

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

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

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

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	201989	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	354437	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	292130	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	127398	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	113238	53.224	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.440%	
35) Dibromofluoromethane	7.640	113	102892	49.570	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.140%	
50) Toluene-d8	10.109	98	418106	49.412	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.820%	
62) 4-Bromofluorobenzene	12.408	95	118499	46.297	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 92.600%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.867	85	8578	4.451	ug/l	99
3) Chloromethane	2.068	50	26424	5.574	ug/l	98
4) Vinyl Chloride	2.208	62	29205	5.072	ug/l	99
5) Bromomethane	2.598	94	27194	5.197	ug/l	93
6) Chloroethane	2.732	64	18850	5.009	ug/l	96
7) Trichlorofluoromethane	3.056	101	23564	4.850	ug/l	95
8) Diethyl Ether	3.458	74	5420	4.838	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.818	101	11007	5.164	ug/l	97
10) Methyl Iodide	4.007	142	8822	3.668	ug/l	95
11) Tert butyl alcohol	4.872	59	2072	13.816	ug/l	100
12) 1,1-Dichloroethene	3.787	96	9458	4.469	ug/l	89
13) Acrolein	3.659	56	4665	20.761	ug/l	88
14) Allyl chloride	4.391	41	14248	4.476	ug/l	96
15) Acrylonitrile	5.067	53	10156	22.490	ug/l	97
16) Acetone	3.879	43	8960	25.629	ug/l	92
17) Carbon Disulfide	4.110	76	30446	4.508	ug/l #	93
18) Methyl Acetate	4.397	43	5621	4.292	ug/l #	73
19) Methyl tert-butyl Ether	5.128	73	25226	4.490	ug/l #	89
20) Methylene Chloride	4.622	84	13353	5.409	ug/l	95
21) trans-1,2-Dichloroethene	5.122	96	10690	4.627	ug/l	87
22) Diisopropyl ether	6.018	45	31008	4.413	ug/l #	91
23) Vinyl Acetate	5.964	43	85441	21.179	ug/l	98
24) 1,1-Dichloroethane	5.921	63	18061	4.350	ug/l	97
25) 2-Butanone	6.908	43	12669	21.759	ug/l #	87
26) 2,2-Dichloropropane	6.896	77	16071	4.275	ug/l	100
27) cis-1,2-Dichloroethene	6.902	96	12239	4.576	ug/l	96
28) Bromochloromethane	7.250	49	7917	4.567	ug/l	98
29) Tetrahydrofuran	7.262	42	8823	22.721	ug/l	95
30) Chloroform	7.421	83	18625	4.553	ug/l	96
31) Cyclohexane	7.707	56	23741	5.801	ug/l #	89
32) 1,1,1-Trichloroethane	7.622	97	16426	4.424	ug/l	96
36) 1,1-Dichloropropene	7.835	75	14377	4.365	ug/l	98
37) Ethyl Acetate	6.988	43	6752	4.824	ug/l #	95
38) Carbon Tetrachloride	7.817	117	14347	4.181	ug/l	94
39) Methylcyclohexane	9.109	83	20813	4.754	ug/l	96
40) Benzene	8.079	78	43399	4.428	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.268	41	5426	6.387	ug/l #	51
42) 1,2-Dichloroethane	8.158	62	11561	4.466	ug/l	100
43) Isopropyl Acetate	8.201	43	12947	4.233	ug/l	96
44) Trichloroethene	8.872	130	10496	4.332	ug/l	100
45) 1,2-Dichloropropane	9.140	63	9972	4.330	ug/l	94
46) Dibromomethane	9.231	93	5376	4.179	ug/l	94
47) Bromodichloromethane	9.426	83	13831	4.181	ug/l	95
48) Methyl methacrylate	9.219	41	5816	4.096	ug/l	93
49) 1,4-Dioxane	9.237	88	1357	95.507	ug/l #	89
51) 4-Methyl-2-Pentanone	9.999	43	29539	19.572	ug/l	100
52) Toluene	10.176	92	25784	4.212	ug/l	98
53) t-1,3-Dichloropropene	10.402	75	11891	3.859	ug/l	90
54) cis-1,3-Dichloropropene	9.853	75	14560	4.021	ug/l	95
55) 1,1,2-Trichloroethane	10.572	97	6805	4.184	ug/l	97
56) Ethyl methacrylate	10.444	69	8936	3.829	ug/l	96
57) 1,3-Dichloropropane	10.719	76	12164	4.244	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.713	63	23230	19.971	ug/l	99
59) 2-Hexanone	10.761	43	19039	19.249	ug/l	100
60) Dibromochloromethane	10.914	129	8582	4.131	ug/l	93
61) 1,2-Dibromoethane	11.018	107	6316	4.246	ug/l	98
64) Tetrachloroethene	10.646	164	11220	4.510	ug/l	97
65) Chlorobenzene	11.444	112	27268	4.378	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.517	131	8631	4.090	ug/l	95
67) Ethyl Benzene	11.517	91	48002	4.150	ug/l	97
68) m/p-Xylenes	11.627	106	35996	8.209	ug/l	98
69) o-Xylene	11.956	106	16896	4.100	ug/l	98
70) Styrene	11.969	104	27403	3.993	ug/l	97
71) Bromoform	12.133	173	4227	3.824	ug/l #	98
73) Isopropylbenzene	12.255	105	45607	4.549	ug/l	100
74) N-amyl acetate	12.072	43	10334	4.212	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	6806	4.308	ug/l	97
76) 1,2,3-Trichloropropane	12.560	75	9708	7.608	ug/l #	100
77) Bromobenzene	12.529	156	9715	4.502	ug/l	98
78) n-propylbenzene	12.596	91	56627	4.706	ug/l	99
79) 2-Chlorotoluene	12.682	91	29813	4.577	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	36238	4.626	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	2236	3.963	ug/l	98
82) 4-Chlorotoluene	12.779	91	31110	4.637	ug/l	98
83) tert-Butylbenzene	12.999	119	34440	4.866	ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	35640	4.521	ug/l	98
85) sec-Butylbenzene	13.176	105	51105	4.868	ug/l	100
86) p-Isopropyltoluene	13.291	119	39893	4.551	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	19083	4.395	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	19587	4.718	ug/l	88
89) n-Butylbenzene	13.621	91	39214	4.771	ug/l	99
90) Hexachloroethane	13.883	117	8894	5.099	ug/l	97
91) 1,2-Dichlorobenzene	13.663	146	16643	4.590	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	1166	4.777	ug/l	92
93) 1,2,4-Trichlorobenzene	14.919	180	10009	4.979	ug/l	96
94) Hexachlorobutadiene	15.023	225	6457	6.120	ug/l	94
95) Naphthalene	15.145	128	15989	4.302	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	8206	4.977	ug/l	96

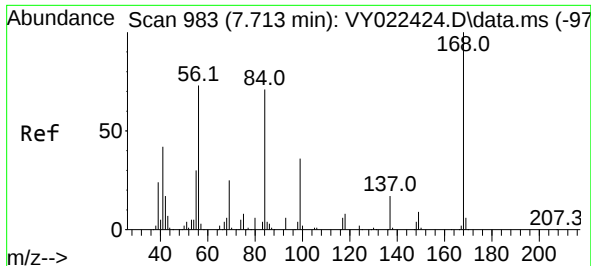
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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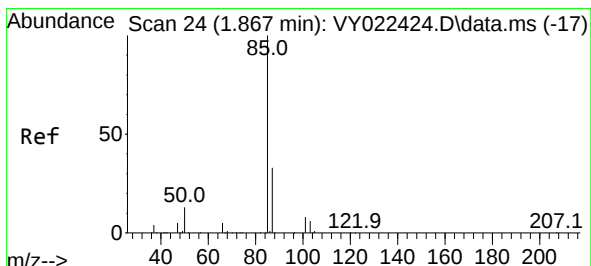
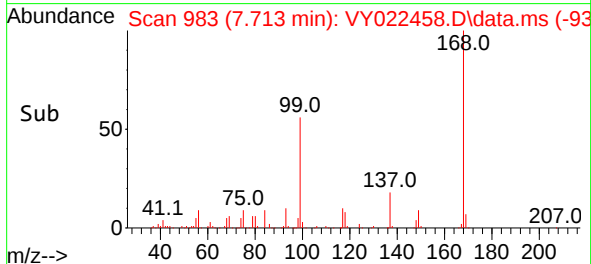
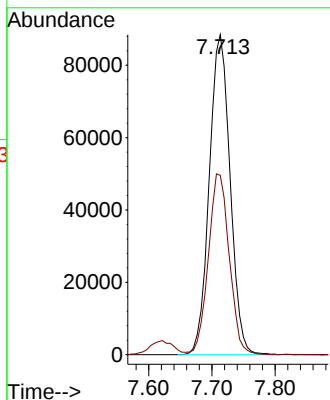
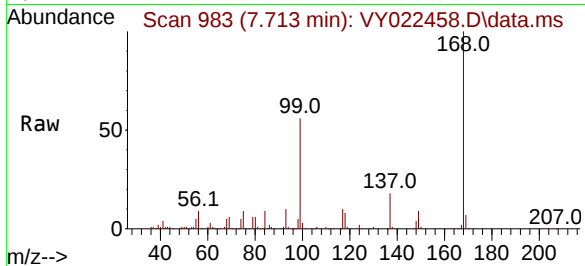
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022458.D
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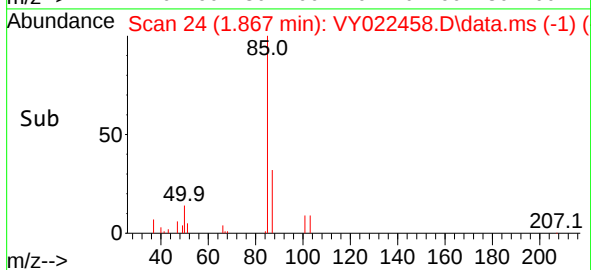
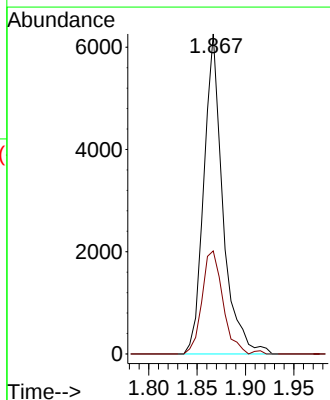
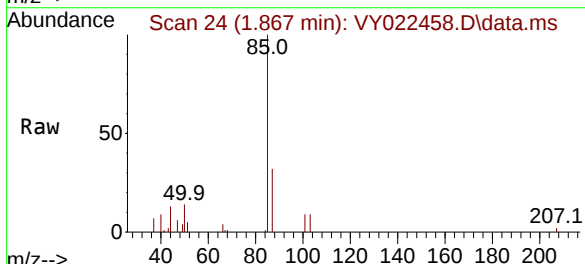
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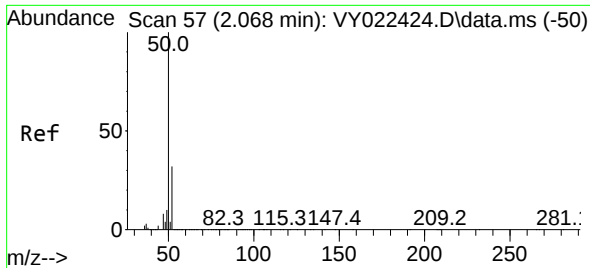
Tgt Ion:168 Resp: 201989
Ion Ratio Lower Upper
168 100
99 56.0 44.7 67.1



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

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

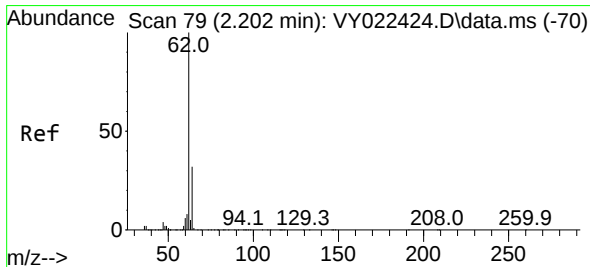
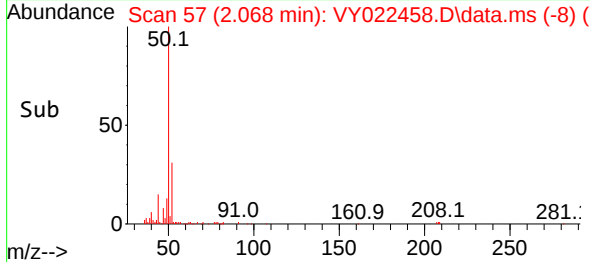
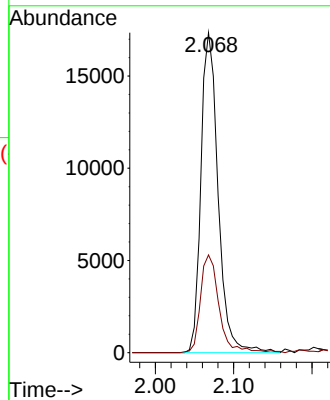
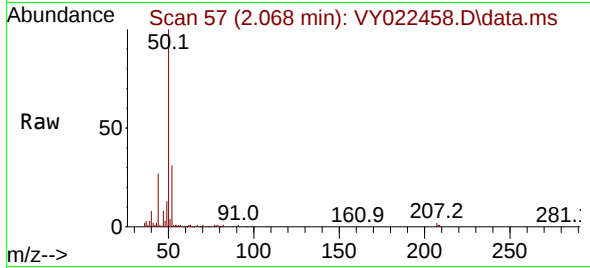




#3
Chloromethane
Concen: 5.574 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

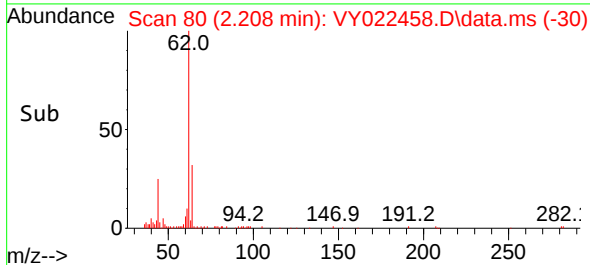
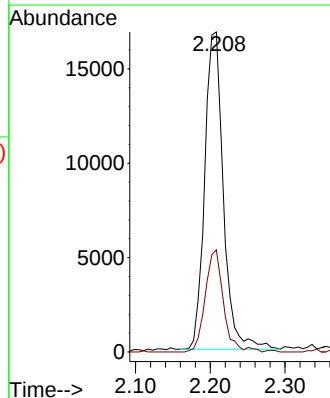
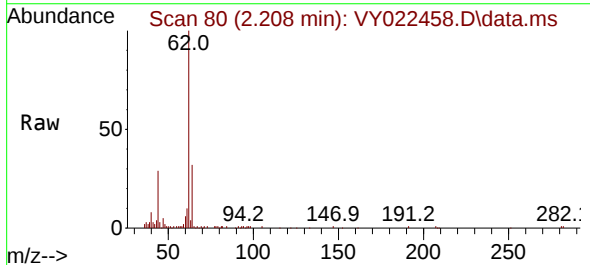
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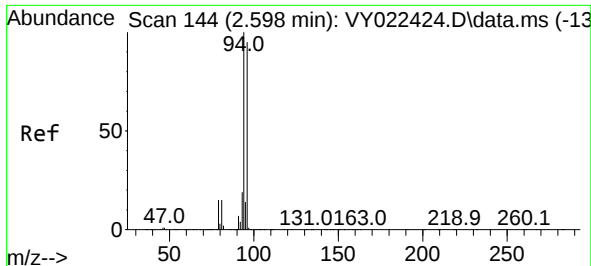
Tgt Ion: 50 Resp: 26424
Ion Ratio Lower Upper
50 100
52 30.6 25.5 38.3



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

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

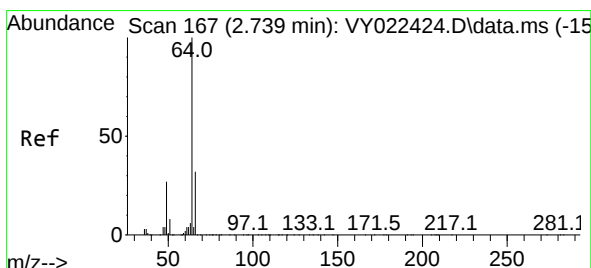
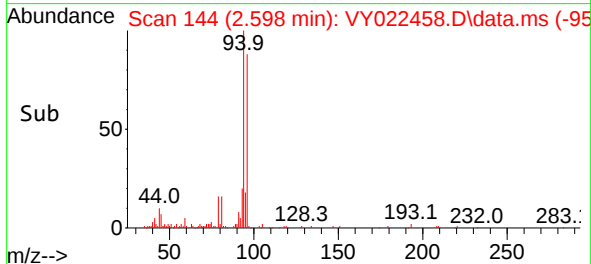
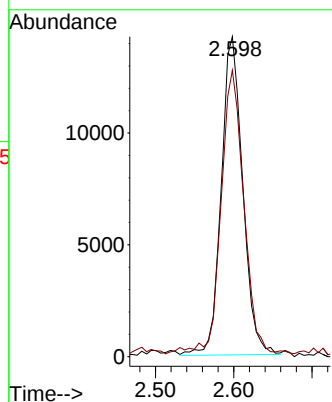
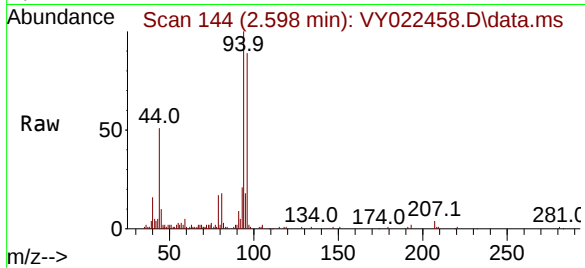




#5
Bromomethane
Concen: 5.197 ug/l
RT: 2.598 min Scan# 144
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

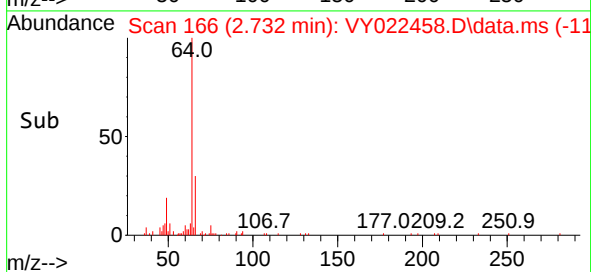
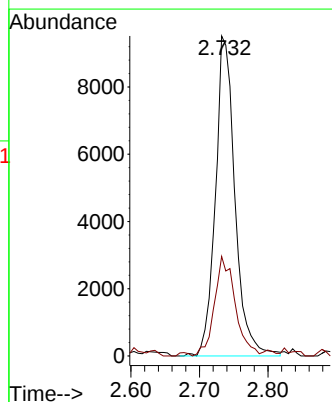
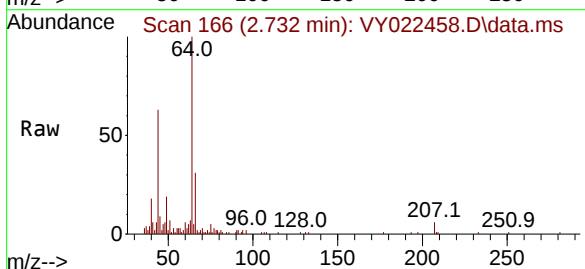
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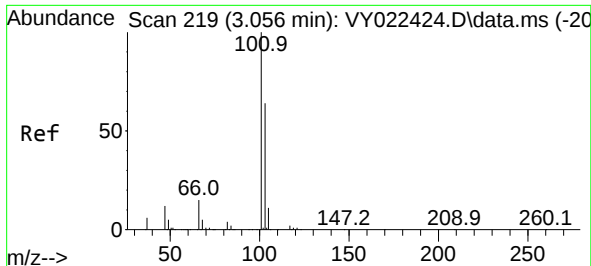
Tgt Ion: 94 Resp: 27194
Ion Ratio Lower Upper
94 100
96 88.3 76.0 114.0



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

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

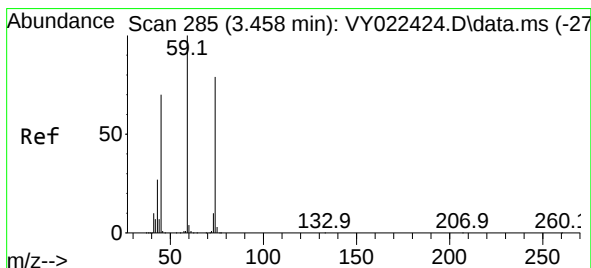
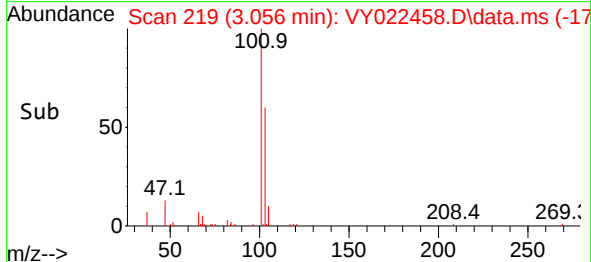
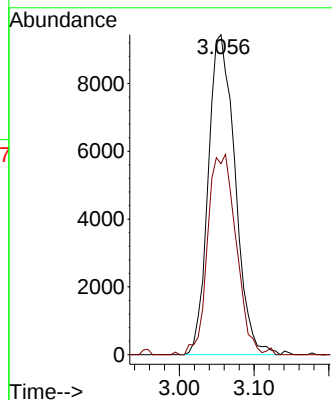
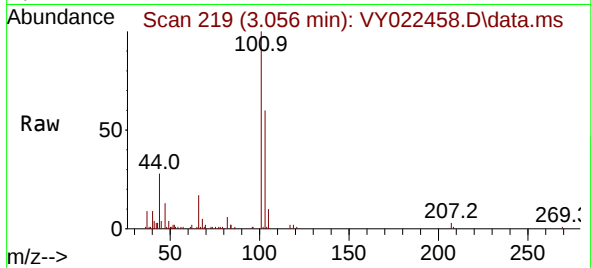




#7
 Trichlorofluoromethane
 Concen: 4.850 ug/l
 RT: 3.056 min Scan# 219
 Delta R.T. 0.000 min
 Lab File: VY022458.D
 Acq: 29 May 2025 11:38

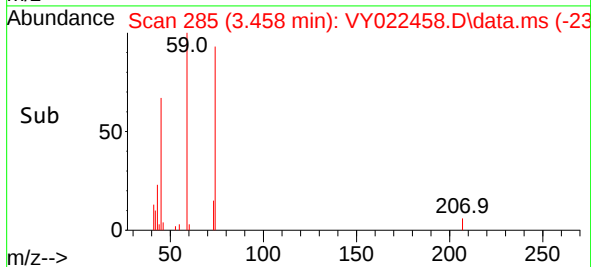
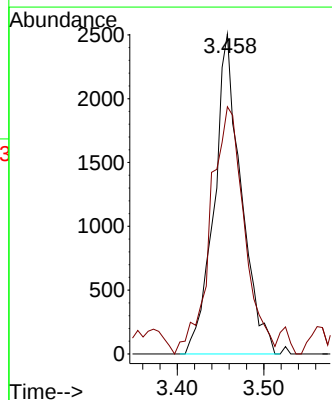
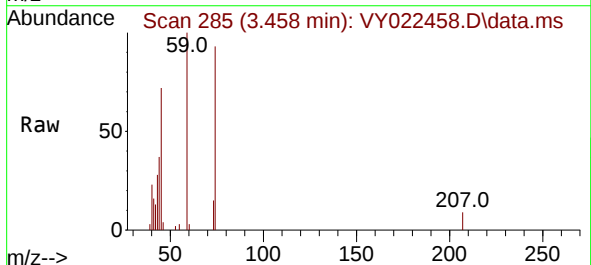
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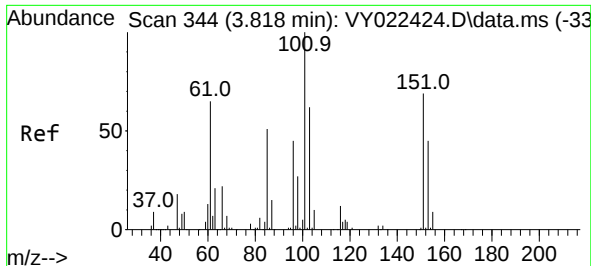
Tgt Ion:101 Resp: 23564
 Ion Ratio Lower Upper
 101 100
 103 59.7 50.9 76.3



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

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

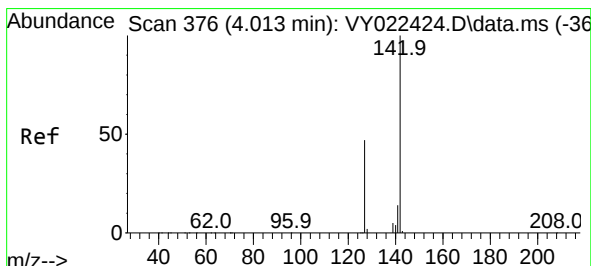
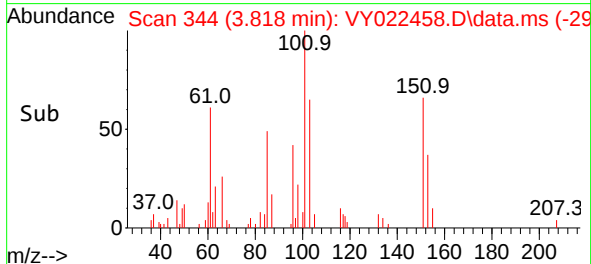
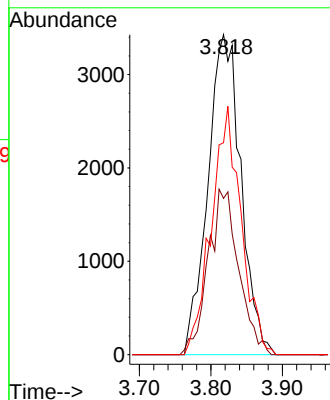
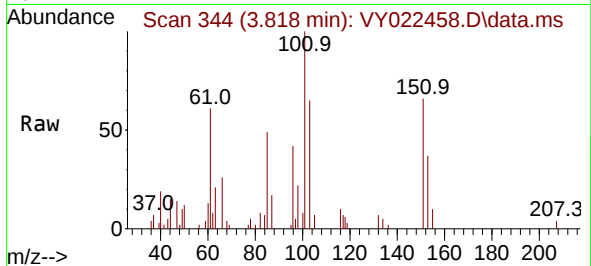




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.164 ug/l
RT: 3.818 min Scan# 344
Delta R.T. 0.000 min
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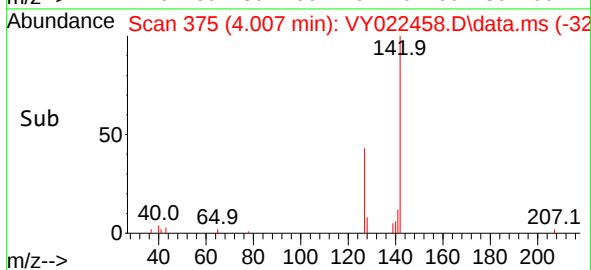
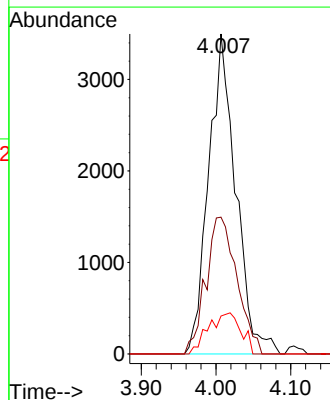
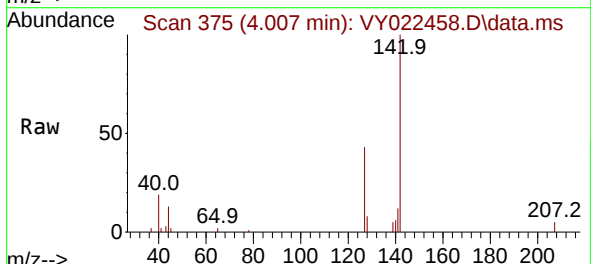
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

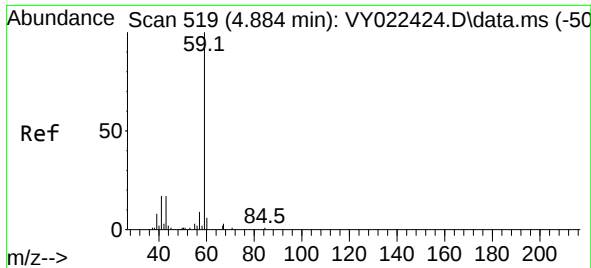
Tgt Ion:	101	Resp:	11007
Ion	Ratio	Lower	Upper
101	100		
85	47.8	39.2	58.8
151	69.9	58.8	88.2



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

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

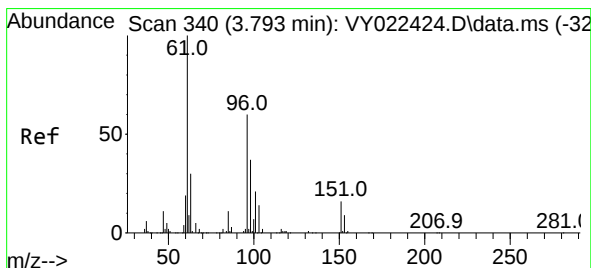
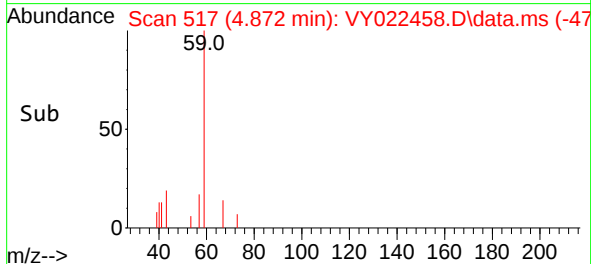
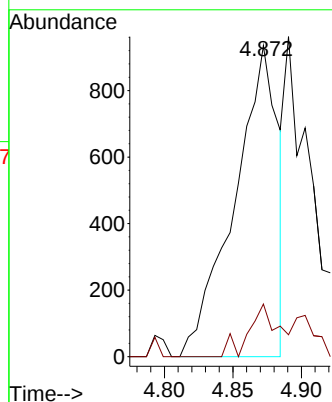
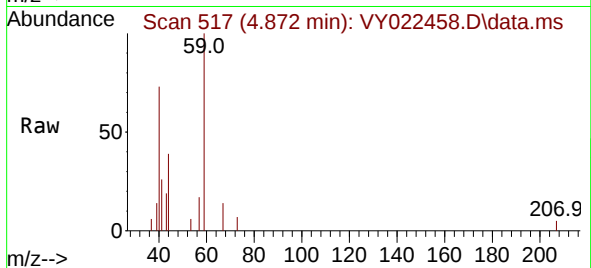




#11
Tert butyl alcohol
Concen: 13.816 ug/l
RT: 4.872 min Scan# 517
Delta R.T. -0.012 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

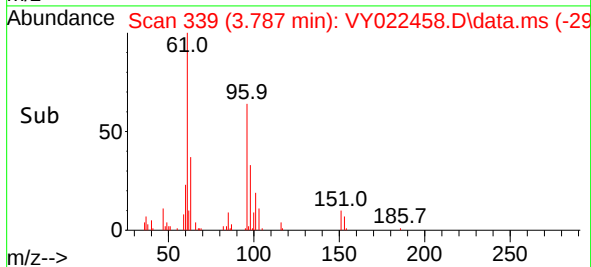
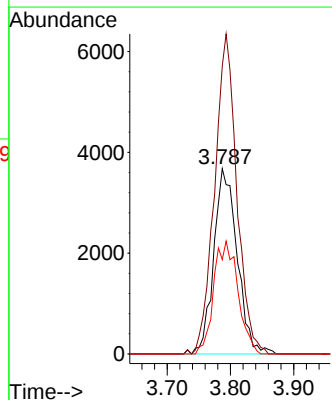
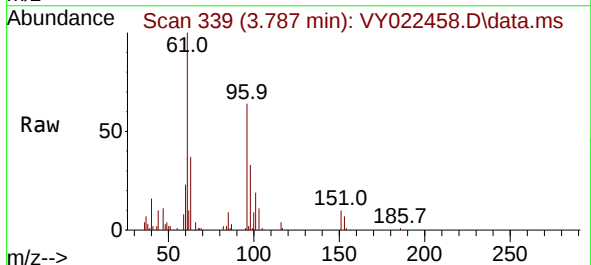
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

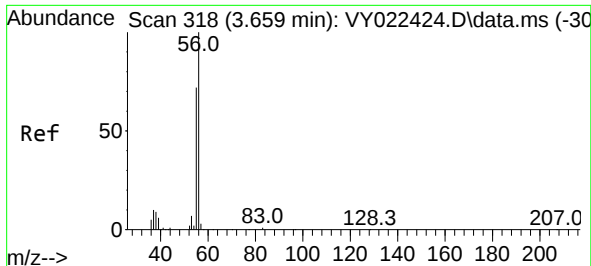
Tgt Ion: 59 Resp: 2072
Ion Ratio Lower Upper
59 100
57 11.2 9.1 13.7



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

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

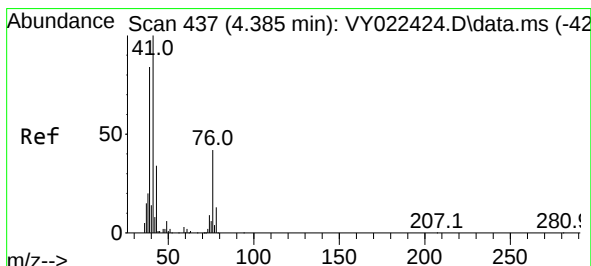
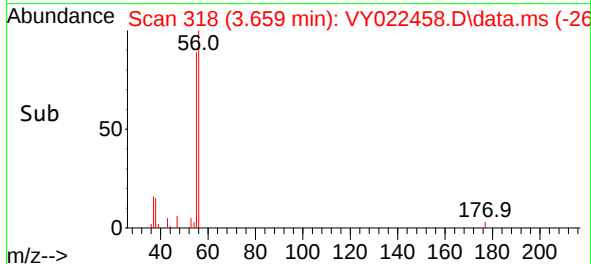
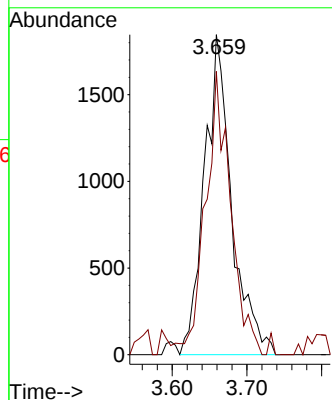
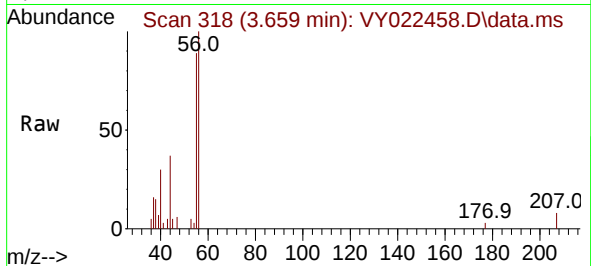




#13
Acrolein
Concen: 20.761 ug/l
RT: 3.659 min Scan# 318
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

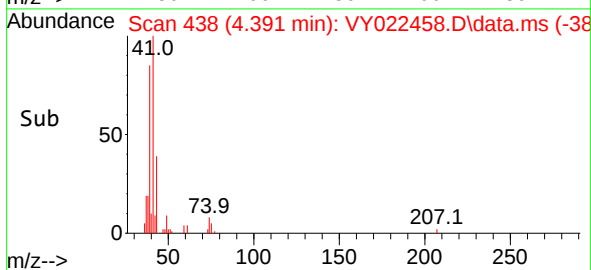
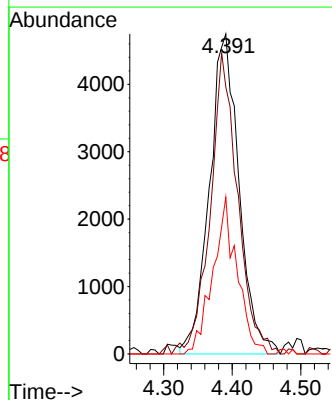
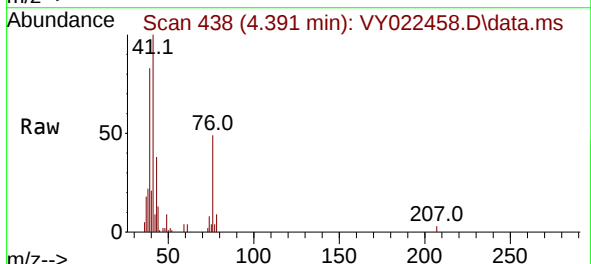
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

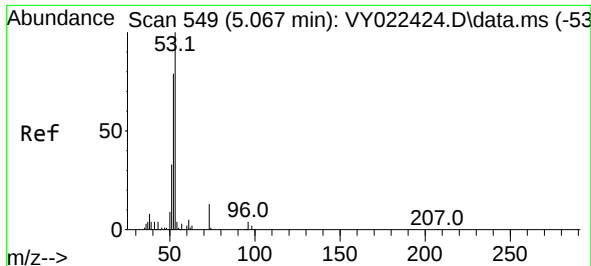
Tgt Ion: 56 Resp: 4665
Ion Ratio Lower Upper
56 100
55 80.9 56.5 84.7



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

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

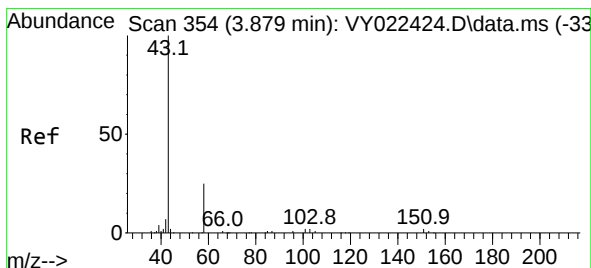
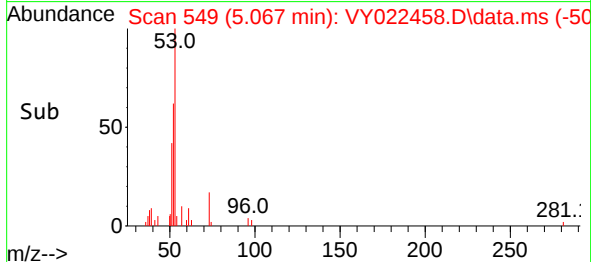
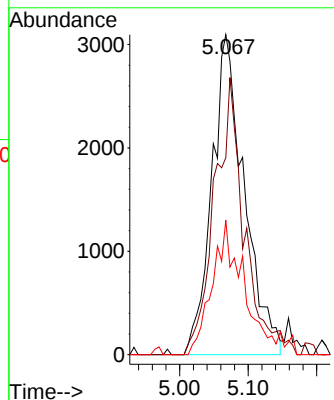
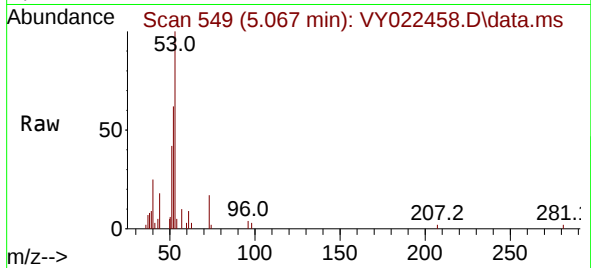




#15
Acrylonitrile
Concen: 22.490 ug/l
RT: 5.067 min Scan# 549
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

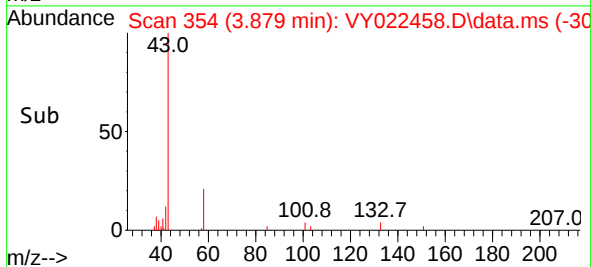
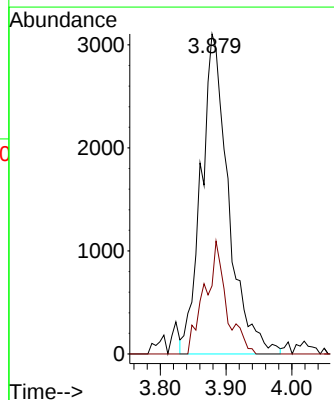
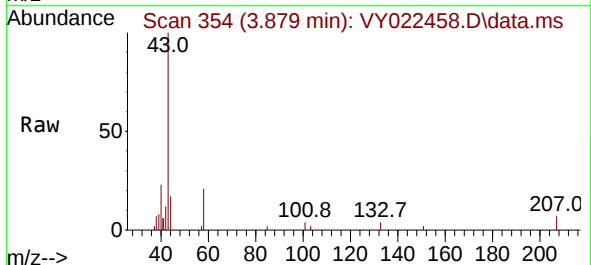
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

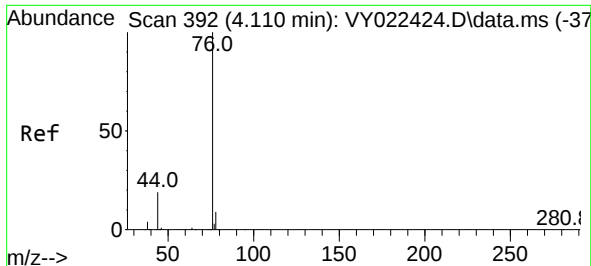
Tgt Ion: 53 Resp: 10156
Ion Ratio Lower Upper
53 100
52 79.7 65.1 97.7
51 40.2 30.0 45.0



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

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





#17

Carbon Disulfide

Concen: 4.508 ug/l

RT: 4.110 min Scan# 392

Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

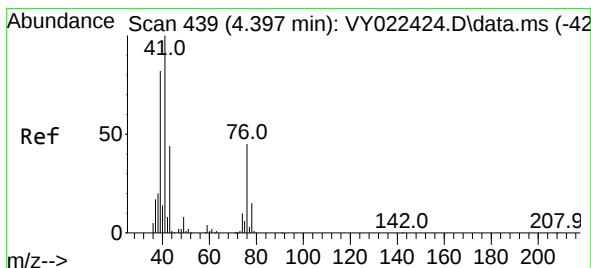
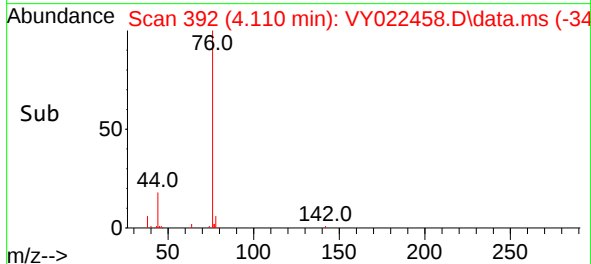
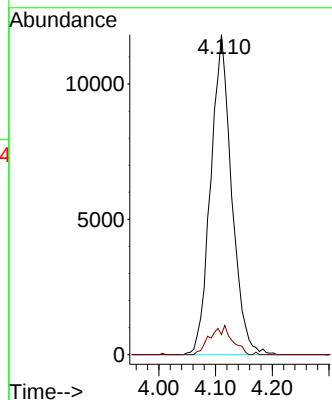
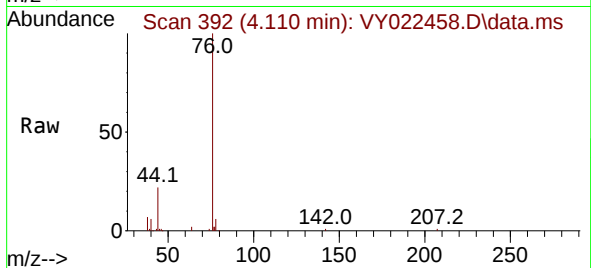
MDL-SOIL-03-QT2-2025

Tgt Ion: 76 Resp: 30446

Ion Ratio Lower Upper

76 100

78 6.3 7.2 10.8#



#18

Methyl Acetate

Concen: 4.292 ug/l

RT: 4.397 min Scan# 439

Delta R.T. 0.000 min

Lab File: VY022458.D

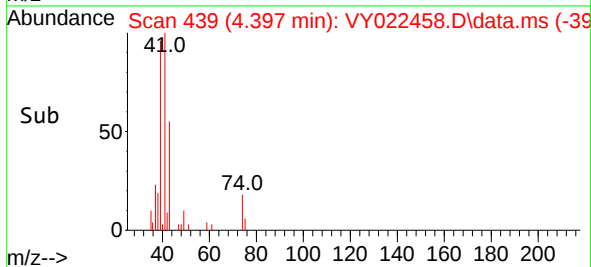
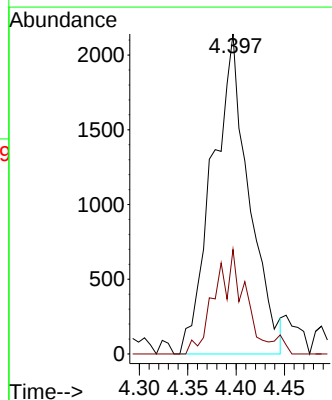
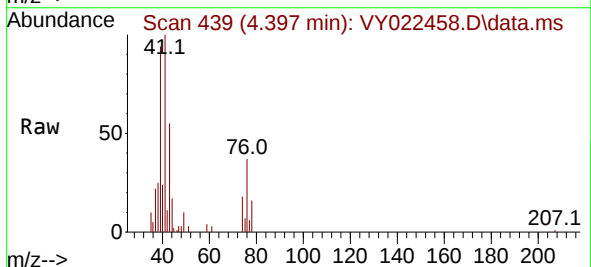
Acq: 29 May 2025 11:38

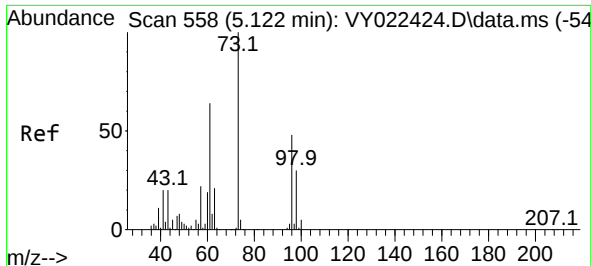
Tgt Ion: 43 Resp: 5621

Ion Ratio Lower Upper

43 100

74 12.9 21.2 31.8#

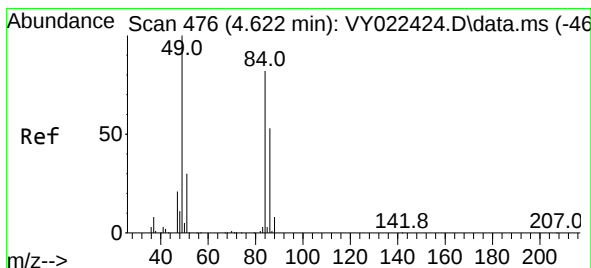
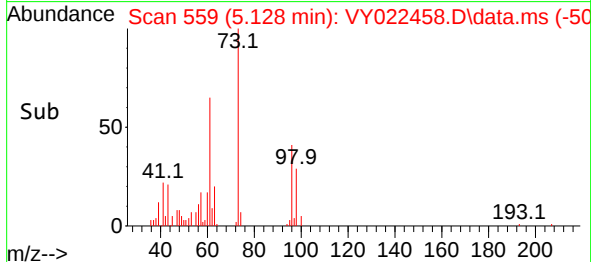
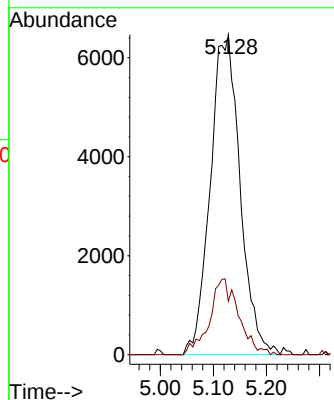
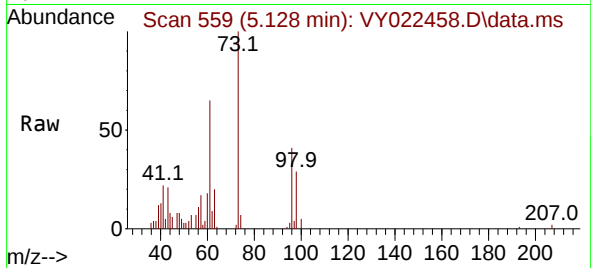




#19
Methyl tert-butyl Ether
Concen: 4.490 ug/l
RT: 5.128 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

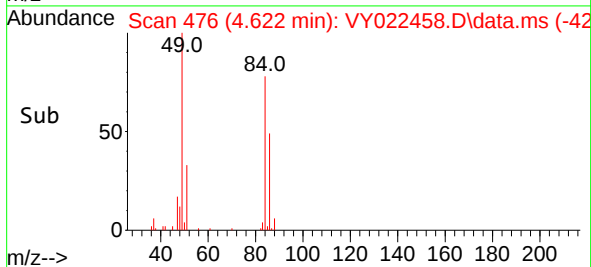
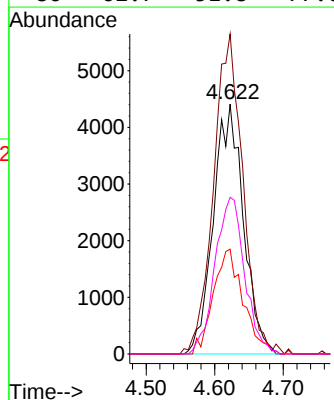
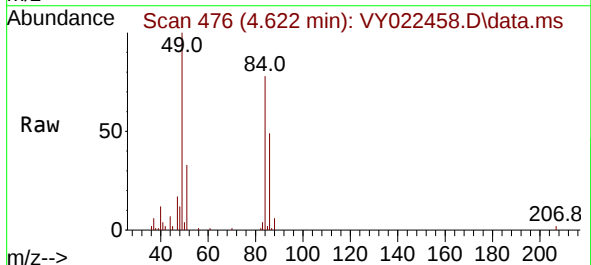
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

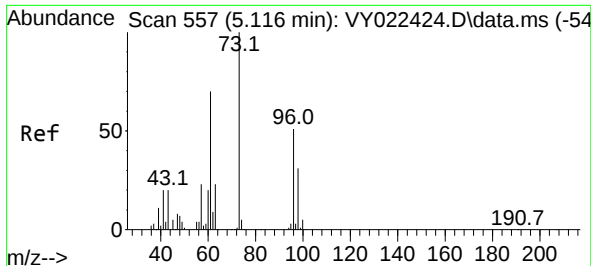
Tgt Ion: 73 Resp: 25226
Ion Ratio Lower Upper
73 100
57 16.7 17.7 26.5#



#20
Methylene Chloride
Concen: 5.409 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

Tgt Ion: 84 Resp: 13353
Ion Ratio Lower Upper
84 100
49 128.2 97.8 146.8
51 42.0 29.5 44.3
86 62.7 51.8 77.6

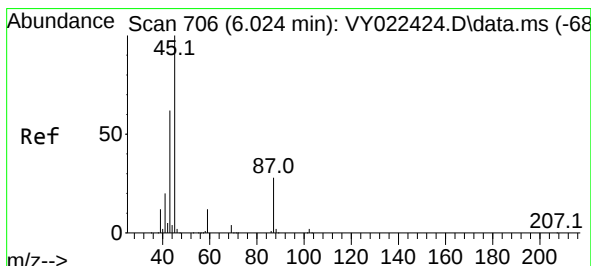
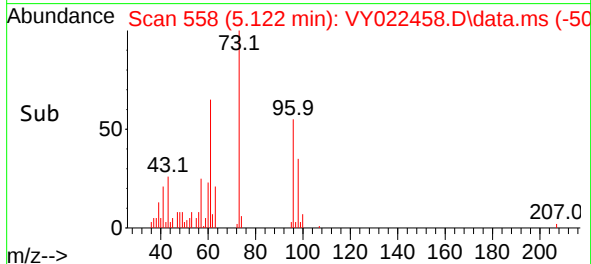
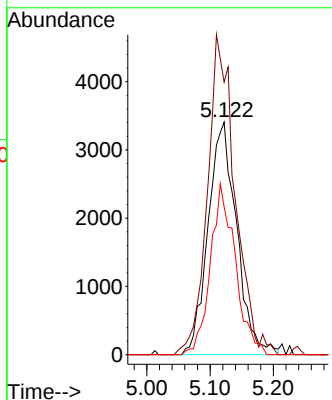
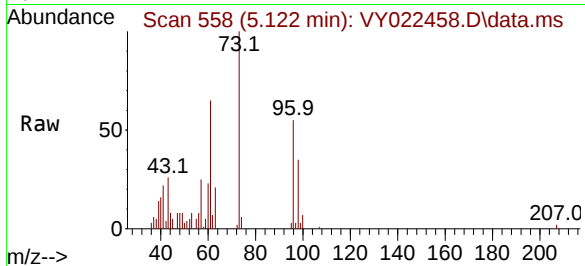




#21
trans-1,2-Dichloroethene
Concen: 4.627 ug/l
RT: 5.122 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

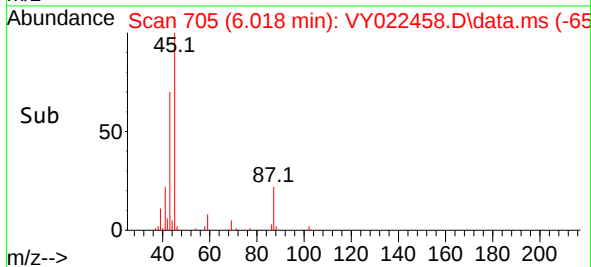
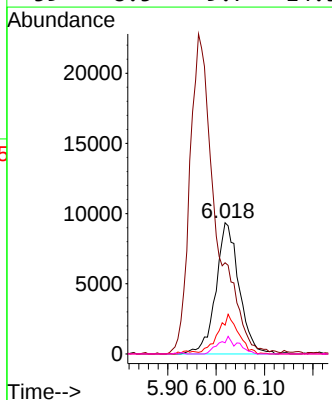
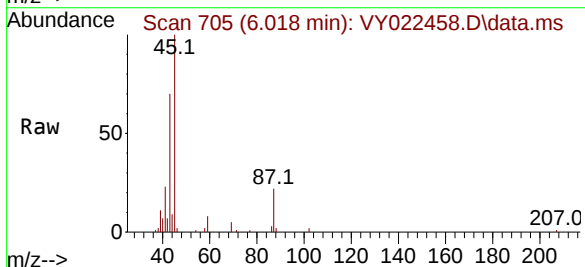
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

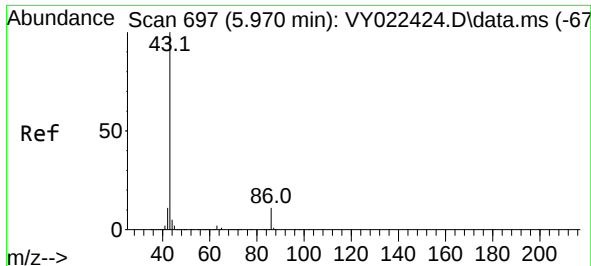
Tgt Ion: 96 Resp: 10690
Ion Ratio Lower Upper
96 100
61 117.3 110.4 165.6
98 63.7 48.6 73.0



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

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

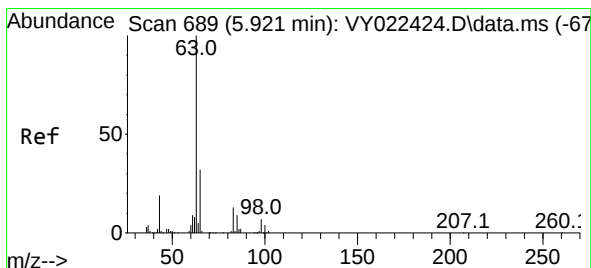
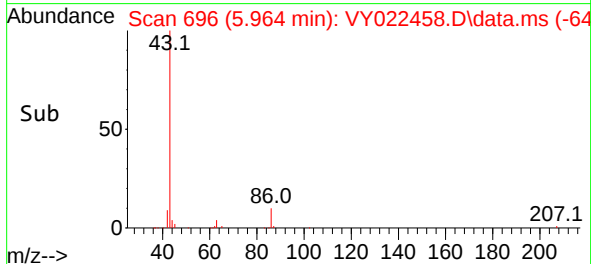
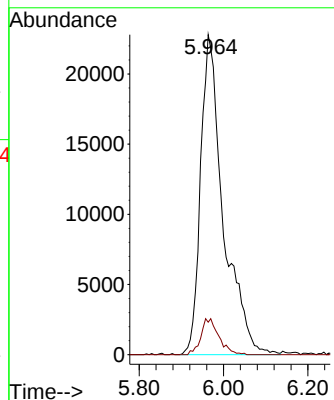
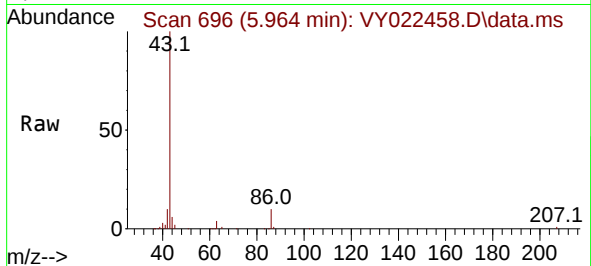




#23
 Vinyl Acetate
 Concen: 21.179 ug/l
 RT: 5.964 min Scan# 696
 Delta R.T. -0.006 min
 Lab File: VY022458.D
 Acq: 29 May 2025 11:38

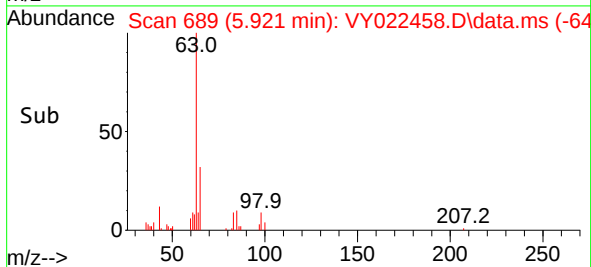
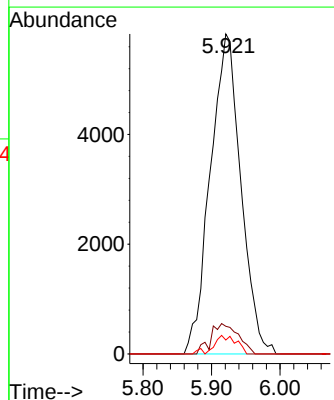
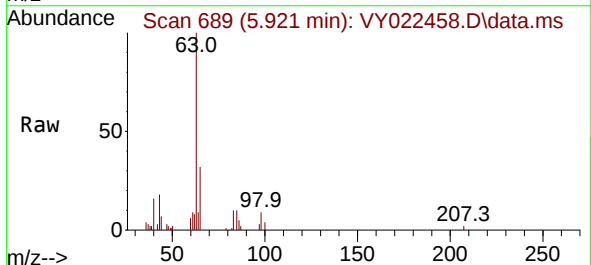
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2025

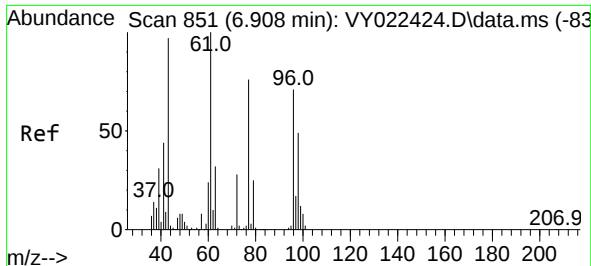
Tgt Ion: 43 Resp: 85441
 Ion Ratio Lower Upper
 43 100
 86 10.2 8.8 13.2



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

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

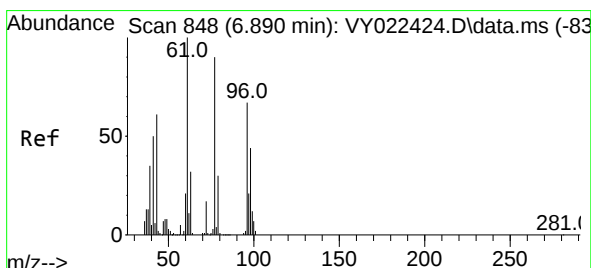
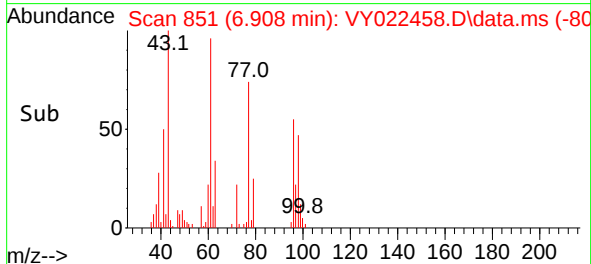
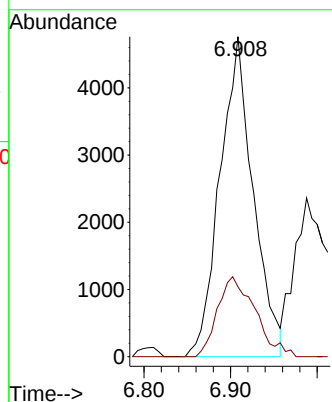
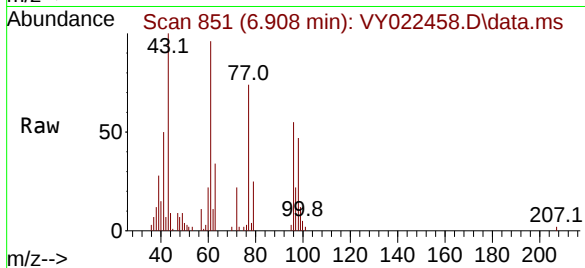




#25
2-Butanone
Concen: 21.759 ug/l
RT: 6.908 min Scan# 851
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

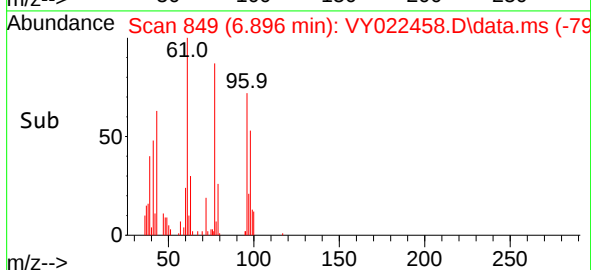
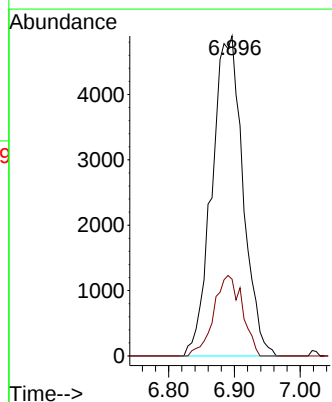
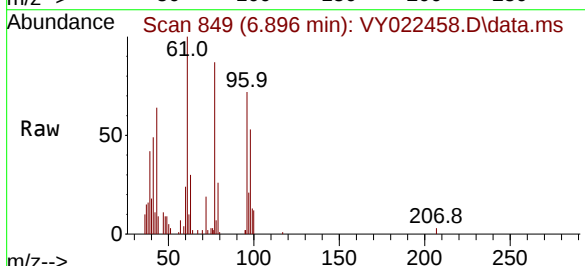
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

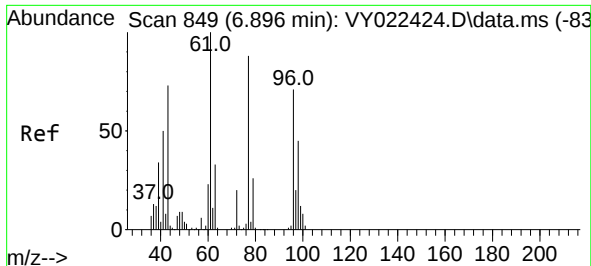
Tgt Ion: 43 Resp: 12669
Ion Ratio Lower Upper
43 100
72 21.9 22.8 34.2#



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

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





#27

cis-1,2-Dichloroethene

Concen: 4.576 ug/l

RT: 6.902 min Scan# 849

Delta R.T. 0.006 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

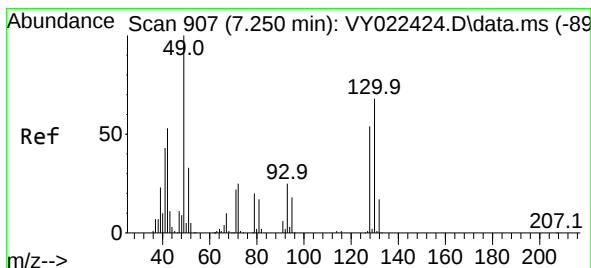
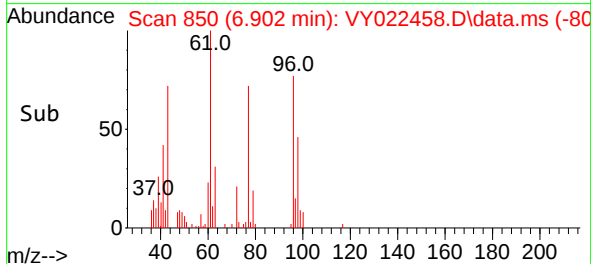
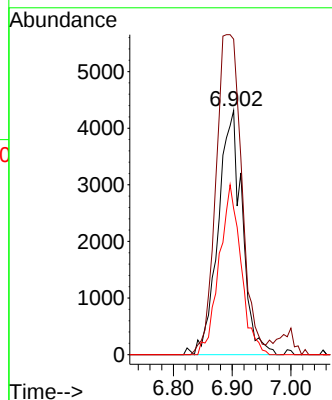
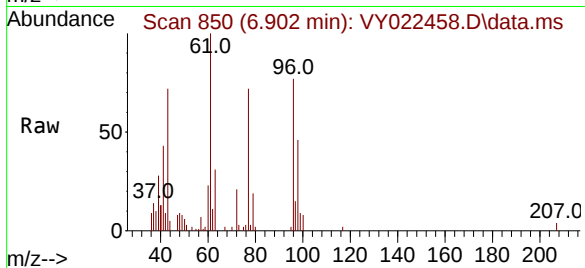
Tgt Ion: 96 Resp: 12239

Ion Ratio Lower Upper

96 100

61 140.8 0.0 292.0

98 63.2 0.0 131.0



#28

Bromochloromethane

Concen: 4.567 ug/l

RT: 7.250 min Scan# 907

Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

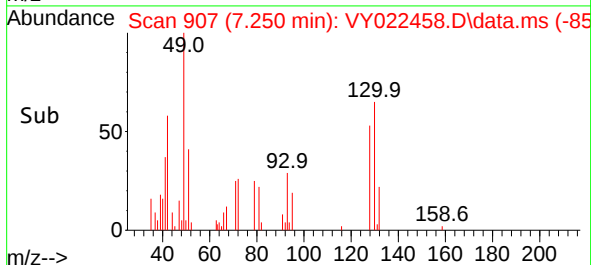
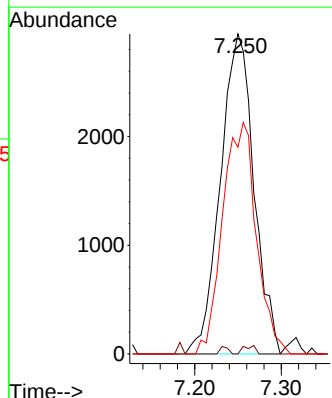
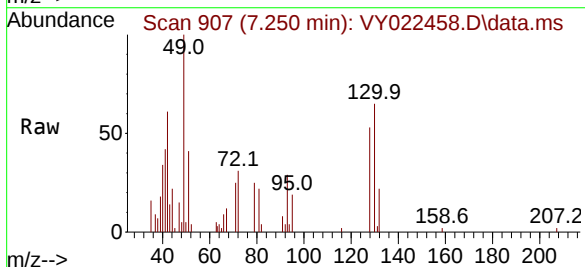
Tgt Ion: 49 Resp: 7917

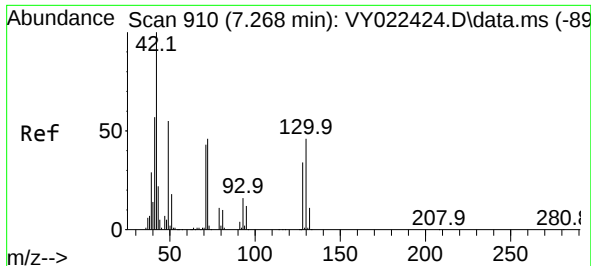
Ion Ratio Lower Upper

49 100

129 0.9 0.0 4.0

130 72.7 56.9 85.3

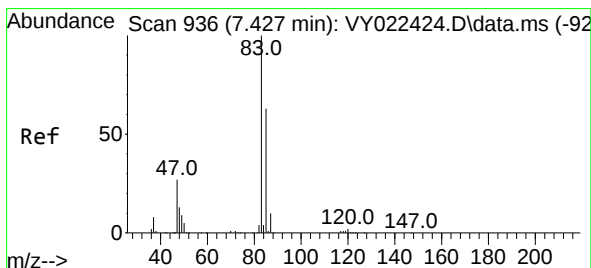
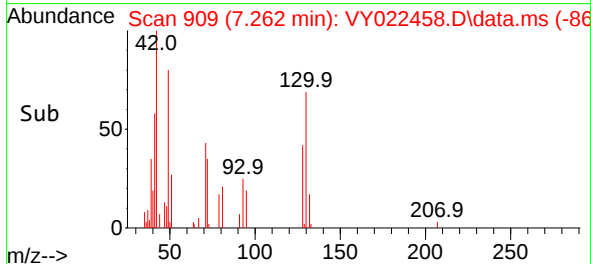
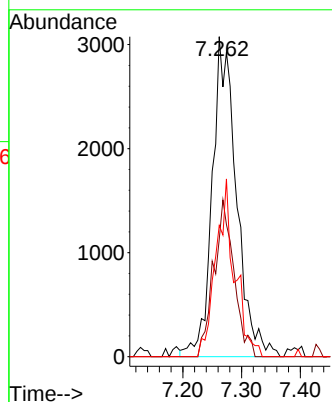
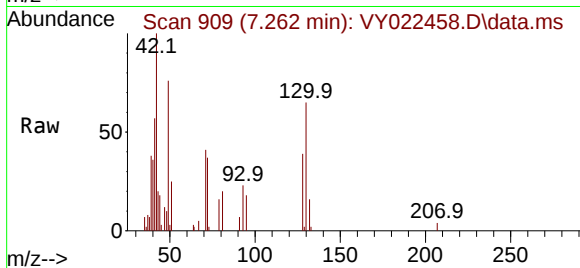




#29
Tetrahydrofuran
Concen: 22.721 ug/l
RT: 7.262 min Scan# 909
Delta R.T. -0.006 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

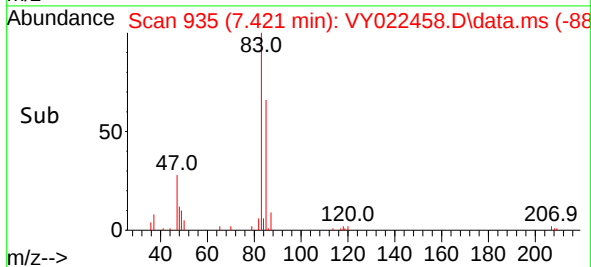
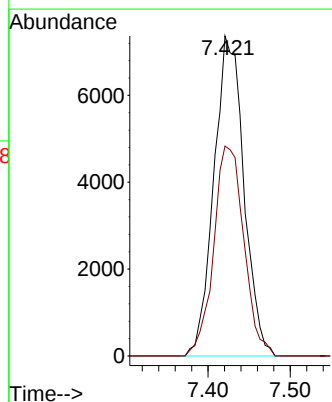
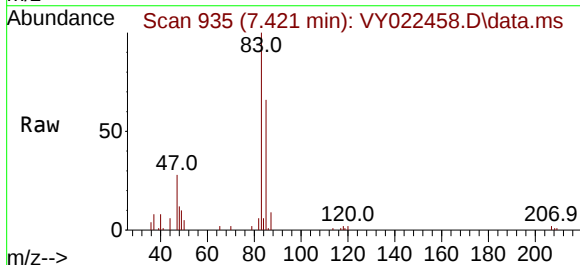
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

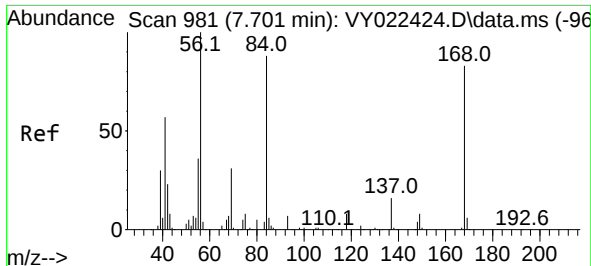
Tgt Ion: 42 Resp: 8823
Ion Ratio Lower Upper
42 100
72 40.9 37.7 56.5
71 43.2 34.7 52.1



#30
Chloroform
Concen: 4.553 ug/l
RT: 7.421 min Scan# 935
Delta R.T. -0.006 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

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

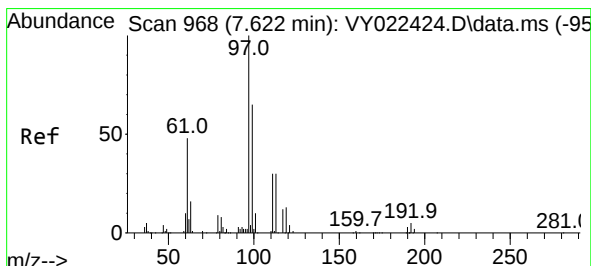
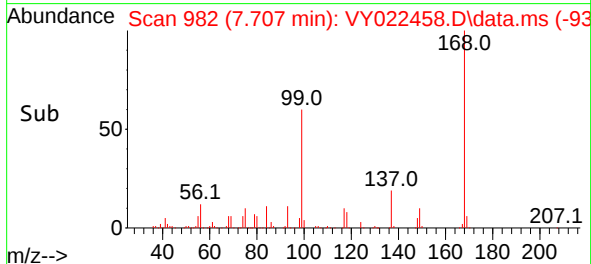
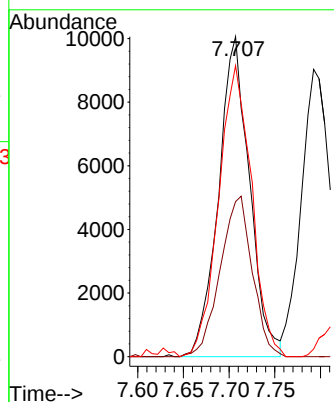
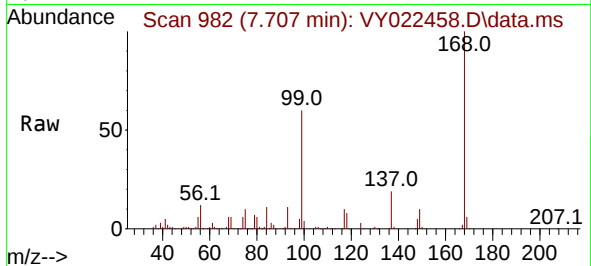




#31
Cyclohexane
Concen: 5.801 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

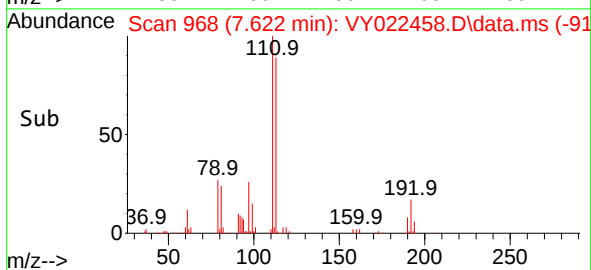
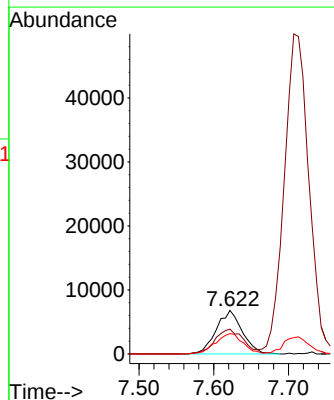
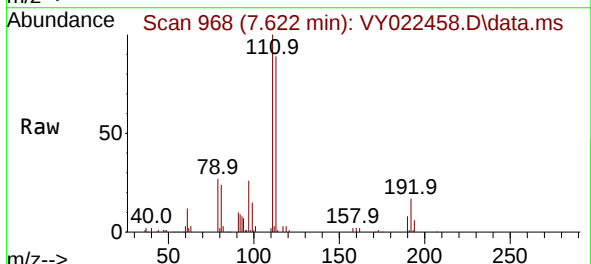
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

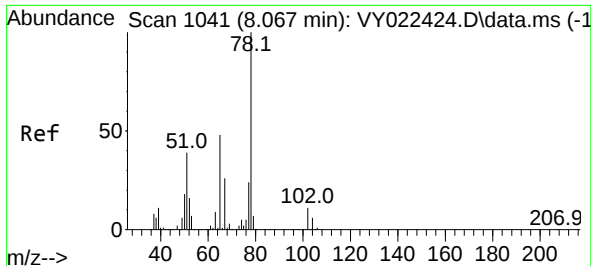
Tgt Ion: 56 Resp: 23741
Ion Ratio Lower Upper
56 100
69 48.5 24.6 36.8#
84 90.9 70.4 105.6



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

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





#33

1,2-Dichloroethane-d4

Concen: 53.224 ug/l

RT: 8.067 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

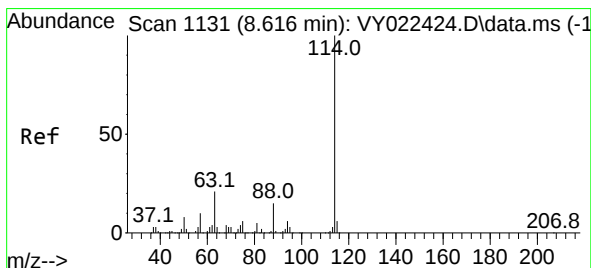
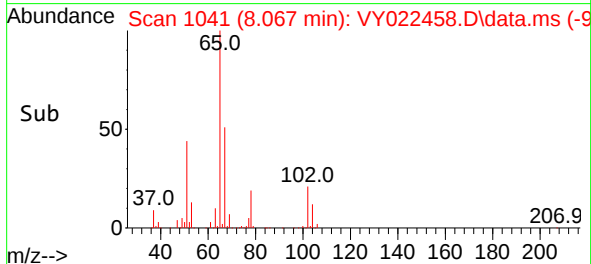
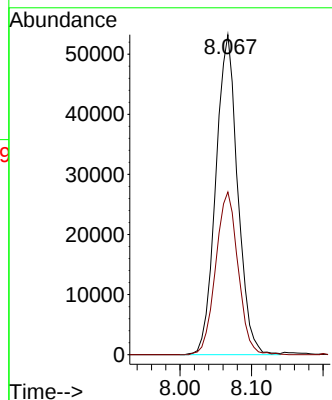
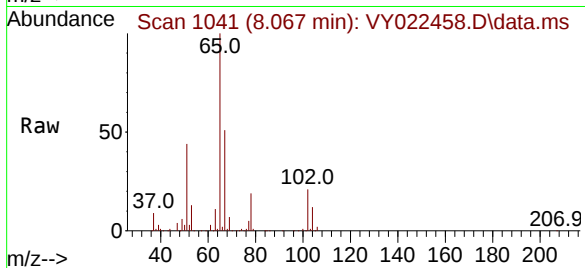
MDL-SOIL-03-QT2-2025

Tgt Ion: 65 Resp: 113238

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

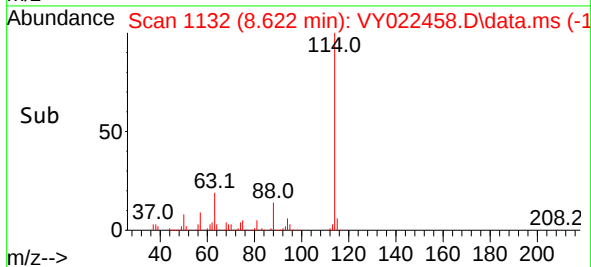
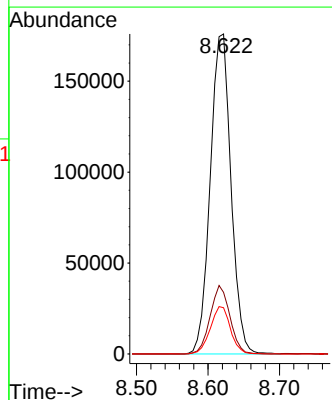
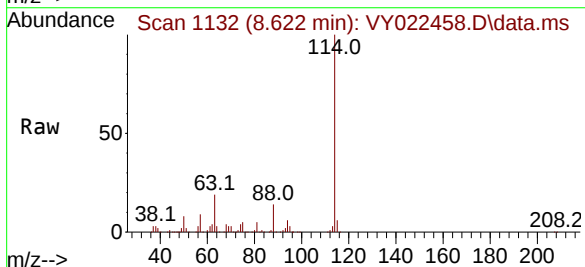
Tgt Ion: 114 Resp: 354437

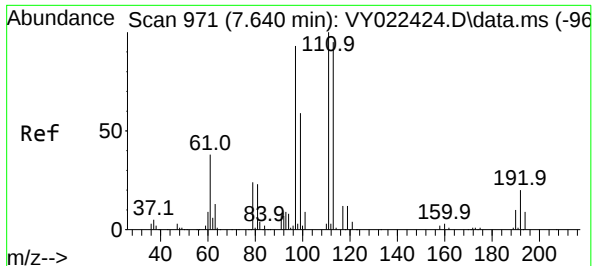
Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.6

88 14.5 0.0 29.4

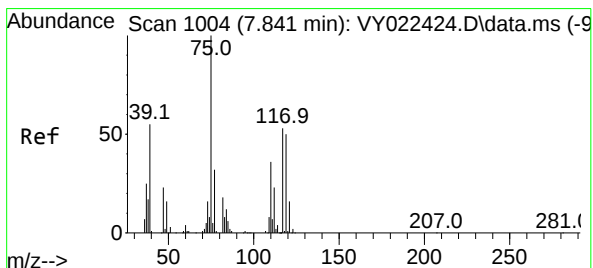
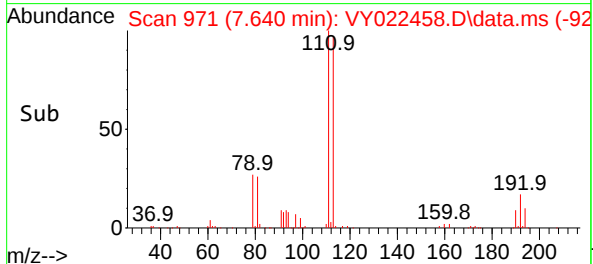
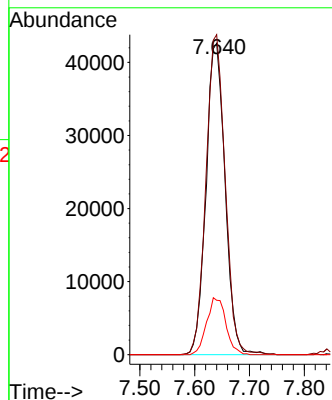
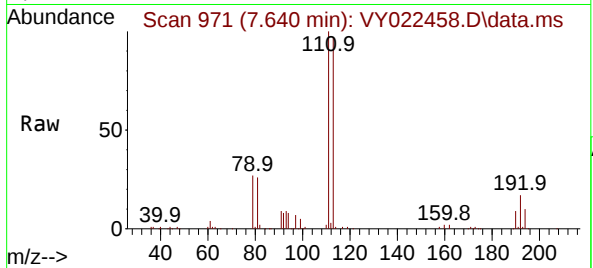




#35
Dibromofluoromethane
Concen: 49.570 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

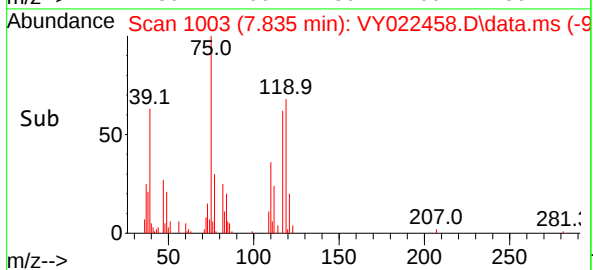
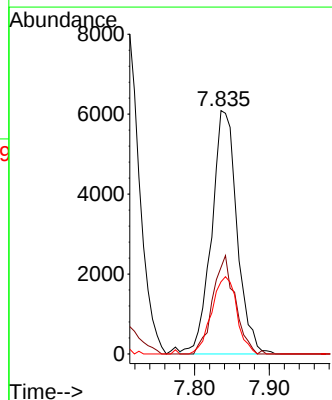
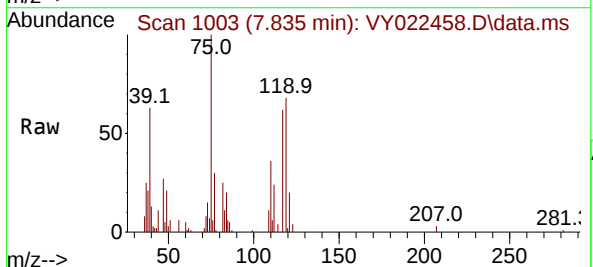
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

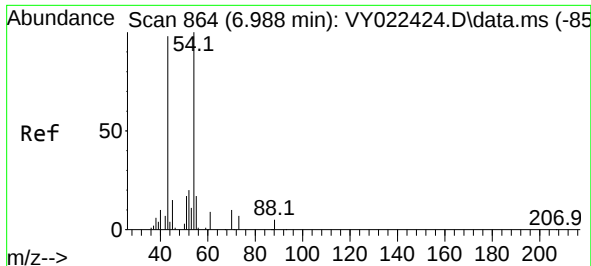
Tgt Ion:113 Resp: 102892
Ion Ratio Lower Upper
113 100
111 103.4 82.4 123.6
192 18.4 15.2 22.8



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

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





#37

Ethyl Acetate

Concen: 4.824 ug/l

RT: 6.988 min Scan# 8

Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

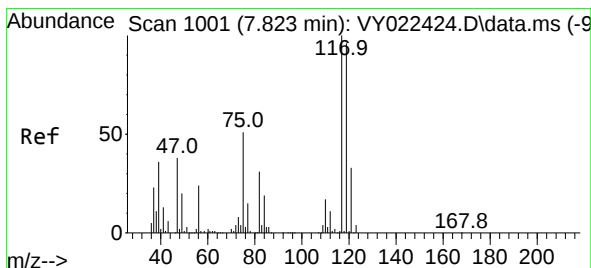
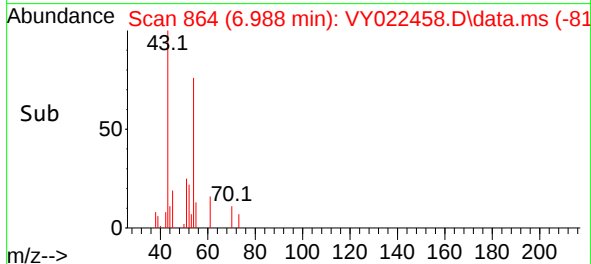
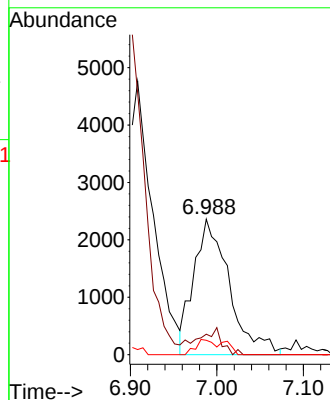
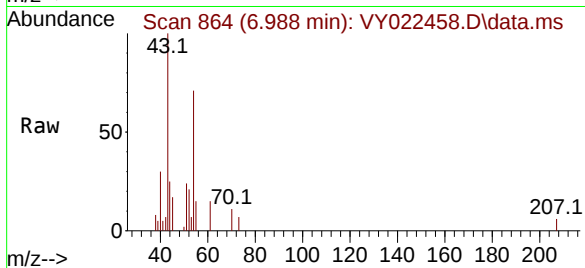
Tgt Ion: 43 Resp: 6752

Ion Ratio Lower Upper

43 100

61 13.8 11.7 17.5

70 5.8 7.8 11.6#



#38

Carbon Tetrachloride

Concen: 4.181 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. -0.006 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

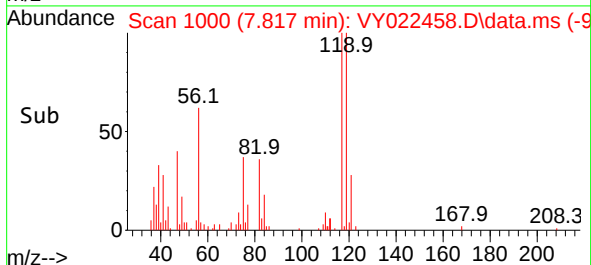
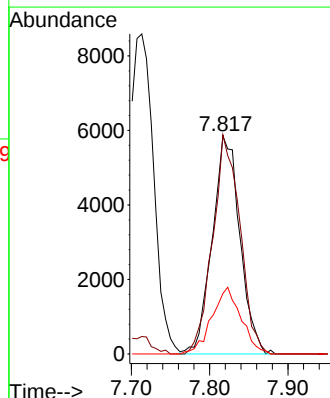
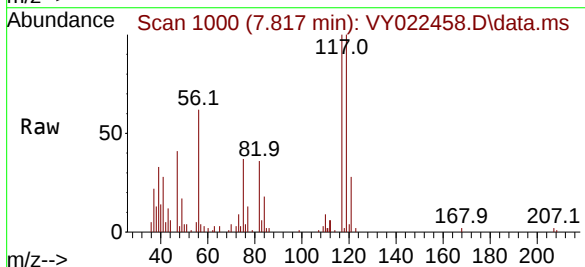
Tgt Ion: 117 Resp: 14347

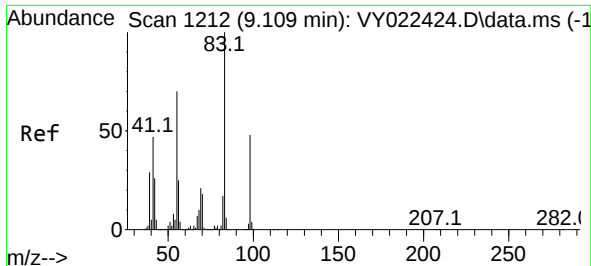
Ion Ratio Lower Upper

117 100

119 100.4 76.3 114.5

121 27.7 26.1 39.1





#39

Methylcyclohexane

Concen: 4.754 ug/l

RT: 9.109 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

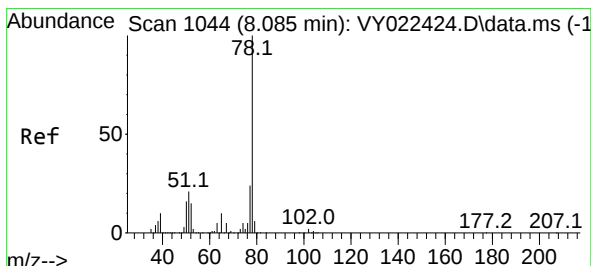
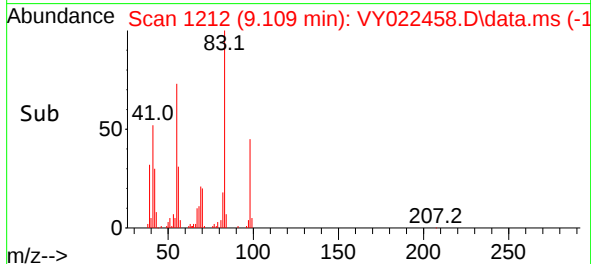
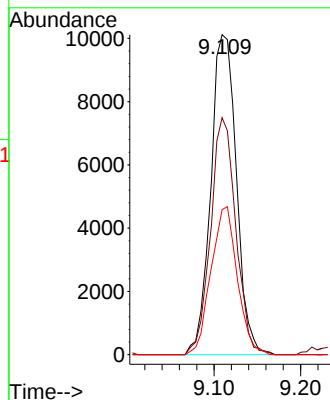
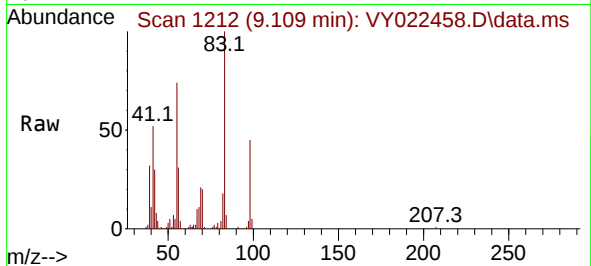
Tgt Ion: 83 Resp: 20813

Ion Ratio Lower Upper

83 100

55 74.1 56.2 84.2

98 45.4 38.4 57.6



#40

Benzene

Concen: 4.428 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. -0.006 min

Lab File: VY022458.D

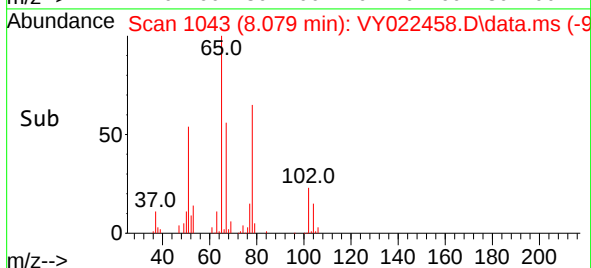
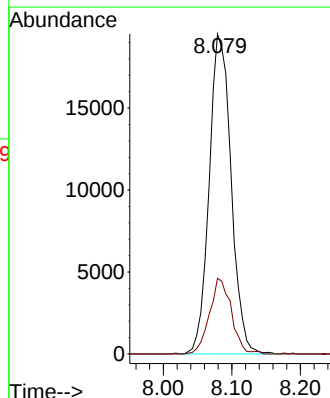
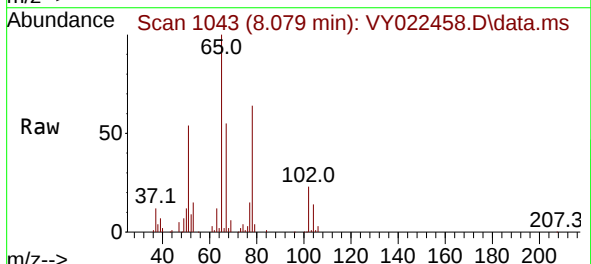
Acq: 29 May 2025 11:38

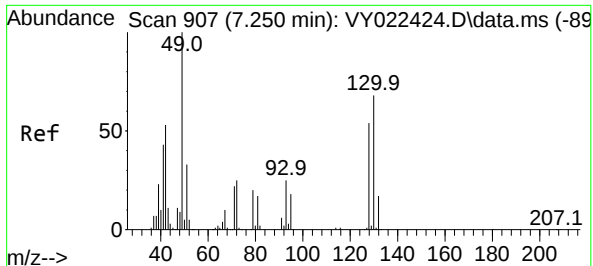
Tgt Ion: 78 Resp: 43399

Ion Ratio Lower Upper

78 100

77 23.7 19.4 29.2

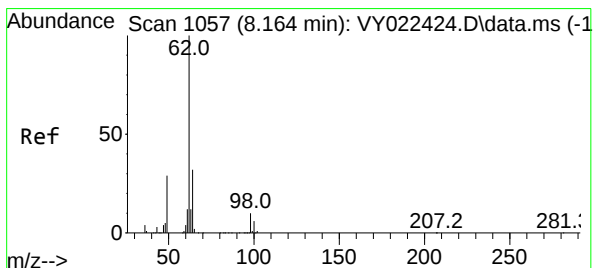
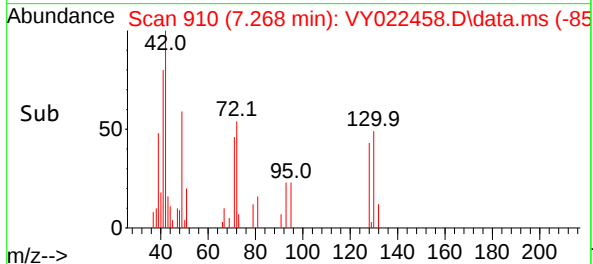
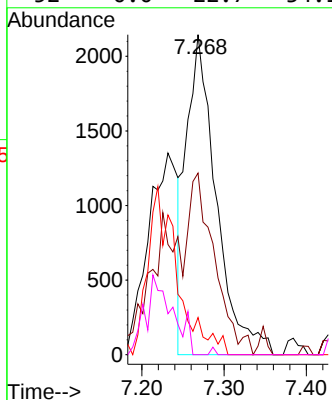
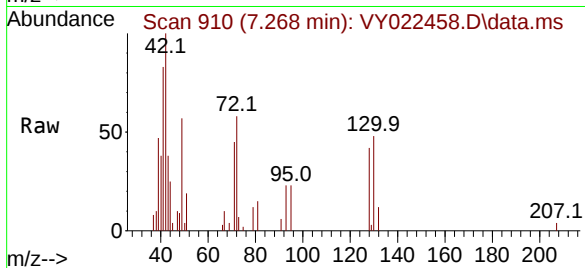




#41
Methacrylonitrile
Concen: 6.387 ug/l
RT: 7.268 min Scan# 910
Delta R.T. 0.018 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

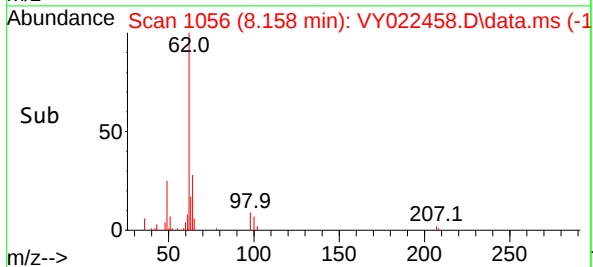
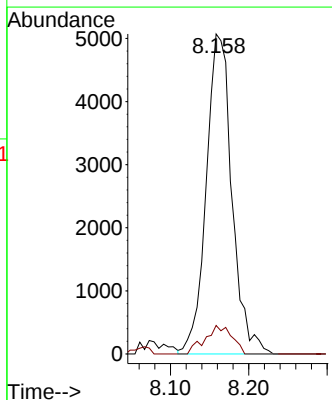
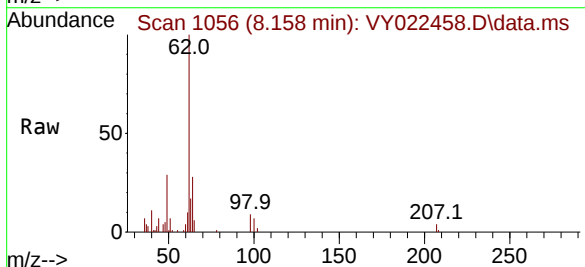
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

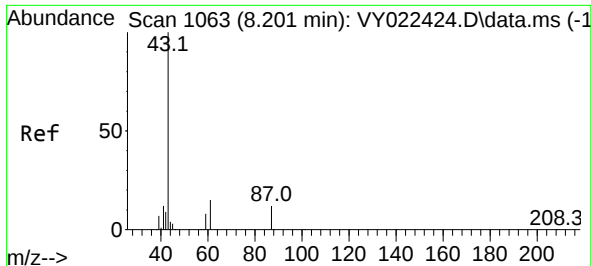
Tgt Ion: 41 Resp: 5426
Ion Ratio Lower Upper
41 100
39 49.9 40.4 60.6
67 0.0 53.0 79.4#
52 0.0 22.7 34.1#



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

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





#43

Isopropyl Acetate

Concen: 4.233 ug/l

RT: 8.201 min Scan# 1106

Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

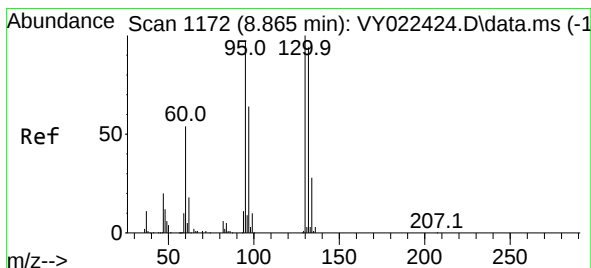
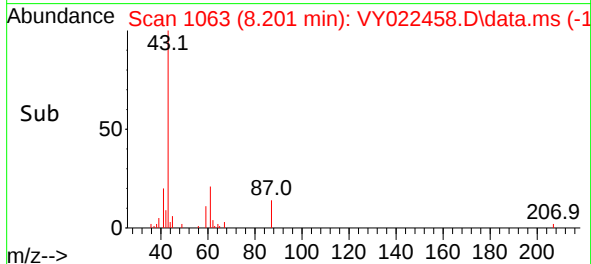
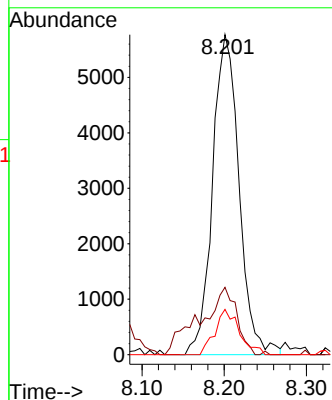
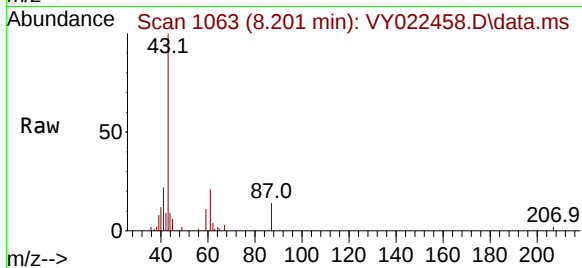
Tgt Ion: 43 Resp: 12947

Ion Ratio Lower Upper

43 100

61 16.5 15.4 23.0

87 13.0 10.6 15.8



#44

Trichloroethene

Concen: 4.332 ug/l

RT: 8.872 min Scan# 1173

Delta R.T. 0.006 min

Lab File: VY022458.D

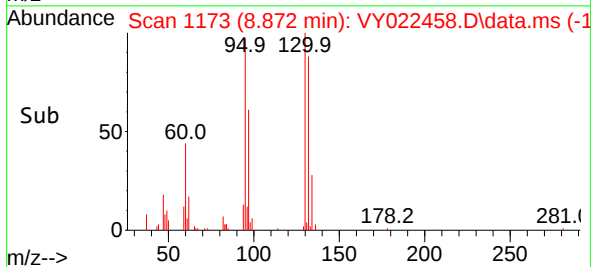
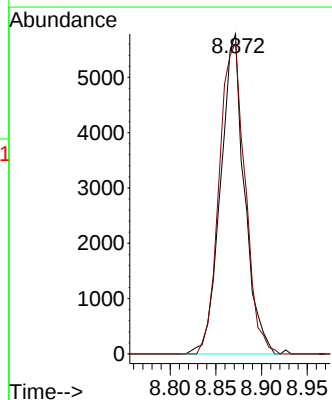
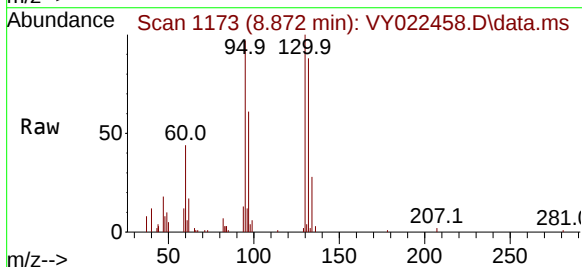
Acq: 29 May 2025 11:38

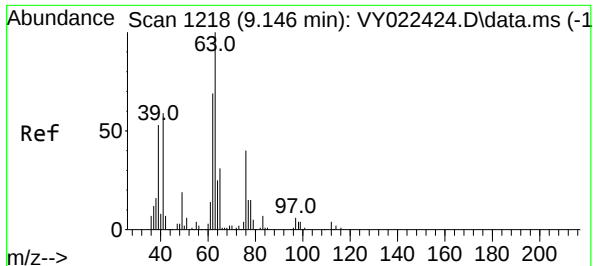
Tgt Ion:130 Resp: 10496

Ion Ratio Lower Upper

130 100

95 97.1 0.0 194.8





#45

1,2-Dichloropropane

Concen: 4.330 ug/l

RT: 9.140 min Scan# 1218

Delta R.T. -0.006 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

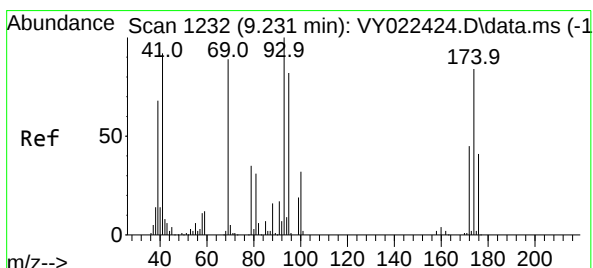
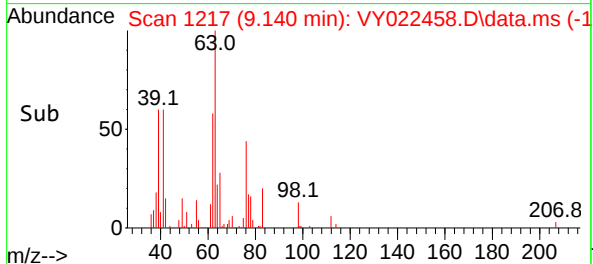
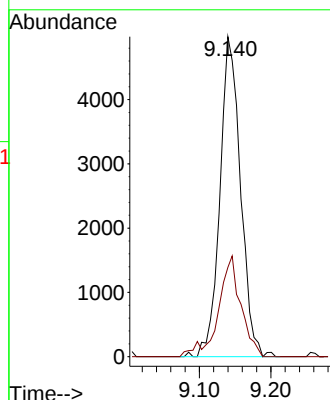
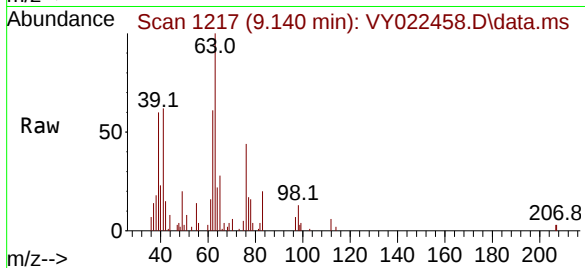
MDL-SOIL-03-QT2-2025

Tgt Ion: 63 Resp: 9972

Ion Ratio Lower Upper

63 100

65 27.9 25.1 37.7



#46

Dibromomethane

Concen: 4.179 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

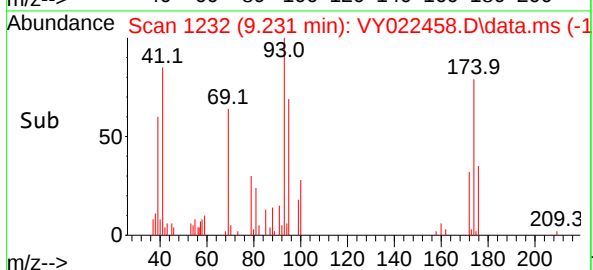
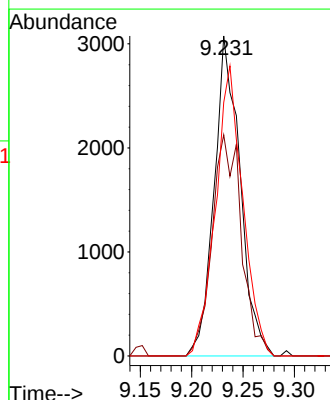
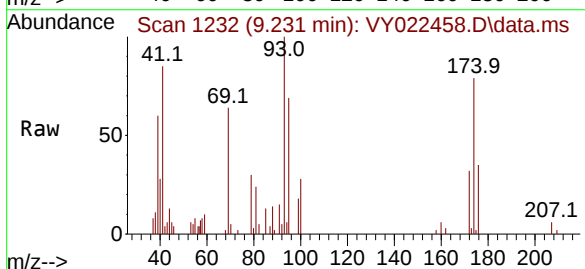
Tgt Ion: 93 Resp: 5376

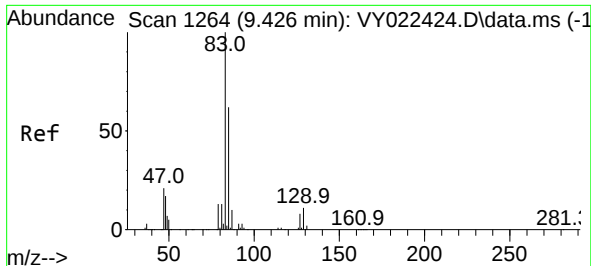
Ion Ratio Lower Upper

93 100

95 78.3 66.2 99.2

174 95.9 71.1 106.7

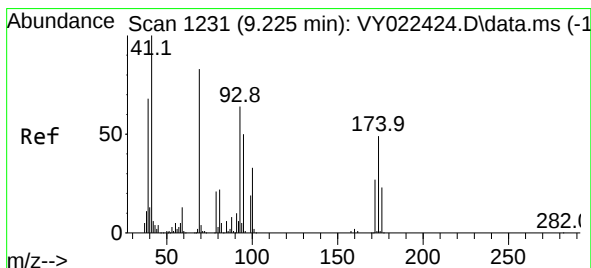
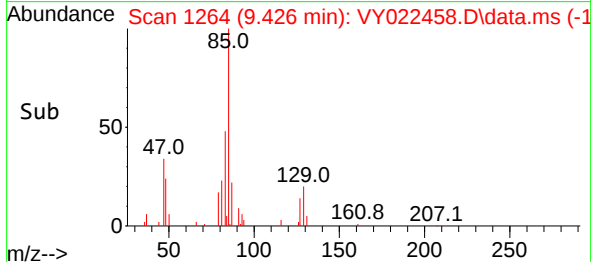
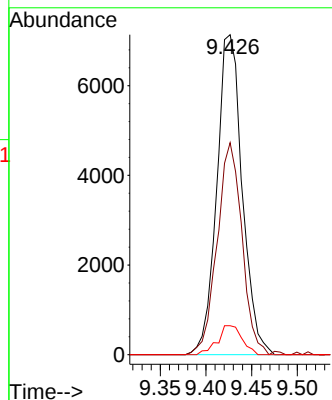
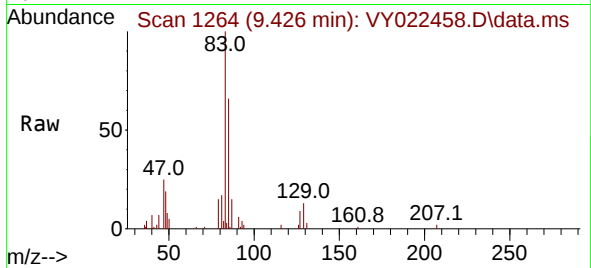




#47
Bromodichloromethane
Concen: 4.181 ug/l
RT: 9.426 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

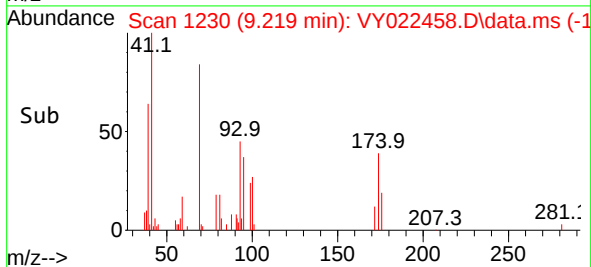
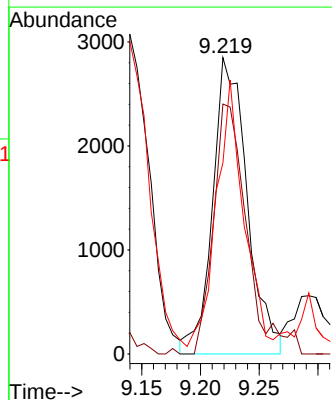
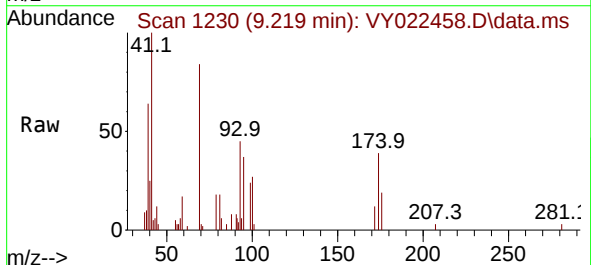
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

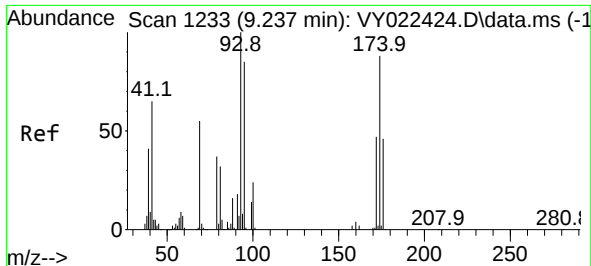
Tgt Ion: 83	Resp:	13831	
Ion Ratio	Lower	Upper	
83	100		
85	66.3	49.8	74.6
127	9.1	6.6	9.8



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

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





#49

1,4-Dioxane

Concen: 95.507 ug/l

RT: 9.237 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

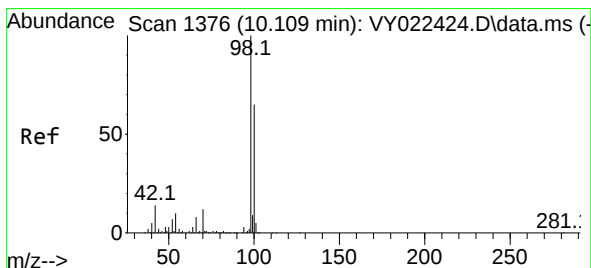
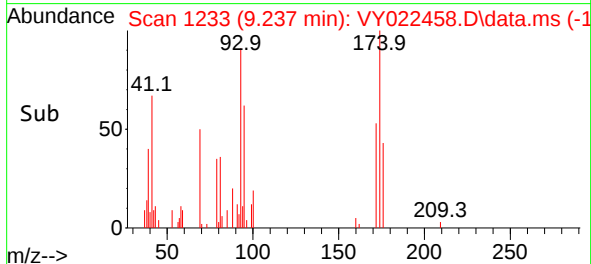
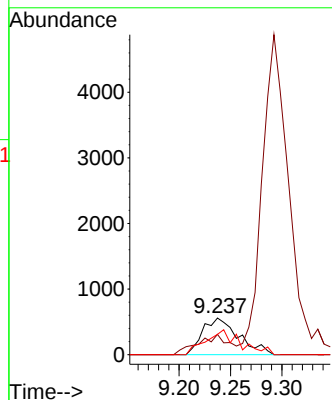
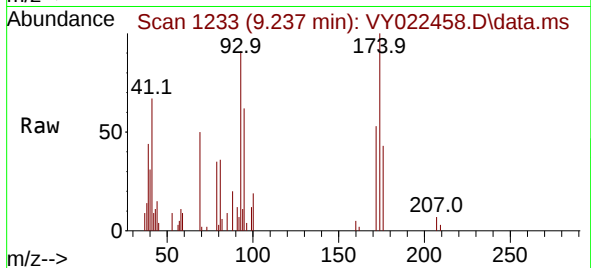
Tgt Ion: 88 Resp: 1357

Ion Ratio Lower Upper

88 100

43 47.2 26.9 40.3#

58 65.3 55.8 83.6



#50

Toluene-d8

Concen: 49.412 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY022458.D

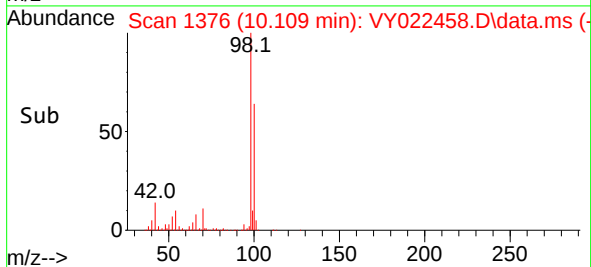
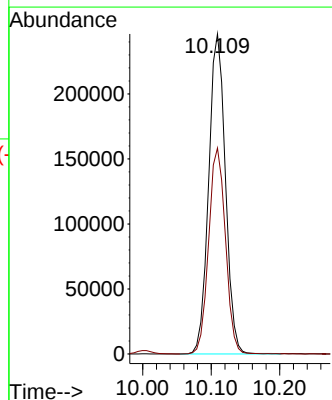
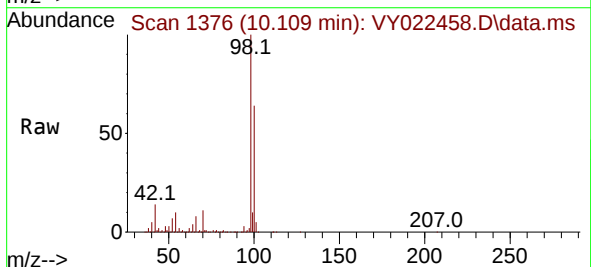
Acq: 29 May 2025 11:38

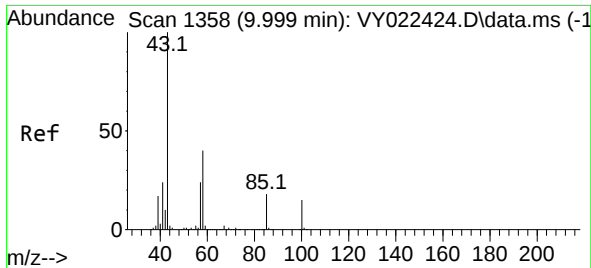
Tgt Ion: 98 Resp: 418106

Ion Ratio Lower Upper

98 100

100 64.6 52.2 78.2

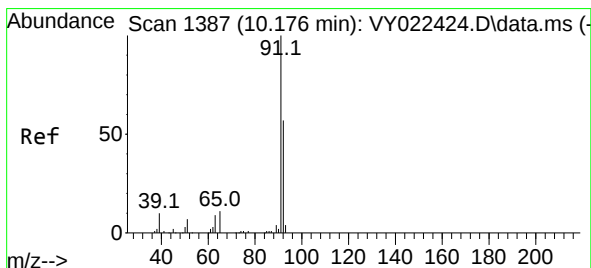
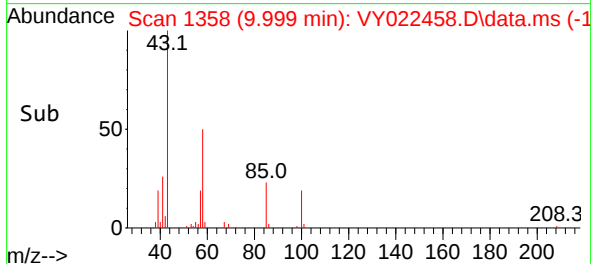
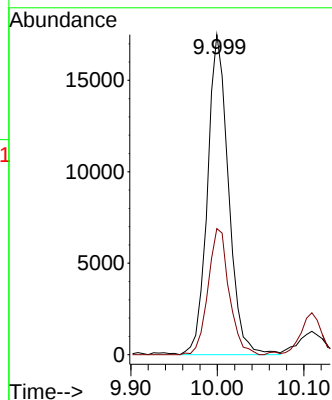
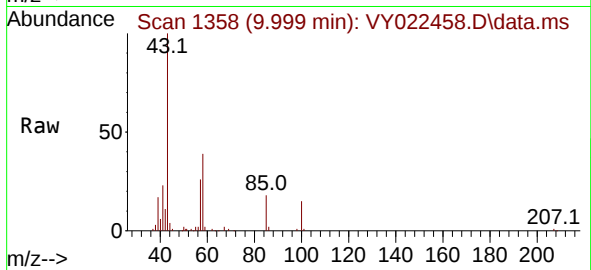




#51
4-Methyl-2-Pentanone
Concen: 19.572 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

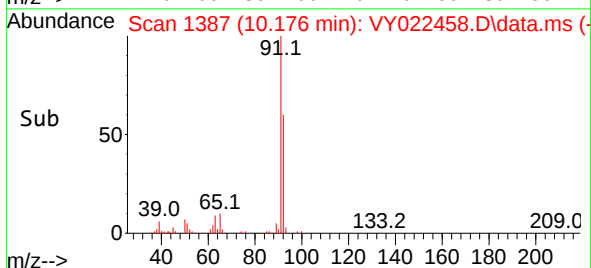
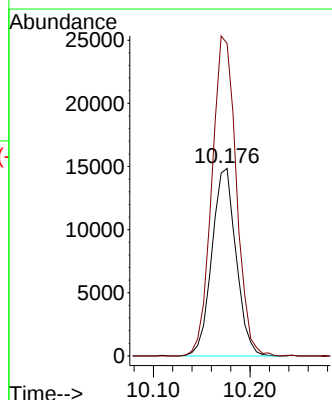
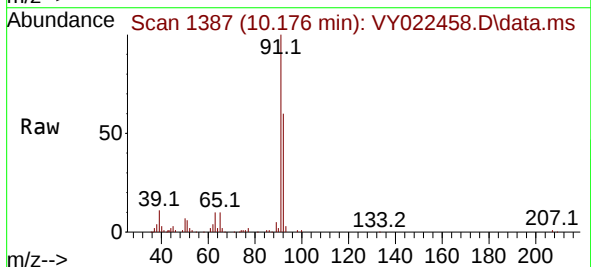
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

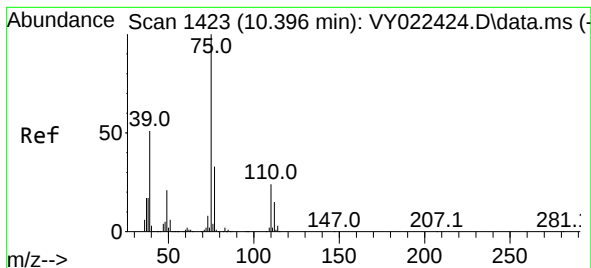
Tgt Ion: 43 Resp: 29539
Ion Ratio Lower Upper
43 100
58 39.3 31.2 46.8



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

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

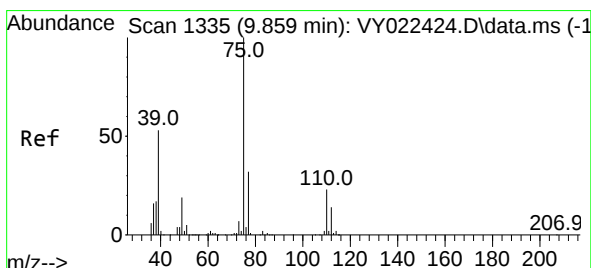
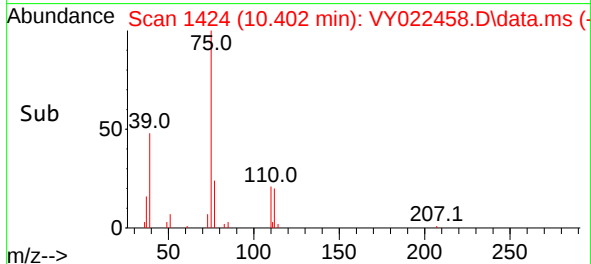
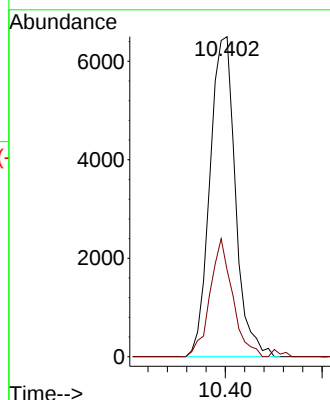
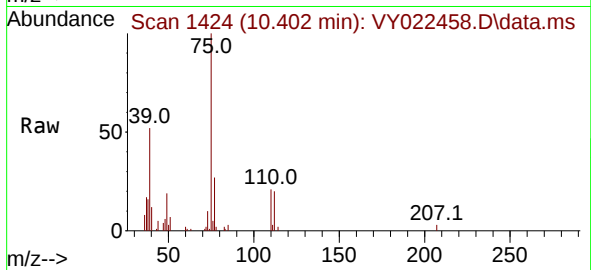




#53
t-1,3-Dichloropropene
Concen: 3.859 ug/l
RT: 10.402 min Scan# 1424
Delta R.T. 0.006 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

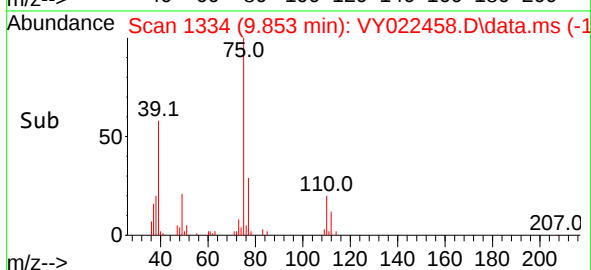
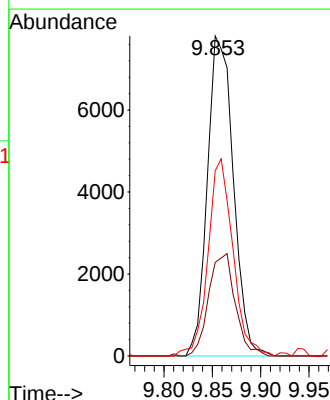
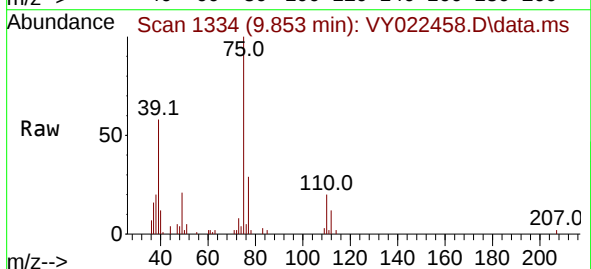
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

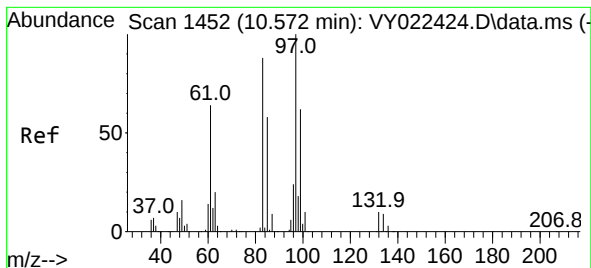
Tgt Ion: 75 Resp: 11891
Ion Ratio Lower Upper
75 100
77 27.1 26.2 39.2



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

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





#55

1,1,2-Trichloroethane

Concen: 4.184 ug/l

RT: 10.572 min Scan# 1452

Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

Tgt Ion: 97 Resp: 6805

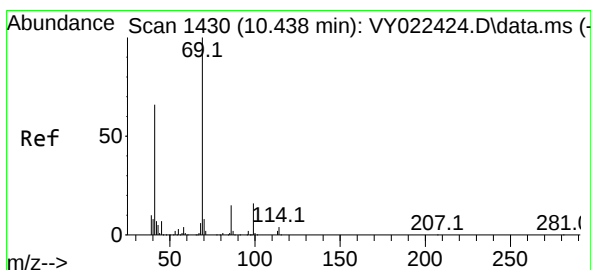
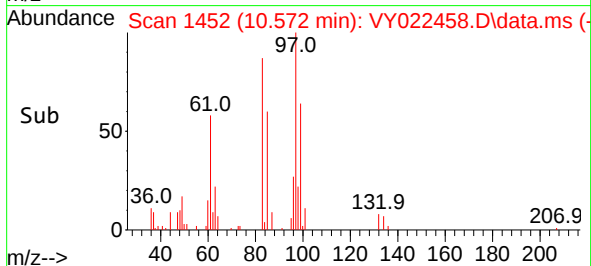
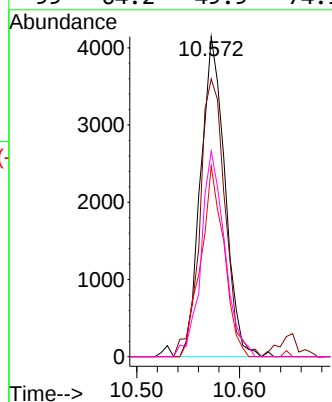
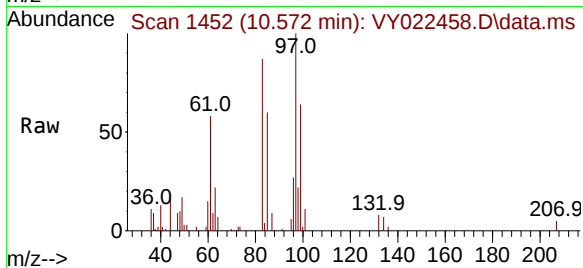
Ion Ratio Lower Upper

97 100

83 83.8 70.2 105.4

85 59.6 46.1 69.1

99 64.2 49.9 74.9



#56

Ethyl methacrylate

Concen: 3.829 ug/l

RT: 10.444 min Scan# 1431

Delta R.T. 0.006 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

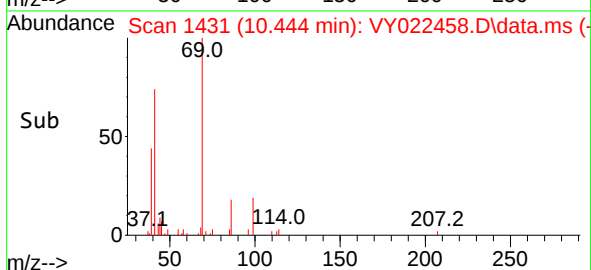
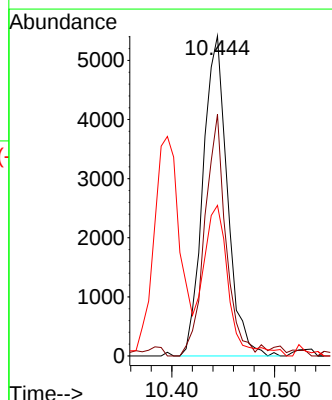
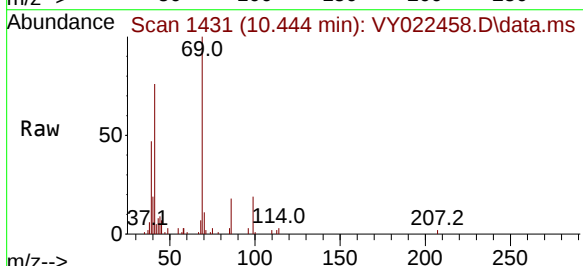
Tgt Ion: 69 Resp: 8936

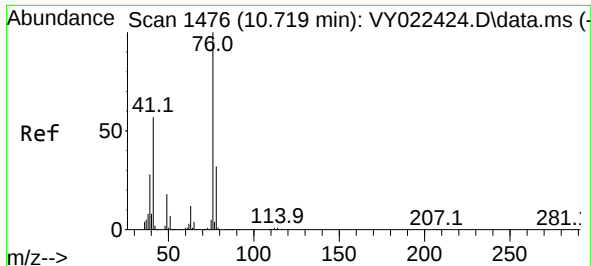
Ion Ratio Lower Upper

69 100

41 65.4 51.2 76.8

39 48.2 35.2 52.8





#57

1,3-Dichloropropane

Concen: 4.244 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

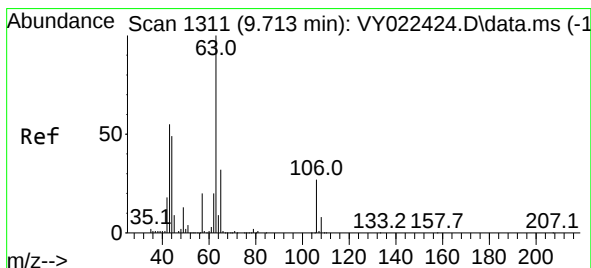
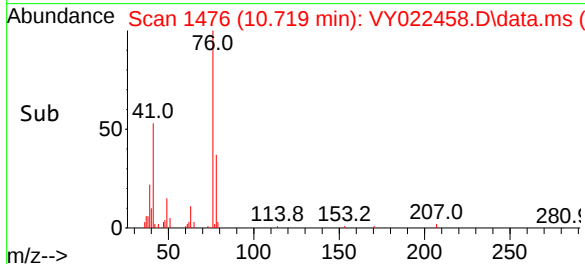
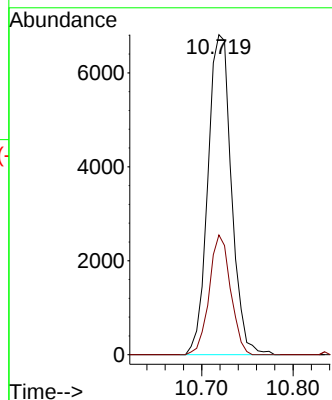
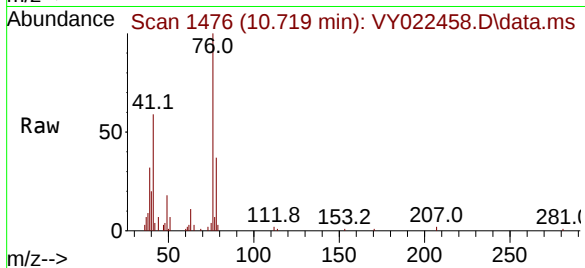
MDL-SOIL-03-QT2-2025

Tgt Ion: 76 Resp: 12164

Ion Ratio Lower Upper

76 100

78 33.9 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 19.971 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY022458.D

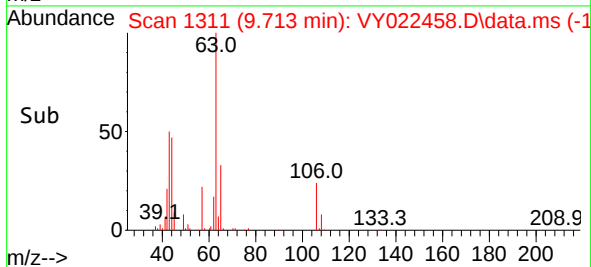
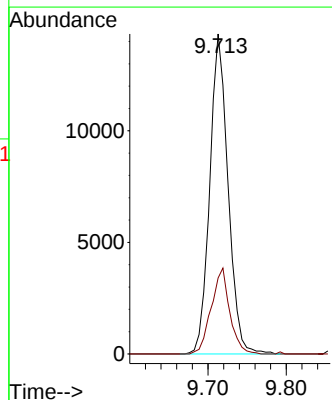
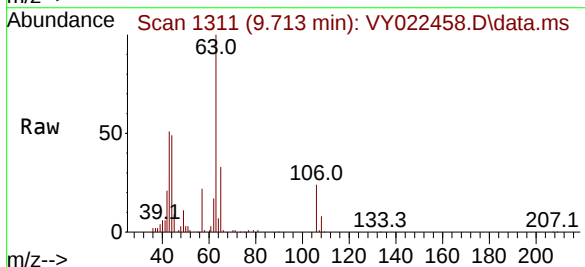
Acq: 29 May 2025 11:38

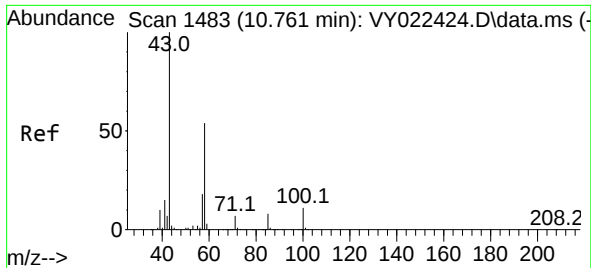
Tgt Ion: 63 Resp: 23230

Ion Ratio Lower Upper

63 100

106 27.2 22.2 33.2





#59

2-Hexanone

Concen: 19.249 ug/l

RT: 10.761 min Scan# 1483

Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

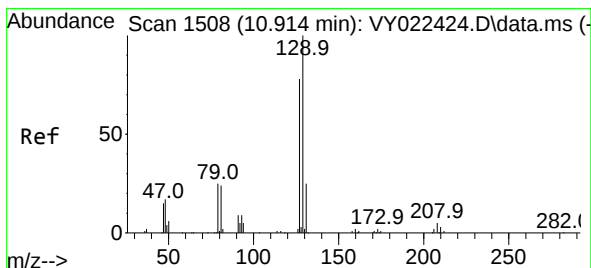
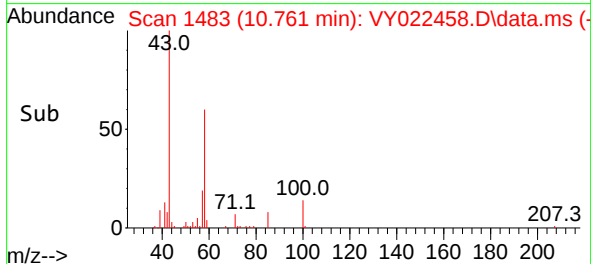
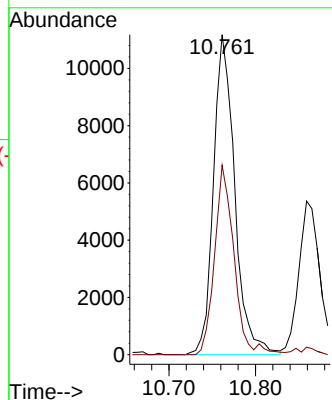
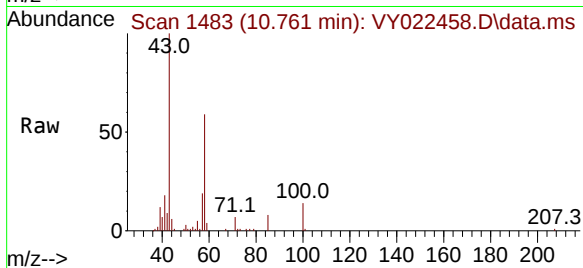
MDL-SOIL-03-QT2-2025

Tgt Ion: 43 Resp: 19039

Ion Ratio Lower Upper

43 100

58 54.3 27.1 81.2



#60

Dibromochloromethane

Concen: 4.131 ug/l

RT: 10.914 min Scan# 1508

Delta R.T. 0.000 min

Lab File: VY022458.D

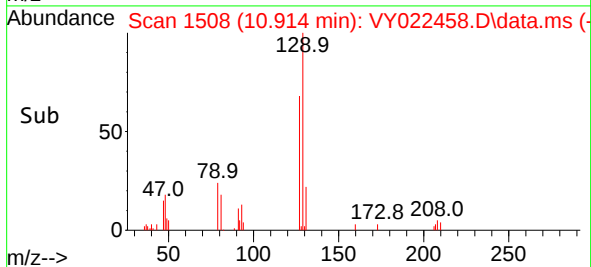
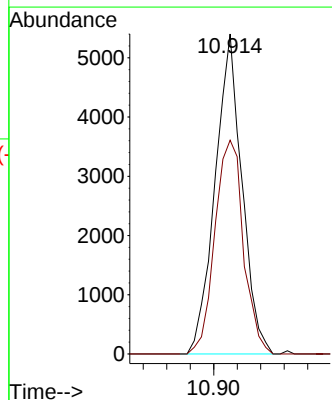
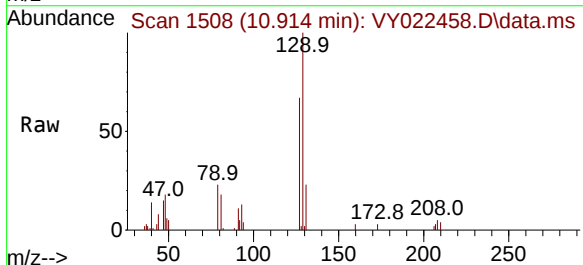
Acq: 29 May 2025 11:38

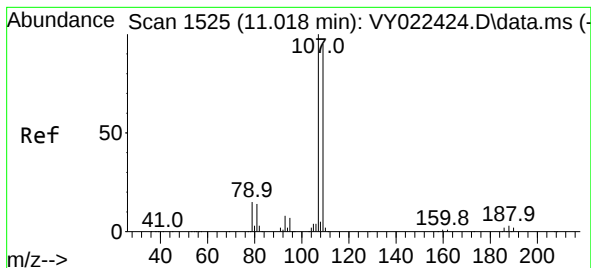
Tgt Ion: 129 Resp: 8582

Ion Ratio Lower Upper

129 100

127 70.9 38.3 114.8





#61

1,2-Dibromoethane

Concen: 4.246 ug/l

RT: 11.018 min Scan# 1525

Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

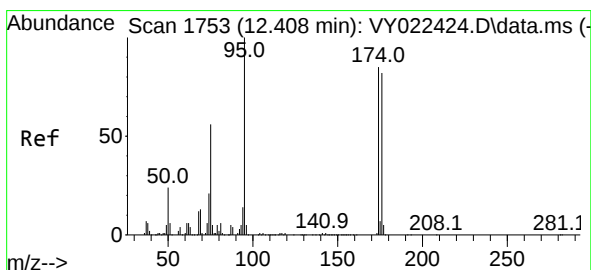
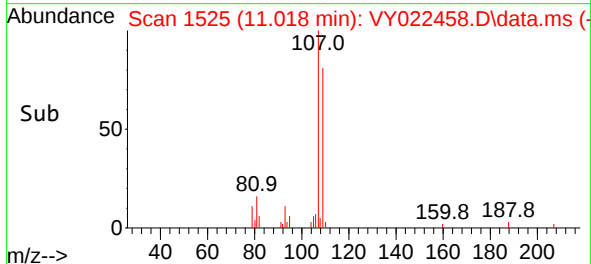
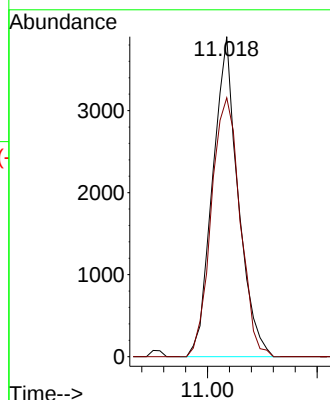
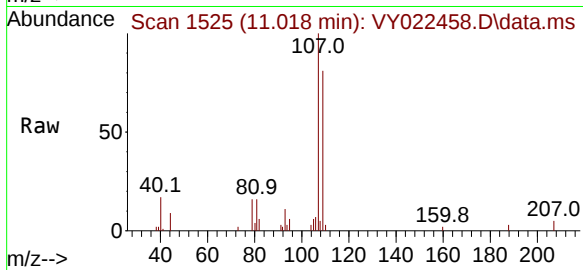
MDL-SOIL-03-QT2-2025

Tgt Ion:107 Resp: 6316

Ion Ratio Lower Upper

107 100

109 91.0 74.0 111.0



#62

4-Bromofluorobenzene

Concen: 46.297 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

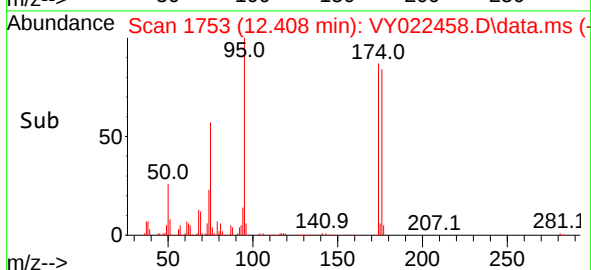
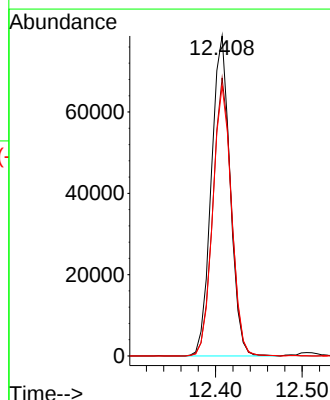
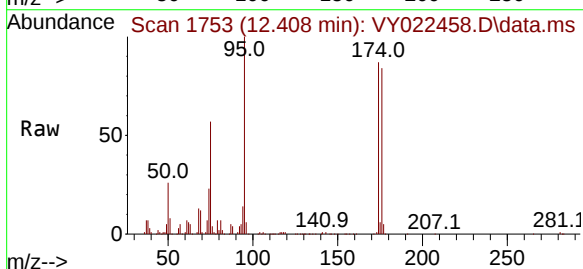
Tgt Ion: 95 Resp: 118499

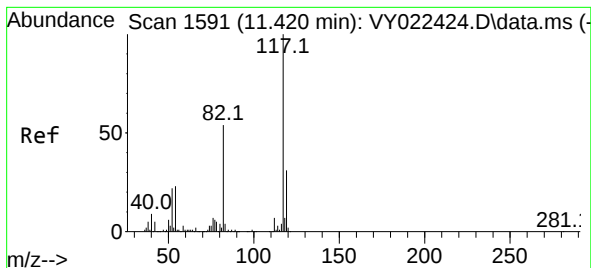
Ion Ratio Lower Upper

95 100

174 85.7 0.0 171.6

176 84.4 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

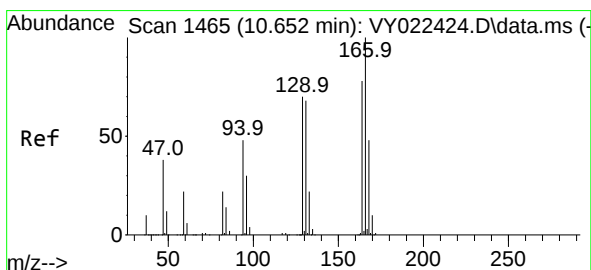
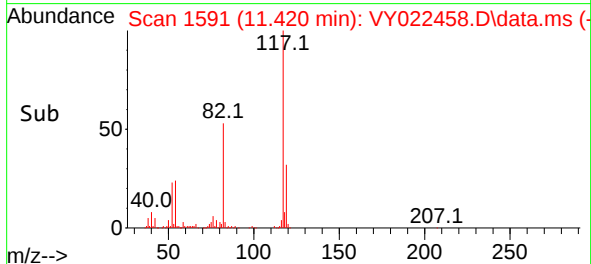
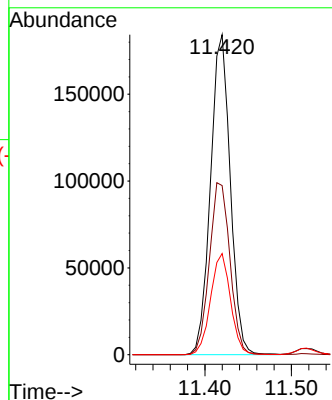
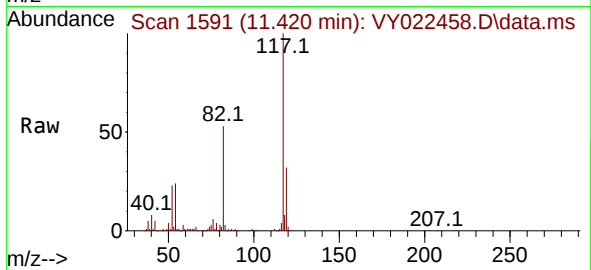
Tgt Ion:117 Resp: 292130

Ion Ratio Lower Upper

117 100

82 52.9 43.3 64.9

119 31.6 24.5 36.7



#64

Tetrachloroethene

Concen: 4.510 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Tgt Ion:164 Resp: 11220

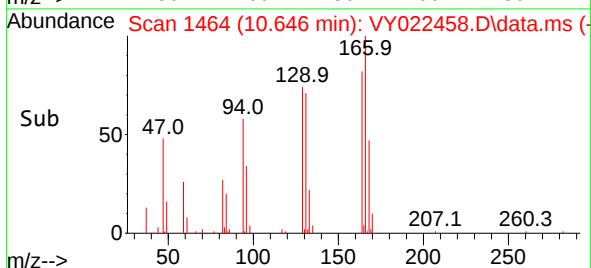
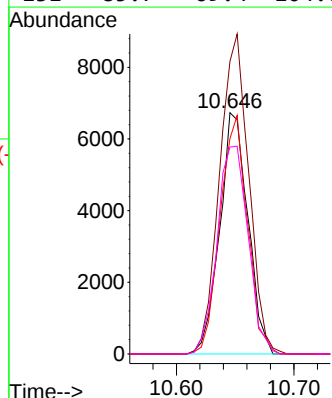
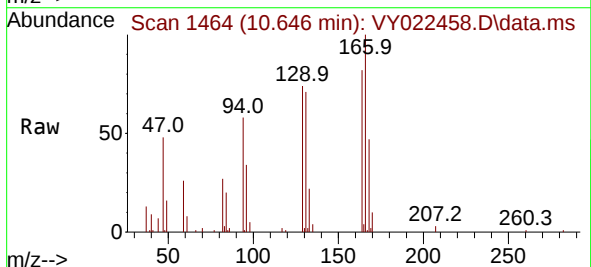
Ion Ratio Lower Upper

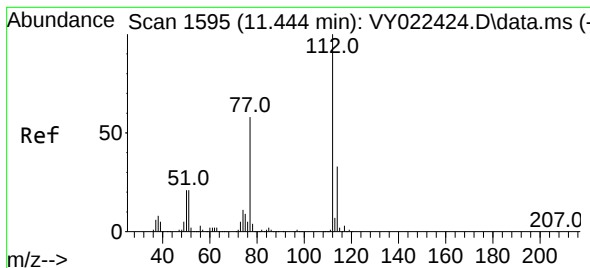
164 100

166 121.3 102.0 153.0

129 89.3 71.3 106.9

131 85.7 69.4 104.0





#65

Chlorobenzene

Concen: 4.378 ug/l

RT: 11.444 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

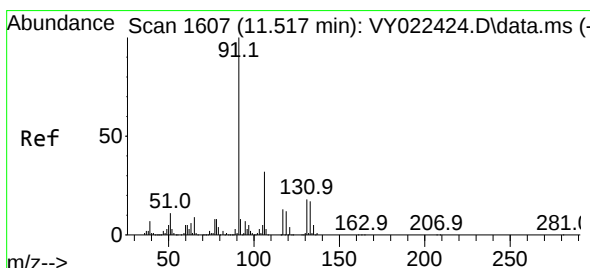
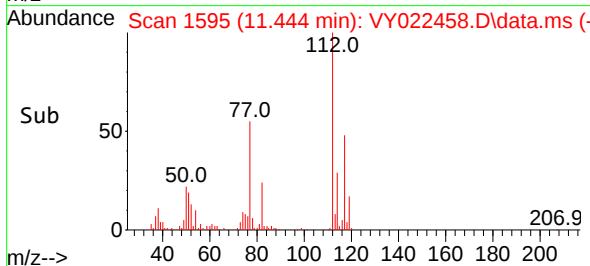
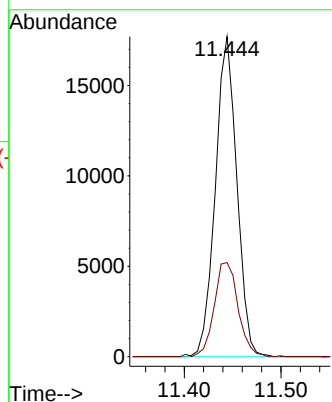
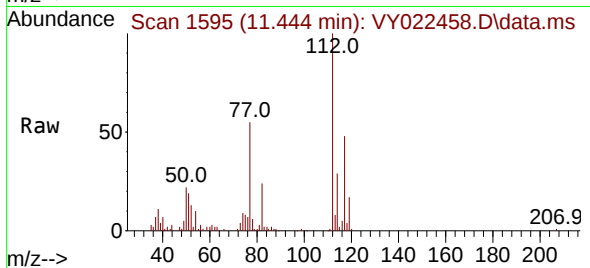
MDL-SOIL-03-QT2-2025

Tgt Ion:112 Resp: 27268

Ion Ratio Lower Upper

112 100

114 29.4 26.1 39.1



#66

1,1,1,2-Tetrachloroethane

Concen: 4.090 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

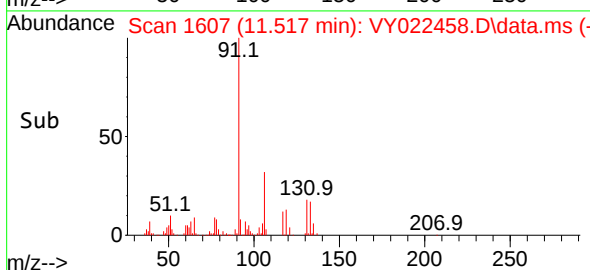
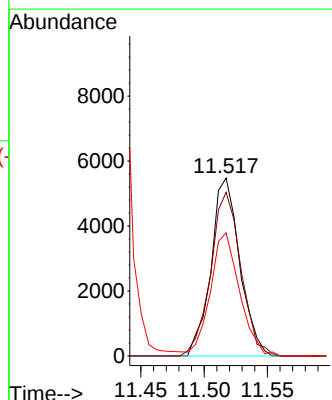
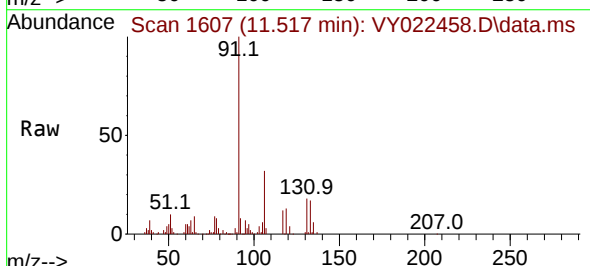
Tgt Ion:131 Resp: 8631

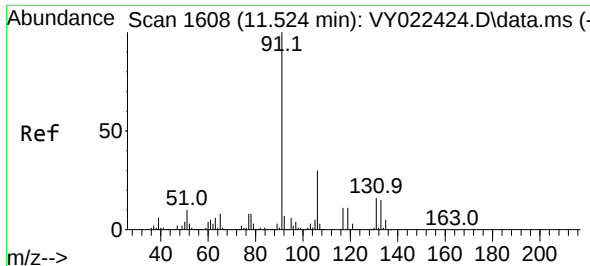
Ion Ratio Lower Upper

131 100

133 96.8 46.6 139.8

119 71.1 33.3 99.8

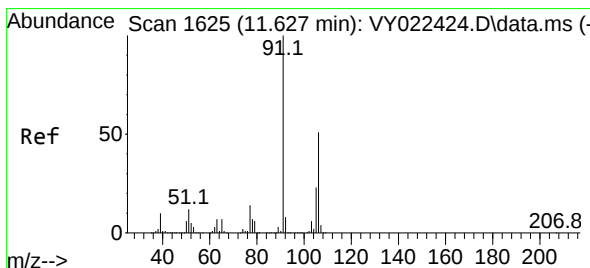
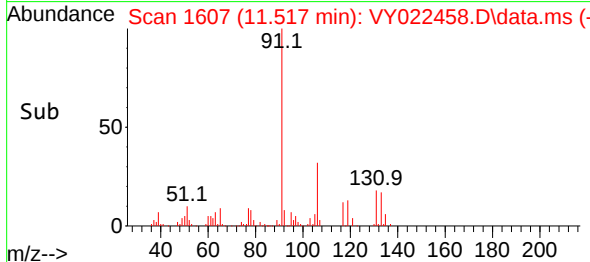
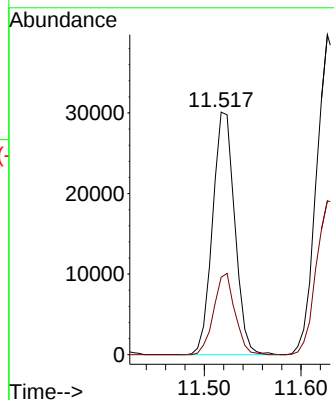
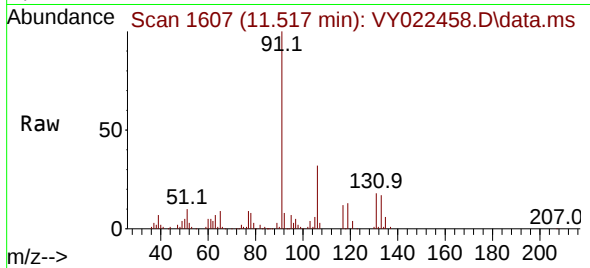




#67
Ethyl Benzene
Concen: 4.150 ug/l
RT: 11.517 min Scan# 1607
Delta R.T. -0.006 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

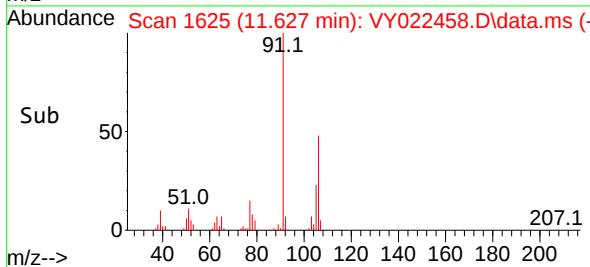
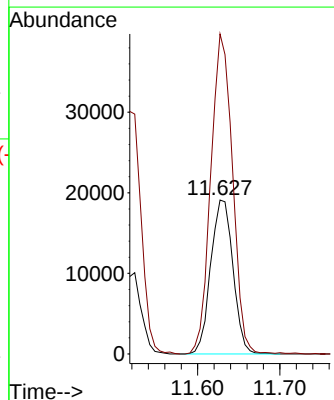
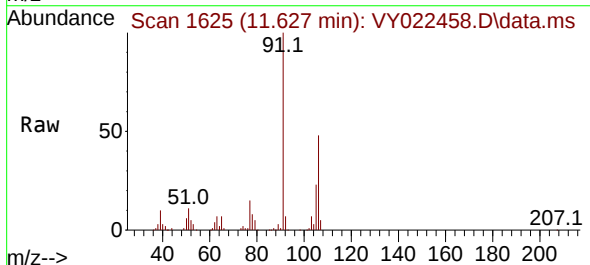
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

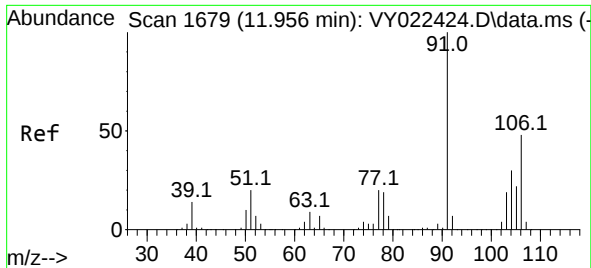
Tgt Ion: 91 Resp: 48002
Ion Ratio Lower Upper
91 100
106 31.9 24.4 36.6



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

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

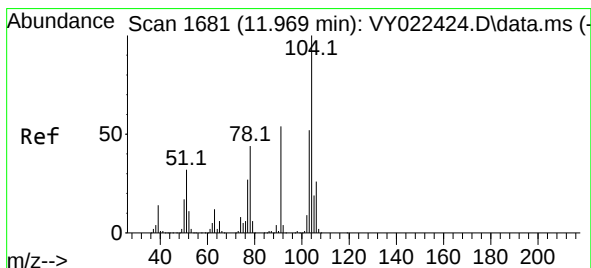
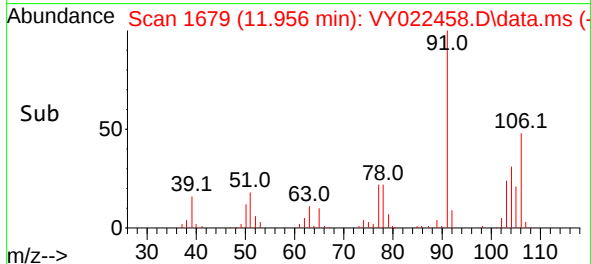
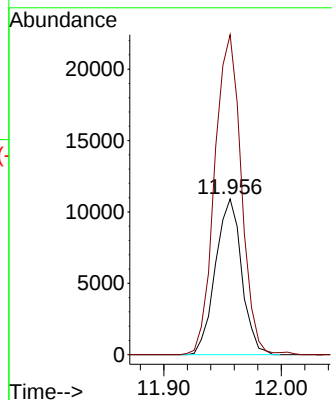
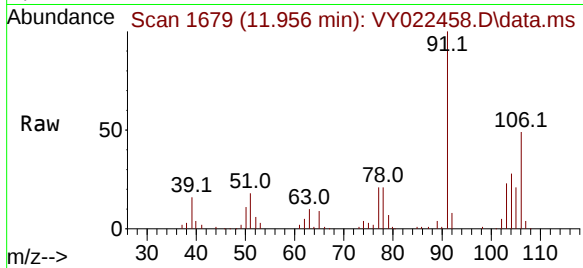




#69
o-Xylene
Concen: 4.100 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

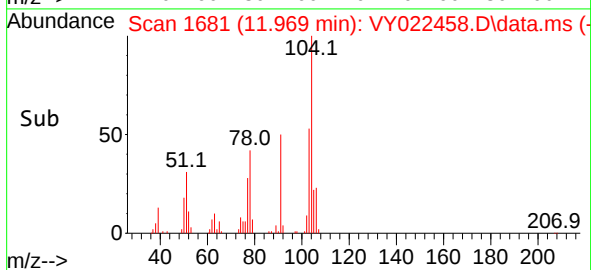
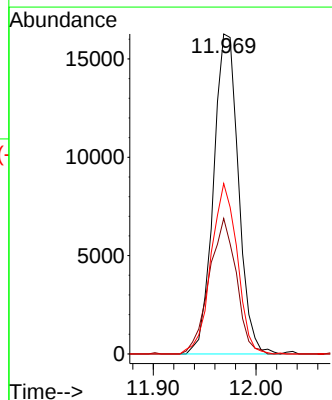
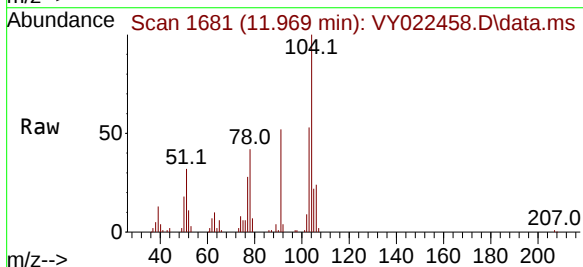
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

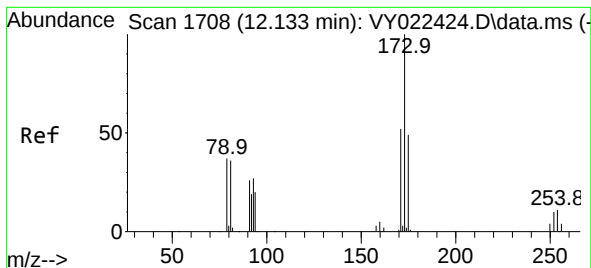
Tgt Ion:106 Resp: 16896
Ion Ratio Lower Upper
106 100
91 209.0 106.3 318.9



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

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





#71

Bromoform

Concen: 3.824 ug/l

RT: 12.133 min Scan# 1708

Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

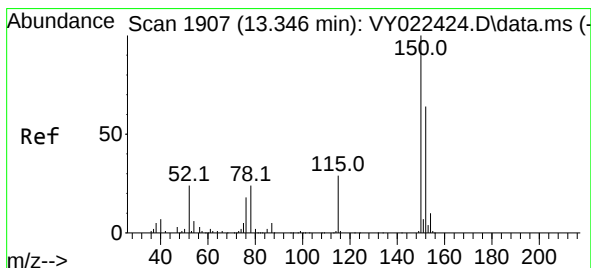
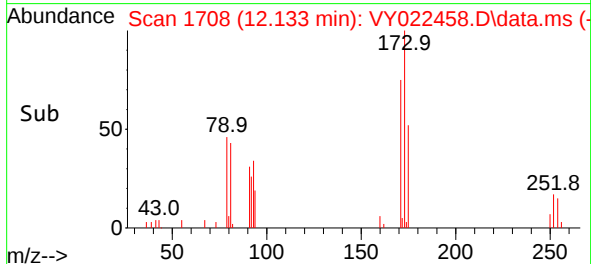
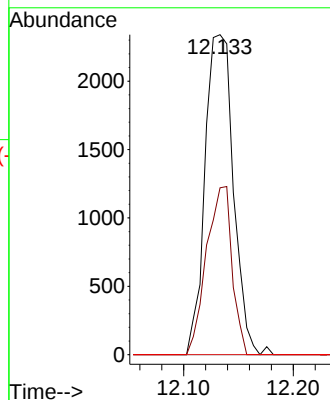
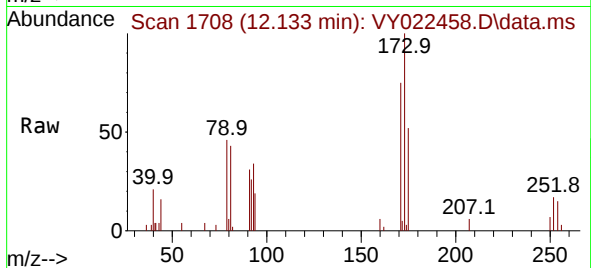
Tgt Ion:173 Resp: 4227

Ion Ratio Lower Upper

173 100

175 47.2 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: VY022458.D

Acq: 29 May 2025 11:38

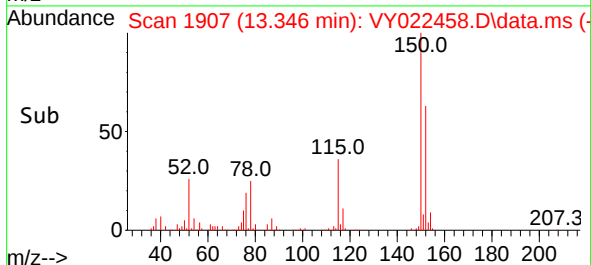
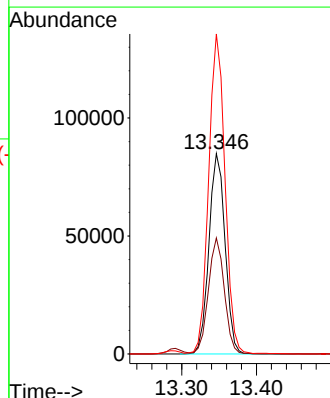
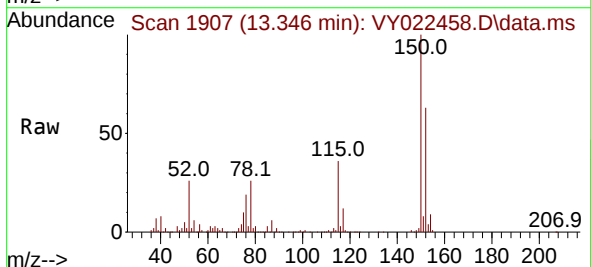
Tgt Ion:152 Resp: 127398

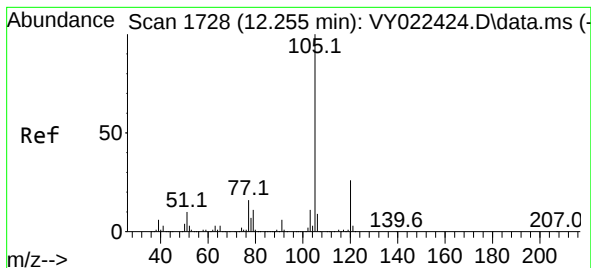
Ion Ratio Lower Upper

152 100

115 57.1 28.4 85.3

150 161.4 0.0 345.8





#73

Isopropylbenzene

Concen: 4.549 ug/l

RT: 12.255 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

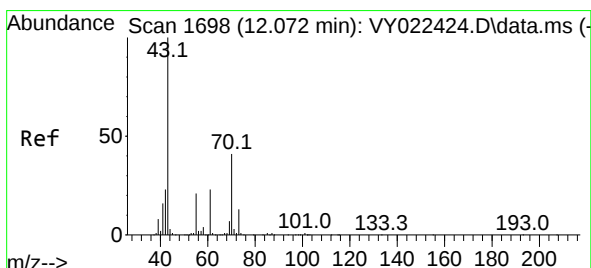
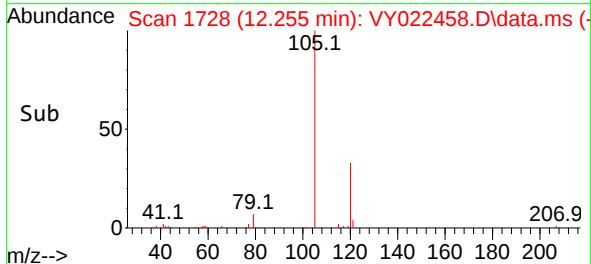
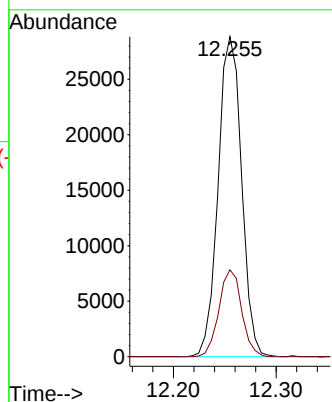
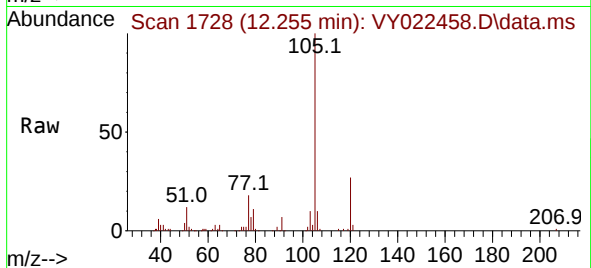
MDL-SOIL-03-QT2-2025

Tgt Ion:105 Resp: 45607

Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.5



#74

N-ethyl acetate

Concen: 4.212 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Tgt Ion: 43 Resp: 10334

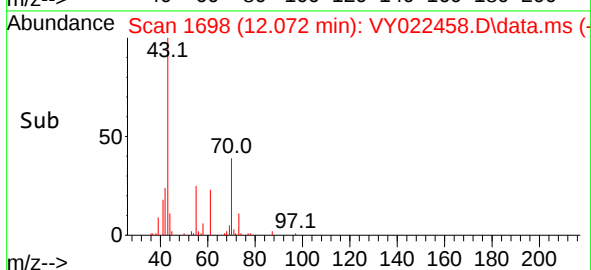
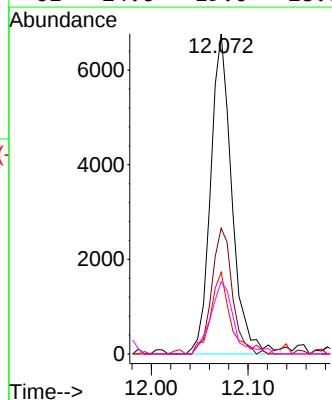
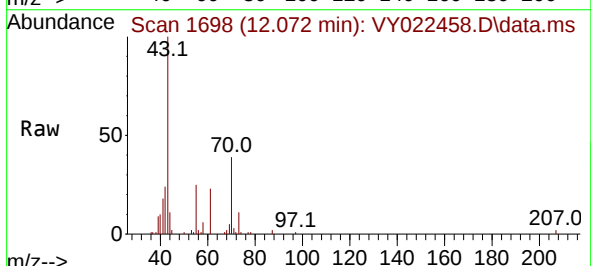
Ion Ratio Lower Upper

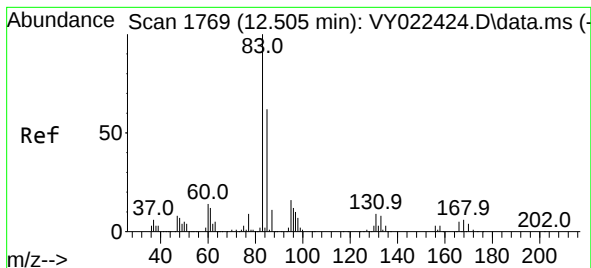
43 100

70 37.9 33.0 49.4

55 23.8 17.5 26.3

61 24.6 19.0 28.6





#75

1,1,2-Tetrachloroethane

Concen: 4.308 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

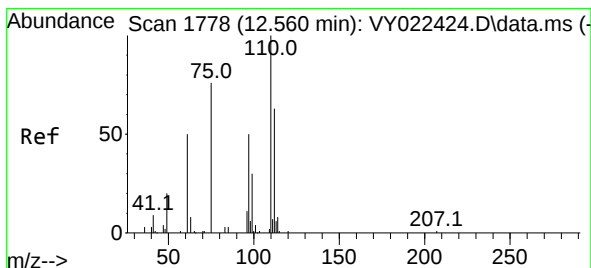
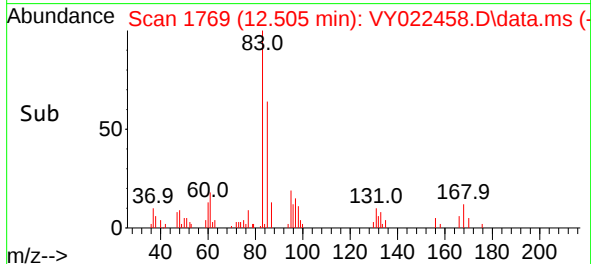
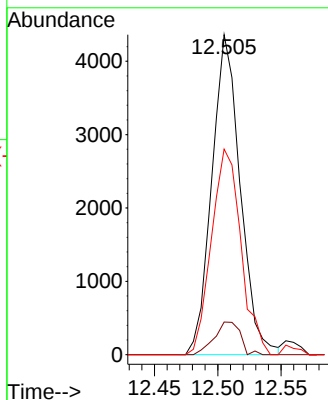
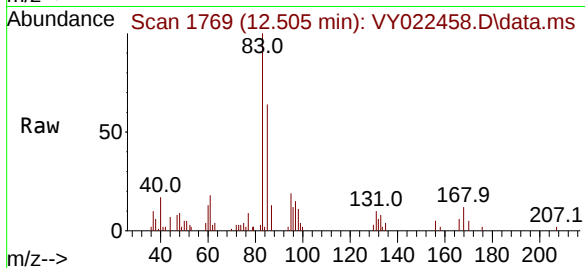
Tgt Ion: 83 Resp: 6806

Ion Ratio Lower Upper

83 100

131 9.3 4.8 14.4

85 66.7 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 7.608 ug/l

RT: 12.560 min Scan# 1778

Delta R.T. 0.000 min

Lab File: VY022458.D

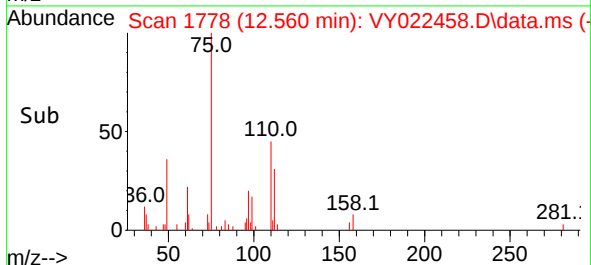
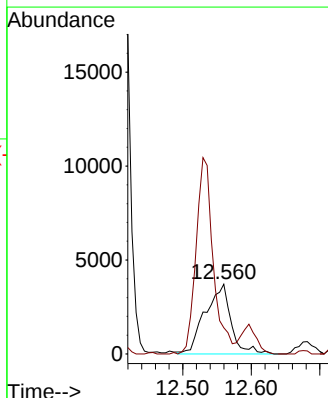
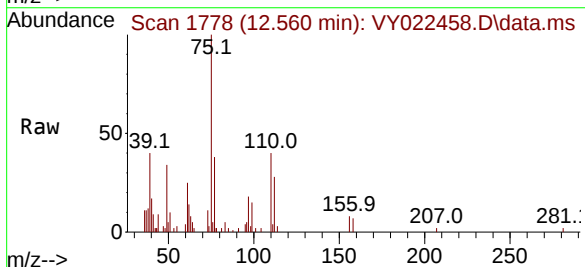
Acq: 29 May 2025 11:38

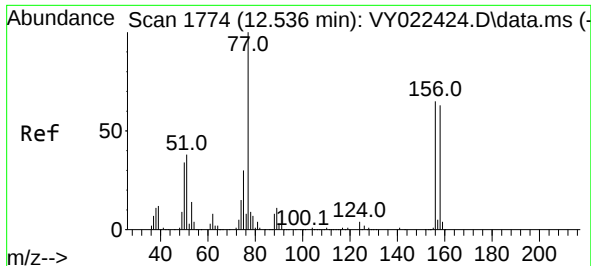
Tgt Ion: 75 Resp: 9708

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

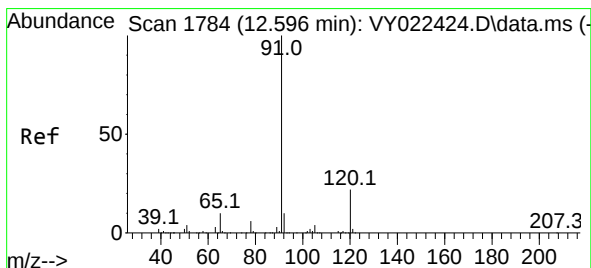
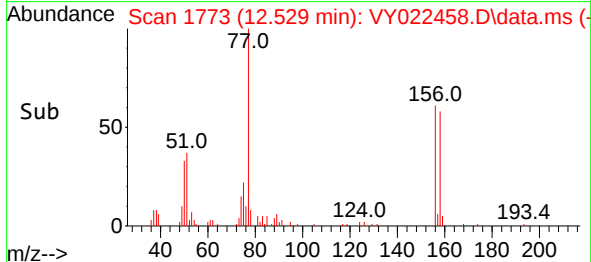
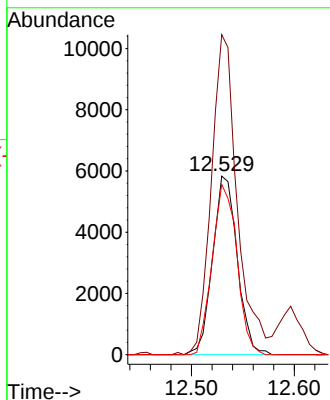
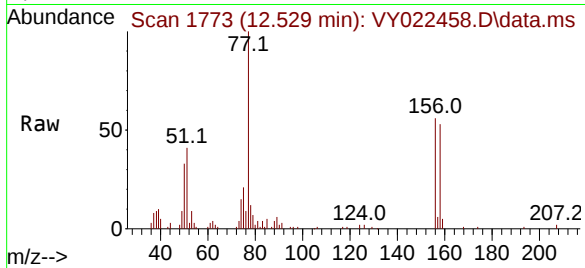




#77
Bromobenzene
Concen: 4.502 ug/l
RT: 12.529 min Scan# 1773
Delta R.T. -0.006 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

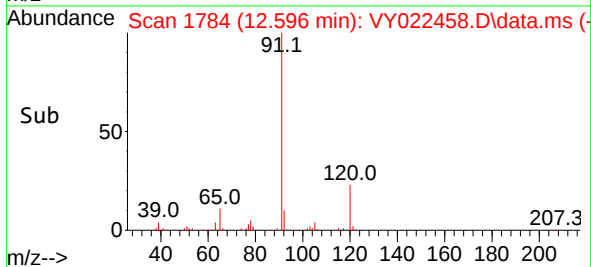
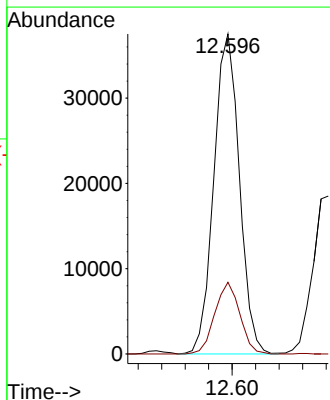
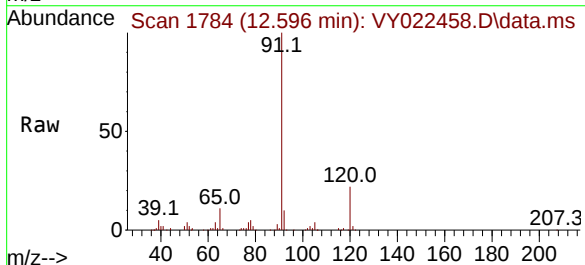
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

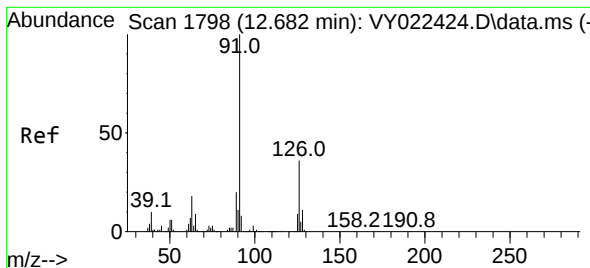
Tgt Ion:156 Resp: 9715
Ion Ratio Lower Upper
156 100
77 187.7 91.4 274.2
158 95.8 48.1 144.3



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

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





#79

2-Chlorotoluene

Concen: 4.577 ug/l

RT: 12.682 min Scan# 1798

Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

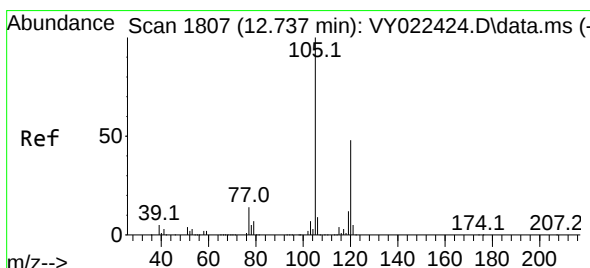
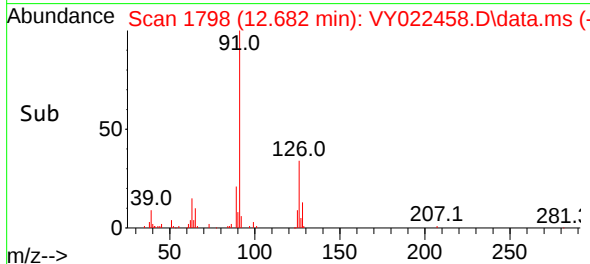
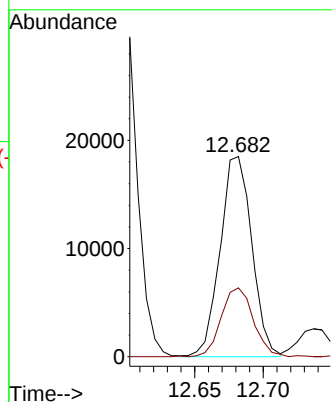
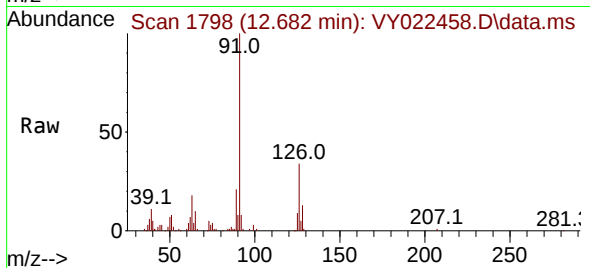
MDL-SOIL-03-QT2-2025

Tgt Ion: 91 Resp: 29813

Ion Ratio Lower Upper

91 100

126 34.9 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 4.626 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY022458.D

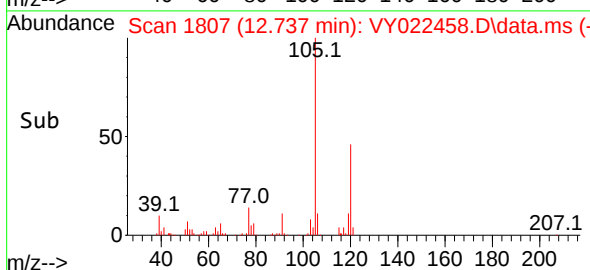
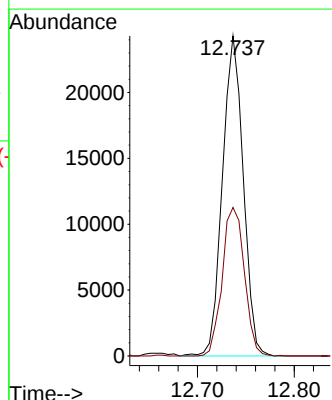
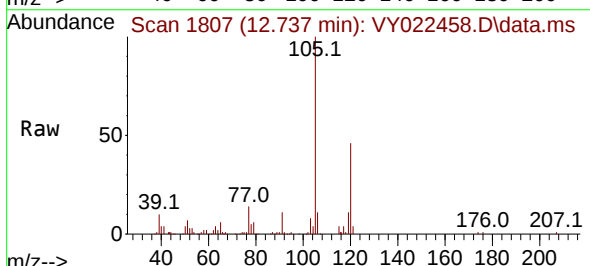
Acq: 29 May 2025 11:38

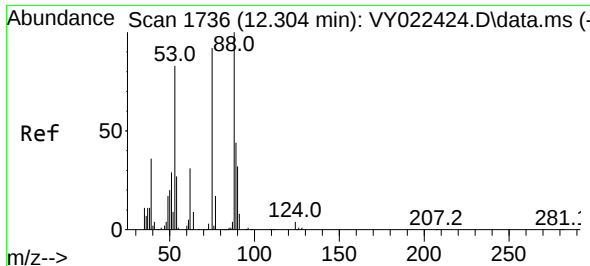
Tgt Ion: 105 Resp: 36238

Ion Ratio Lower Upper

105 100

120 49.4 24.3 73.0

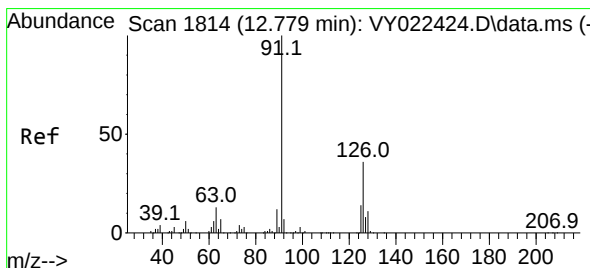
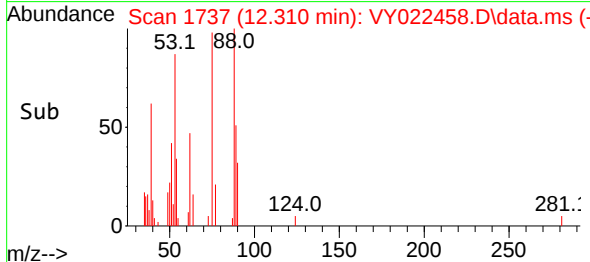
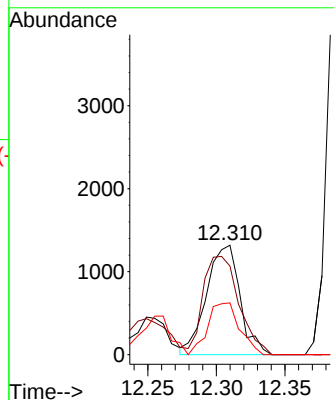
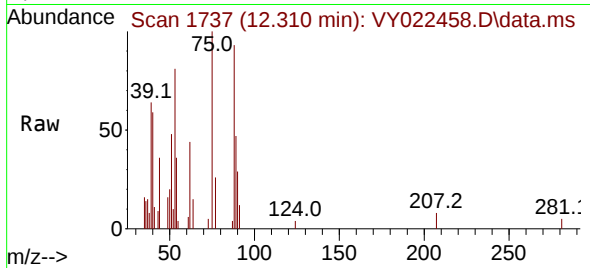




#81
trans-1,4-Dichloro-2-butene
Concen: 3.963 ug/l
RT: 12.310 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

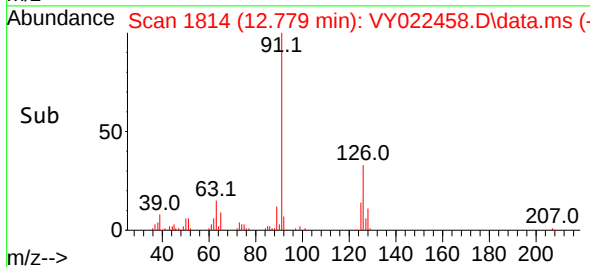
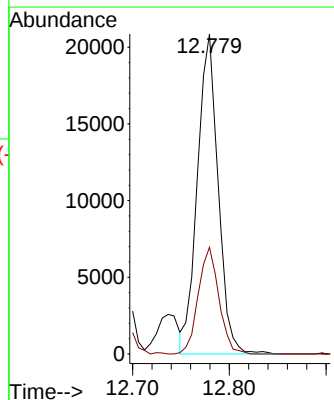
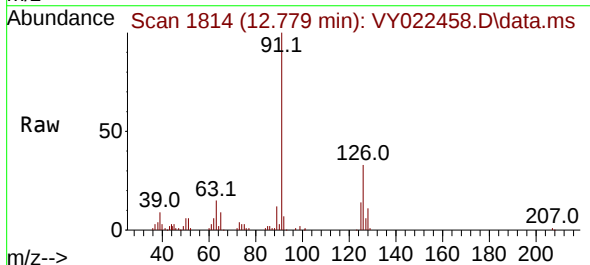
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

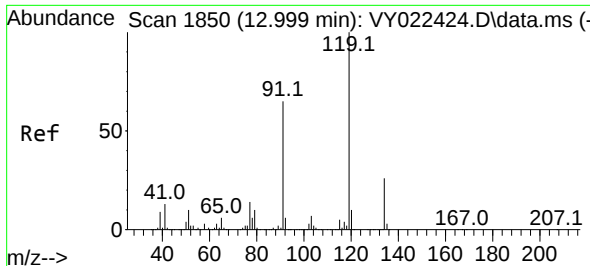
Tgt Ion: 75 Resp: 2236
Ion Ratio Lower Upper
75 100
53 96.2 75.1 112.7
89 45.3 37.4 56.0



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

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

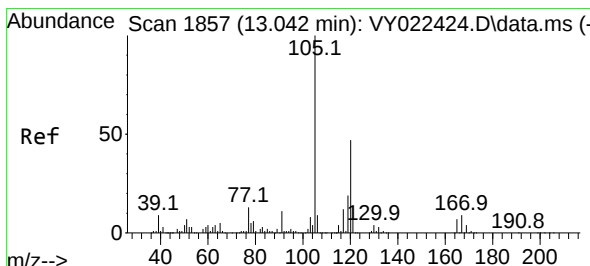
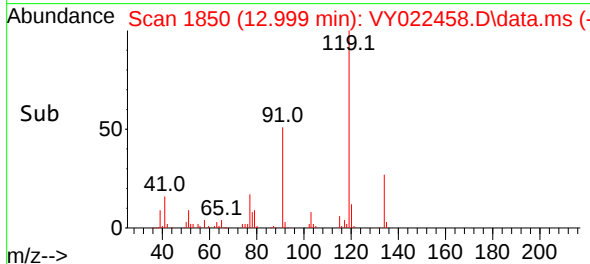
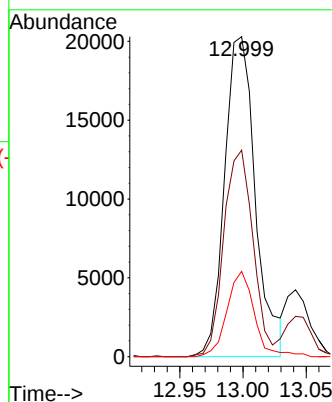
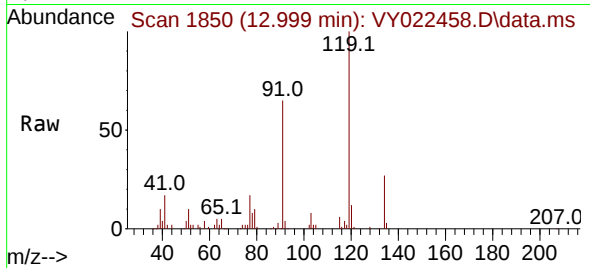




#83
tert-Butylbenzene
Concen: 4.866 ug/l
RT: 12.999 min Scan# 1850
Delta R.T. 0.000 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

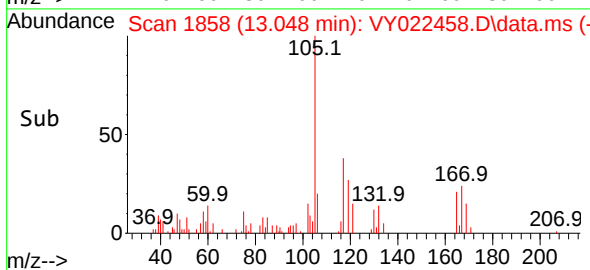
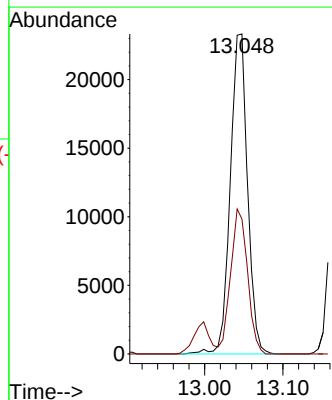
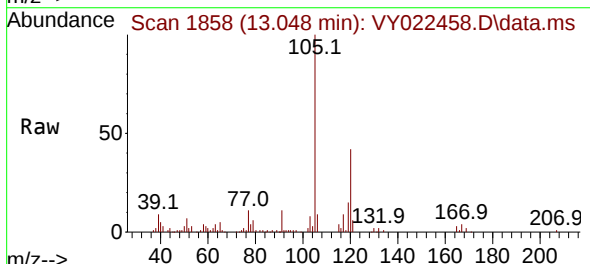
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2025

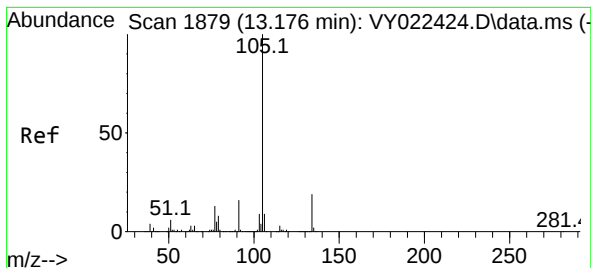
Tgt Ion:	119	Resp:	34440
Ion Ratio	Lower	Upper	
119	100		
91	61.1	31.8	95.3
134	23.7	13.0	38.9



#84
1,2,4-Trimethylbenzene
Concen: 4.521 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

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





#85

sec-Butylbenzene

Concen: 4.868 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

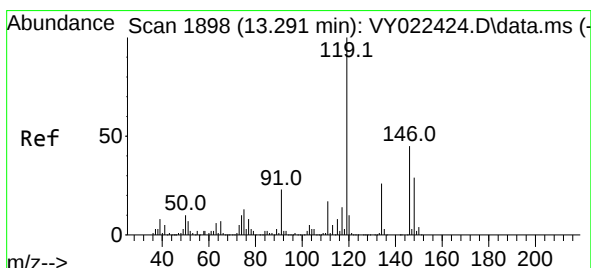
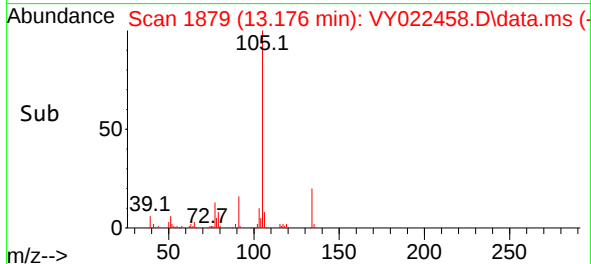
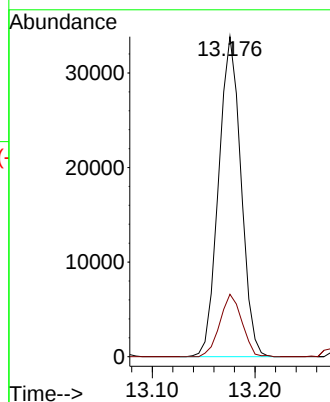
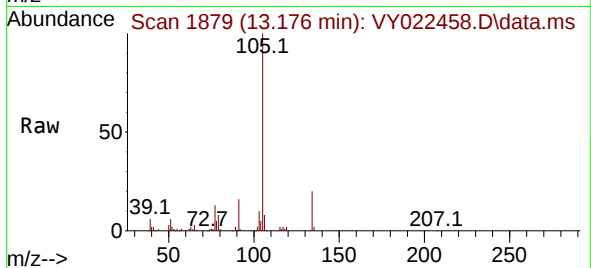
MDL-SOIL-03-QT2-2025

Tgt Ion:105 Resp: 51105

Ion Ratio Lower Upper

105 100

134 19.3 9.7 29.1



#86

p-Isopropyltoluene

Concen: 4.551 ug/l

RT: 13.291 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

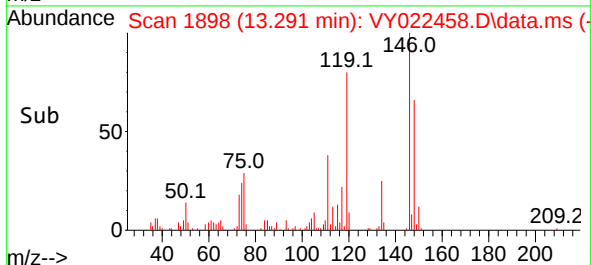
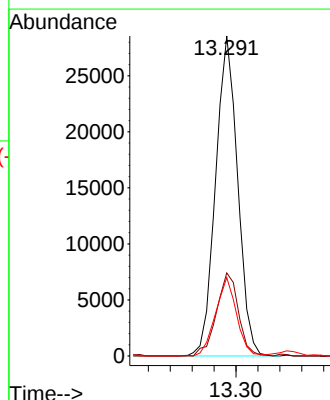
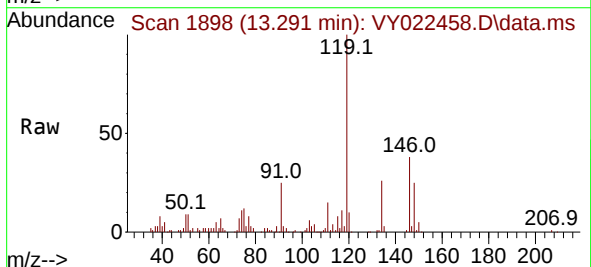
Tgt Ion:119 Resp: 39893

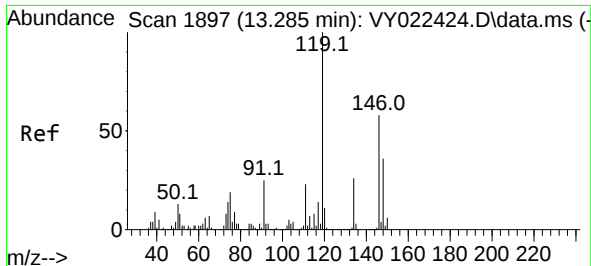
Ion Ratio Lower Upper

119 100

134 25.8 13.0 39.0

91 23.4 11.6 34.8





#87

1,3-Dichlorobenzene

Concen: 4.395 ug/l

RT: 13.285 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

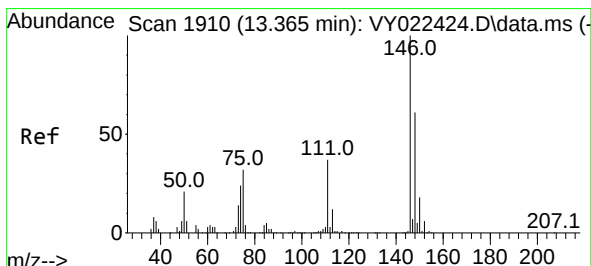
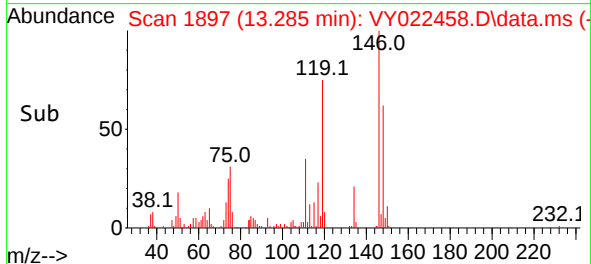
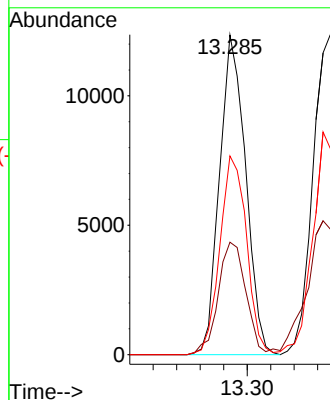
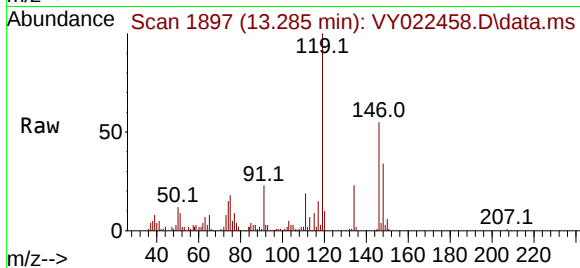
Tgt Ion:146 Resp: 19083

Ion Ratio Lower Upper

146 100

111 37.1 19.6 58.8

148 63.5 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 4.718 ug/l

RT: 13.371 min Scan# 1911

Delta R.T. 0.006 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

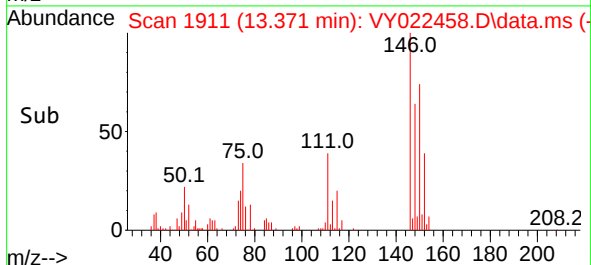
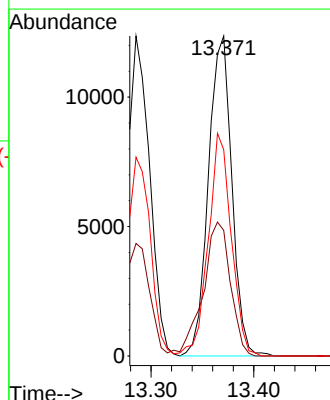
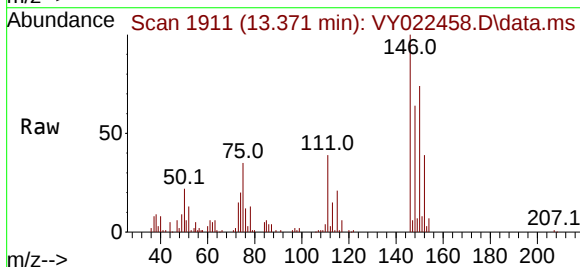
Tgt Ion:146 Resp: 19587

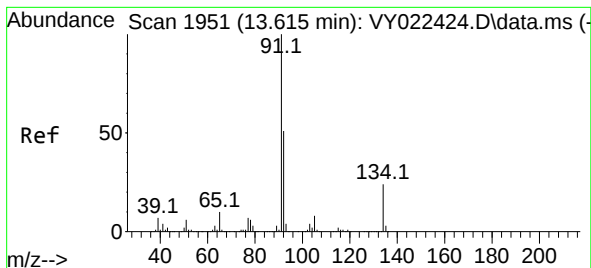
Ion Ratio Lower Upper

146 100

111 49.2 18.7 56.1

148 68.4 31.4 94.3





#89

n-Butylbenzene

Concen: 4.771 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

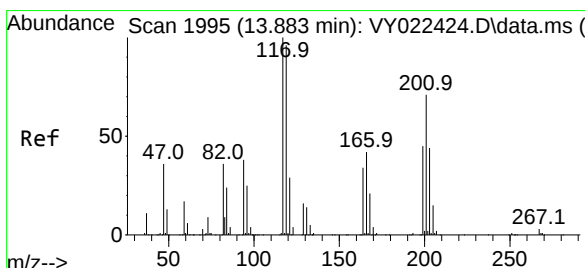
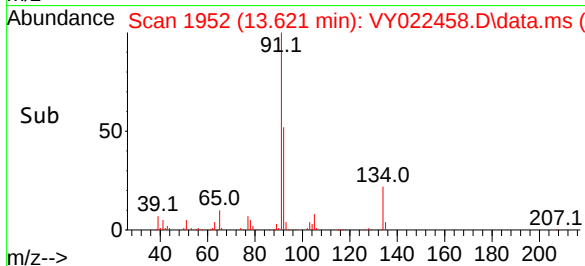
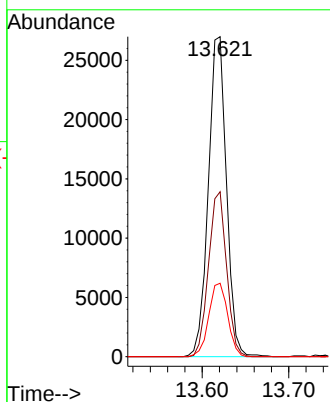
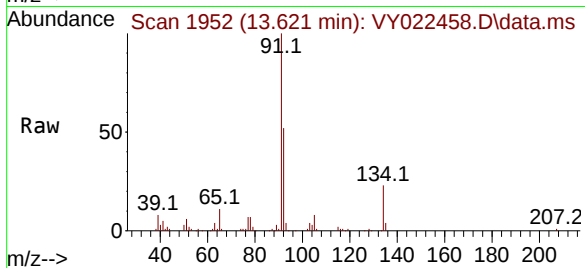
Tgt Ion: 91 Resp: 39214

Ion Ratio Lower Upper

91 100

92 51.4 25.9 77.6

134 24.0 12.4 37.0



#90

Hexachloroethane

Concen: 5.099 ug/l

RT: 13.883 min Scan# 1995

Delta R.T. 0.000 min

Lab File: VY022458.D

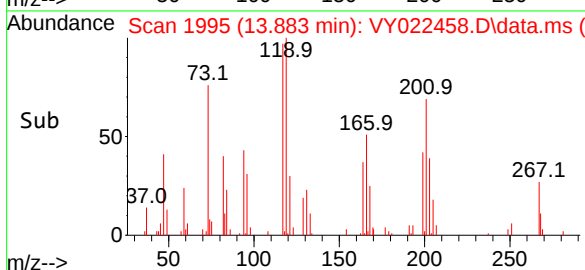
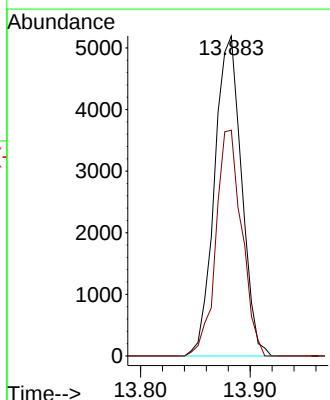
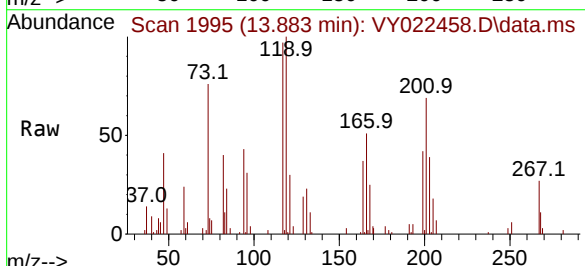
Acq: 29 May 2025 11:38

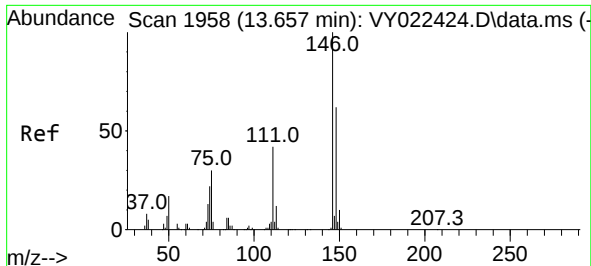
Tgt Ion: 117 Resp: 8894

Ion Ratio Lower Upper

117 100

201 67.6 35.0 105.0

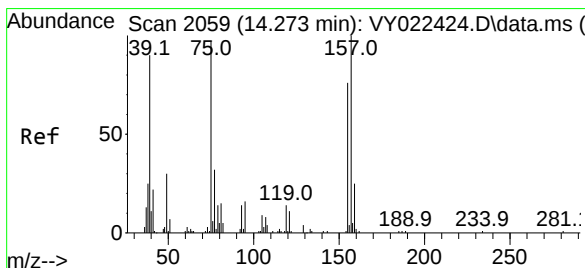
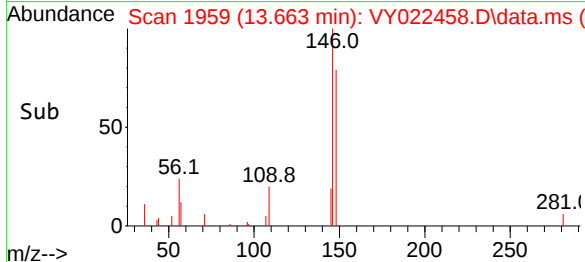
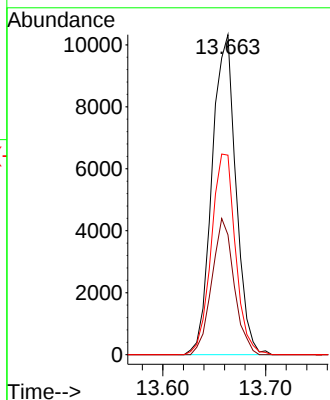
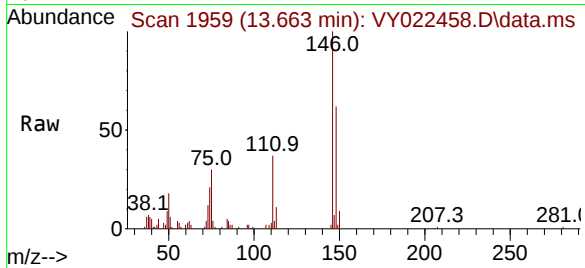




#91
1,2-Dichlorobenzene
Concen: 4.590 ug/l
RT: 13.663 min Scan# 1959
Delta R.T. 0.006 min
Lab File: VY022458.D
Acq: 29 May 2025 11:38

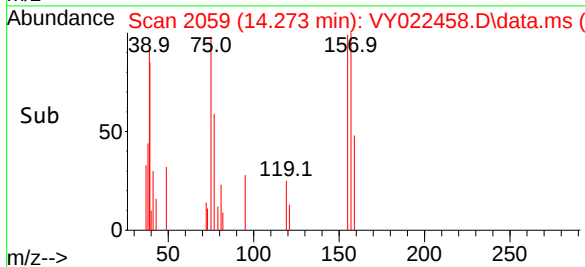
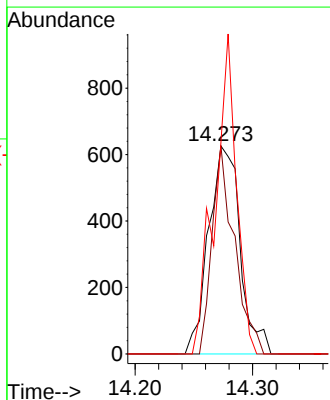
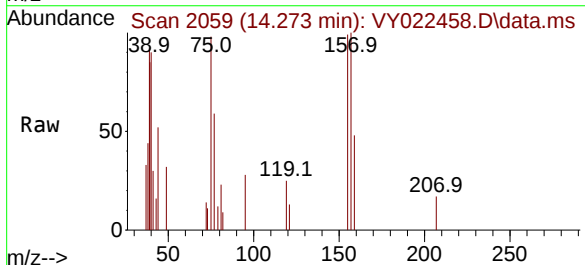
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2025

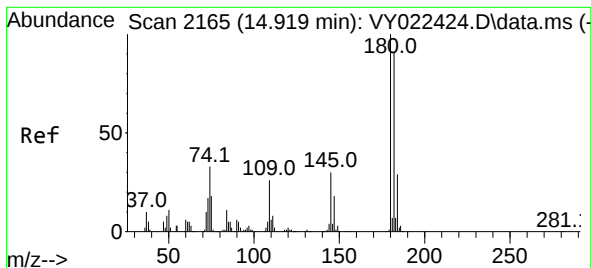
Tgt Ion:146 Resp: 16643
Ion Ratio Lower Upper
146 100
111 39.7 20.5 61.6
148 63.7 31.9 95.9



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

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





#93

1,2,4-Trichlorobenzene

Concen: 4.979 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

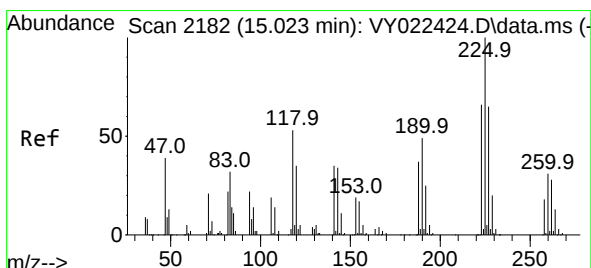
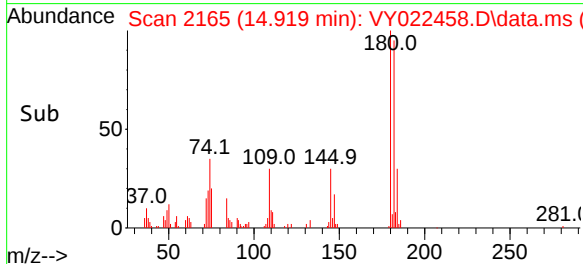
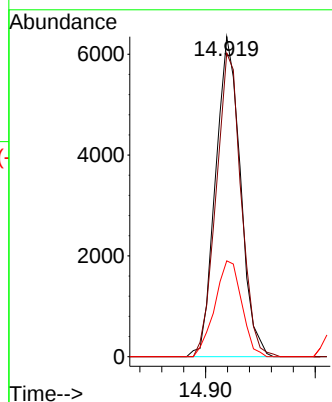
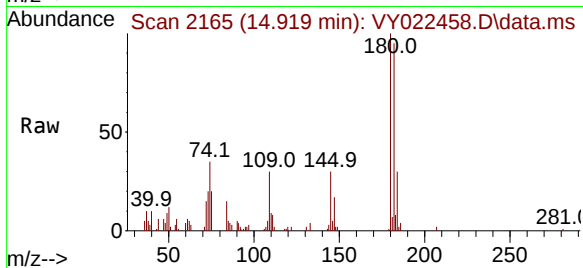
Tgt Ion:180 Resp: 10009

Ion Ratio Lower Upper

180 100

182 95.0 46.2 138.6

145 32.3 14.2 42.8



#94

Hexachlorobutadiene

Concen: 6.120 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

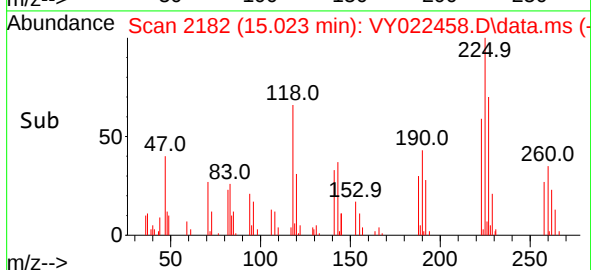
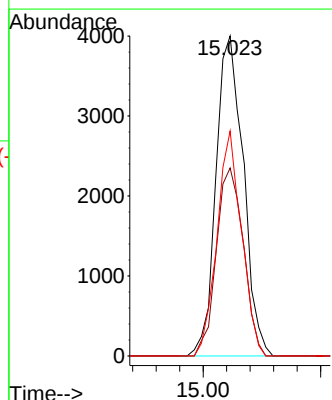
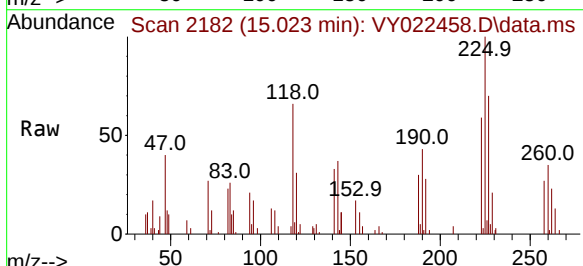
Tgt Ion:225 Resp: 6457

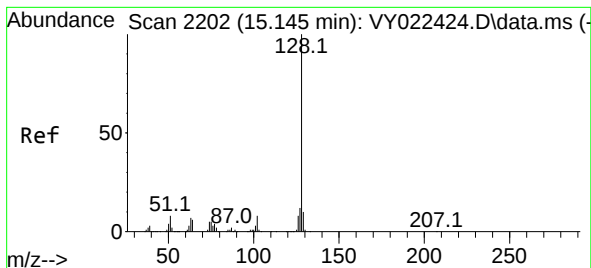
Ion Ratio Lower Upper

225 100

223 58.3 32.6 97.7

227 63.0 33.0 99.0





#95

Naphthalene

Concen: 4.302 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2025

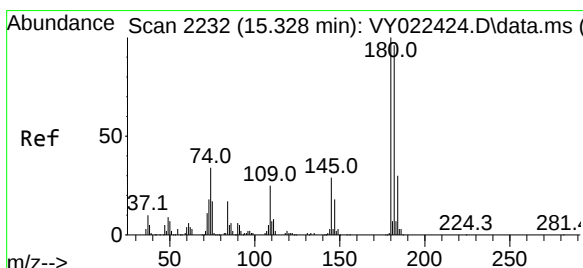
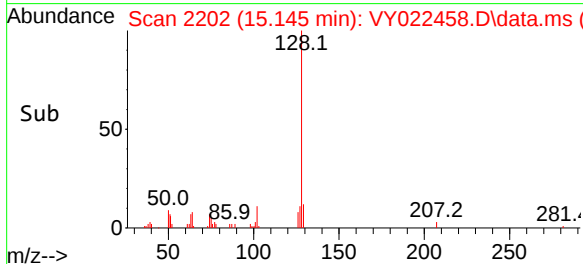
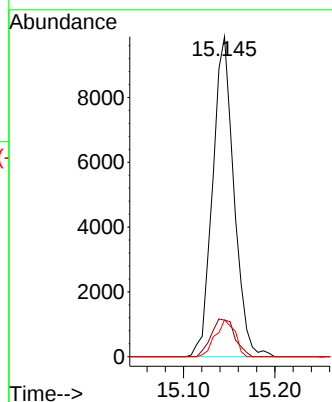
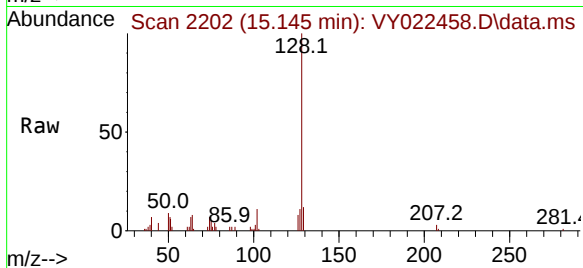
Tgt Ion:128 Resp: 15989

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

129 10.6 8.5 12.7



#96

1,2,3-Trichlorobenzene

Concen: 4.977 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY022458.D

Acq: 29 May 2025 11:38

Tgt Ion:180 Resp: 8206

Ion Ratio Lower Upper

180 100

182 99.2 48.1 144.3

145 34.3 14.9 44.5

