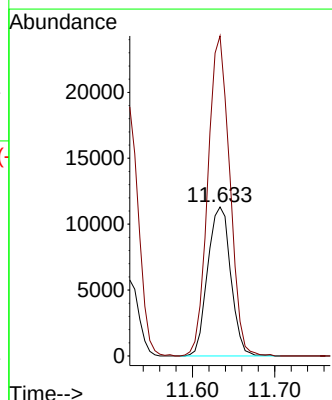
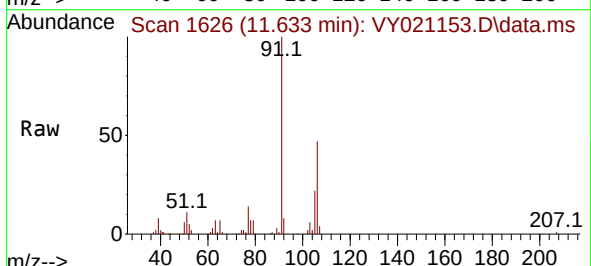
Manual Integrations
APPROVED

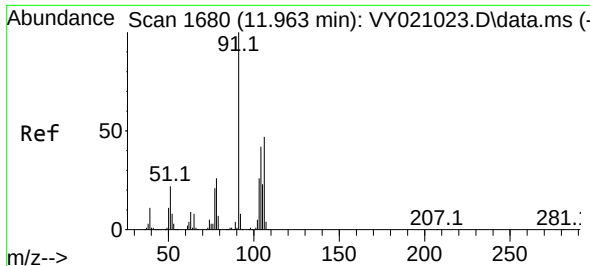
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#68
m/p-Xylenes
Concen: 7.845 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

Tgt Ion:106 Resp: 22062
Ion Ratio Lower Upper
106 100
91 203.4 160.7 241.1





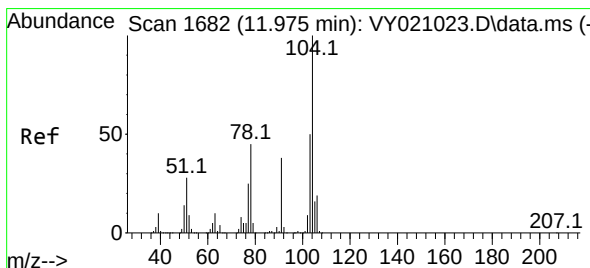
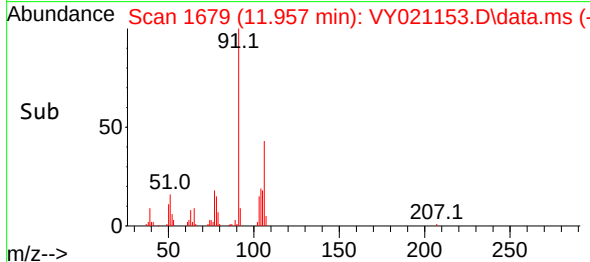
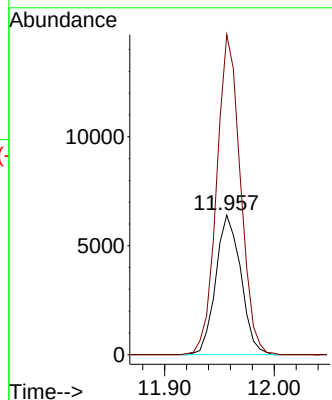
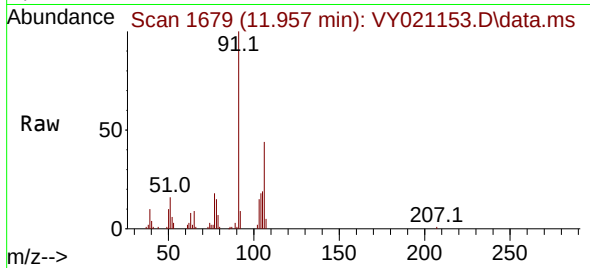
#69
o-Xylene
Concen: 3.884 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. -0.006 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

Tgt Ion:106 Resp: 10184
Ion Ratio Lower Upper
106 100
91 217.8 106.5 319.5

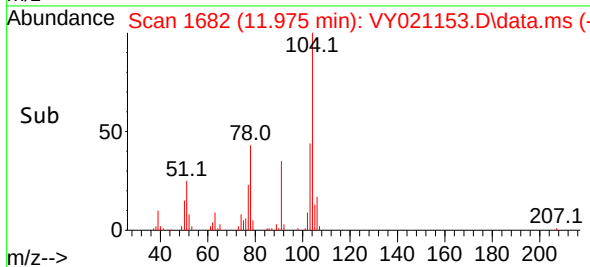
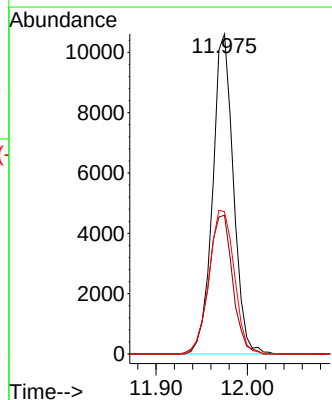
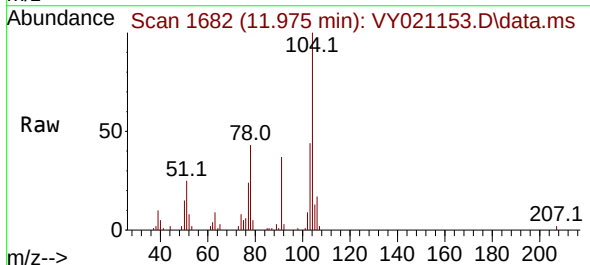
Manual Integrations
APPROVED

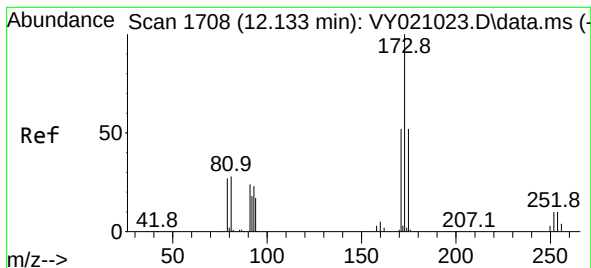
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#70
Styrene
Concen: 3.828 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

Tgt Ion:104 Resp: 16726
Ion Ratio Lower Upper
104 100
78 50.0 39.2 58.8
103 54.2 43.8 65.6





#71

Bromoform

Concen: 4.364 ug/l

RT: 12.133 min Scan# 1708

Delta R.T. -0.000 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

Instrument :

MSVOA_Y

ClientSampleId :

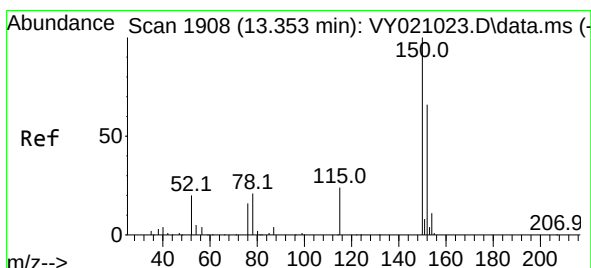
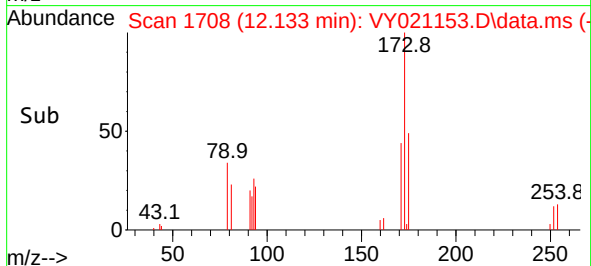
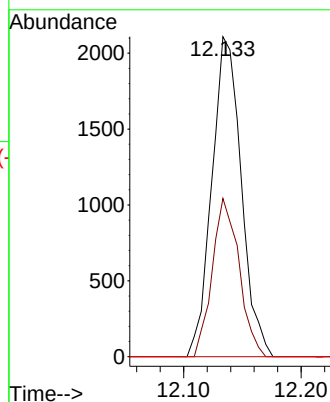
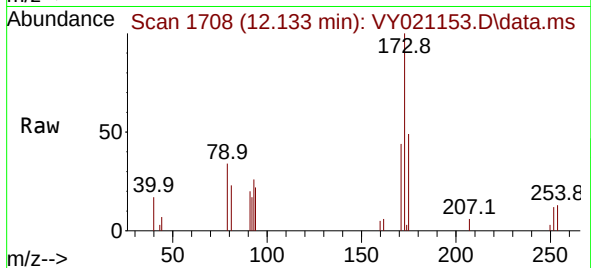
MDL-SOIL-03-QT1-2025

Tgt Ion:173	Resp:	3669
Ion Ratio	Lower	Upper
173	100	
175	45.1	23.5 70.6
254	0.0	0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

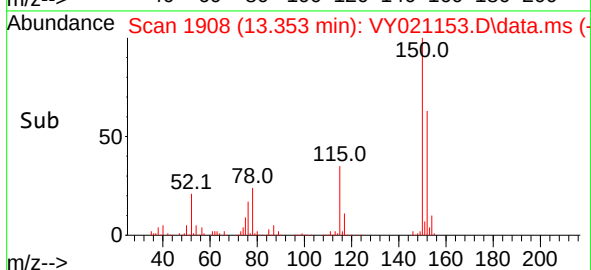
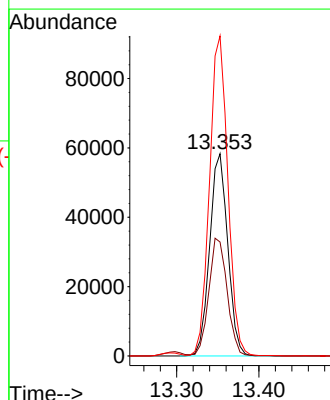
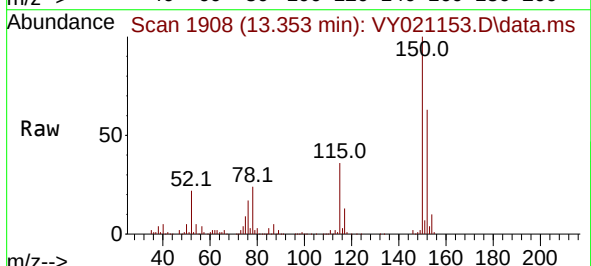
RT: 13.353 min Scan# 1908

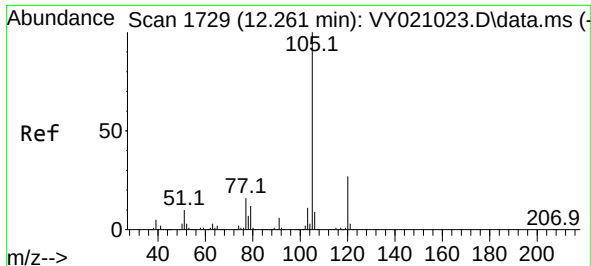
Delta R.T. -0.000 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

Tgt Ion:152	Resp:	89284
Ion Ratio	Lower	Upper
152	100	
115	59.1	30.0 90.0
150	159.9	0.0 344.6





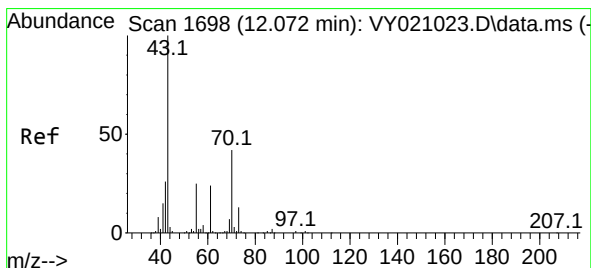
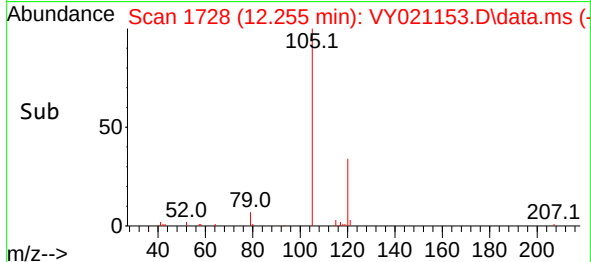
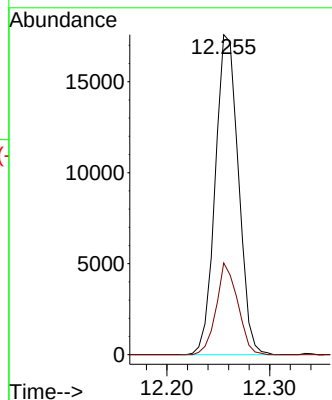
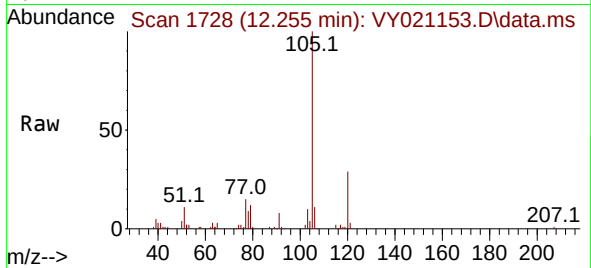
#73
Isopropylbenzene
Concen: 3.945 ug/l
RT: 12.255 min Scan# 1729
Delta R.T. -0.006 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

Tgt Ion:105 Resp: 2751
Ion Ratio Lower Upper
105 100
120 26.5 13.0 39.0

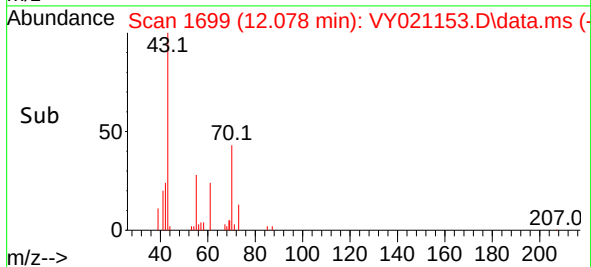
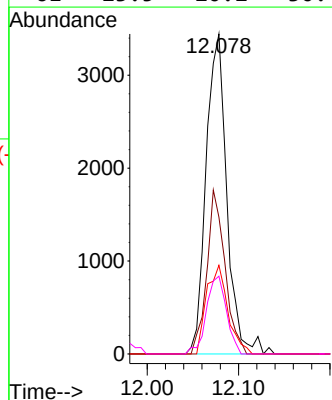
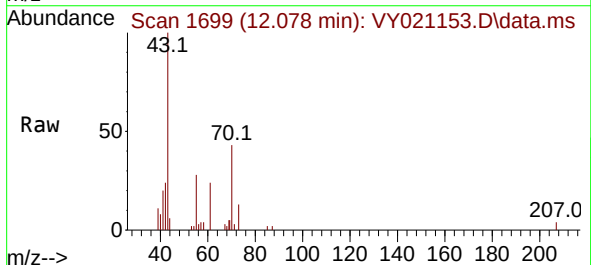
Manual Integrations
APPROVED

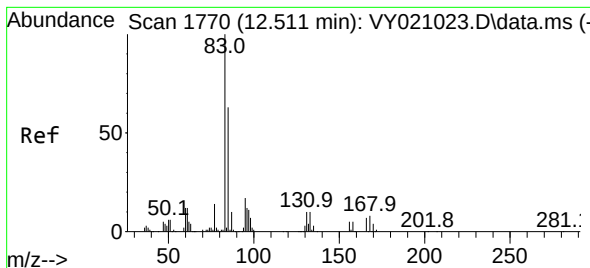
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#74
N-ethyl acetate
Concen: 3.557 ug/l
RT: 12.078 min Scan# 1699
Delta R.T. 0.006 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

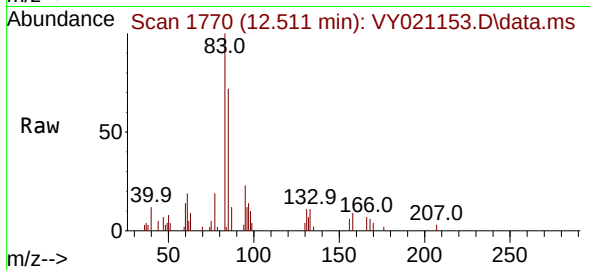
Tgt Ion: 43 Resp: 5423
Ion Ratio Lower Upper
43 100
70 44.9 36.6 55.0
55 28.4 22.2 33.4
61 23.5 20.2 30.4





#75
1,1,2,2-Tetrachloroethane
Concen: 4.348 ug/l
RT: 12.511 min Scan# 1770
Delta R.T. -0.000 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

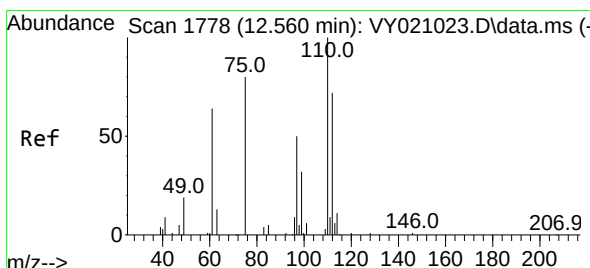
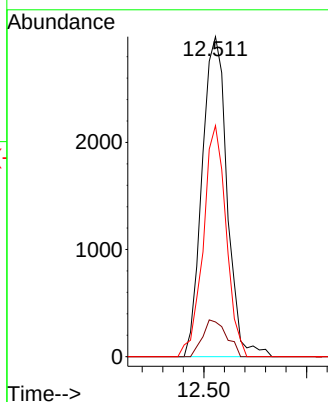
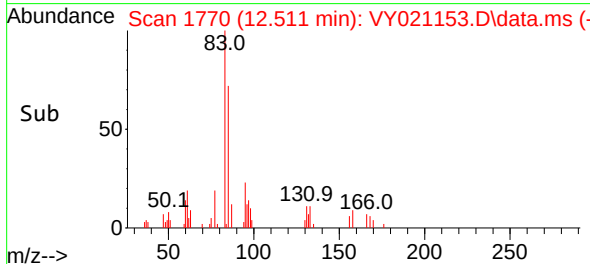
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2025



Tgt Ion: 83 Resp: 504
Ion Ratio Lower Upper
83 100
131 11.0 4.9 14.6
85 66.0 32.6 98.0

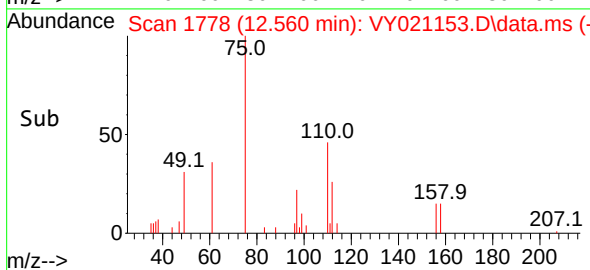
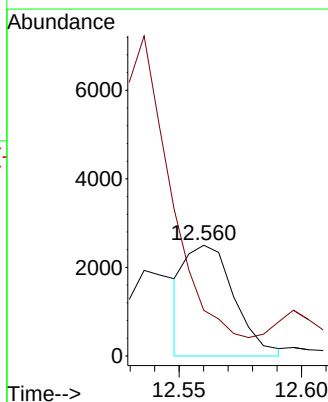
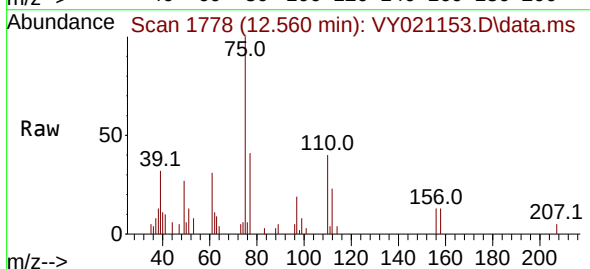
Manual Integrations
APPROVED

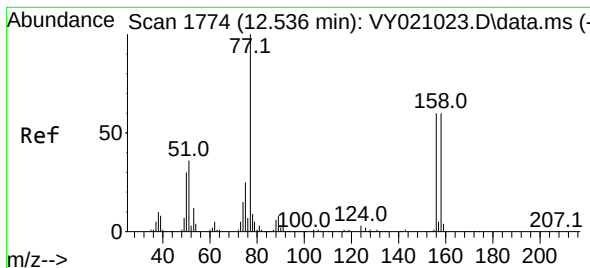
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#76
1,2,3-Trichloropropane
Concen: 4.304 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

Tgt Ion: 75 Resp: 3486
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 4.088 ug/l

RT: 12.536 min Scan# 1774

Delta R.T. -0.000 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

Instrument :

MSVOA_Y

ClientSampleId :

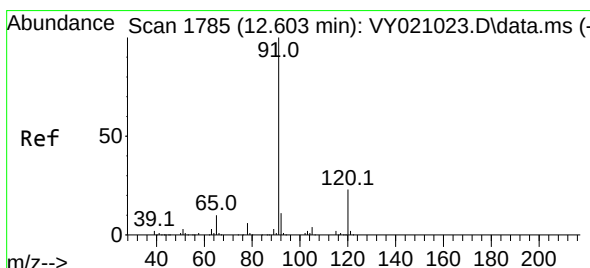
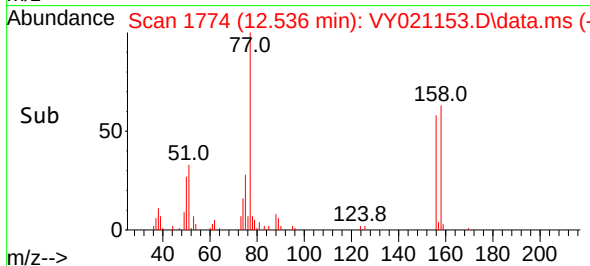
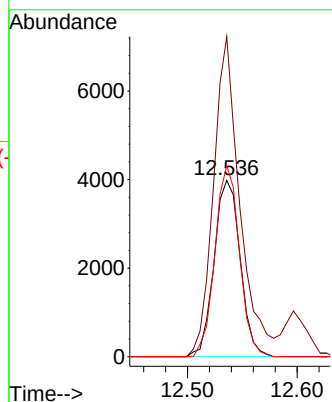
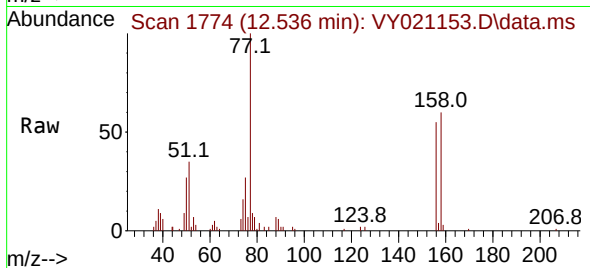
MDL-SOIL-03-QT1-2025

Tgt Ion:	156	Resp:	6579
Ion Ratio	Lower	Upper	
156	100		
77	183.2	97.3	291.8
158	101.8	48.4	145.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#78

n-propylbenzene

Concen: 4.114 ug/l

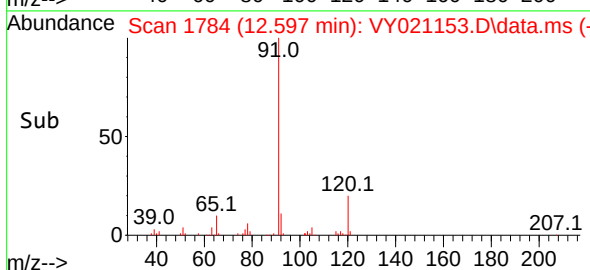
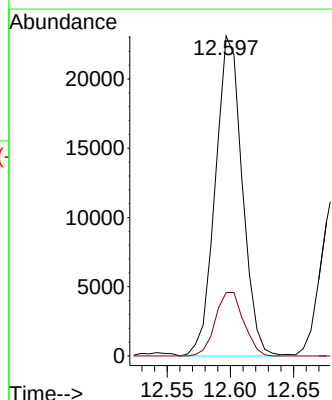
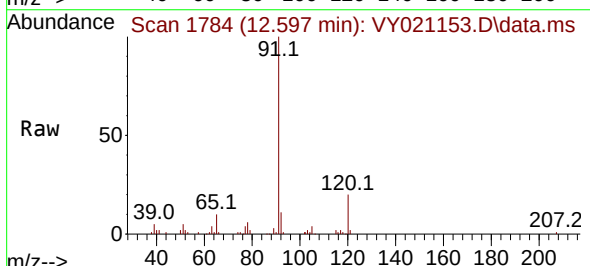
RT: 12.597 min Scan# 1784

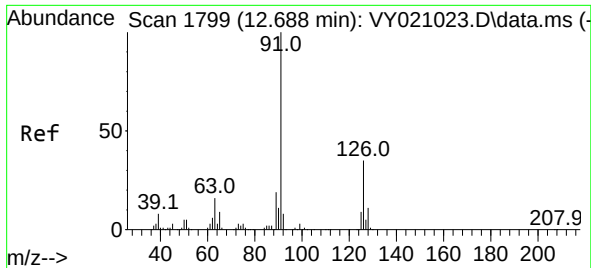
Delta R.T. -0.006 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

Tgt Ion:	91	Resp:	34178
Ion Ratio	Lower	Upper	
91	100		
120	20.9	11.0	33.0





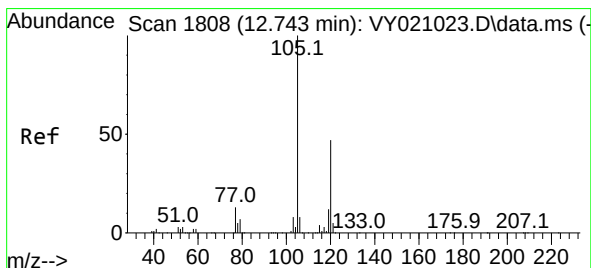
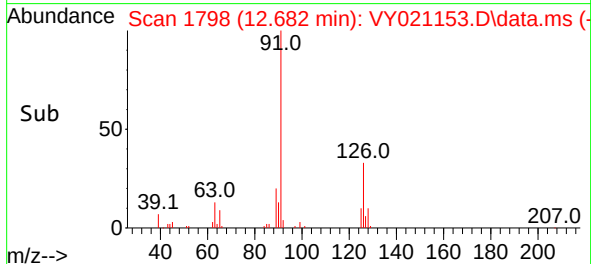
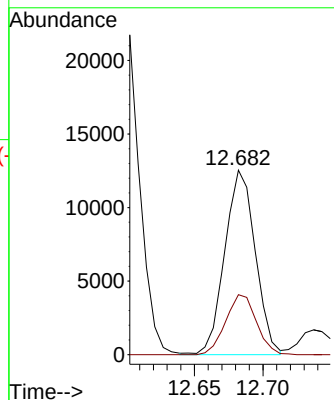
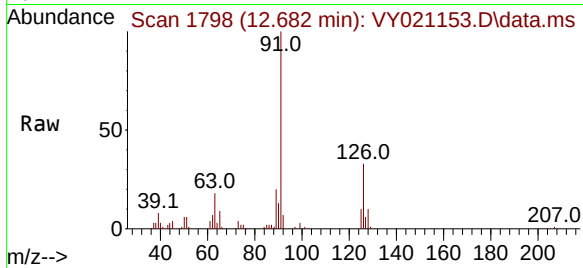
#79
2-Chlorotoluene
Concen: 4.089 ug/l
RT: 12.682 min Scan# 1799
Delta R.T. -0.006 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

Tgt Ion: 91 Resp: 19450
Ion Ratio Lower Upper
91 100
126 32.7 17.0 51.0

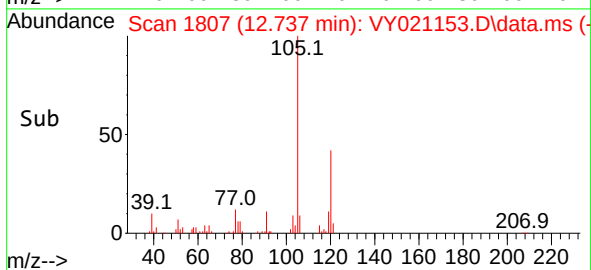
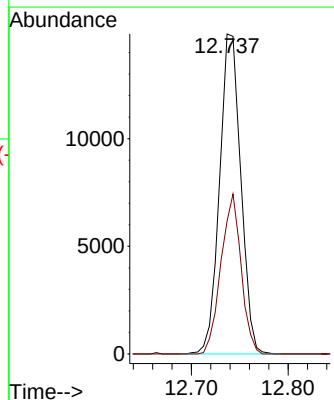
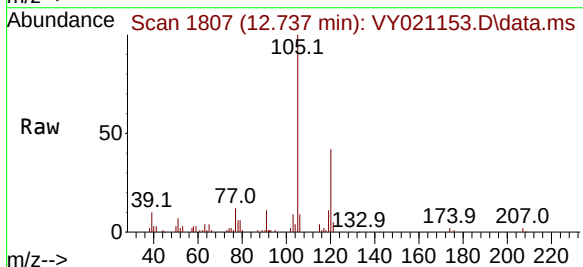
Manual Integrations
APPROVED

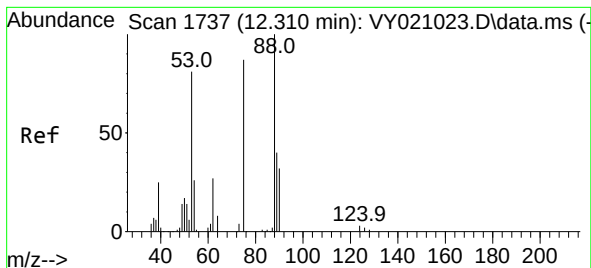
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#80
1,3,5-Trimethylbenzene
Concen: 4.018 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.006 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

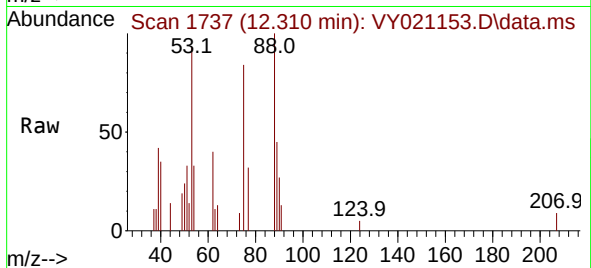
Tgt Ion:105 Resp: 22718
Ion Ratio Lower Upper
105 100
120 47.1 24.3 72.8





#81
trans-1,4-Dichloro-2-butene
Concen: 3.633 ug/l m
RT: 12.310 min Scan# 1737
Delta R.T. -0.000 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

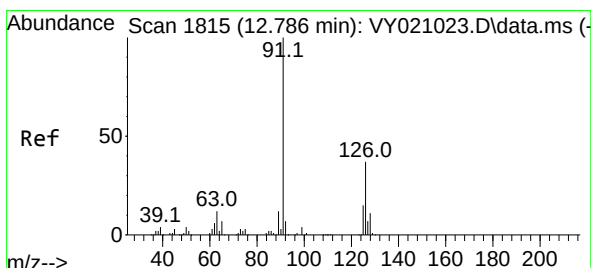
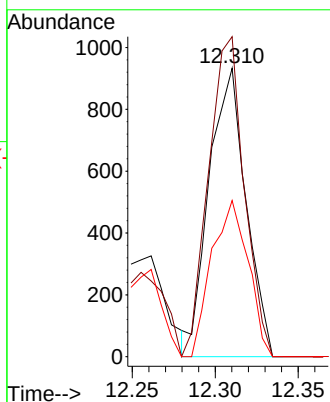
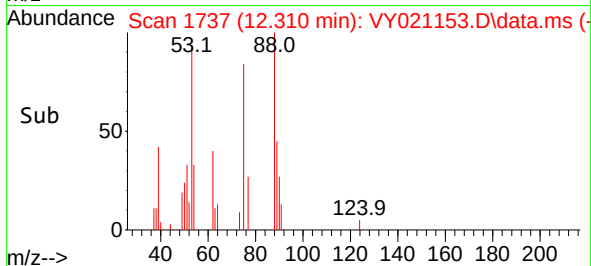
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2025



Tgt Ion: 75 Resp: 144
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0
89 2.1 36.5 54.7

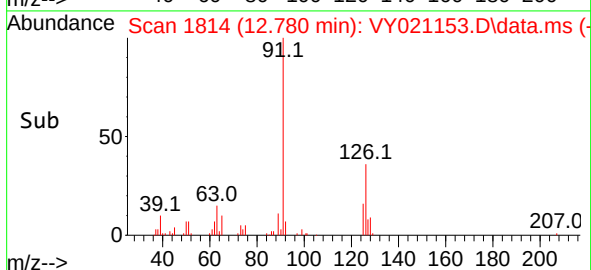
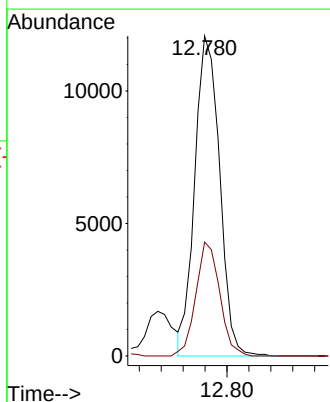
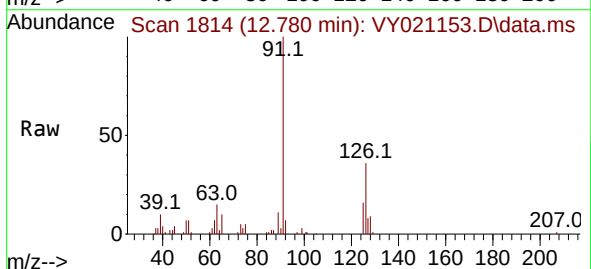
Manual Integrations
APPROVED

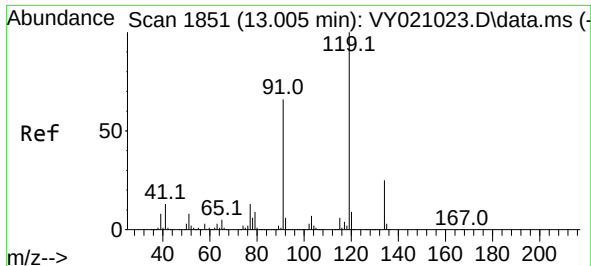
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#82
4-Chlorotoluene
Concen: 3.920 ug/l
RT: 12.780 min Scan# 1814
Delta R.T. -0.006 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

Tgt Ion: 91 Resp: 19007
Ion Ratio Lower Upper
91 100
126 34.2 17.1 51.2





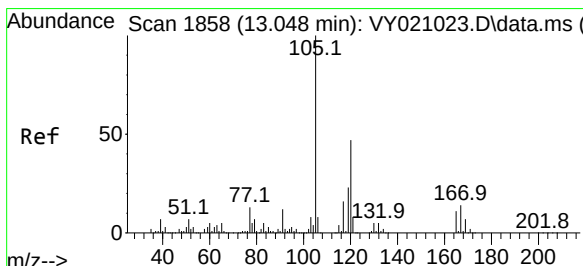
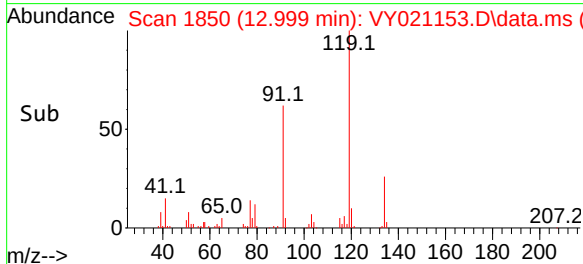
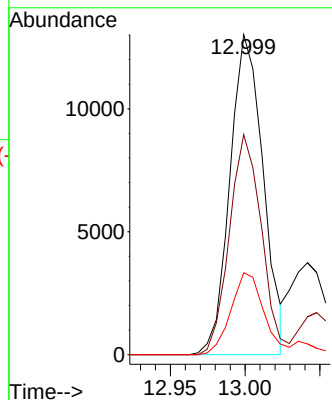
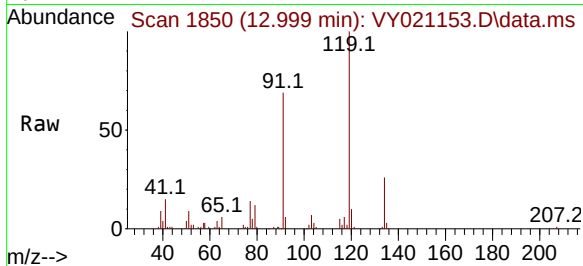
#83
tert-Butylbenzene
Concen: 3.922 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. -0.006 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025

Tgt Ion:119 Resp: 20150
Ion Ratio Lower Upper
119 100
91 66.6 31.5 94.5
134 25.4 13.1 39.3

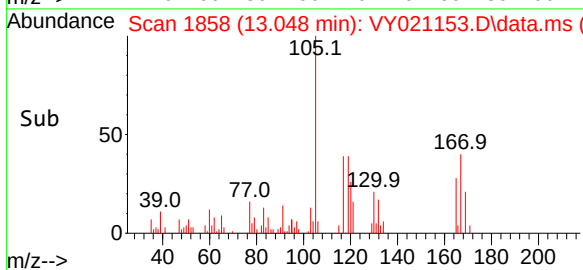
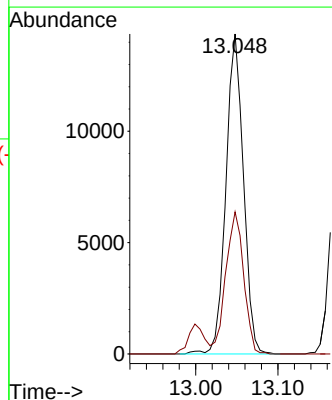
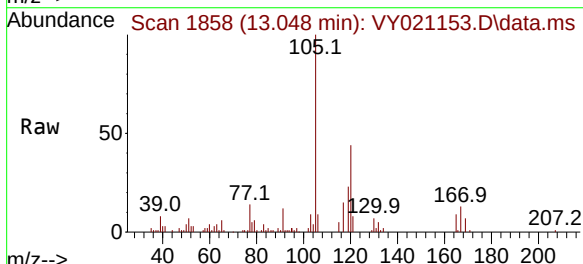
Manual Integrations
APPROVED

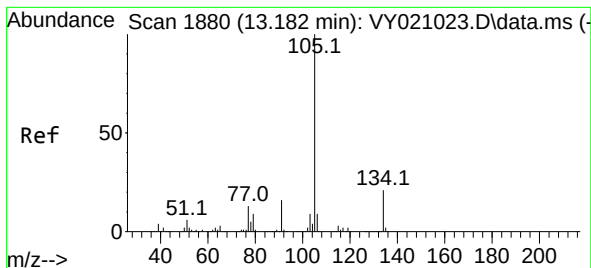
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#84
1,2,4-Trimethylbenzene
Concen: 3.845 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

Tgt Ion:105 Resp: 21259
Ion Ratio Lower Upper
105 100
120 45.6 22.1 66.3





#85

sec-Butylbenzene

Concen: 3.997 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. -0.006 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

Instrument :

MSVOA_Y

ClientSampleId :

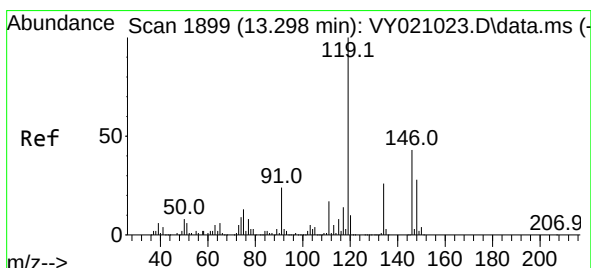
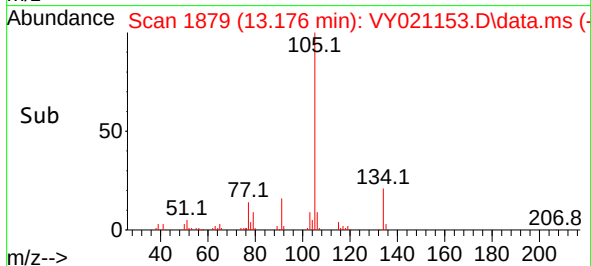
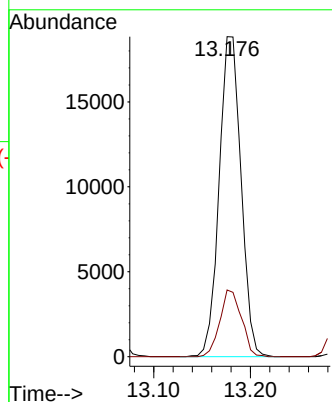
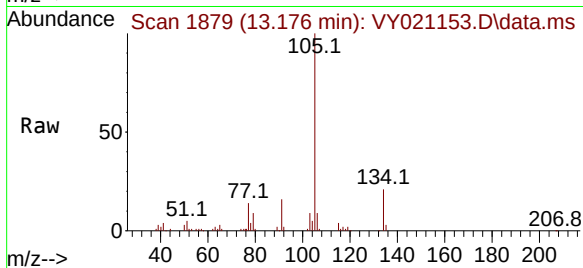
MDL-SOIL-03-QT1-2025

Tgt Ion:105 Resp: 29569
 Ion Ratio Lower Upper
 105 100
 134 20.6 9.7 28.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/11/2025
 Supervised By :Semsettin Yesilyurt 02/11/2025



#86

p-Isopropyltoluene

Concen: 3.892 ug/l

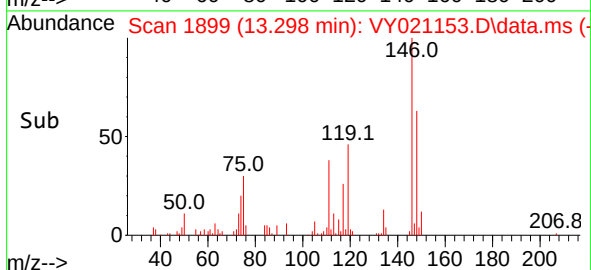
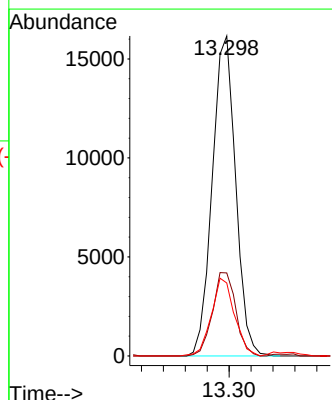
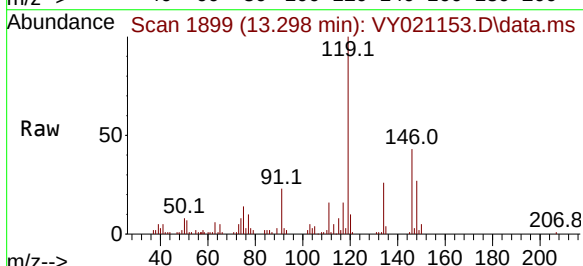
RT: 13.298 min Scan# 1899

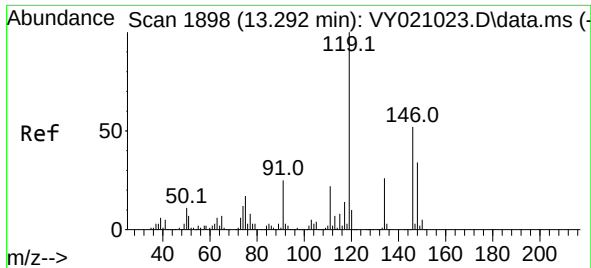
Delta R.T. -0.000 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

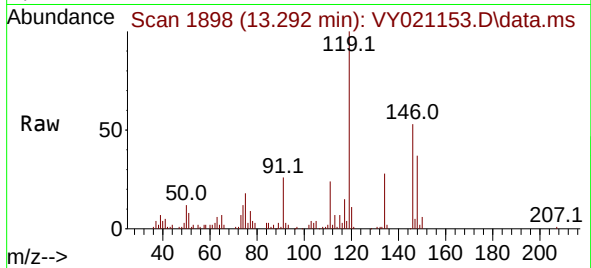
Tgt Ion:119 Resp: 23920
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.1 39.1
 91 24.1 11.7 35.0





#87
1,3-Dichlorobenzene
Concen: 4.171 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

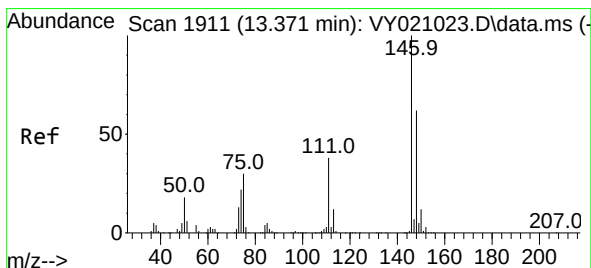
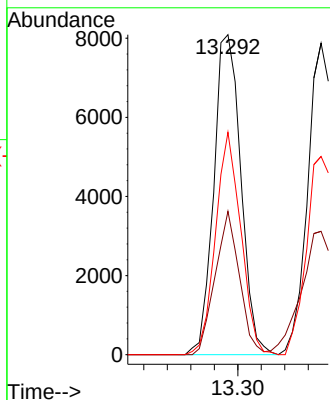
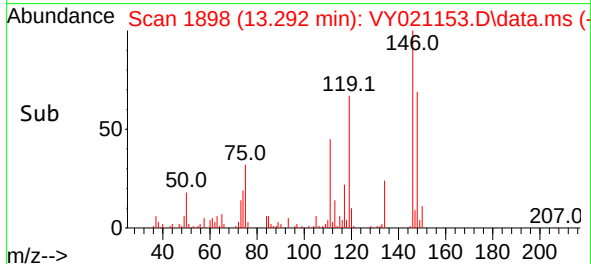
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2025



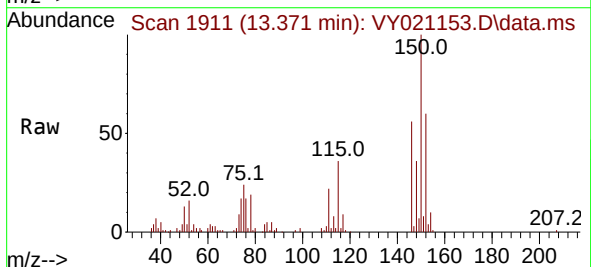
Tgt Ion:146 Resp: 1296
Ion Ratio Lower Upper
146 100
111 40.1 20.2 60.5
148 64.9 31.9 95.9

Manual Integrations
APPROVED

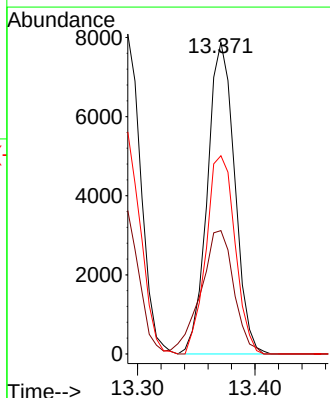
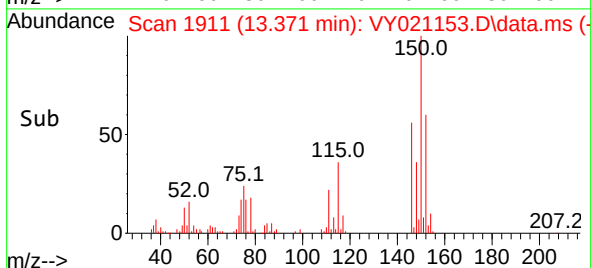
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025

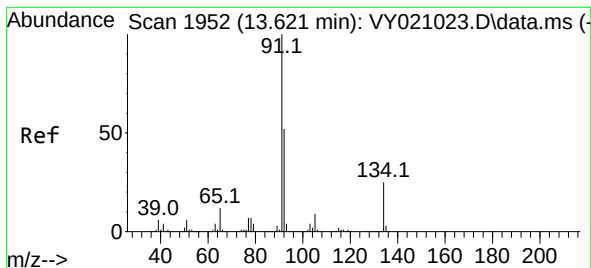


#88
1,4-Dichlorobenzene
Concen: 4.153 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05



Tgt Ion:146 Resp: 12708
Ion Ratio Lower Upper
146 100
111 48.2 19.3 57.9
148 67.7 31.6 94.7





#89

n-Butylbenzene

Concen: 3.797 ug/l

RT: 13.621 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

Instrument :

MSVOA_Y

ClientSampleId :

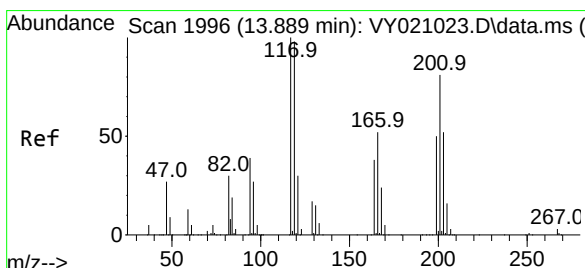
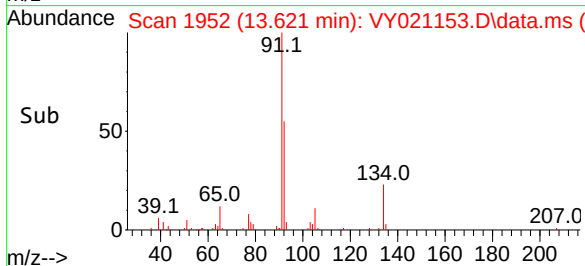
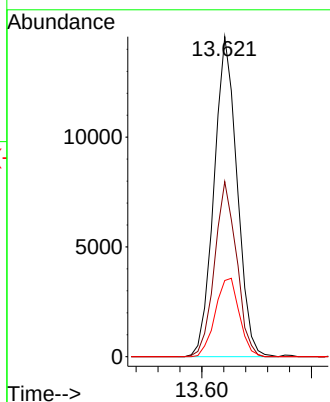
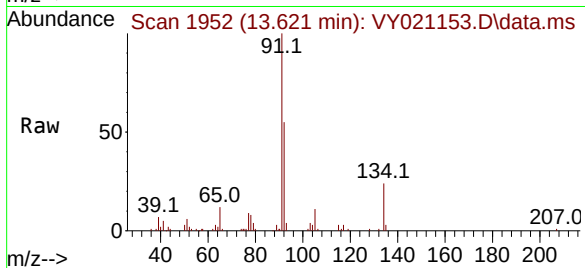
MDL-SOIL-03-QT1-2025

Tgt Ion:	91	Resp:	2128
Ion Ratio	Lower	Upper	
91	100		
92	52.2	26.4	79.2
134	25.6	12.3	36.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#90

Hexachloroethane

Concen: 4.306 ug/l

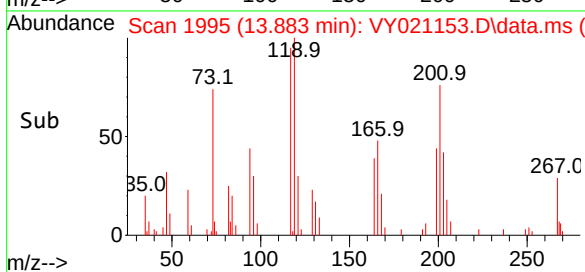
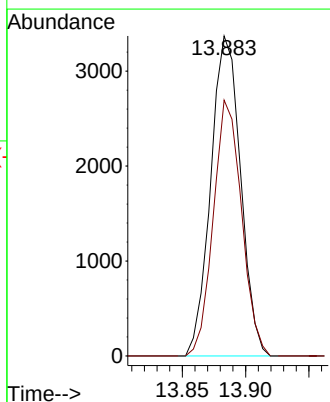
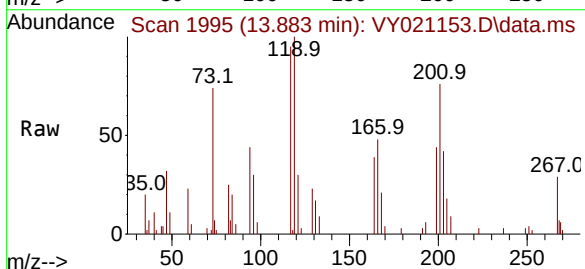
RT: 13.883 min Scan# 1995

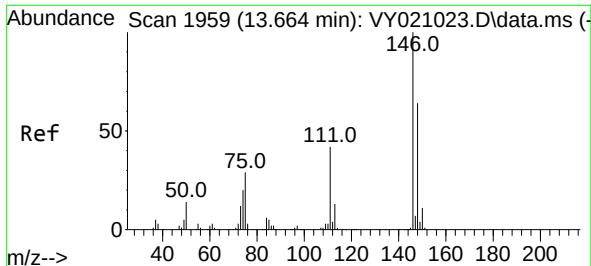
Delta R.T. -0.006 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

Tgt Ion:	117	Resp:	5521
Ion Ratio	Lower	Upper	
117	100		
201	75.8	33.4	100.1





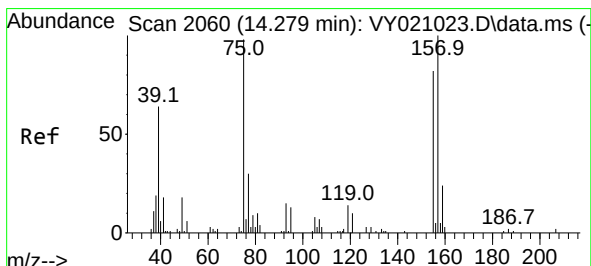
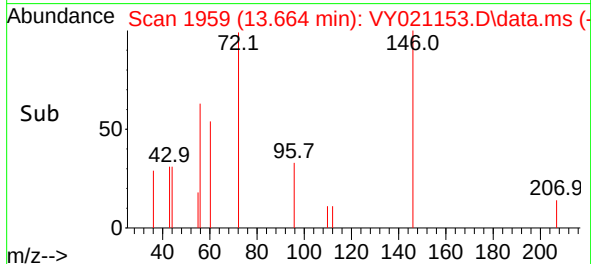
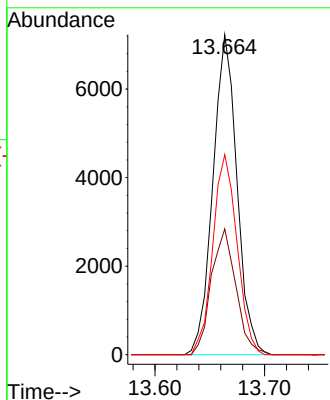
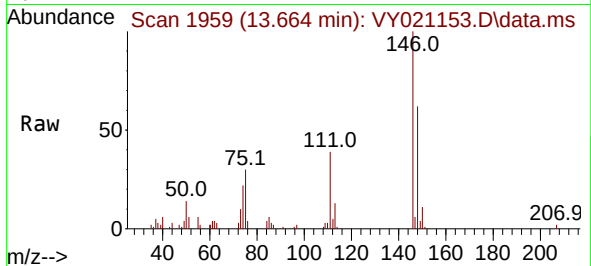
#91
1,2-Dichlorobenzene
Concen: 4.092 ug/l
RT: 13.664 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2025

Tgt Ion:146 Resp: 1103
Ion Ratio Lower Upper
146 100
111 40.3 20.5 61.6
148 63.1 31.4 94.3

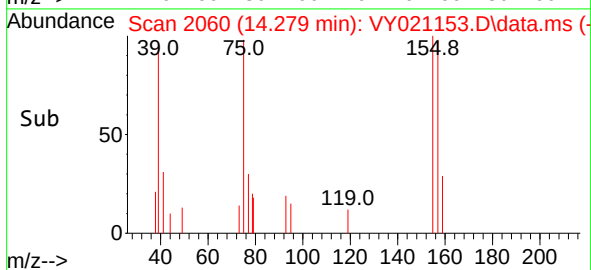
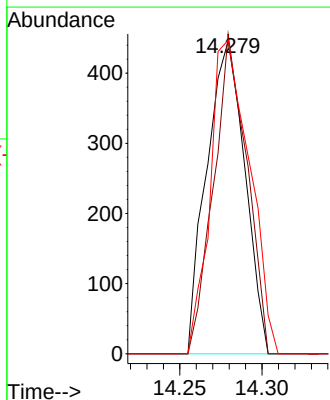
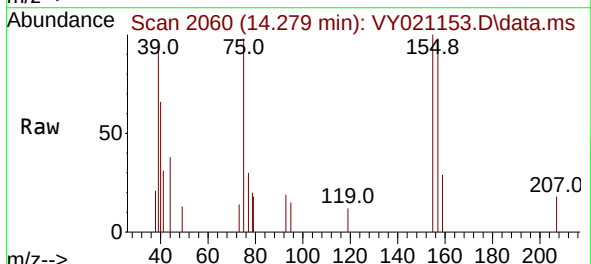
Manual Integrations
APPROVED

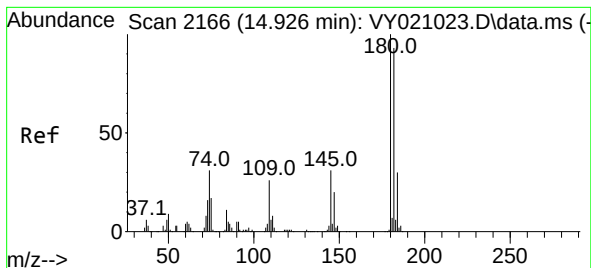
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.137 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. -0.000 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

Tgt Ion: 75 Resp: 717
Ion Ratio Lower Upper
75 100
155 89.0 42.1 126.3
157 103.9 55.8 167.4





#93

1,2,4-Trichlorobenzene

Concen: 3.605 ug/l

RT: 14.926 min Scan# 2166

Delta R.T. -0.000 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

Instrument :

MSVOA_Y

ClientSampleId :

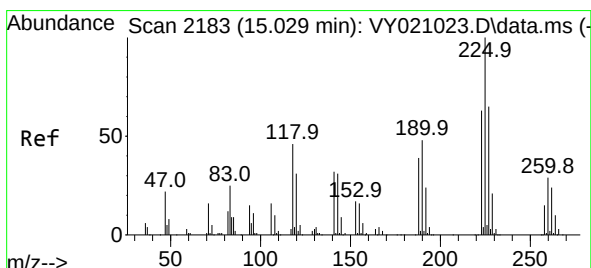
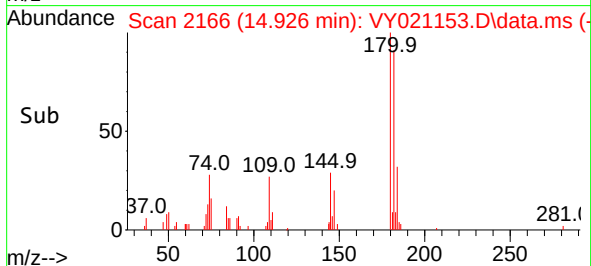
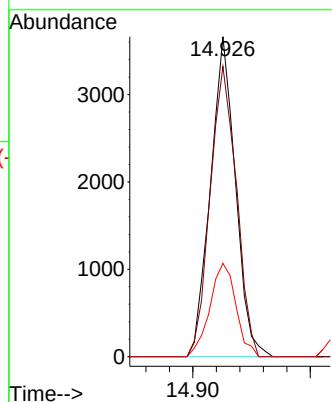
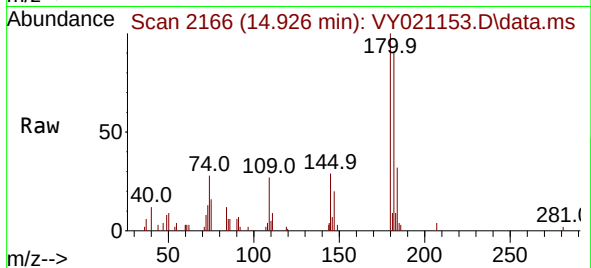
MDL-SOIL-03-QT1-2025

Tgt Ion:180	Resp:	541
Ion Ratio	Lower	Upper
180	100	
182	95.1	47.9 143.7
145	30.4	15.9 47.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#94

Hexachlorobutadiene

Concen: 4.069 ug/l

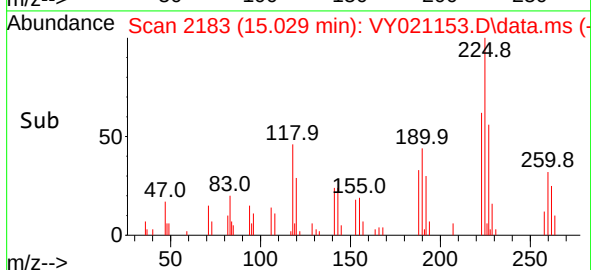
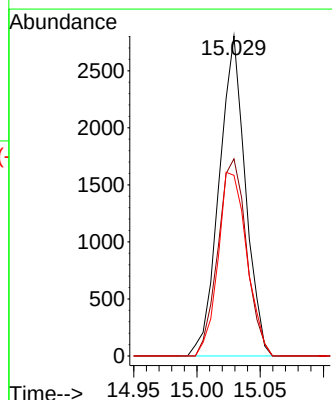
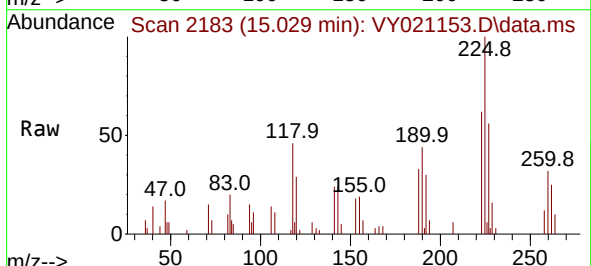
RT: 15.029 min Scan# 2183

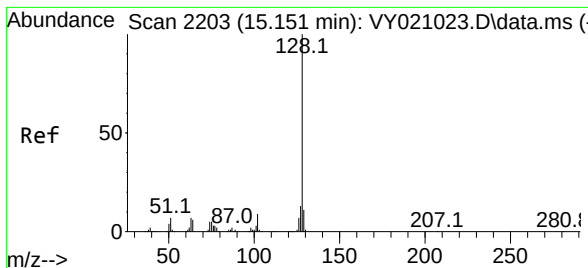
Delta R.T. -0.000 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

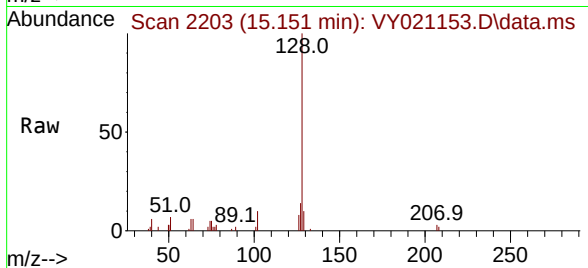
Tgt Ion:225	Resp:	4048
Ion Ratio	Lower	Upper
225	100	
223	66.8	31.4 94.3
227	62.9	32.3 96.8





#95
Naphthalene
Concen: 3.351 ug/l
RT: 15.151 min Scan# 2203
Delta R.T. -0.000 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05

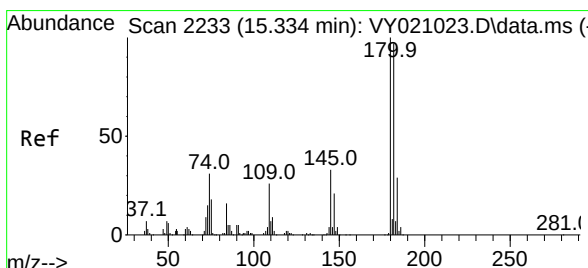
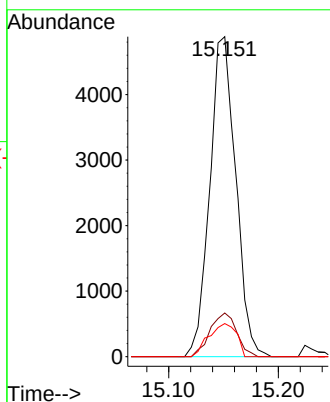
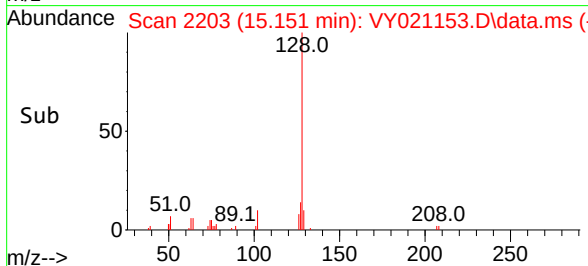
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025



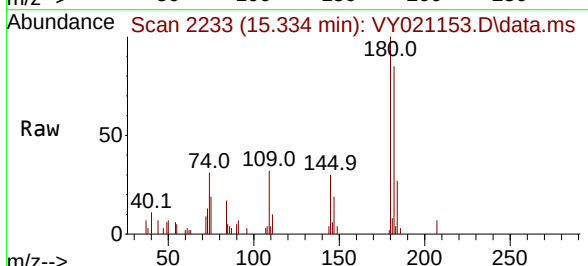
Tgt Ion:128 Resp: 8050
Ion Ratio Lower Upper
128 100
127 14.0 10.2 15.4
129 11.0 8.6 12.8

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#96
1,2,3-Trichlorobenzene
Concen: 3.757 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. -0.000 min
Lab File: VY021153.D
Acq: 10 Feb 2025 13:05



Tgt Ion:180 Resp: 4694
Ion Ratio Lower Upper
180 100
182 90.6 46.3 138.8
145 29.8 16.1 48.2

