

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
 Data File : VY022457.D
 Acq On : 29 May 2025 10:53
 Operator : SY/MD
 Sample : Q2126-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: May 30 06:47:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	198280	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	352354	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	290987	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	126938	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	113410	54.302	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.600%	
35) Dibromofluoromethane	7.640	113	103013	49.922	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.840%	
50) Toluene-d8	10.109	98	417358	49.615	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.220%	
62) 4-Bromofluorobenzene	12.407	95	116819	45.911	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.820%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.867	85	5229	2.764	ug/l	86
3) Chloromethane	2.068	50	17119	3.679	ug/l	91
4) Vinyl Chloride	2.202	62	19141	3.386	ug/l	91
5) Bromomethane	2.604	94	19604	3.816	ug/l	94
6) Chloroethane	2.738	64	12641	3.422	ug/l	98
7) Trichlorofluoromethane	3.055	101	13666	2.865	ug/l	100
8) Diethyl Ether	3.458	74	3527	3.207	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	6178	2.953	ug/l	97
10) Methyl Iodide	4.007	142	5492	2.326	ug/l	98
11) Tert butyl alcohol	4.878	59	1552	10.543	ug/l #	89
12) 1,1-Dichloroethene	3.793	96	5834	2.808	ug/l	90
13) Acrolein	3.659	56	3214	14.571	ug/l	97
14) Allyl chloride	4.385	41	9419	3.014	ug/l	97
15) Acrylonitrile	5.061	53	6487	14.634	ug/l	94
16) Acetone	3.879	43	5703	16.618	ug/l	100
17) Carbon Disulfide	4.110	76	18702	2.821	ug/l	97
18) Methyl Acetate	4.403	43	6347	4.937	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	16414	2.976	ug/l	100
20) Methylene Chloride	4.622	84	8938	3.688	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	6477	2.856	ug/l	89
22) Diisopropyl ether	6.031	45	19565	2.837	ug/l	91
23) Vinyl Acetate	5.970	43	47813	12.074	ug/l #	91
24) 1,1-Dichloroethane	5.915	63	12108	2.971	ug/l	94
25) 2-Butanone	6.908	43	8222	14.385	ug/l	93
26) 2,2-Dichloropropane	6.890	77	9953	2.697	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	7337	2.794	ug/l	98
28) Bromochloromethane	7.250	49	4873	2.863	ug/l	98
29) Tetrahydrofuran	7.274	42	5655	14.835	ug/l	97
30) Chloroform	7.427	83	12260	3.053	ug/l	91
31) Cyclohexane	7.707	56	15496	3.857	ug/l #	67
32) 1,1,1-Trichloroethane	7.628	97	10454	2.868	ug/l	98
36) 1,1-Dichloropropene	7.847	75	9114	2.783	ug/l	96
37) Ethyl Acetate	7.000	43	4183	3.006	ug/l #	92
38) Carbon Tetrachloride	7.823	117	8517	2.497	ug/l	92
39) Methylcyclohexane	9.115	83	10314	2.370	ug/l	92
40) Benzene	8.085	78	25739	2.642	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.268	41	3364	3.983	ug/l #	26
42) 1,2-Dichloroethane	8.164	62	6872	2.671	ug/l	94
43) Isopropyl Acetate	8.201	43	7429	2.443	ug/l #	93
44) Trichloroethene	8.872	130	6547	2.718	ug/l	84
45) 1,2-Dichloropropane	9.146	63	6134	2.680	ug/l	97
46) Dibromomethane	9.231	93	3097	2.422	ug/l #	88
47) Bromodichloromethane	9.426	83	9133	2.777	ug/l	95
48) Methyl methacrylate	9.225	41	3565	2.526	ug/l #	84
49) 1,4-Dioxane	9.231	88	772	54.655	ug/l #	67
51) 4-Methyl-2-Pentanone	9.999	43	19165	12.774	ug/l	99
52) Toluene	10.176	92	15614	2.566	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	7446	2.431	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	9081	2.523	ug/l	95
55) 1,1,2-Trichloroethane	10.572	97	4192	2.593	ug/l	93
56) Ethyl methacrylate	10.444	69	5597	2.412	ug/l	96
57) 1,3-Dichloropropane	10.719	76	7545	2.648	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.713	63	14026	12.129	ug/l	98
59) 2-Hexanone	10.761	43	12244	12.452	ug/l	98
60) Dibromochloromethane	10.914	129	5122	2.480	ug/l	95
61) 1,2-Dibromoethane	11.017	107	4054	2.741	ug/l	94
64) Tetrachloroethene	10.646	164	6703	2.705	ug/l	96
65) Chlorobenzene	11.444	112	16199	2.611	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.517	131	5614	2.670	ug/l	98
67) Ethyl Benzene	11.523	91	28139	2.442	ug/l	98
68) m/p-Xylenes	11.633	106	21733	4.975	ug/l	95
69) o-Xylene	11.956	106	9905	2.413	ug/l	96
70) Styrene	11.969	104	16871	2.468	ug/l	98
71) Bromoform	12.133	173	2803	2.546	ug/l #	91
73) Isopropylbenzene	12.255	105	24537	2.456	ug/l	98
74) N-amyl acetate	12.072	43	5800	2.373	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.505	83	4269	2.712	ug/l	96
76) 1,2,3-Trichloropropane	12.560	75	5951	4.680	ug/l #	100
77) Bromobenzene	12.536	156	5914	2.751	ug/l	96
78) n-propylbenzene	12.596	91	30670	2.558	ug/l	98
79) 2-Chlorotoluene	12.682	91	17223	2.654	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	19993	2.561	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.407	75	68023	120.985	ug/l #	12
82) 4-Chlorotoluene	12.779	91	17809	2.664	ug/l	100
83) tert-Butylbenzene	12.999	119	17669	2.505	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	20090	2.557	ug/l	95
85) sec-Butylbenzene	13.176	105	26340	2.518	ug/l	99
86) p-Isopropyltoluene	13.291	119	21314	2.440	ug/l	98
87) 1,3-Dichlorobenzene	13.285	146	10946	2.530	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	11119	2.688	ug/l	81
89) n-Butylbenzene	13.621	91	20875	2.549	ug/l	98
90) Hexachloroethane	13.877	117	4019	2.312	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	9358	2.590	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.279	75	661	2.718	ug/l	87
93) 1,2,4-Trichlorobenzene	14.925	180	4930	2.461	ug/l	92
94) Hexachlorobutadiene	15.017	225	2781	2.646	ug/l	93
95) Naphthalene	15.145	128	8951	2.417	ug/l	98
96) 1,2,3-Trichlorobenzene	15.328	180	4474	2.723	ug/l	94

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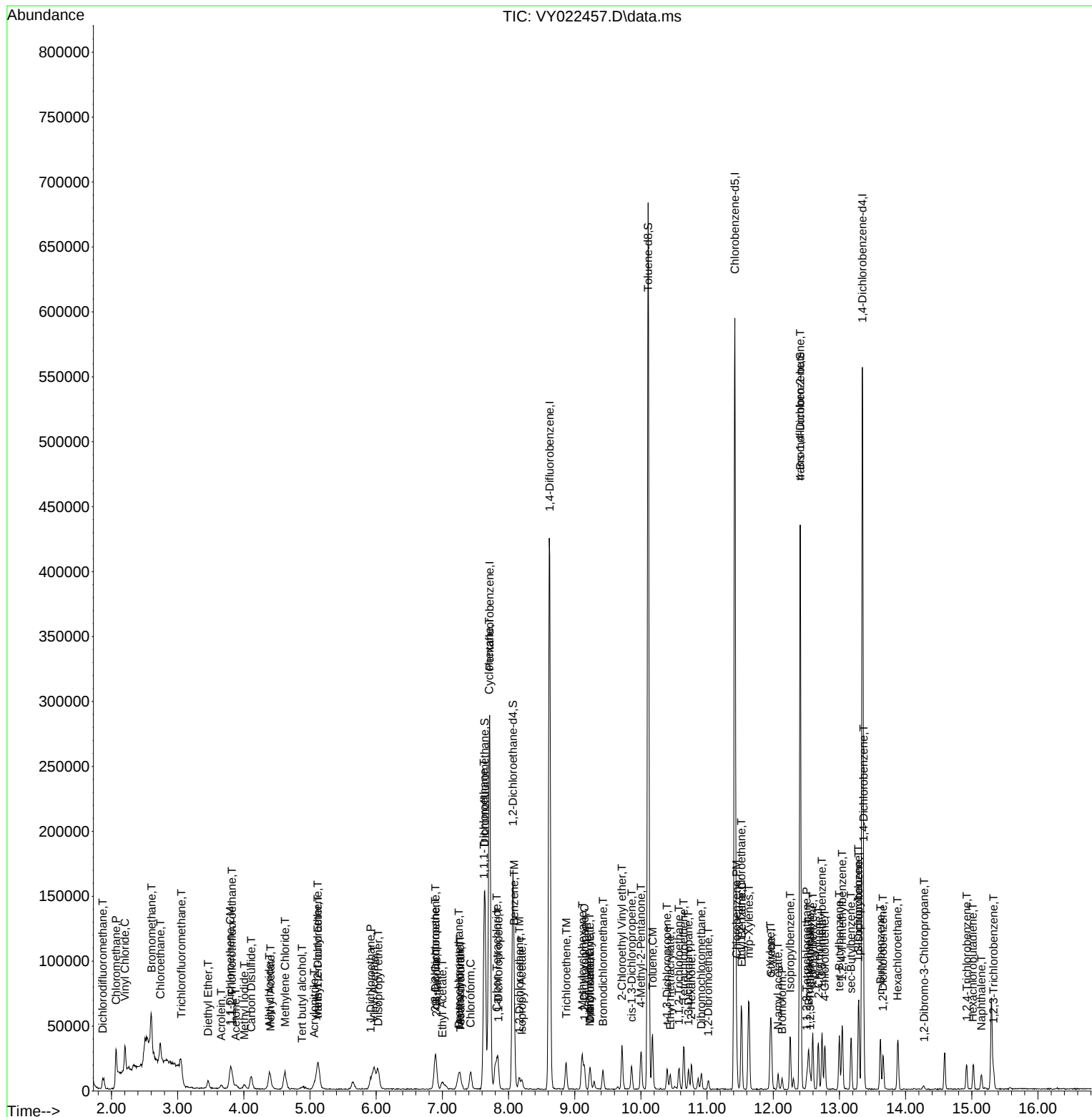
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QLast Update : Wed May 28 10:34:06 2025
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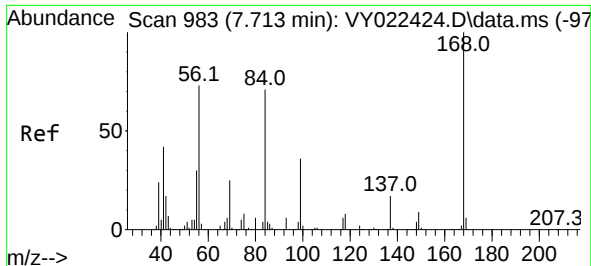
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_Y
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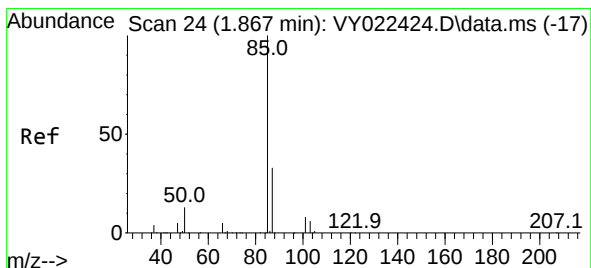
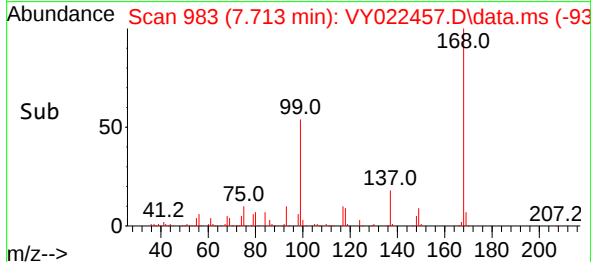
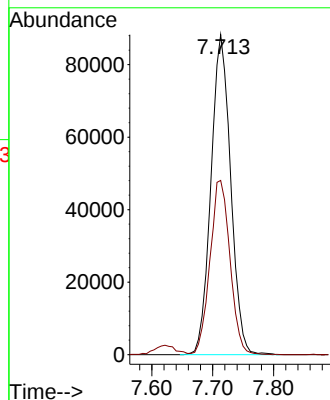
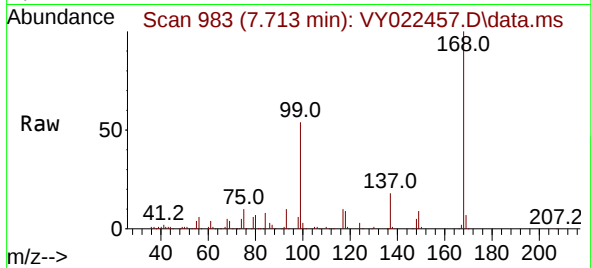




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
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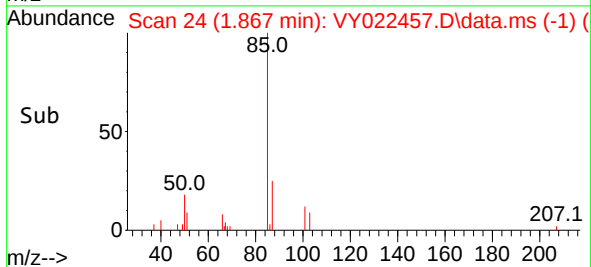
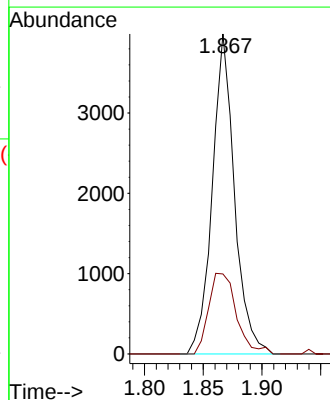
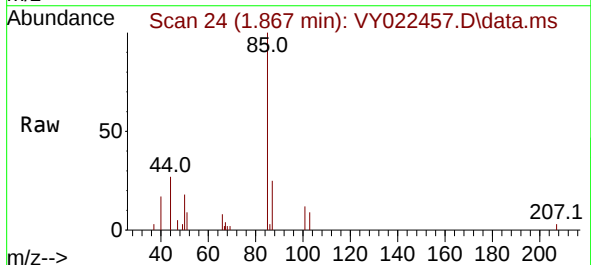
Instrument :
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ClientSampleId :
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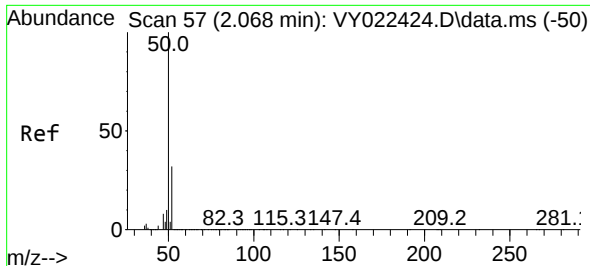
Tgt Ion:168 Resp: 198280
Ion Ratio Lower Upper
168 100
99 54.4 44.7 67.1



#2
Dichlorodifluoromethane
Concen: 2.764 ug/l
RT: 1.867 min Scan# 24
Delta R.T. -0.000 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

Tgt Ion: 85 Resp: 5229
Ion Ratio Lower Upper
85 100
87 25.0 16.4 49.2

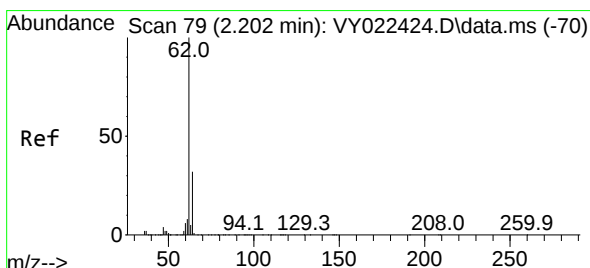
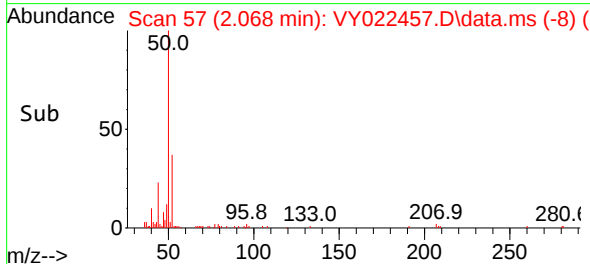
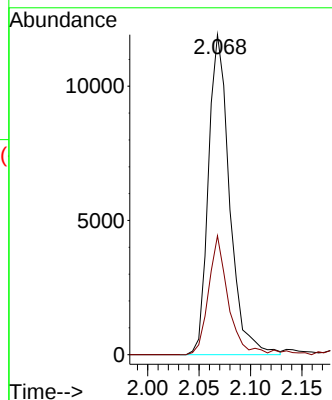
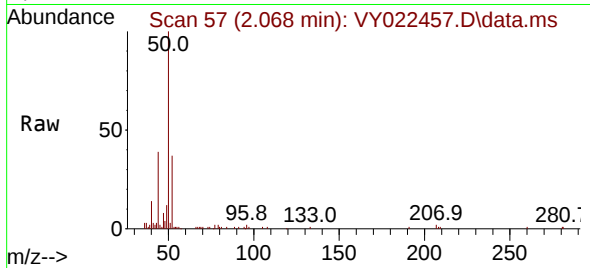




#3
Chloromethane
Concen: 3.679 ug/l
RT: 2.068 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

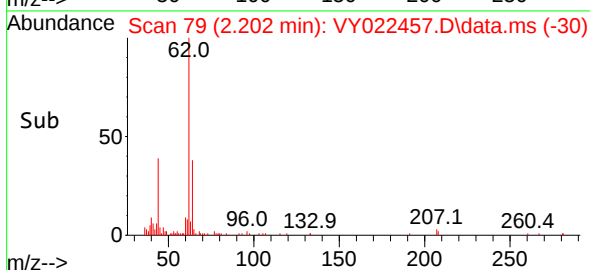
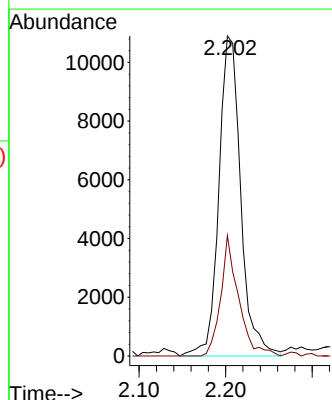
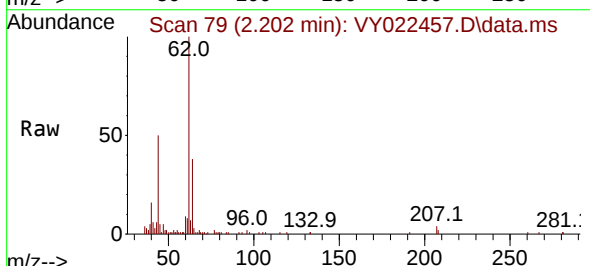
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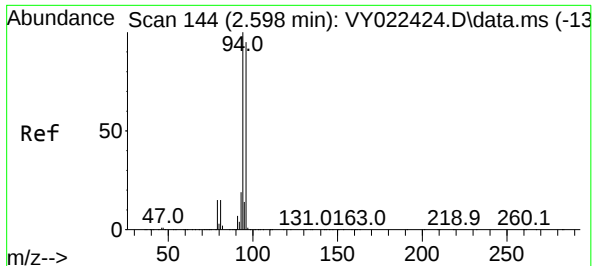
Tgt Ion: 50 Resp: 17119
Ion Ratio Lower Upper
50 100
52 37.2 25.5 38.3



#4
Vinyl Chloride
Concen: 3.386 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.000 min
Lab File: VY022457.D
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Tgt Ion: 62 Resp: 19141
Ion Ratio Lower Upper
62 100
64 37.6 26.0 39.0

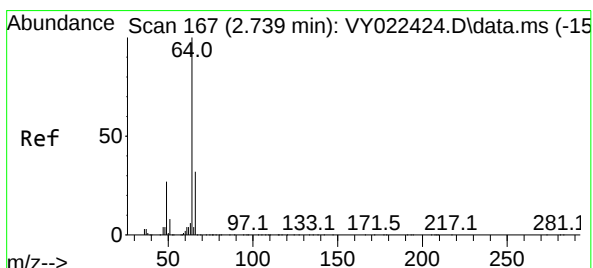
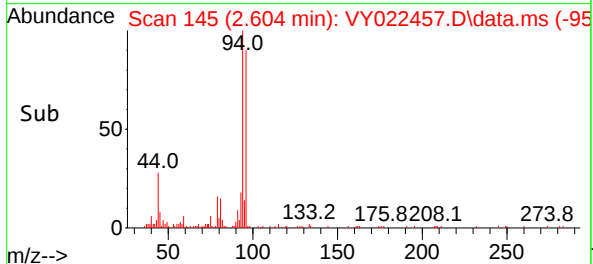
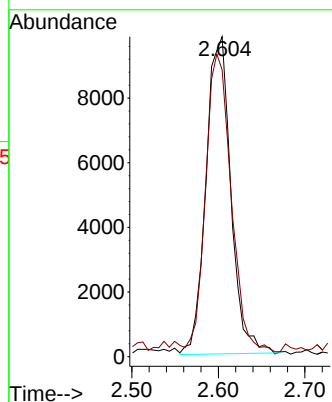
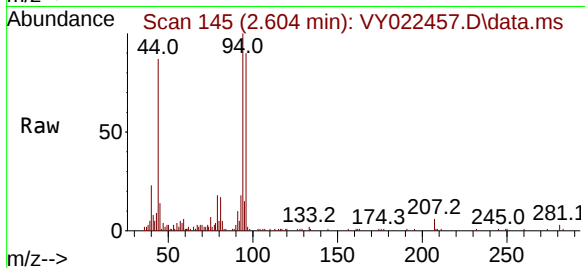




#5
Bromomethane
Concen: 3.816 ug/l
RT: 2.604 min Scan# 144
Delta R.T. 0.006 min
Lab File: VY022457.D
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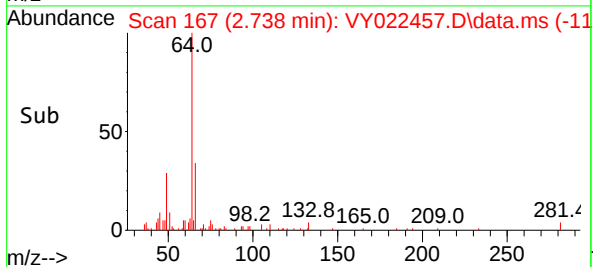
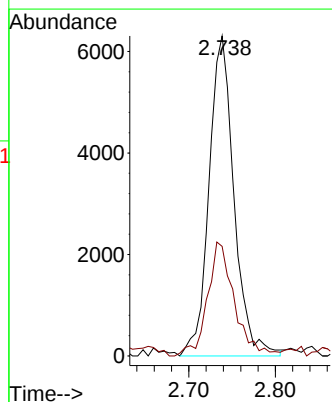
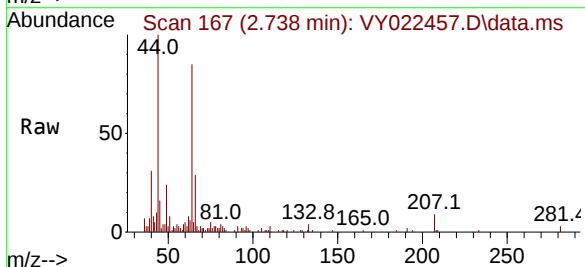
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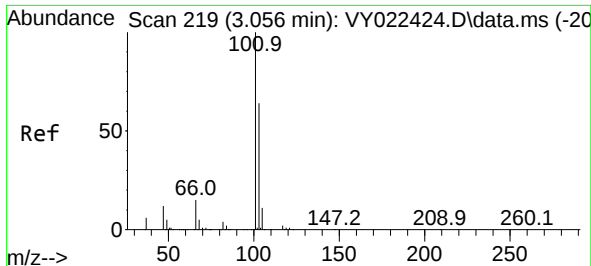
Tgt Ion: 94 Resp: 19604
Ion Ratio Lower Upper
94 100
96 89.1 76.0 114.0



#6
Chloroethane
Concen: 3.422 ug/l
RT: 2.738 min Scan# 167
Delta R.T. -0.000 min
Lab File: VY022457.D
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Tgt Ion: 64 Resp: 12641
Ion Ratio Lower Upper
64 100
66 33.3 25.9 38.9

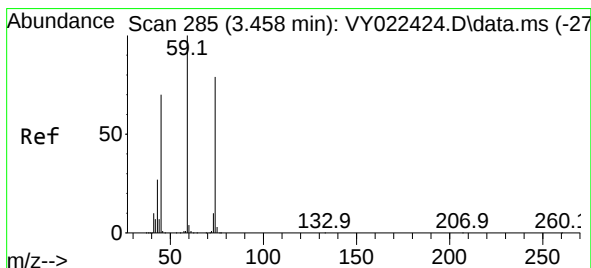
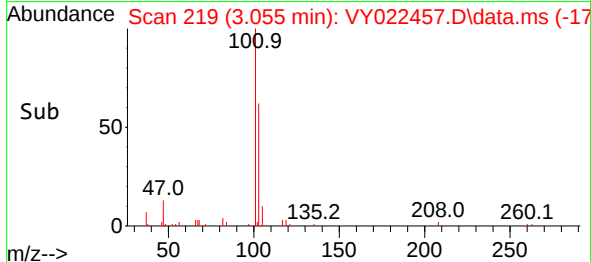
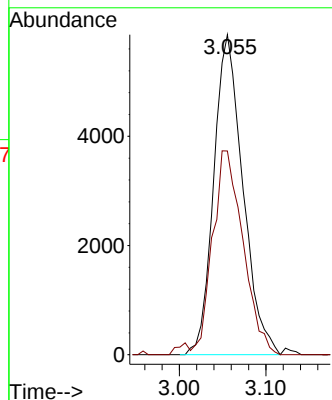
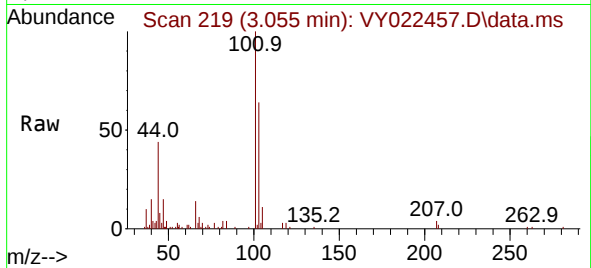




#7
 Trichlorofluoromethane
 Concen: 2.865 ug/l
 RT: 3.055 min Scan# 219
 Delta R.T. -0.000 min
 Lab File: VY022457.D
 Acq: 29 May 2025 10:53

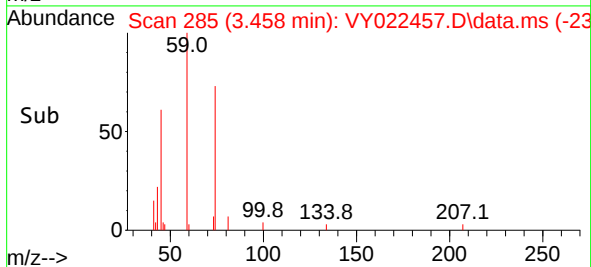
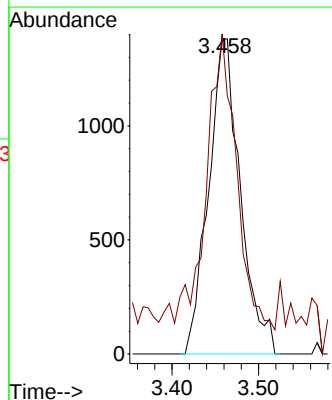
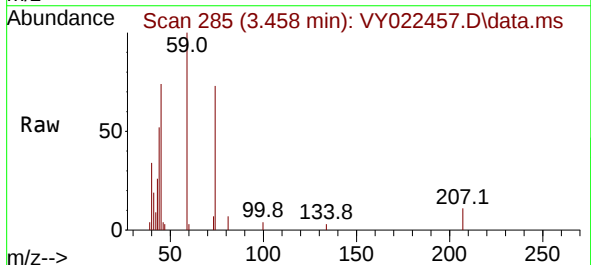
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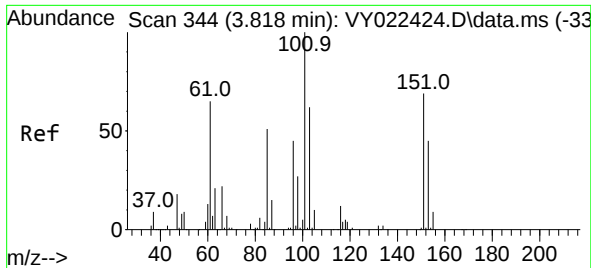
Tgt Ion:101 Resp: 13666
 Ion Ratio Lower Upper
 101 100
 103 63.6 50.9 76.3



#8
 Diethyl Ether
 Concen: 3.207 ug/l
 RT: 3.458 min Scan# 285
 Delta R.T. -0.000 min
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Tgt Ion: 74 Resp: 3527
 Ion Ratio Lower Upper
 74 100
 45 90.8 44.9 134.5

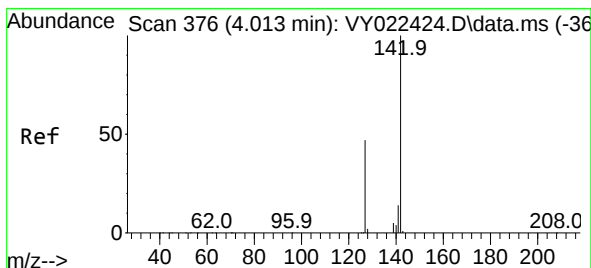
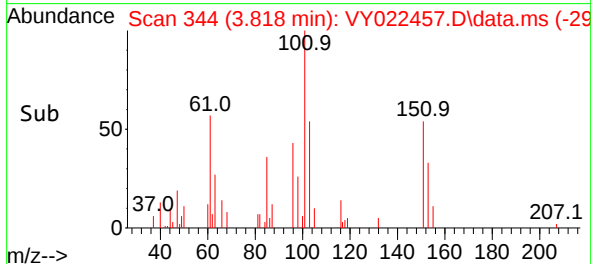
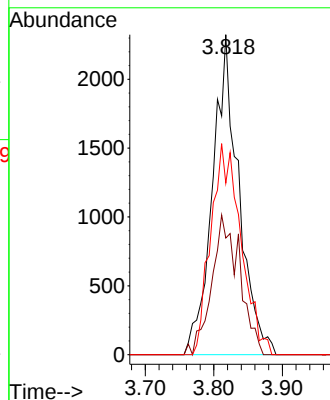
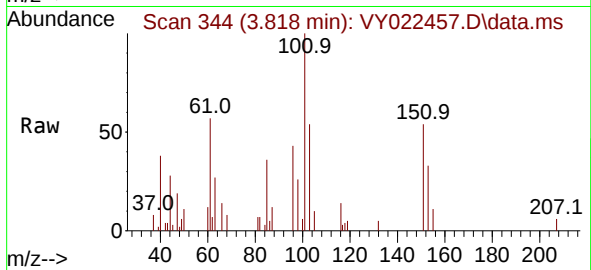




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.953 ug/l
RT: 3.818 min Scan# 344
Delta R.T. -0.000 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

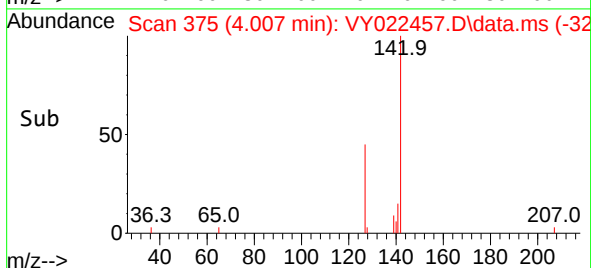
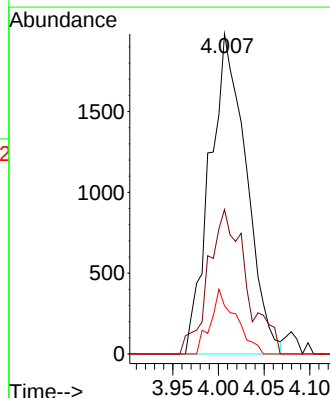
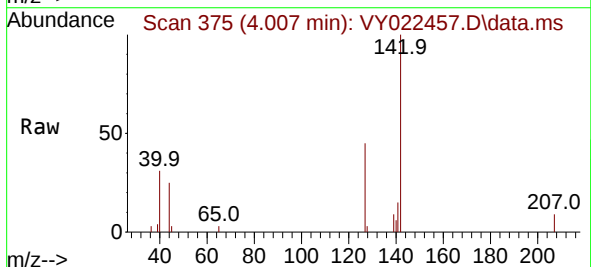
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

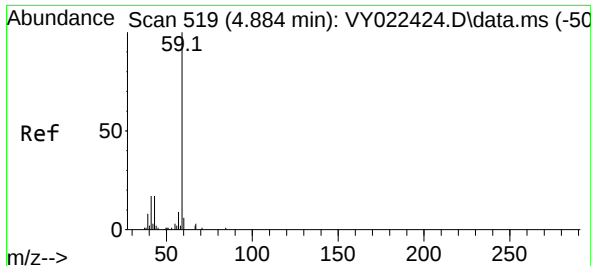
Tgt Ion:101 Resp: 6178
Ion Ratio Lower Upper
101 100
85 46.4 39.2 58.8
151 75.6 58.8 88.2



#10
Methyl Iodide
Concen: 2.326 ug/l
RT: 4.007 min Scan# 375
Delta R.T. -0.006 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

Tgt Ion:142 Resp: 5492
Ion Ratio Lower Upper
142 100
127 47.2 36.2 54.4
141 14.1 11.6 17.4





#11

Tert butyl alcohol

Concen: 10.543 ug/l

RT: 4.878 min Scan# 519

Delta R.T. -0.006 min

Lab File: VY022457.D

Acq: 29 May 2025 10:53

Instrument :

MSVOA_Y

ClientSampleId :

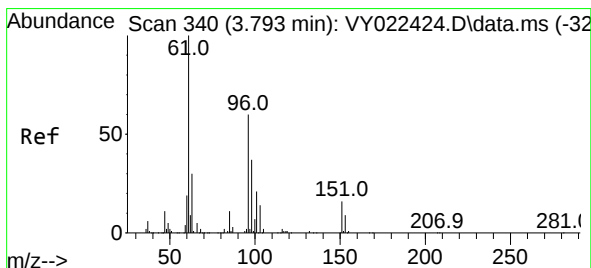
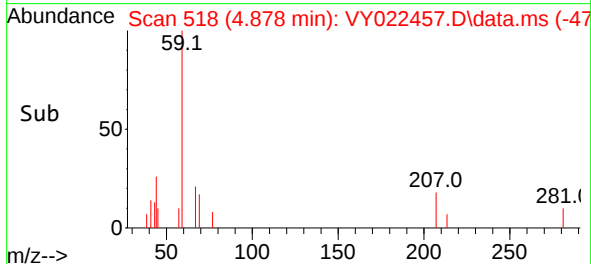
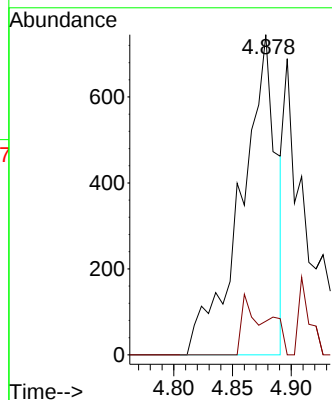
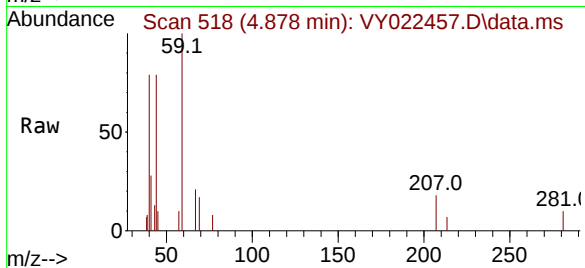
MDL-SOIL-03-QT2-2025

Tgt Ion: 59 Resp: 1552

Ion Ratio Lower Upper

59 100

57 7.0 9.1 13.7#



#12

1,1-Dichloroethene

Concen: 2.808 ug/l

RT: 3.793 min Scan# 340

Delta R.T. -0.000 min

Lab File: VY022457.D

Acq: 29 May 2025 10:53

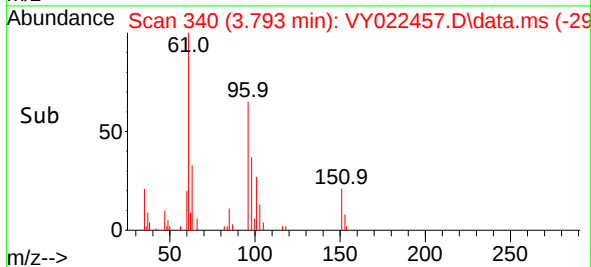
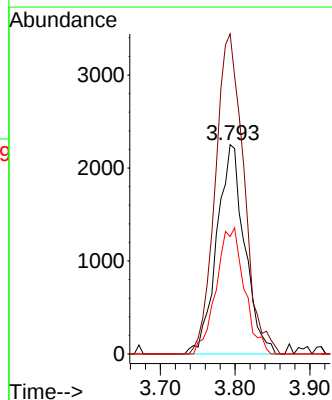
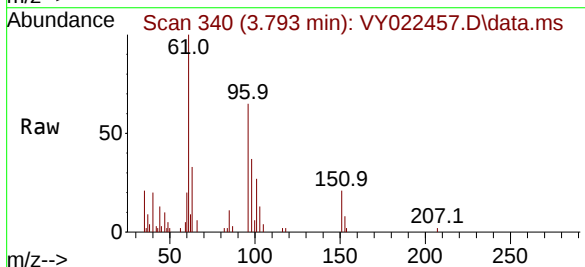
Tgt Ion: 96 Resp: 5834

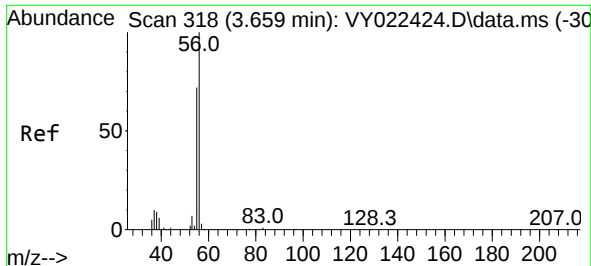
Ion Ratio Lower Upper

96 100

61 152.9 134.1 201.1

98 56.1 50.2 75.2

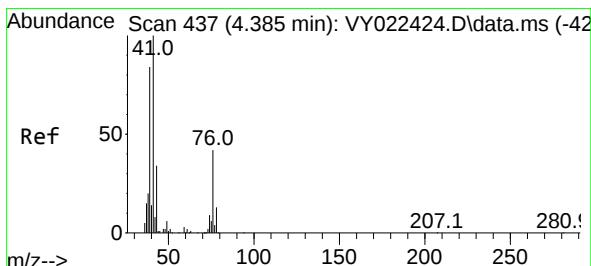
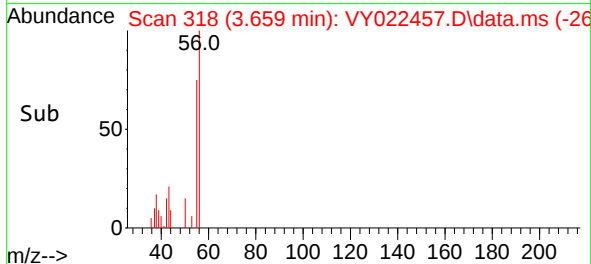
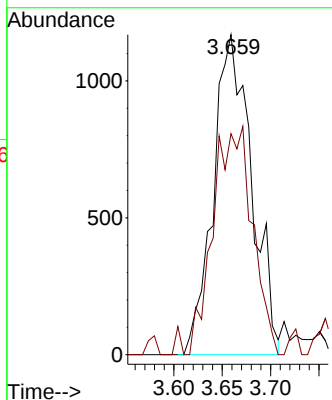
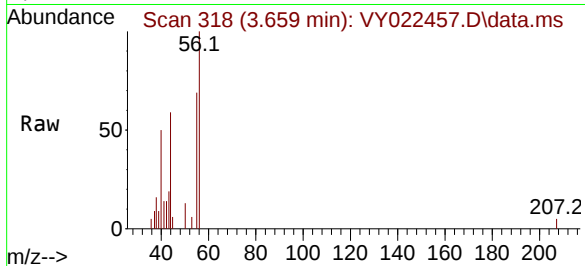




#13
Acrolein
Concen: 14.571 ug/l
RT: 3.659 min Scan# 318
Delta R.T. -0.000 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

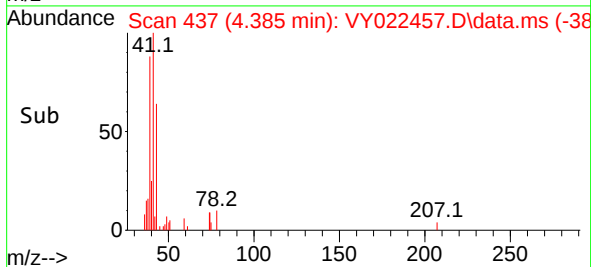
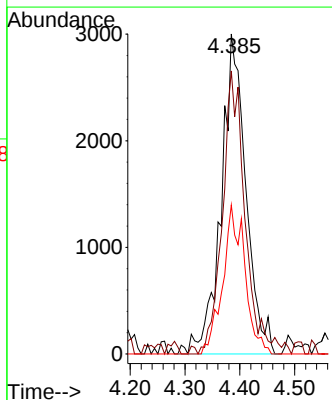
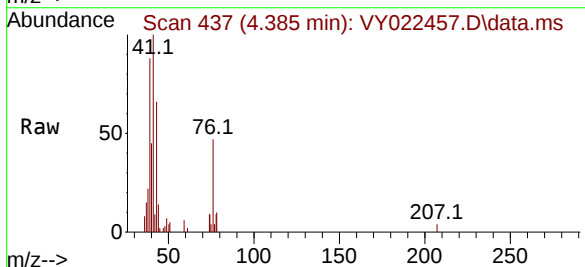
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

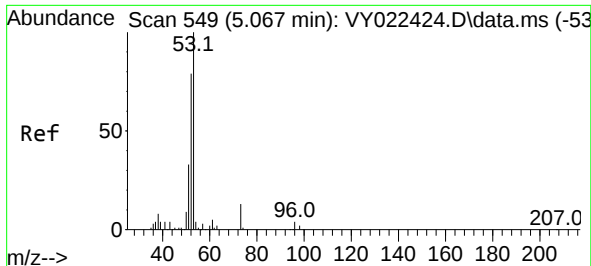
Tgt Ion: 56 Resp: 3214
Ion Ratio Lower Upper
56 100
55 73.4 56.5 84.7



#14
Allyl chloride
Concen: 3.014 ug/l
RT: 4.385 min Scan# 437
Delta R.T. -0.000 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

Tgt Ion: 41 Resp: 9419
Ion Ratio Lower Upper
41 100
39 79.2 66.6 100.0
76 41.6 33.7 50.5

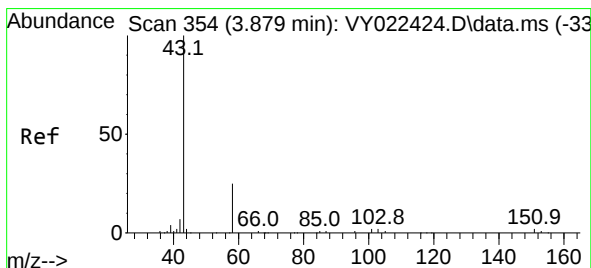
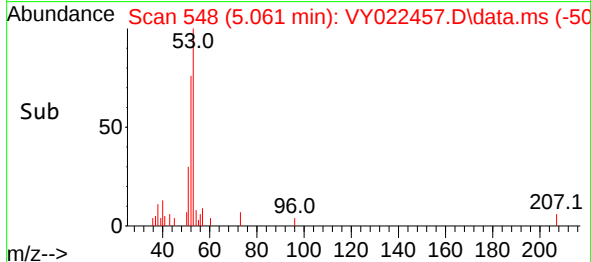
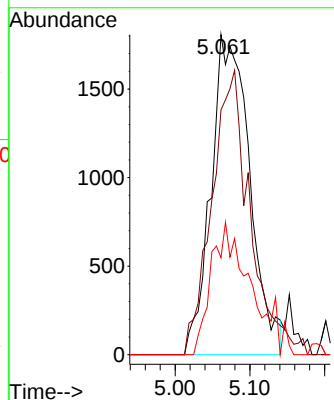
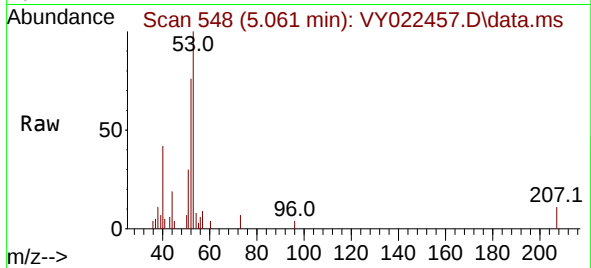




#15
Acrylonitrile
Concen: 14.634 ug/l
RT: 5.061 min Scan# 549
Delta R.T. -0.006 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

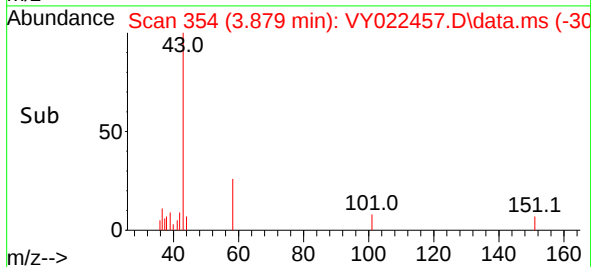
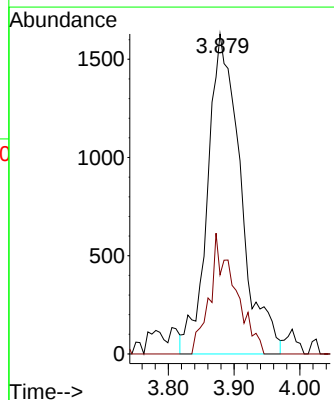
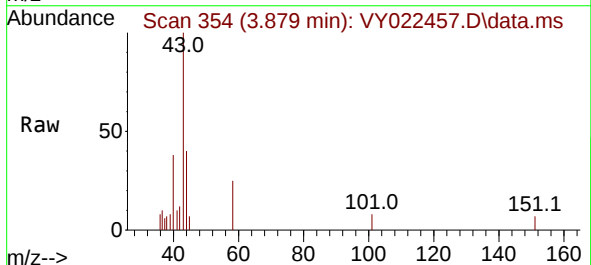
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

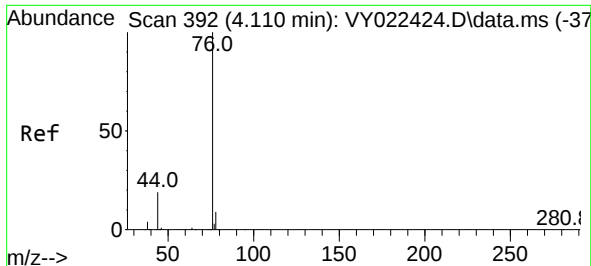
Tgt Ion: 53 Resp: 6487
Ion Ratio Lower Upper
53 100
52 88.2 65.1 97.7
51 36.8 30.0 45.0



#16
Acetone
Concen: 16.618 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

Tgt Ion: 43 Resp: 5703
Ion Ratio Lower Upper
43 100
58 25.8 20.6 30.8

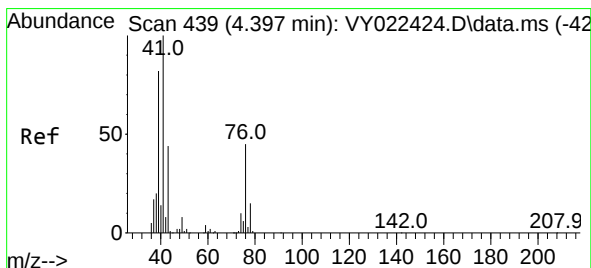
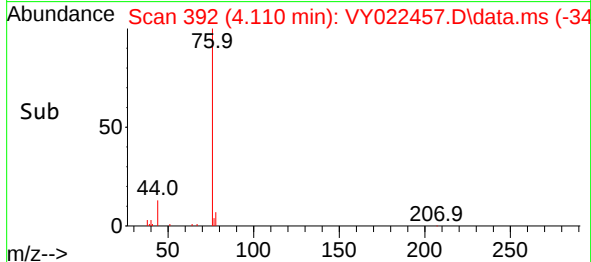
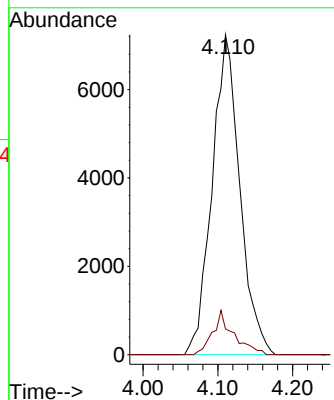
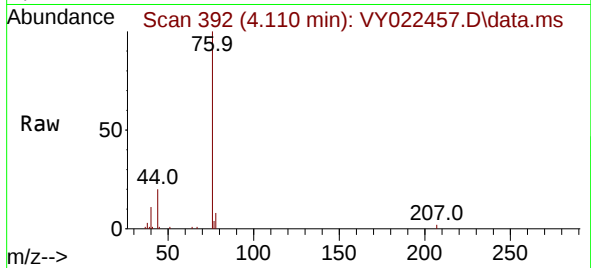




#17
Carbon Disulfide
Concen: 2.821 ug/l
RT: 4.110 min Scan# 392
Delta R.T. -0.000 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

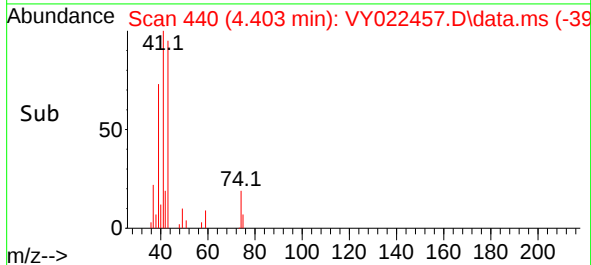
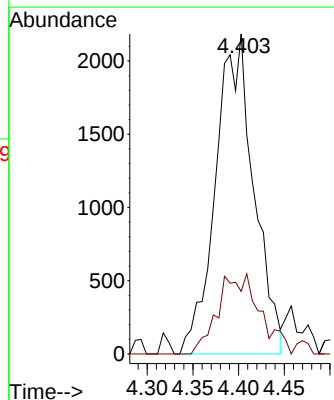
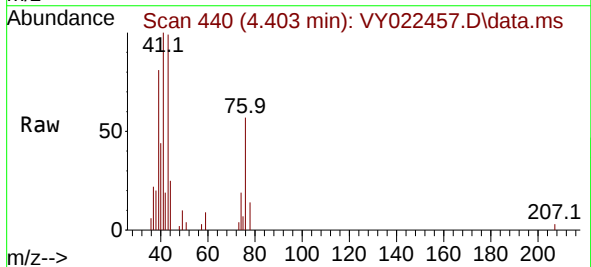
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

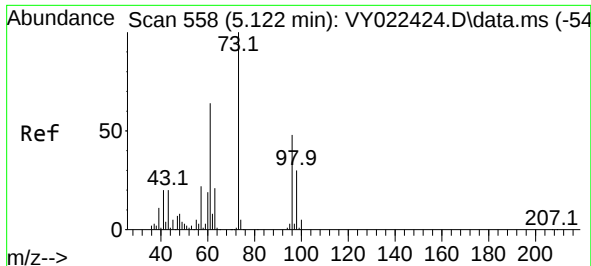
Tgt Ion: 76 Resp: 18702
Ion Ratio Lower Upper
76 100
78 8.0 7.2 10.8



#18
Methyl Acetate
Concen: 4.937 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.006 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

Tgt Ion: 43 Resp: 6347
Ion Ratio Lower Upper
43 100
74 27.4 21.2 31.8





#19

Methyl tert-butyl Ether

Concen: 2.976 ug/l

RT: 5.116 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY022457.D

Acq: 29 May 2025 10:53

Instrument :

MSVOA_Y

ClientSampleId :

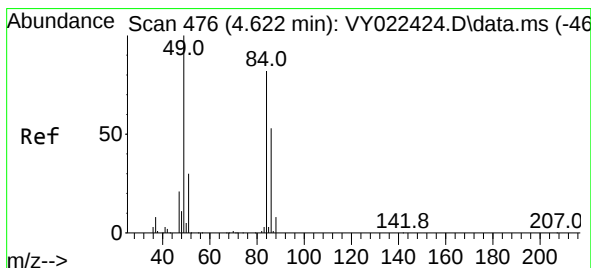
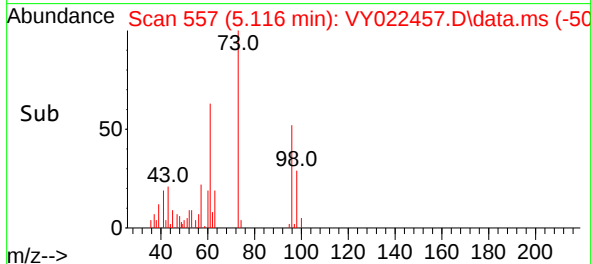
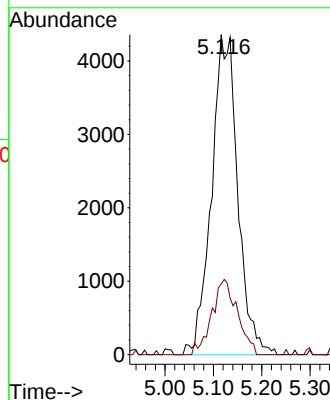
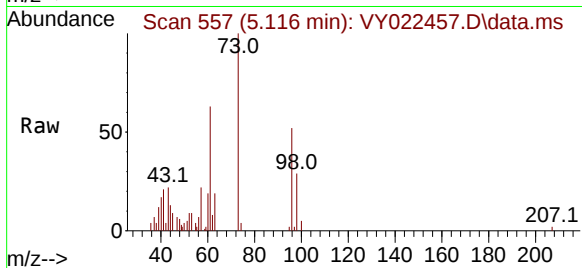
MDL-SOIL-03-QT2-2025

Tgt Ion: 73 Resp: 16414

Ion Ratio Lower Upper

73 100

57 22.0 17.7 26.5



#20

Methylene Chloride

Concen: 3.688 ug/l

RT: 4.622 min Scan# 476

Delta R.T. -0.000 min

Lab File: VY022457.D

Acq: 29 May 2025 10:53

Tgt Ion: 84 Resp: 8938

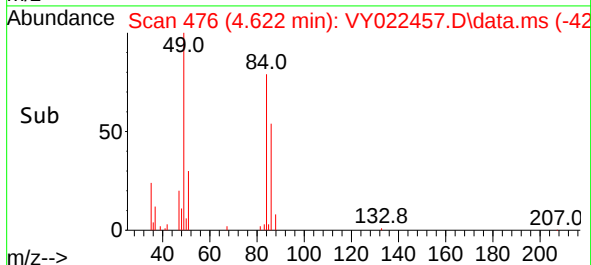
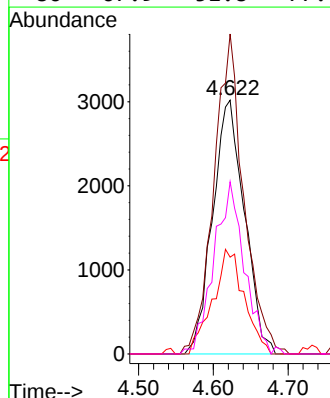
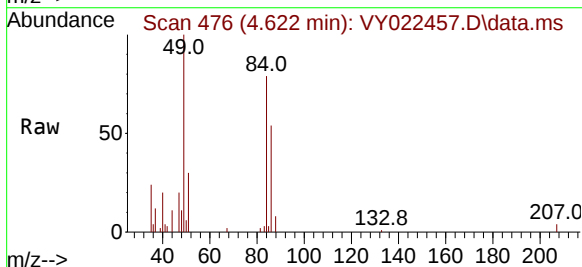
Ion Ratio Lower Upper

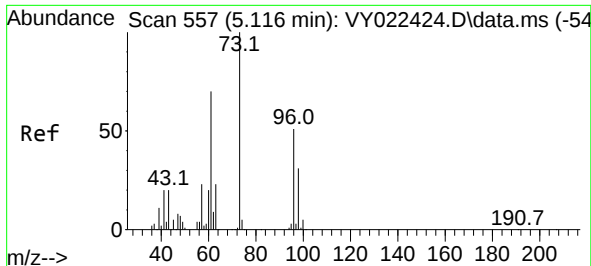
84 100

49 126.1 97.8 146.8

51 38.2 29.5 44.3

86 67.9 51.8 77.6

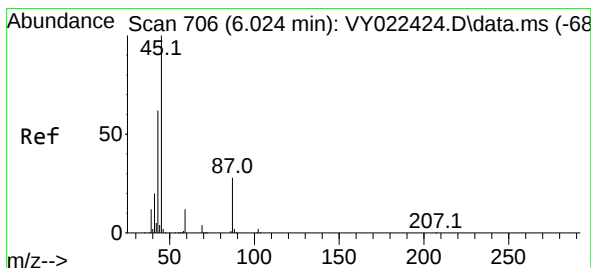
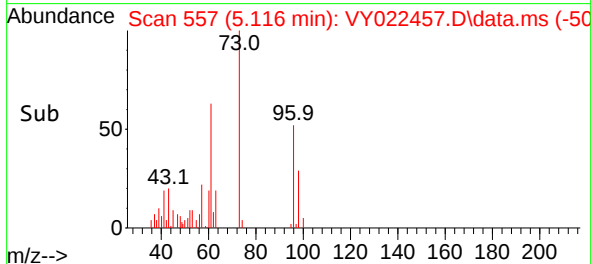
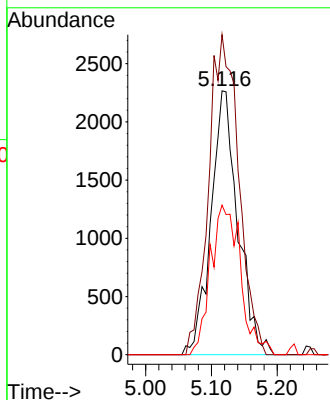
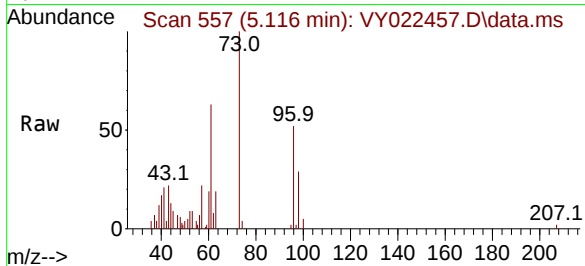




#21
trans-1,2-Dichloroethene
Concen: 2.856 ug/l
RT: 5.116 min Scan# 511
Delta R.T. -0.000 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

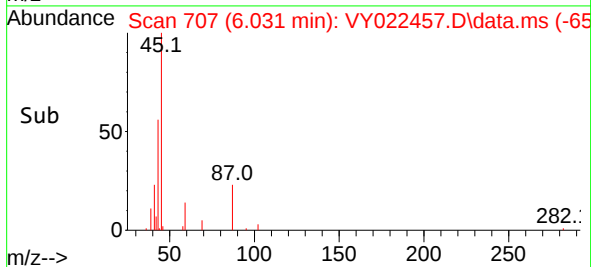
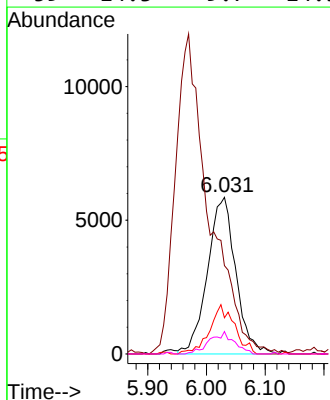
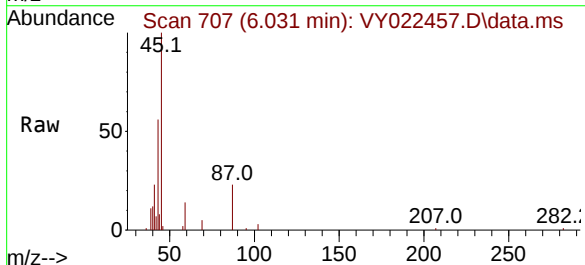
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

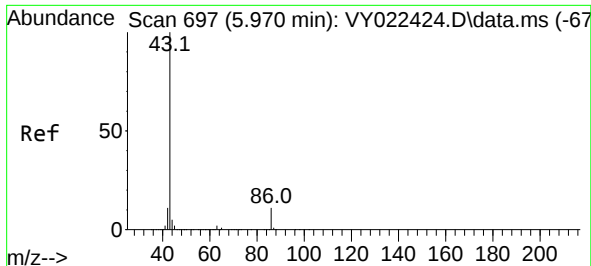
Tgt Ion: 96 Resp: 6477
Ion Ratio Lower Upper
96 100
61 121.3 110.4 165.6
98 56.6 48.6 73.0



#22
Diisopropyl ether
Concen: 2.837 ug/l
RT: 6.031 min Scan# 707
Delta R.T. 0.006 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

Tgt Ion: 45 Resp: 19565
Ion Ratio Lower Upper
45 100
43 55.3 49.8 74.8
87 23.0 23.0 34.6
59 14.3 9.7 14.5

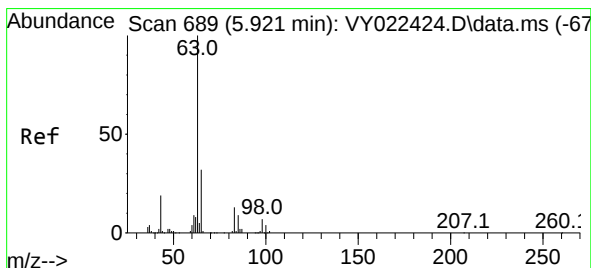
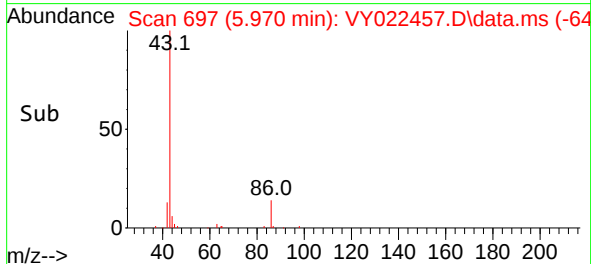
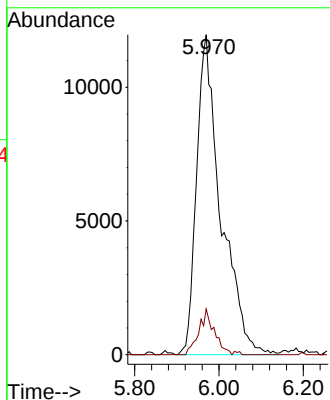
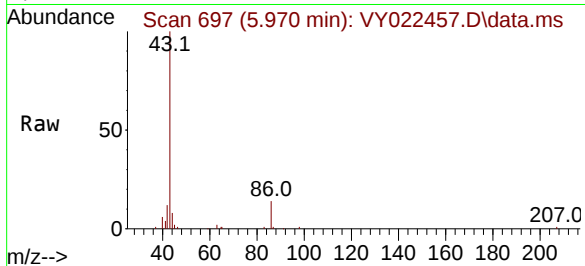




#23
 Vinyl Acetate
 Concen: 12.074 ug/l
 RT: 5.970 min Scan# 697
 Delta R.T. -0.000 min
 Lab File: VY022457.D
 Acq: 29 May 2025 10:53

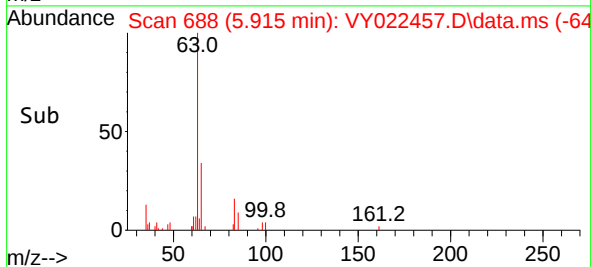
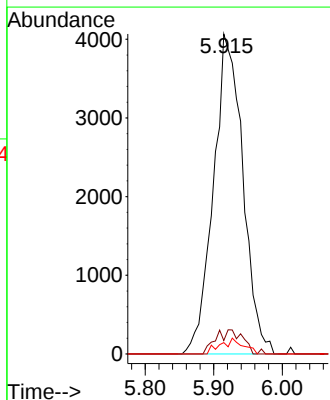
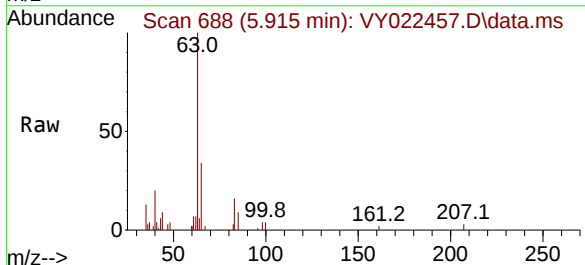
Instrument : MSVOA_Y
 ClientSampleId : MDL-SOIL-03-QT2-2025

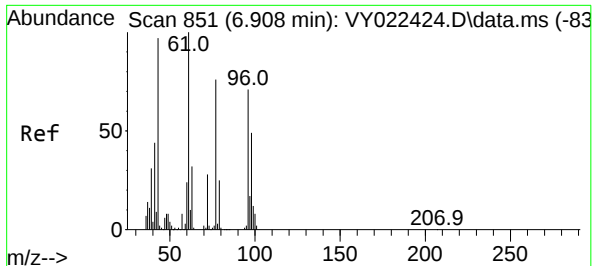
Tgt Ion: 43 Resp: 47813
 Ion Ratio Lower Upper
 43 100
 86 14.3 8.8 13.2#



#24
 1,1-Dichloroethane
 Concen: 2.971 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. -0.006 min
 Lab File: VY022457.D
 Acq: 29 May 2025 10:53

Tgt Ion: 63 Resp: 12108
 Ion Ratio Lower Upper
 63 100
 98 4.2 3.5 10.5
 100 3.5 2.1 6.5





#25

2-Butanone

Concen: 14.385 ug/l

RT: 6.908 min Scan# 851

Delta R.T. -0.000 min

Lab File: VY022457.D

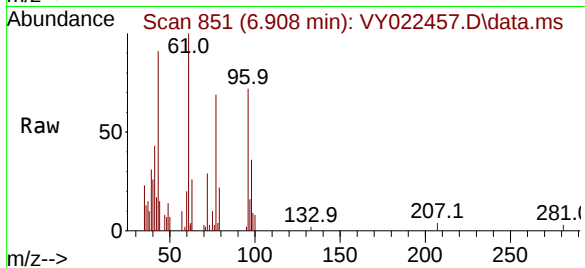
Acq: 29 May 2025 10:53

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

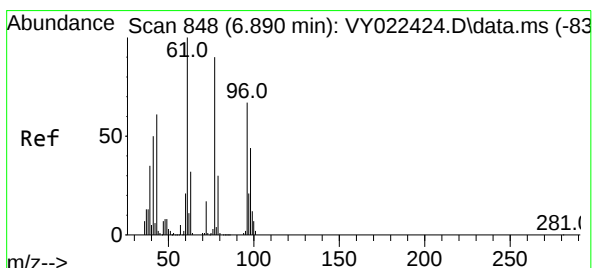
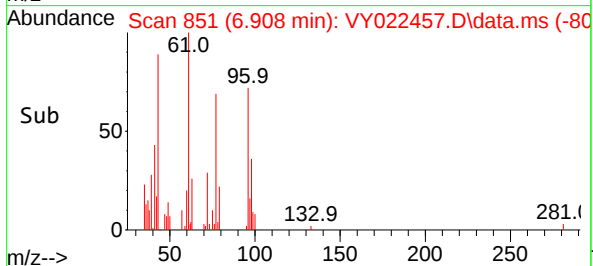
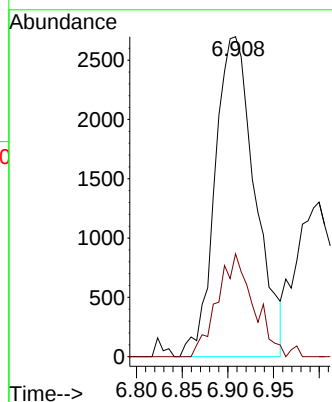


Tgt Ion: 43 Resp: 8222

Ion Ratio Lower Upper

43 100

72 32.1 22.8 34.2



#26

2,2-Dichloropropane

Concen: 2.697 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.000 min

Lab File: VY022457.D

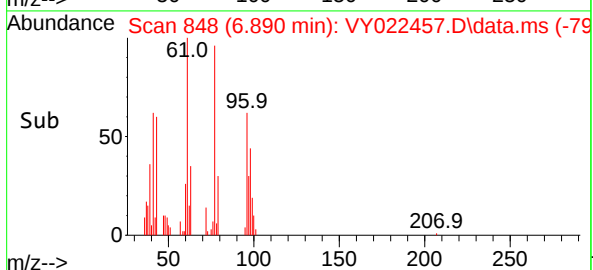
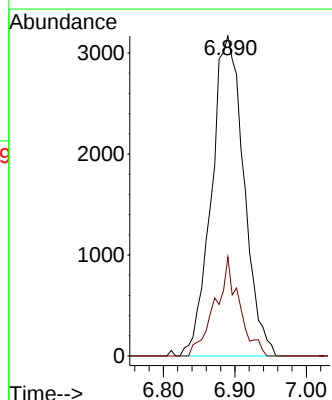
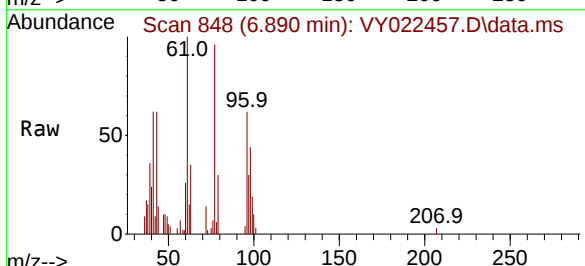
Acq: 29 May 2025 10:53

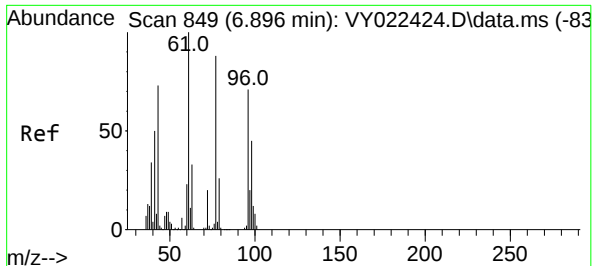
Tgt Ion: 77 Resp: 9953

Ion Ratio Lower Upper

77 100

97 23.3 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 2.794 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.000 min

Lab File: VY022457.D

Acq: 29 May 2025 10:53

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

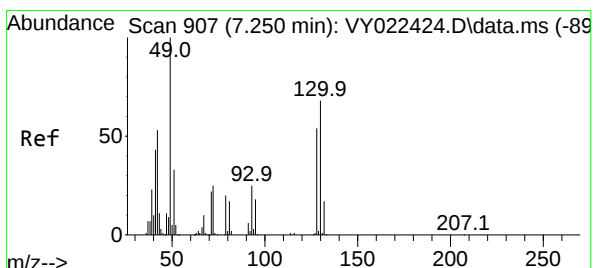
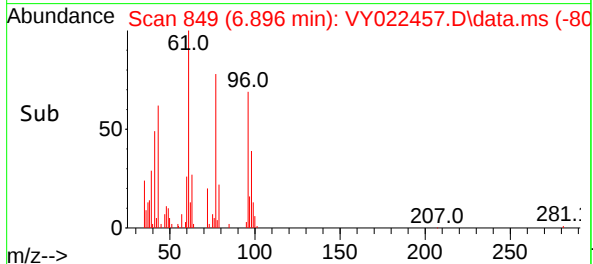
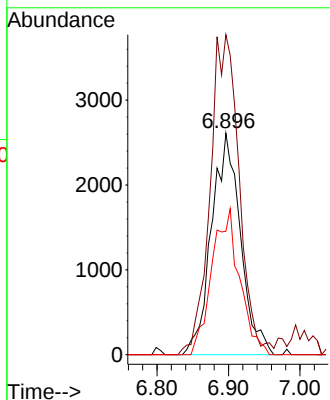
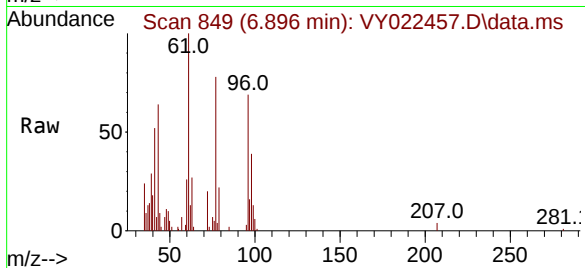
Tgt Ion: 96 Resp: 7337

Ion Ratio Lower Upper

96 100

61 144.0 0.0 292.0

98 63.3 0.0 131.0



#28

Bromochloromethane

Concen: 2.863 ug/l

RT: 7.250 min Scan# 907

Delta R.T. -0.000 min

Lab File: VY022457.D

Acq: 29 May 2025 10:53

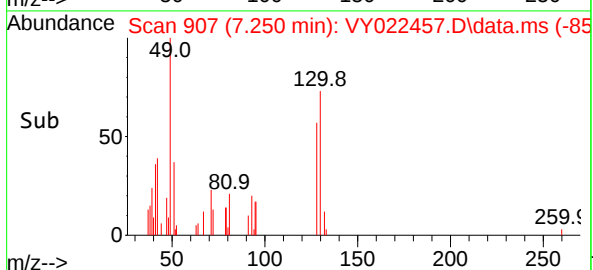
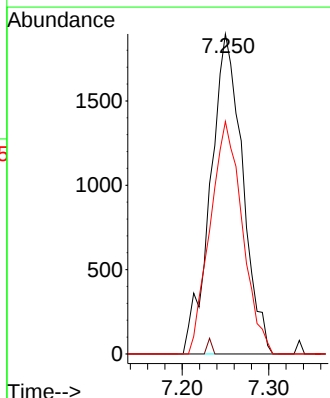
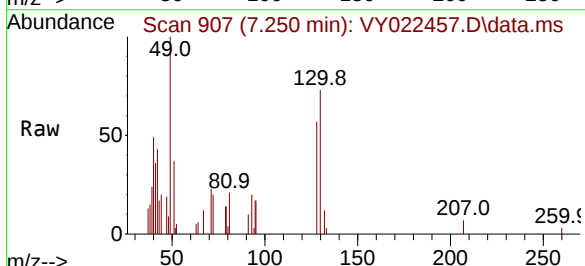
Tgt Ion: 49 Resp: 4873

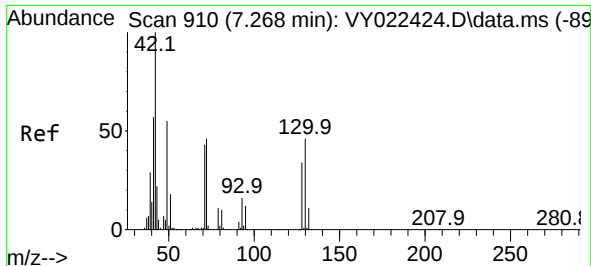
Ion Ratio Lower Upper

49 100

129 0.7 0.0 4.0

130 73.0 56.9 85.3





#29

Tetrahydrofuran

Concen: 14.835 ug/l

RT: 7.274 min Scan# 911

Delta R.T. 0.006 min

Lab File: VY022457.D

Acq: 29 May 2025 10:53

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

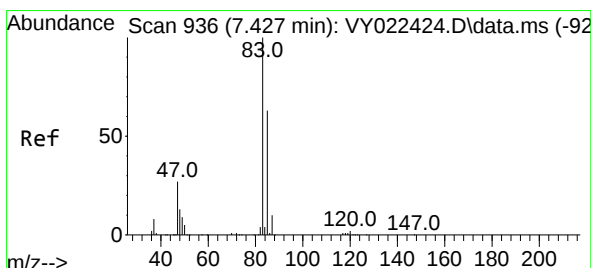
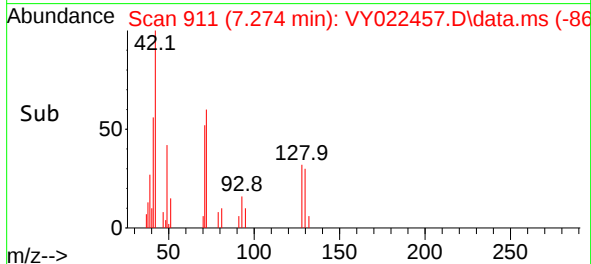
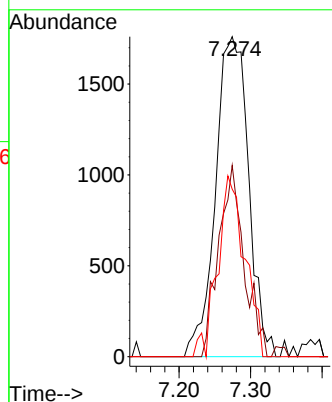
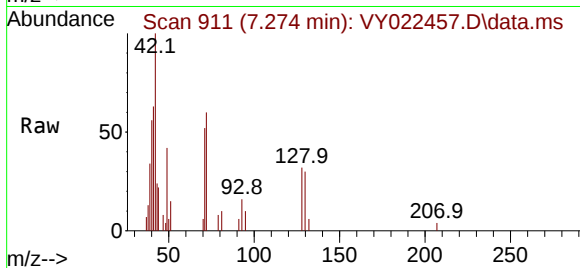
Tgt Ion: 42 Resp: 5655

Ion Ratio Lower Upper

42 100

72 46.1 37.7 56.5

71 46.7 34.7 52.1



#30

Chloroform

Concen: 3.053 ug/l

RT: 7.427 min Scan# 936

Delta R.T. -0.000 min

Lab File: VY022457.D

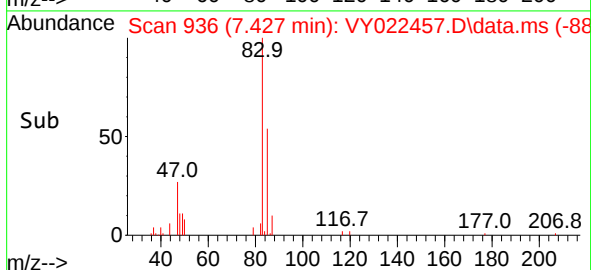
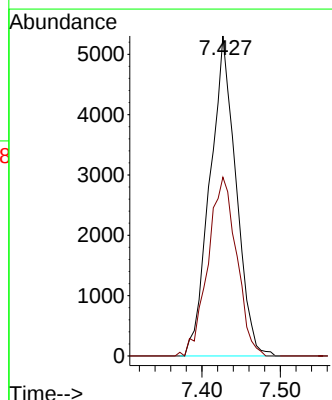
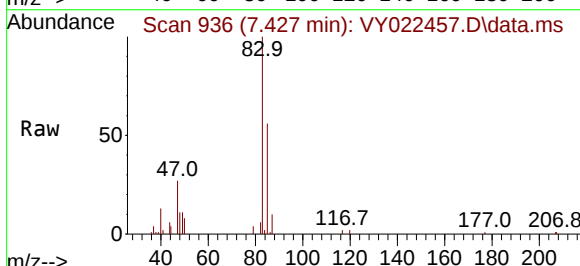
Acq: 29 May 2025 10:53

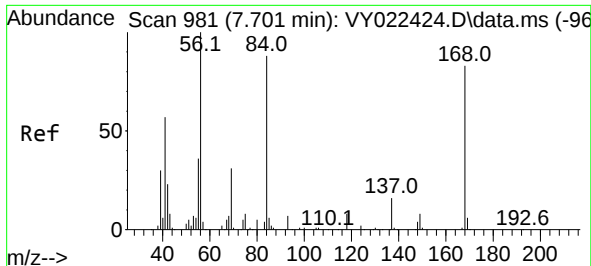
Tgt Ion: 83 Resp: 12260

Ion Ratio Lower Upper

83 100

85 55.8 50.1 75.1

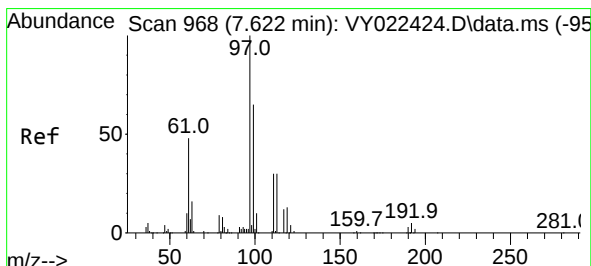
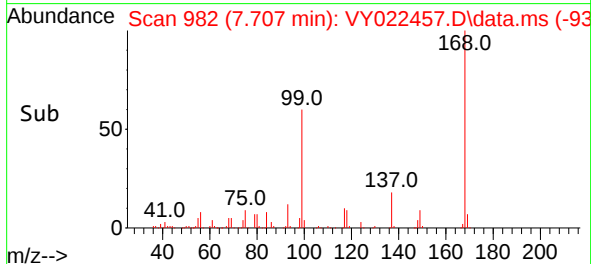
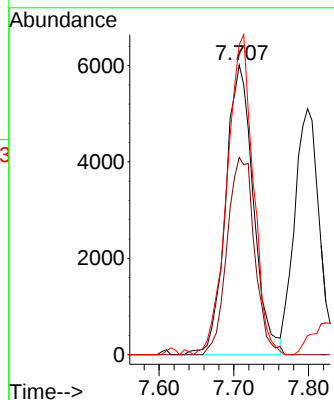
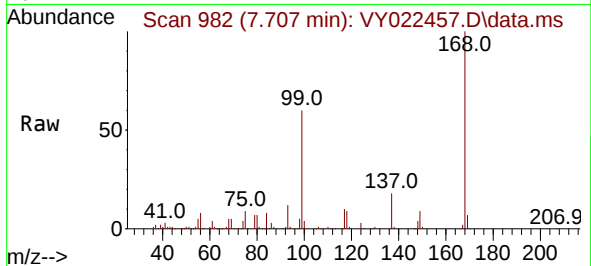




#31
Cyclohexane
Concen: 3.857 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

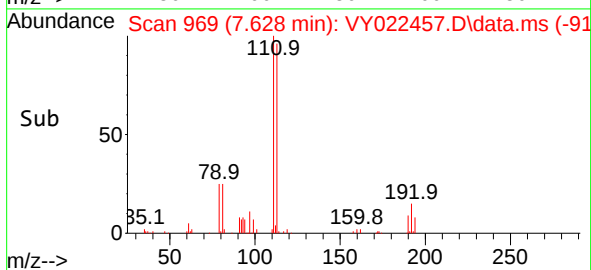
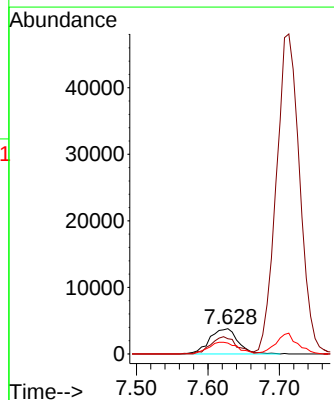
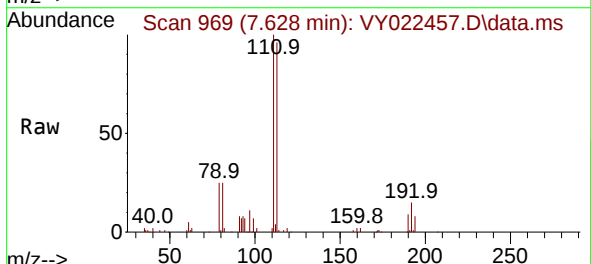
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

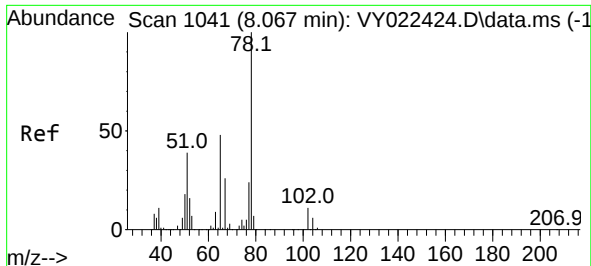
Tgt Ion: 56 Resp: 15496
Ion Ratio Lower Upper
56 100
69 68.1 24.6 36.8#
84 107.0 70.4 105.6#



#32
1,1,1-Trichloroethane
Concen: 2.868 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

Tgt Ion: 97 Resp: 10454
Ion Ratio Lower Upper
97 100
99 62.0 51.3 76.9
61 47.0 37.3 55.9





#33

1,2-Dichloroethane-d4

Concen: 54.302 ug/l

RT: 8.067 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY022457.D

Acq: 29 May 2025 10:53

Instrument :

MSVOA_Y

ClientSampleId :

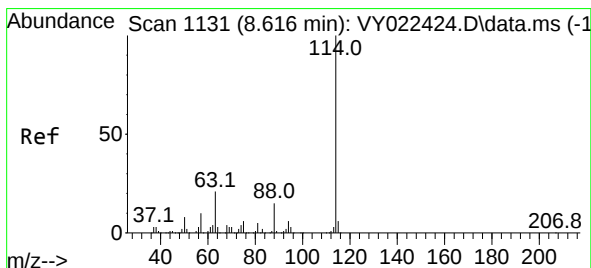
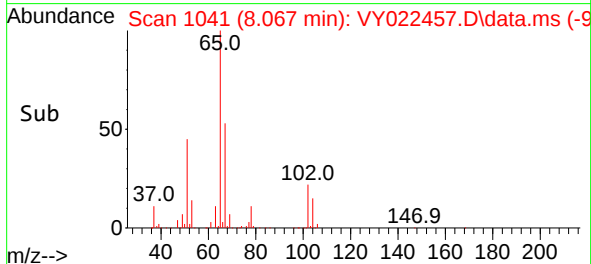
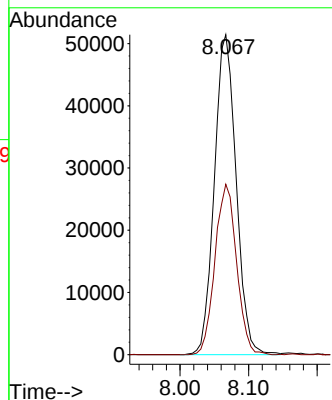
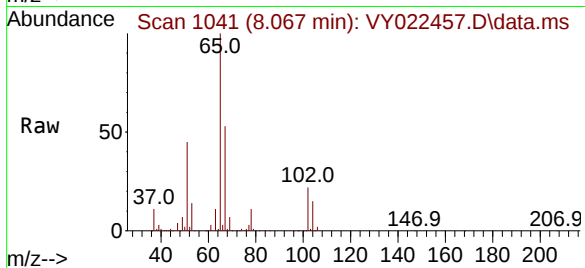
MDL-SOIL-03-QT2-2025

Tgt Ion: 65 Resp: 113410

Ion Ratio Lower Upper

65 100

67 52.8 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022457.D

Acq: 29 May 2025 10:53

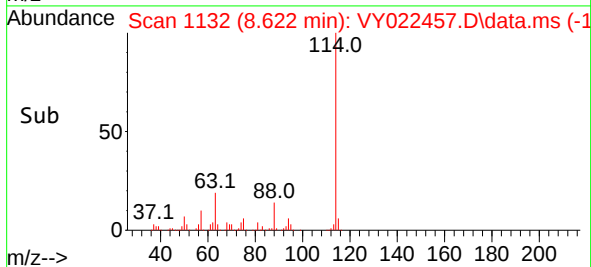
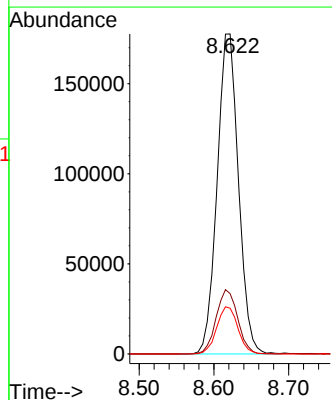
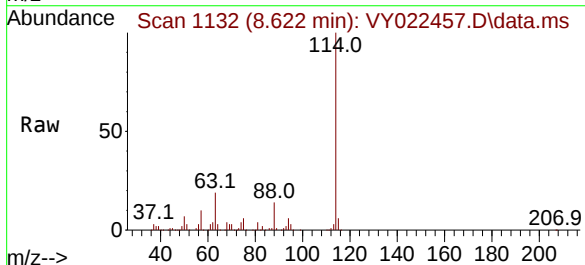
Tgt Ion: 114 Resp: 352354

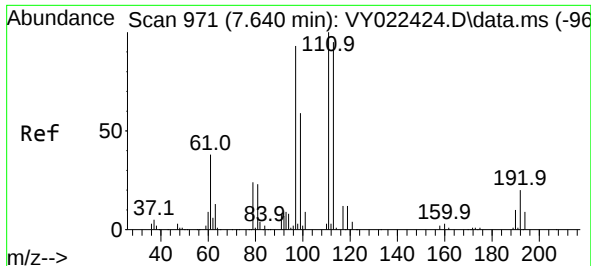
Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.6

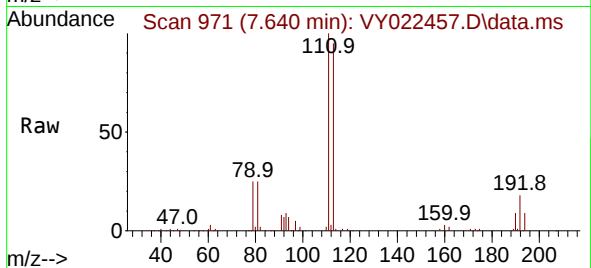
88 14.3 0.0 29.4



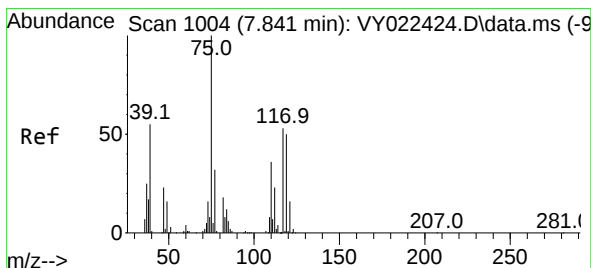
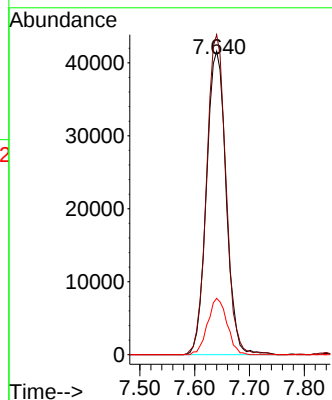
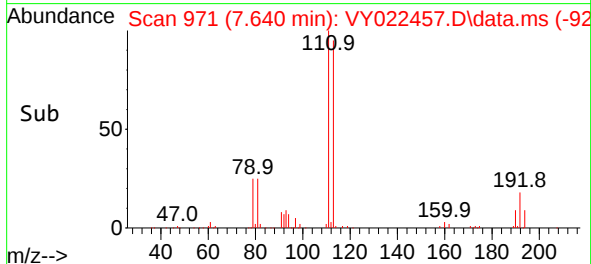


#35
Dibromofluoromethane
Concen: 49.922 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

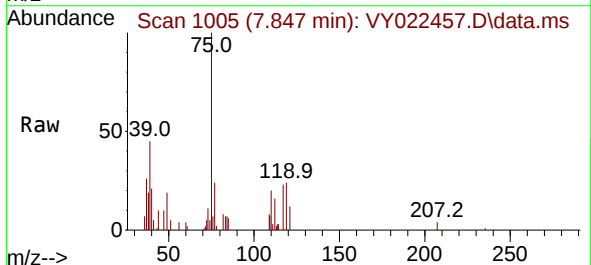
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025



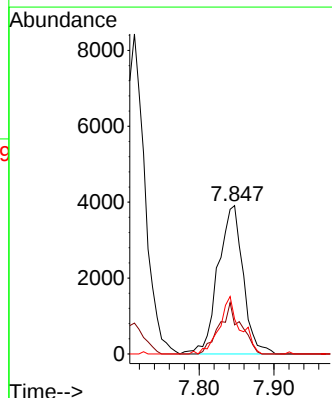
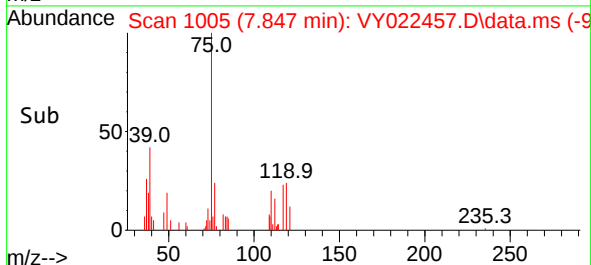
Tgt Ion:113 Resp: 103013
Ion Ratio Lower Upper
113 100
111 103.9 82.4 123.6
192 18.4 15.2 22.8

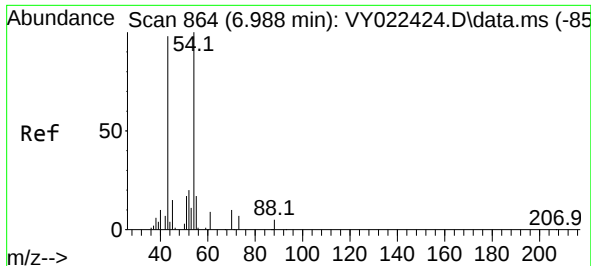


#36
1,1-Dichloropropene
Concen: 2.783 ug/l
RT: 7.847 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53



Tgt Ion: 75 Resp: 9114
Ion Ratio Lower Upper
75 100
110 29.8 17.1 51.2
77 32.1 25.1 37.7





#37

Ethyl Acetate

Concen: 3.006 ug/l

RT: 7.000 min Scan# 8

Delta R.T. 0.012 min

Lab File: VY022457.D

Acq: 29 May 2025 10:53

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

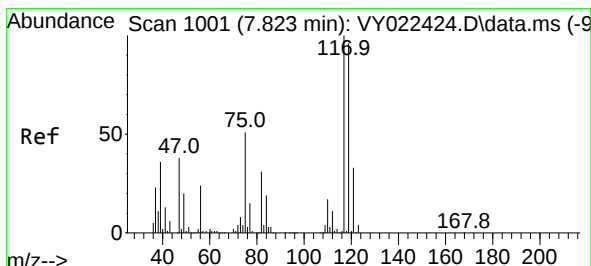
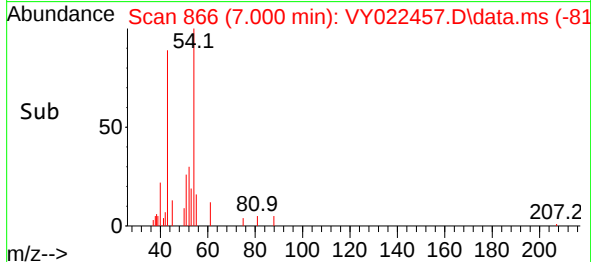
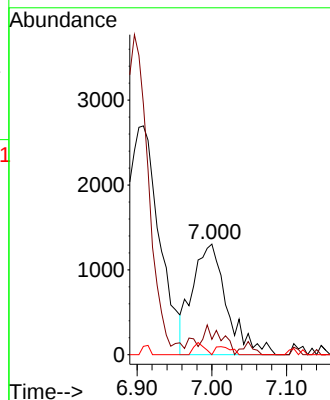
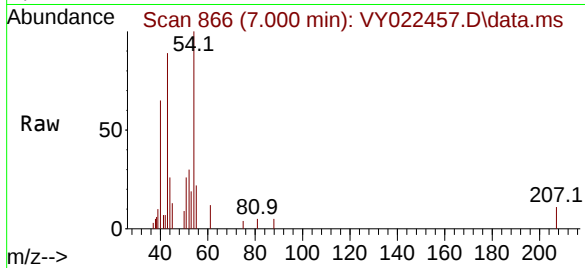
Tgt Ion: 43 Resp: 4183

Ion Ratio Lower Upper

43 100

61 13.6 11.7 17.5

70 3.3 7.8 11.6#



#38

Carbon Tetrachloride

Concen: 2.497 ug/l

RT: 7.823 min Scan# 1001

Delta R.T. -0.000 min

Lab File: VY022457.D

Acq: 29 May 2025 10:53

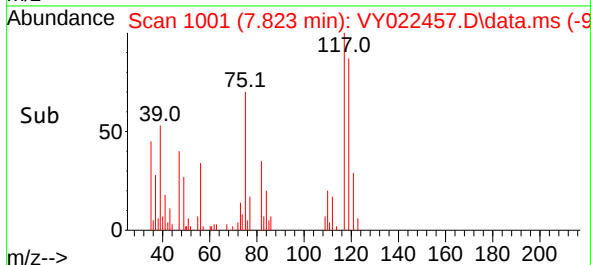
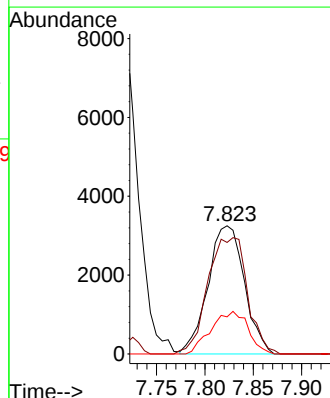
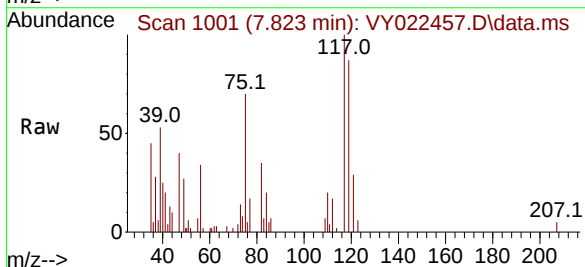
Tgt Ion: 117 Resp: 8517

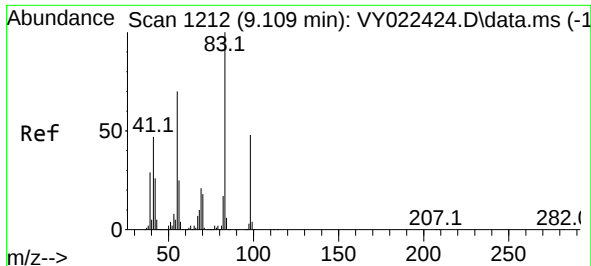
Ion Ratio Lower Upper

117 100

119 86.9 76.3 114.5

121 28.9 26.1 39.1





#39

Methylcyclohexane

Concen: 2.370 ug/l

RT: 9.115 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY022457.D

Acq: 29 May 2025 10:53

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

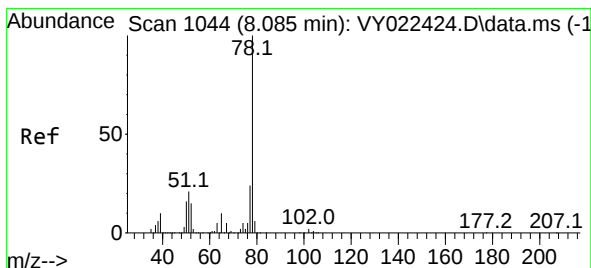
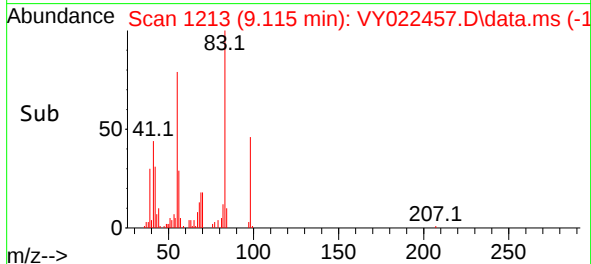
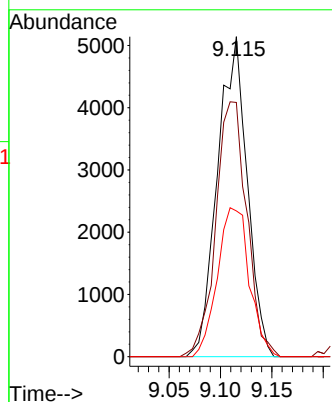
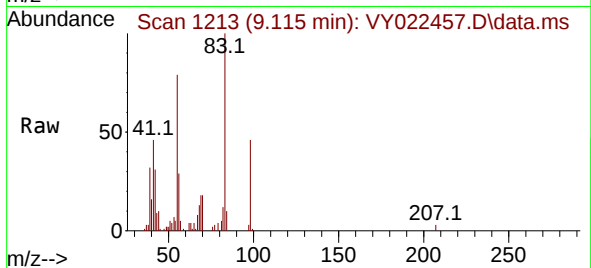
Tgt Ion: 83 Resp: 10314

Ion Ratio Lower Upper

83 100

55 79.5 56.2 84.2

98 45.6 38.4 57.6



#40

Benzene

Concen: 2.642 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. -0.000 min

Lab File: VY022457.D

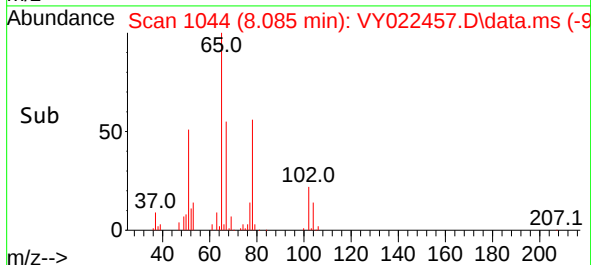
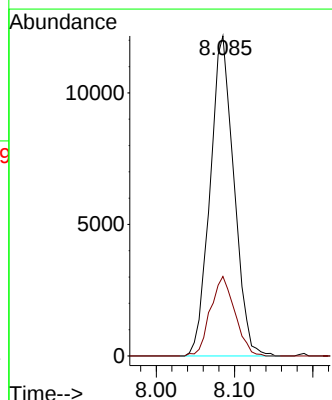
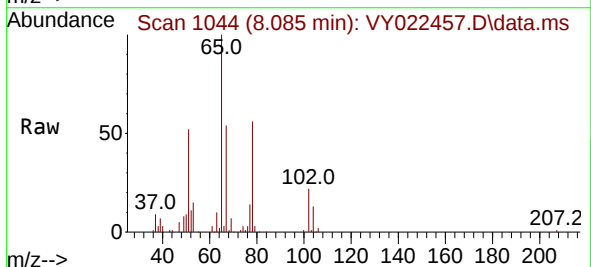
Acq: 29 May 2025 10:53

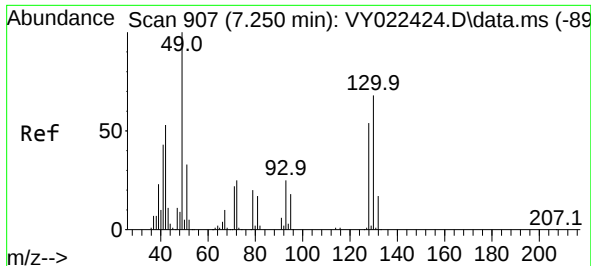
Tgt Ion: 78 Resp: 25739

Ion Ratio Lower Upper

78 100

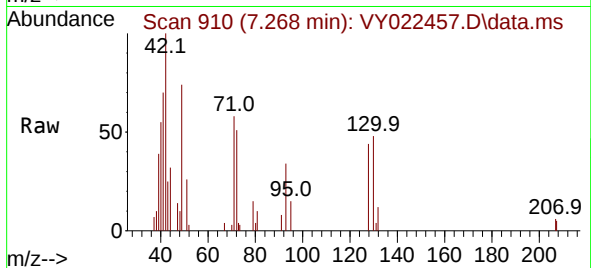
77 24.9 19.4 29.2



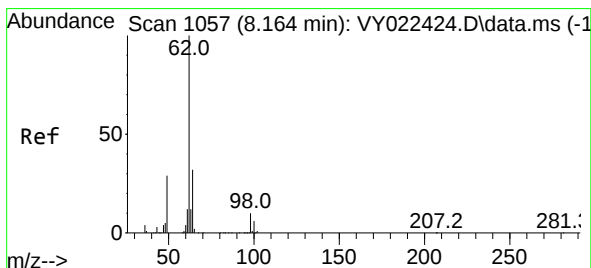
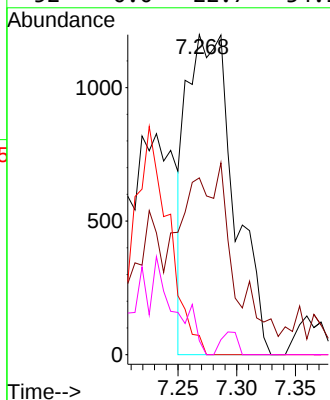
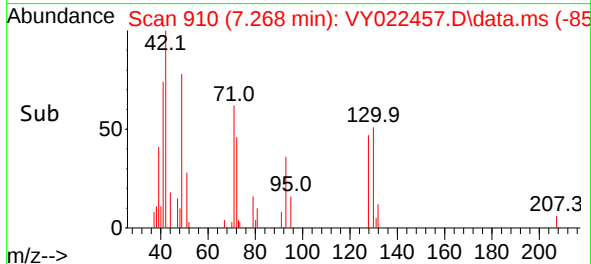


#41
Methacrylonitrile
Concen: 3.983 ug/l
RT: 7.268 min Scan# 910
Delta R.T. 0.018 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

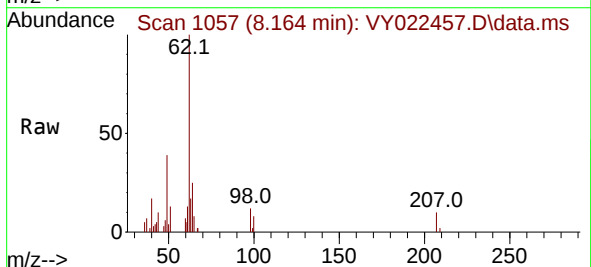
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025



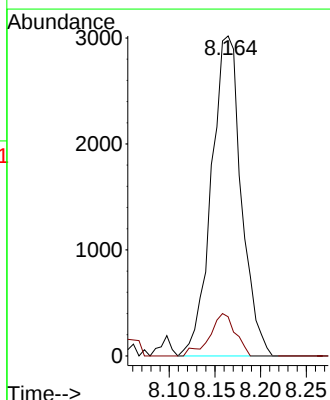
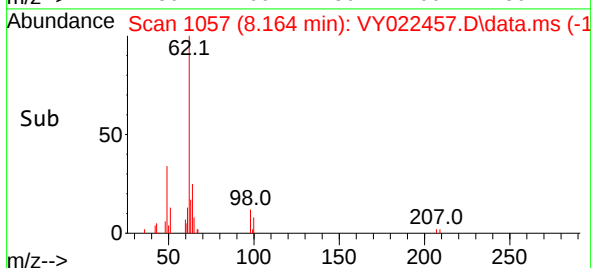
Tgt Ion: 41 Resp: 3364
Ion Ratio Lower Upper
41 100
39 0.0 40.4 60.6#
67 0.0 53.0 79.4#
52 0.0 22.7 34.1#

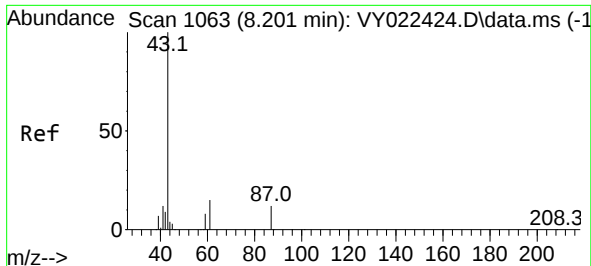


#42
1,2-Dichloroethane
Concen: 2.671 ug/l
RT: 8.164 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53



Tgt Ion: 62 Resp: 6872
Ion Ratio Lower Upper
62 100
98 11.4 0.0 18.4

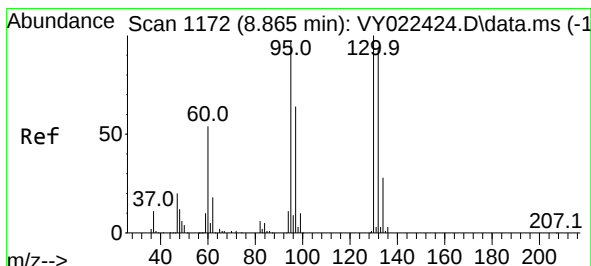
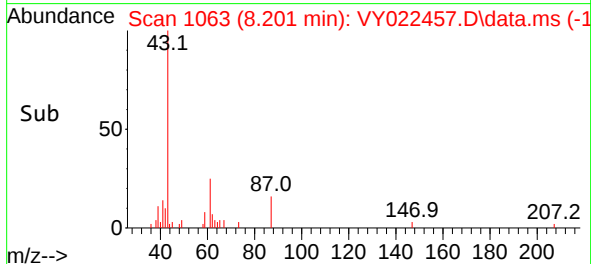
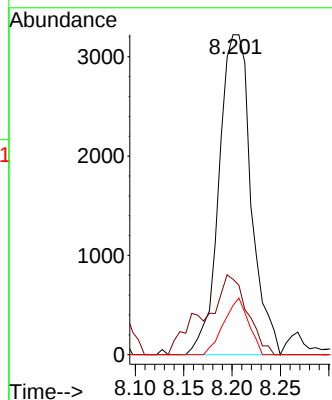
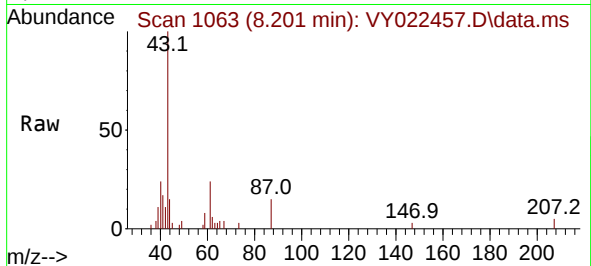




#43
Isopropyl Acetate
Concen: 2.443 ug/l
RT: 8.201 min Scan# 1106
Delta R.T. -0.000 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

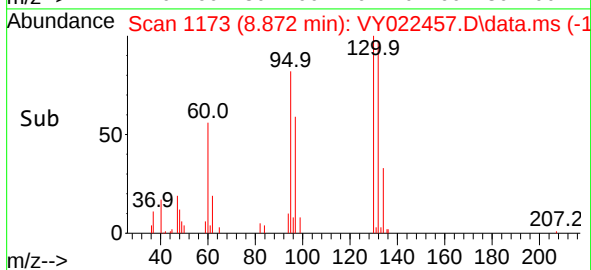
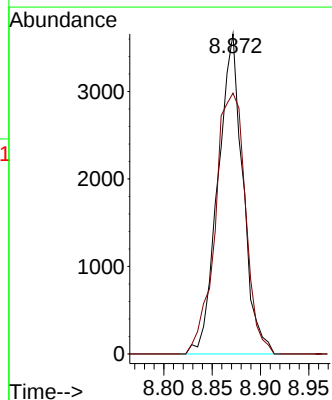
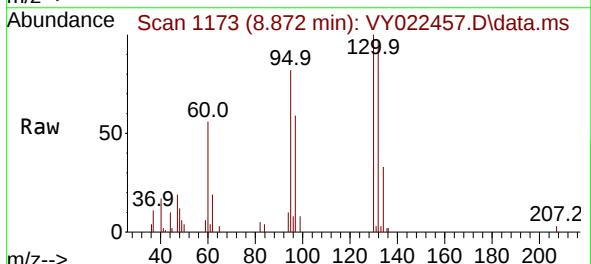
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

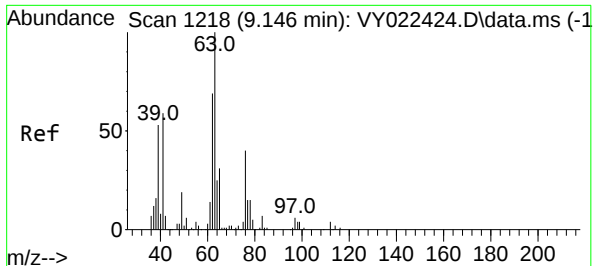
Tgt Ion: 43 Resp: 7429
Ion Ratio Lower Upper
43 100
61 24.5 15.4 23.0#
87 13.6 10.6 15.8



#44
Trichloroethene
Concen: 2.718 ug/l
RT: 8.872 min Scan# 1173
Delta R.T. 0.006 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

Tgt Ion:130 Resp: 6547
Ion Ratio Lower Upper
130 100
95 81.5 0.0 194.8





#45

1,2-Dichloropropane

Concen: 2.680 ug/l

RT: 9.146 min Scan# 1218

Delta R.T. -0.000 min

Lab File: VY022457.D

Acq: 29 May 2025 10:53

Instrument :

MSVOA_Y

ClientSampleId :

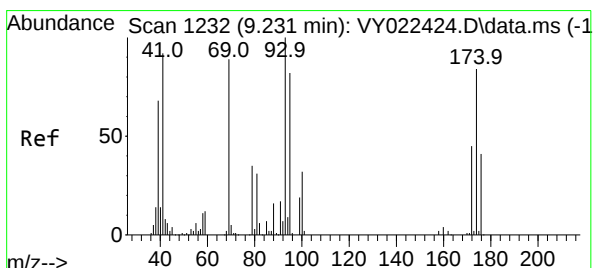
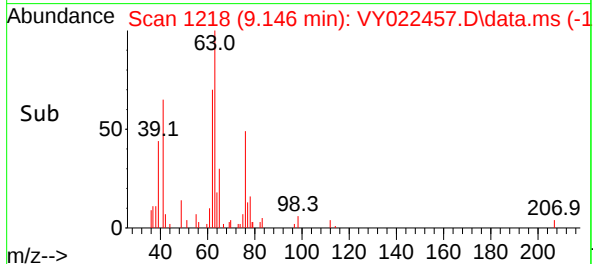
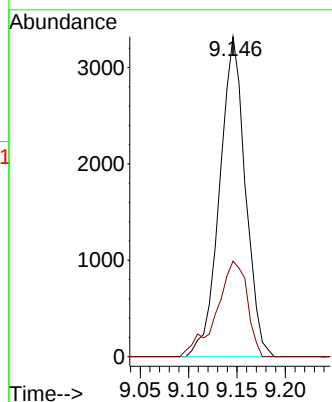
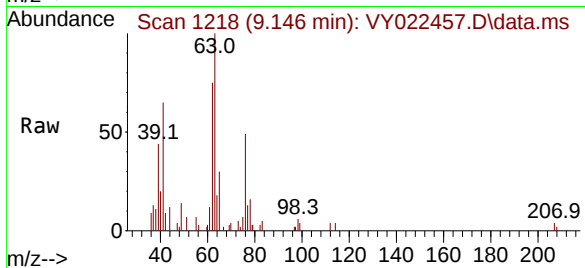
MDL-SOIL-03-QT2-2025

Tgt Ion: 63 Resp: 6134

Ion Ratio Lower Upper

63 100

65 29.8 25.1 37.7



#46

Dibromomethane

Concen: 2.422 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VY022457.D

Acq: 29 May 2025 10:53

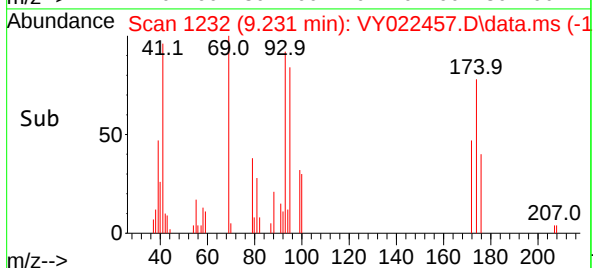
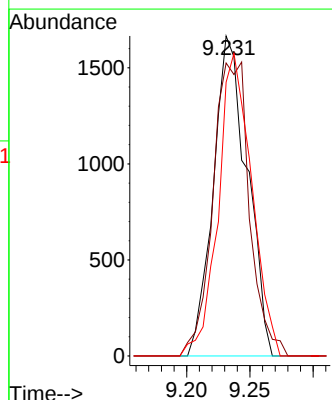
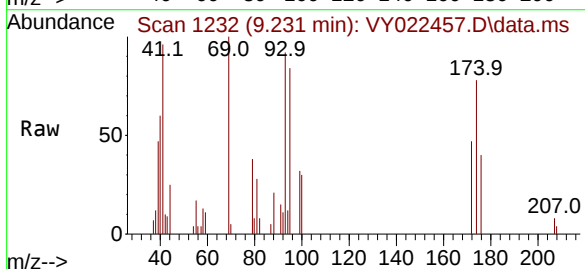
Tgt Ion: 93 Resp: 3097

Ion Ratio Lower Upper

93 100

95 99.3 66.2 99.2#

174 93.6 71.1 106.7

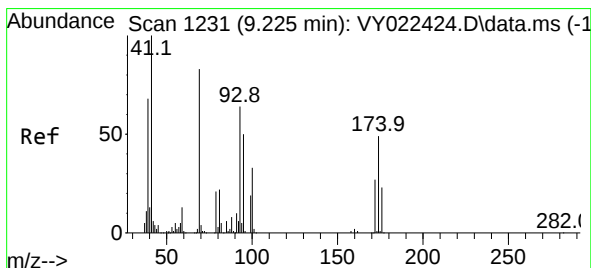
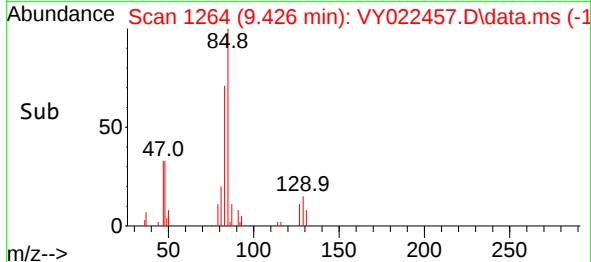
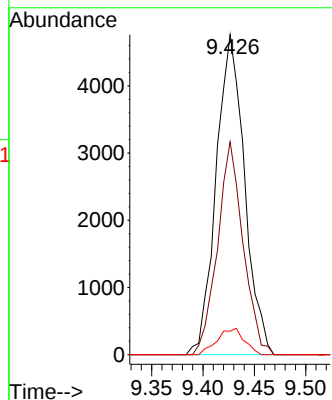
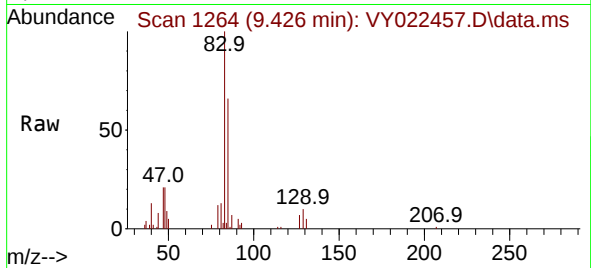




#47
Bromodichloromethane
Concen: 2.777 ug/l
RT: 9.426 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

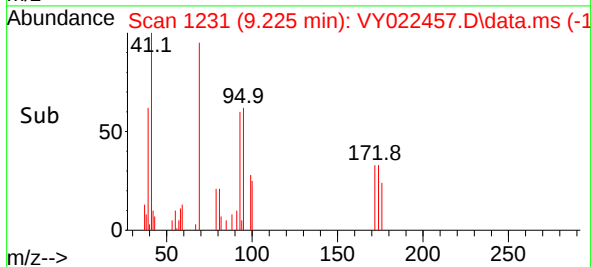
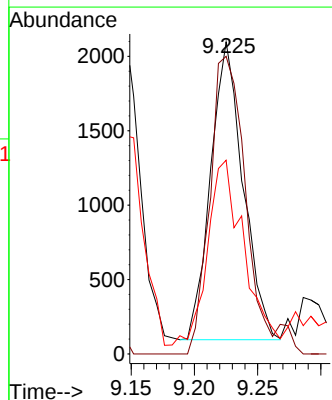
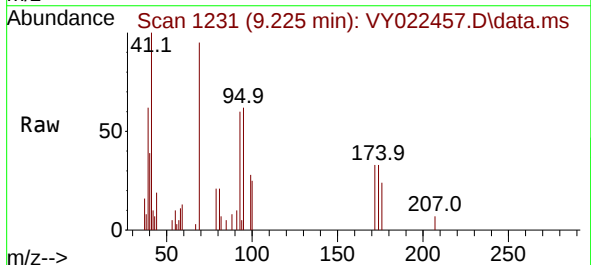
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

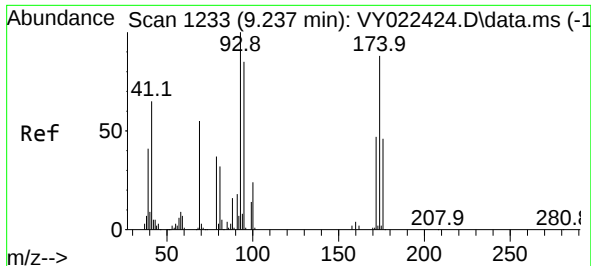
Tgt Ion: 83 Resp: 9133
Ion Ratio Lower Upper
83 100
85 66.5 49.8 74.6
127 7.3 6.6 9.8



#48
Methyl methacrylate
Concen: 2.526 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.000 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

Tgt Ion: 41 Resp: 3565
Ion Ratio Lower Upper
41 100
69 112.9 70.3 105.5#
39 70.1 55.4 83.0





#49

1,4-Dioxane

Concen: 54.655 ug/l

RT: 9.231 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022457.D

Acq: 29 May 2025 10:53

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

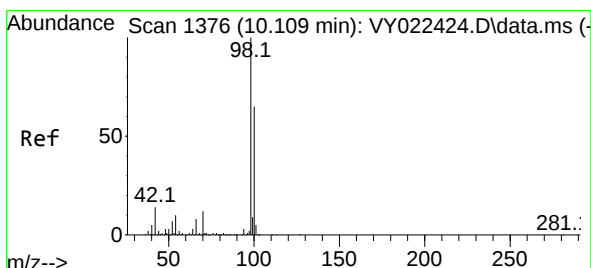
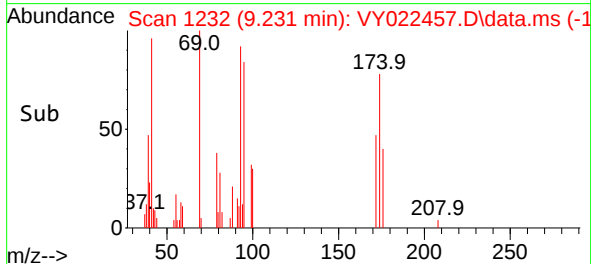
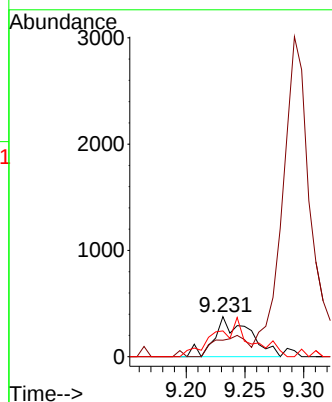
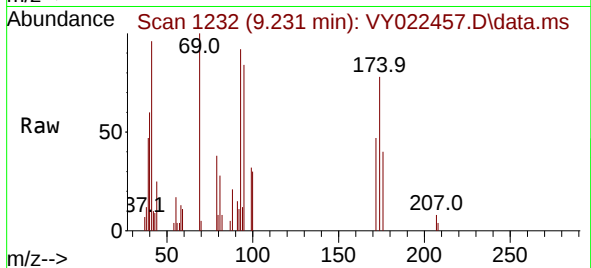
Tgt Ion: 88 Resp: 772

Ion Ratio Lower Upper

88 100

43 49.5 26.9 40.3#

58 98.8 55.8 83.6#



#50

Toluene-d8

Concen: 49.615 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY022457.D

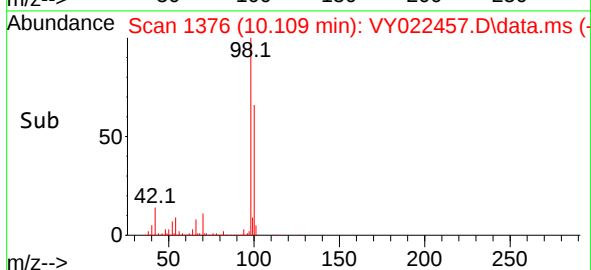
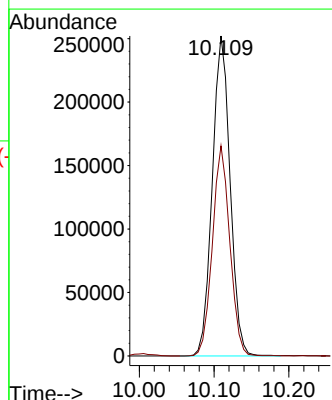
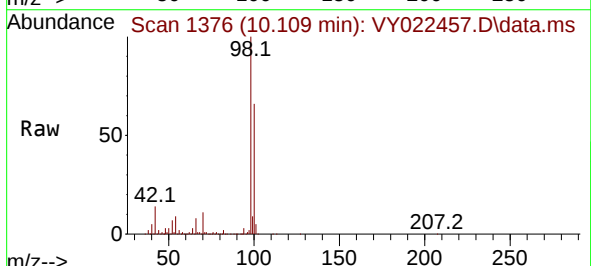
Acq: 29 May 2025 10:53

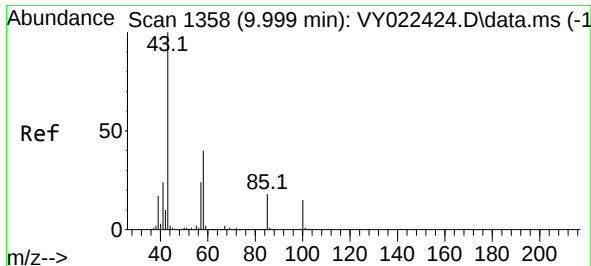
Tgt Ion: 98 Resp: 417358

Ion Ratio Lower Upper

98 100

100 64.3 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 12.774 ug/l

RT: 9.999 min Scan# 1358

Delta R.T. -0.000 min

Lab File: VY022457.D

Acq: 29 May 2025 10:53

Instrument :

MSVOA_Y

ClientSampleId :

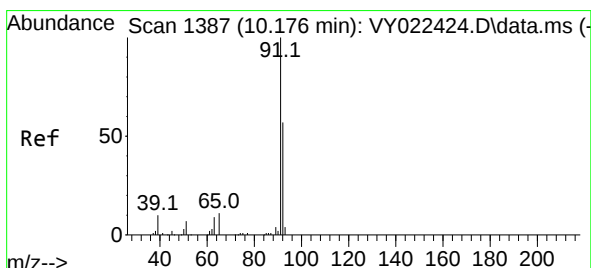
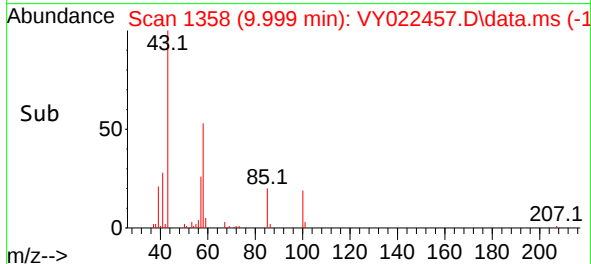
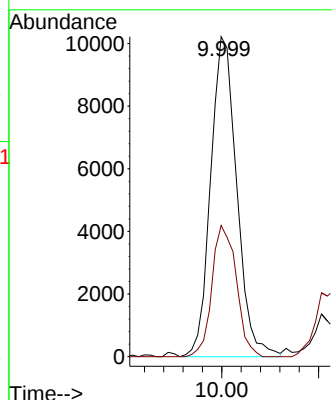
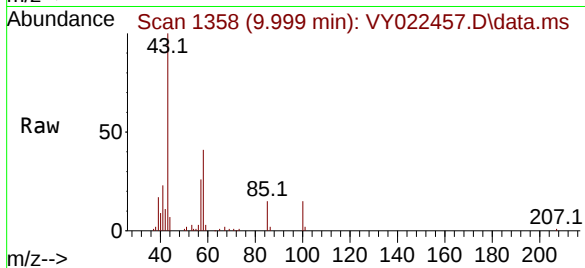
MDL-SOIL-03-QT2-2025

Tgt Ion: 43 Resp: 19165

Ion Ratio Lower Upper

43 100

58 38.2 31.2 46.8



#52

Toluene

Concen: 2.566 ug/l

RT: 10.176 min Scan# 1387

Delta R.T. -0.000 min

Lab File: VY022457.D

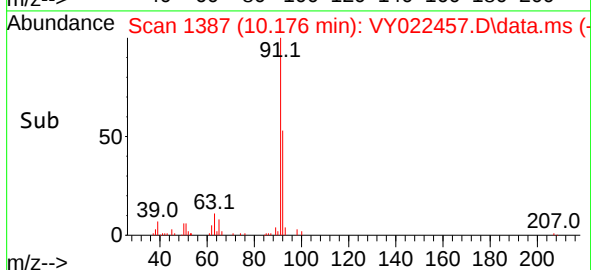
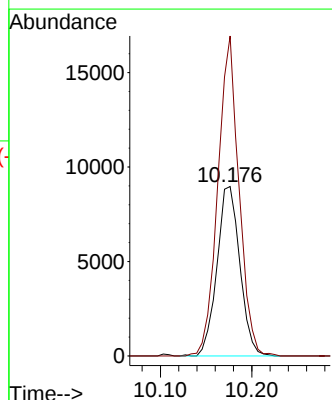
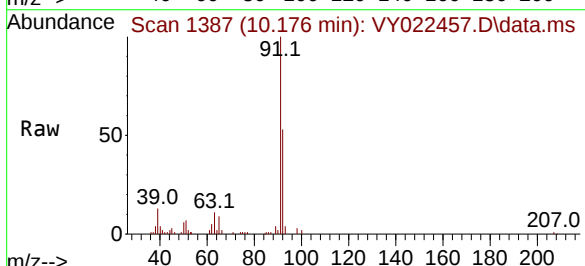
Acq: 29 May 2025 10:53

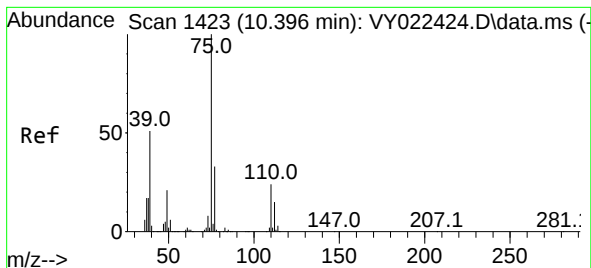
Tgt Ion: 92 Resp: 15614

Ion Ratio Lower Upper

92 100

91 174.3 139.8 209.6

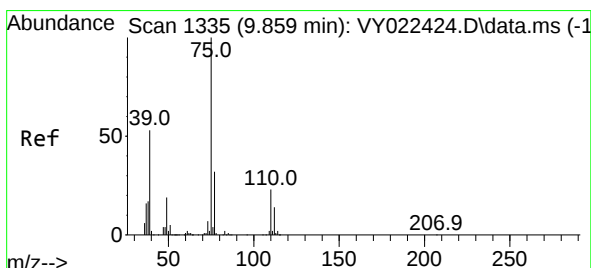
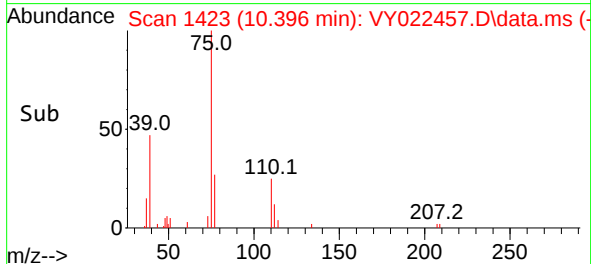
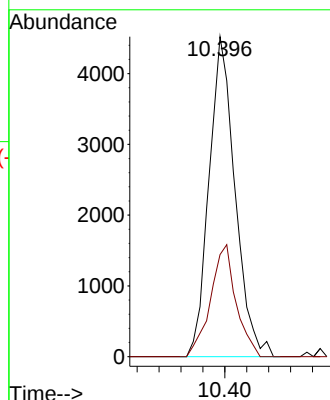
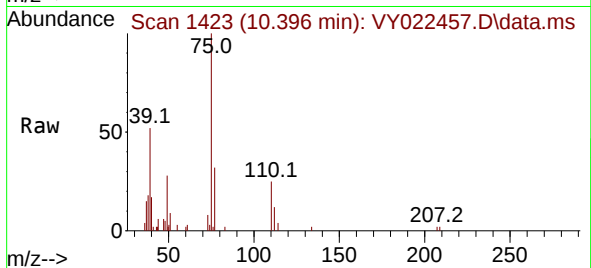




#53
t-1,3-Dichloropropene
Concen: 2.431 ug/l
RT: 10.396 min Scan# 1423
Delta R.T. -0.000 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

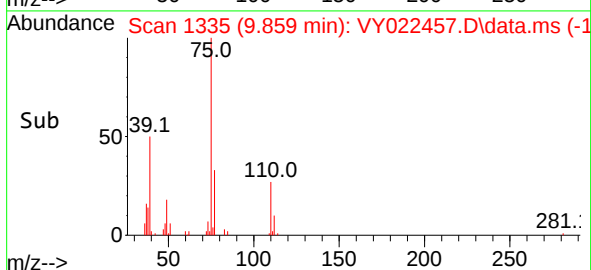
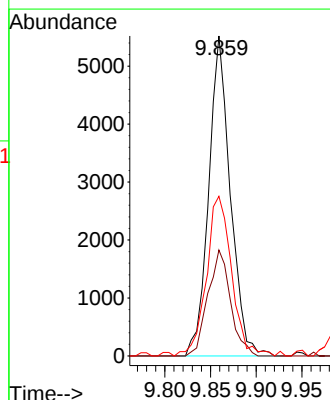
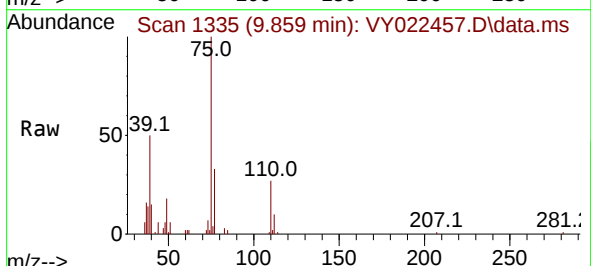
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2025

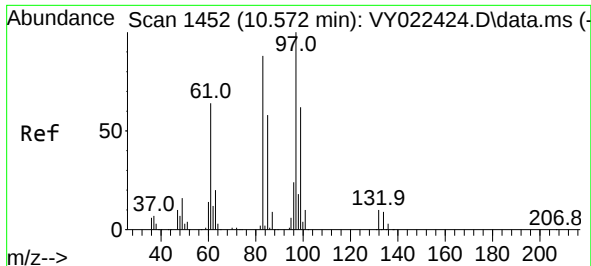
Tgt Ion: 75 Resp: 7446
Ion Ratio Lower Upper
75 100
77 31.9 26.2 39.2



#54
cis-1,3-Dichloropropene
Concen: 2.523 ug/l
RT: 9.859 min Scan# 1335
Delta R.T. -0.000 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

Tgt Ion: 75 Resp: 9081
Ion Ratio Lower Upper
75 100
77 33.1 25.4 38.2
39 48.6 42.5 63.7

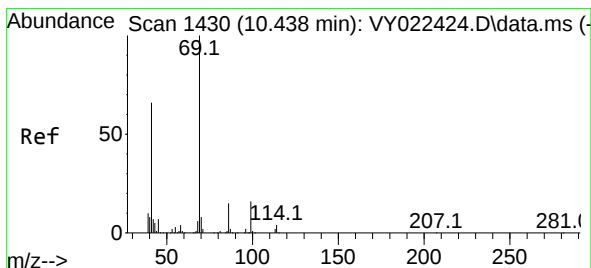
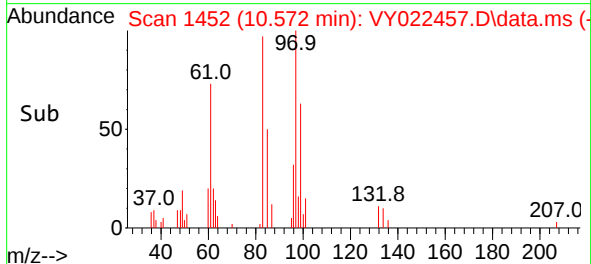
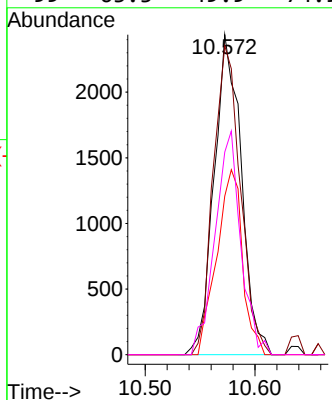
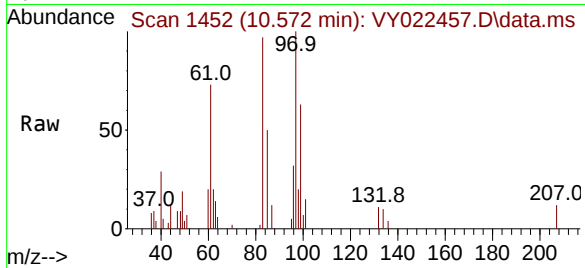




#55
1,1,2-Trichloroethane
Concen: 2.593 ug/l
RT: 10.572 min Scan# 1452
Delta R.T. -0.000 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

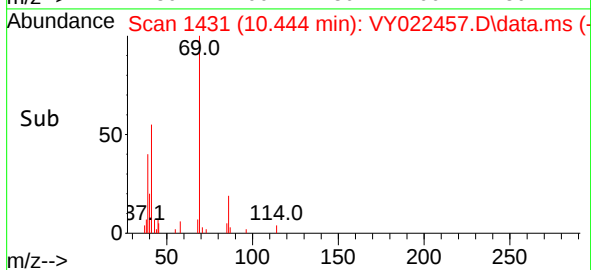
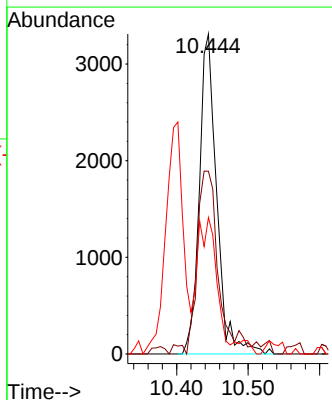
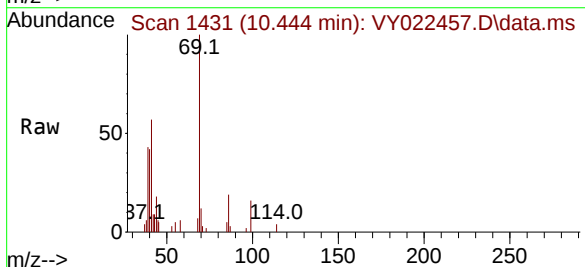
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

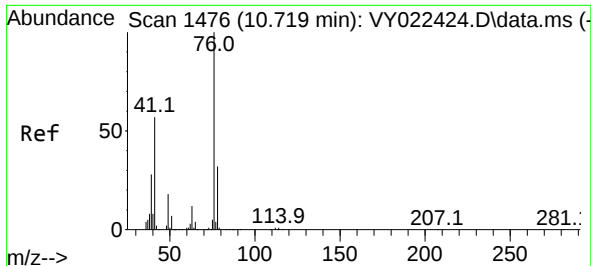
Tgt Ion:	97	Resp:	4192
Ion	Ratio	Lower	Upper
97	100		
83	96.5	70.2	105.4
85	49.5	46.1	69.1
99	63.3	49.9	74.9



#56
Ethyl methacrylate
Concen: 2.412 ug/l
RT: 10.444 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

Tgt Ion:	69	Resp:	5597
Ion	Ratio	Lower	Upper
69	100		
41	67.1	51.2	76.8
39	42.1	35.2	52.8





#57

1,3-Dichloropropane

Concen: 2.648 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VY022457.D

Acq: 29 May 2025 10:53

Instrument :

MSVOA_Y

ClientSampleId :

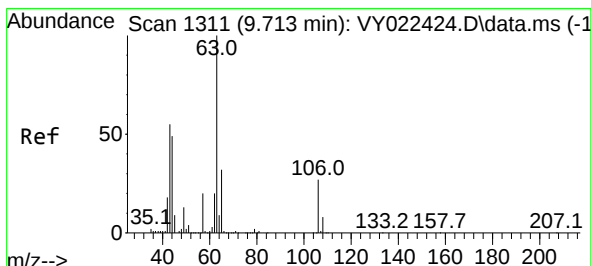
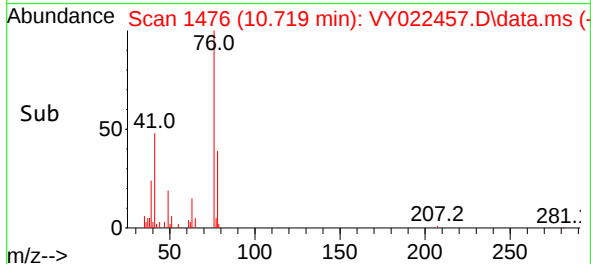
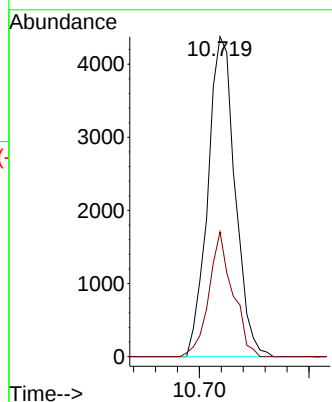
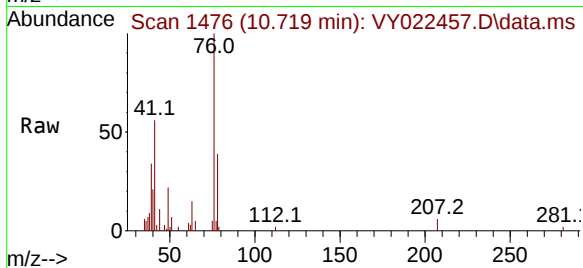
MDL-SOIL-03-QT2-2025

Tgt Ion: 76 Resp: 7545

Ion Ratio Lower Upper

76 100

78 34.2 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 12.129 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. -0.000 min

Lab File: VY022457.D

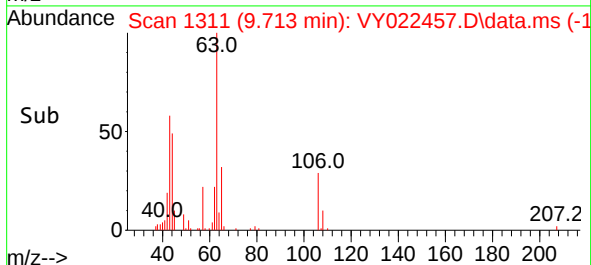
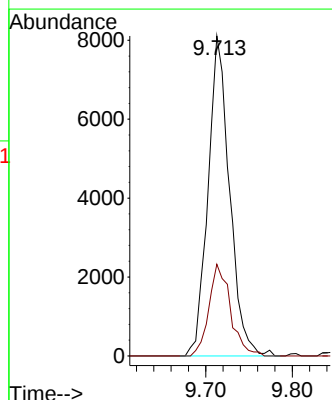
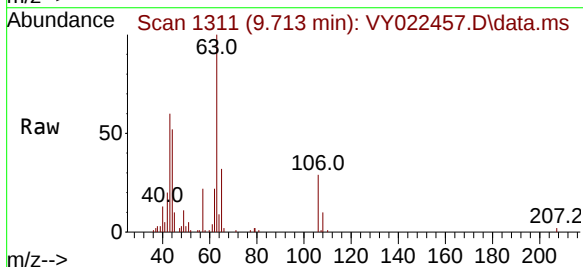
Acq: 29 May 2025 10:53

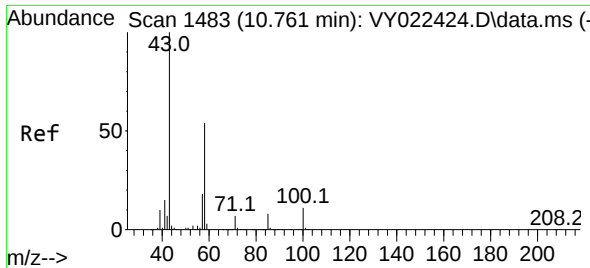
Tgt Ion: 63 Resp: 14026

Ion Ratio Lower Upper

63 100

106 28.7 22.2 33.2

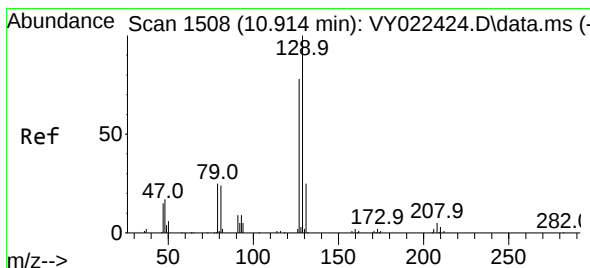
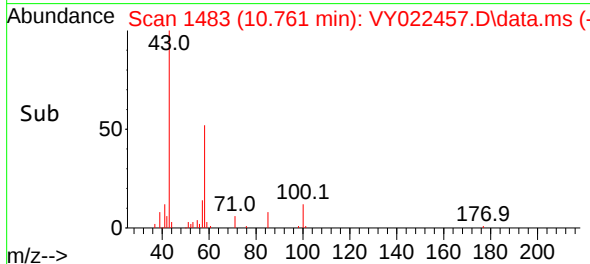
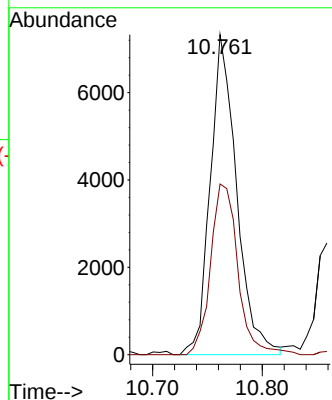
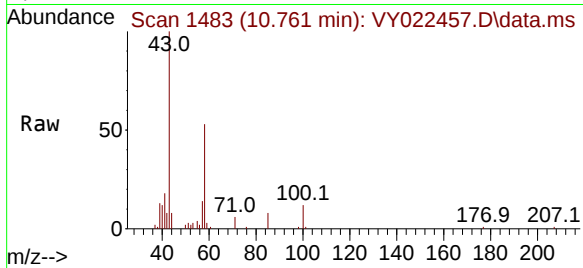




#59
2-Hexanone
Concen: 12.452 ug/l
RT: 10.761 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

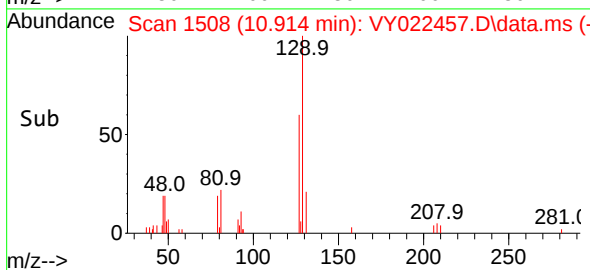
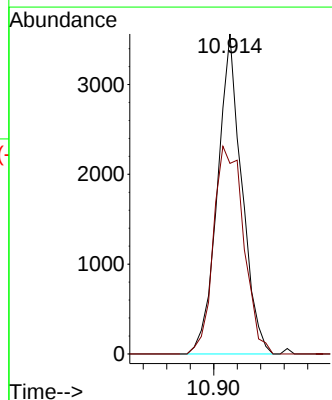
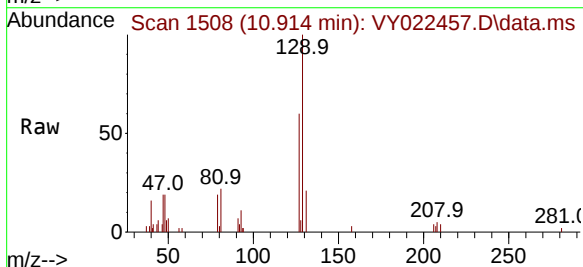
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2025

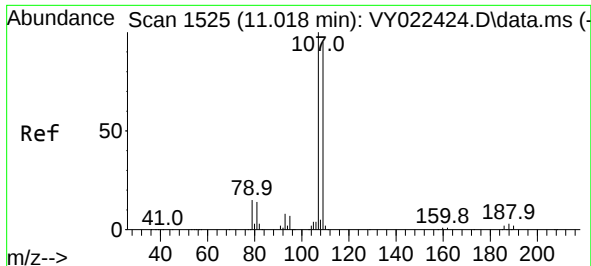
Tgt Ion: 43 Resp: 12244
Ion Ratio Lower Upper
43 100
58 55.3 27.1 81.2



#60
Dibromochloromethane
Concen: 2.480 ug/l
RT: 10.914 min Scan# 1508
Delta R.T. -0.000 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

Tgt Ion: 129 Resp: 5122
Ion Ratio Lower Upper
129 100
127 80.4 38.3 114.8

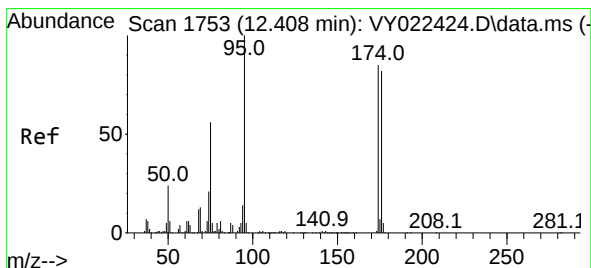
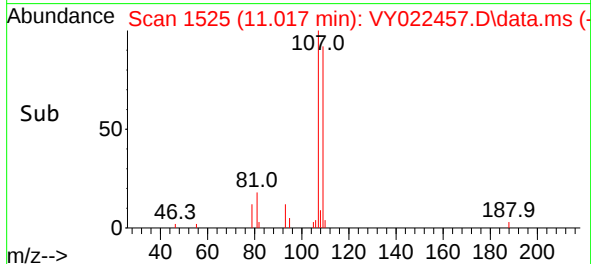
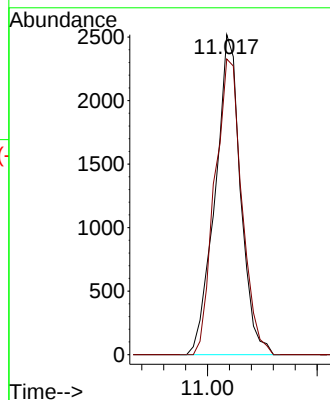
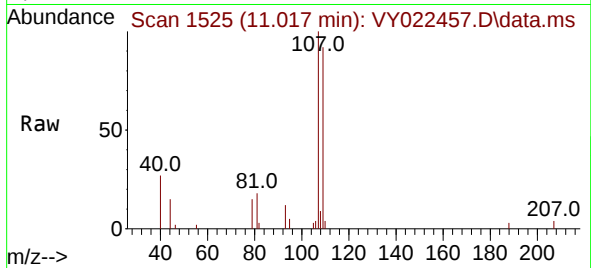




#61
1,2-Dibromoethane
Concen: 2.741 ug/l
RT: 11.017 min Scan# 1525
Delta R.T. -0.000 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

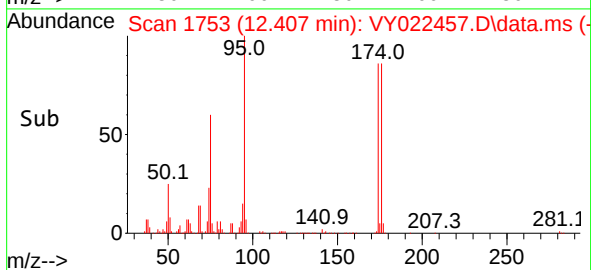
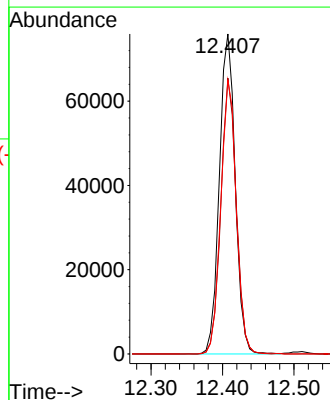
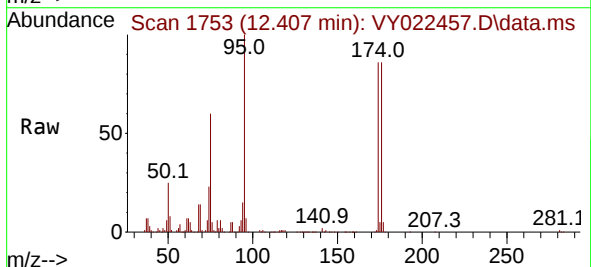
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

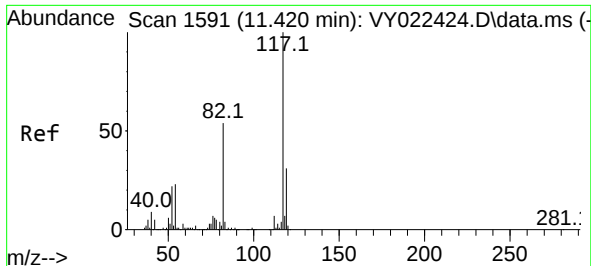
Tgt Ion:107 Resp: 4054
Ion Ratio Lower Upper
107 100
109 98.2 74.0 111.0



#62
4-Bromofluorobenzene
Concen: 45.911 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

Tgt Ion: 95 Resp: 116819
Ion Ratio Lower Upper
95 100
174 84.0 0.0 171.6
176 83.8 0.0 164.6

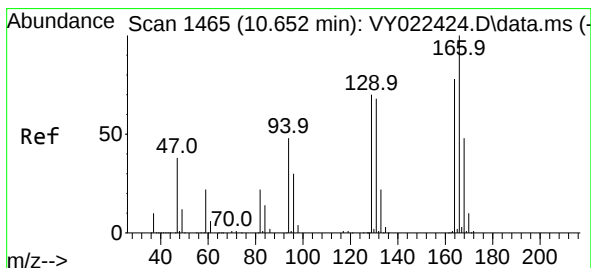
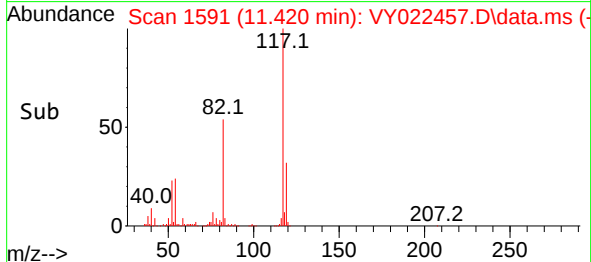
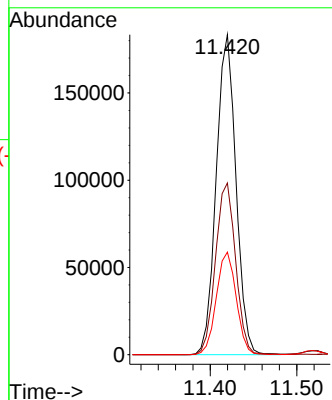
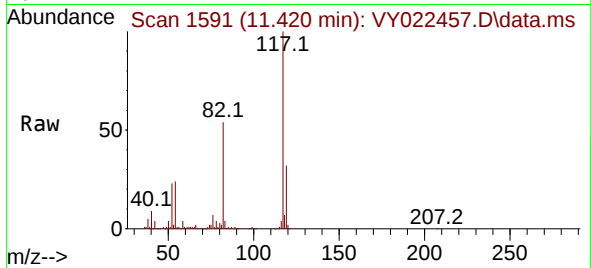




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

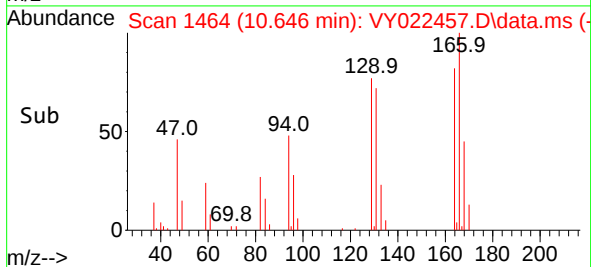
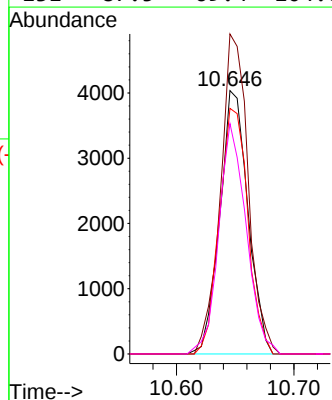
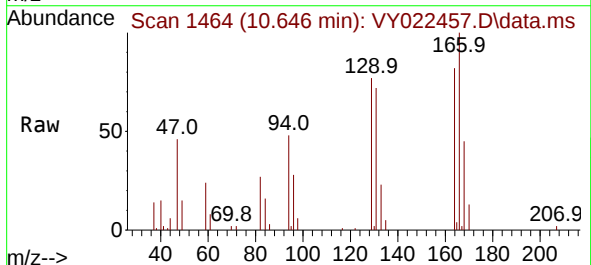
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

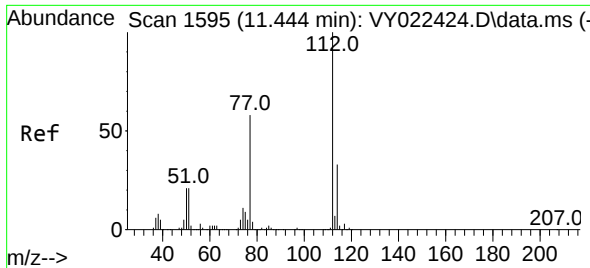
Tgt Ion:117 Resp: 290987
Ion Ratio Lower Upper
117 100
82 53.6 43.3 64.9
119 32.1 24.5 36.7



#64
Tetrachloroethene
Concen: 2.705 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

Tgt Ion:164 Resp: 6703
Ion Ratio Lower Upper
164 100
166 121.5 102.0 153.0
129 93.2 71.3 106.9
131 87.5 69.4 104.0

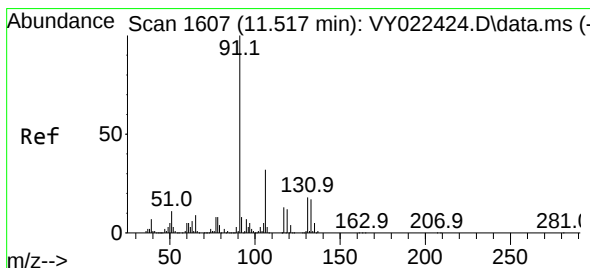
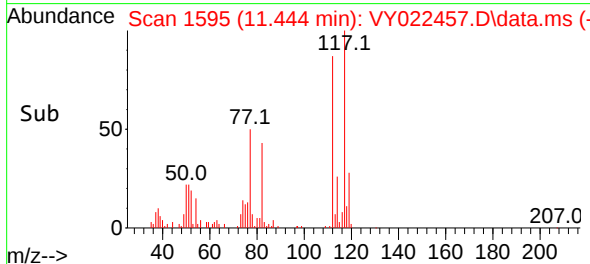
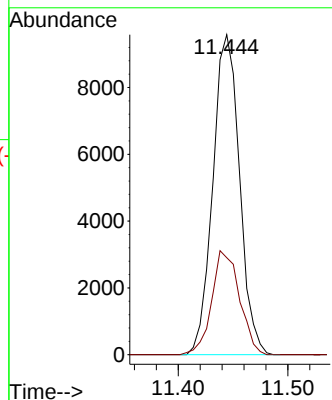
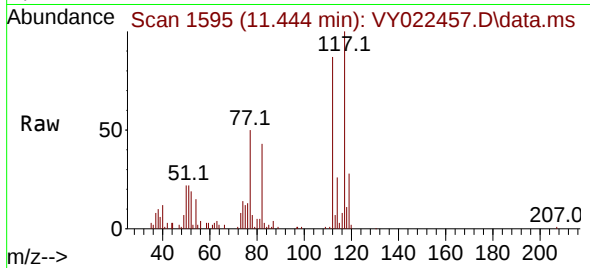




#65
Chlorobenzene
Concen: 2.611 ug/l
RT: 11.444 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

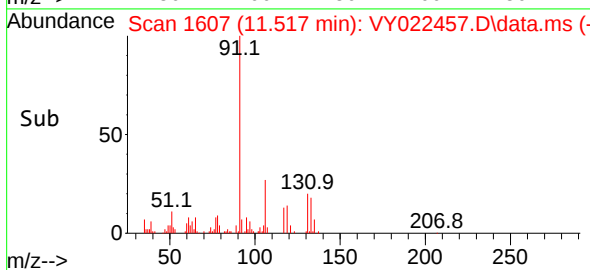
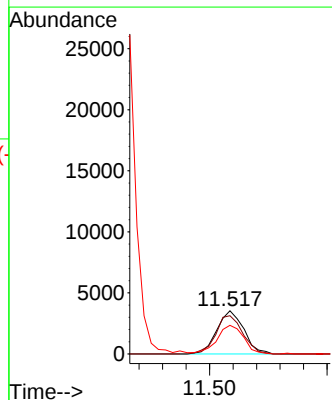
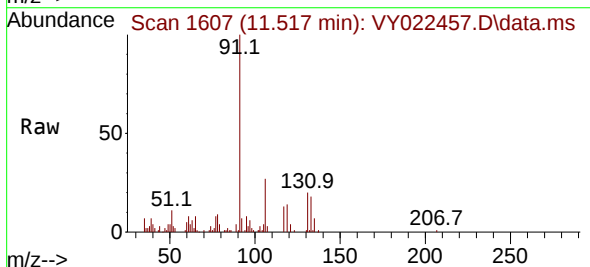
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

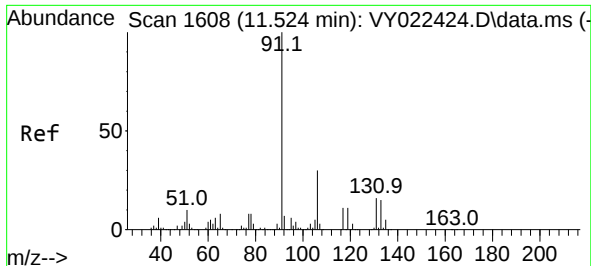
Tgt Ion:112 Resp: 16199
Ion Ratio Lower Upper
112 100
114 30.3 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 2.670 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

Tgt Ion:131 Resp: 5614
Ion Ratio Lower Upper
131 100
133 89.9 46.6 139.8
119 66.0 33.3 99.8





#67

Ethyl Benzene

Concen: 2.442 ug/l

RT: 11.523 min Scan# 1608

Delta R.T. -0.000 min

Lab File: VY022457.D

Acq: 29 May 2025 10:53

Instrument :

MSVOA_Y

ClientSampleId :

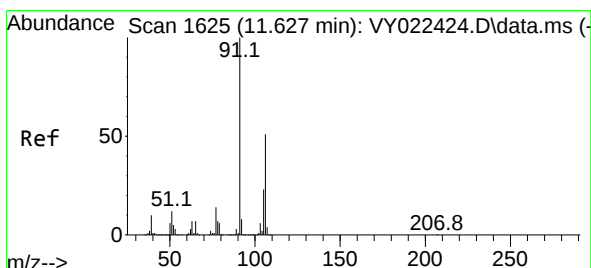
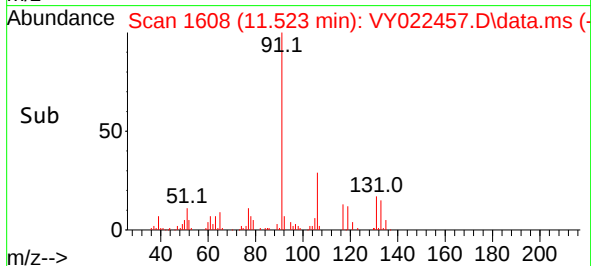
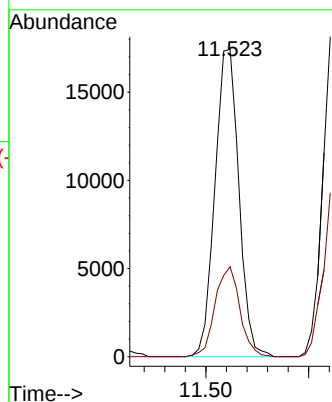
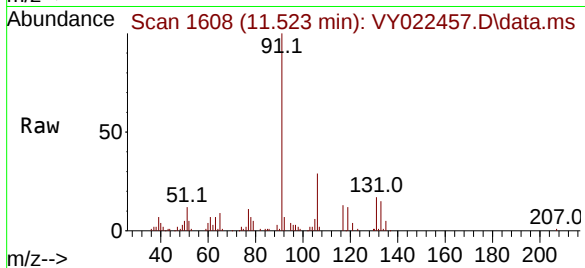
MDL-SOIL-03-QT2-2025

Tgt Ion: 91 Resp: 28139

Ion Ratio Lower Upper

91 100

106 29.3 24.4 36.6



#68

m/p-Xylenes

Concen: 4.975 ug/l

RT: 11.633 min Scan# 1626

Delta R.T. 0.006 min

Lab File: VY022457.D

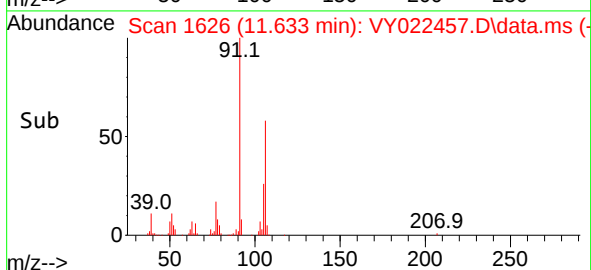
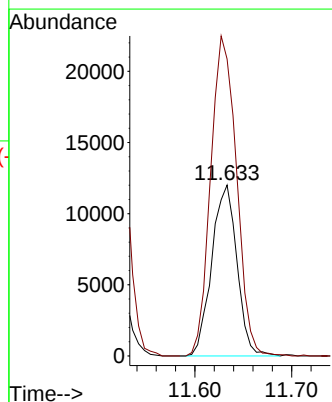
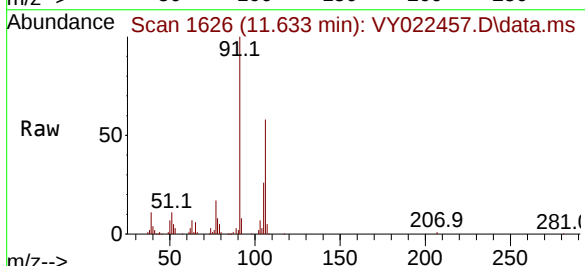
Acq: 29 May 2025 10:53

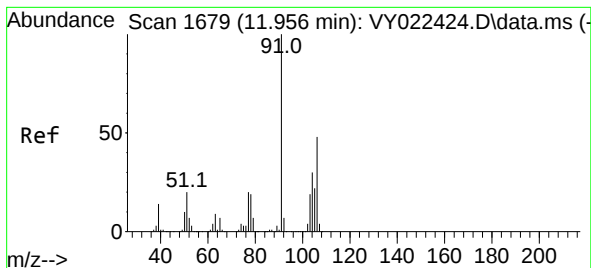
Tgt Ion:106 Resp: 21733

Ion Ratio Lower Upper

106 100

91 192.3 159.8 239.8





#69

o-Xylene

Concen: 2.413 ug/l

RT: 11.956 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022457.D

Acq: 29 May 2025 10:53

Instrument :

MSVOA_Y

ClientSampleId :

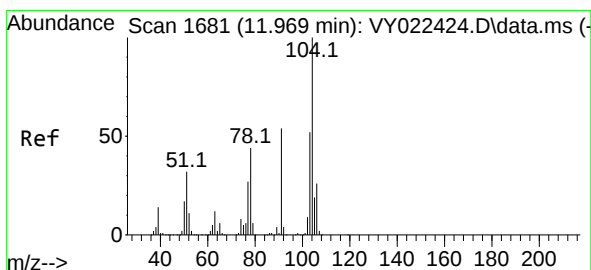
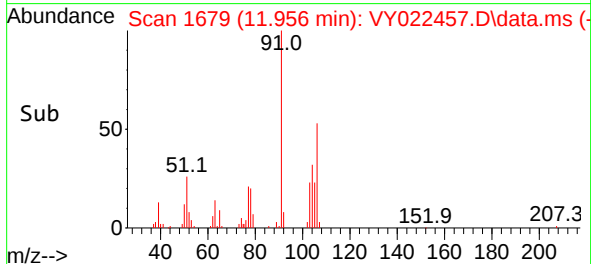
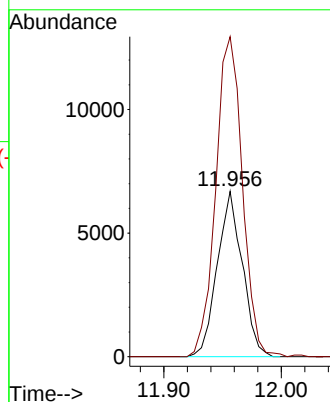
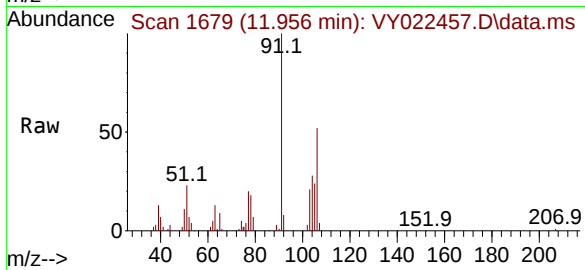
MDL-SOIL-03-QT2-2025

Tgt Ion:106 Resp: 9905

Ion Ratio Lower Upper

106 100

91 206.1 106.3 318.9



#70

Styrene

Concen: 2.468 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. -0.000 min

Lab File: VY022457.D

Acq: 29 May 2025 10:53

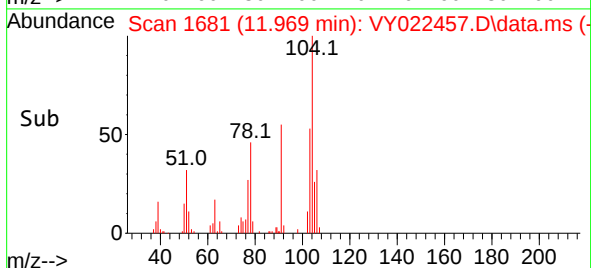
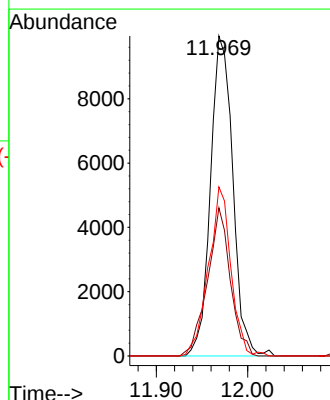
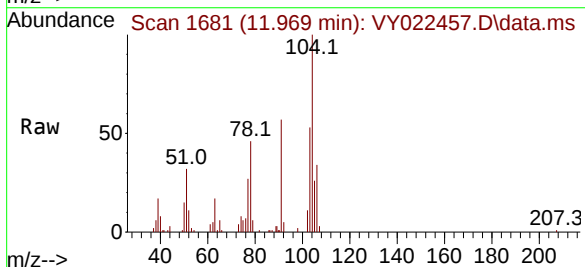
Tgt Ion:104 Resp: 16871

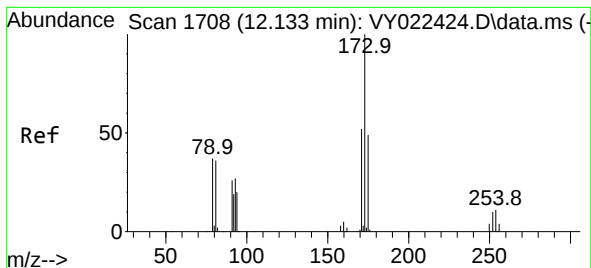
Ion Ratio Lower Upper

104 100

78 47.4 38.8 58.2

103 53.1 43.4 65.2





#71

Bromoform

Concen: 2.546 ug/l

RT: 12.133 min Scan# 1708

Delta R.T. -0.000 min

Lab File: VY022457.D

Acq: 29 May 2025 10:53

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

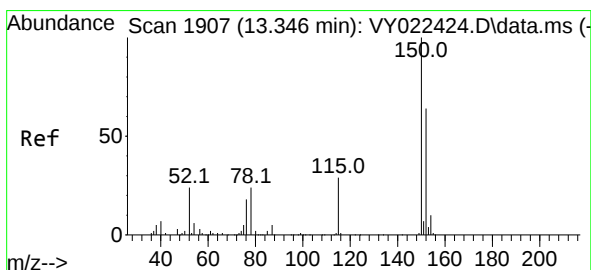
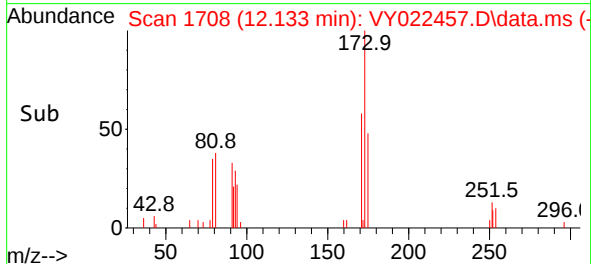
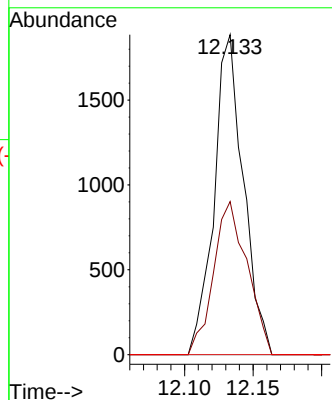
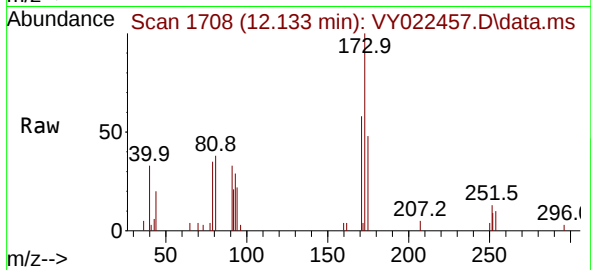
Tgt Ion:173 Resp: 2803

Ion Ratio Lower Upper

173 100

175 55.0 24.3 73.0

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022457.D

Acq: 29 May 2025 10:53

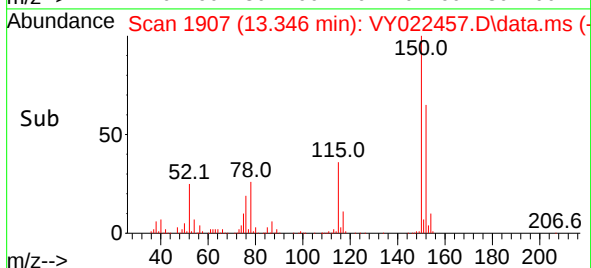
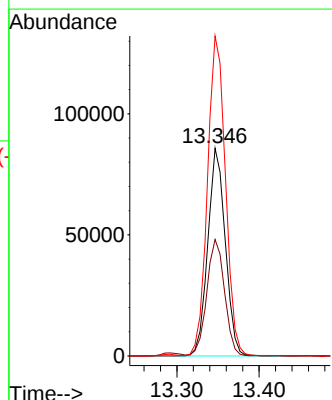
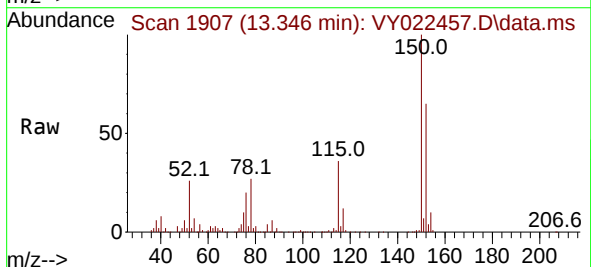
Tgt Ion:152 Resp: 126938

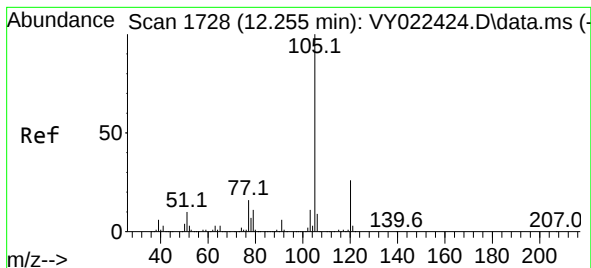
Ion Ratio Lower Upper

152 100

115 56.8 28.4 85.3

150 158.4 0.0 345.8





#73

Isopropylbenzene

Concen: 2.456 ug/l

RT: 12.255 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022457.D

Acq: 29 May 2025 10:53

Instrument :

MSVOA_Y

ClientSampleId :

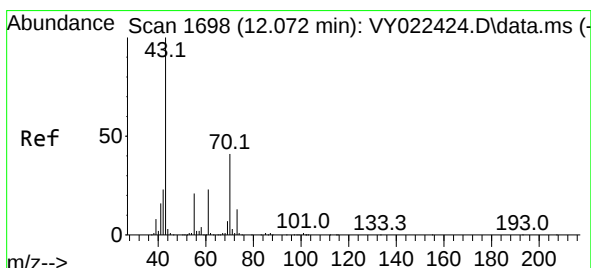
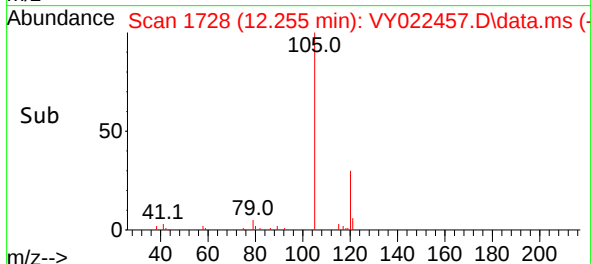
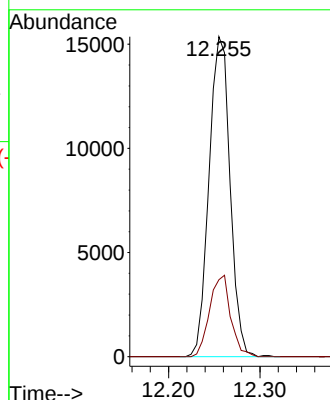
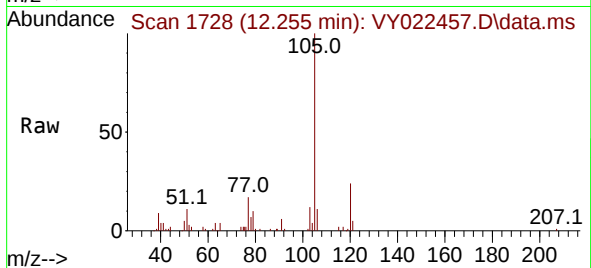
MDL-SOIL-03-QT2-2025

Tgt Ion:105 Resp: 24537

Ion Ratio Lower Upper

105 100

120 25.4 13.2 39.5



#74

N-ethyl acetate

Concen: 2.373 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. -0.000 min

Lab File: VY022457.D

Acq: 29 May 2025 10:53

Tgt Ion: 43 Resp: 5800

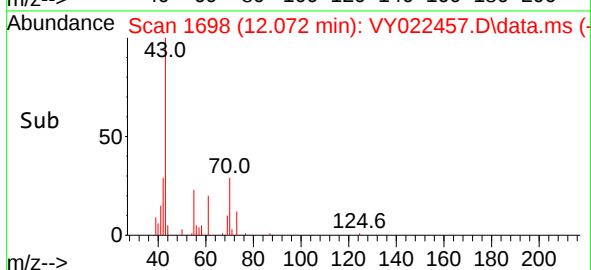
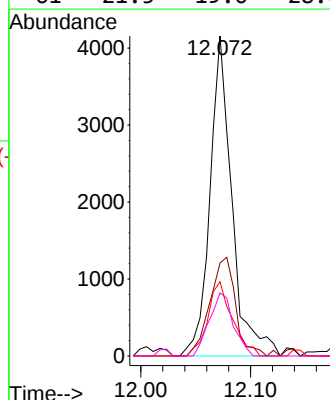
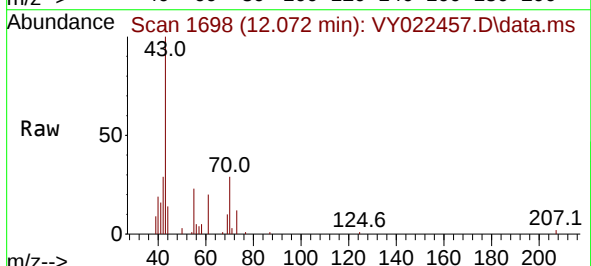
Ion Ratio Lower Upper

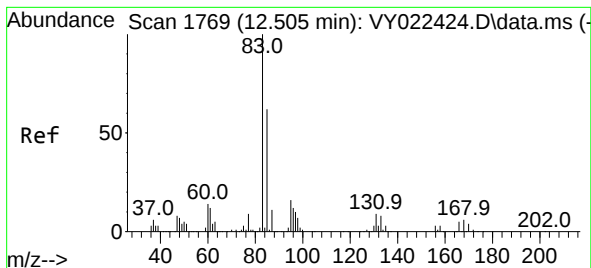
43 100

70 35.8 33.0 49.4

55 25.9 17.5 26.3

61 21.5 19.0 28.6





#75

1,1,2-Tetrachloroethane

Concen: 2.712 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. -0.000 min

Lab File: VY022457.D

Acq: 29 May 2025 10:53

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

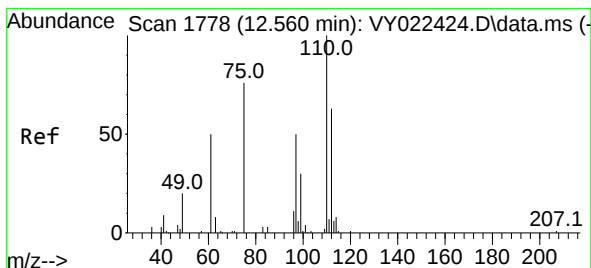
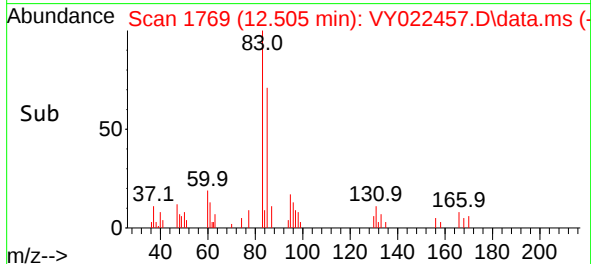
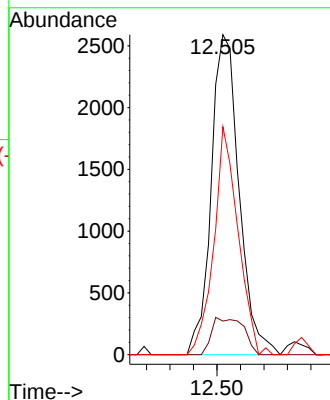
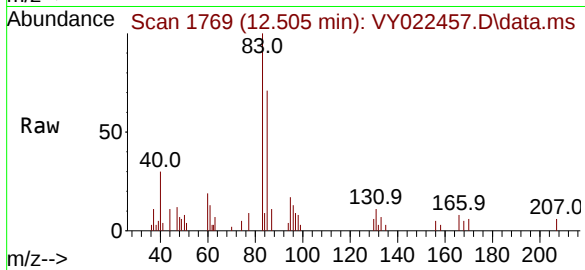
Tgt Ion: 83 Resp: 4269

Ion Ratio Lower Upper

83 100

131 13.1 4.8 14.4

85 62.0 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 4.680 ug/l

RT: 12.560 min Scan# 1778

Delta R.T. -0.000 min

Lab File: VY022457.D

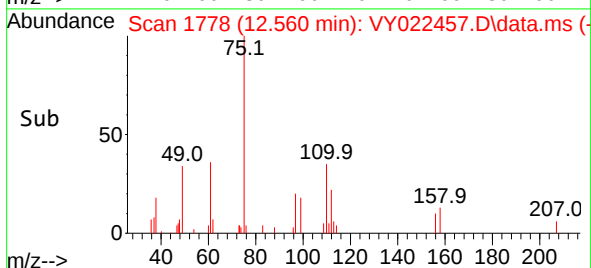
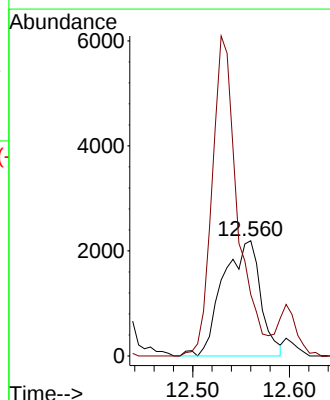
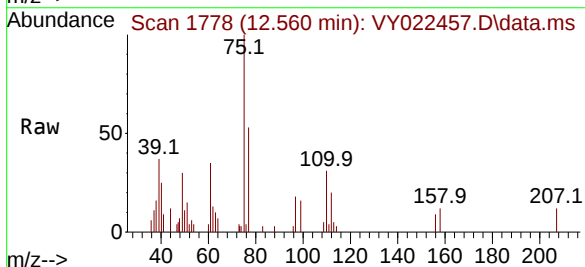
Acq: 29 May 2025 10:53

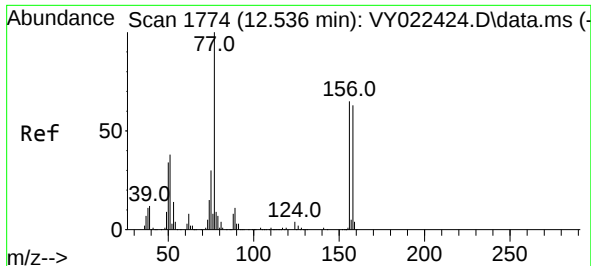
Tgt Ion: 75 Resp: 5951

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

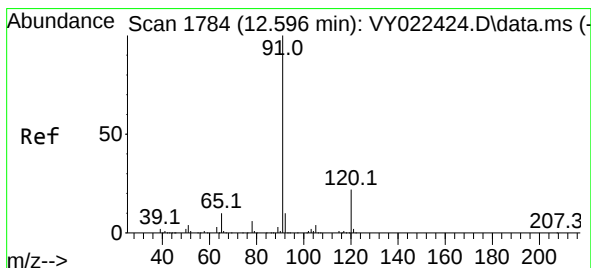
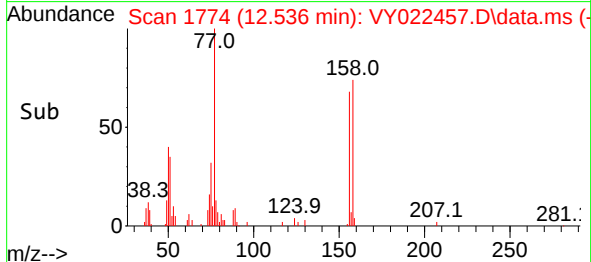
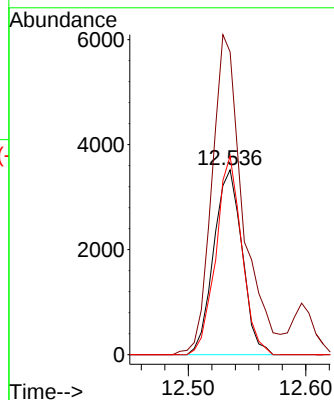
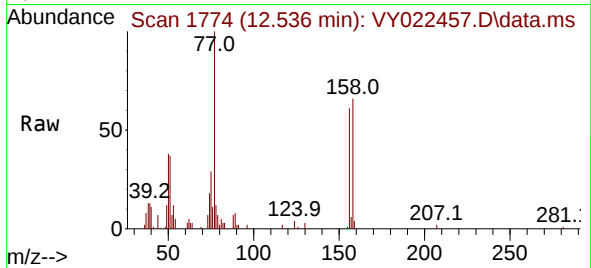




#77
Bromobenzene
Concen: 2.751 ug/l
RT: 12.536 min Scan# 1774
Delta R.T. -0.000 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

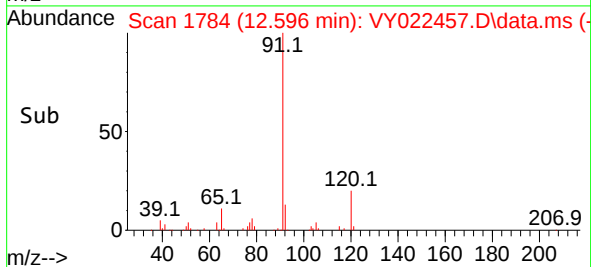
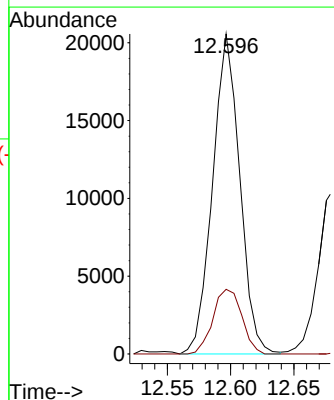
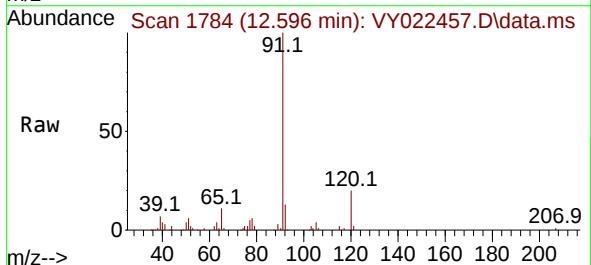
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

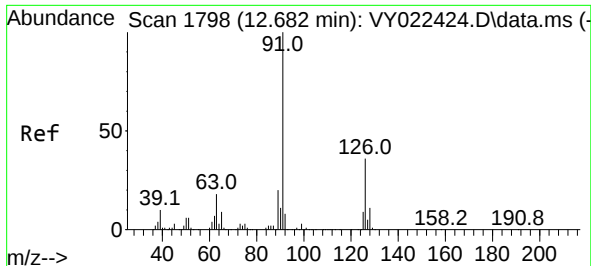
Tgt Ion:156 Resp: 5914
Ion Ratio Lower Upper
156 100
77 189.2 91.4 274.2
158 98.0 48.1 144.3



#78
n-propylbenzene
Concen: 2.558 ug/l
RT: 12.596 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

Tgt Ion: 91 Resp: 30670
Ion Ratio Lower Upper
91 100
120 21.5 11.2 33.5

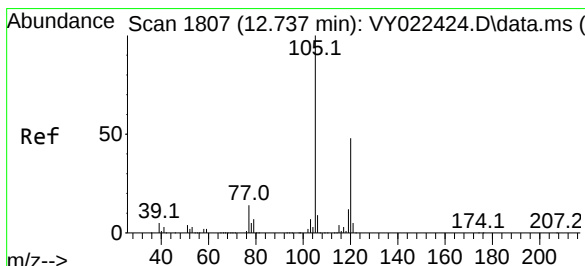
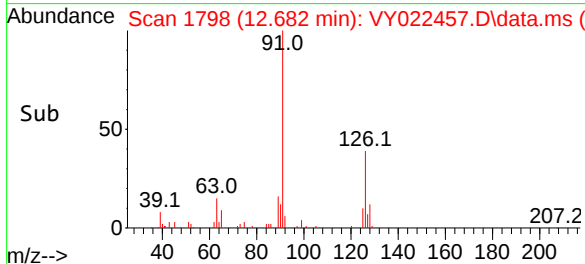
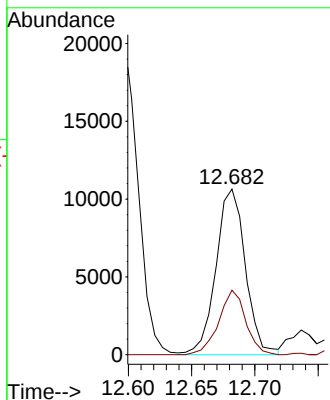
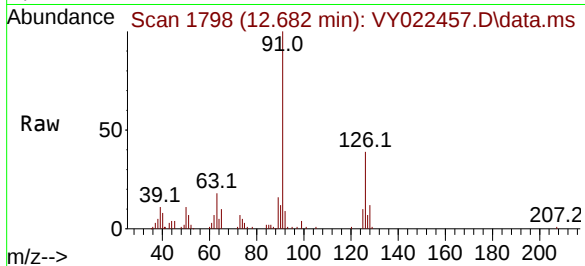




#79
2-Chlorotoluene
Concen: 2.654 ug/l
RT: 12.682 min Scan# 1798
Delta R.T. -0.000 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

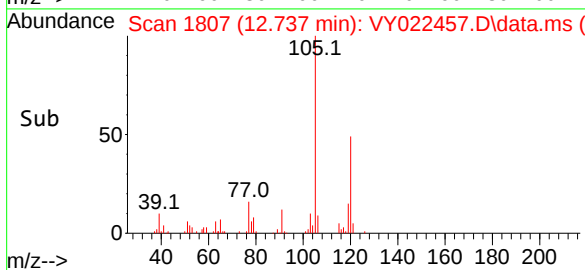
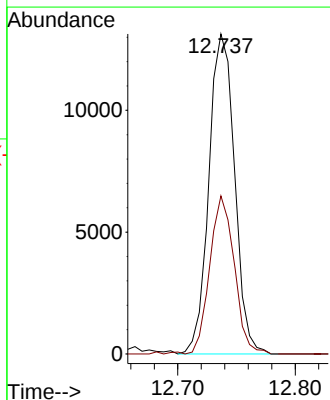
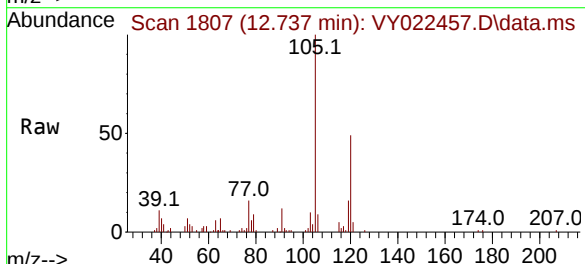
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

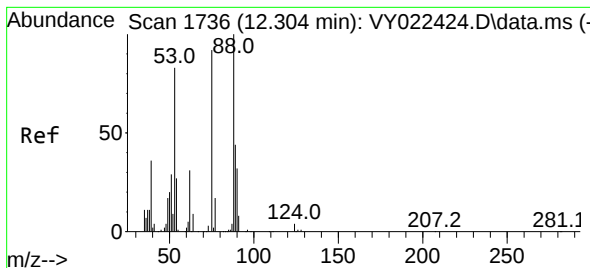
Tgt Ion: 91 Resp: 17223
Ion Ratio Lower Upper
91 100
126 35.6 17.4 52.3



#80
1,3,5-Trimethylbenzene
Concen: 2.561 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

Tgt Ion: 105 Resp: 19993
Ion Ratio Lower Upper
105 100
120 47.3 24.3 73.0

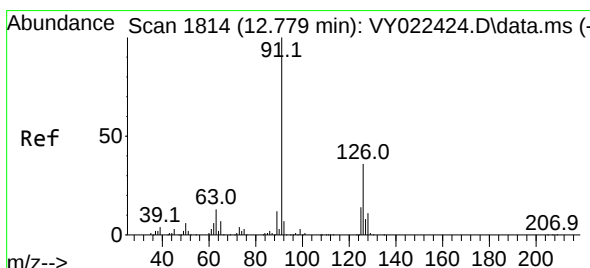
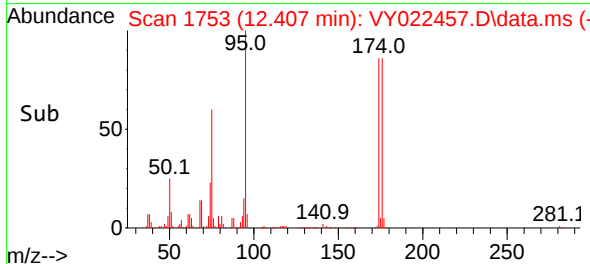
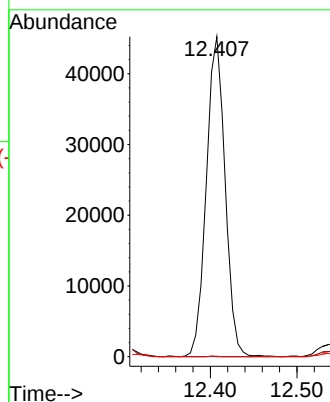
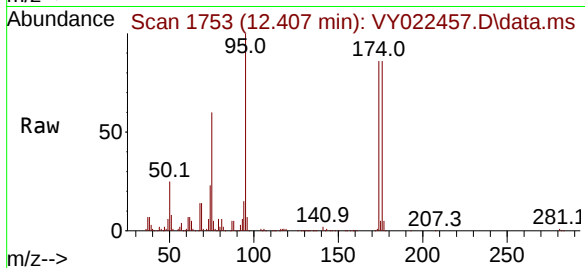




#81
trans-1,4-Dichloro-2-butene
Concen: 120.985 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

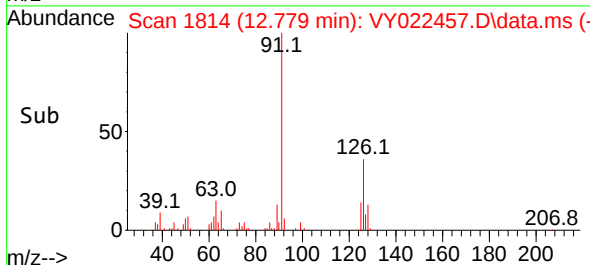
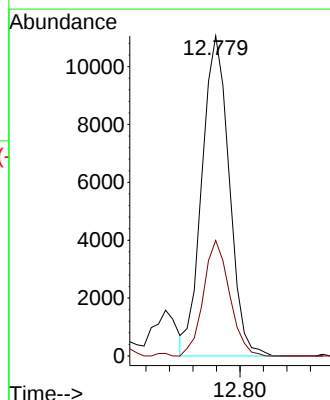
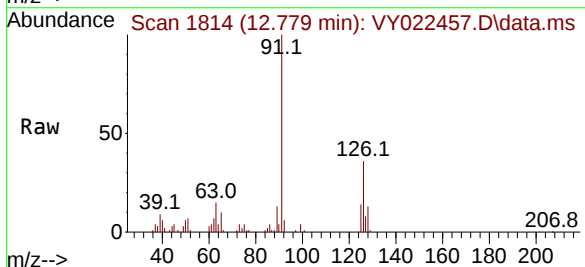
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

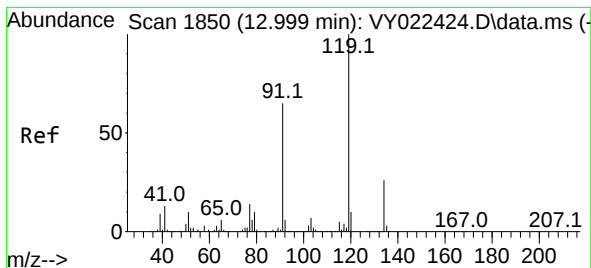
Tgt Ion: 75 Resp: 68023
Ion Ratio Lower Upper
75 100
53 0.0 75.1 112.7#
89 0.1 37.4 56.0#



#82
4-Chlorotoluene
Concen: 2.664 ug/l
RT: 12.779 min Scan# 1814
Delta R.T. -0.000 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

Tgt Ion: 91 Resp: 17809
Ion Ratio Lower Upper
91 100
126 34.7 17.2 51.6





#83

tert-Butylbenzene

Concen: 2.505 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. -0.000 min

Lab File: VY022457.D

Acq: 29 May 2025 10:53

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

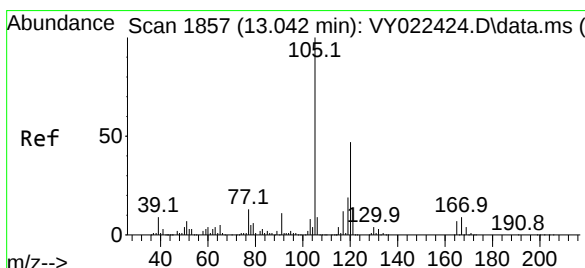
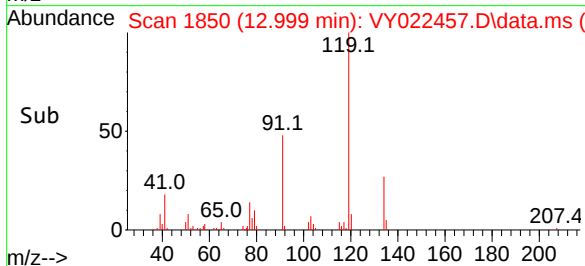
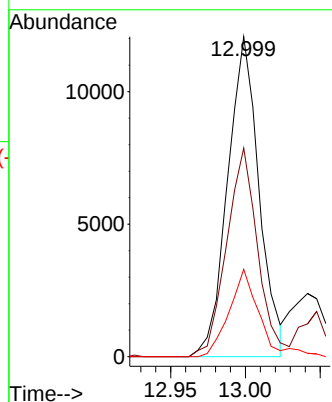
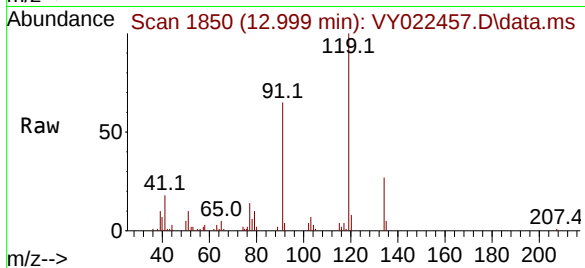
Tgt Ion:119 Resp: 17669

Ion Ratio Lower Upper

119 100

91 64.4 31.8 95.3

134 26.3 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 2.557 ug/l

RT: 13.041 min Scan# 1857

Delta R.T. -0.000 min

Lab File: VY022457.D

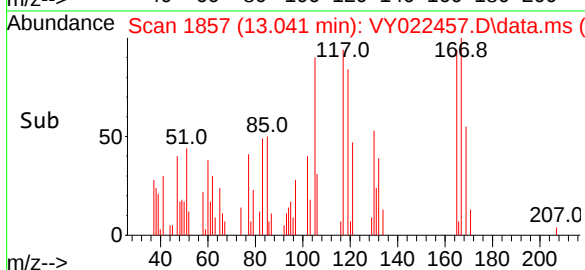
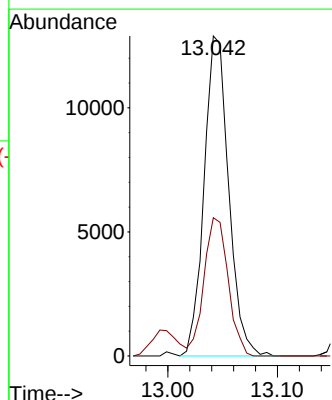
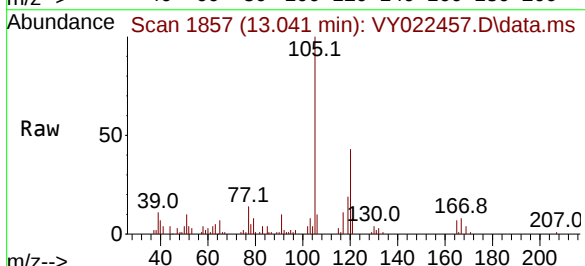
Acq: 29 May 2025 10:53

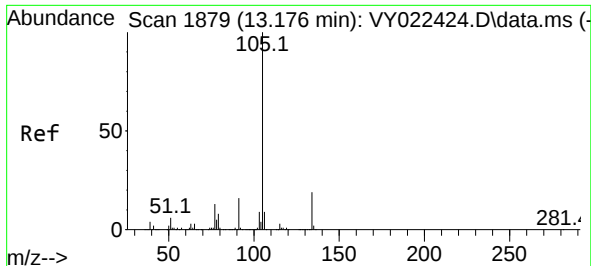
Tgt Ion:105 Resp: 20090

Ion Ratio Lower Upper

105 100

120 42.5 22.9 68.5

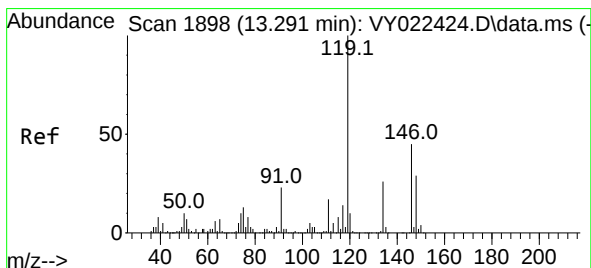
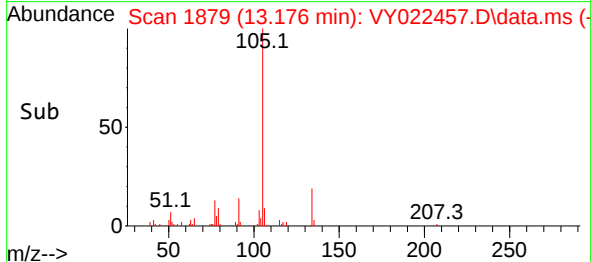
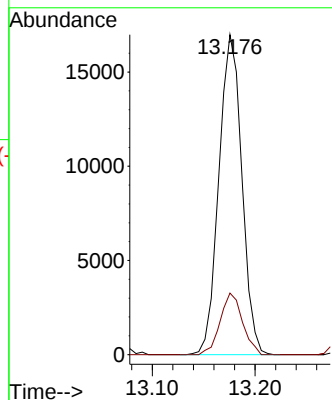
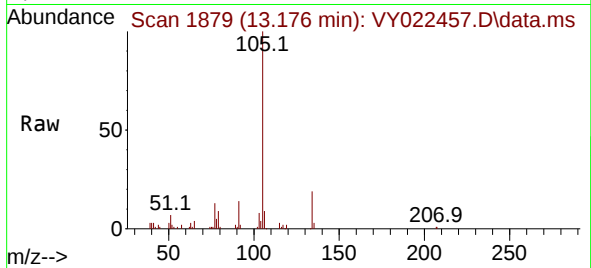




#85
 sec-Butylbenzene
 Concen: 2.518 ug/l
 RT: 13.176 min Scan# 1879
 Delta R.T. -0.000 min
 Lab File: VY022457.D
 Acq: 29 May 2025 10:53

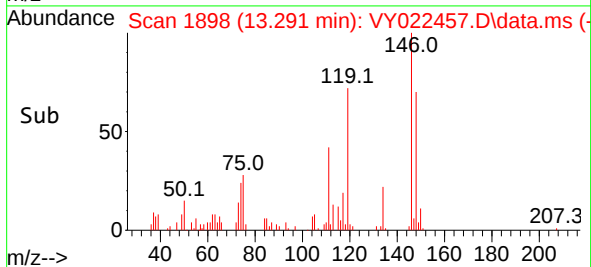
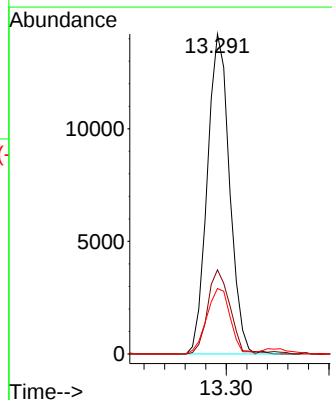
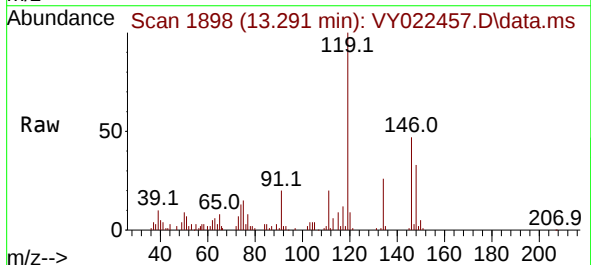
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2025

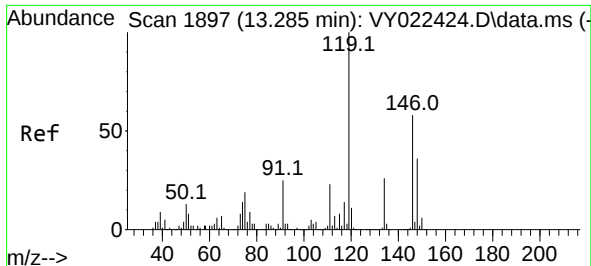
Tgt Ion:105 Resp: 26340
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 2.440 ug/l
 RT: 13.291 min Scan# 1898
 Delta R.T. -0.000 min
 Lab File: VY022457.D
 Acq: 29 May 2025 10:53

Tgt Ion:119 Resp: 21314
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.0 39.0
 91 21.7 11.6 34.8

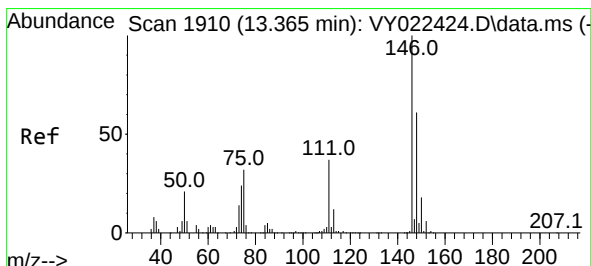
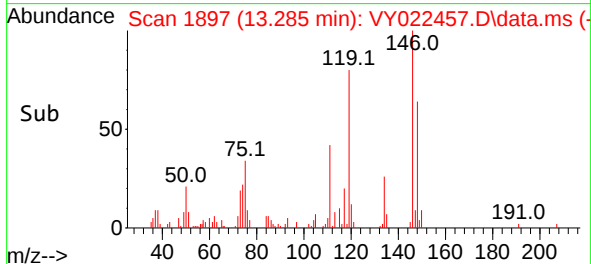
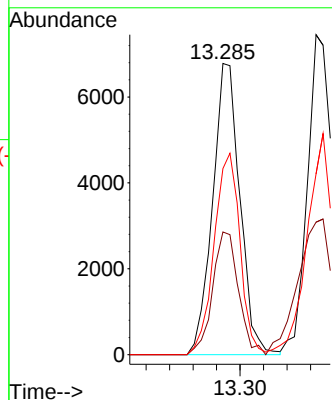
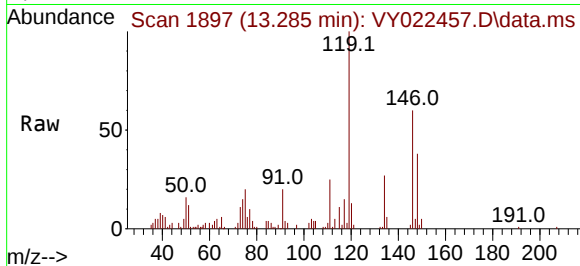




#87
 1,3-Dichlorobenzene
 Concen: 2.530 ug/l
 RT: 13.285 min Scan# 1897
 Delta R.T. -0.000 min
 Lab File: VY022457.D
 Acq: 29 May 2025 10:53

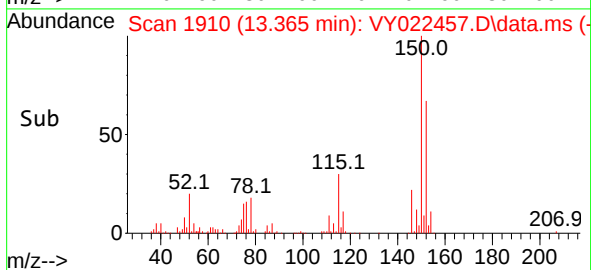
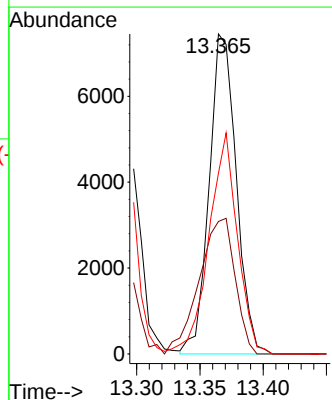
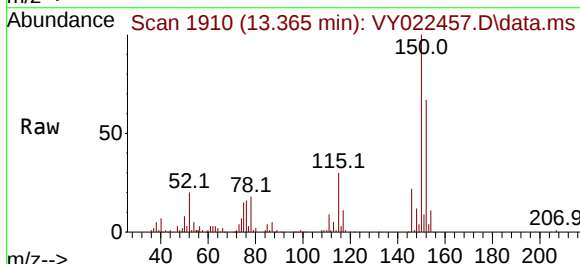
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2025

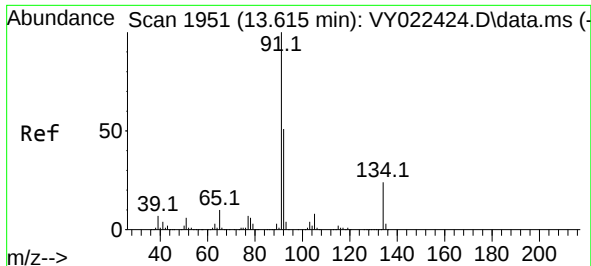
Tgt Ion:	146	Resp:	10946
Ion Ratio	Lower	Upper	
146	100		
111	39.9	19.6	58.8
148	65.5	31.7	95.1



#88
 1,4-Dichlorobenzene
 Concen: 2.688 ug/l
 RT: 13.365 min Scan# 1910
 Delta R.T. -0.000 min
 Lab File: VY022457.D
 Acq: 29 May 2025 10:53

Tgt Ion:	146	Resp:	11119
Ion Ratio	Lower	Upper	
146	100		
111	56.1	18.7	56.1
148	72.6	31.4	94.3

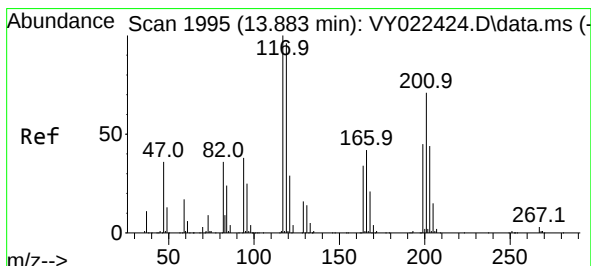
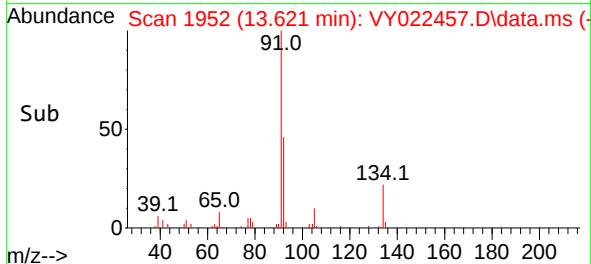
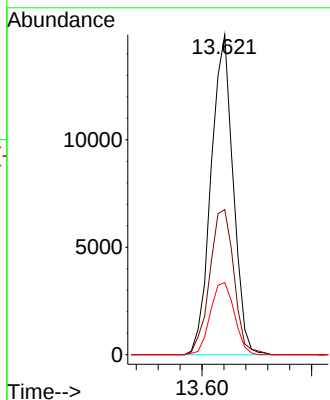
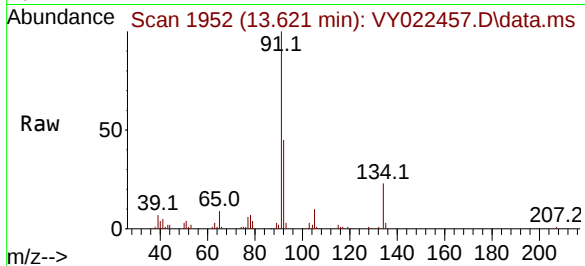




#89
n-Butylbenzene
Concen: 2.549 ug/l
RT: 13.621 min Scan# 1952
Delta R.T. 0.006 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

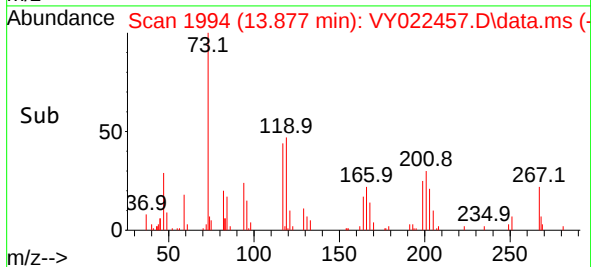
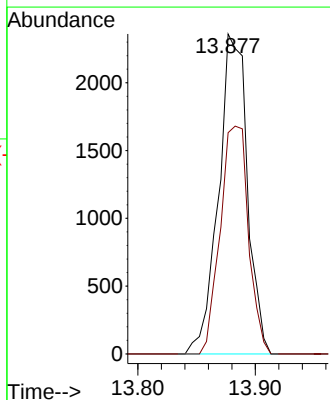
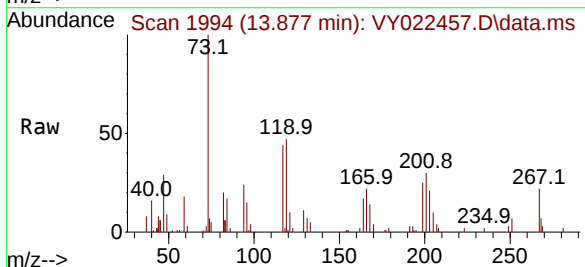
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

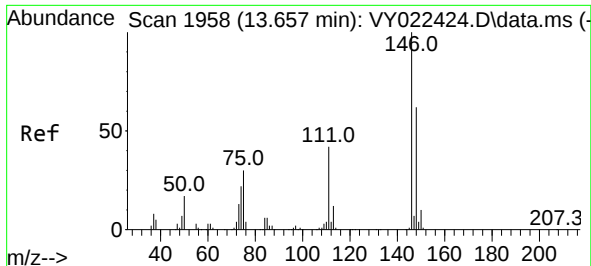
Tgt Ion: 91	Resp: 20875
Ion Ratio	Lower Upper
91	100
92	49.8 25.9 77.6
134	24.5 12.4 37.0



#90
Hexachloroethane
Concen: 2.312 ug/l
RT: 13.877 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

Tgt Ion: 117	Resp: 4019
Ion Ratio	Lower Upper
117	100
201	69.9 35.0 105.0

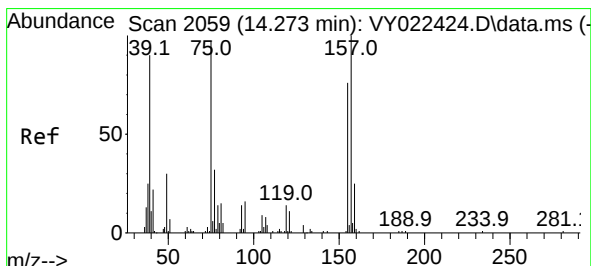
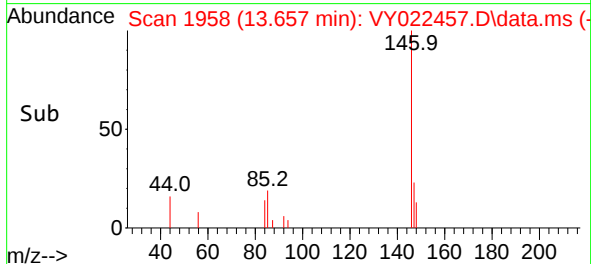
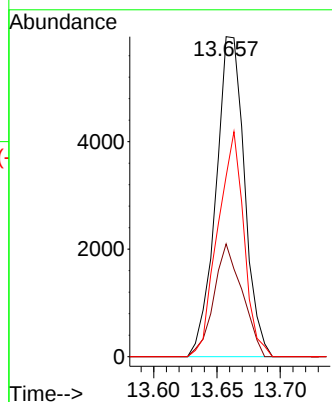
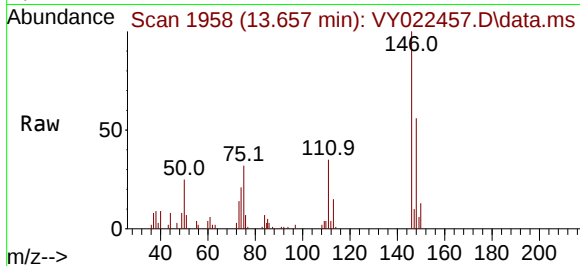




#91
1,2-Dichlorobenzene
Concen: 2.590 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.000 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

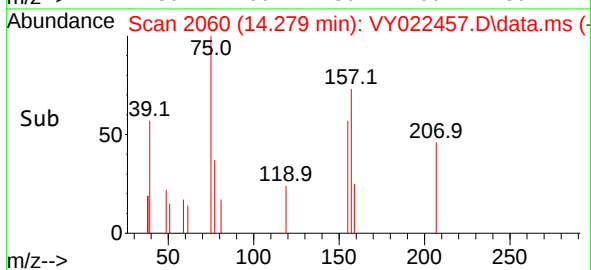
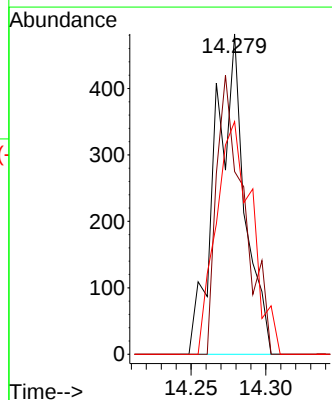
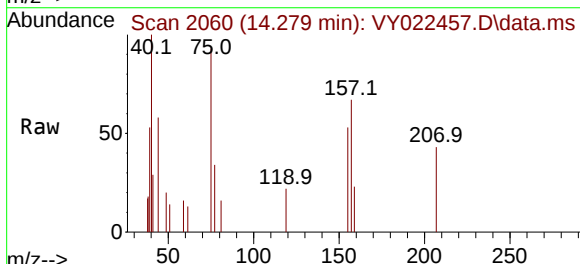
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

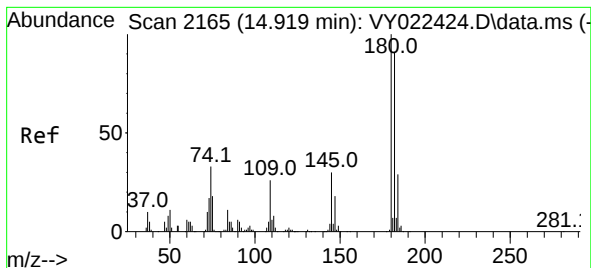
Tgt Ion:146	Resp:	9358
Ion Ratio	Lower	Upper
146	100	
111	35.0	20.5 61.6
148	64.4	31.9 95.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.718 ug/l
RT: 14.279 min Scan# 2060
Delta R.T. 0.006 min
Lab File: VY022457.D
Acq: 29 May 2025 10:53

Tgt Ion: 75	Resp:	661
Ion Ratio	Lower	Upper
75	100	
155	80.2	42.3 126.8
157	87.7	54.4 163.3





#93

1,2,4-Trichlorobenzene

Concen: 2.461 ug/l

RT: 14.925 min Scan# 2166

Delta R.T. 0.006 min

Lab File: VY022457.D

Acq: 29 May 2025 10:53

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

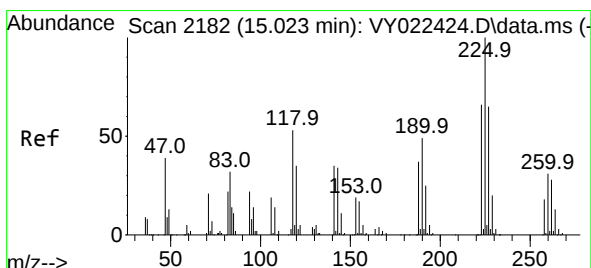
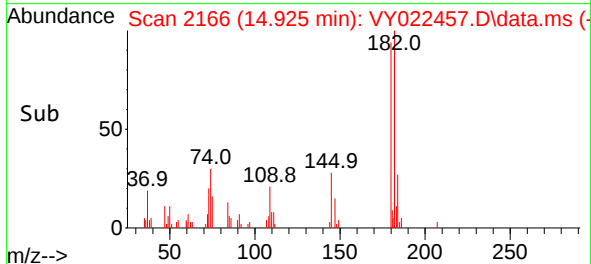
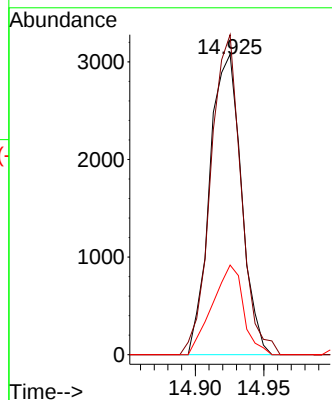
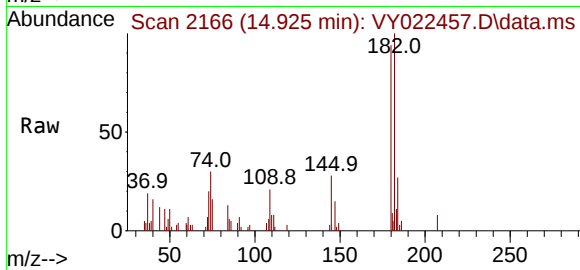
Tgt Ion:180 Resp: 4930

Ion Ratio Lower Upper

180 100

182 102.0 46.2 138.6

145 29.4 14.2 42.8



#94

Hexachlorobutadiene

Concen: 2.646 ug/l

RT: 15.017 min Scan# 2181

Delta R.T. -0.006 min

Lab File: VY022457.D

Acq: 29 May 2025 10:53

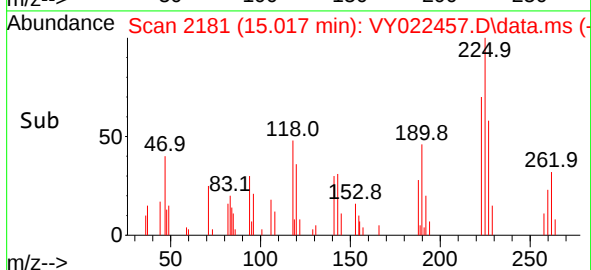
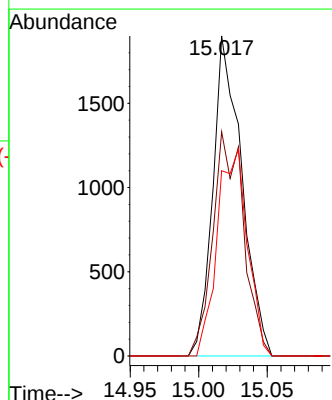
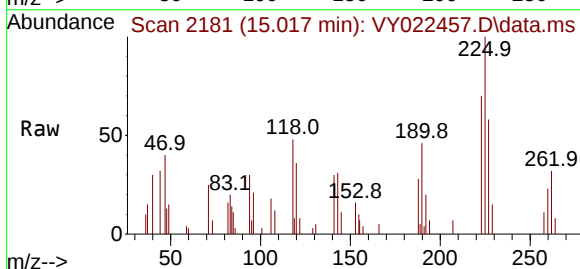
Tgt Ion:225 Resp: 2781

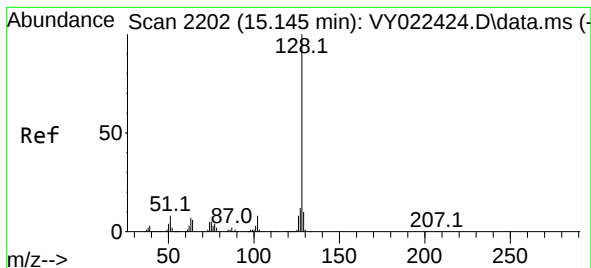
Ion Ratio Lower Upper

225 100

223 74.4 32.6 97.7

227 67.8 33.0 99.0





#95

Naphthalene

Concen: 2.417 ug/l

RT: 15.145 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY022457.D

Acq: 29 May 2025 10:53

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

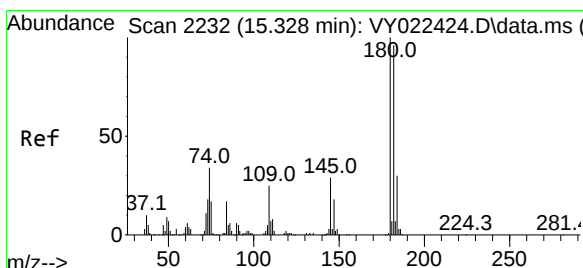
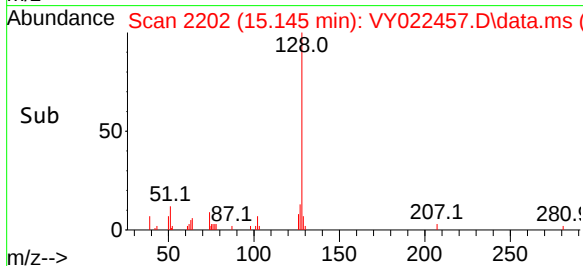
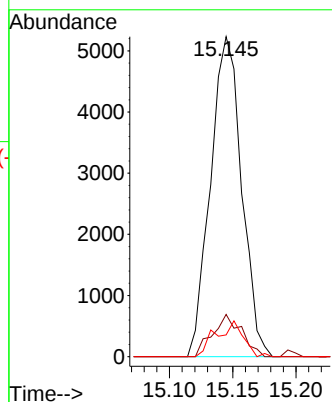
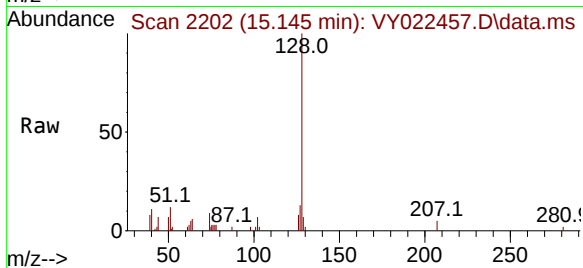
Tgt Ion:128 Resp: 8951

Ion Ratio Lower Upper

128 100

127 12.4 10.2 15.4

129 9.8 8.5 12.7



#96

1,2,3-Trichlorobenzene

Concen: 2.723 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. -0.000 min

Lab File: VY022457.D

Acq: 29 May 2025 10:53

Tgt Ion:180 Resp: 4474

Ion Ratio Lower Upper

180 100

182 90.0 48.1 144.3

145 33.4 14.9 44.5

