

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021025\
 Data File : VY021152.D
 Acq On : 10 Feb 2025 12:20
 Operator : SY/MD
 Sample : Q1168-03 2.5 PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Feb 11 00:28:45 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	161121	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	253187	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	214168	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	100404	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	85104	51.553	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.100%			
35) Dibromofluoromethane	7.640	113	79114	48.758	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.520%			
50) Toluene-d8	10.115	98	298438	48.312	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.620%			
62) 4-Bromofluorobenzene	12.414	95	96503	47.819	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.640%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	3629	2.527	ug/l	98
3) Chloromethane	2.074	50	3290	2.322	ug/l	97
4) Vinyl Chloride	2.208	62	3025	2.121	ug/l	98
5) Bromomethane	2.605	94	2310	2.620	ug/l	81
6) Chloroethane	2.739	64	1896	2.233	ug/l	89
7) Trichlorofluoromethane	3.062	101	6134	2.361	ug/l	87
8) Diethyl Ether	3.464	74	2025	2.496	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.824	101	4110	2.520	ug/l	94
10) Methyl Iodide	4.025	142	3716	2.051	ug/l #	88
11) Tert butyl alcohol	4.872	59	2234m	19.970	ug/l	
12) 1,1-Dichloroethene	3.800	96	3560	2.317	ug/l	93
13) Acrolein	3.665	56	1826	10.600	ug/l	94
14) Allyl chloride	4.385	41	6004	2.319	ug/l	94
15) Acrylonitrile	5.080	53	4245	12.567	ug/l	96
16) Acetone	3.879	43	3640	14.139	ug/l	96
17) Carbon Disulfide	4.123	76	9459	1.964	ug/l	99
18) Methyl Acetate	4.397	43	2756	3.050	ug/l #	89
19) Methyl tert-butyl Ether	5.122	73	9444	2.432	ug/l	99
20) Methylene Chloride	4.629	84	4147	2.591	ug/l #	93
21) trans-1,2-Dichloroethene	5.129	96	4109	2.430	ug/l	83
22) Diisopropyl ether	6.031	45	12126	2.272	ug/l	95
23) Vinyl Acetate	5.976	43	33327	11.202	ug/l	95
24) 1,1-Dichloroethane	5.933	63	7558	2.417	ug/l	94
25) 2-Butanone	6.915	43	5446	12.873	ug/l	98
26) 2,2-Dichloropropane	6.897	77	7488	2.588	ug/l	93
27) cis-1,2-Dichloroethene	6.903	96	4758	2.444	ug/l	92
28) Bromochloromethane	7.256	49	3209	2.595	ug/l #	96
29) Tetrahydrofuran	7.268	42	3554	12.415	ug/l	93
30) Chloroform	7.427	83	8104	2.523	ug/l	94
31) Cyclohexane	7.713	56	8995	3.195	ug/l #	67
32) 1,1,1-Trichloroethane	7.622	97	7524	2.520	ug/l	98
36) 1,1-Dichloropropene	7.841	75	5695	2.370	ug/l	99
37) Ethyl Acetate	6.994	43	2572	2.439	ug/l #	95
38) Carbon Tetrachloride	7.823	117	6620	2.357	ug/l	98
39) Methylcyclohexane	9.116	83	6920	2.354	ug/l	95
40) Benzene	8.085	78	17063	2.419	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	1283	2.103	ug/l #	83
42) 1,2-Dichloroethane	8.158	62	5031	2.571	ug/l	95
43) Isopropyl Acetate	8.207	43	5090	2.430	ug/l #	83
44) Trichloroethene	8.872	130	4440	2.437	ug/l	81
45) 1,2-Dichloropropane	9.146	63	4126	2.465	ug/l	91
46) Dibromomethane	9.238	93	2261	2.439	ug/l	98
47) Bromodichloromethane	9.427	83	6193	2.491	ug/l	96
48) Methyl methacrylate	9.225	41	2243	2.350	ug/l #	82
49) 1,4-Dioxane	9.244	88	417	48.328	ug/l	89
51) 4-Methyl-2-Pentanone	10.006	43	12036	11.425	ug/l	95
52) Toluene	10.176	92	10406	2.350	ug/l	97
53) t-1,3-Dichloropropene	10.402	75	5251	2.353	ug/l	96
54) cis-1,3-Dichloropropene	9.866	75	6115	2.314	ug/l	98
55) 1,1,2-Trichloroethane	10.579	97	2984	2.486	ug/l	95
56) Ethyl methacrylate	10.451	69	3262	2.032	ug/l #	77
57) 1,3-Dichloropropane	10.725	76	5069	2.440	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.719	63	8123	10.634	ug/l	98
59) 2-Hexanone	10.768	43	7673	11.312	ug/l	92
60) Dibromochloromethane	10.914	129	3967	2.354	ug/l	96
61) 1,2-Dibromoethane	11.018	107	2692	2.395	ug/l	98
64) Tetrachloroethene	10.658	164	3790	2.384	ug/l	96
65) Chlorobenzene	11.451	112	11686	2.451	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	4285	2.528	ug/l	98
67) Ethyl Benzene	11.524	91	19541	2.317	ug/l	99
68) m/p-Xylenes	11.633	106	14515	4.600	ug/l	100
69) o-Xylene	11.963	106	6580	2.237	ug/l	95
70) Styrene	11.975	104	11215	2.287	ug/l	98
71) Bromoform	12.133	173	2390	2.534	ug/l #	96
73) Isopropylbenzene	12.261	105	17029	2.171	ug/l	95
74) N-amyl acetate	12.079	43	3635	2.120	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.511	83	3473	2.663	ug/l	94
76) 1,2,3-Trichloropropane	12.560	75	2523m	2.770	ug/l	
77) Bromobenzene	12.542	156	4527	2.501	ug/l	92
78) n-propylbenzene	12.603	91	22708	2.431	ug/l	99
79) 2-Chlorotoluene	12.688	91	13190	2.465	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	14931	2.348	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.304	75	980m	2.196	ug/l	
82) 4-Chlorotoluene	12.786	91	13445	2.466	ug/l	99
83) tert-Butylbenzene	13.005	119	13142	2.274	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	13955	2.244	ug/l	96
85) sec-Butylbenzene	13.182	105	19292	2.319	ug/l	99
86) p-Isopropyltoluene	13.298	119	15558	2.251	ug/l	99
87) 1,3-Dichlorobenzene	13.298	146	8640	2.472	ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	9075	2.637	ug/l	86
89) n-Butylbenzene	13.627	91	14504	2.300	ug/l	97
90) Hexachloroethane	13.889	117	3557	2.467	ug/l	89
91) 1,2-Dichlorobenzene	13.664	146	7574	2.497	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.279	75	436	2.237	ug/l	93
93) 1,2,4-Trichlorobenzene	14.932	180	3936	2.331	ug/l	97
94) Hexachlorobutadiene	15.029	225	2954	2.640	ug/l	95
95) Naphthalene	15.151	128	6075	2.249	ug/l	98
96) 1,2,3-Trichlorobenzene	15.334	180	3331	2.371	ug/l	97

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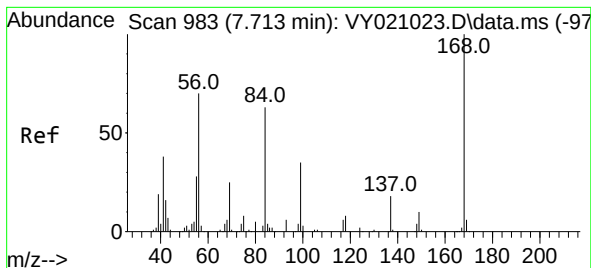
Manual Integrations
APPROVED

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

Quant Time: Feb 11 00:28:45 2025
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Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 2025
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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: VY021152.D

Acq: 10 Feb 2025 12:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion:168 Resp: 16112

Ion Ratio Lower Upper

168 100

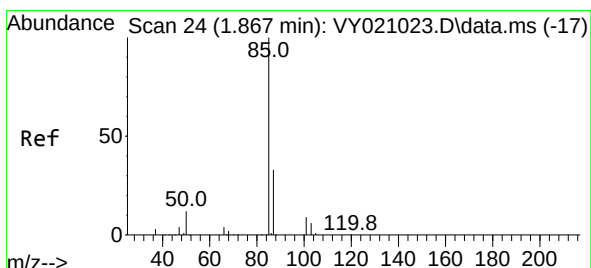
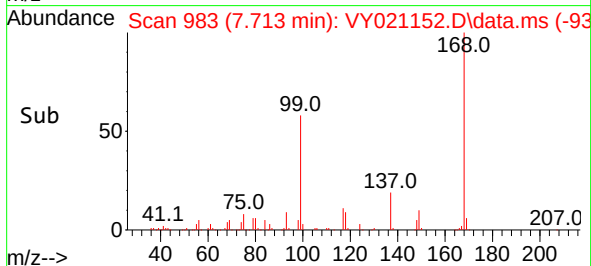
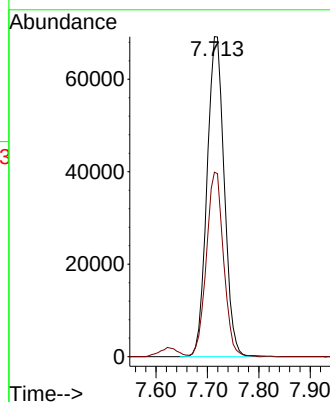
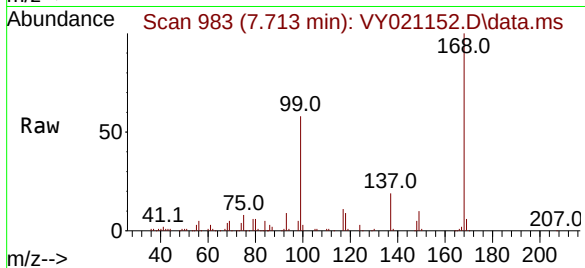
99 57.6 44.2 66.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 02/11/2025

Supervised By :Semsettin Yesilyurt 02/11/2025



#2

Dichlorodifluoromethane

Concen: 2.527 ug/l

RT: 1.867 min Scan# 24

Delta R.T. -0.000 min

Lab File: VY021152.D

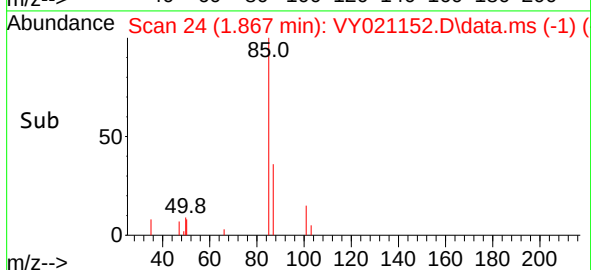
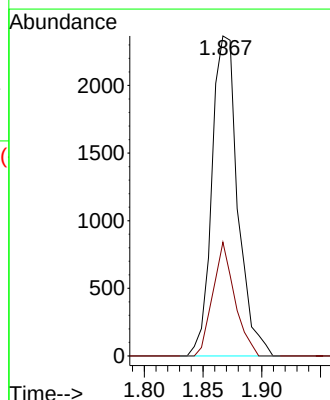
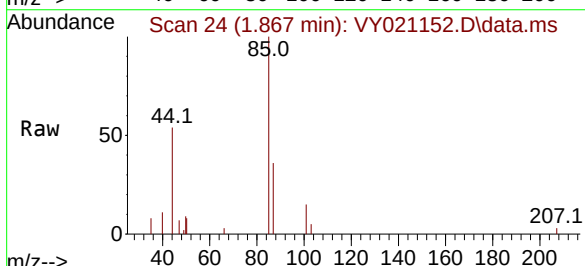
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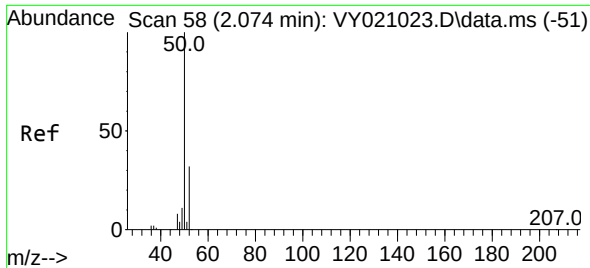
Tgt Ion: 85 Resp: 3629

Ion Ratio Lower Upper

85 100

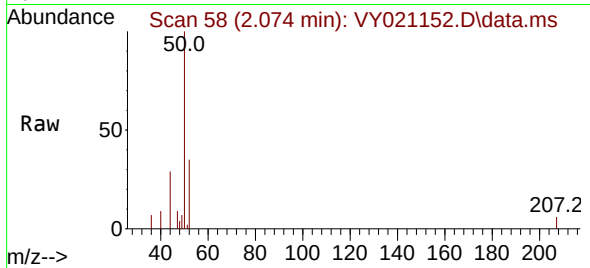
87 35.5 17.1 51.3





#3
Chloromethane
Concen: 2.322 ug/l
RT: 2.074 min Scan# 58
Delta R.T. -0.000 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

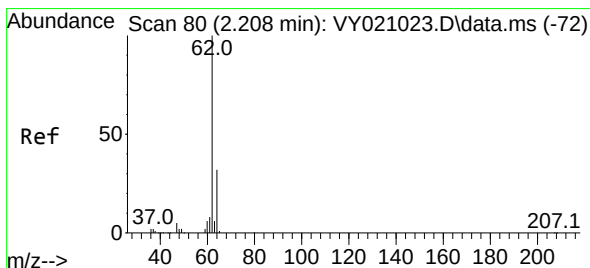
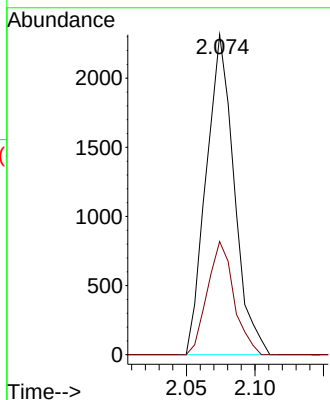
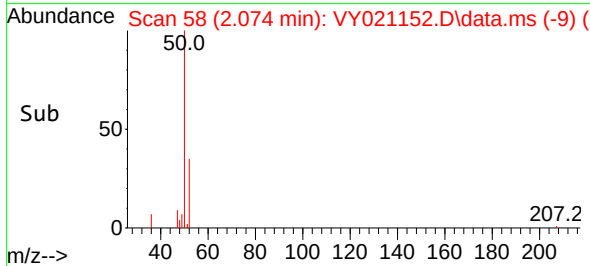
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025



Tgt Ion: 50 Resp: 3290
Ion Ratio Lower Upper
50 100
52 35.4 26.7 40.1

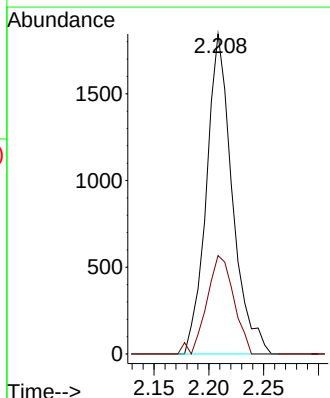
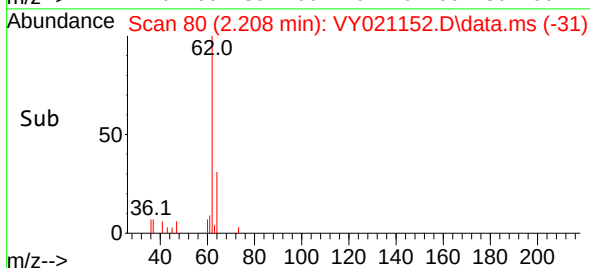
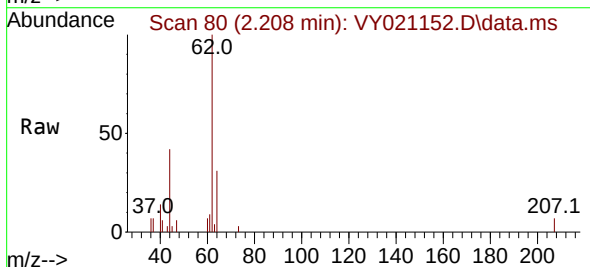
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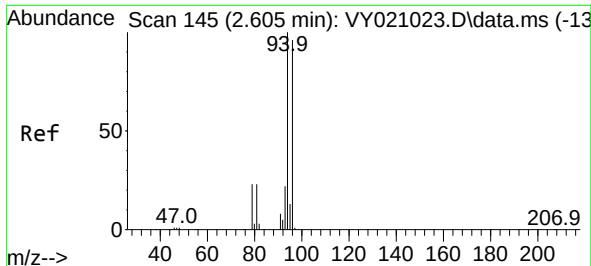
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#4
Vinyl Chloride
Concen: 2.121 ug/l
RT: 2.208 min Scan# 80
Delta R.T. -0.000 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

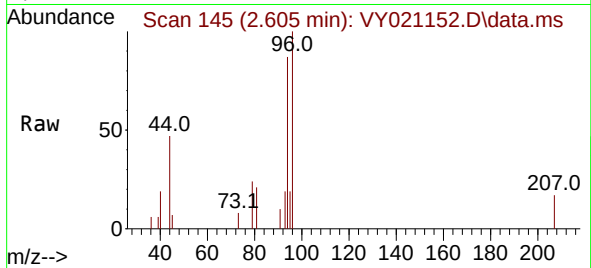
Tgt Ion: 62 Resp: 3025
Ion Ratio Lower Upper
62 100
64 30.8 25.7 38.5





#5
Bromomethane
Concen: 2.620 ug/l
RT: 2.605 min Scan# 145
Delta R.T. -0.000 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

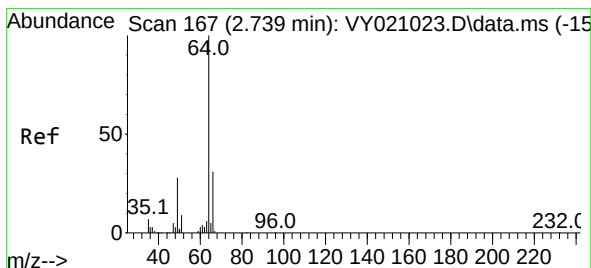
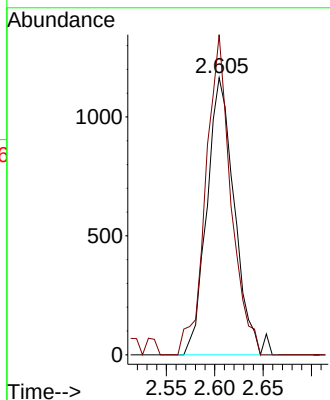
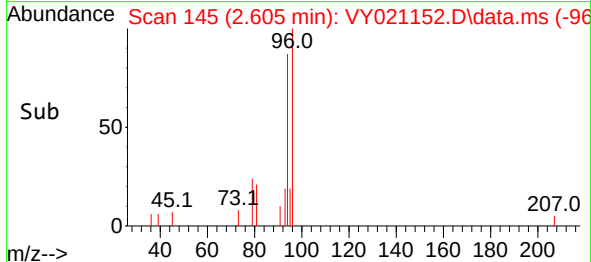
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Tgt Ion: 94 Resp: 2310
Ion Ratio Lower Upper
94 100
96 115.5 77.3 115.9

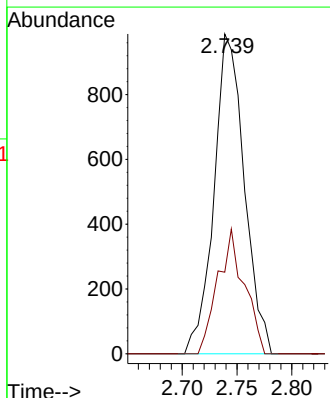
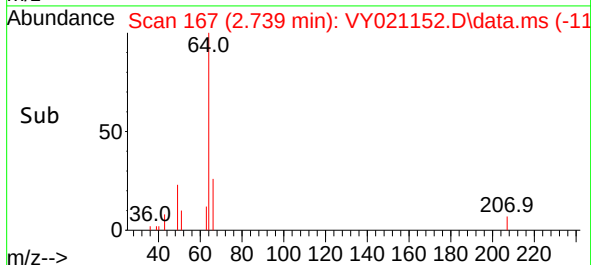
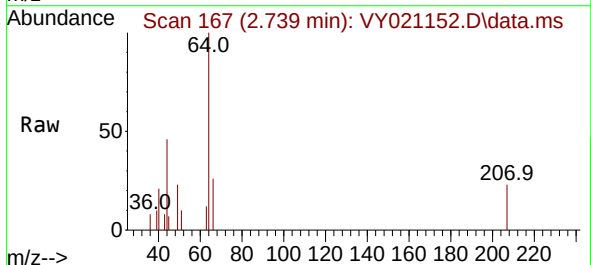
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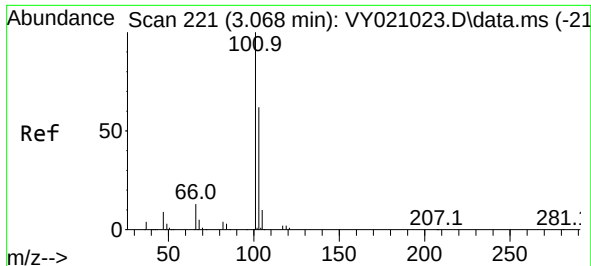
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#6
Chloroethane
Concen: 2.233 ug/l
RT: 2.739 min Scan# 167
Delta R.T. -0.000 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

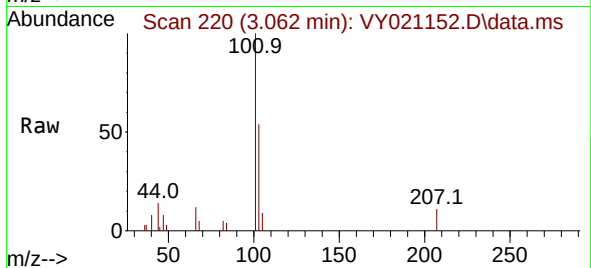
Tgt Ion: 64 Resp: 1896
Ion Ratio Lower Upper
64 100
66 25.5 25.1 37.7





#7
Trichlorofluoromethane
Concen: 2.361 ug/l
RT: 3.062 min Scan# 211
Delta R.T. -0.006 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

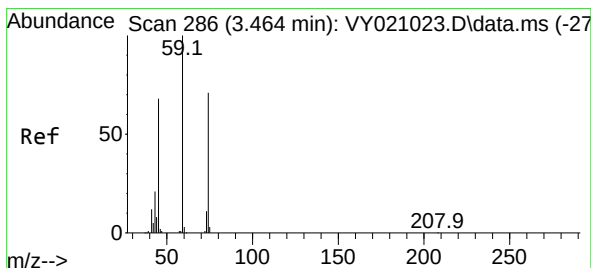
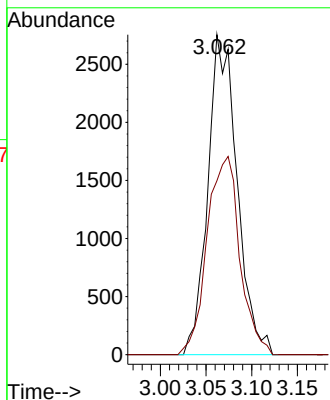
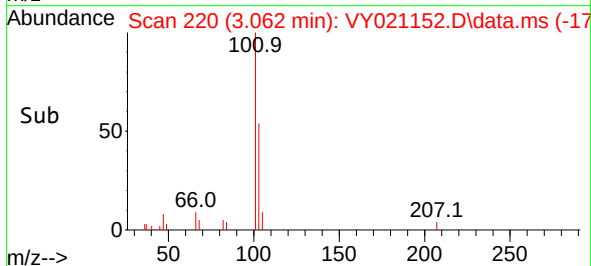
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025



Tgt Ion:101 Resp: 6134
Ion Ratio Lower Upper
101 100
103 54.3 51.9 77.9

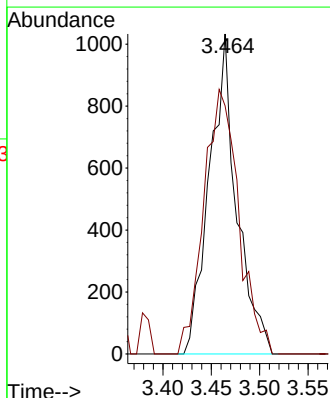
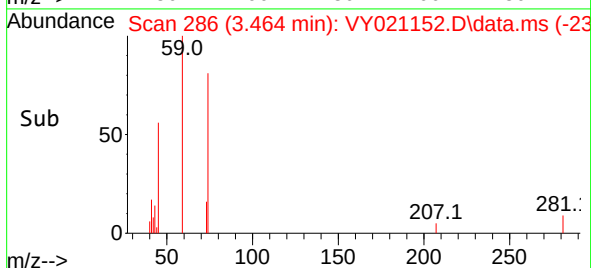
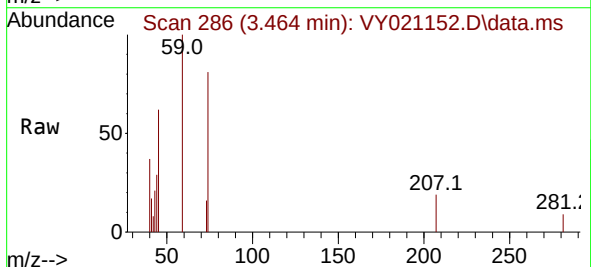
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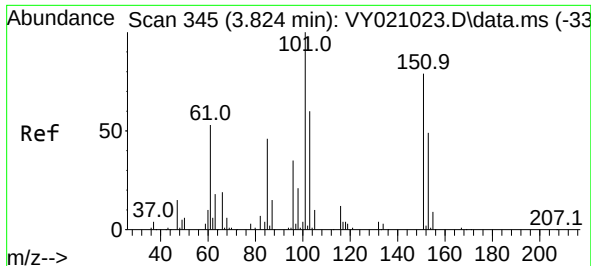
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#8
Diethyl Ether
Concen: 2.496 ug/l
RT: 3.464 min Scan# 286
Delta R.T. 0.000 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

Tgt Ion: 74 Resp: 2025
Ion Ratio Lower Upper
74 100
45 105.8 47.9 143.7





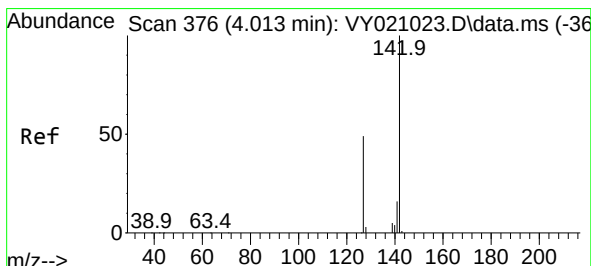
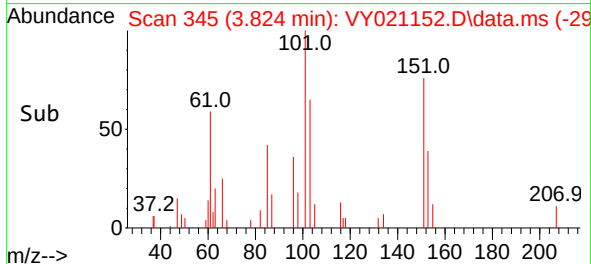
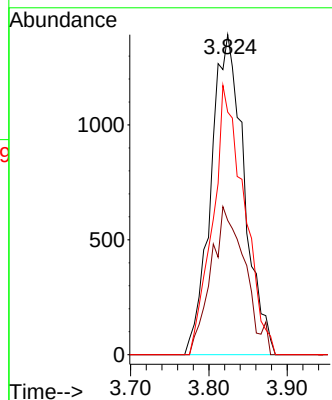
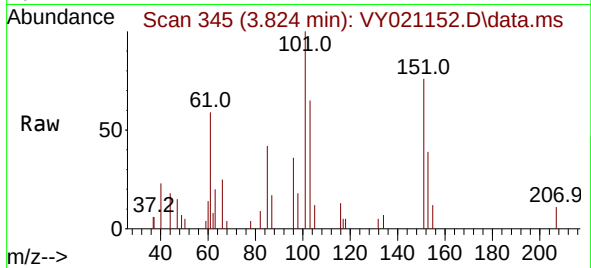
#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.520 ug/l
RT: 3.824 min Scan# 345
Delta R.T. -0.000 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

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

Tgt Ion:101 Resp: 4110
Ion Ratio Lower Upper
101 100
85 47.4 35.8 53.6
151 79.8 58.6 88.0

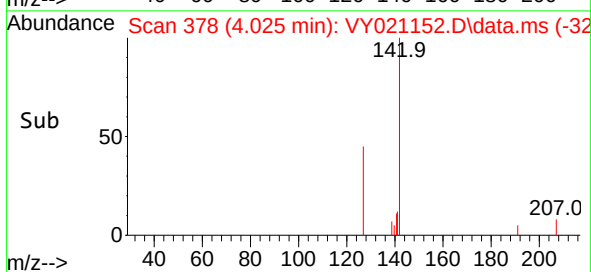
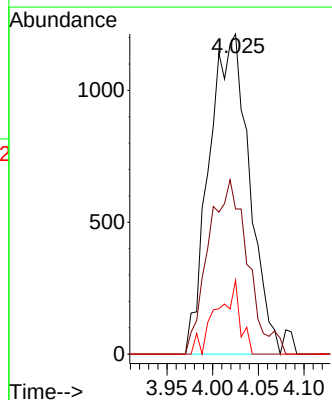
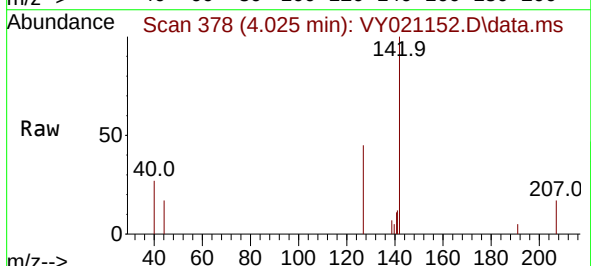
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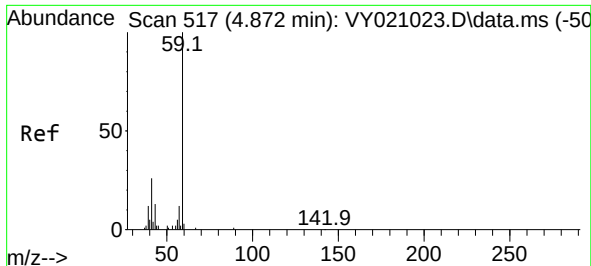
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#10
Methyl Iodide
Concen: 2.051 ug/l
RT: 4.025 min Scan# 378
Delta R.T. 0.012 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

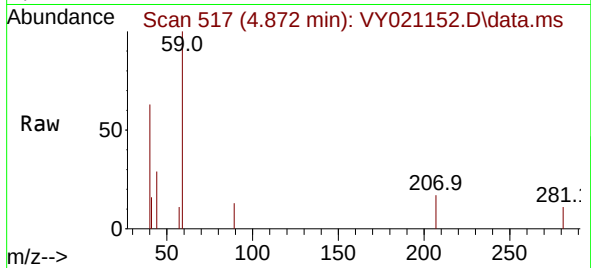
Tgt Ion:142 Resp: 3716
Ion Ratio Lower Upper
142 100
127 53.3 35.1 52.7#
141 13.2 11.8 17.6





#11
Tert butyl alcohol
Concen: 19.970 ug/l m
RT: 4.872 min Scan# 517
Delta R.T. 0.000 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

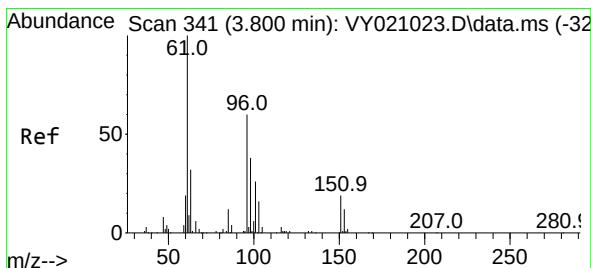
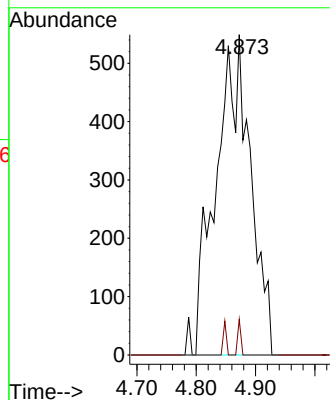
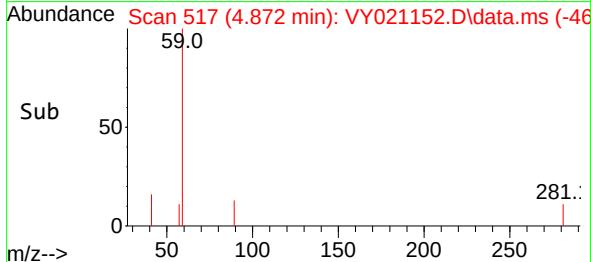
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025



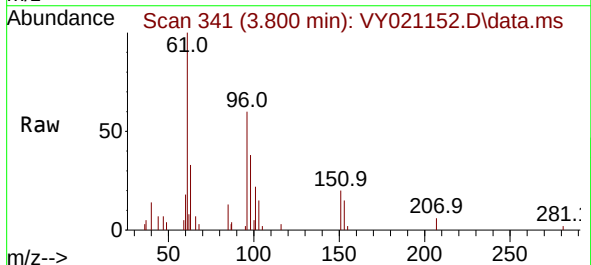
Tgt Ion: 59 Resp: 2234
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0

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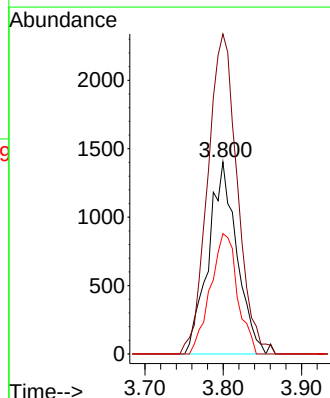
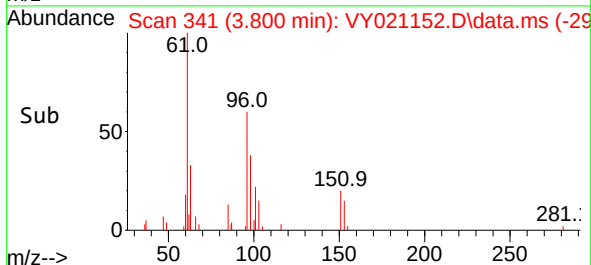
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025

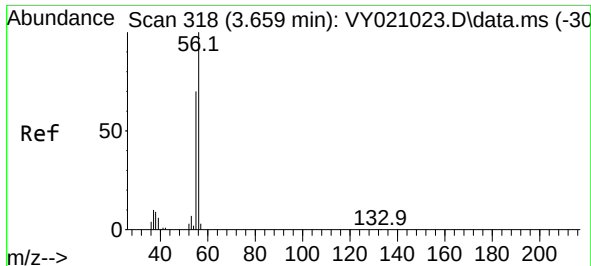


#12
1,1-Dichloroethene
Concen: 2.317 ug/l
RT: 3.800 min Scan# 341
Delta R.T. -0.000 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20



Tgt Ion: 96 Resp: 3560
Ion Ratio Lower Upper
96 100
61 166.7 124.2 186.2
98 62.7 52.6 79.0





#13

Acrolein

Concen: 10.600 ug/l

RT: 3.665 min Scan# 318

Delta R.T. 0.006 min

Lab File: VY021152.D

Acq: 10 Feb 2025 12:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion: 56 Resp: 1820

Ion Ratio Lower Upper

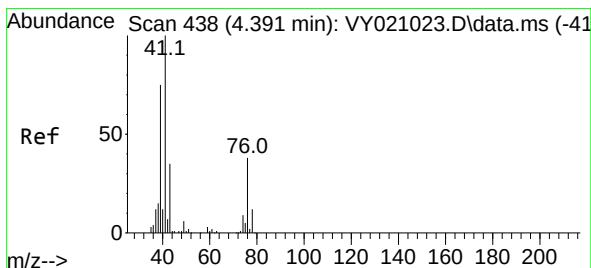
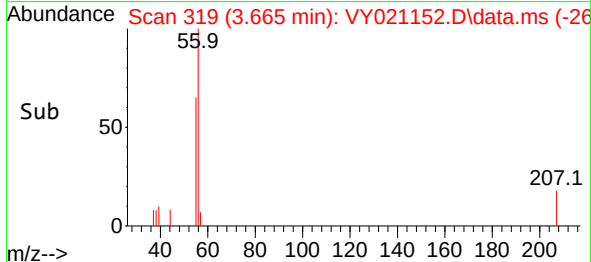
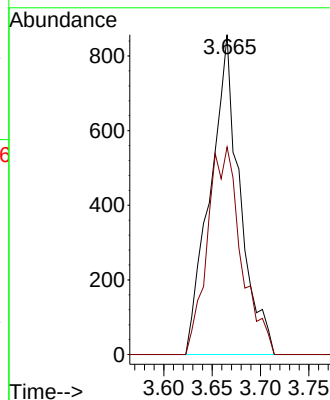
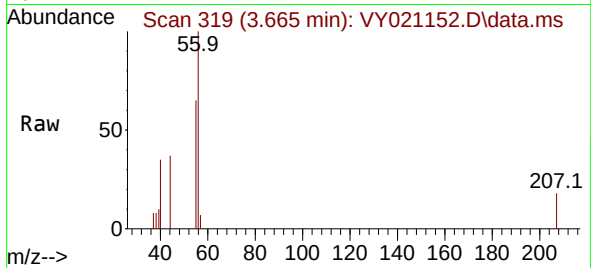
56 100

55 74.0 55.4 83.0

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



#14

Allyl chloride

Concen: 2.319 ug/l

RT: 4.385 min Scan# 437

Delta R.T. -0.006 min

Lab File: VY021152.D

Acq: 10 Feb 2025 12:20

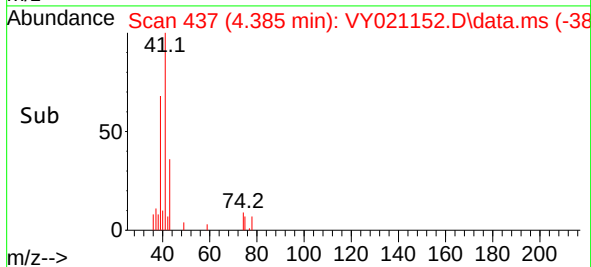
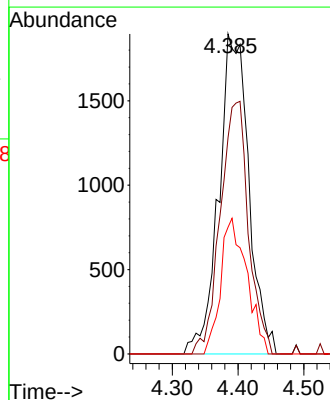
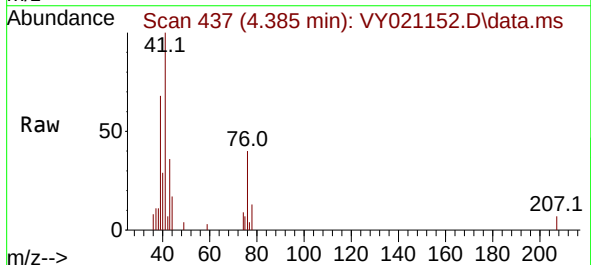
Tgt Ion: 41 Resp: 6004

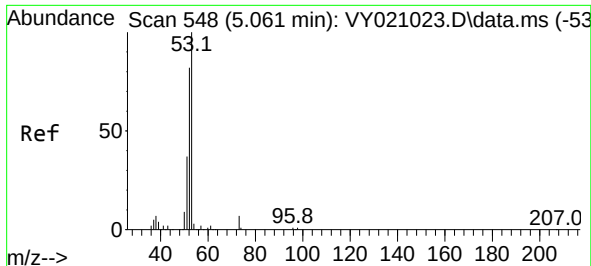
Ion Ratio Lower Upper

41 100

39 74.4 54.7 82.1

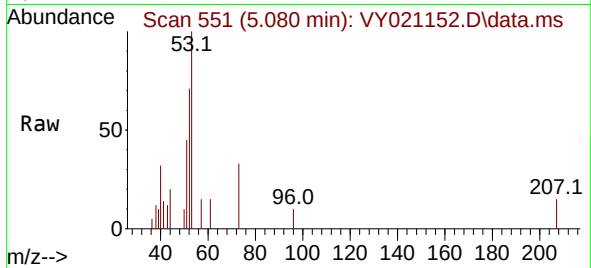
76 37.0 31.8 47.6





#15
Acrylonitrile
Concen: 12.567 ug/l
RT: 5.080 min Scan# 511
Delta R.T. 0.018 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

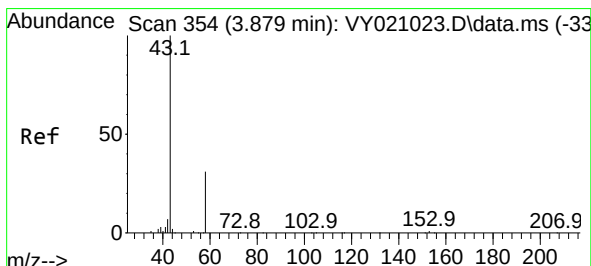
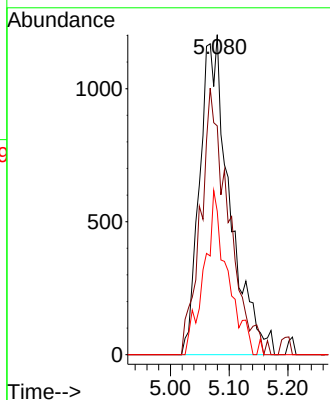
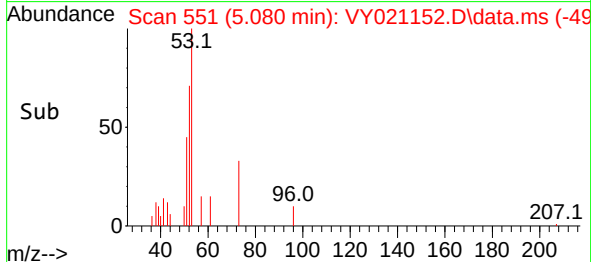
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025



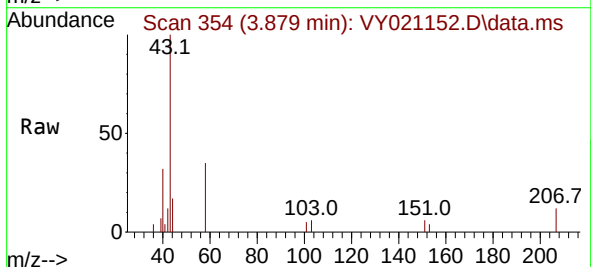
Tgt Ion: 53 Resp: 424
Ion Ratio Lower Upper
53 100
52 78.6 65.1 97.7
51 40.0 29.0 43.4

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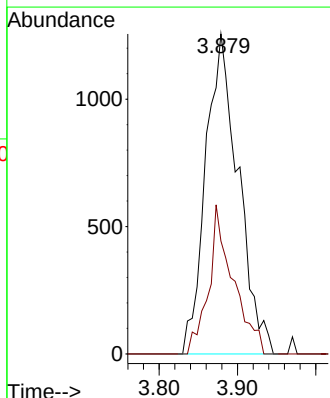
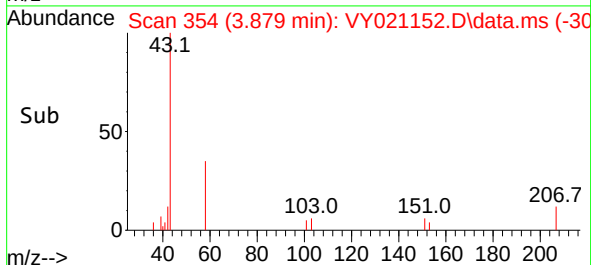
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025

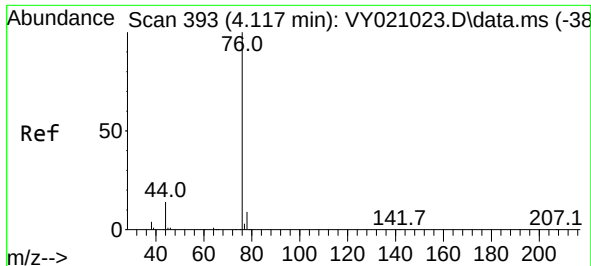


#16
Acetone
Concen: 14.139 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20



Tgt Ion: 43 Resp: 3640
Ion Ratio Lower Upper
43 100
58 35.3 26.6 39.8





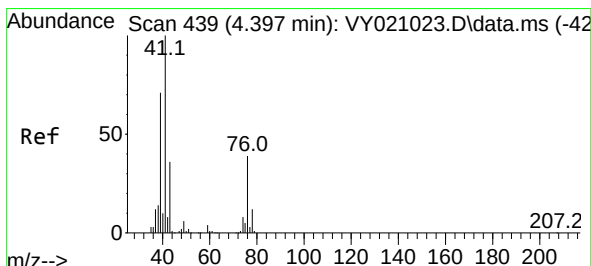
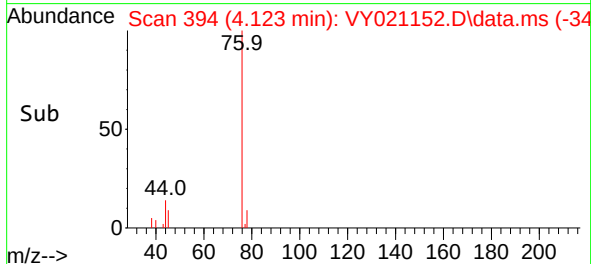
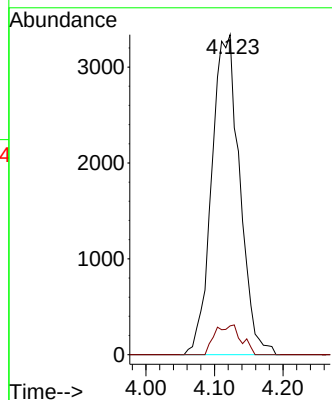
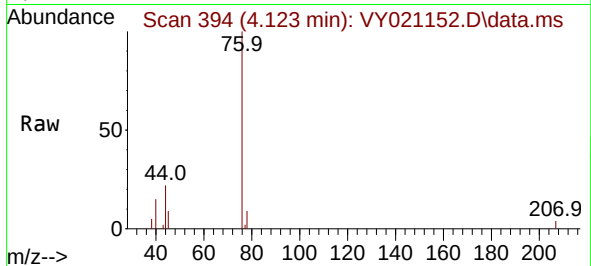
#17
Carbon Disulfide
Concen: 1.964 ug/l
RT: 4.123 min Scan# 394
Delta R.T. 0.006 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

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

Tgt Ion: 76 Resp: 945
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0

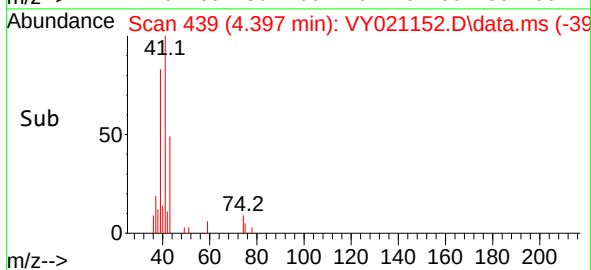
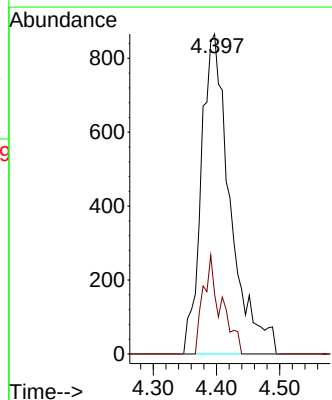
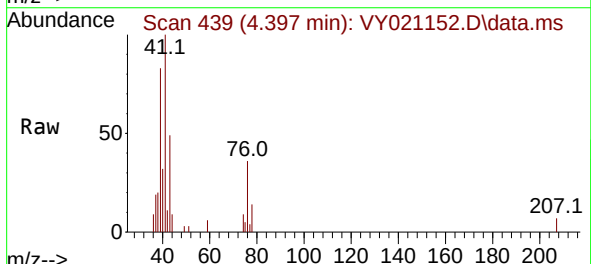
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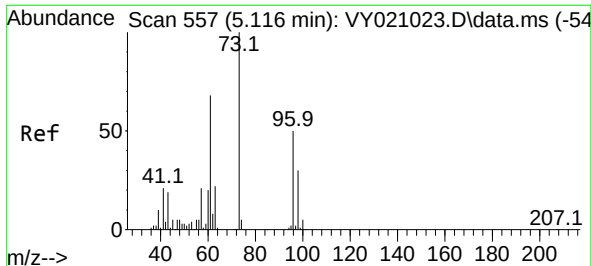
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#18
Methyl Acetate
Concen: 3.050 ug/l
RT: 4.397 min Scan# 439
Delta R.T. -0.000 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

Tgt Ion: 43 Resp: 2756
Ion Ratio Lower Upper
43 100
74 19.3 19.8 29.6#





#19

Methyl tert-butyl Ether

Concen: 2.432 ug/l

RT: 5.122 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY021152.D

Acq: 10 Feb 2025 12:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion: 73 Resp: 944

Ion Ratio Lower Upper

73 100

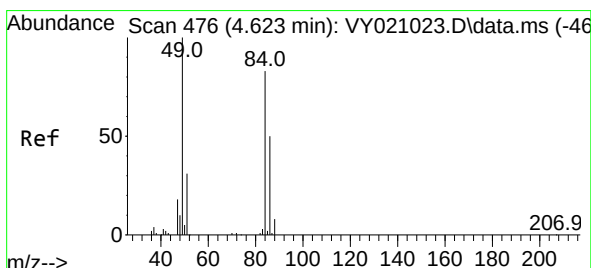
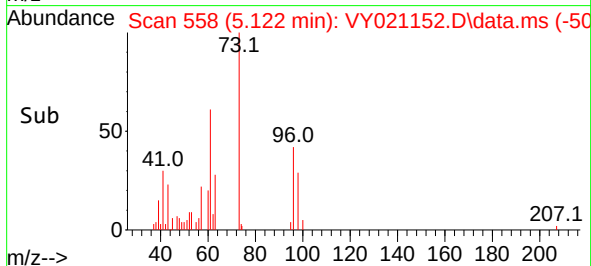
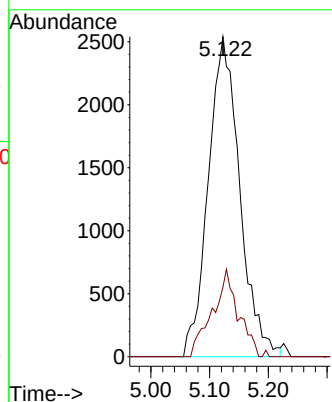
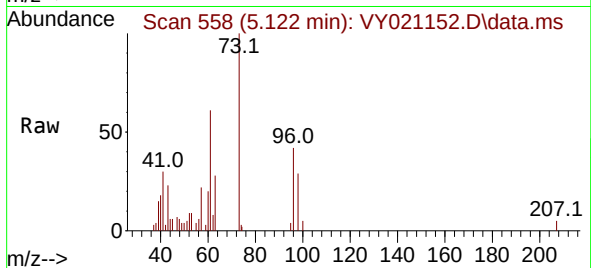
57 21.7 17.7 26.5

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Reviewed By :Mahesh Dadoda 02/11/2025

Supervised By :Semsettin Yesilyurt 02/11/2025



#20

Methylene Chloride

Concen: 2.591 ug/l

RT: 4.629 min Scan# 477

Delta R.T. 0.006 min

Lab File: VY021152.D

Acq: 10 Feb 2025 12:20

Tgt Ion: 84 Resp: 4147

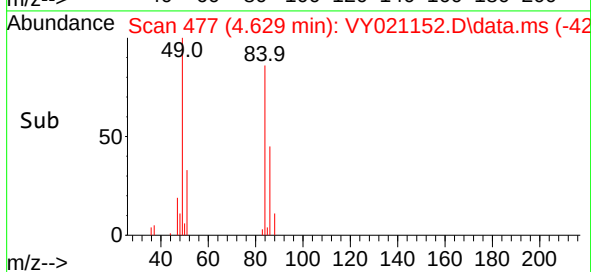
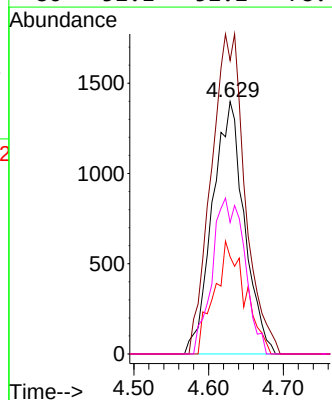
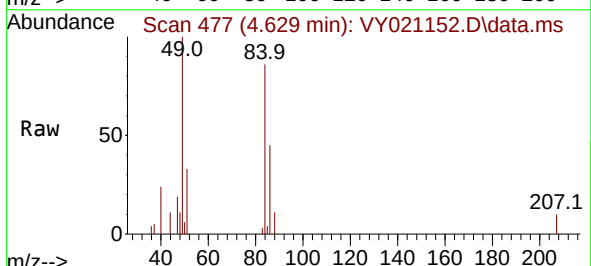
Ion Ratio Lower Upper

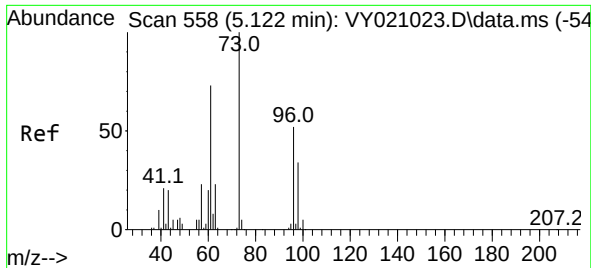
84 100

49 116.3 95.2 142.8

51 38.5 29.9 44.9

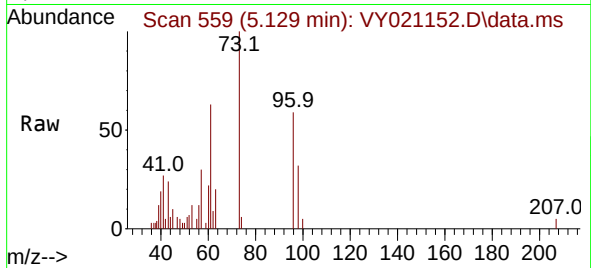
86 52.1 52.2 78.4#





#21
trans-1,2-Dichloroethene
Concen: 2.430 ug/l
RT: 5.129 min Scan# 510
Delta R.T. 0.006 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

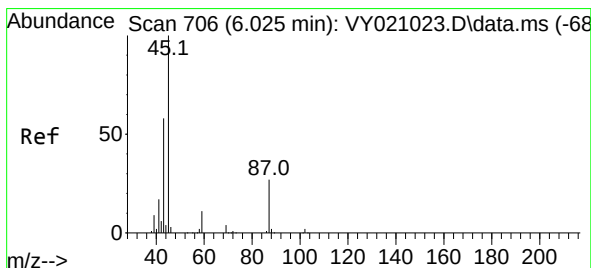
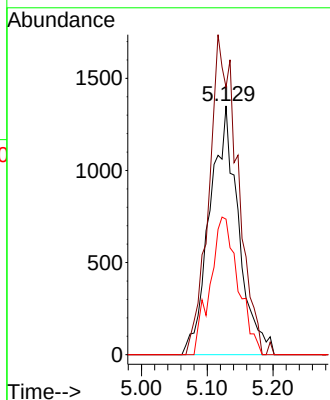
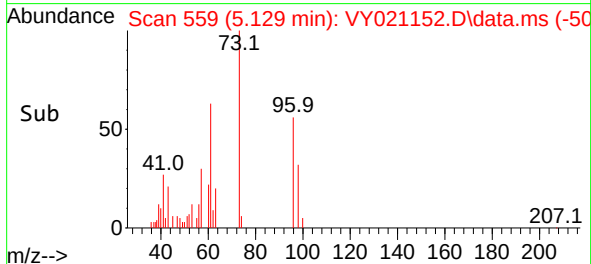
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025



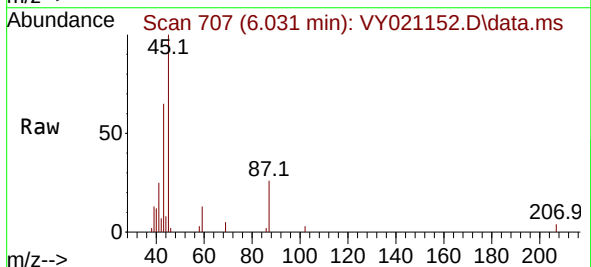
Tgt Ion: 96 Resp: 4109
Ion Ratio Lower Upper
96 100
61 107.5 104.6 156.8
98 54.5 50.9 76.3

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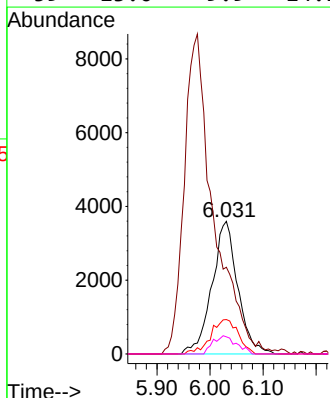
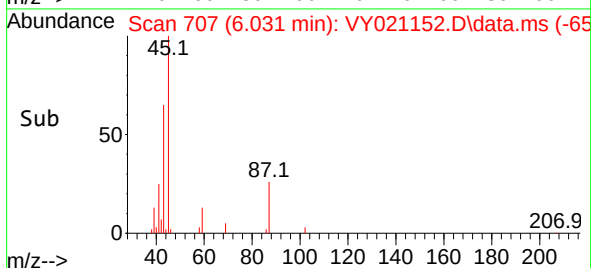
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025

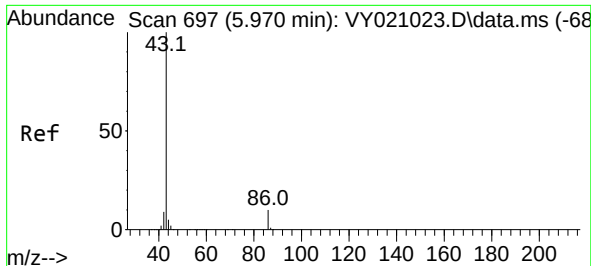


#22
Diisopropyl ether
Concen: 2.272 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20



Tgt Ion: 45 Resp: 12126
Ion Ratio Lower Upper
45 100
43 63.0 46.8 70.2
87 25.9 22.2 33.2
59 13.0 9.9 14.9





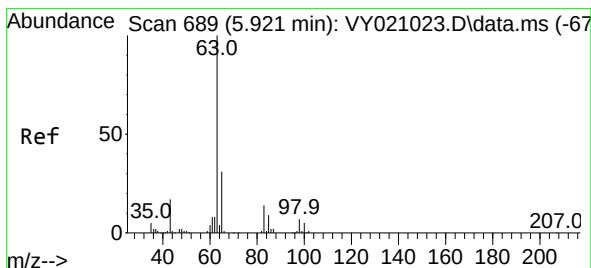
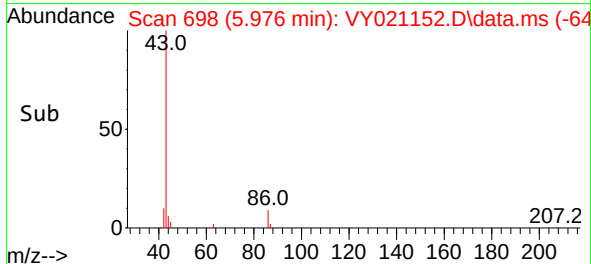
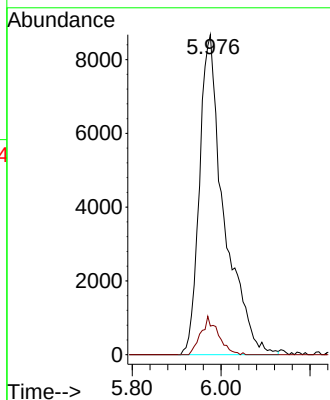
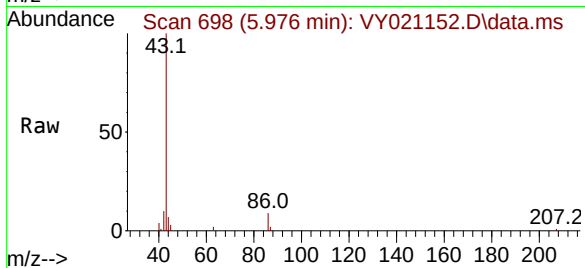
#23
 Vinyl Acetate
 Concen: 11.202 ug/l
 RT: 5.976 min Scan# 697
 Delta R.T. 0.006 min
 Lab File: VY021152.D
 Acq: 10 Feb 2025 12:20

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

Tgt Ion: 43 Resp: 3332
 Ion Ratio Lower Upper
 43 100
 86 9.0 8.6 13.0

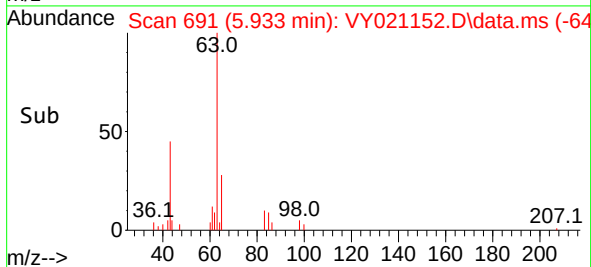
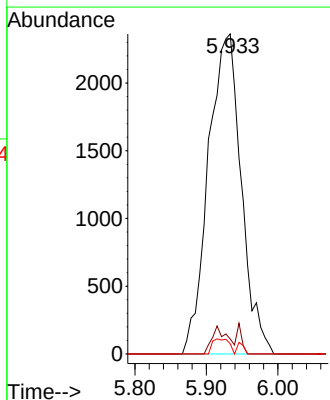
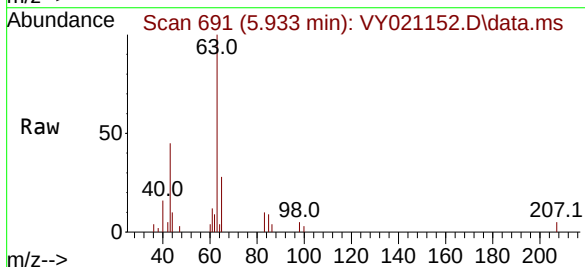
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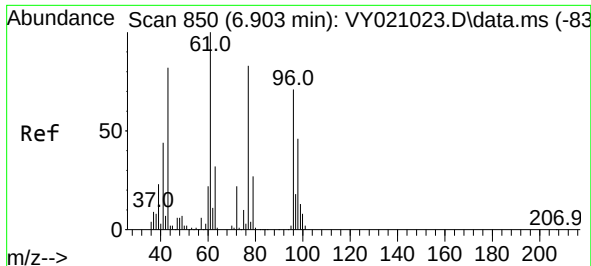
Reviewed By :Mahesh Dadoda 02/11/2025
 Supervised By :Semsettin Yesilyurt 02/11/2025



#24
 1,1-Dichloroethane
 Concen: 2.417 ug/l
 RT: 5.933 min Scan# 691
 Delta R.T. 0.012 min
 Lab File: VY021152.D
 Acq: 10 Feb 2025 12:20

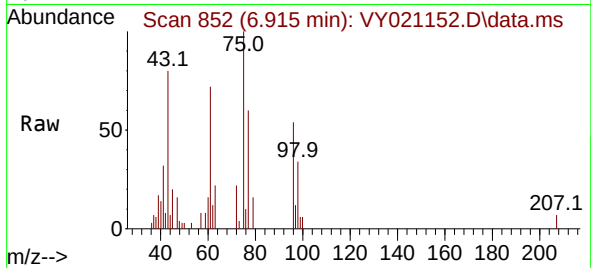
Tgt Ion: 63 Resp: 7558
 Ion Ratio Lower Upper
 63 100
 98 4.7 3.8 11.4
 100 3.2 2.1 6.2





#25
2-Butanone
Concen: 12.873 ug/l
RT: 6.915 min Scan# 850
Delta R.T. 0.012 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

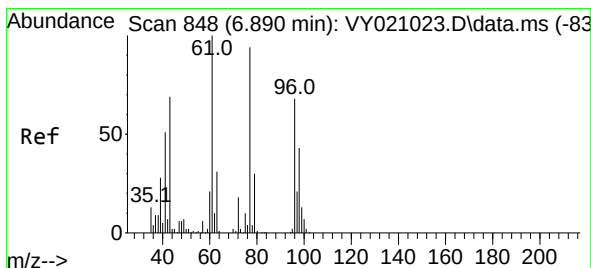
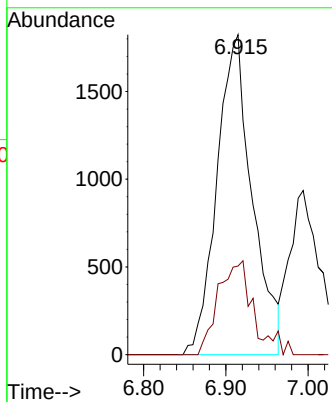
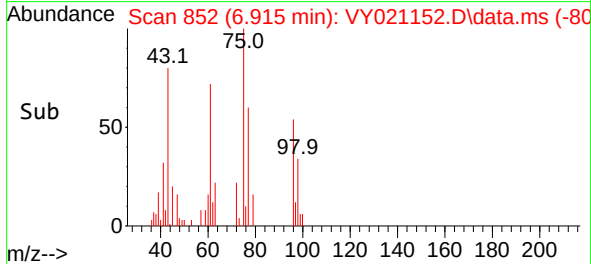
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025



Tgt Ion: 43 Resp: 544
Ion Ratio Lower Upper
43 100
72 27.7 21.4 32.2

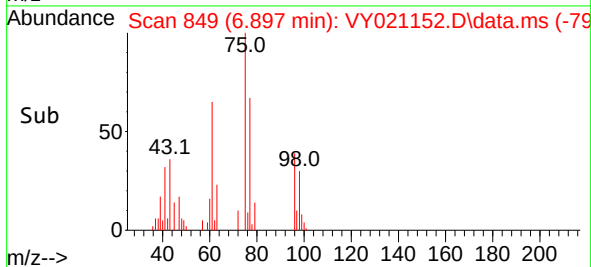
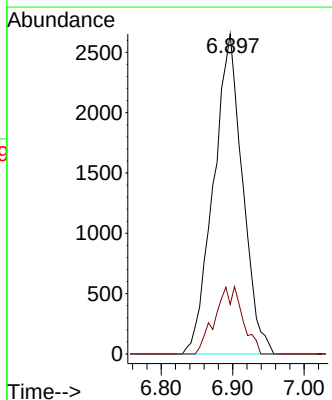
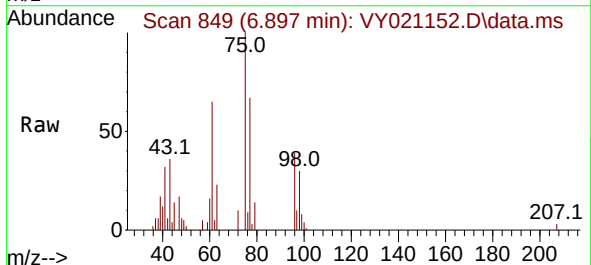
Manual Integrations
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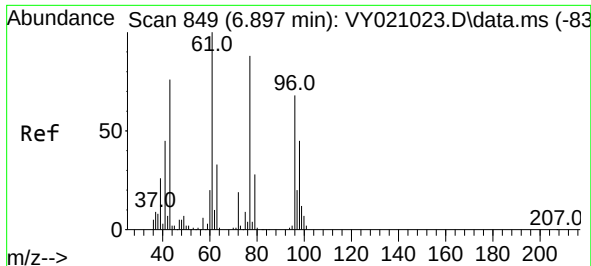
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#26
2,2-Dichloropropane
Concen: 2.588 ug/l
RT: 6.897 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

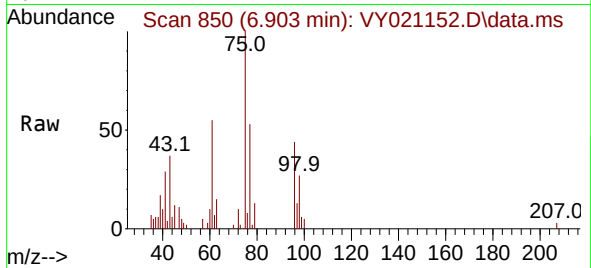
Tgt Ion: 77 Resp: 7488
Ion Ratio Lower Upper
77 100
97 20.0 11.7 35.0





#27
 cis-1,2-Dichloroethene
 Concen: 2.444 ug/l
 RT: 6.903 min Scan# 849
 Delta R.T. 0.006 min
 Lab File: VY021152.D
 Acq: 10 Feb 2025 12:20

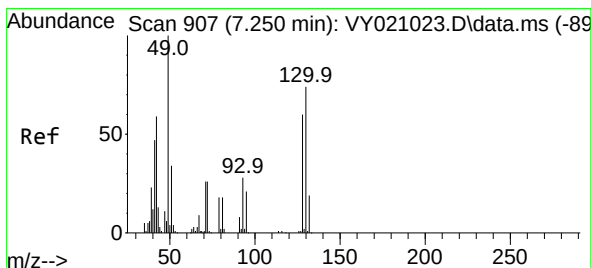
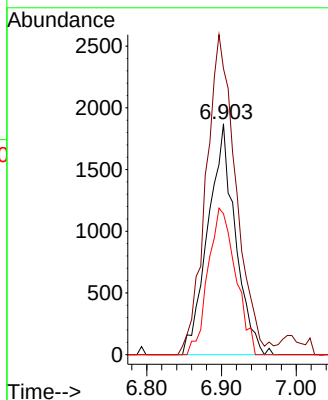
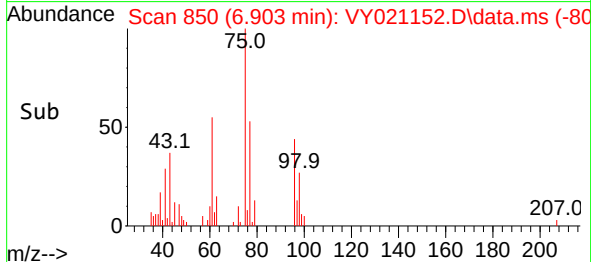
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT1-2025



Tgt Ion: 96 Resp: 4758
 Ion Ratio Lower Upper
 96 100
 61 152.9 0.0 278.8
 98 64.1 0.0 127.0

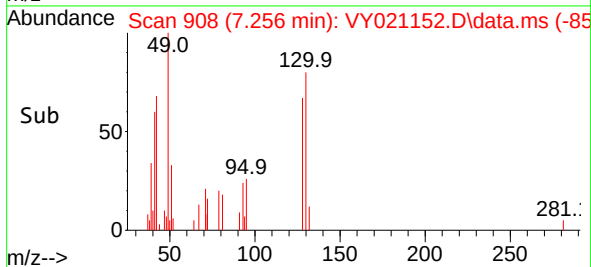
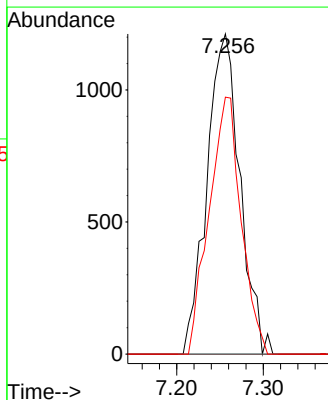
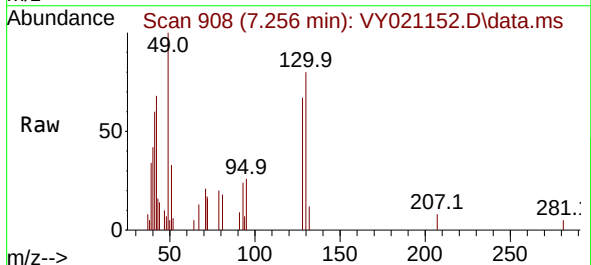
Manual Integrations
 APPROVED

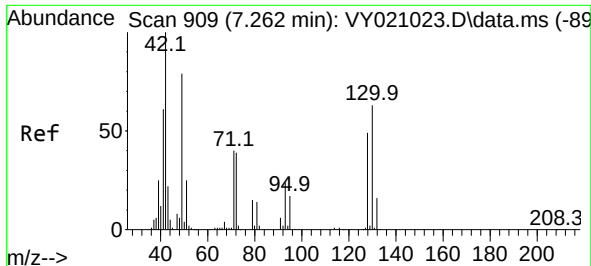
Reviewed By :Mahesh Dadoda 02/11/2025
 Supervised By :Semsettin Yesilyurt 02/11/2025



#28
 Bromochloromethane
 Concen: 2.595 ug/l
 RT: 7.256 min Scan# 908
 Delta R.T. 0.006 min
 Lab File: VY021152.D
 Acq: 10 Feb 2025 12:20

Tgt Ion: 49 Resp: 3209
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.8
 130 77.8 59.8 89.8





#29

Tetrahydrofuran

Concen: 12.415 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.006 min

Lab File: VY021152.D

Acq: 10 Feb 2025 12:20

Instrument :

MSVOA_Y

ClientSampleId :

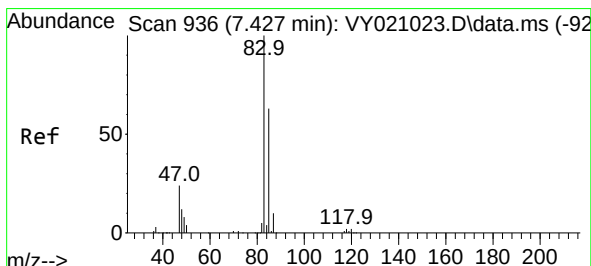
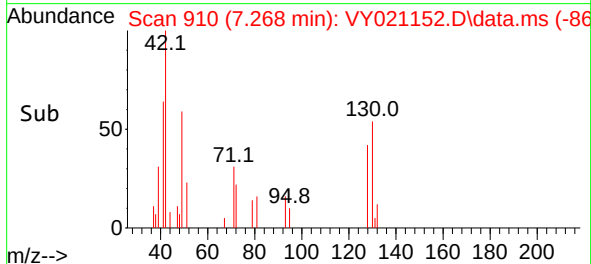
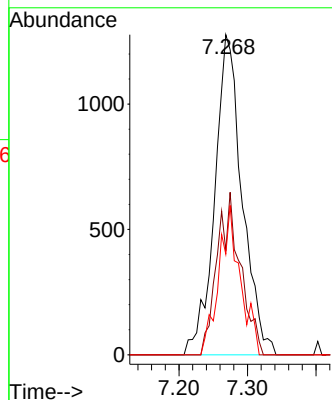
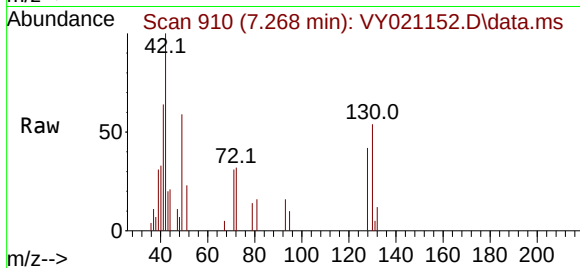
MDL-SOIL-03-QT1-2025

Tgt Ion:	42	Resp:	3554
Ion	Ratio	Lower	Upper
42	100		
72	43.0	36.6	54.8
71	36.2	33.8	50.6

Manual Integrations

APPROVED

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



#30

Chloroform

Concen: 2.523 ug/l

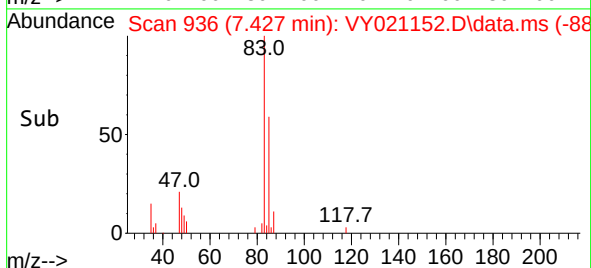
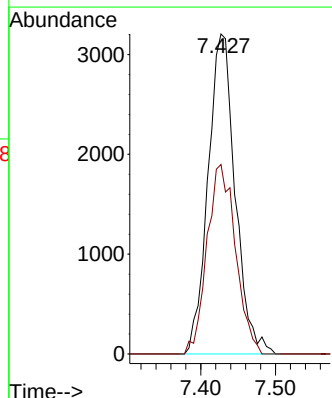
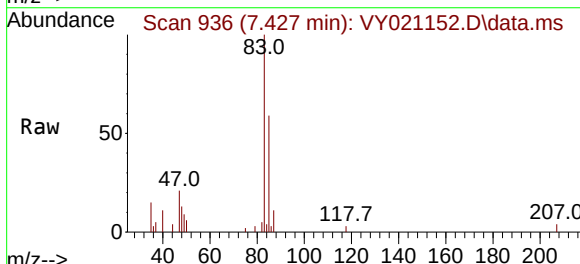
RT: 7.427 min Scan# 936

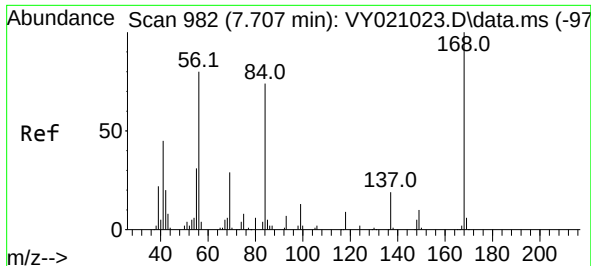
Delta R.T. 0.000 min

Lab File: VY021152.D

Acq: 10 Feb 2025 12:20

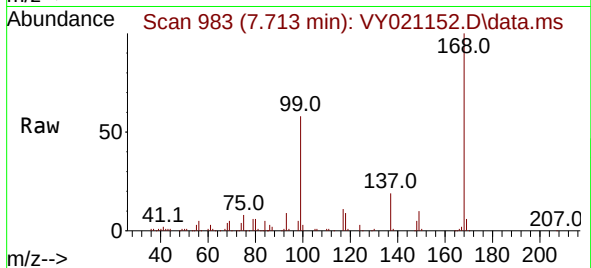
Tgt Ion:	83	Resp:	8104
Ion	Ratio	Lower	Upper
83	100		
85	59.2	51.2	76.8





#31
Cyclohexane
Concen: 3.195 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

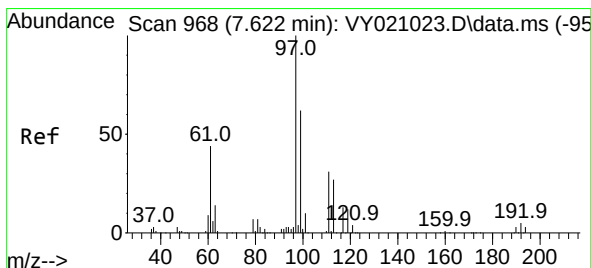
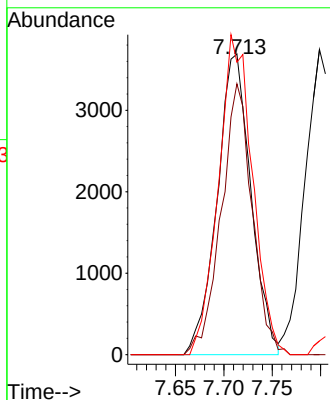
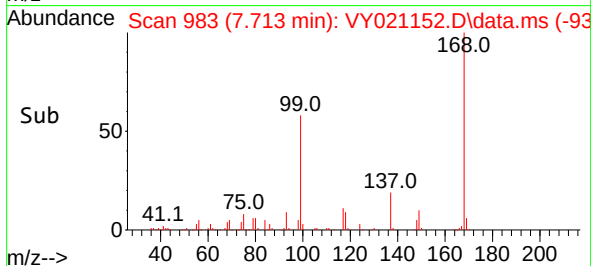
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025



Tgt Ion: 56 Resp: 899
Ion Ratio Lower Upper
56 100
69 90.1 27.0 40.6
84 97.3 71.8 107.6

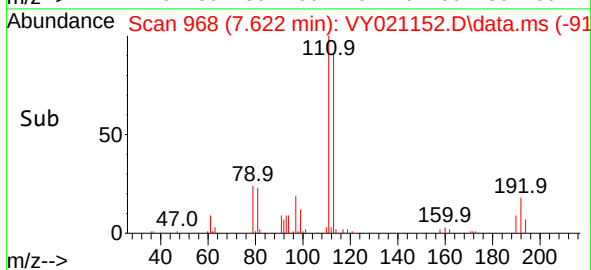
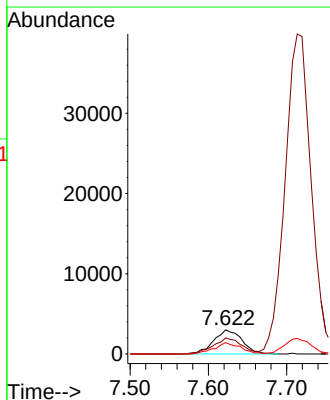
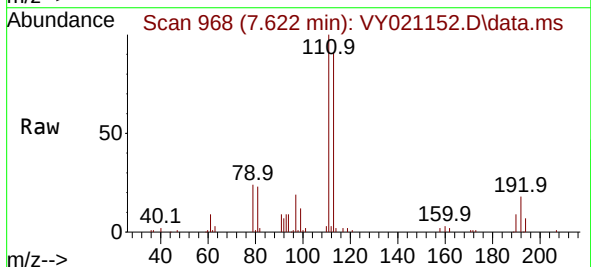
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APPROVED

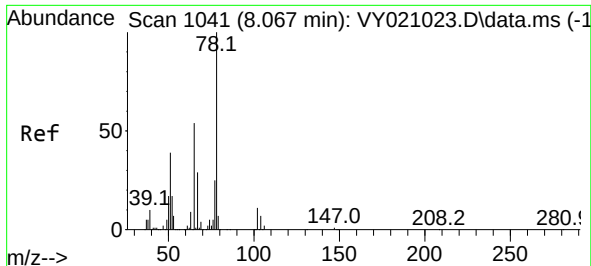
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#32
1,1,1-Trichloroethane
Concen: 2.520 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

Tgt Ion: 97 Resp: 7524
Ion Ratio Lower Upper
97 100
99 66.2 51.2 76.8
61 44.0 35.0 52.6





#33

1,2-Dichloroethane-d4

Concen: 51.553 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VY021152.D

Acq: 10 Feb 2025 12:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion: 65 Resp: 85104

Ion Ratio Lower Upper

65 100

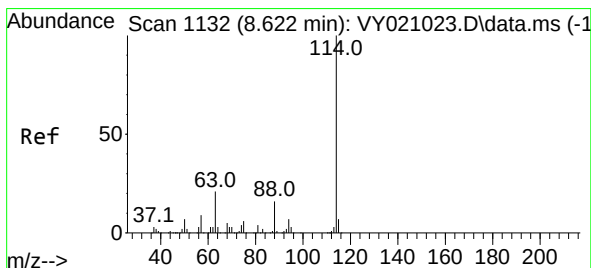
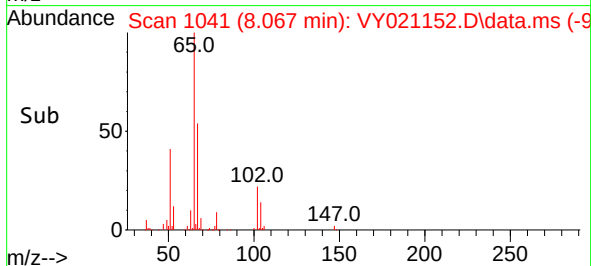
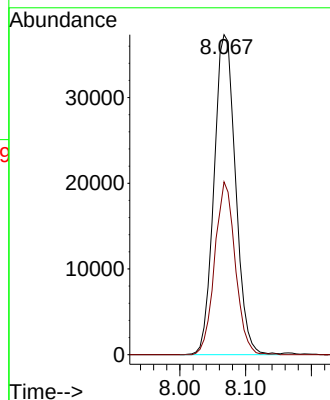
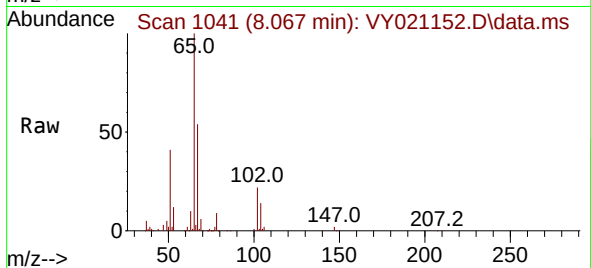
67 51.6 0.0 109.0

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: VY021152.D

Acq: 10 Feb 2025 12:20

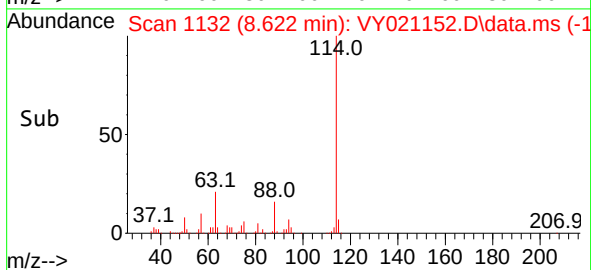
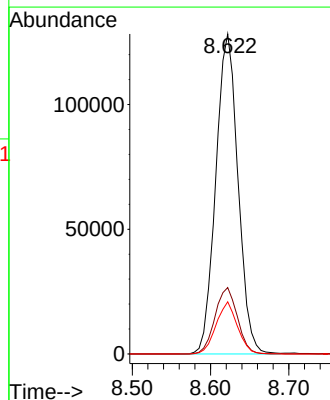
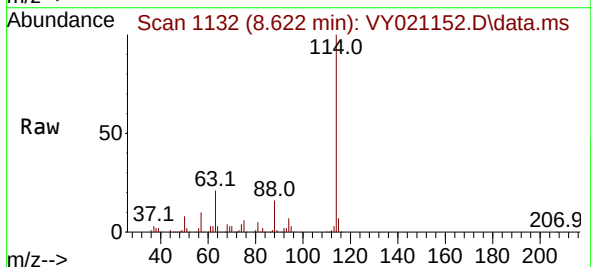
Tgt Ion:114 Resp: 253187

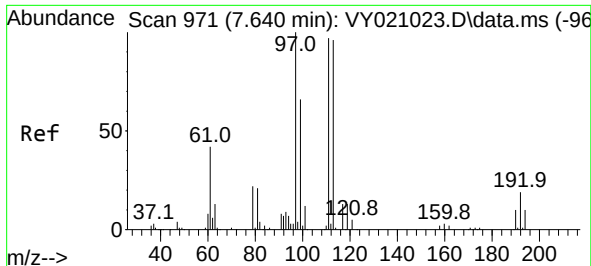
Ion Ratio Lower Upper

114 100

63 20.8 0.0 37.4

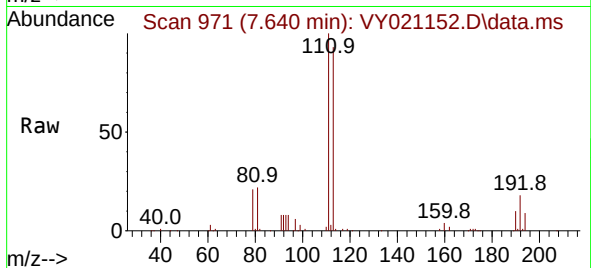
88 16.3 0.0 29.0





#35
Dibromofluoromethane
Concen: 48.758 ug/l
RT: 7.640 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

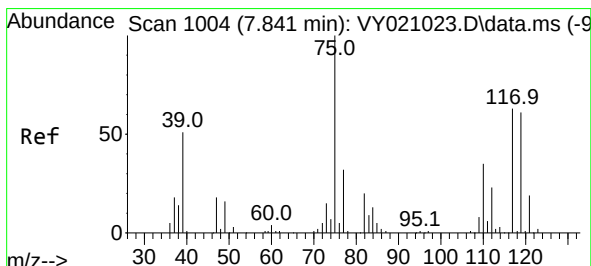
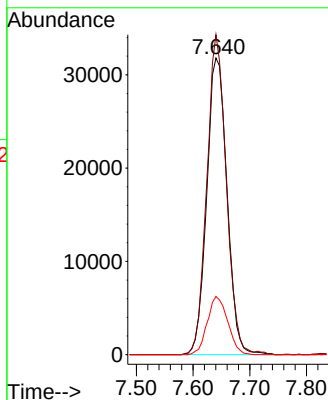
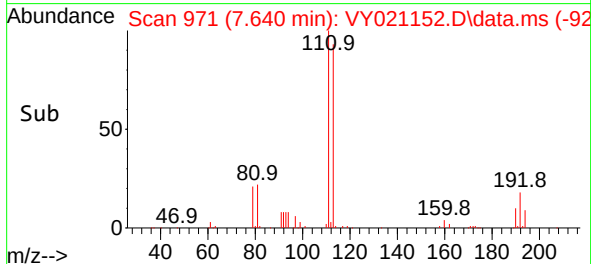
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025



Tgt Ion: 113 Resp: 79114
Ion Ratio Lower Upper
113 100
111 103.5 83.8 125.6
192 19.7 14.5 21.7

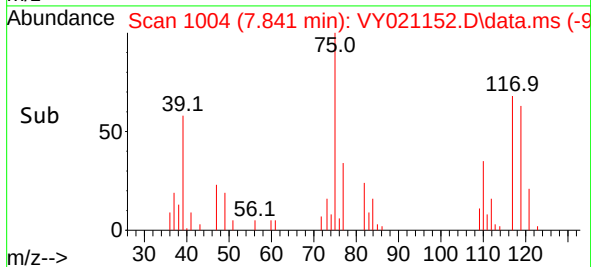
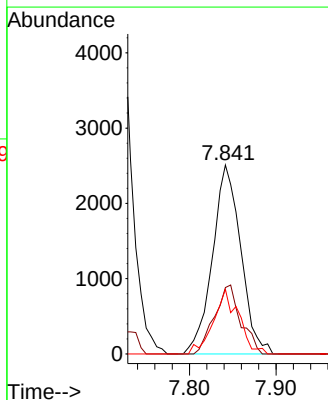
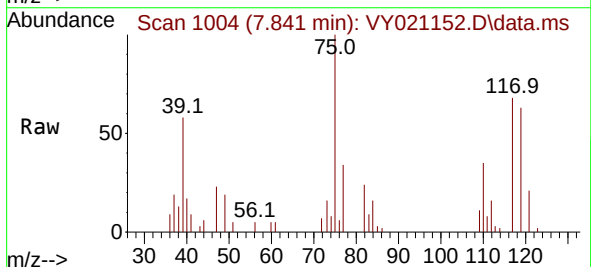
Manual Integrations
APPROVED

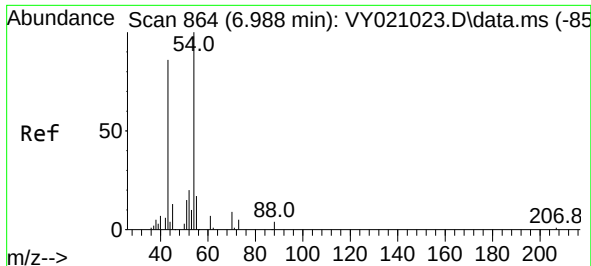
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#36
1,1-Dichloropropene
Concen: 2.370 ug/l
RT: 7.841 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

Tgt Ion: 75 Resp: 5695
Ion Ratio Lower Upper
75 100
110 33.8 17.4 52.3
77 30.6 24.7 37.1





#37

Ethyl Acetate

Concen: 2.439 ug/l

RT: 6.994 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY021152.D

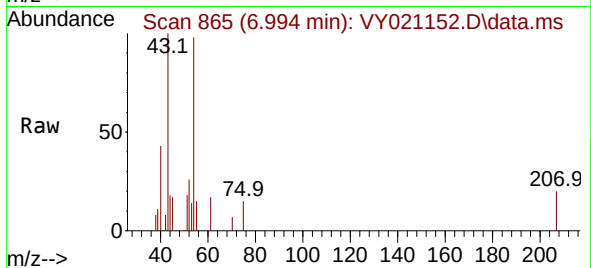
Acq: 10 Feb 2025 12:20

Instrument :

MSVOA_Y

ClientSampleId :

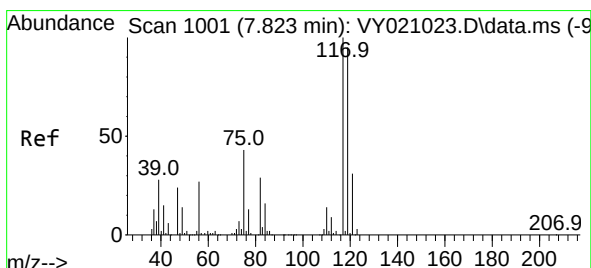
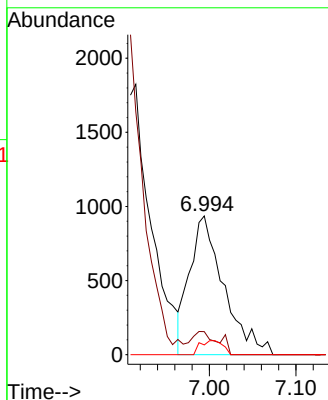
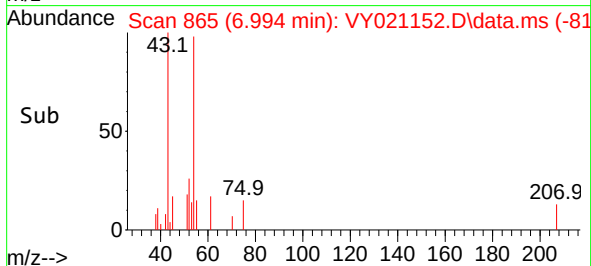
MDL-SOIL-03-QT1-2025



Tgt Ion:	43	Resp:	257
Ion	Ratio	Lower	Upper
43	100		
61	13.1	11.0	16.6
70	6.6	8.1	12.1

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



#38

Carbon Tetrachloride

Concen: 2.357 ug/l

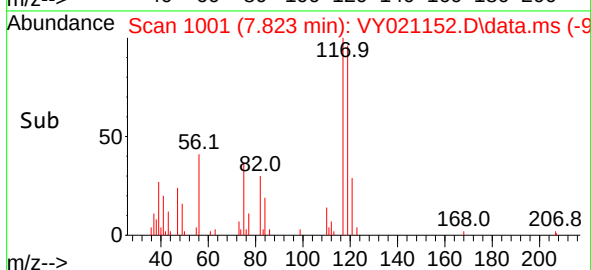
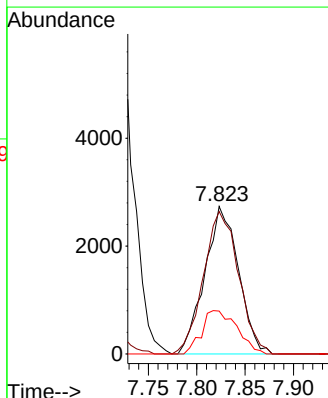
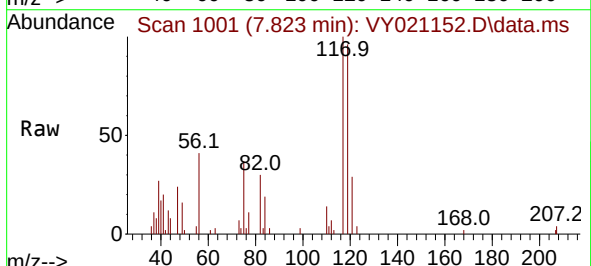
RT: 7.823 min Scan# 1001

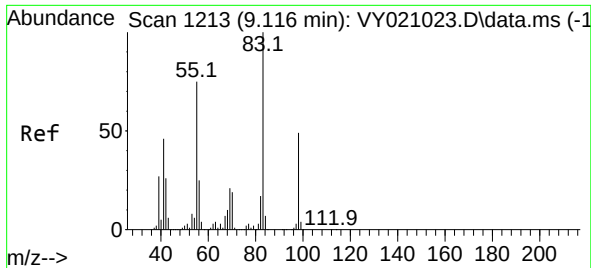
Delta R.T. -0.000 min

Lab File: VY021152.D

Acq: 10 Feb 2025 12:20

Tgt Ion:	117	Resp:	6620
Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.0	114.0
121	29.1	24.2	36.2





#39

Methylcyclohexane

Concen: 2.354 ug/l

RT: 9.116 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY021152.D

Acq: 10 Feb 2025 12:20

Instrument :

MSVOA_Y

ClientSampleId :

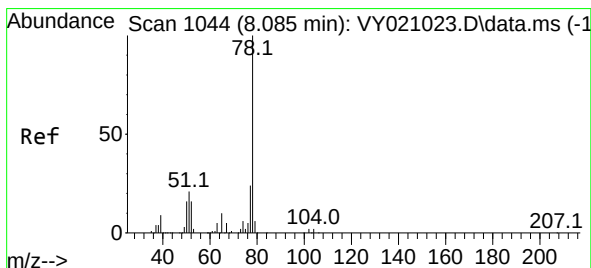
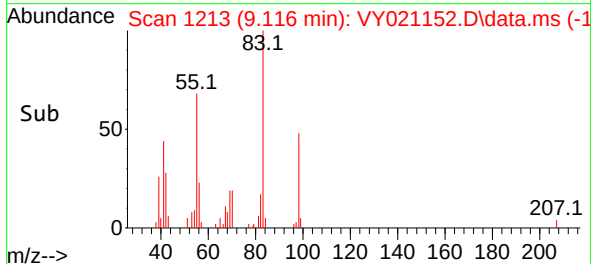
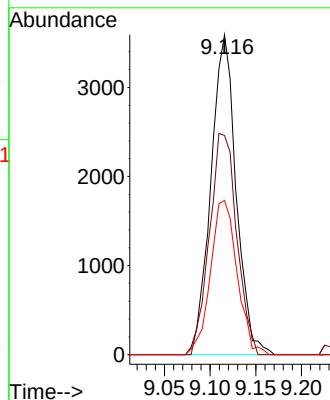
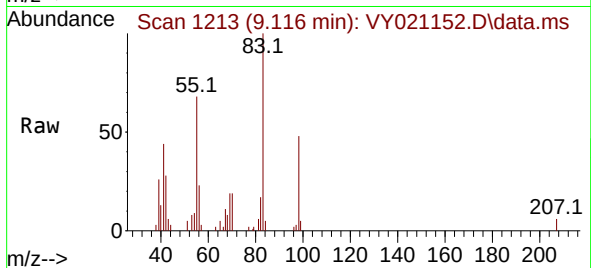
MDL-SOIL-03-QT1-2025

Tgt Ion: 83	Resp: 6920
Ion Ratio	Lower Upper
83 100	
55 68.5	59.7 89.5
98 48.2	38.0 57.0

Manual Integrations

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



#40

Benzene

Concen: 2.419 ug/l

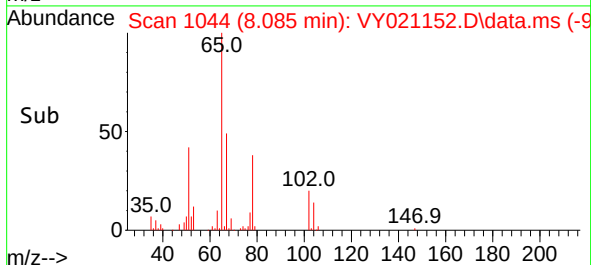
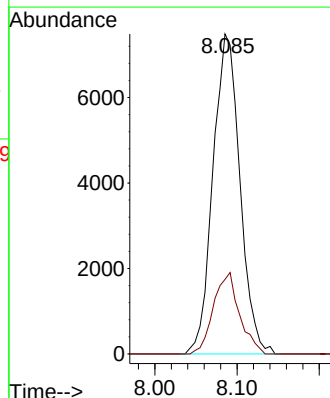
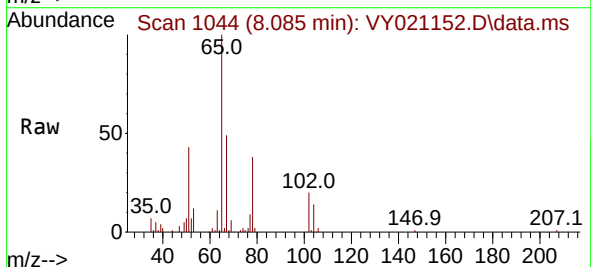
RT: 8.085 min Scan# 1044

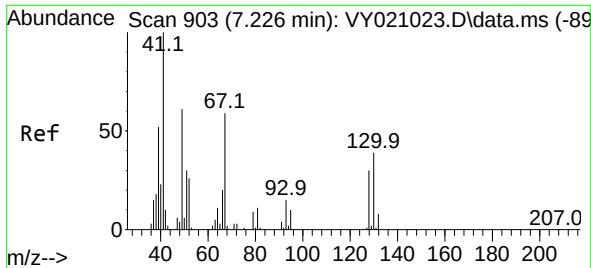
Delta R.T. -0.000 min

Lab File: VY021152.D

Acq: 10 Feb 2025 12:20

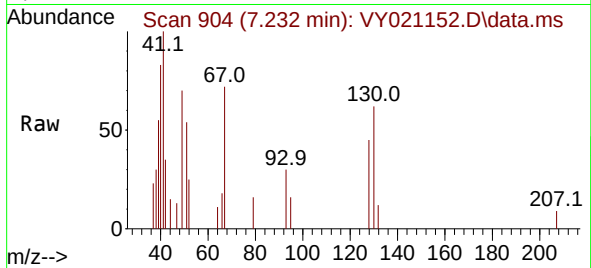
Tgt Ion: 78	Resp: 17063
Ion Ratio	Lower Upper
78 100	
77 23.3	18.8 28.2





#41
Methacrylonitrile
Concen: 2.103 ug/l
RT: 7.232 min Scan# 903
Delta R.T. 0.006 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

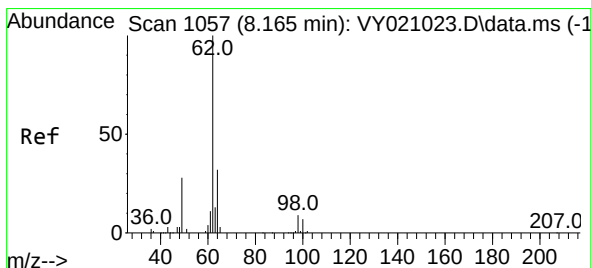
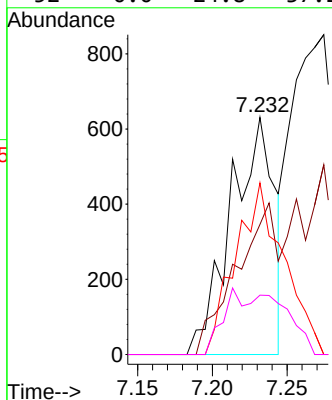
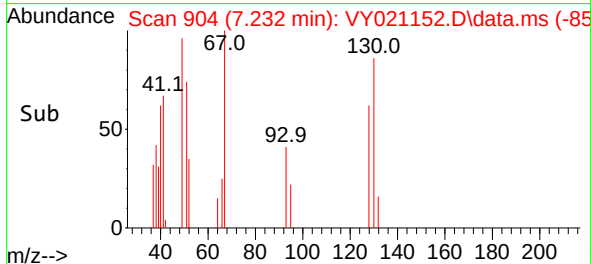
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025



Tgt Ion: 41 Resp: 128
Ion Ratio Lower Upper
41 100
39 59.6 41.9 62.9
67 79.9 59.8 89.6
52 0.0 24.8 37.2#

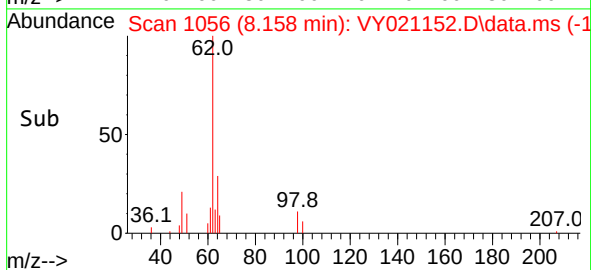
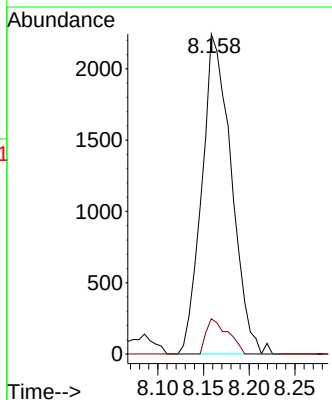
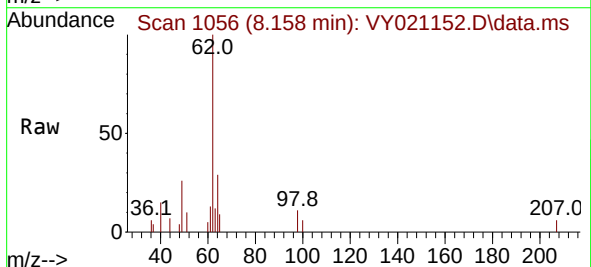
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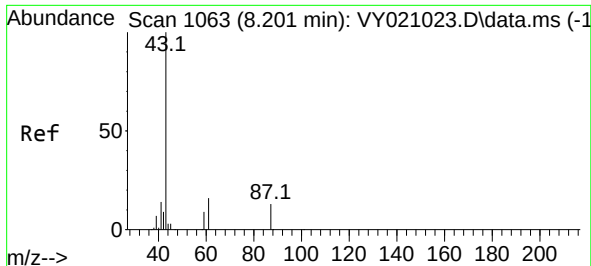
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#42
1,2-Dichloroethane
Concen: 2.571 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

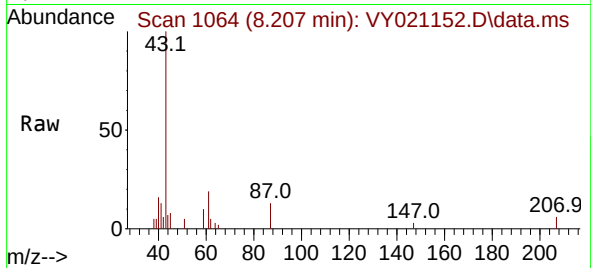
Tgt Ion: 62 Resp: 5031
Ion Ratio Lower Upper
62 100
98 8.1 0.0 20.2





#43
Isopropyl Acetate
Concen: 2.430 ug/l
RT: 8.207 min Scan# 1064
Delta R.T. 0.006 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

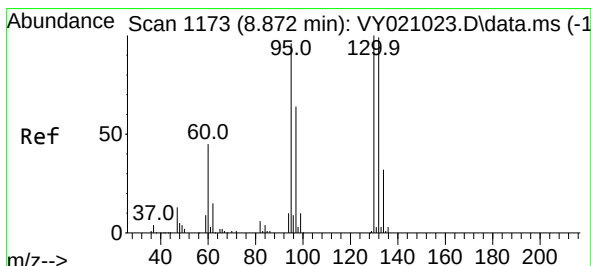
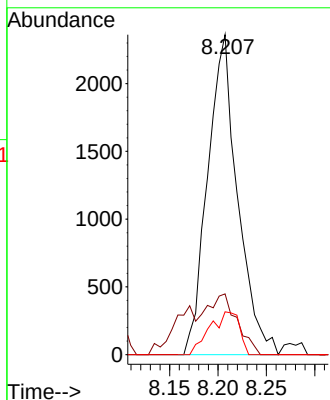
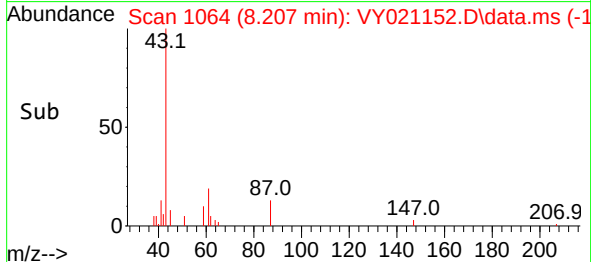
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025



Tgt Ion: 43 Resp: 5090
Ion Ratio Lower Upper
43 100
61 17.9 24.8 37.2
87 13.2 10.7 16.1

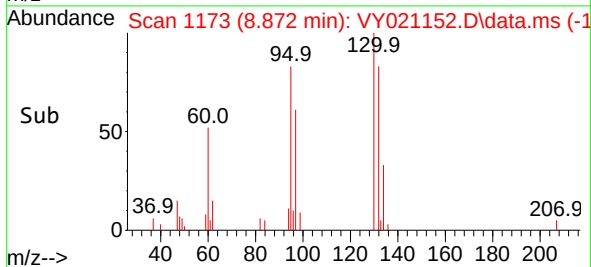
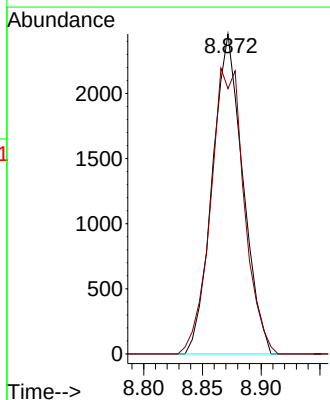
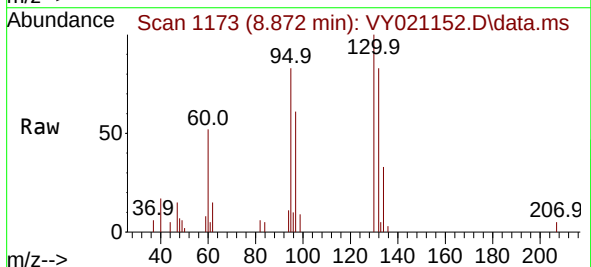
Manual Integrations
APPROVED

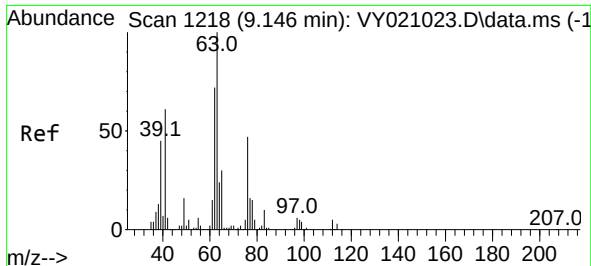
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#44
Trichloroethene
Concen: 2.437 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

Tgt Ion:130 Resp: 4440
Ion Ratio Lower Upper
130 100
95 82.9 0.0 203.8





#45

1,2-Dichloropropane

Concen: 2.465 ug/l

RT: 9.146 min Scan# 1218

Delta R.T. -0.000 min

Lab File: VY021152.D

Acq: 10 Feb 2025 12:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion: 63 Resp: 4120

Ion Ratio Lower Upper

63 100

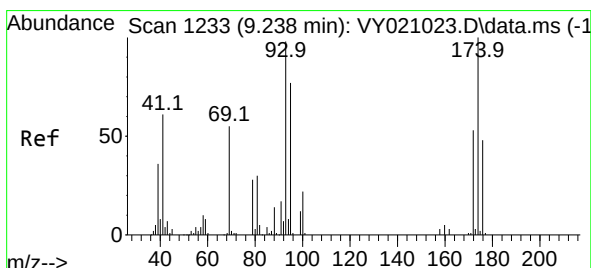
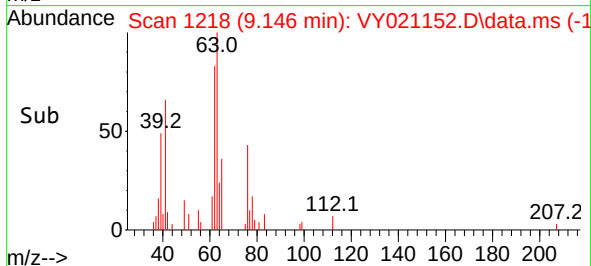
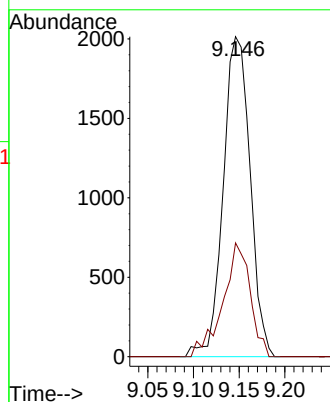
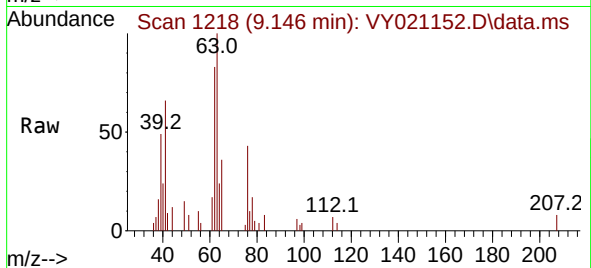
65 35.6 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/11/2025

Supervised By :Semsettin Yesilyurt 02/11/2025



#46

Dibromomethane

Concen: 2.439 ug/l

RT: 9.238 min Scan# 1233

Delta R.T. 0.000 min

Lab File: VY021152.D

Acq: 10 Feb 2025 12:20

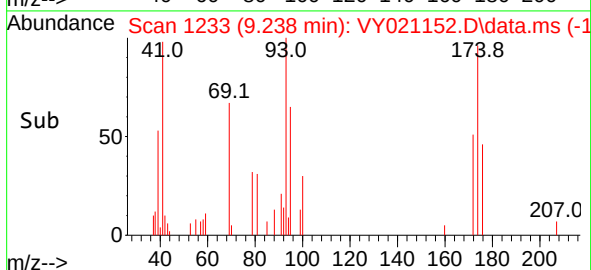
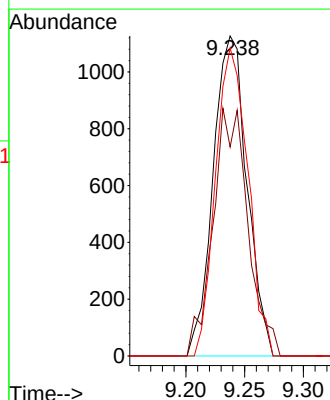
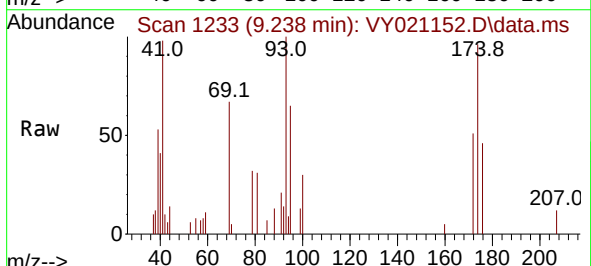
Tgt Ion: 93 Resp: 2261

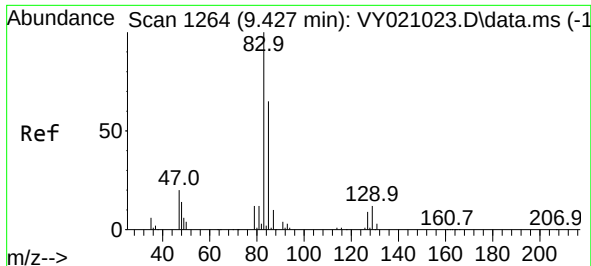
Ion Ratio Lower Upper

93 100

95 79.7 66.6 99.8

174 91.8 73.8 110.6





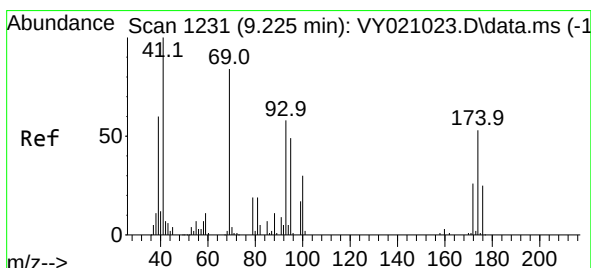
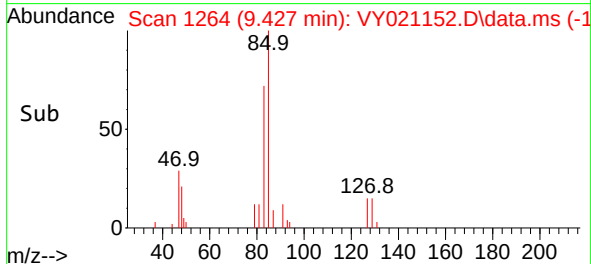
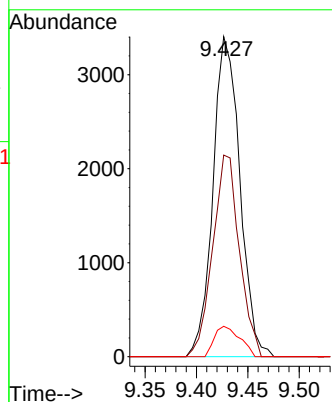
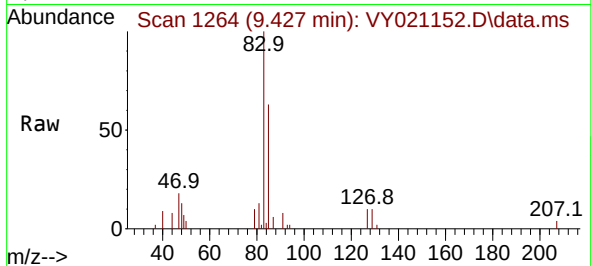
#47
Bromodichloromethane
Concen: 2.491 ug/l
RT: 9.427 min Scan# 1264
Delta R.T. -0.000 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

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

Tgt Ion: 83 Resp: 619
Ion Ratio Lower Upper
83 100
85 63.0 53.2 79.8
127 9.5 6.4 9.6

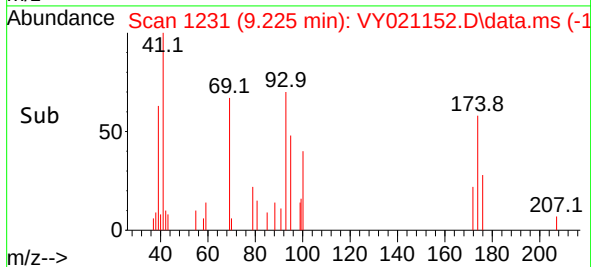
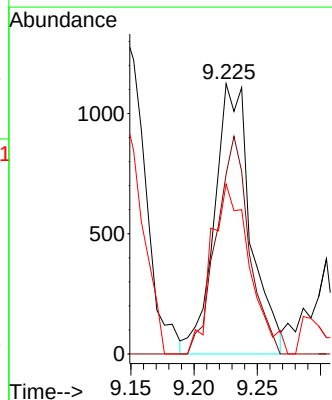
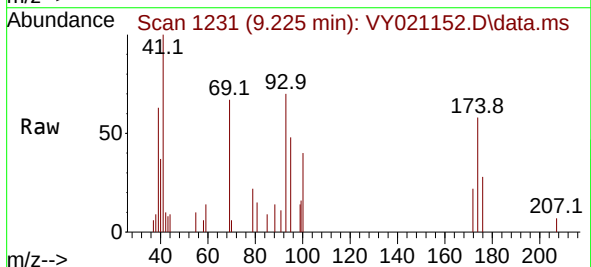
Manual Integrations
APPROVED

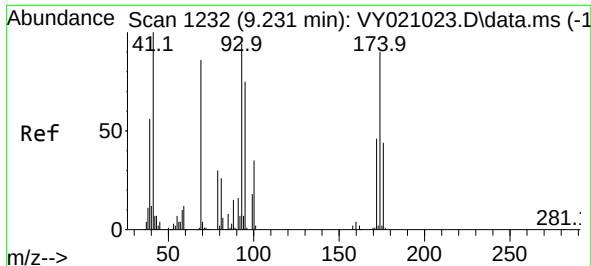
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#48
Methyl methacrylate
Concen: 2.350 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

Tgt Ion: 41 Resp: 2243
Ion Ratio Lower Upper
41 100
69 72.6 72.1 108.1
39 65.8 42.8 64.2#





#49

1,4-Dioxane

Concen: 48.328 ug/l

RT: 9.244 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY021152.D

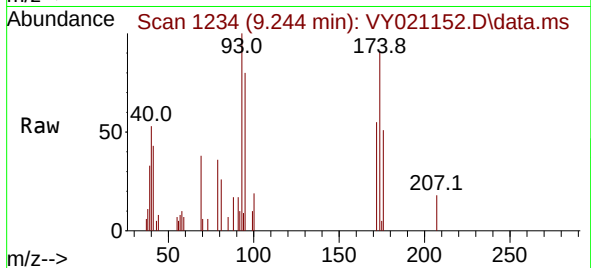
Acq: 10 Feb 2025 12:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

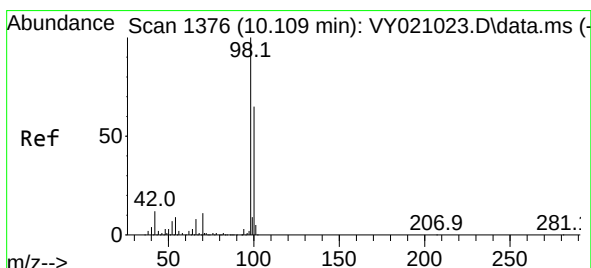
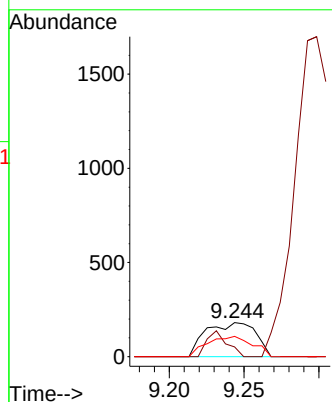
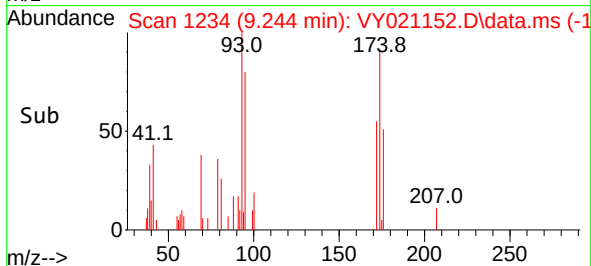


Tgt Ion: 88	Resp: 41
Ion Ratio	Lower Upper
88 100	
43 30.9	28.2 42.4
58 54.4	52.2 78.2

Manual Integrations

APPROVED

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



#50

Toluene-d8

Concen: 48.312 ug/l

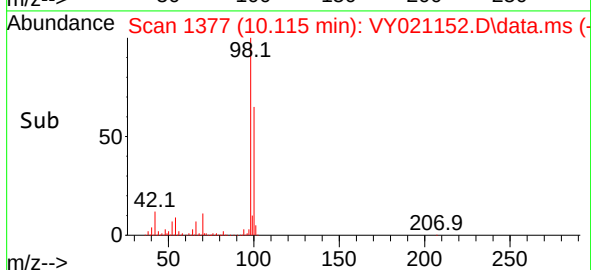
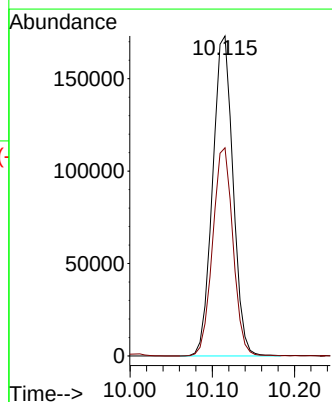
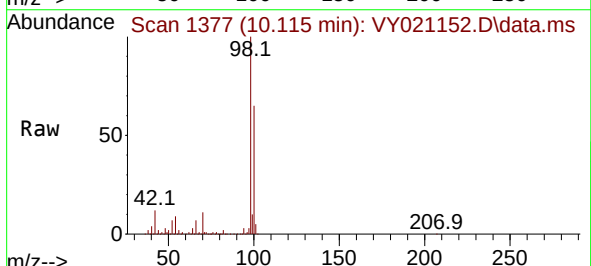
RT: 10.115 min Scan# 1377

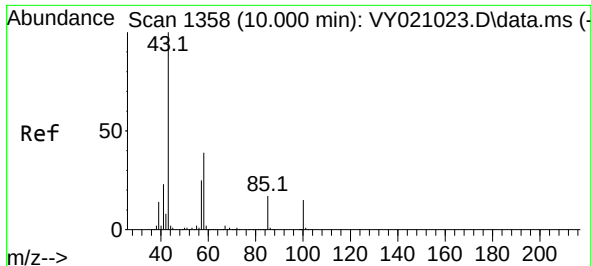
Delta R.T. 0.006 min

Lab File: VY021152.D

Acq: 10 Feb 2025 12:20

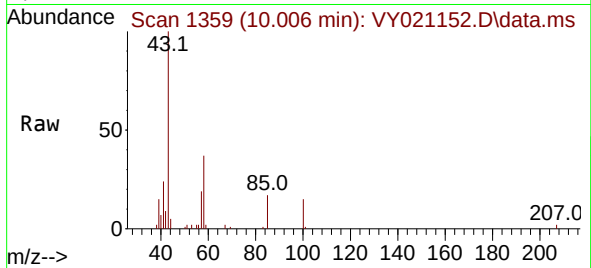
Tgt Ion: 98	Resp: 298438
Ion Ratio	Lower Upper
98 100	
100 64.9	52.3 78.5





#51
4-Methyl-2-Pentanone
Concen: 11.425 ug/l
RT: 10.006 min Scan# 1358
Delta R.T. 0.006 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

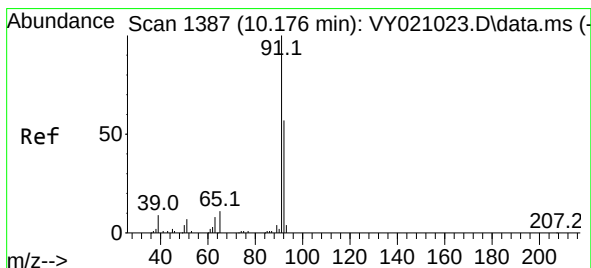
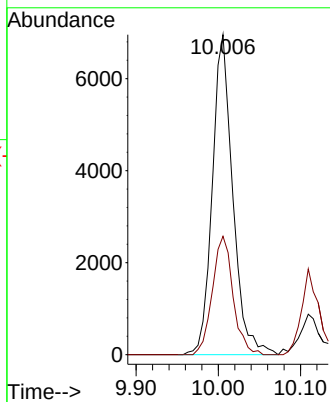
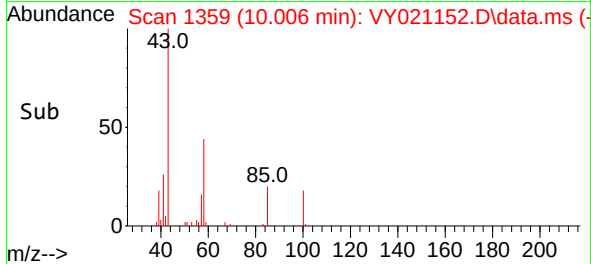
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025



Tgt Ion: 43 Resp: 12036
Ion Ratio Lower Upper
43 100
58 37.4 32.2 48.2

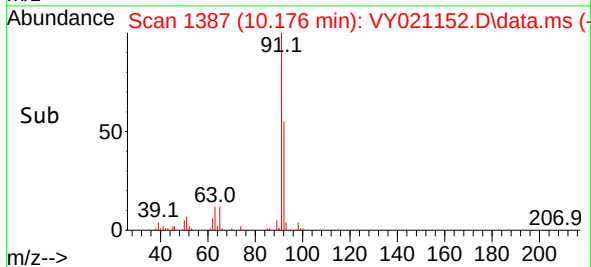
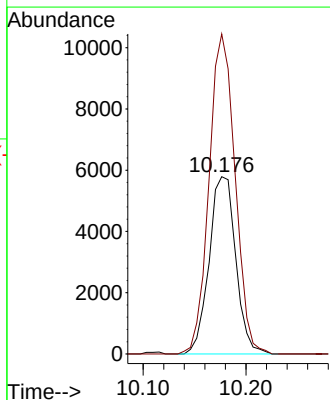
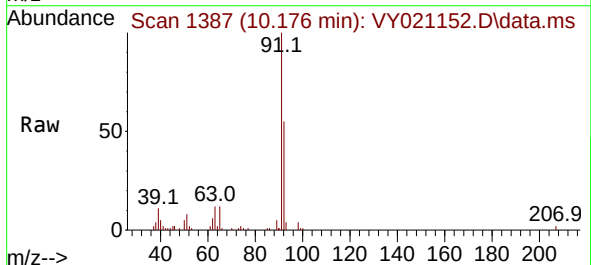
Manual Integrations
APPROVED

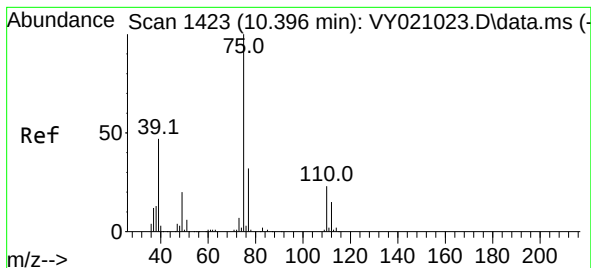
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#52
Toluene
Concen: 2.350 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

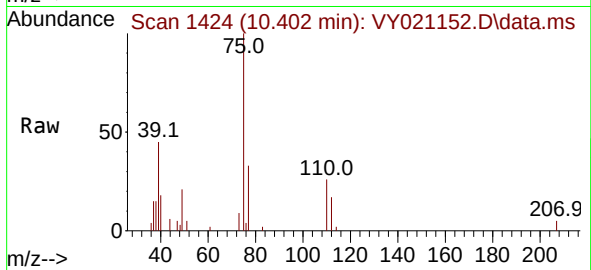
Tgt Ion: 92 Resp: 10406
Ion Ratio Lower Upper
92 100
91 176.5 137.6 206.4





#53
t-1,3-Dichloropropene
Concen: 2.353 ug/l
RT: 10.402 min Scan# 1424
Delta R.T. 0.006 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

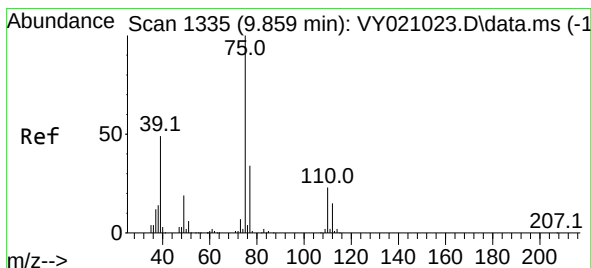
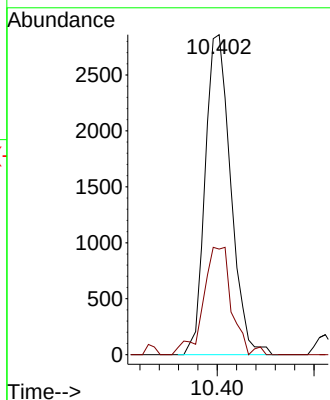
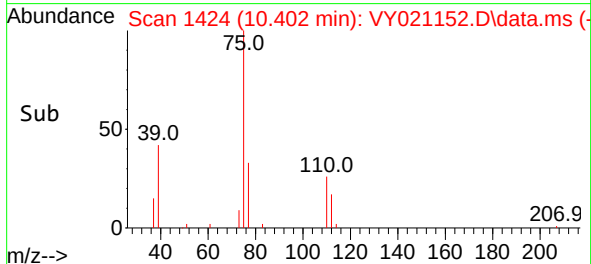
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2025



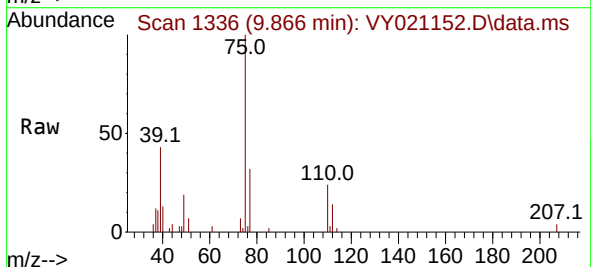
Tgt Ion: 75 Resp: 525
Ion Ratio Lower Upper
75 100
77 33.0 24.6 36.8

Manual Integrations
APPROVED

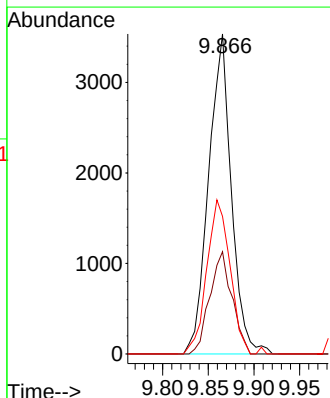
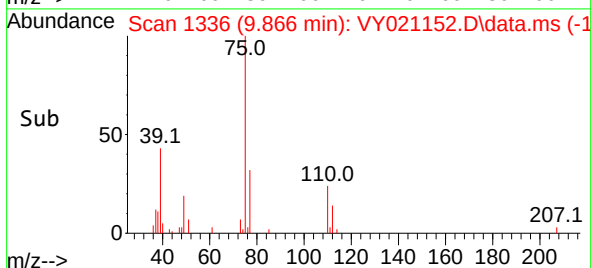
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025

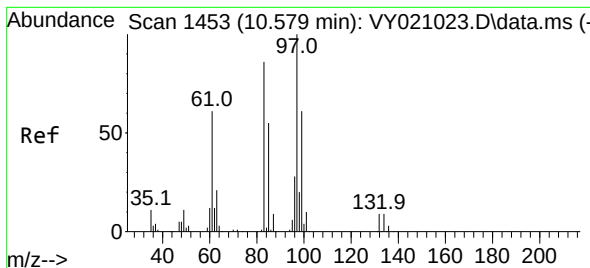


#54
cis-1,3-Dichloropropene
Concen: 2.314 ug/l
RT: 9.866 min Scan# 1336
Delta R.T. 0.006 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20



Tgt Ion: 75 Resp: 6115
Ion Ratio Lower Upper
75 100
77 31.9 24.6 36.8
39 43.0 33.6 50.4





#55

1,1,2-Trichloroethane

Concen: 2.486 ug/l

RT: 10.579 min Scan# 1453

Delta R.T. -0.000 min

Lab File: VY021152.D

Acq: 10 Feb 2025 12:20

Instrument :

MSVOA_Y

ClientSampleId :

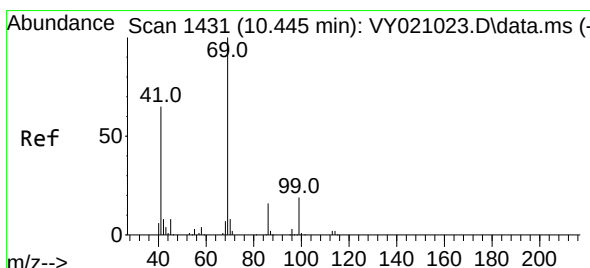
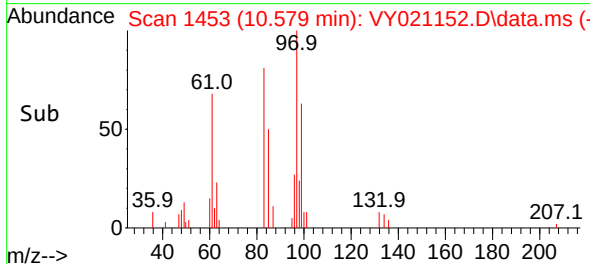
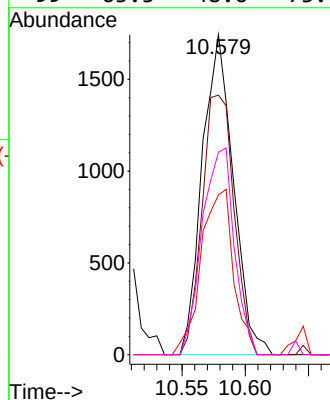
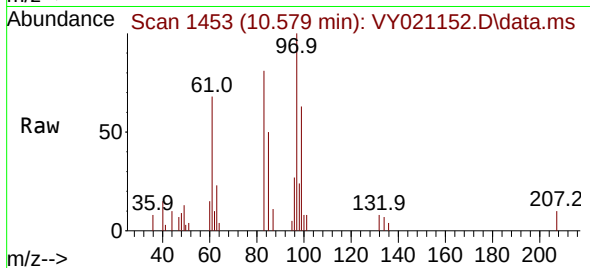
MDL-SOIL-03-QT1-2025

Tgt Ion: 97	Resp: 2984
Ion Ratio	Lower Upper
97 100	
83 81.1	69.4 104.2
85 49.9	43.9 65.9
99 63.3	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: 2.032 ug/l

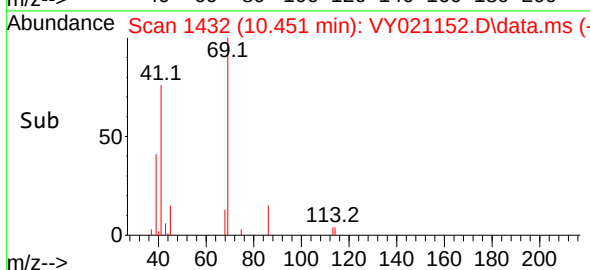
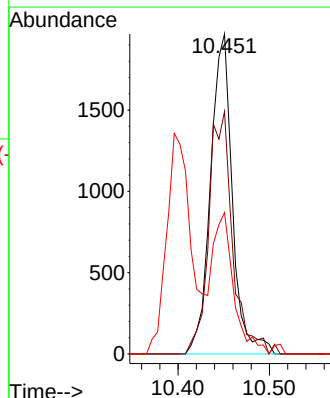
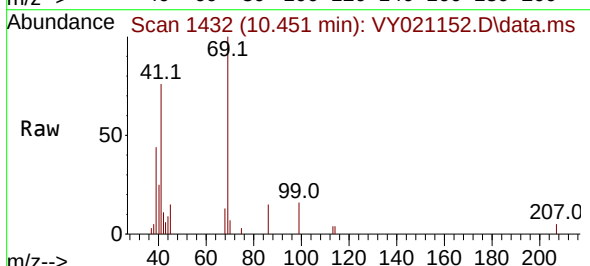
RT: 10.451 min Scan# 1432

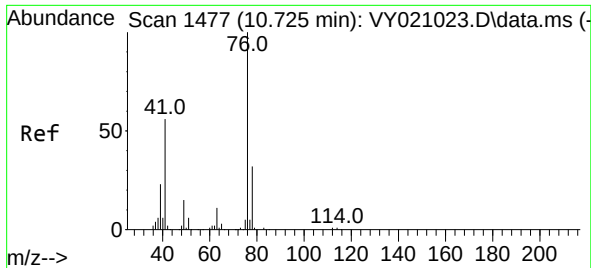
Delta R.T. 0.006 min

Lab File: VY021152.D

Acq: 10 Feb 2025 12:20

Tgt Ion: 69	Resp: 3262
Ion Ratio	Lower Upper
69 100	
41 82.7	49.2 73.8#
39 41.1	26.8 40.2#





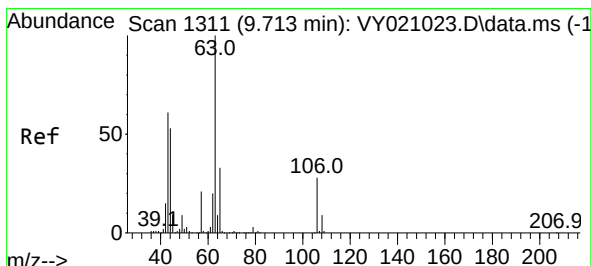
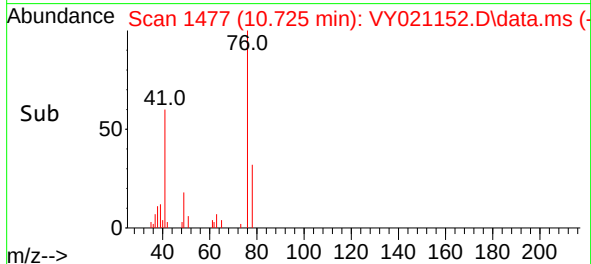
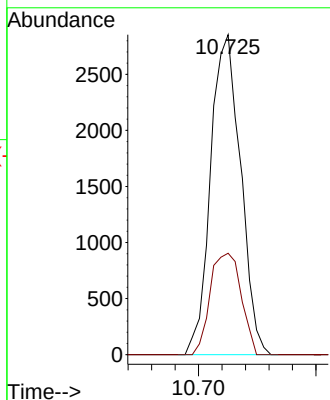
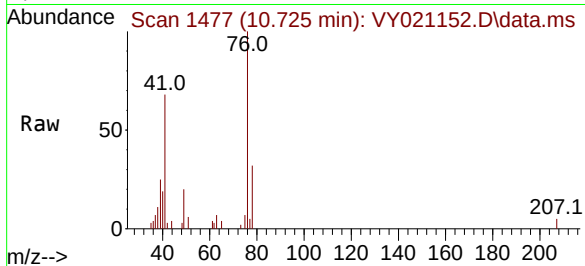
#57
1,3-Dichloropropane
Concen: 2.440 ug/l
RT: 10.725 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

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

Tgt Ion: 76 Resp: 5069
Ion Ratio Lower Upper
76 100
78 32.6 26.1 39.1

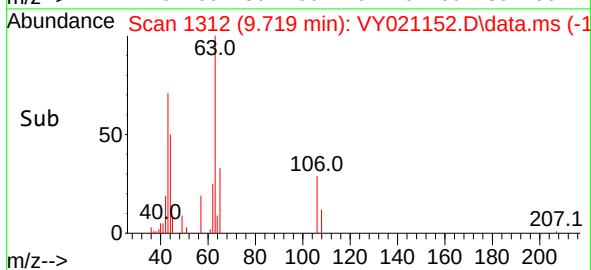
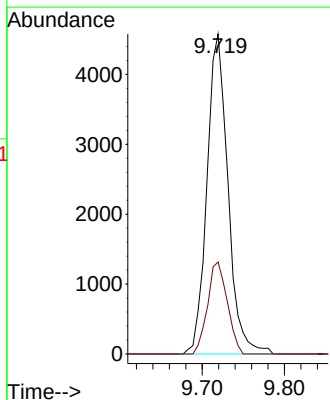
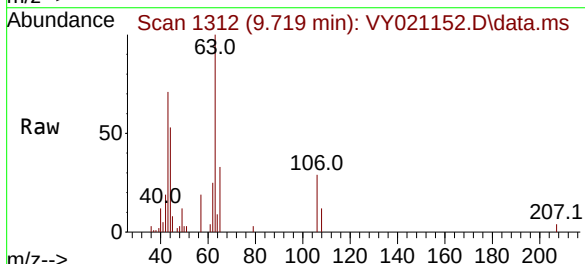
Manual Integrations
APPROVED

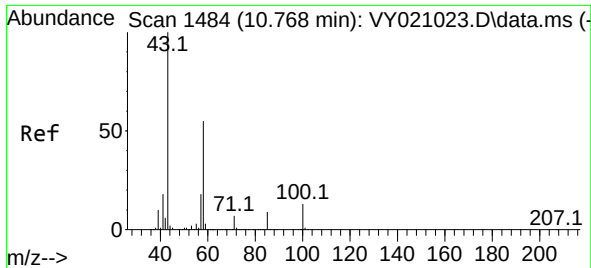
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#58
2-Chloroethyl Vinyl ether
Concen: 10.634 ug/l
RT: 9.719 min Scan# 1312
Delta R.T. 0.006 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

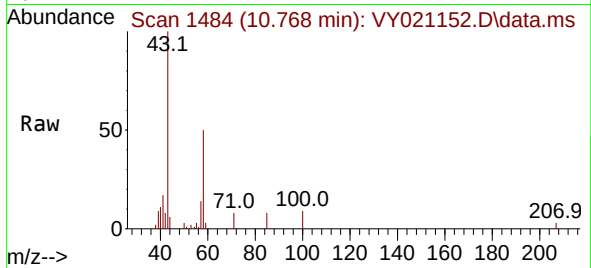
Tgt Ion: 63 Resp: 8123
Ion Ratio Lower Upper
63 100
106 26.9 22.4 33.6





#59
2-Hexanone
Concen: 11.312 ug/l
RT: 10.768 min Scan# 1484
Delta R.T. 0.000 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

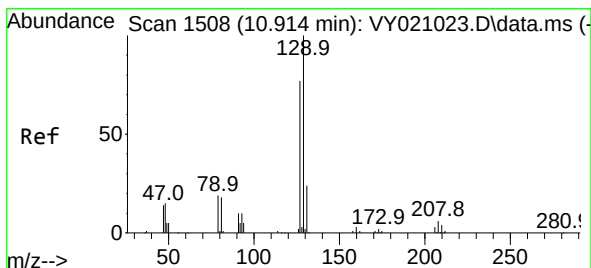
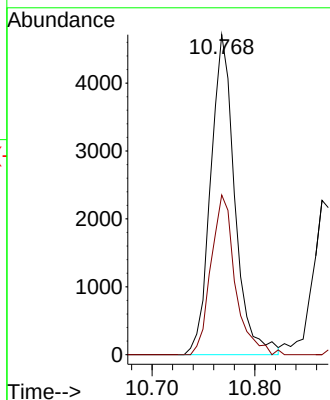
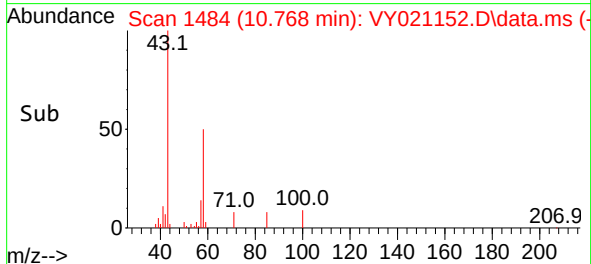
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025



Tgt Ion: 43 Resp: 767
Ion Ratio Lower Upper
43 100
58 50.2 28.1 84.3

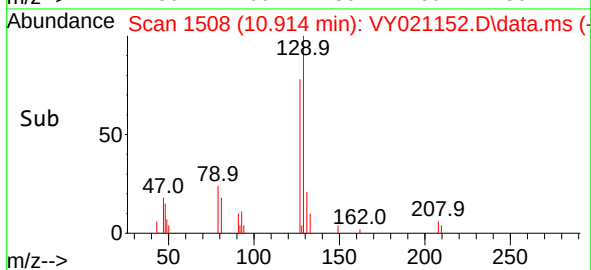
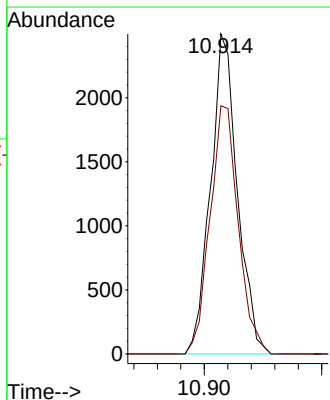
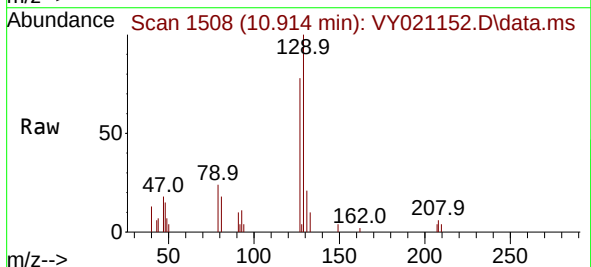
Manual Integrations
APPROVED

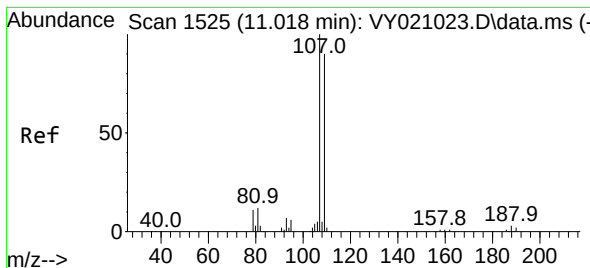
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#60
Dibromochloromethane
Concen: 2.354 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

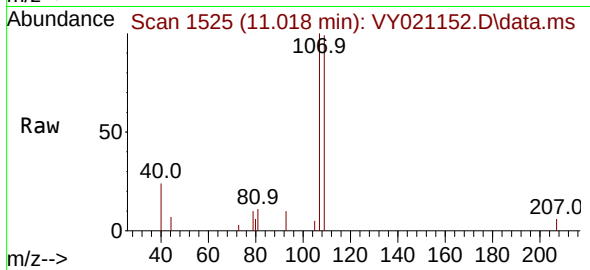
Tgt Ion:129 Resp: 3967
Ion Ratio Lower Upper
129 100
127 81.5 39.2 117.6





#61
1,2-Dibromoethane
Concen: 2.395 ug/l
RT: 11.018 min Scan# 1525
Delta R.T. -0.000 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

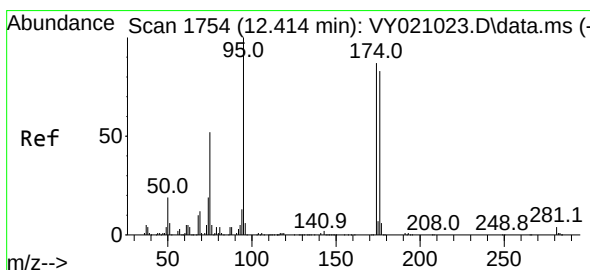
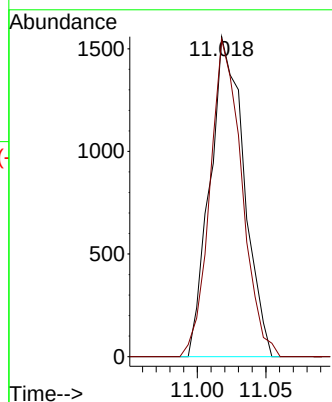
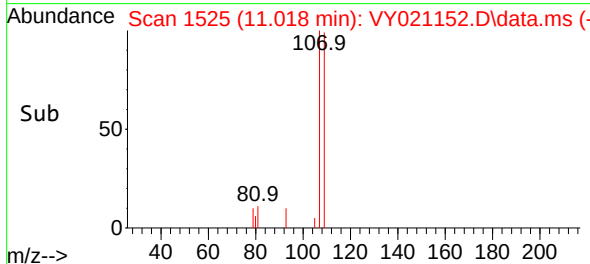
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025



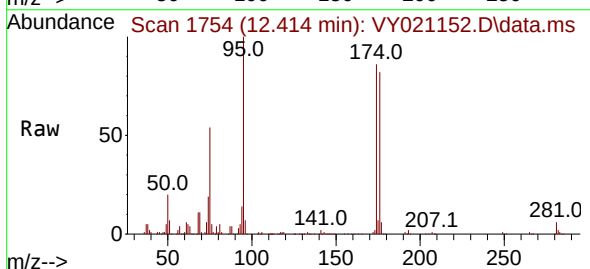
Tgt Ion:107 Resp: 2692
Ion Ratio Lower Upper
107 100
109 92.5 75.4 113.2

Manual Integrations
APPROVED

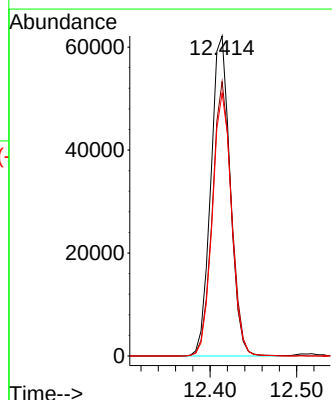
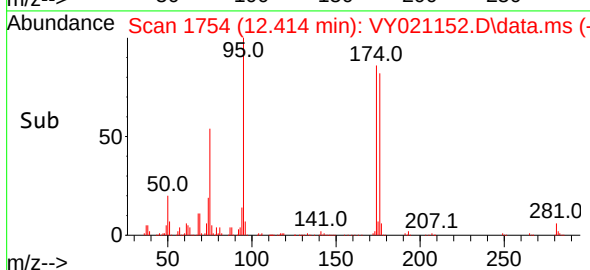
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025

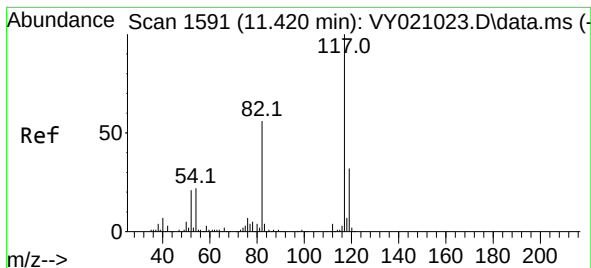


#62
4-Bromofluorobenzene
Concen: 47.819 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20



Tgt Ion: 95 Resp: 96503
Ion Ratio Lower Upper
95 100
174 84.8 0.0 160.0
176 81.4 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: VY021152.D

Acq: 10 Feb 2025 12:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

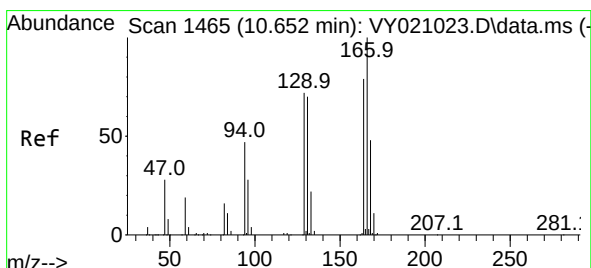
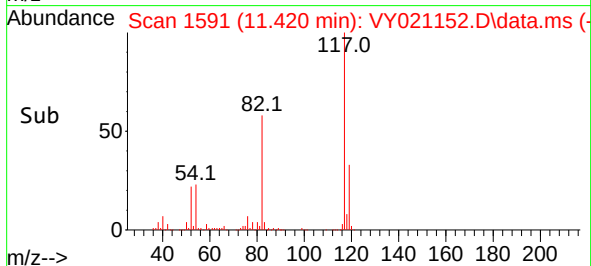
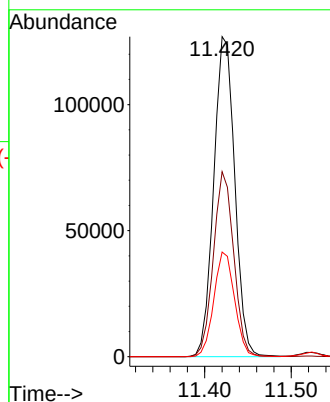
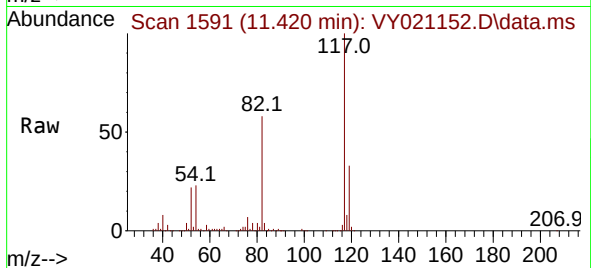
Tgt Ion:	117	Resp:	21416
Ion	Ratio	Lower	Upper
117	100		
82	57.8	43.8	65.8
119	32.7	26.5	39.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/11/2025

Supervised By :Semsettin Yesilyurt 02/11/2025



#64

Tetrachloroethene

Concen: 2.384 ug/l

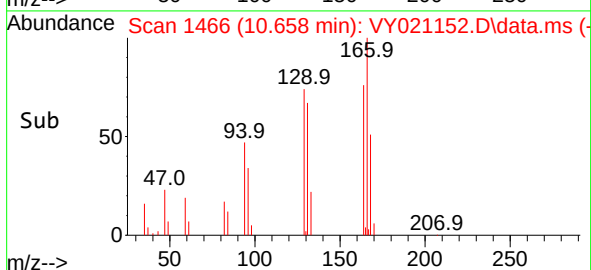
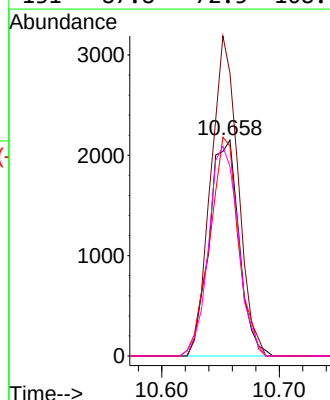
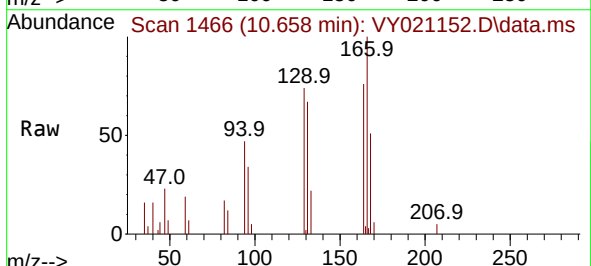
RT: 10.658 min Scan# 1466

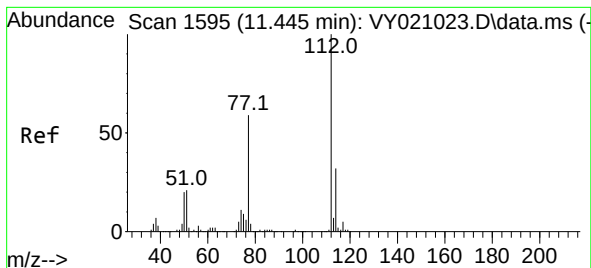
Delta R.T. 0.006 min

Lab File: VY021152.D

Acq: 10 Feb 2025 12:20

Tgt Ion:	164	Resp:	3790
Ion	Ratio	Lower	Upper
164	100		
166	131.1	98.8	148.2
129	97.3	78.9	118.3
131	87.8	72.5	108.7





#65

Chlorobenzene

Concen: 2.451 ug/l

RT: 11.451 min Scan# 1168

Delta R.T. 0.006 min

Lab File: VY021152.D

Acq: 10 Feb 2025 12:20

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion:112 Resp: 1168

Ion Ratio Lower Upper

112 100

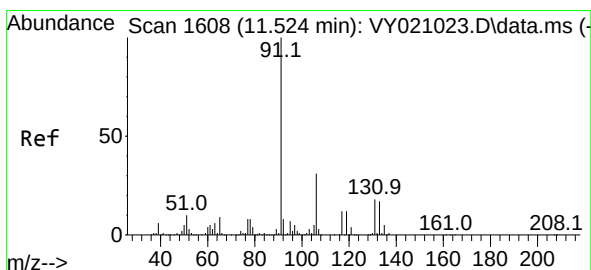
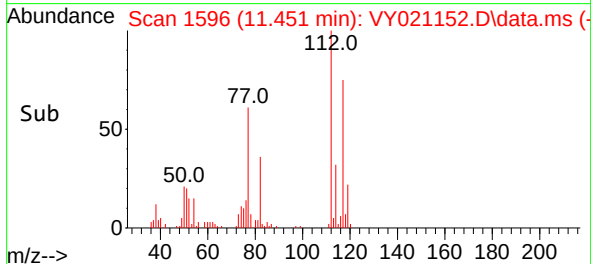
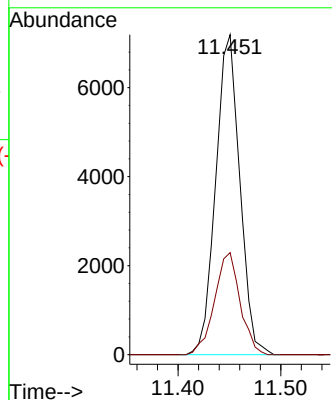
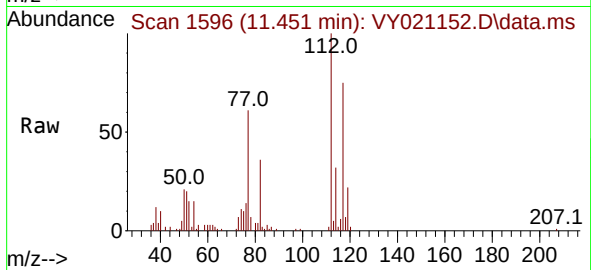
114 31.9 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/11/2025

Supervised By :Semsettin Yesilyurt 02/11/2025



#66

1,1,1,2-Tetrachloroethane

Concen: 2.528 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. -0.006 min

Lab File: VY021152.D

Acq: 10 Feb 2025 12:20

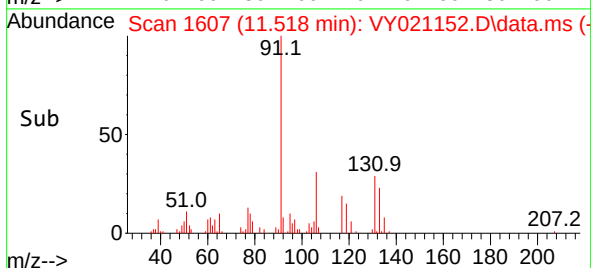
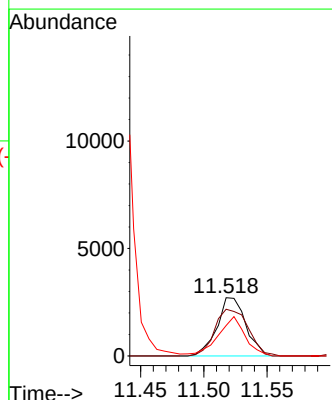
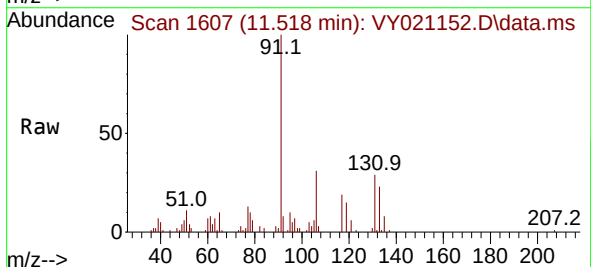
Tgt Ion:131 Resp: 4285

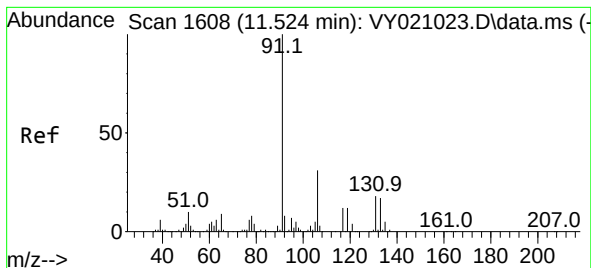
Ion Ratio Lower Upper

131 100

133 93.6 47.0 141.0

119 63.6 33.3 99.9





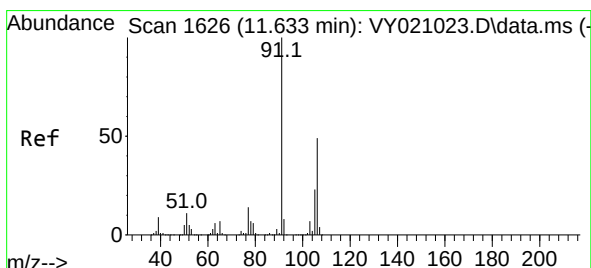
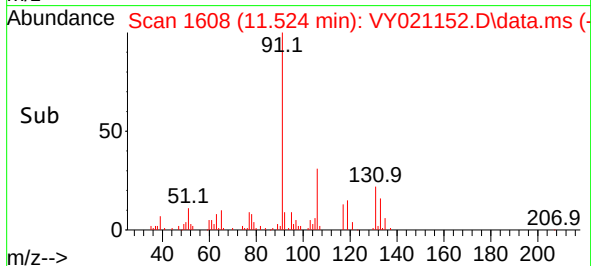
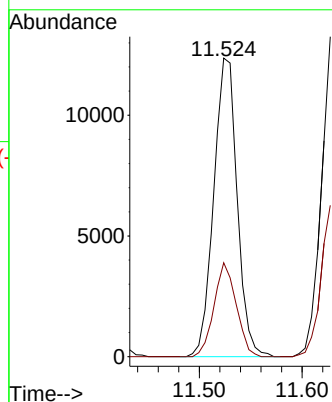
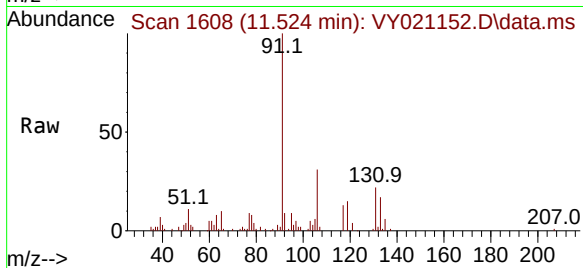
#67
Ethyl Benzene
Concen: 2.317 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. -0.000 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

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

Tgt Ion: 91 Resp: 1954
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.4

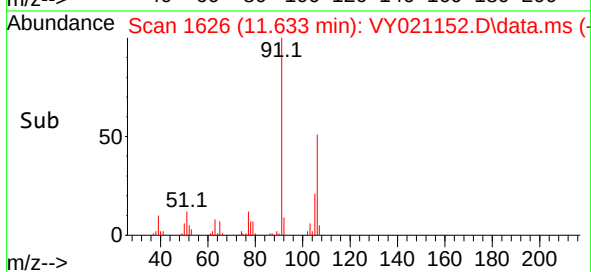
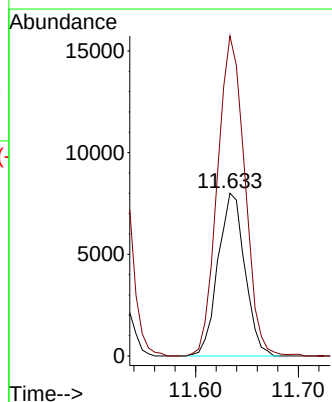
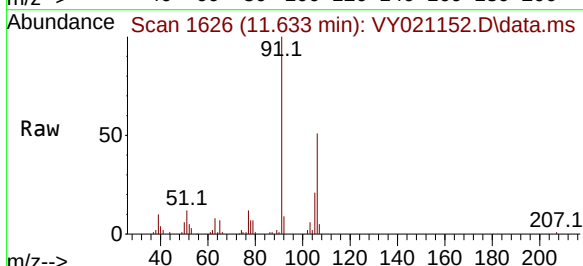
Manual Integrations
APPROVED

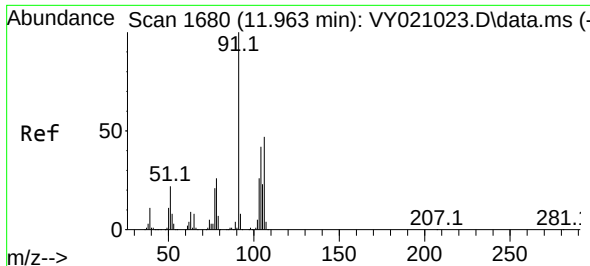
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#68
m/p-Xylenes
Concen: 4.600 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. -0.000 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

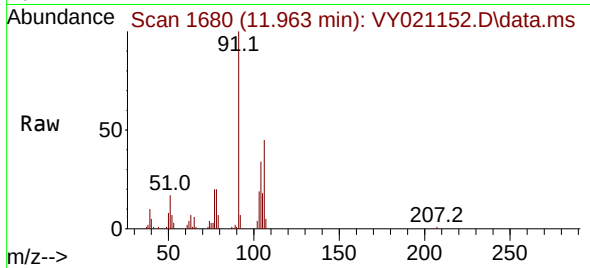
Tgt Ion:106 Resp: 14515
Ion Ratio Lower Upper
106 100
91 200.6 160.7 241.1





#69
o-Xylene
Concen: 2.237 ug/l
RT: 11.963 min Scan# 1680
Delta R.T. -0.000 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

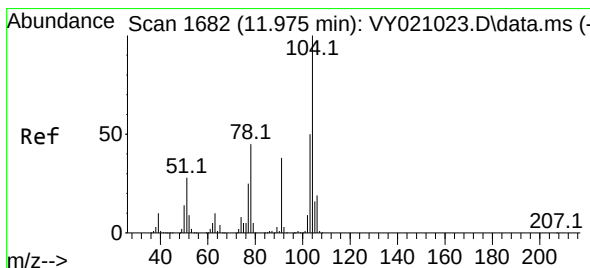
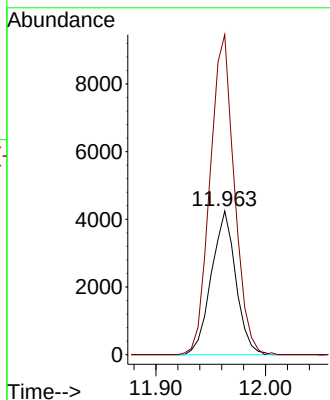
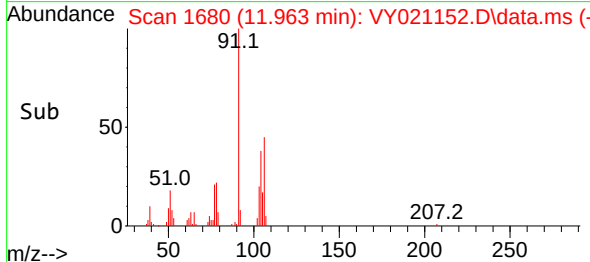
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025



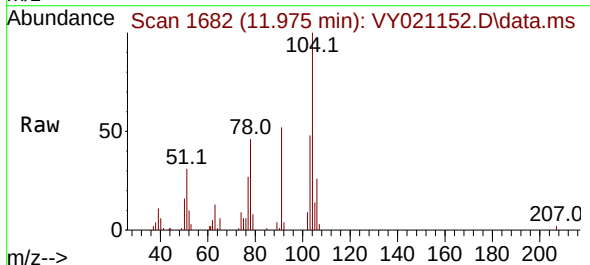
Tgt Ion:106 Resp: 6580
Ion Ratio Lower Upper
106 100
91 221.2 106.5 319.5

Manual Integrations
APPROVED

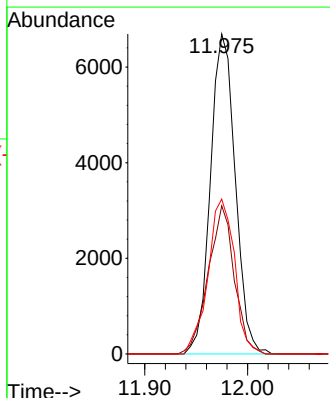
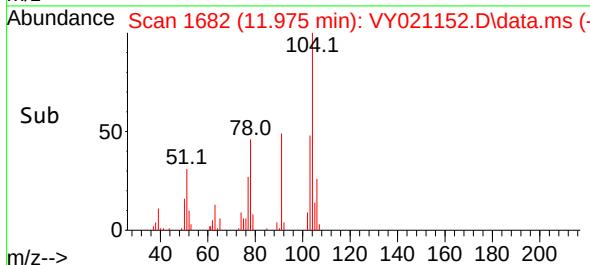
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025

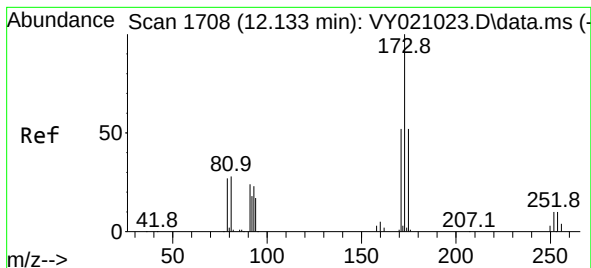


#70
Styrene
Concen: 2.287 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20



Tgt Ion:104 Resp: 11215
Ion Ratio Lower Upper
104 100
78 48.6 39.2 58.8
103 51.8 43.8 65.6





#71

Bromoform

Concen: 2.534 ug/l

RT: 12.133 min Scan# 1708

Delta R.T. -0.000 min

Lab File: VY021152.D

Acq: 10 Feb 2025 12:20

Instrument :

MSVOA_Y

ClientSampleId :

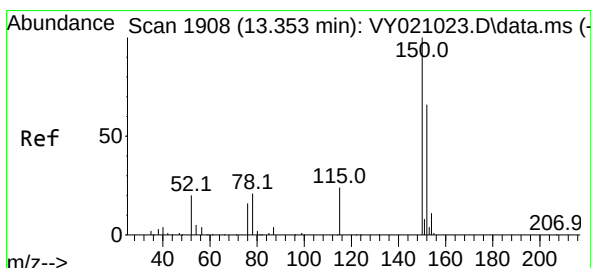
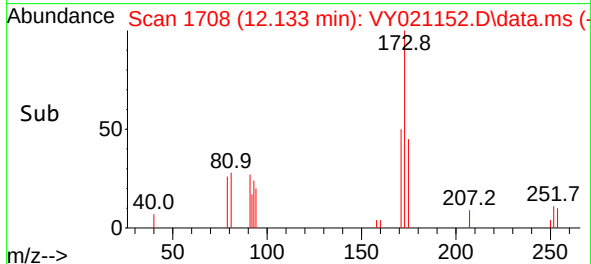
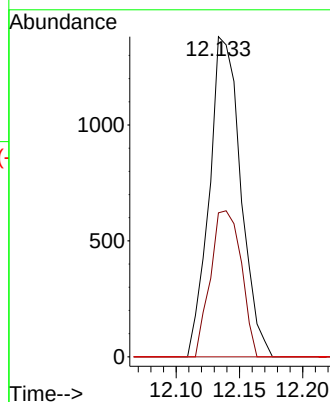
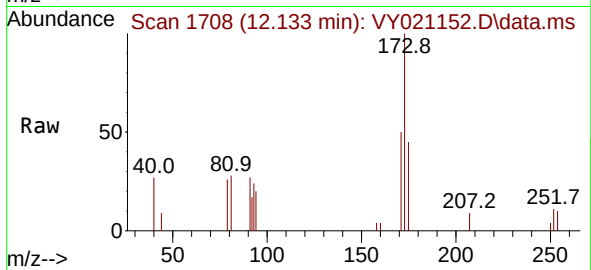
MDL-SOIL-03-QT1-2025

Tgt Ion:173	Resp:	2390
Ion Ratio	Lower	Upper
173	100	
175	44.5	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

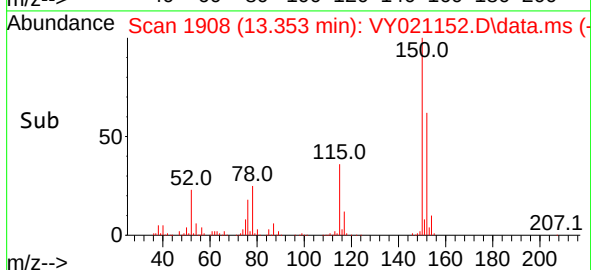
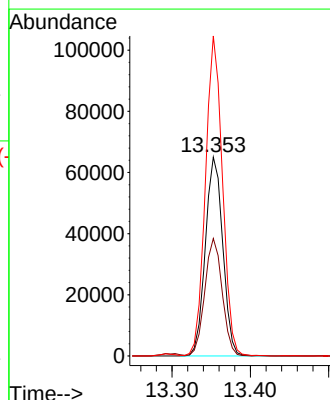
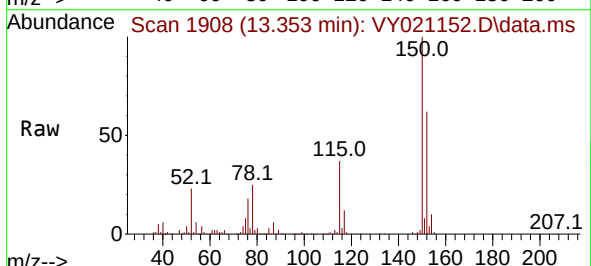
RT: 13.353 min Scan# 1908

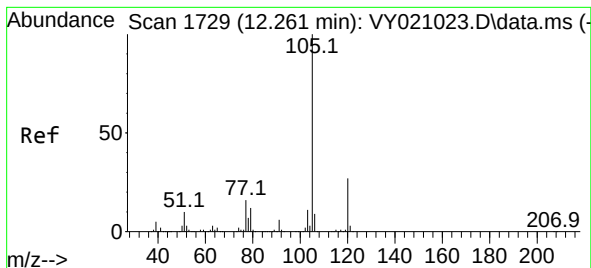
Delta R.T. 0.000 min

Lab File: VY021152.D

Acq: 10 Feb 2025 12:20

Tgt Ion:152	Resp:	100404
Ion Ratio	Lower	Upper
152	100	
115	58.8	30.0 90.0
150	156.9	0.0 344.6





#73

Isopropylbenzene

Concen: 2.171 ug/l

RT: 12.261 min Scan# 1729

Delta R.T. 0.000 min

Lab File: VY021152.D

Acq: 10 Feb 2025 12:20

Instrument :

MSVOA_Y

ClientSampleId :

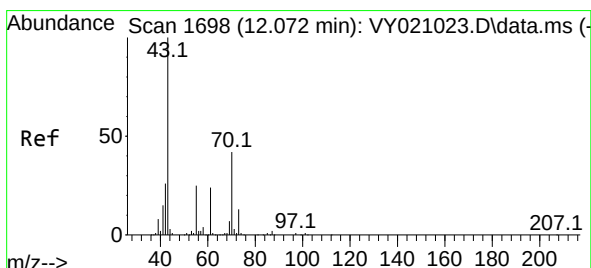
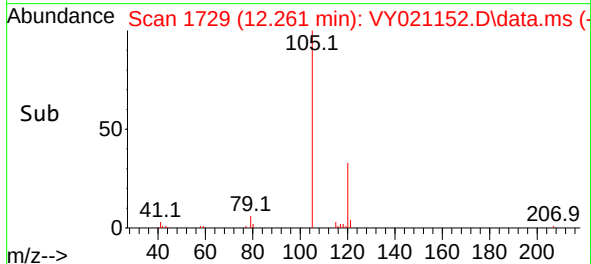
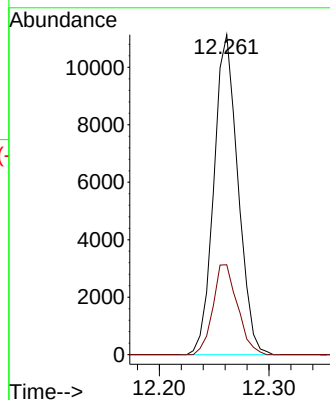
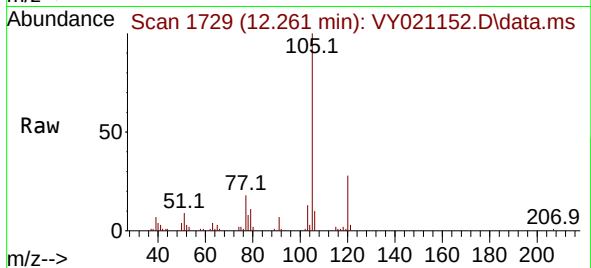
MDL-SOIL-03-QT1-2025

Tgt Ion:105 Resp: 17029
 Ion Ratio Lower Upper
 105 100
 120 28.7 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: 2.120 ug/l

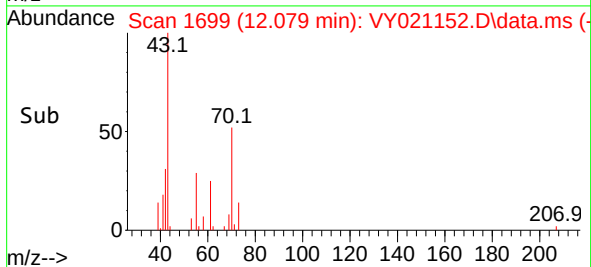
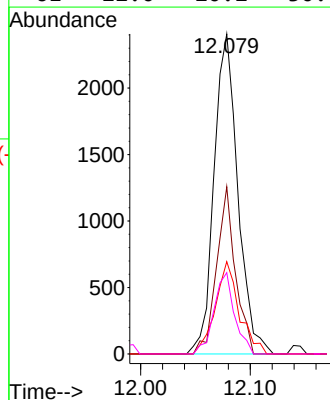
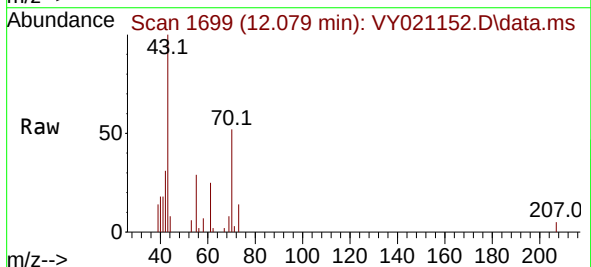
RT: 12.079 min Scan# 1699

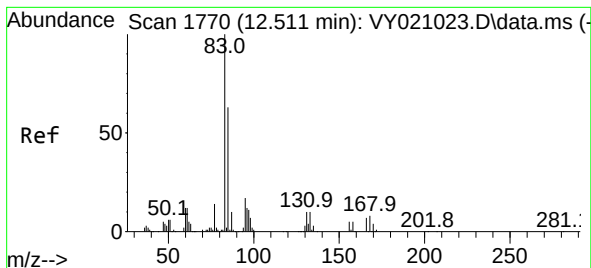
Delta R.T. 0.006 min

Lab File: VY021152.D

Acq: 10 Feb 2025 12:20

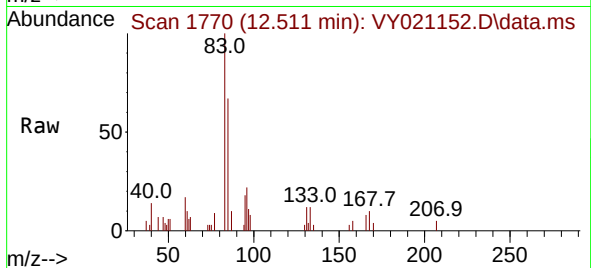
Tgt Ion: 43 Resp: 3635
 Ion Ratio Lower Upper
 43 100
 70 41.3 36.6 55.0
 55 28.9 22.2 33.4
 61 22.0 20.2 30.4





#75
1,1,2,2-Tetrachloroethane
Concen: 2.663 ug/l
RT: 12.511 min Scan# 1770
Delta R.T. -0.000 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

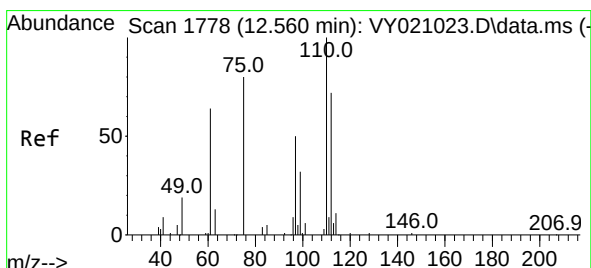
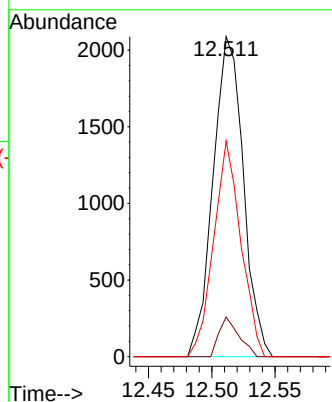
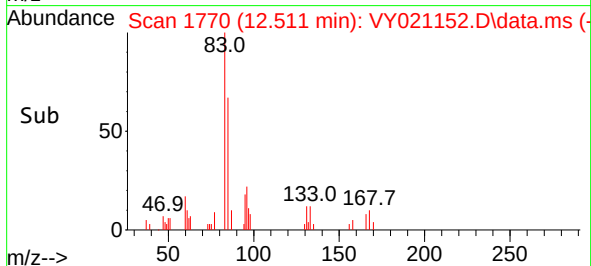
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2025



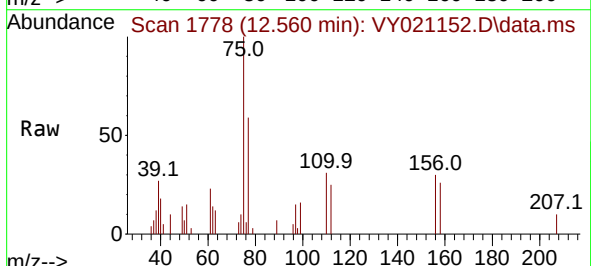
Tgt Ion: 83 Resp: 347
Ion Ratio Lower Upper
83 100
131 8.1 4.9 14.6
85 60.5 32.6 98.0

Manual Integrations
APPROVED

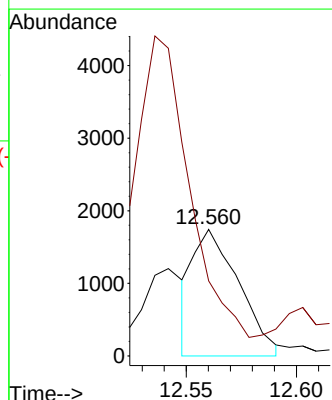
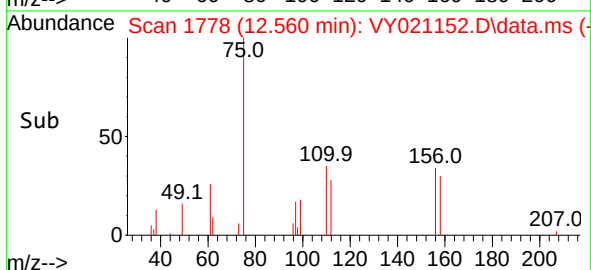
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025

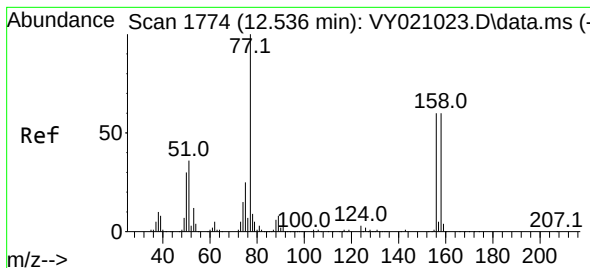


#76
1,2,3-Trichloropropane
Concen: 2.770 ug/l m
RT: 12.560 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20



Tgt Ion: 75 Resp: 2523
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 2.501 ug/l

RT: 12.542 min Scan# 1775

Delta R.T. 0.006 min

Lab File: VY021152.D

Acq: 10 Feb 2025 12:20

Instrument :

MSVOA_Y

ClientSampleId :

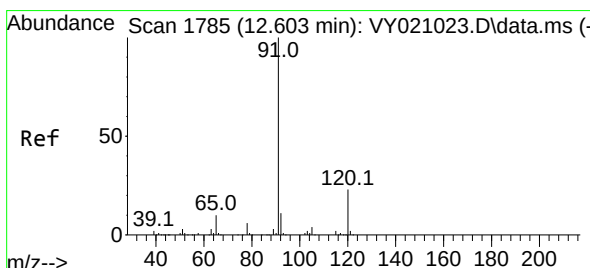
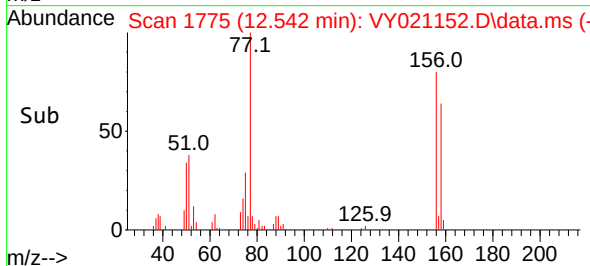
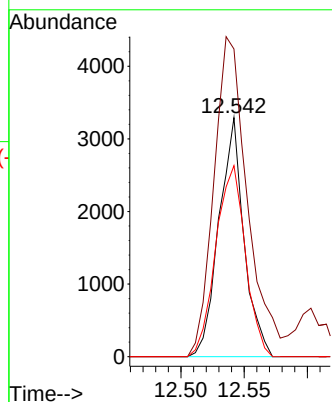
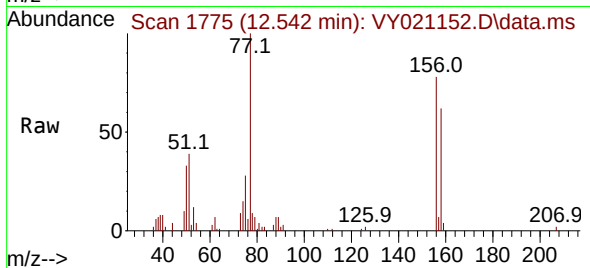
MDL-SOIL-03-QT1-2025

Tgt Ion:	156	Resp:	452
Ion Ratio	Lower	Upper	
156	100		
77	178.6	97.3	291.8
158	94.2	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: 2.431 ug/l

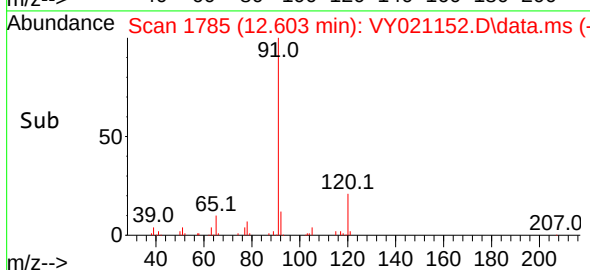
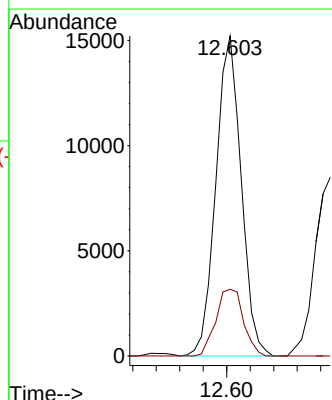
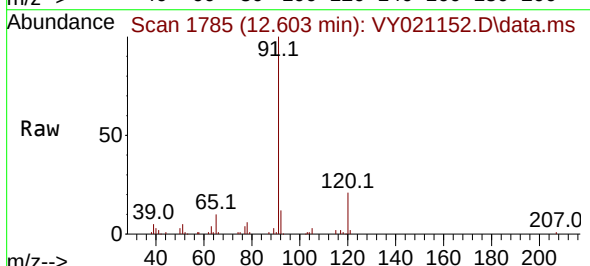
RT: 12.603 min Scan# 1785

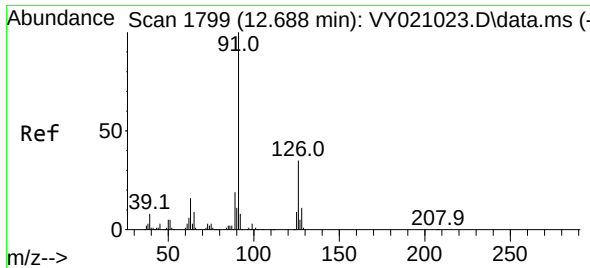
Delta R.T. 0.000 min

Lab File: VY021152.D

Acq: 10 Feb 2025 12:20

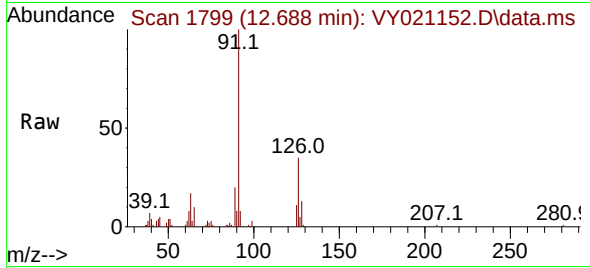
Tgt Ion:	91	Resp:	22708
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.0	33.0





#79
2-Chlorotoluene
Concen: 2.465 ug/l
RT: 12.688 min Scan# 1799
Delta R.T. 0.000 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

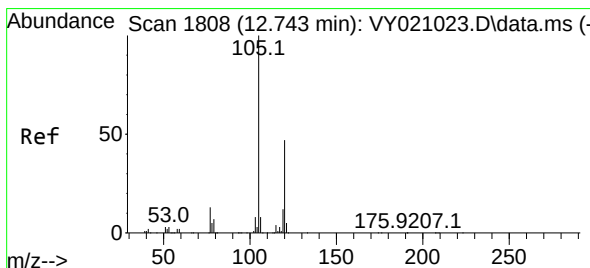
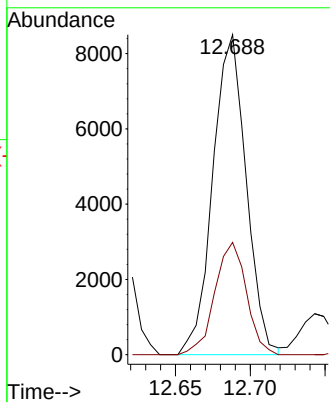
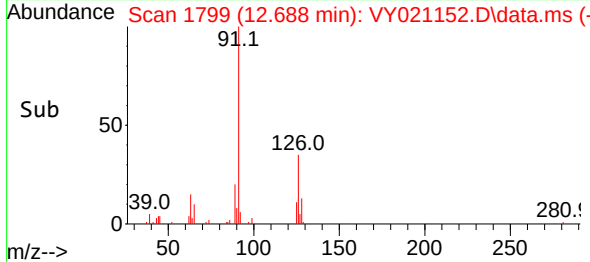
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2025



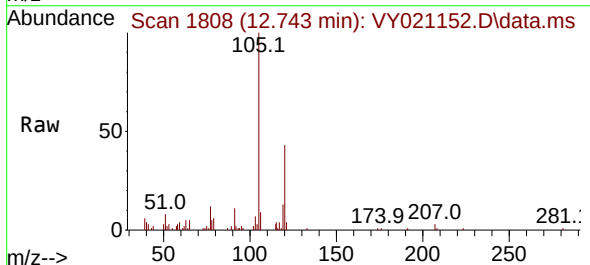
Tgt Ion: 91 Resp: 13190
Ion Ratio Lower Upper
91 100
126 33.2 17.0 51.0

Manual Integrations
APPROVED

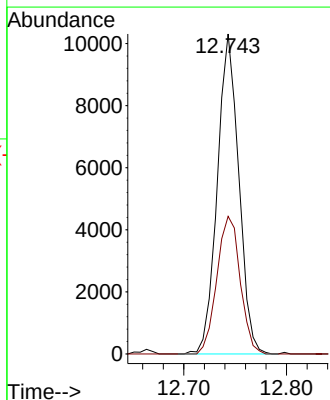
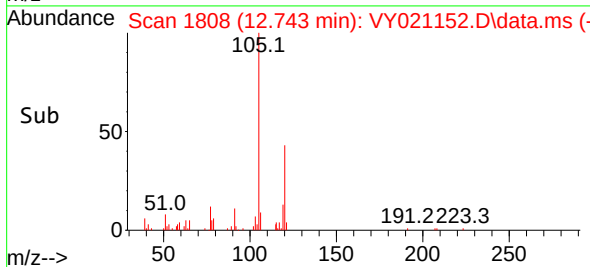
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025

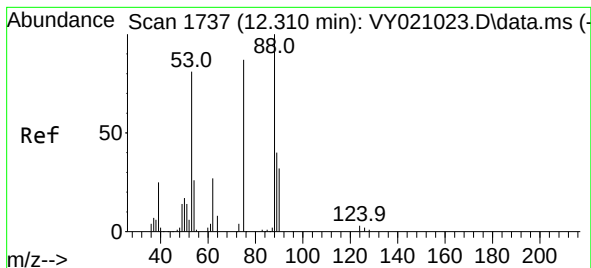


#80
1,3,5-Trimethylbenzene
Concen: 2.348 ug/l
RT: 12.743 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20



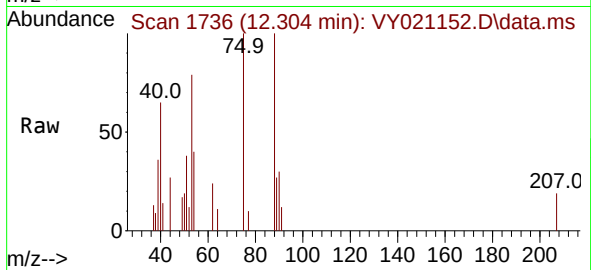
Tgt Ion:105 Resp: 14931
Ion Ratio Lower Upper
105 100
120 46.6 24.3 72.8





#81
trans-1,4-Dichloro-2-butene
Concen: 2.196 ug/l m
RT: 12.304 min Scan# 1736
Delta R.T. -0.006 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

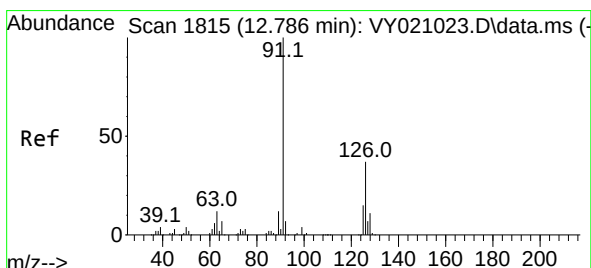
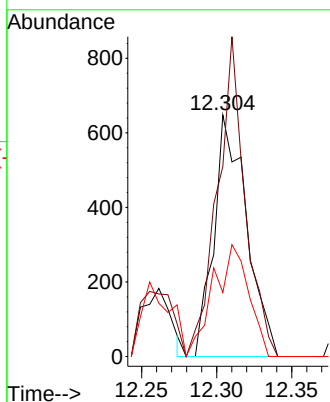
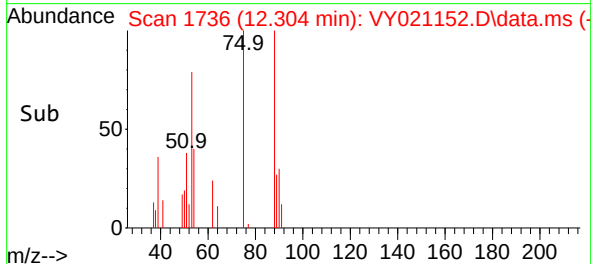
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2025



Tgt Ion: 75 Resp: 980
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0
89 3.1 36.5 54.7

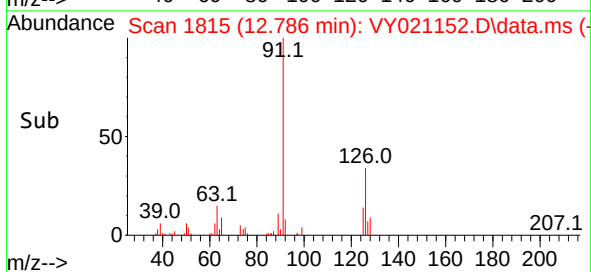
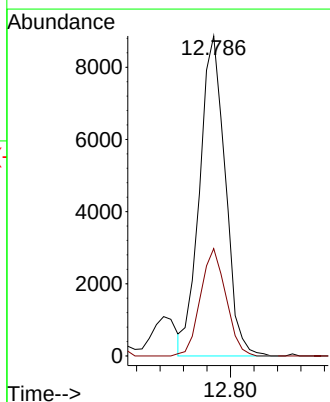
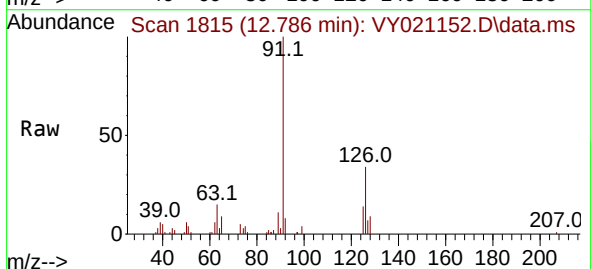
Manual Integrations
APPROVED

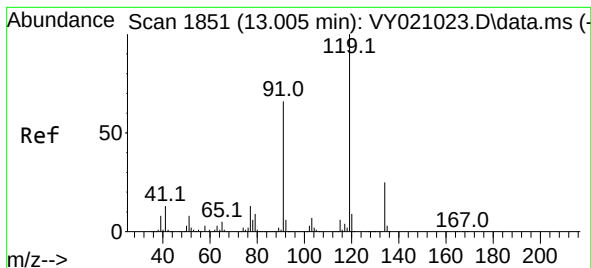
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#82
4-Chlorotoluene
Concen: 2.466 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. -0.000 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

Tgt Ion: 91 Resp: 13445
Ion Ratio Lower Upper
91 100
126 33.3 17.1 51.2





#83

tert-Butylbenzene

Concen: 2.274 ug/l

RT: 13.005 min Scan# 1851

Delta R.T. 0.000 min

Lab File: VY021152.D

Acq: 10 Feb 2025 12:20

Instrument :

MSVOA_Y

ClientSampleId :

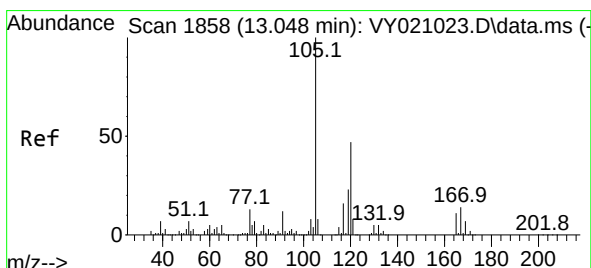
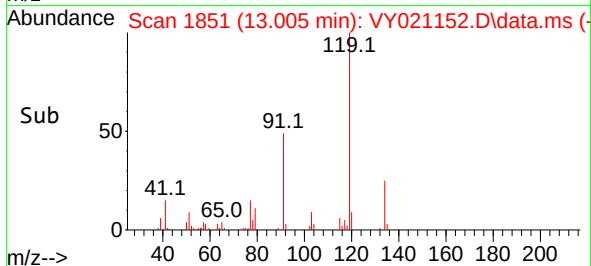
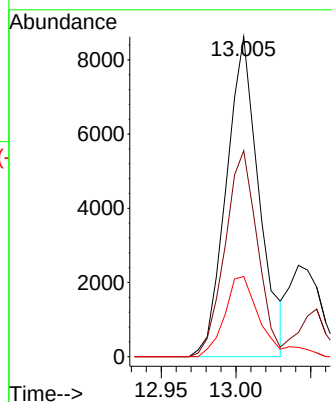
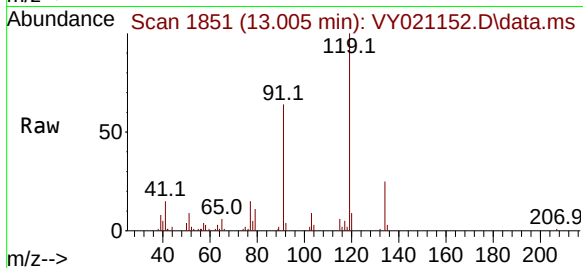
MDL-SOIL-03-QT1-2025

Tgt Ion:	119	Resp:	1314
Ion Ratio	Lower	Upper	
119	100		
91	63.7	31.5	94.5
134	27.8	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: 2.244 ug/l

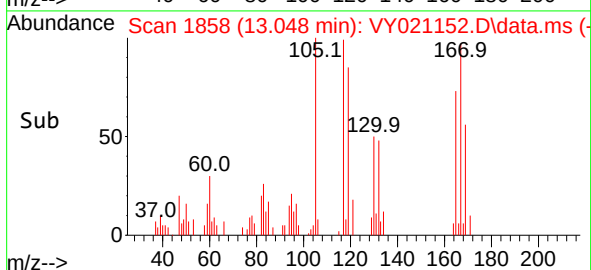
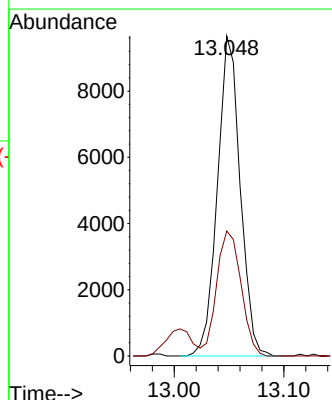
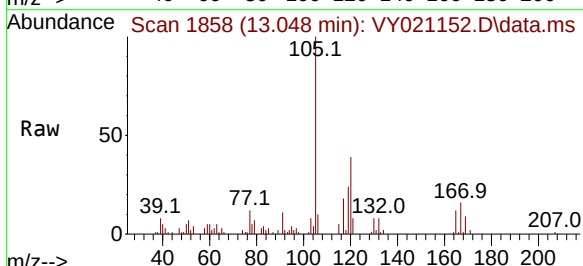
RT: 13.048 min Scan# 1858

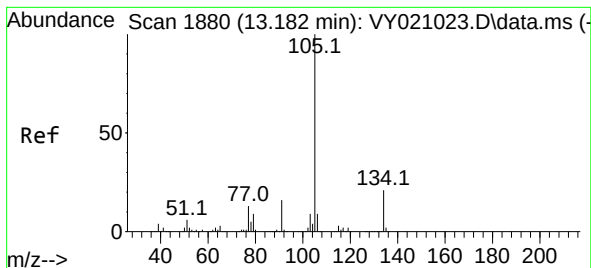
Delta R.T. -0.000 min

Lab File: VY021152.D

Acq: 10 Feb 2025 12:20

Tgt Ion:	105	Resp:	13955
Ion Ratio	Lower	Upper	
105	100		
120	41.8	22.1	66.3





#85

sec-Butylbenzene

Concen: 2.319 ug/l

RT: 13.182 min Scan# 1880

Delta R.T. 0.000 min

Lab File: VY021152.D

Acq: 10 Feb 2025 12:20

Instrument :

MSVOA_Y

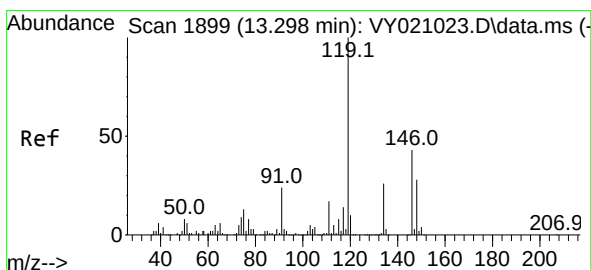
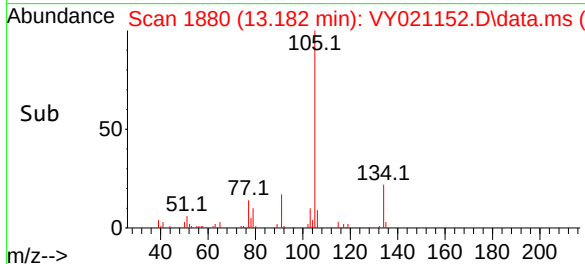
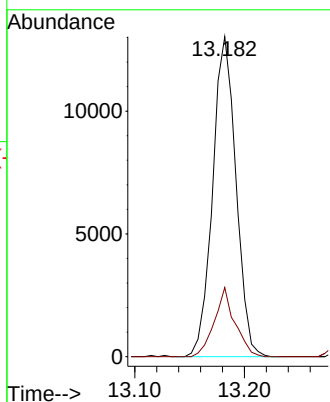
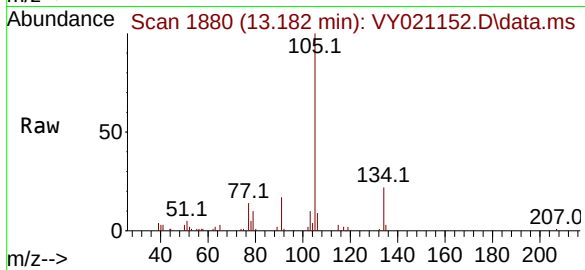
ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion:105 Resp: 1929
 Ion Ratio Lower Upper
 105 100
 134 19.0 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: 2.251 ug/l

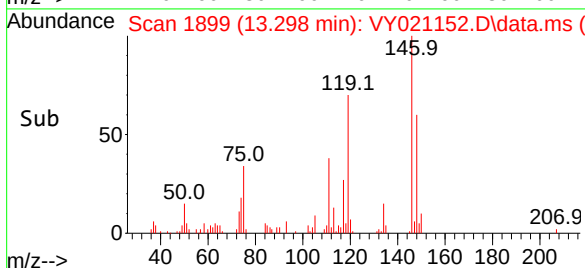
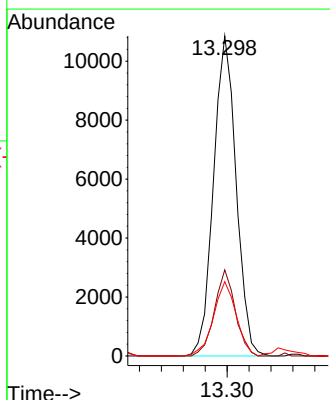
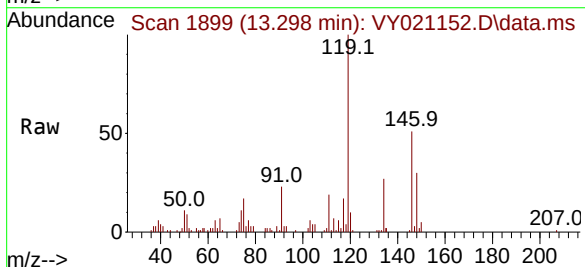
RT: 13.298 min Scan# 1899

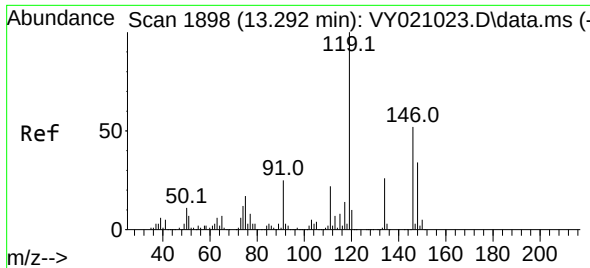
Delta R.T. 0.000 min

Lab File: VY021152.D

Acq: 10 Feb 2025 12:20

Tgt Ion:119 Resp: 15558
 Ion Ratio Lower Upper
 119 100
 134 24.8 13.1 39.1
 91 23.3 11.7 35.0





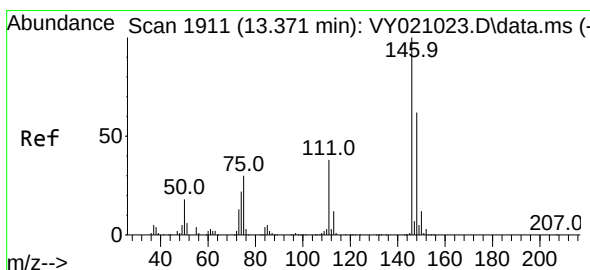
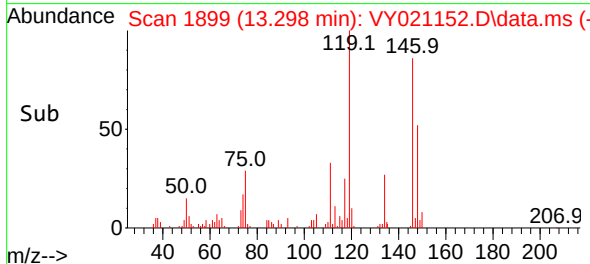
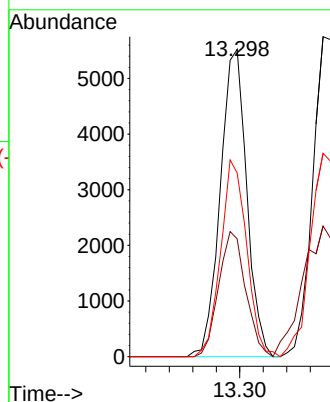
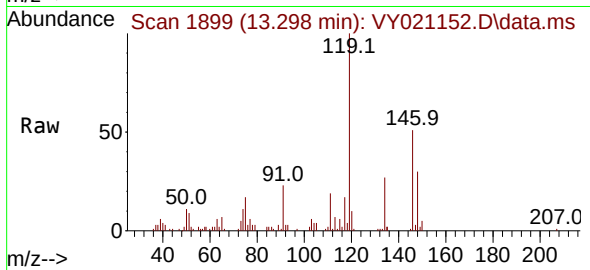
#87
1,3-Dichlorobenzene
Concen: 2.472 ug/l
RT: 13.298 min Scan# 1898
Delta R.T. 0.006 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

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

Tgt Ion:146 Resp: 8640
Ion Ratio Lower Upper
146 100
111 41.6 20.2 60.5
148 62.9 31.9 95.9

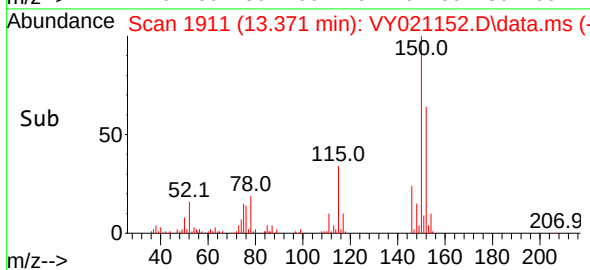
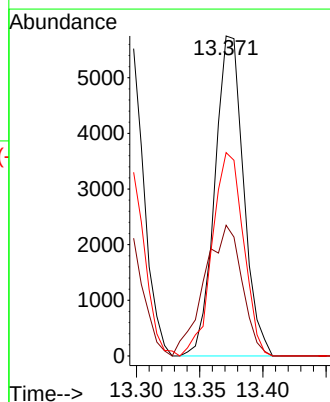
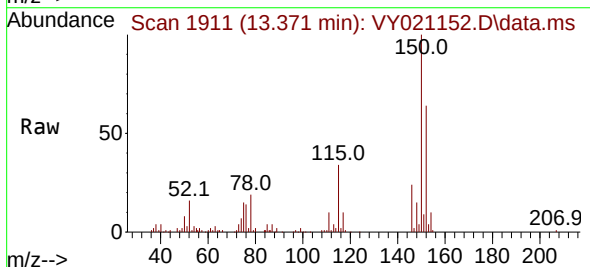
Manual Integrations
APPROVED

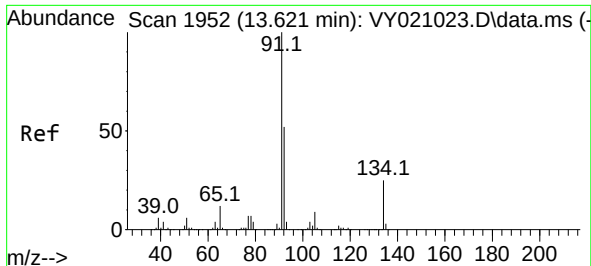
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#88
1,4-Dichlorobenzene
Concen: 2.637 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. -0.000 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

Tgt Ion:146 Resp: 9075
Ion Ratio Lower Upper
146 100
111 53.8 19.3 57.9
148 69.1 31.6 94.7





#89

n-Butylbenzene

Concen: 2.300 ug/l

RT: 13.627 min Scan# 1952

Delta R.T. 0.006 min

Lab File: VY021152.D

Acq: 10 Feb 2025 12:20

Instrument :

MSVOA_Y

ClientSampleId :

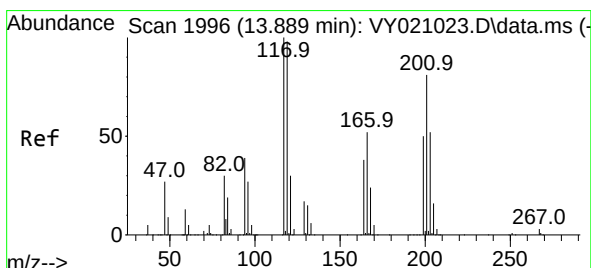
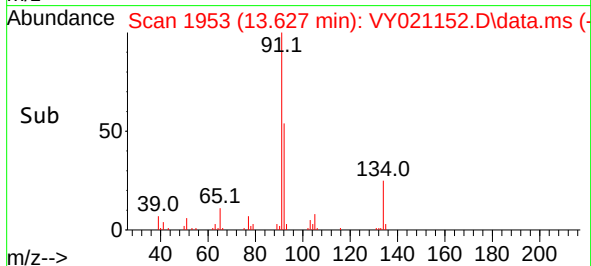
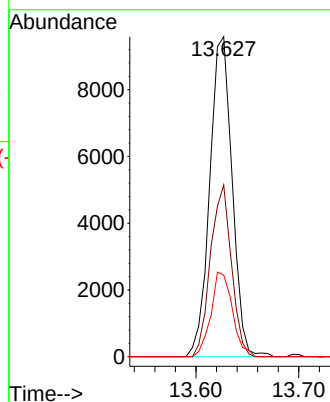
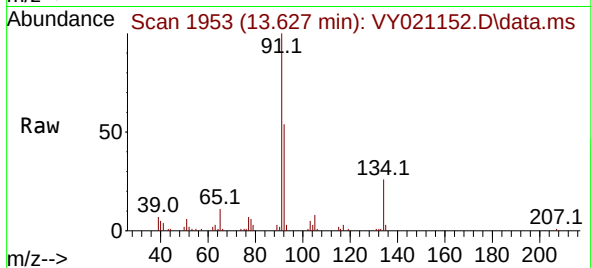
MDL-SOIL-03-QT1-2025

Tgt Ion: 91	Resp: 14504
Ion Ratio	Lower Upper
91 100	
92 50.0	26.4 79.2
134 25.3	12.3 36.8

Manual Integrations

APPROVED

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



#90

Hexachloroethane

Concen: 2.467 ug/l

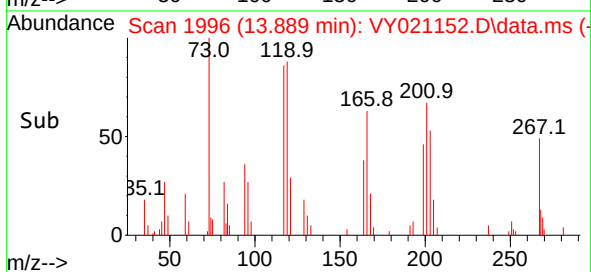
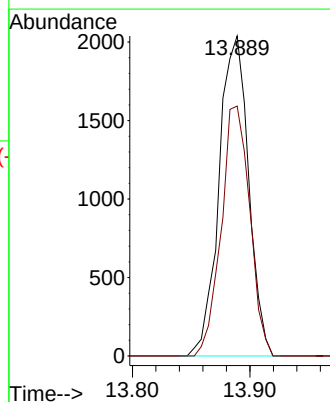
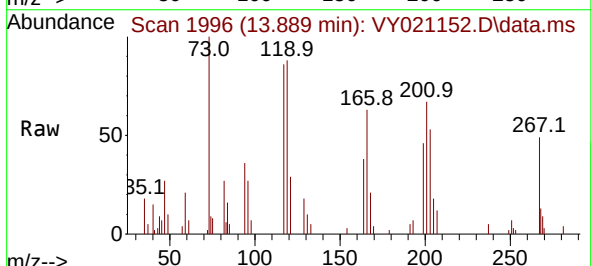
RT: 13.889 min Scan# 1996

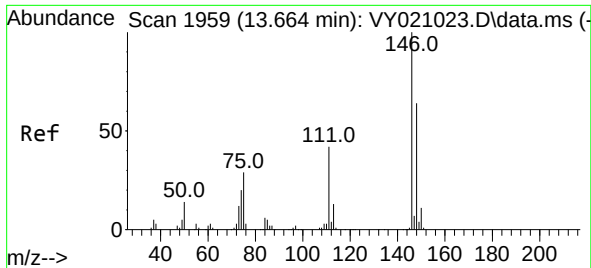
Delta R.T. -0.000 min

Lab File: VY021152.D

Acq: 10 Feb 2025 12:20

Tgt Ion:117	Resp: 3557
Ion Ratio	Lower Upper
117 100	
201 75.6	33.4 100.1





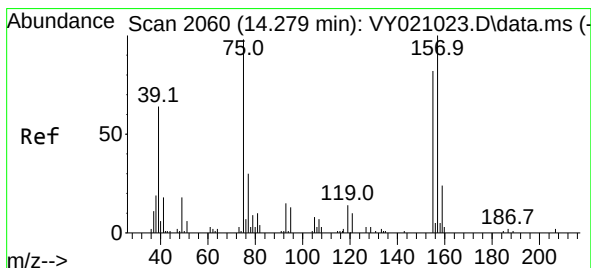
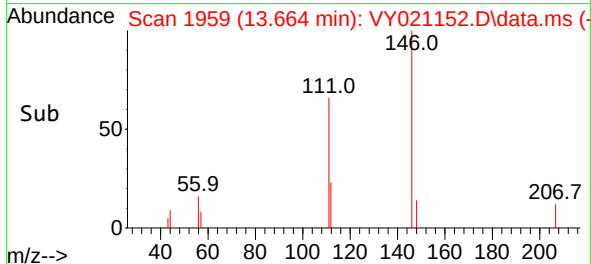
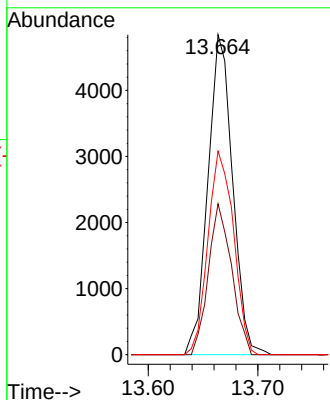
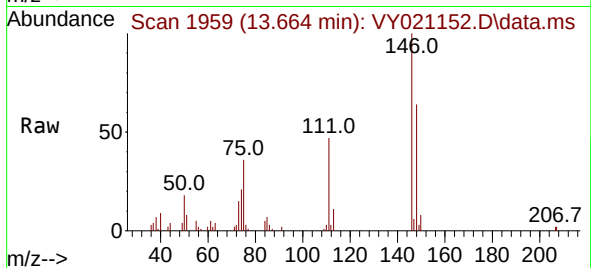
#91
1,2-Dichlorobenzene
Concen: 2.497 ug/l
RT: 13.664 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

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

Tgt Ion:146 Resp: 7574
Ion Ratio Lower Upper
146 100
111 44.4 20.5 61.6
148 66.2 31.4 94.3

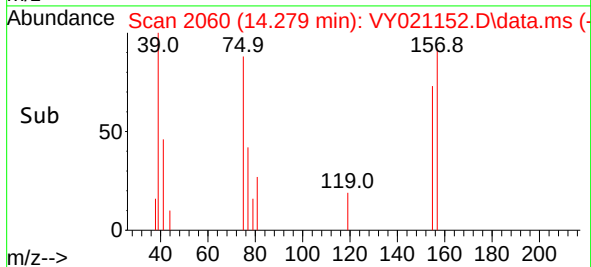
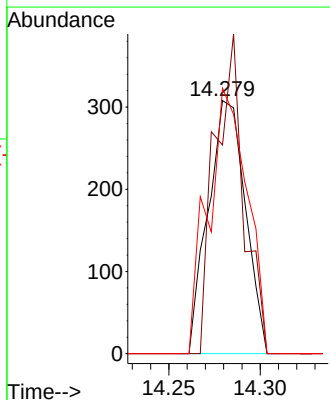
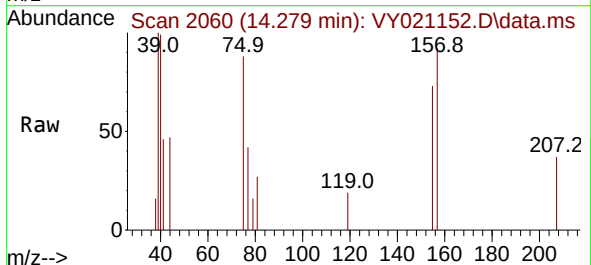
Manual Integrations
APPROVED

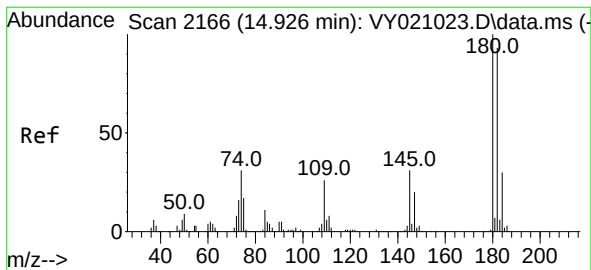
Reviewed By :Mahesh Dadoda 02/11/2025
Supervised By :Semsettin Yesilyurt 02/11/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.237 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. -0.000 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

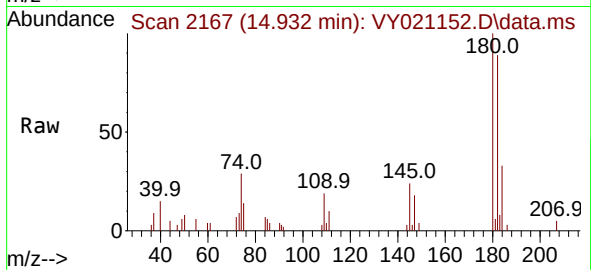
Tgt Ion: 75 Resp: 436
Ion Ratio Lower Upper
75 100
155 97.5 42.1 126.3
157 110.3 55.8 167.4





#93
 1,2,4-Trichlorobenzene
 Concen: 2.331 ug/l
 RT: 14.932 min Scan# 2166
 Delta R.T. 0.006 min
 Lab File: VY021152.D
 Acq: 10 Feb 2025 12:20

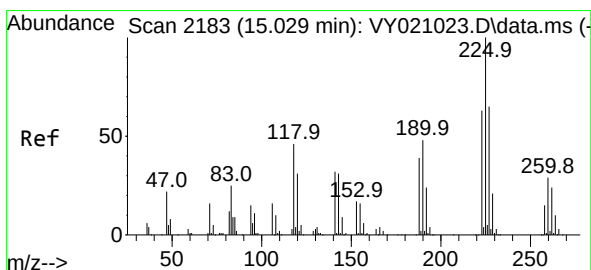
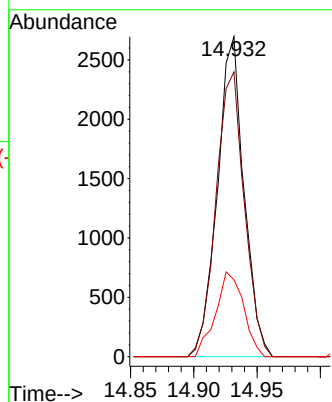
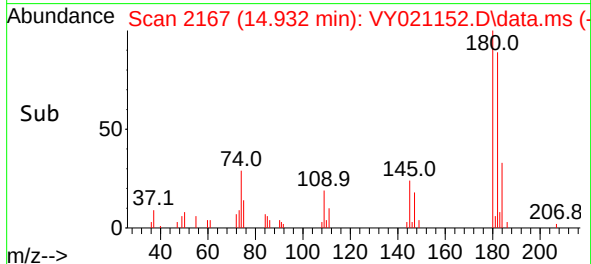
Instrument : MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT1-2025



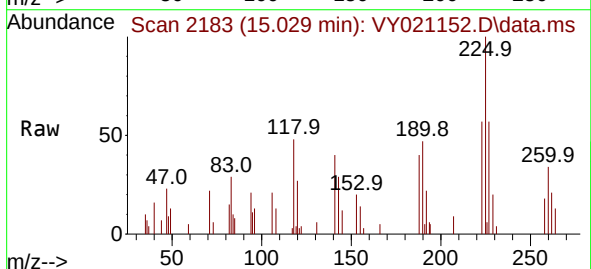
Tgt Ion:180 Resp: 3930
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.9 143.7
 145 27.8 15.9 47.7

Manual Integrations
 APPROVED

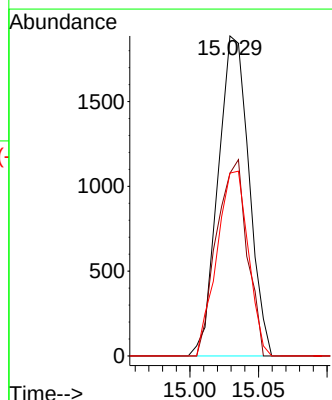
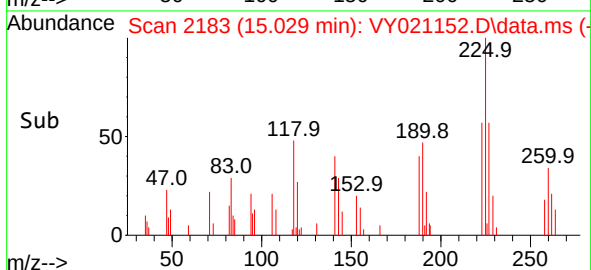
Reviewed By :Mahesh Dadoda 02/11/2025
 Supervised By :Semsettin Yesilyurt 02/11/2025

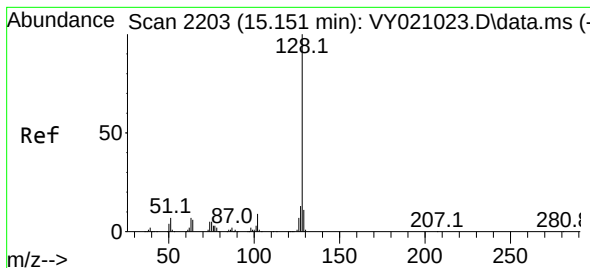


#94
 Hexachlorobutadiene
 Concen: 2.640 ug/l
 RT: 15.029 min Scan# 2183
 Delta R.T. -0.000 min
 Lab File: VY021152.D
 Acq: 10 Feb 2025 12:20



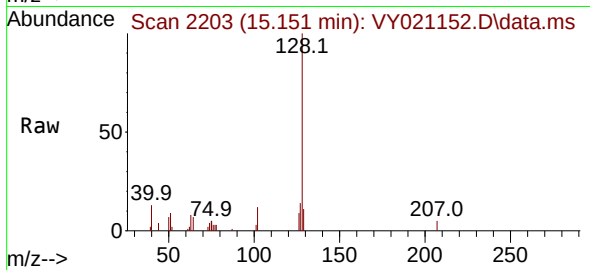
Tgt Ion:225 Resp: 2954
 Ion Ratio Lower Upper
 225 100
 223 60.7 31.4 94.3
 227 58.8 32.3 96.8





#95
Naphthalene
Concen: 2.249 ug/l
RT: 15.151 min Scan# 2203
Delta R.T. -0.000 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20

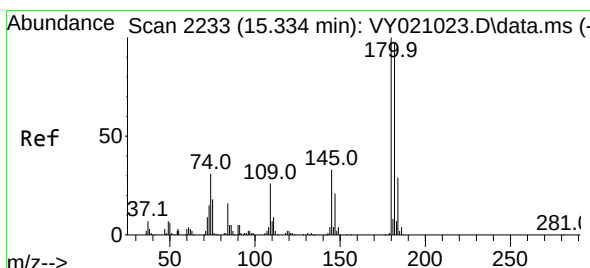
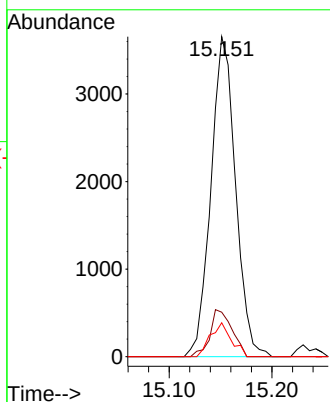
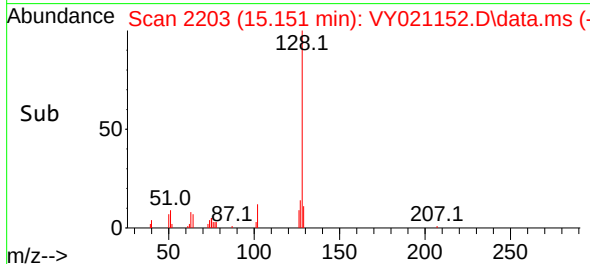
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2025



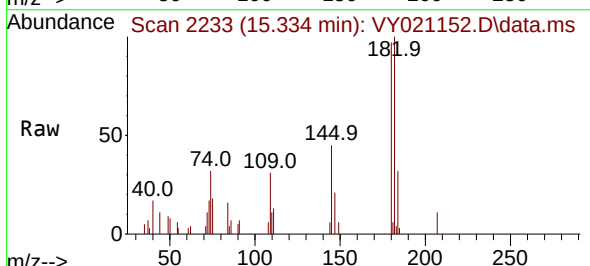
Tgt Ion:128 Resp: 6075
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.4
129 9.0 8.6 12.8

Manual Integrations
APPROVED

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



#96
1,2,3-Trichlorobenzene
Concen: 2.371 ug/l
RT: 15.334 min Scan# 2233
Delta R.T. 0.000 min
Lab File: VY021152.D
Acq: 10 Feb 2025 12:20



Tgt Ion:180 Resp: 3331
Ion Ratio Lower Upper
180 100
182 93.0 46.3 138.8
145 37.5 16.1 48.2

