

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111225\
 Data File : VW032442.D
 Acq On : 12 Nov 2025 16:20
 Operator : SY/MD
 Sample : Q3530-03
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-03-QT4-2025

Quant Time: Nov 14 05:19:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	361398	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	708904	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	651755	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.550	152	296751	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	271071	58.179	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 116.360%	
35) Dibromofluoromethane	7.898	113	224574	52.911	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 105.820%	
50) Toluene-d8	10.325	98	864064	53.066	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 106.140%	
62) 4-Bromofluorobenzene	12.617	95	312765	50.848	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 101.700%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.046	85	6774	3.694	ug/l	98
3) Chloromethane	2.253	50	14697	4.676	ug/l	93
4) Vinyl Chloride	2.399	62	16187	4.081	ug/l	96
5) Bromomethane	2.826	94	11303	4.260	ug/l	95
6) Chloroethane	2.972	64	10680	4.115	ug/l #	88
7) Trichlorofluoromethane	3.314	101	10732	3.451	ug/l	87
8) Diethyl Ether	3.722	74	10842	4.264	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	14865	4.388	ug/l #	74
10) Methyl Iodide	4.307	142	21149	3.876	ug/l	99
11) Tert butyl alcohol	5.216	59	8297	20.594	ug/l #	78
12) 1,1-Dichloroethene	4.076	96	16696	4.298	ug/l	99
13) Acrolein	3.929	56	9046	13.382	ug/l	95
14) Allyl chloride	4.704	41	28489	3.814	ug/l	94
15) Acrylonitrile	5.405	53	28893	19.654	ug/l	96
16) Acetone	4.161	43	30157	21.634	ug/l	97
17) Carbon Disulfide	4.423	76	43750	3.811	ug/l	98
18) Methyl Acetate	4.716	43	16064	4.654	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	30389	3.711	ug/l	96
20) Methylene Chloride	4.954	84	31015	6.222	ug/l	94
21) trans-1,2-Dichloroethene	5.460	96	17749	3.996	ug/l	88
22) Diisopropyl ether	6.338	45	58994	3.879	ug/l	92
23) Vinyl Acetate	6.289	43	182223	17.487	ug/l	96
24) 1,1-Dichloroethane	6.246	63	36488	4.379	ug/l	98
25) 2-Butanone	7.197	43	42290	20.593	ug/l	99
26) 2,2-Dichloropropane	7.185	77	21414	4.611	ug/l	94
27) cis-1,2-Dichloroethene	7.191	96	21459	4.043	ug/l	92
28) Bromochloromethane	7.532	49	17945	4.556	ug/l	98
29) Tetrahydrofuran	7.563	42	25616	19.652	ug/l	98
30) Chloroform	7.691	83	35845	4.394	ug/l	95
31) Cyclohexane	7.965	56	35924	4.661	ug/l #	82
32) 1,1,1-Trichloroethane	7.886	97	23501	4.033	ug/l	95
36) 1,1-Dichloropropene	8.093	75	23570	3.769	ug/l	98
37) Ethyl Acetate	7.283	43	19057	4.098	ug/l #	93
38) Carbon Tetrachloride	8.087	117	21967	3.953	ug/l #	89
39) Methylcyclohexane	9.343	83	28038	3.461	ug/l	86
40) Benzene	8.331	78	79163	3.931	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	9583	3.751	ug/l	91
42) 1,2-Dichloroethane	8.410	62	24450	4.133	ug/l	99
43) Isopropyl Acetate	8.435	43	29390	3.569	ug/l	98
44) Trichloroethene	9.105	130	18612	3.972	ug/l	87
45) 1,2-Dichloropropane	9.374	63	19581	3.905	ug/l	97
46) Dibromomethane	9.465	93	11980	4.088	ug/l	96
47) Bromodichloromethane	9.654	83	25606	3.831	ug/l #	95
48) Methyl methacrylate	9.447	41	12284	3.139	ug/l	92
49) 1,4-Dioxane	9.477	88	3402	82.872	ug/l #	98
51) 4-Methyl-2-Pentanone	10.215	43	82524	18.129	ug/l	98
52) Toluene	10.392	92	48075	3.865	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	23899	3.472	ug/l	95
54) cis-1,3-Dichloropropene	10.081	75	28797	3.617	ug/l	90
55) 1,1,2-Trichloroethane	10.788	97	16017	3.984	ug/l	94
56) Ethyl methacrylate	10.648	69	19329	3.134	ug/l	97
57) 1,3-Dichloropropane	10.934	76	28600	3.983	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.928	63	53305	16.228	ug/l	100
59) 2-Hexanone	10.971	43	56468	16.955	ug/l	93
60) Dibromochloromethane	11.129	129	16049	3.575	ug/l	98
61) 1,2-Dibromoethane	11.233	107	15172	3.875	ug/l	100
64) Tetrachloroethene	10.867	164	15040	3.897	ug/l #	82
65) Chlorobenzene	11.660	112	52389	3.729	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.733	131	15244	3.506	ug/l	91
67) Ethyl Benzene	11.733	91	84877	3.492	ug/l	99
68) m/p-Xylenes	11.843	106	61093	6.694	ug/l	100
69) o-Xylene	12.166	106	28624	3.276	ug/l	98
70) Styrene	12.184	104	48259	3.210	ug/l	99
71) Bromoform	12.355	173	8653	3.360	ug/l #	99
73) Isopropylbenzene	12.465	105	70202	3.221	ug/l	99
74) N-amyl acetate	12.269	43	24655	3.255	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.714	83	21281	4.114	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	25494	6.266	ug/l	33
77) Bromobenzene	12.745	156	18773	3.638	ug/l	91
78) n-propylbenzene	12.800	91	93258	3.514	ug/l	97
79) 2-Chlorotoluene	12.891	91	58633	3.619	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	62566	3.480	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.513	75	5762	3.243	ug/l #	84
82) 4-Chlorotoluene	12.989	91	63227	3.752	ug/l	99
83) tert-Butylbenzene	13.202	119	49327	3.154	ug/l	93
84) 1,2,4-Trimethylbenzene	13.245	105	60960	3.333	ug/l	100
85) sec-Butylbenzene	13.379	105	78598	3.374	ug/l	98
86) p-Isopropyltoluene	13.495	119	61994	3.223	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	39109	3.997	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	40288	4.019	ug/l	93
89) n-Butylbenzene	13.818	91	64502	3.433	ug/l	98
90) Hexachloroethane	14.086	117	12159	3.506	ug/l	92
91) 1,2-Dichlorobenzene	13.867	146	34554	3.847	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.476	75	3838	4.307	ug/l	86
93) 1,2,4-Trichlorobenzene	15.123	180	20595	3.603	ug/l	98
94) Hexachlorobutadiene	15.226	225	9235	3.890	ug/l	91
95) Naphthalene	15.360	128	41841	2.936	ug/l	96
96) 1,2,3-Trichlorobenzene	15.549	180	18516	3.568	ug/l	97

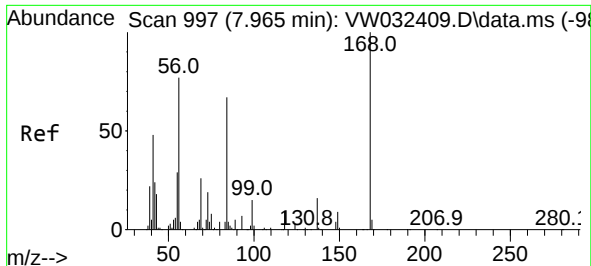
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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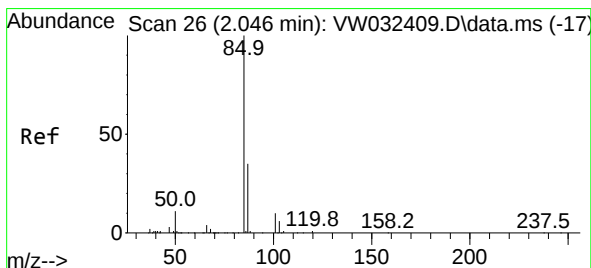
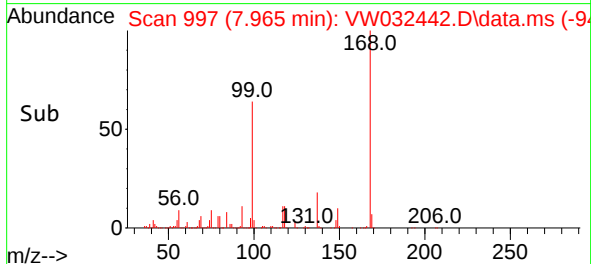
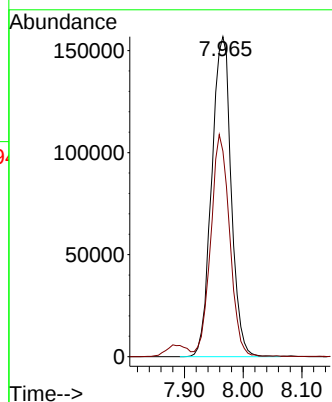
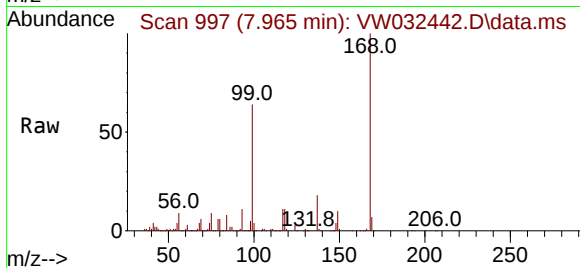
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

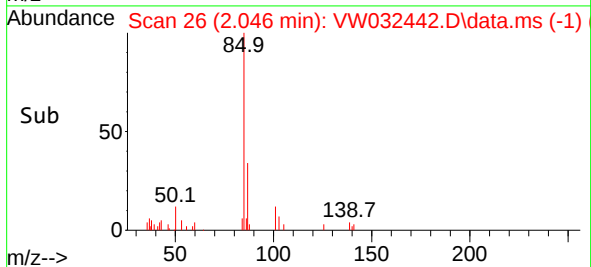
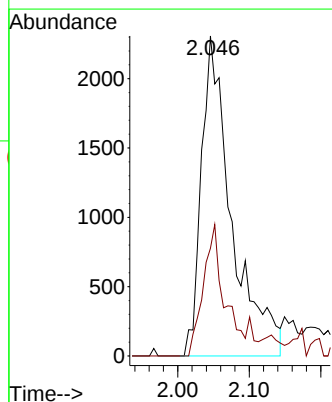
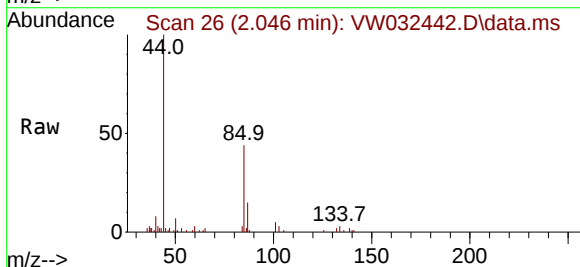
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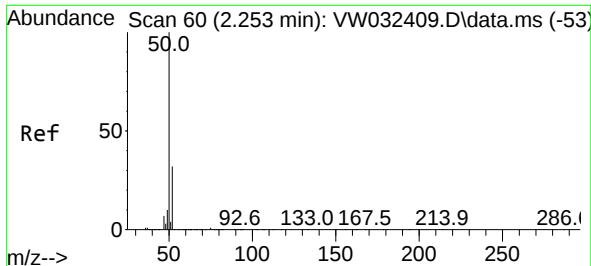
Tgt Ion:168 Resp: 361398
Ion Ratio Lower Upper
168 100
99 64.0 45.4 68.2



#2
Dichlorodifluoromethane
Concen: 3.694 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.000 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

Tgt Ion: 85 Resp: 6774
Ion Ratio Lower Upper
85 100
87 33.7 17.4 52.2

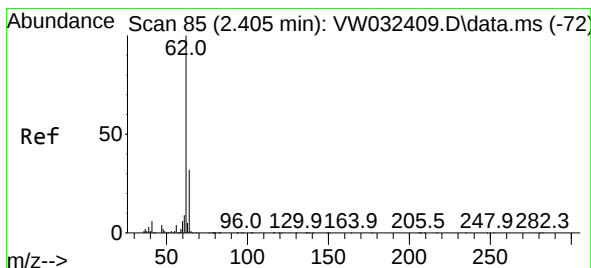
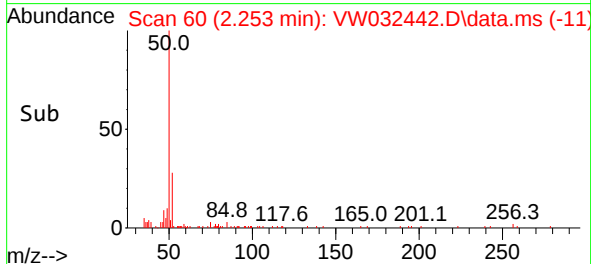
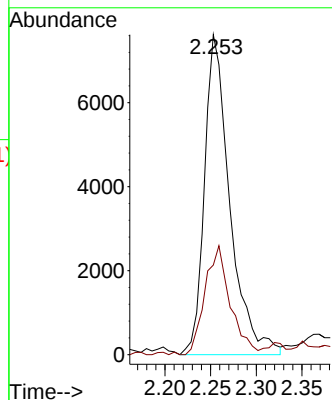
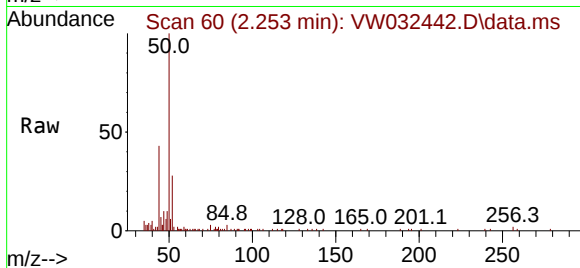




#3
Chloromethane
Concen: 4.676 ug/l
RT: 2.253 min Scan# 60
Delta R.T. 0.000 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

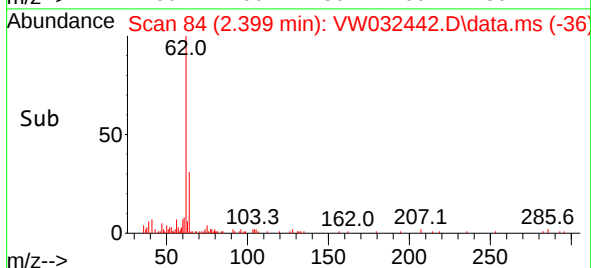
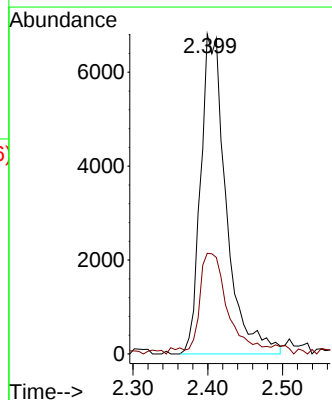
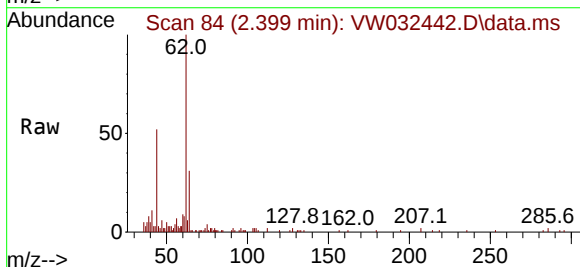
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

Tgt Ion: 50 Resp: 14697
Ion Ratio Lower Upper
50 100
52 28.0 25.5 38.3



#4
Vinyl Chloride
Concen: 4.081 ug/l
RT: 2.399 min Scan# 84
Delta R.T. -0.006 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

Tgt Ion: 62 Resp: 16187
Ion Ratio Lower Upper
62 100
64 29.5 25.2 37.8

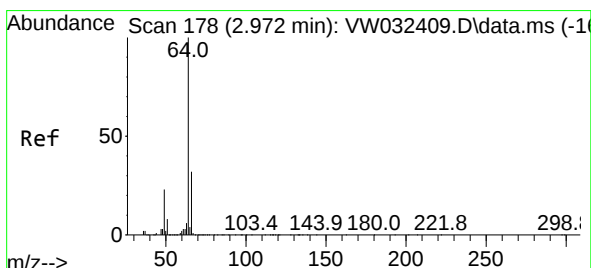
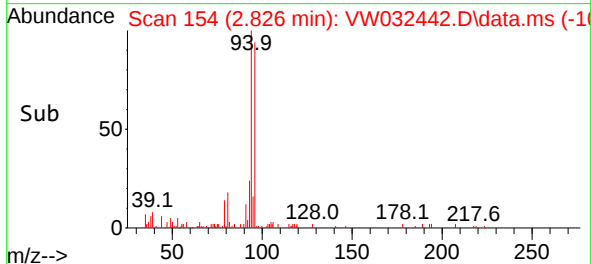
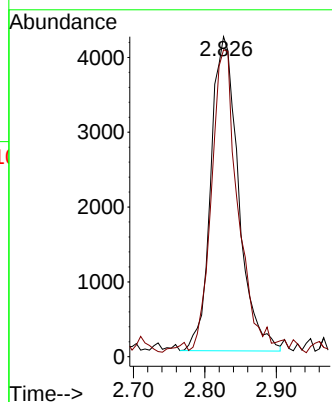
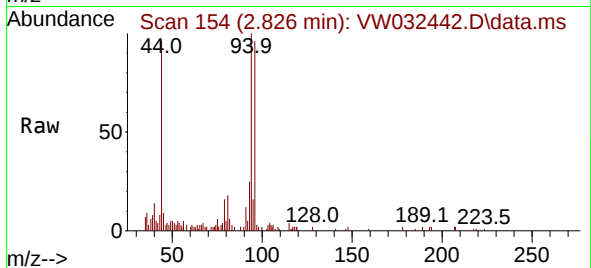




#5
Bromomethane
Concen: 4.260 ug/l
RT: 2.826 min Scan# 154
Delta R.T. 0.000 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

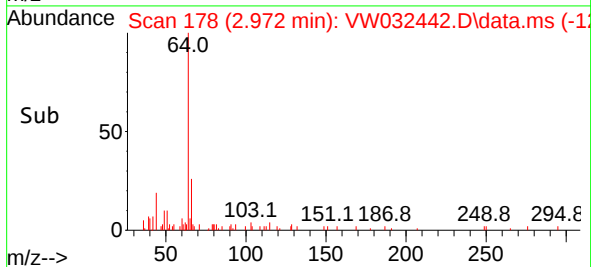
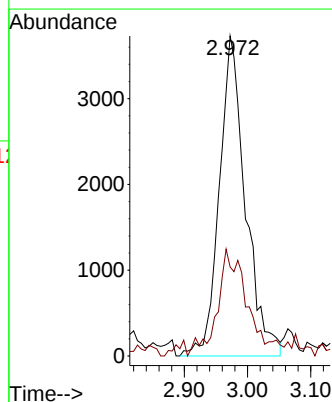
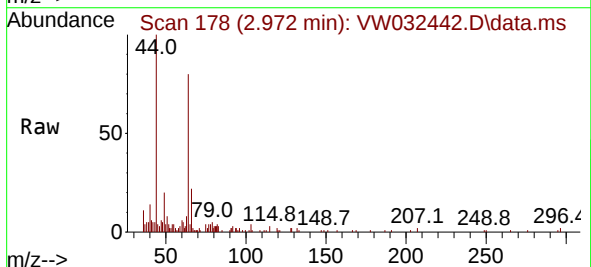
Instrument :
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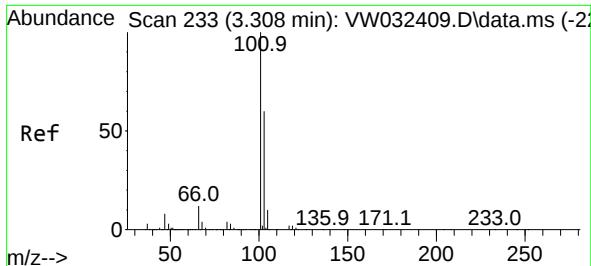
Tgt Ion: 94 Resp: 11303
Ion Ratio Lower Upper
94 100
96 94.3 71.4 107.2



#6
Chloroethane
Concen: 4.115 ug/l
RT: 2.972 min Scan# 178
Delta R.T. 0.000 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

Tgt Ion: 64 Resp: 10680
Ion Ratio Lower Upper
64 100
66 25.6 25.6 38.4#

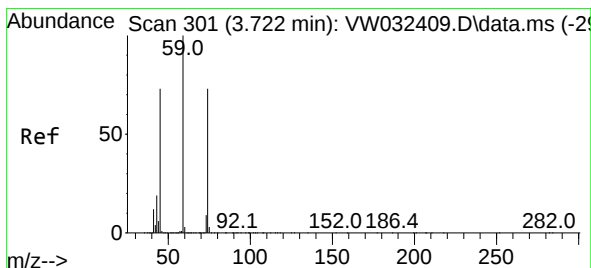
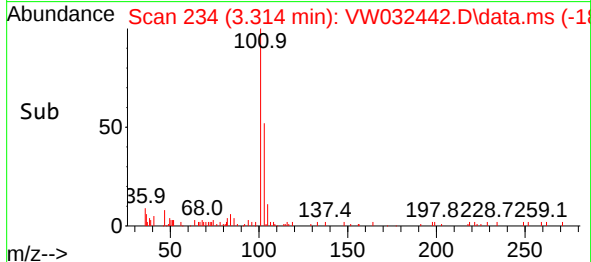
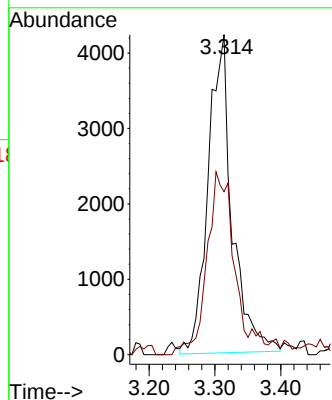
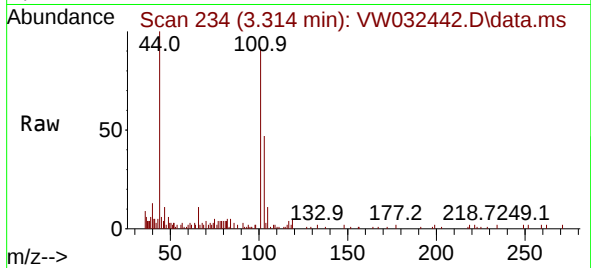




#7
Trichlorofluoromethane
Concen: 3.451 ug/l
RT: 3.314 min Scan# 21
Delta R.T. 0.006 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

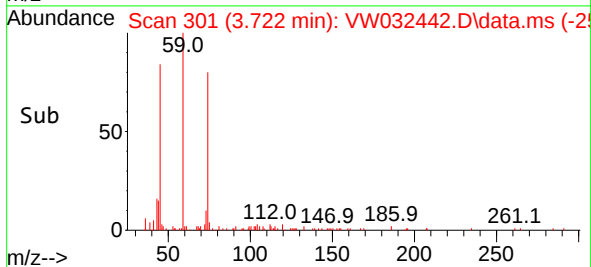
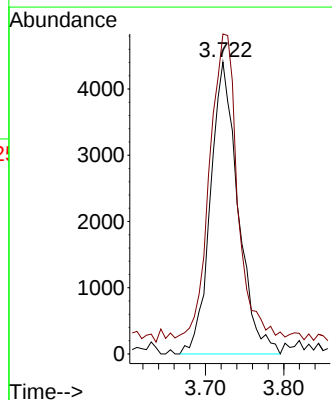
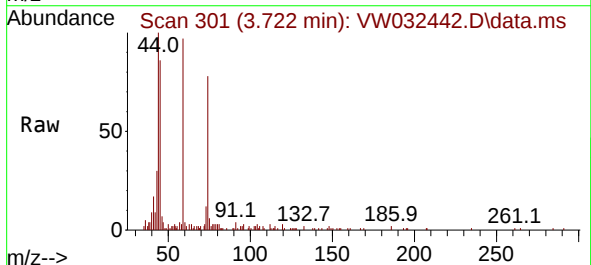
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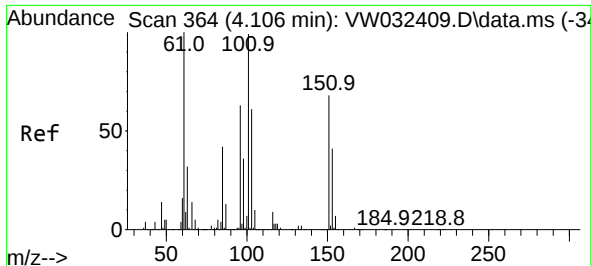
Tgt Ion:101 Resp: 10732
Ion Ratio Lower Upper
101 100
103 50.0 48.0 72.0



#8
Diethyl Ether
Concen: 4.264 ug/l
RT: 3.722 min Scan# 301
Delta R.T. 0.000 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

Tgt Ion: 74 Resp: 10842
Ion Ratio Lower Upper
74 100
45 105.5 51.8 155.4

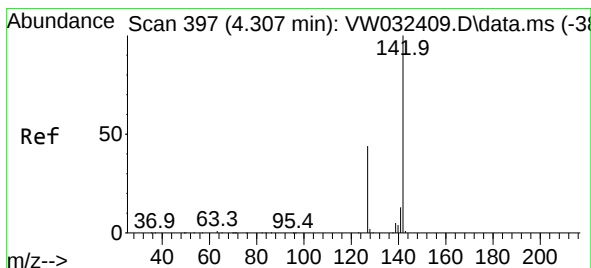
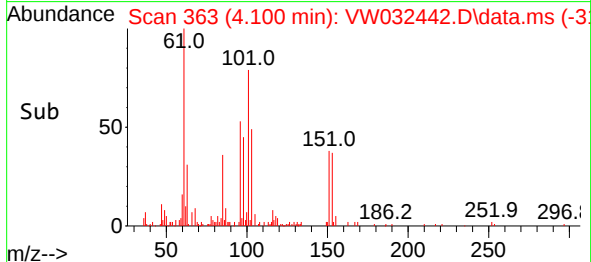
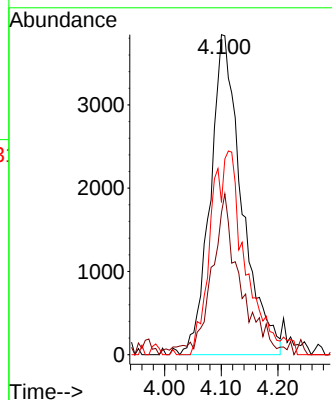
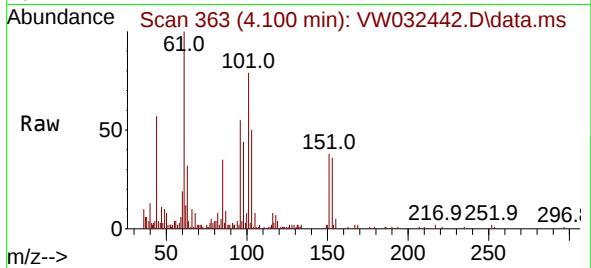




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.388 ug/l
RT: 4.100 min Scan# 363
Delta R.T. -0.006 min
Lab File: VW032442.D
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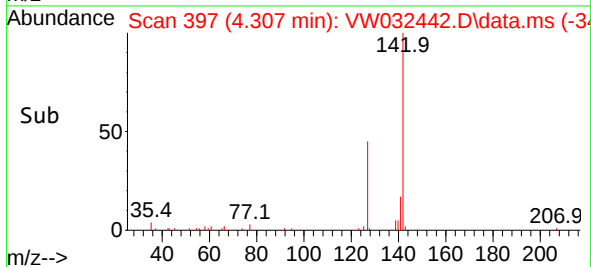
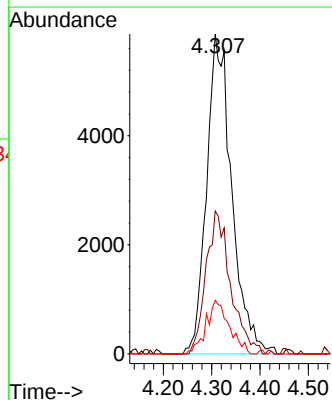
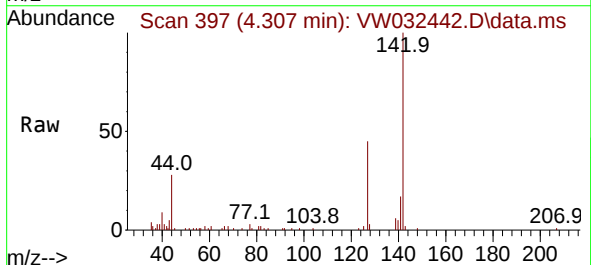
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ClientSampleId :
MDL-SOIL-03-QT4-2025

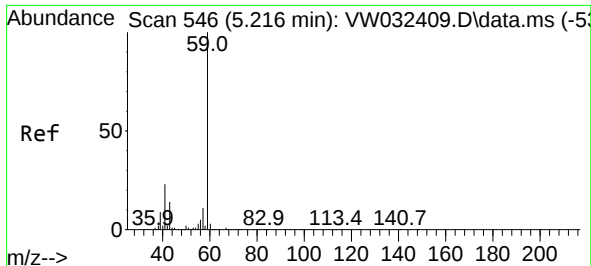
Tgt Ion:101 Resp: 14865
Ion Ratio Lower Upper
101 100
85 46.0 34.1 51.1
151 38.3 56.4 84.6#



#10
Methyl Iodide
Concen: 3.876 ug/l
RT: 4.307 min Scan# 397
Delta R.T. 0.000 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

Tgt Ion:142 Resp: 21149
Ion Ratio Lower Upper
142 100
127 43.6 34.2 51.2
141 15.4 11.8 17.8

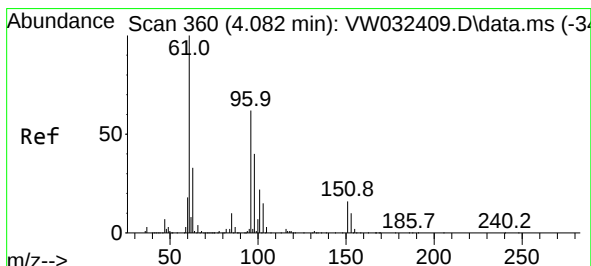
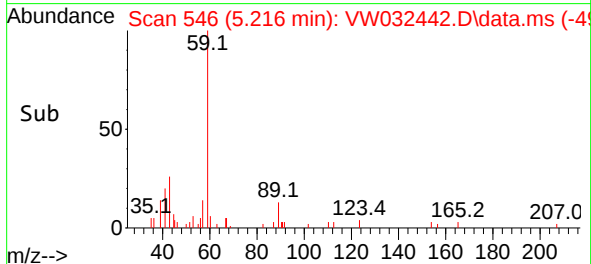
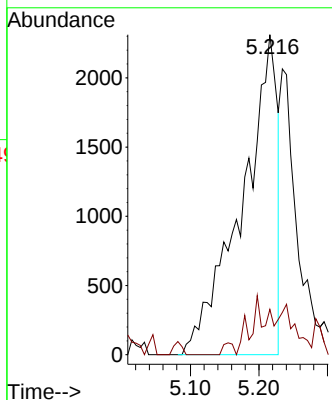
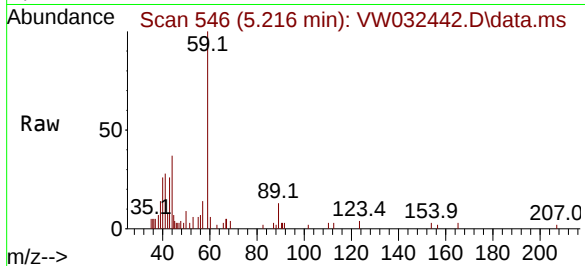




#11
Tert butyl alcohol
Concen: 20.594 ug/l
RT: 5.216 min Scan# 546
Delta R.T. 0.000 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

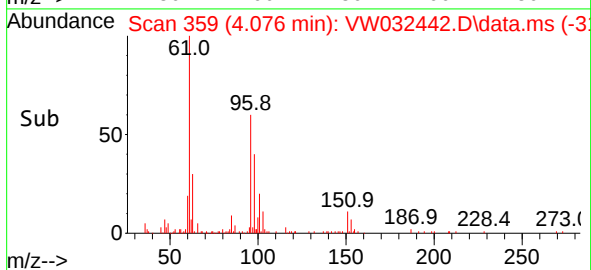
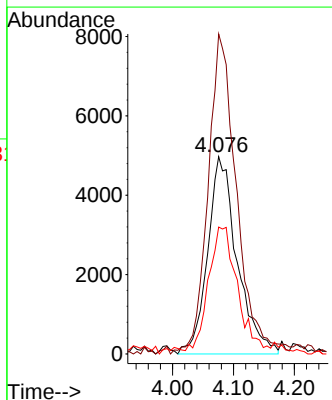
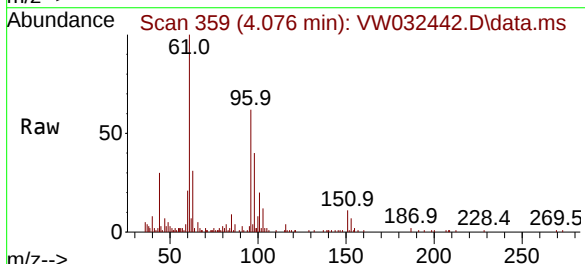
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

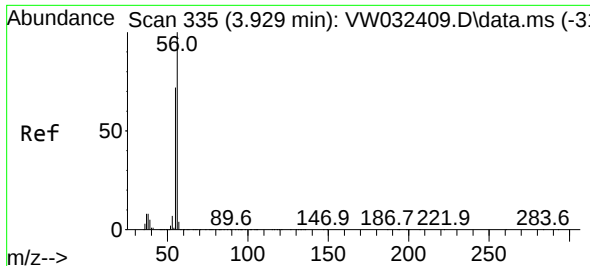
Tgt Ion: 59 Resp: 8297
Ion Ratio Lower Upper
59 100
57 2.4 8.6 12.8#



#12
1,1-Dichloroethene
Concen: 4.298 ug/l
RT: 4.076 min Scan# 359
Delta R.T. -0.006 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

Tgt Ion: 96 Resp: 16696
Ion Ratio Lower Upper
96 100
61 160.4 129.0 193.6
98 61.5 51.1 76.7

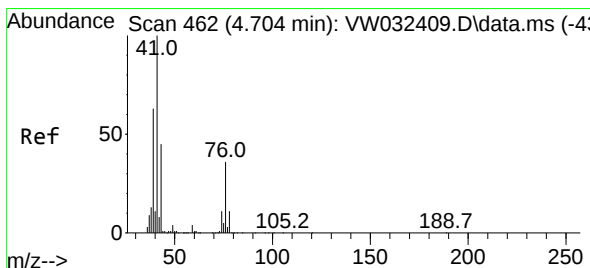
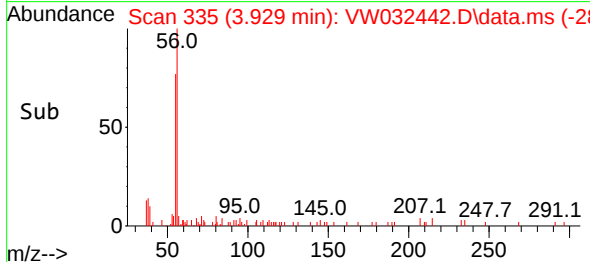
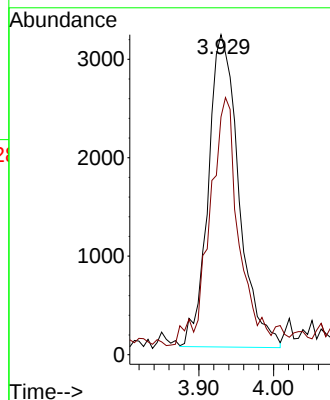
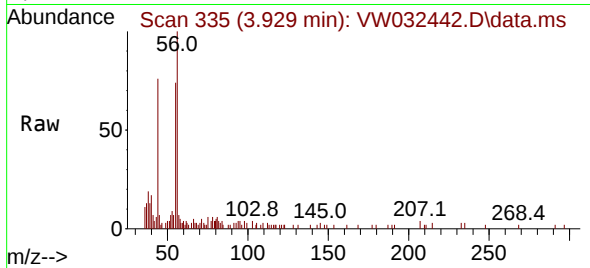




#13
Acrolein
Concen: 13.382 ug/l
RT: 3.929 min Scan# 335
Delta R.T. 0.000 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

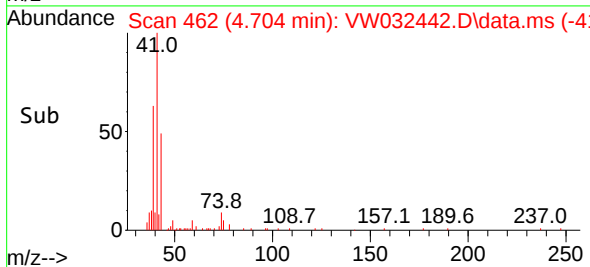
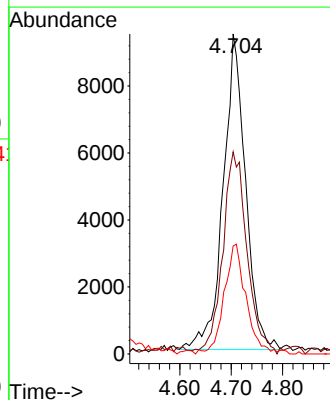
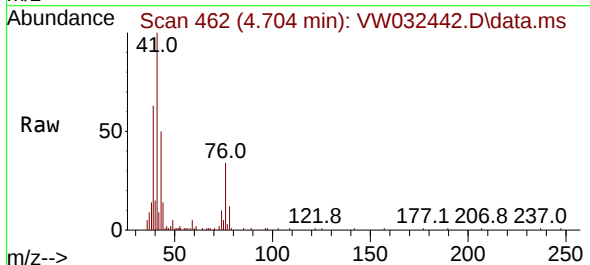
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

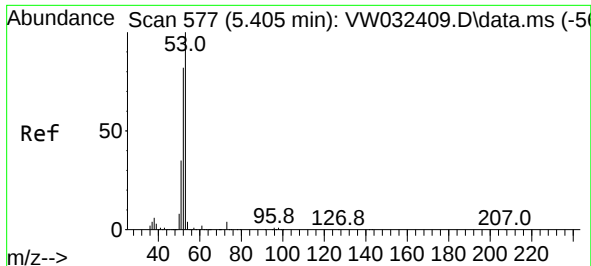
Tgt Ion: 56 Resp: 9046
Ion Ratio Lower Upper
56 100
55 74.8 56.3 84.5



#14
Allyl chloride
Concen: 3.814 ug/l
RT: 4.704 min Scan# 462
Delta R.T. 0.000 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

Tgt Ion: 41 Resp: 28489
Ion Ratio Lower Upper
41 100
39 69.5 50.2 75.2
76 34.0 27.0 40.6

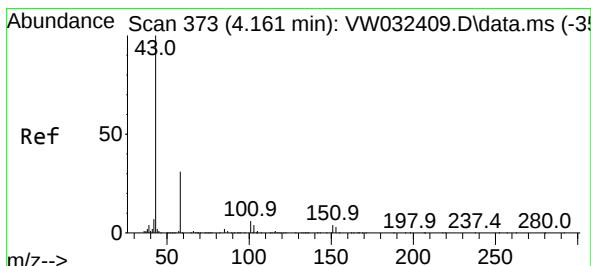
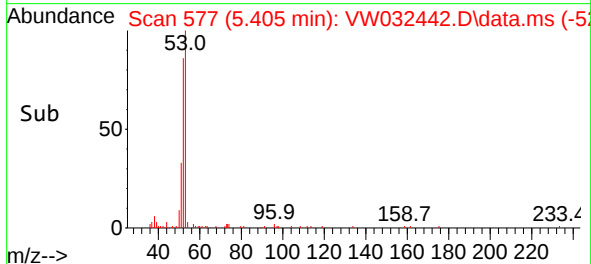
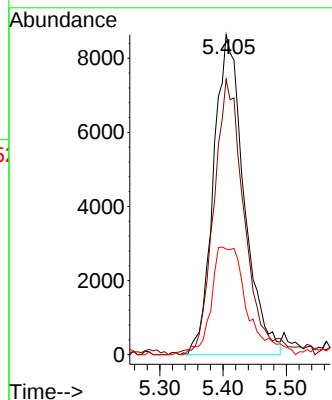
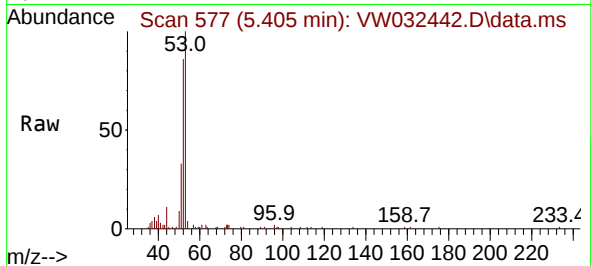




#15
Acrylonitrile
Concen: 19.654 ug/l
RT: 5.405 min Scan# 51
Delta R.T. 0.000 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

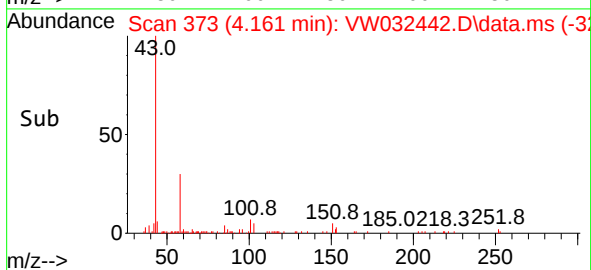
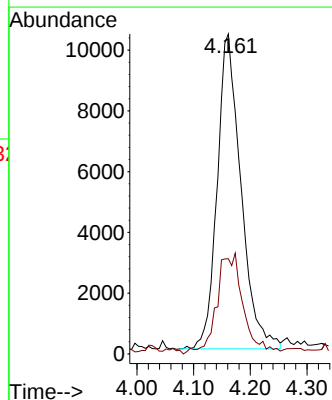
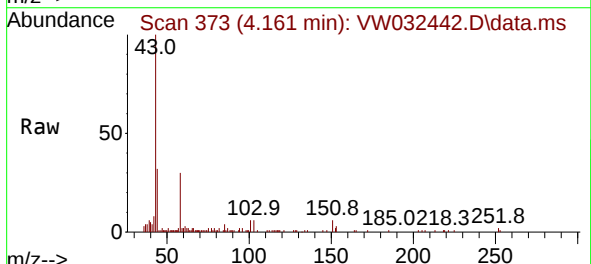
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

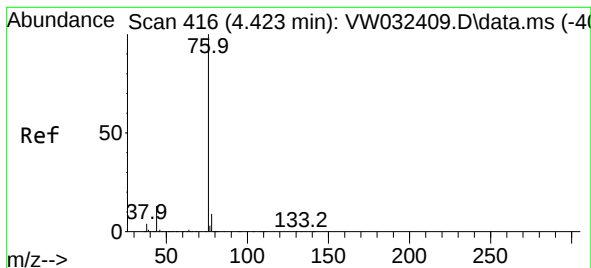
Tgt Ion:	53	Resp:	28893
Ion	Ratio	Lower	Upper
53	100		
52	86.4	66.4	99.6
51	39.2	28.6	43.0



#16
Acetone
Concen: 21.634 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.000 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

Tgt Ion:	43	Resp:	30157
Ion	Ratio	Lower	Upper
43	100		
58	29.1	24.8	37.2





#17

Carbon Disulfide

Concen: 3.811 ug/l

RT: 4.423 min Scan# 416

Delta R.T. 0.000 min

Lab File: VW032442.D

Acq: 12 Nov 2025 16:20

Instrument :

MSVOA_W

ClientSampleId :

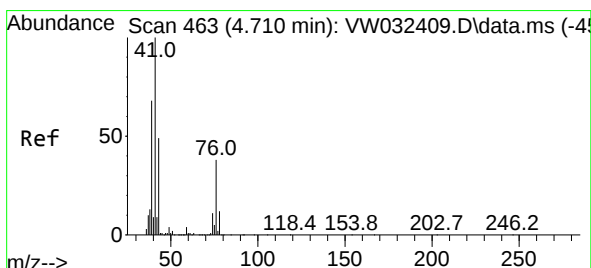
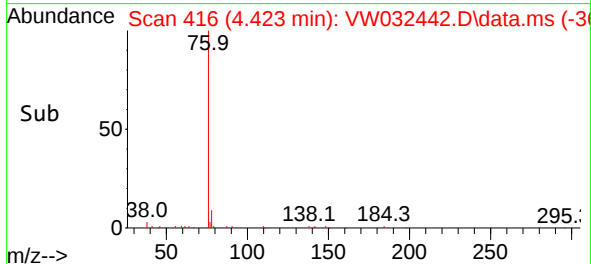
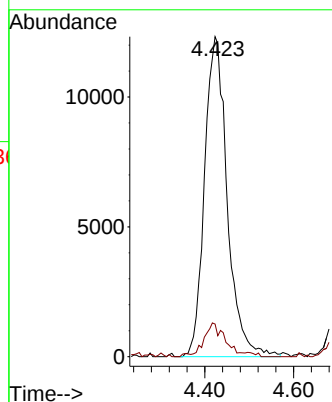
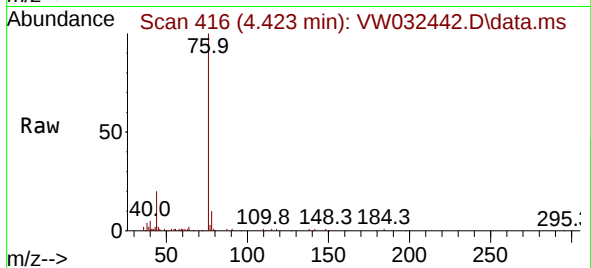
MDL-SOIL-03-QT4-2025

Tgt Ion: 76 Resp: 43750

Ion Ratio Lower Upper

76 100

78 10.2 7.6 11.4



#18

Methyl Acetate

Concen: 4.654 ug/l

RT: 4.716 min Scan# 464

Delta R.T. 0.006 min

Lab File: VW032442.D

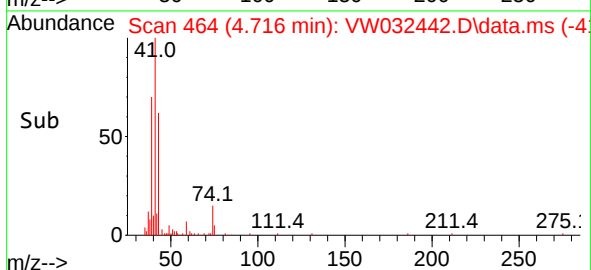
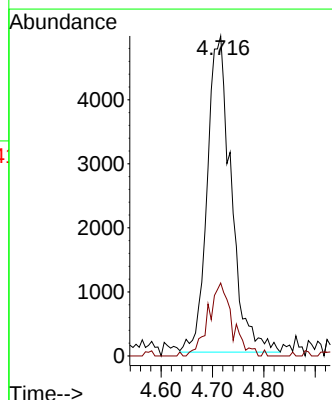
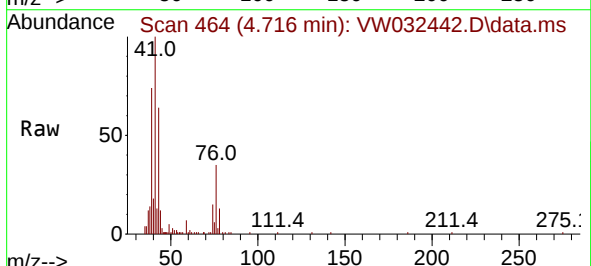
Acq: 12 Nov 2025 16:20

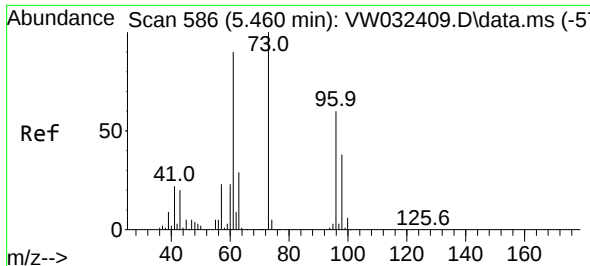
Tgt Ion: 43 Resp: 16064

Ion Ratio Lower Upper

43 100

74 22.8 18.9 28.3

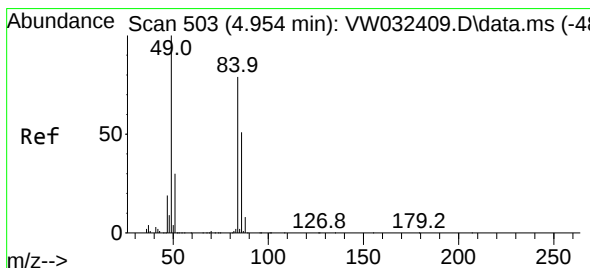
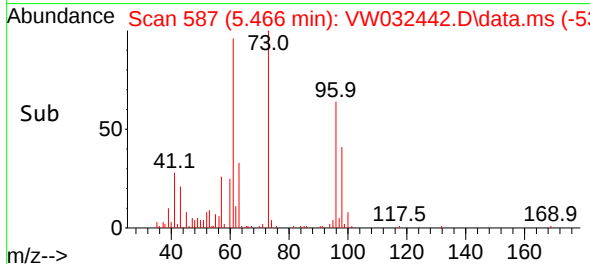
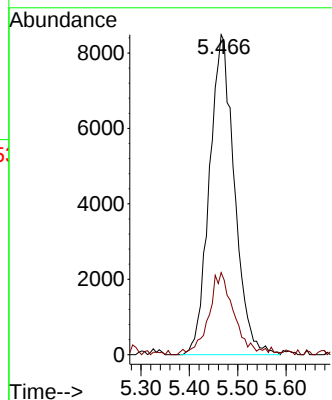
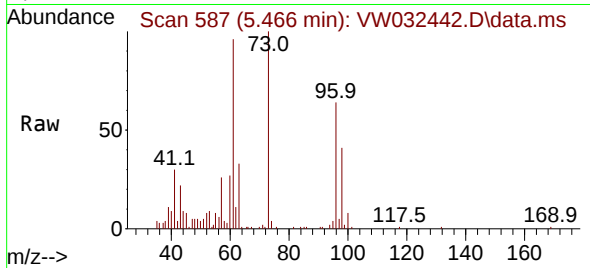




#19
Methyl tert-butyl Ether
Concen: 3.711 ug/l
RT: 5.466 min Scan# 51
Delta R.T. 0.006 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

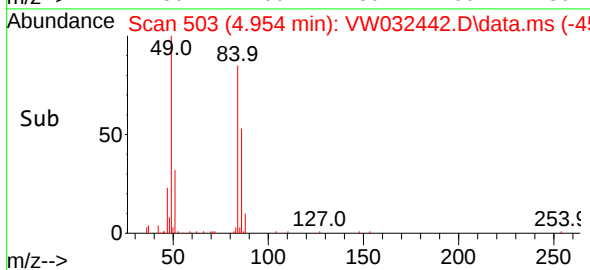
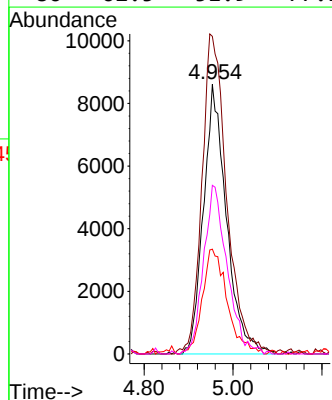
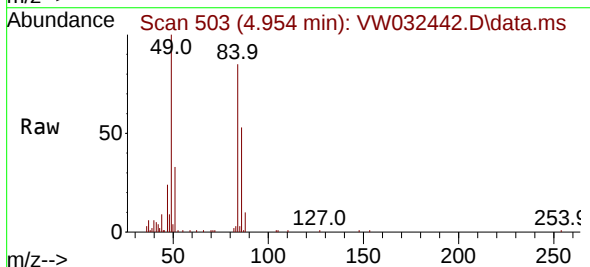
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

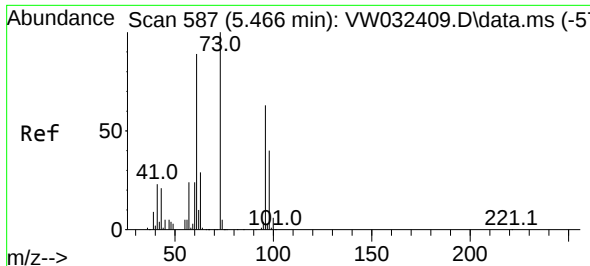
Tgt Ion: 73 Resp: 30389
Ion Ratio Lower Upper
73 100
57 25.0 18.3 27.5



#20
Methylene Chloride
Concen: 6.222 ug/l
RT: 4.954 min Scan# 503
Delta R.T. 0.000 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

Tgt Ion: 84 Resp: 31015
Ion Ratio Lower Upper
84 100
49 116.3 101.5 152.3
51 38.9 30.6 46.0
86 62.5 51.9 77.9

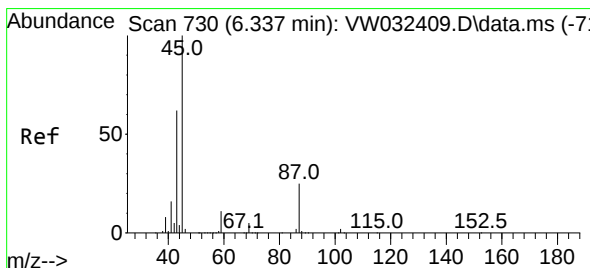
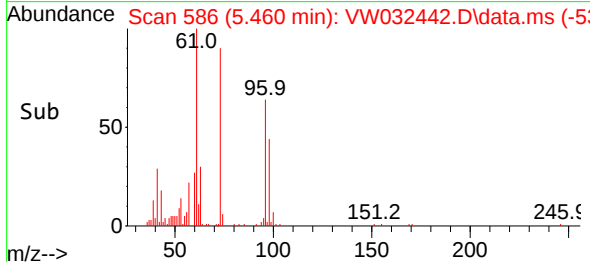
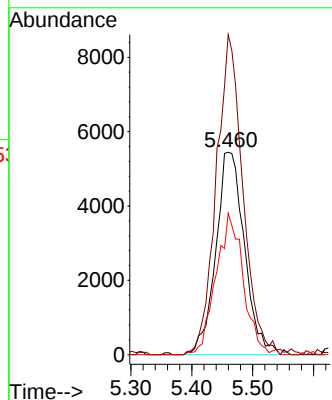
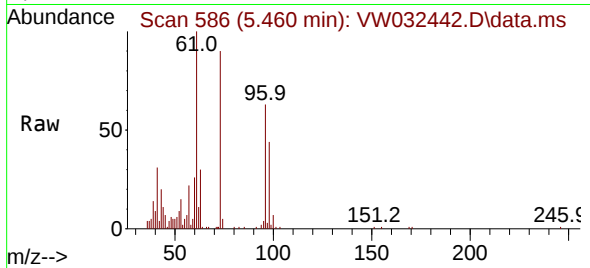




#21
trans-1,2-Dichloroethene
Concen: 3.996 ug/l
RT: 5.460 min Scan# 587
Delta R.T. -0.006 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

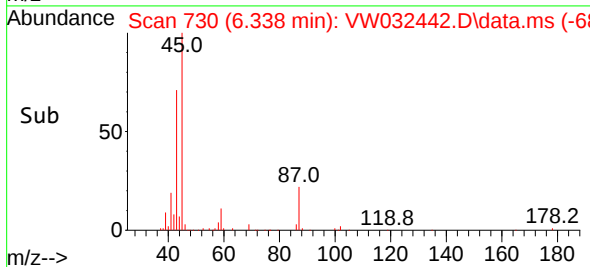
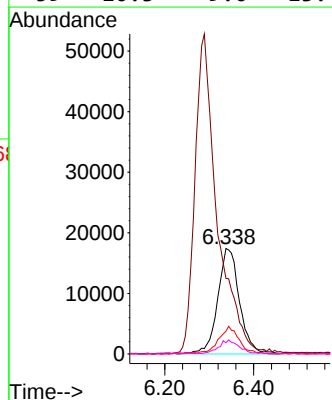
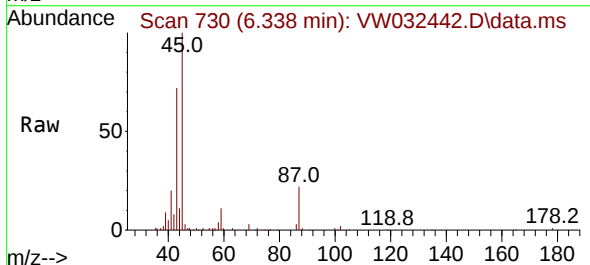
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-03-QT4-2025

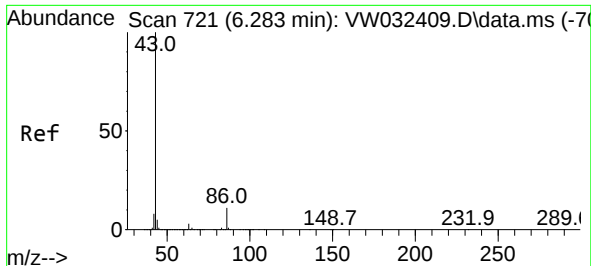
Tgt Ion: 96 Resp: 17749
Ion Ratio Lower Upper
96 100
61 158.1 112.5 168.7
98 69.9 51.1 76.7



#22
Diisopropyl ether
Concen: 3.879 ug/l
RT: 6.338 min Scan# 730
Delta R.T. 0.000 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

Tgt Ion: 45 Resp: 58994
Ion Ratio Lower Upper
45 100
43 69.5 49.4 74.2
87 21.6 20.1 30.1
59 10.3 9.0 13.4

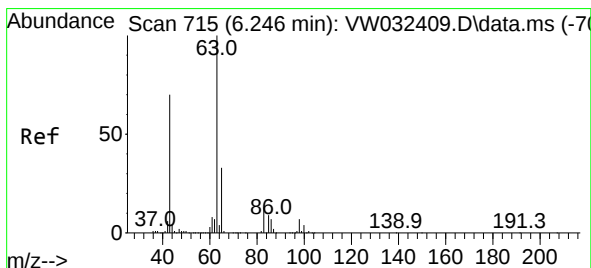
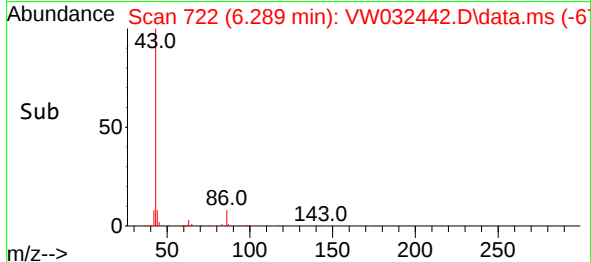
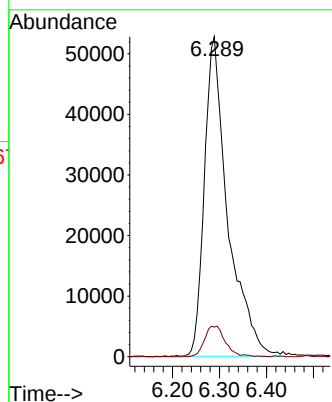
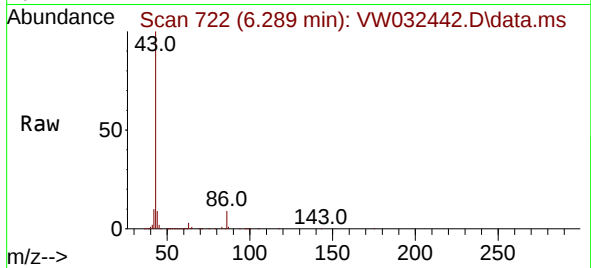




#23
 Vinyl Acetate
 Concen: 17.487 ug/l
 RT: 6.289 min Scan# 715
 Delta R.T. 0.006 min
 Lab File: VW032442.D
 Acq: 12 Nov 2025 16:20

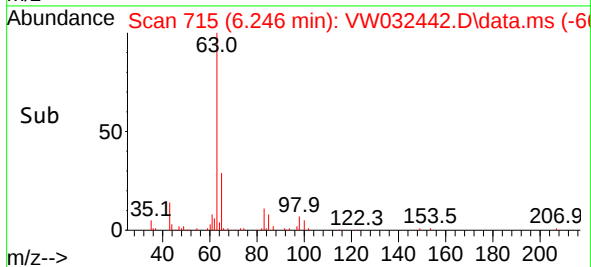
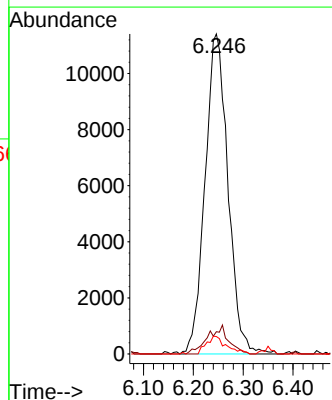
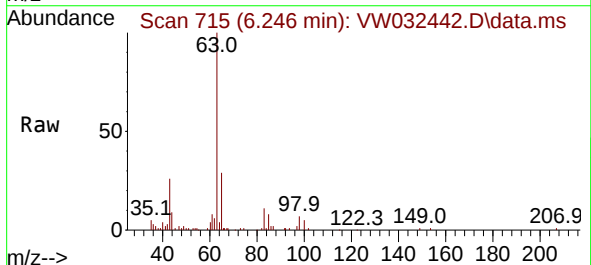
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-03-QT4-2025

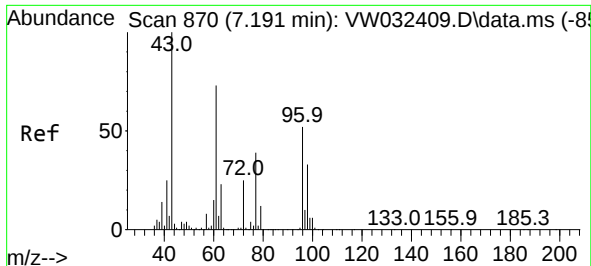
Tgt Ion: 43 Resp: 182223
 Ion Ratio Lower Upper
 43 100
 86 9.3 8.6 12.8



#24
 1,1-Dichloroethane
 Concen: 4.379 ug/l
 RT: 6.246 min Scan# 715
 Delta R.T. 0.000 min
 Lab File: VW032442.D
 Acq: 12 Nov 2025 16:20

Tgt Ion: 63 Resp: 36488
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.6 10.8
 100 5.5 2.3 6.8

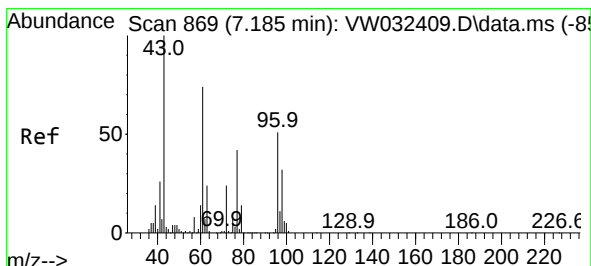
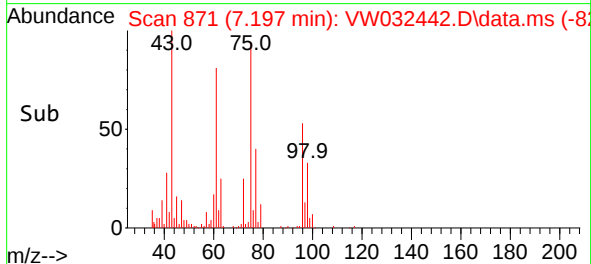
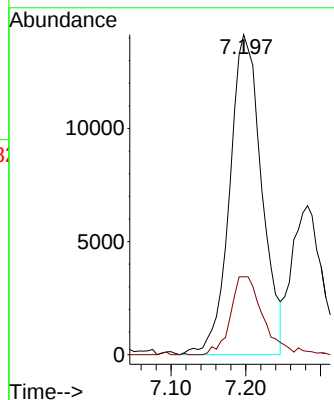
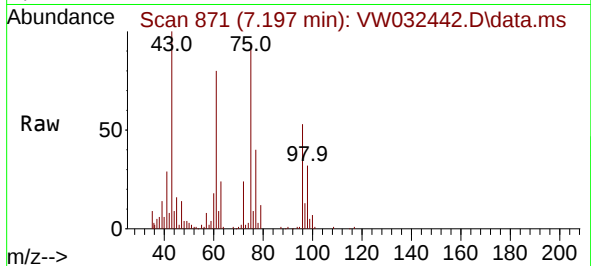




#25
2-Butanone
Concen: 20.593 ug/l
RT: 7.197 min Scan# 871
Delta R.T. 0.006 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

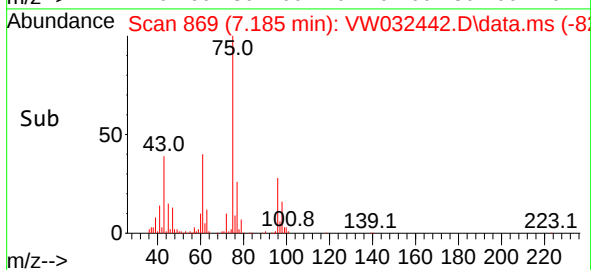
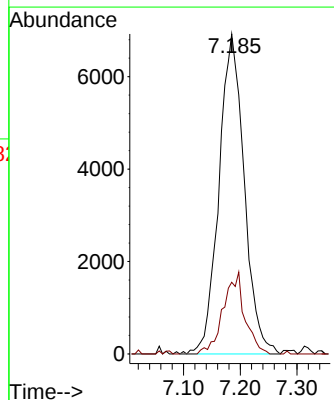
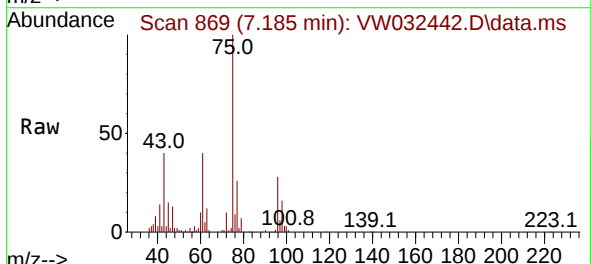
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

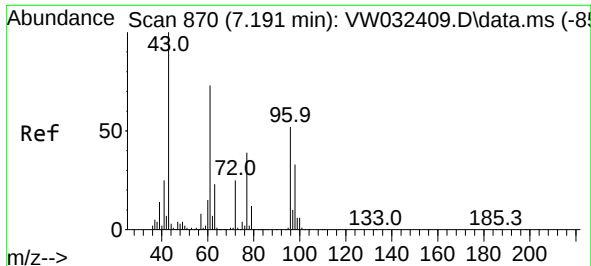
Tgt Ion: 43 Resp: 42290
Ion Ratio Lower Upper
43 100
72 24.4 20.0 30.0



#26
2,2-Dichloropropane
Concen: 4.611 ug/l
RT: 7.185 min Scan# 869
Delta R.T. 0.000 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

Tgt Ion: 77 Resp: 21414
Ion Ratio Lower Upper
77 100
97 21.7 12.3 36.8





#27

cis-1,2-Dichloroethene

Concen: 4.043 ug/l

RT: 7.191 min Scan# 870

Delta R.T. 0.000 min

Lab File: VW032442.D

Acq: 12 Nov 2025 16:20

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-03-QT4-2025

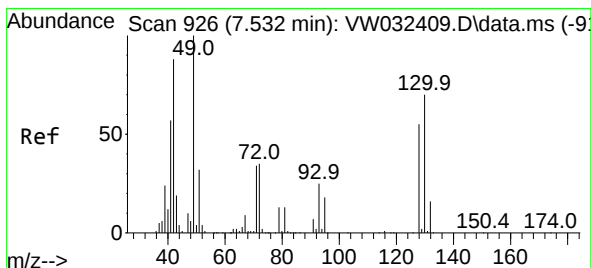
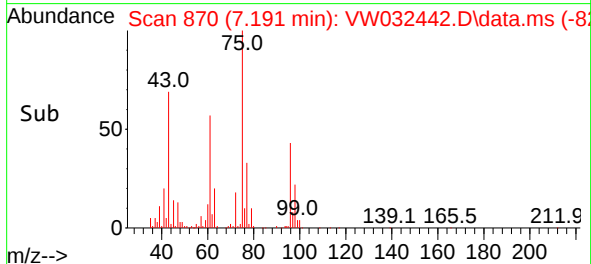
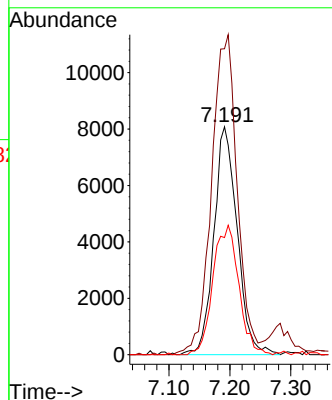
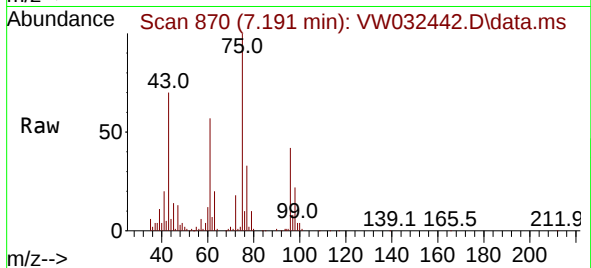
Tgt Ion: 96 Resp: 21459

Ion Ratio Lower Upper

96 100

61 154.4 0.0 282.6

98 62.9 0.0 128.6



#28

Bromochloromethane

Concen: 4.556 ug/l

RT: 7.532 min Scan# 926

Delta R.T. 0.000 min

Lab File: VW032442.D

Acq: 12 Nov 2025 16:20

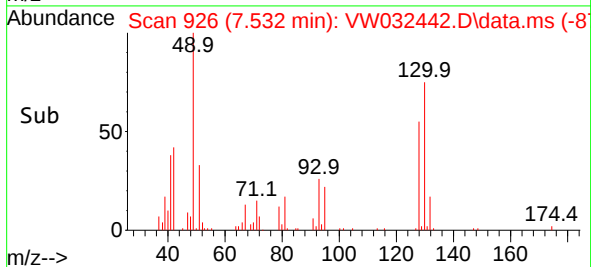
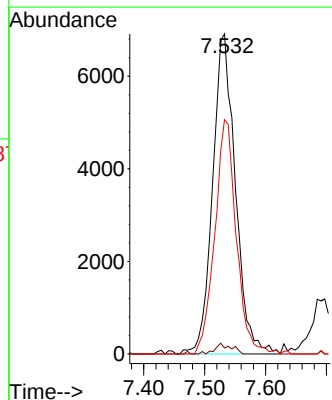
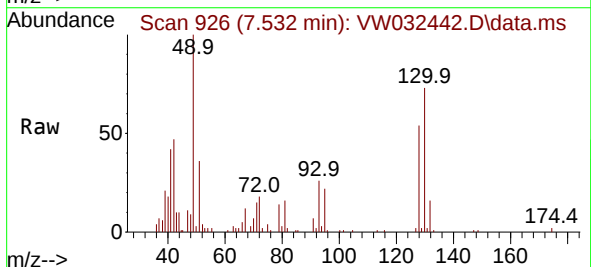
Tgt Ion: 49 Resp: 17945

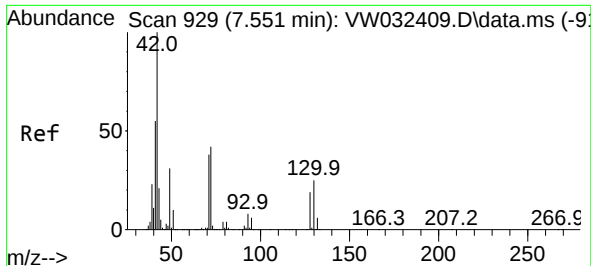
Ion Ratio Lower Upper

49 100

129 2.4 0.0 3.8

130 69.2 56.9 85.3





#29

Tetrahydrofuran

Concen: 19.652 ug/l

RT: 7.563 min Scan# 91

Delta R.T. 0.012 min

Lab File: VW032442.D

Acq: 12 Nov 2025 16:20

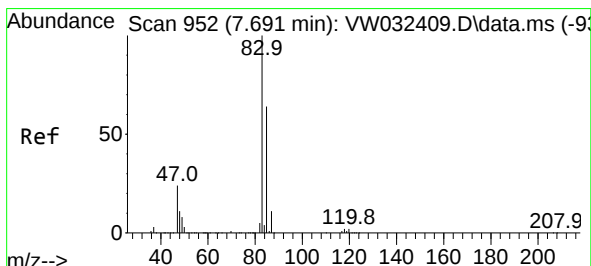
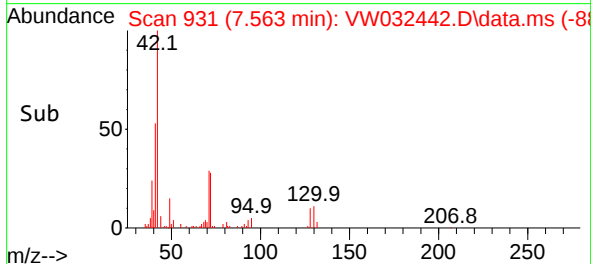
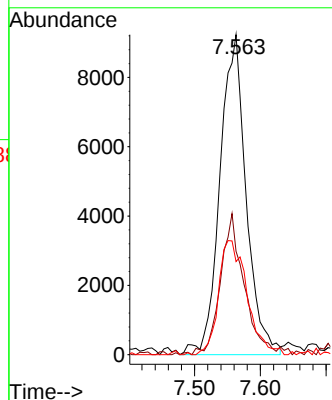
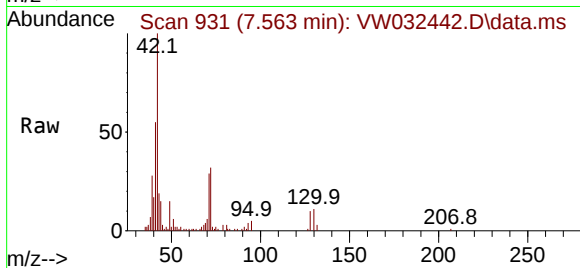
Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-03-QT4-2025

Tgt Ion: 42	Resp: 25616
Ion Ratio	Lower Upper
42	100
72	39.6 33.6 50.4
71	38.7 31.4 47.0



#30

Chloroform

Concen: 4.394 ug/l

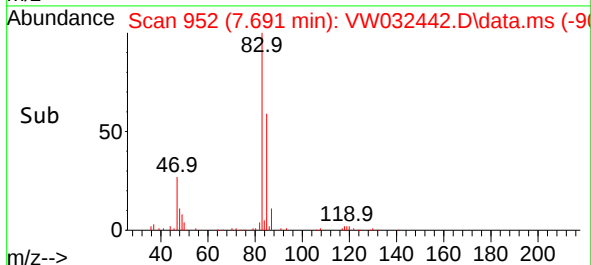
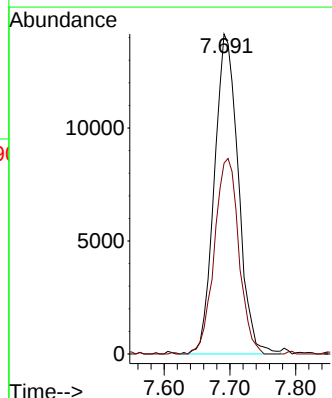
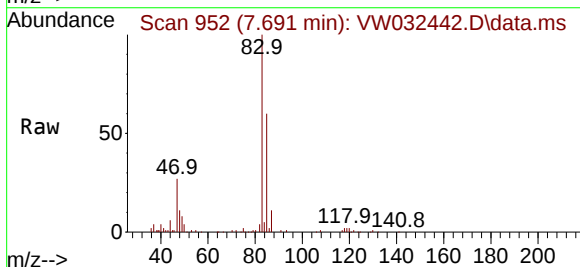
RT: 7.691 min Scan# 952

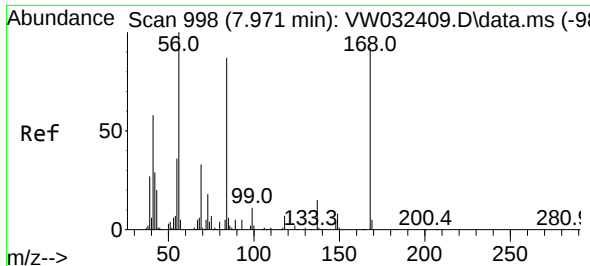
Delta R.T. 0.000 min

Lab File: VW032442.D

Acq: 12 Nov 2025 16:20

Tgt Ion: 83	Resp: 35845
Ion Ratio	Lower Upper
83	100
85	59.6 51.0 76.4

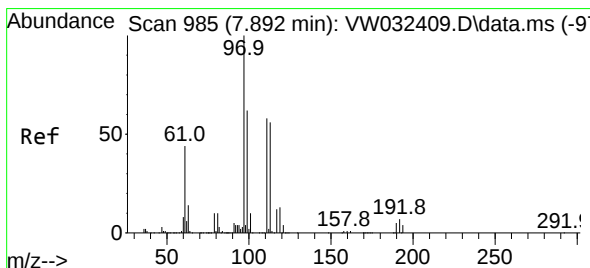
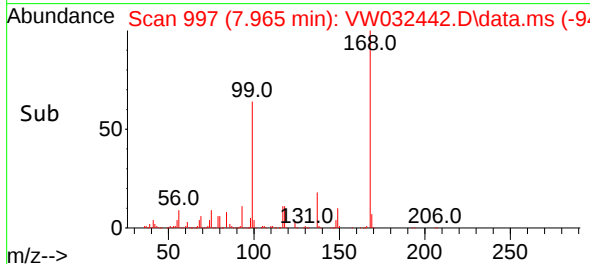
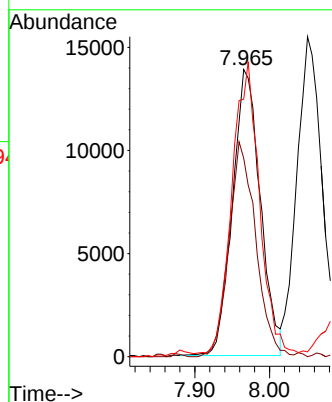
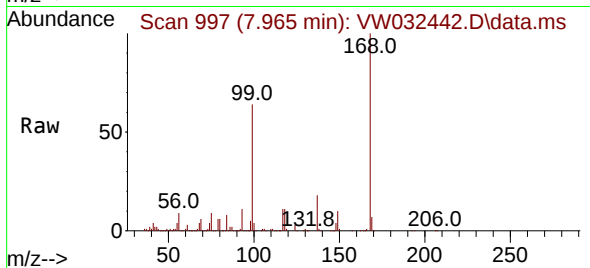




#31
Cyclohexane
Concen: 4.661 ug/l
RT: 7.965 min Scan# 998
Delta R.T. -0.006 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

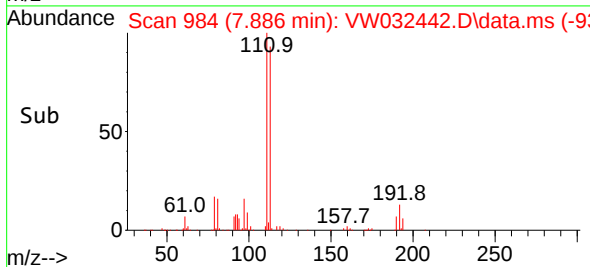
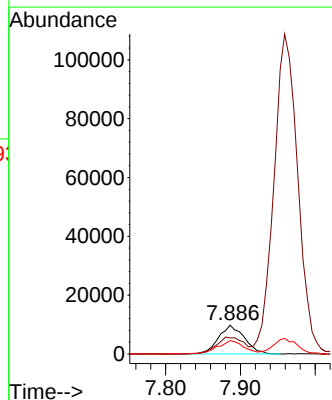
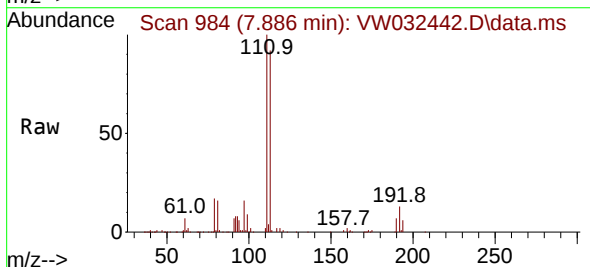
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

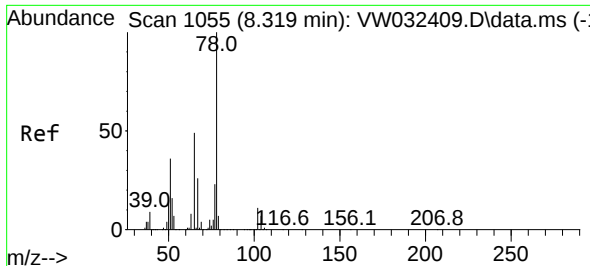
Tgt Ion: 56 Resp: 35924
Ion Ratio Lower Upper
56 100
69 68.6 26.5 39.7#
84 87.7 69.6 104.4



#32
1,1,1-Trichloroethane
Concen: 4.033 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.006 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

Tgt Ion: 97 Resp: 23501
Ion Ratio Lower Upper
97 100
99 60.4 51.8 77.8
61 46.7 35.5 53.3

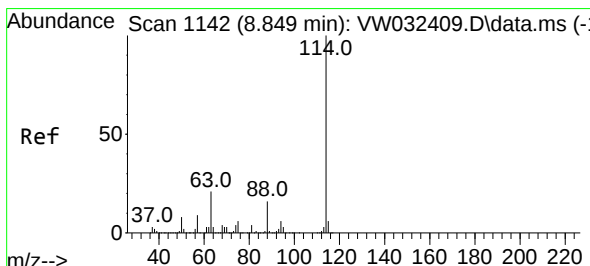
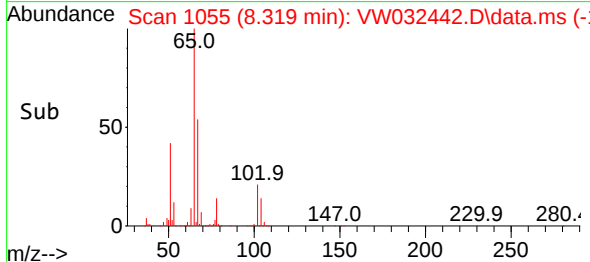
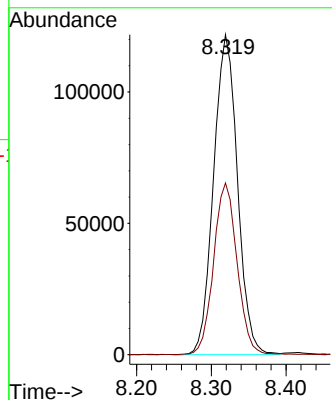
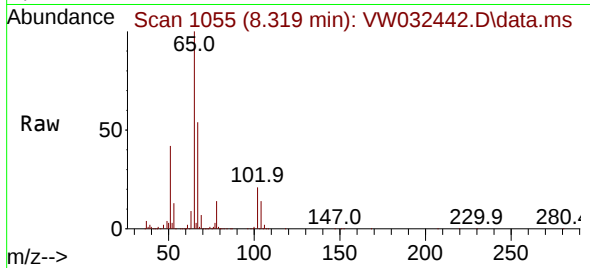




#33
 1,2-Dichloroethane-d4
 Concen: 58.179 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032442.D
 Acq: 12 Nov 2025 16:20

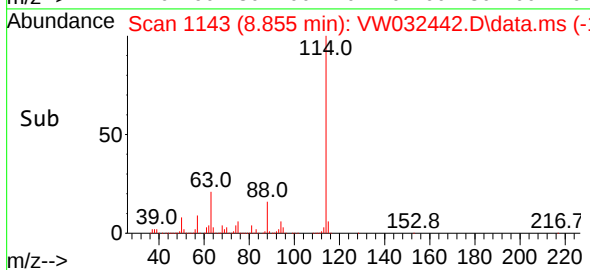
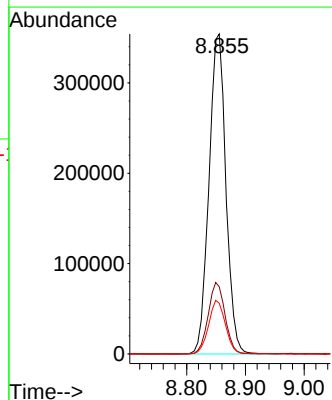
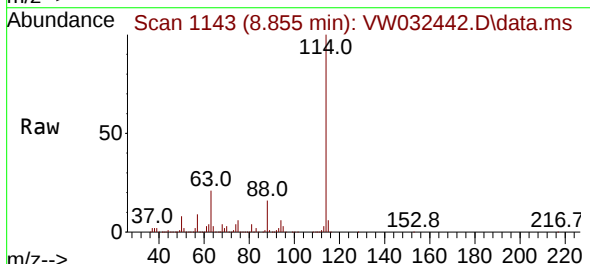
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-03-QT4-2025

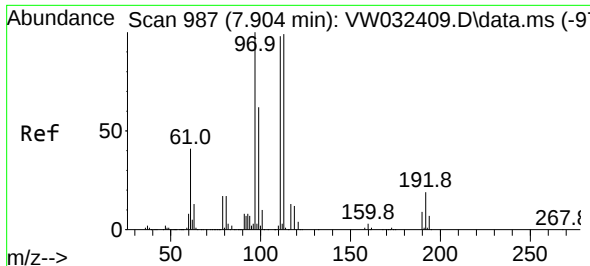
Tgt Ion: 65 Resp: 271071
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW032442.D
 Acq: 12 Nov 2025 16:20

Tgt Ion: 114 Resp: 708904
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 41.8
 88 15.8 0.0 32.6

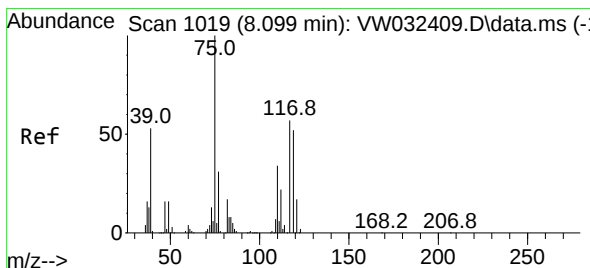
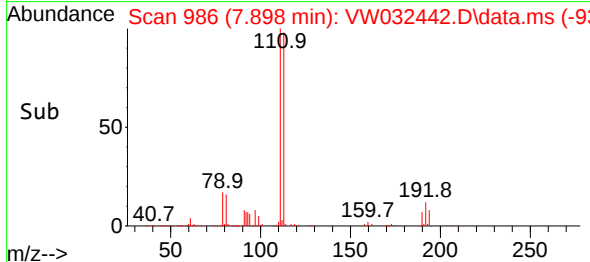
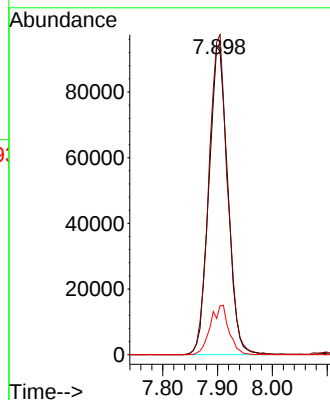
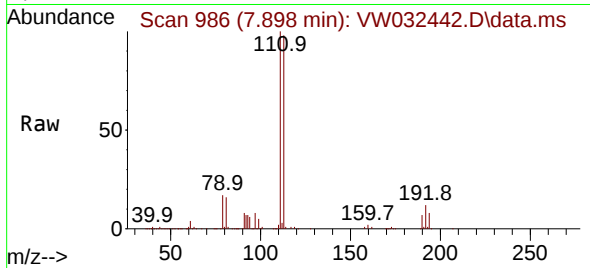




#35
Dibromofluoromethane
Concen: 52.911 ug/l
RT: 7.898 min Scan# 91
Delta R.T. -0.006 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

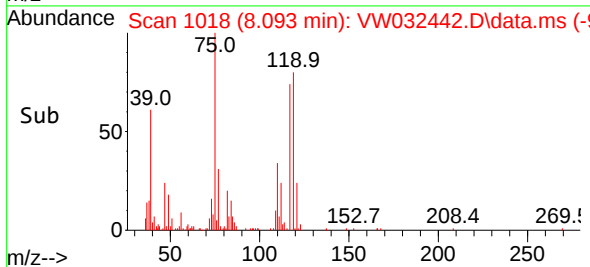
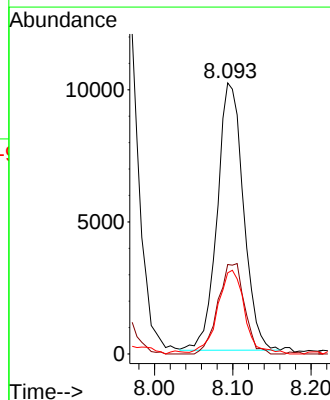
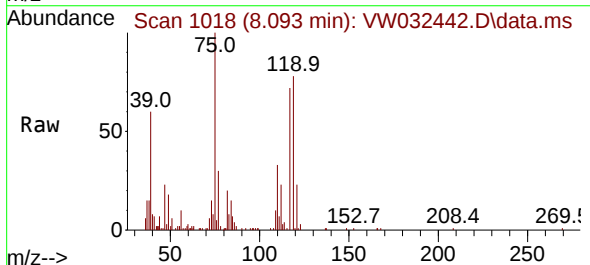
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

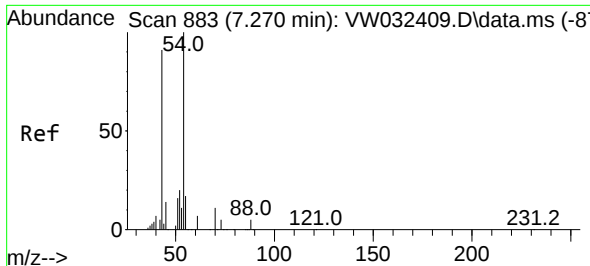
Tgt Ion:113 Resp: 224574
Ion Ratio Lower Upper
113 100
111 102.5 83.1 124.7
192 15.7 13.4 20.2



#36
1,1-Dichloropropene
Concen: 3.769 ug/l
RT: 8.093 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

Tgt Ion: 75 Resp: 23570
Ion Ratio Lower Upper
75 100
110 34.1 17.2 51.5
77 32.3 24.5 36.7

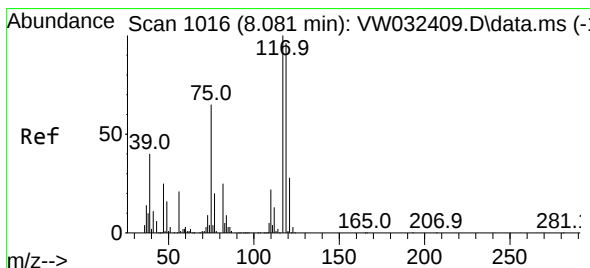
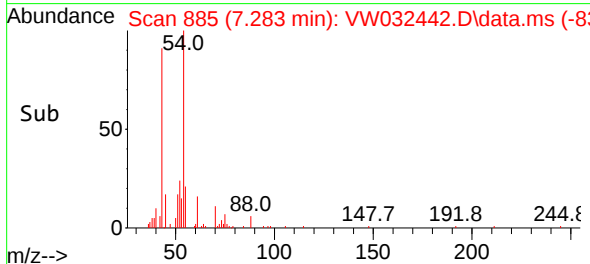
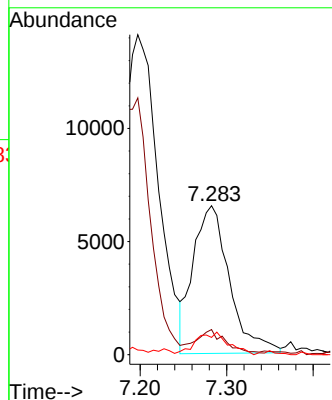
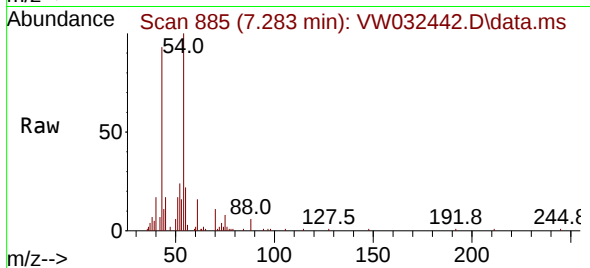




#37
Ethyl Acetate
Concen: 4.098 ug/l
RT: 7.283 min Scan# 883
Delta R.T. 0.012 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

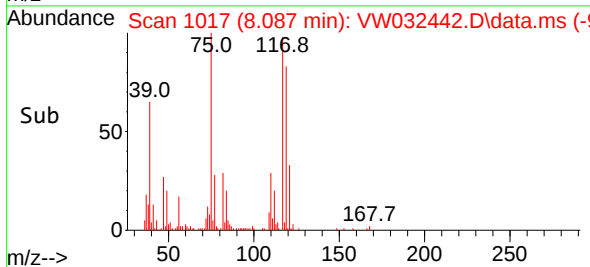
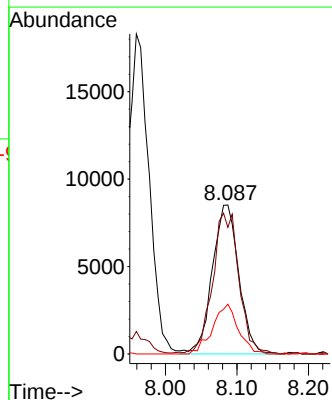
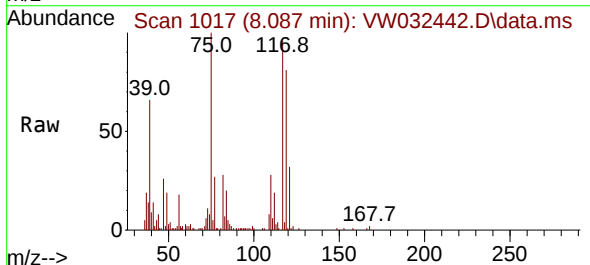
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

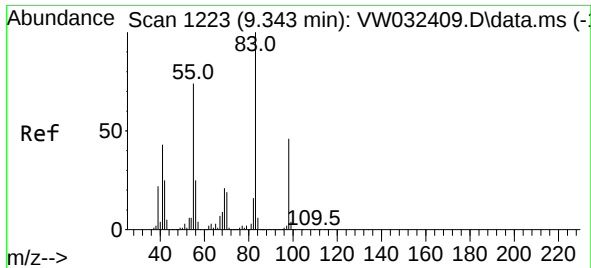
Tgt Ion: 43 Resp: 19057
Ion Ratio Lower Upper
43 100
61 11.3 11.0 16.6
70 13.5 8.3 12.5#



#38
Carbon Tetrachloride
Concen: 3.953 ug/l
RT: 8.087 min Scan# 1017
Delta R.T. 0.006 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

Tgt Ion: 117 Resp: 21967
Ion Ratio Lower Upper
117 100
119 85.0 77.0 115.4
121 33.4 22.0 33.0#

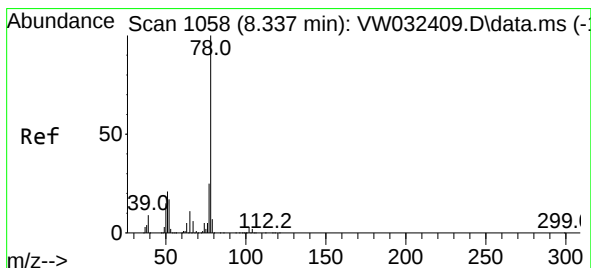
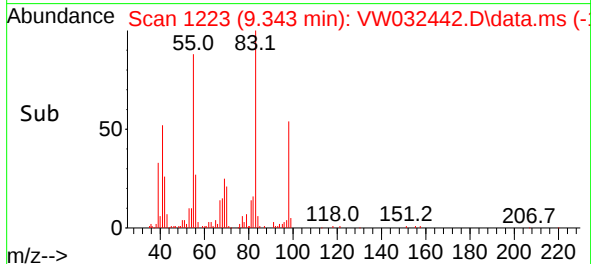
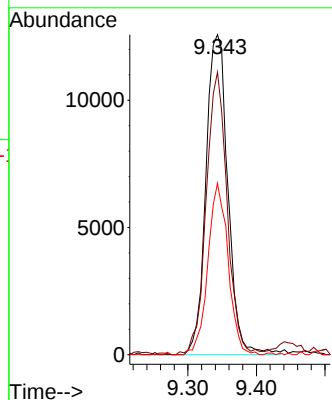
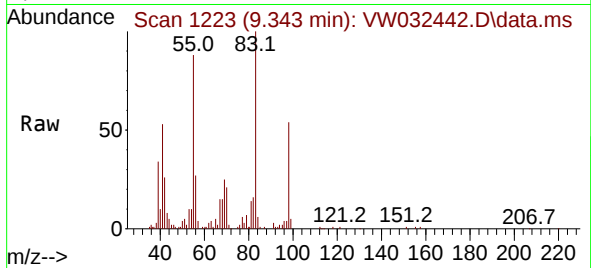




#39
Methylcyclohexane
Concen: 3.461 ug/l
RT: 9.343 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

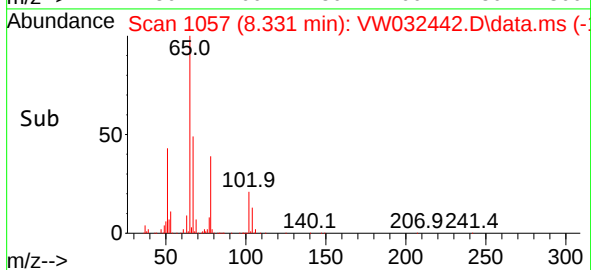
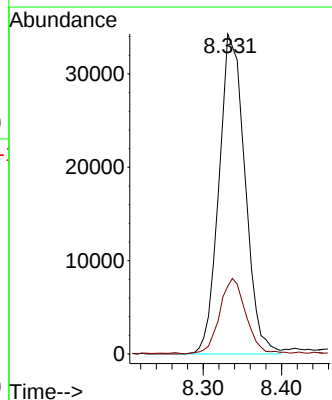
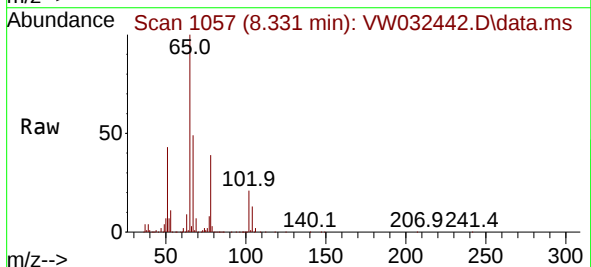
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

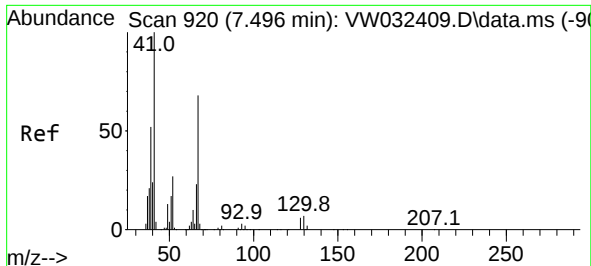
Tgt Ion: 83 Resp: 28038
Ion Ratio Lower Upper
83 100
55 87.4 59.2 88.8
98 53.5 36.6 54.8



#40
Benzene
Concen: 3.931 ug/l
RT: 8.331 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

Tgt Ion: 78 Resp: 79163
Ion Ratio Lower Upper
78 100
77 20.9 19.6 29.4

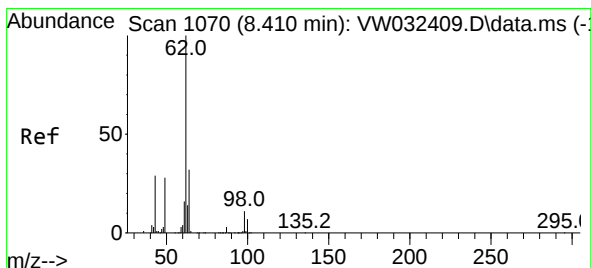
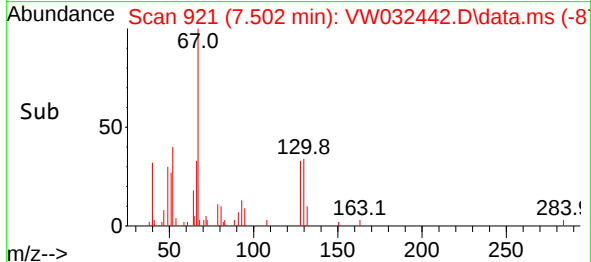
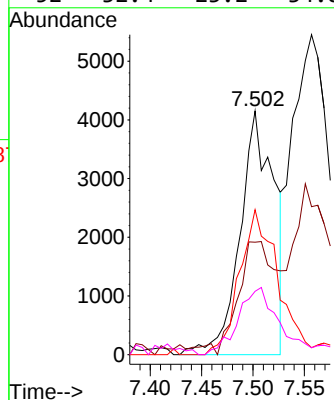
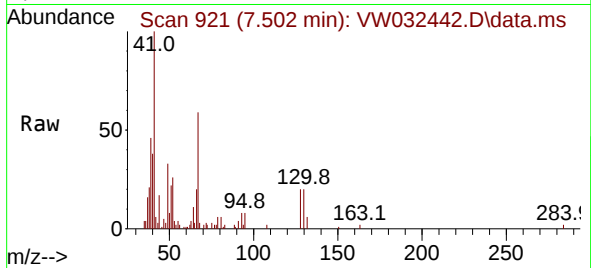




#41
Methacrylonitrile
Concen: 3.751 ug/l
RT: 7.502 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

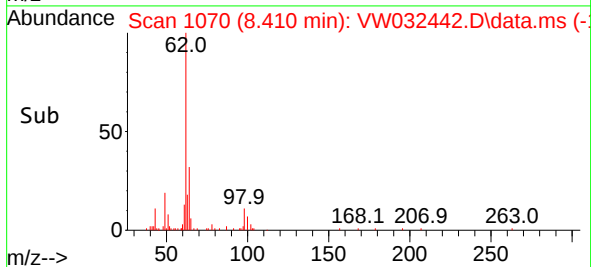
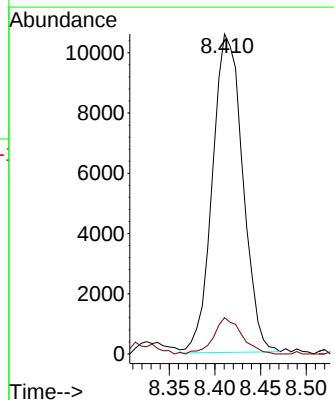
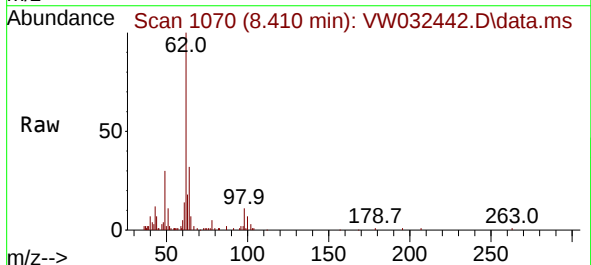
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

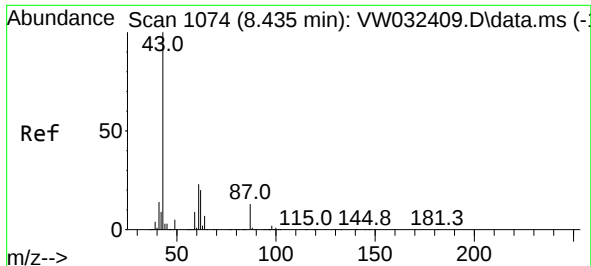
Tgt Ion:	41	Resp:	9583
Ion	Ratio	Lower	Upper
41	100		
39	45.3	44.6	66.8
67	66.2	57.6	86.4
52	32.4	23.2	34.8



#42
1,2-Dichloroethane
Concen: 4.133 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

Tgt Ion:	62	Resp:	24450
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.2

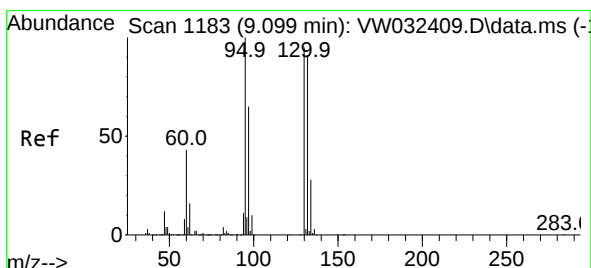
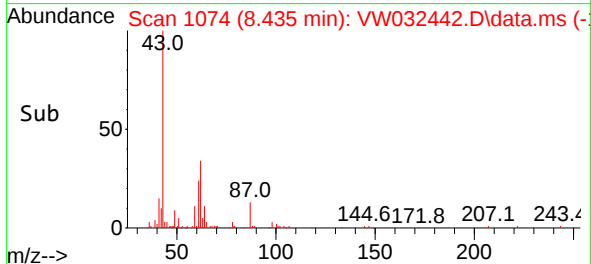
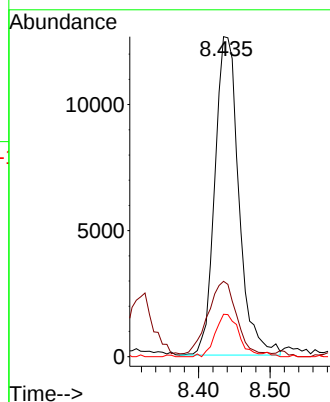
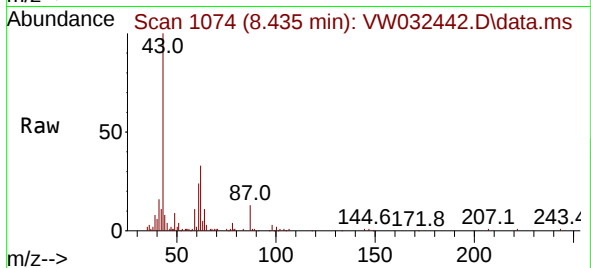




#43
Isopropyl Acetate
Concen: 3.569 ug/l
RT: 8.435 min Scan# 1074
Delta R.T. 0.000 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

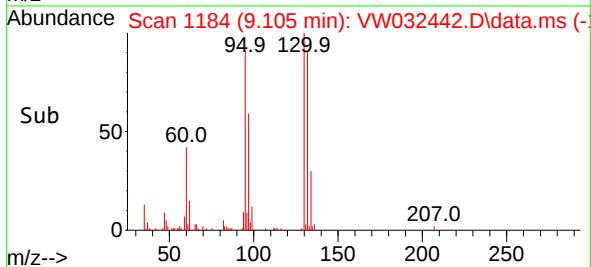
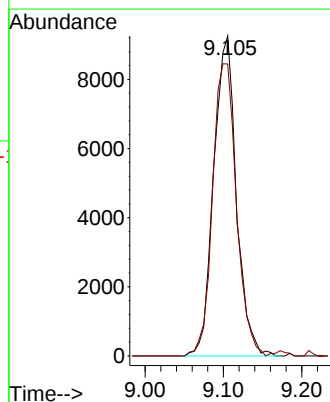
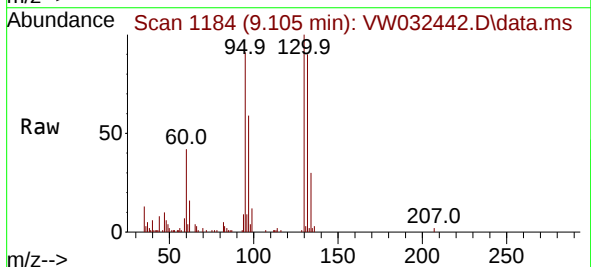
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

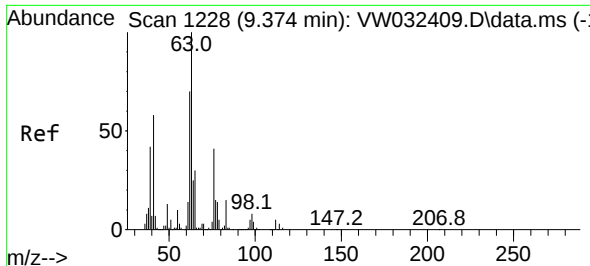
Tgt Ion:	43	Resp:	29390
Ion	Ratio	Lower	Upper
43	100		
61	29.4	22.6	33.8
87	13.7	10.6	15.8



#44
Trichloroethene
Concen: 3.972 ug/l
RT: 9.105 min Scan# 1184
Delta R.T. 0.006 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

Tgt Ion:	130	Resp:	18612
Ion	Ratio	Lower	Upper
130	100		
95	91.2	0.0	209.6

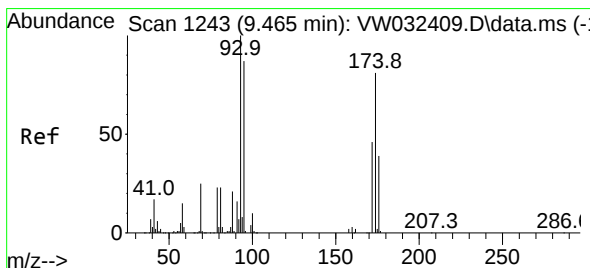
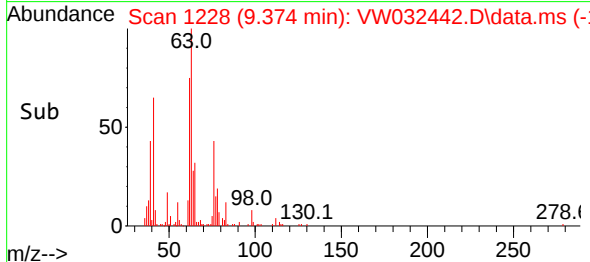
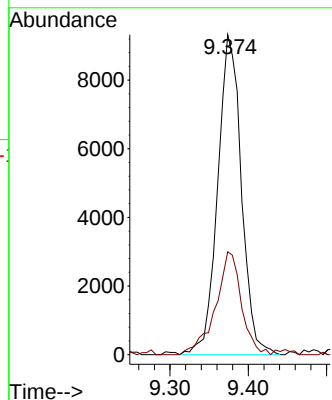
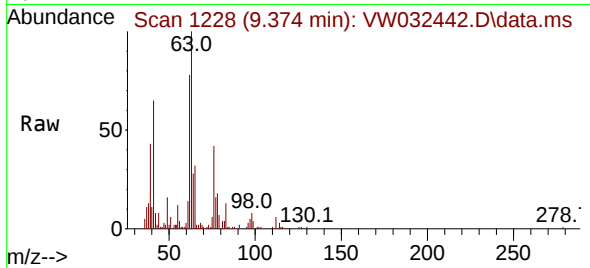




#45
1,2-Dichloropropane
Concen: 3.905 ug/l
RT: 9.374 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

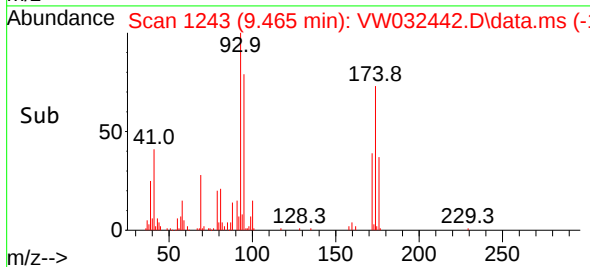
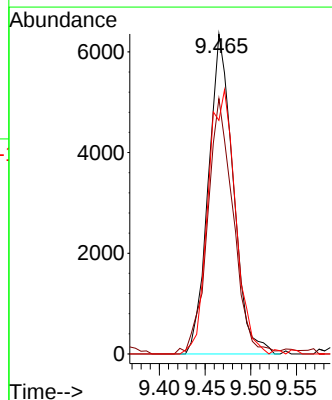
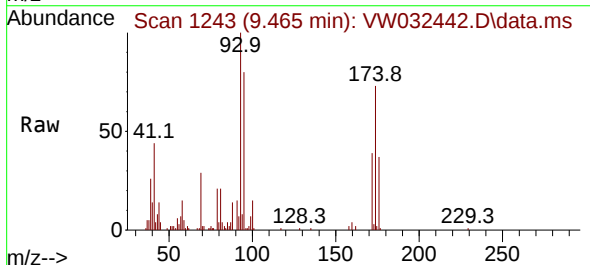
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

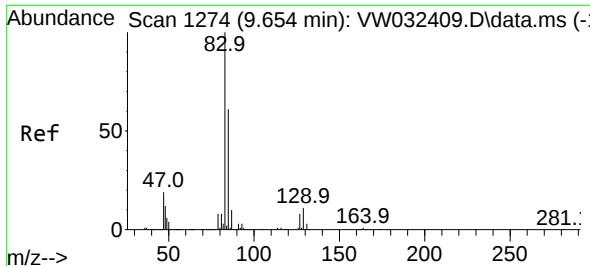
Tgt Ion: 63 Resp: 19581
Ion Ratio Lower Upper
63 100
65 32.1 24.4 36.6



#46
Dibromomethane
Concen: 4.088 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. 0.000 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

Tgt Ion: 93 Resp: 11980
Ion Ratio Lower Upper
93 100
95 82.7 67.1 100.7
174 91.0 68.2 102.4

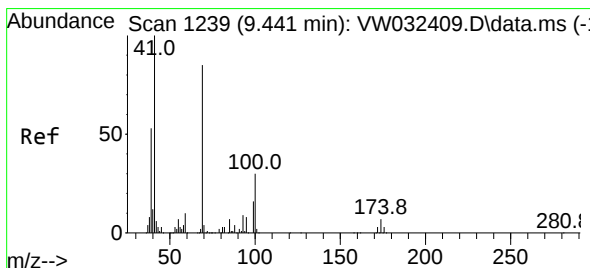
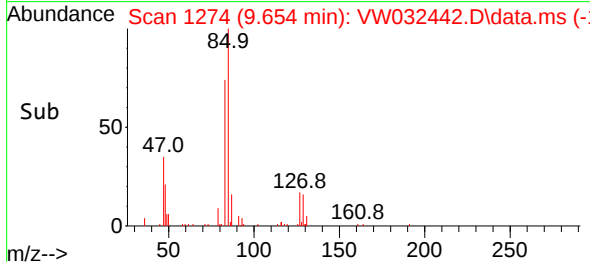
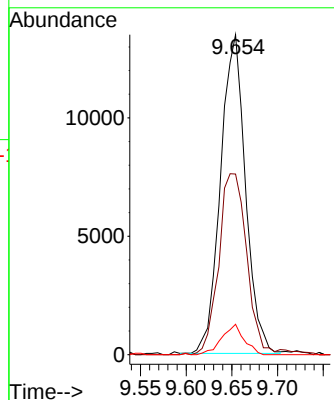
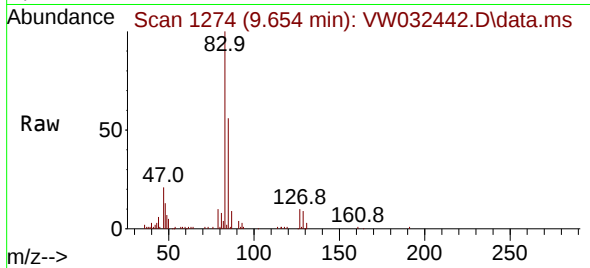




#47
Bromodichloromethane
Concen: 3.831 ug/l
RT: 9.654 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

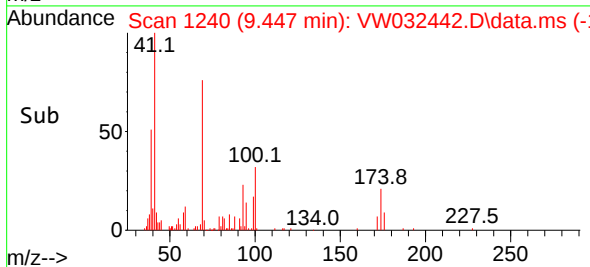
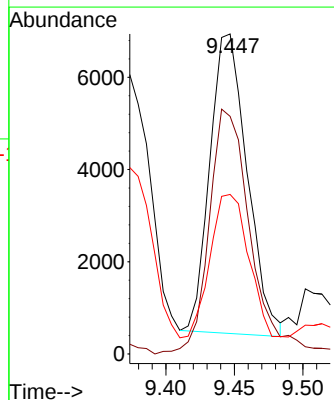
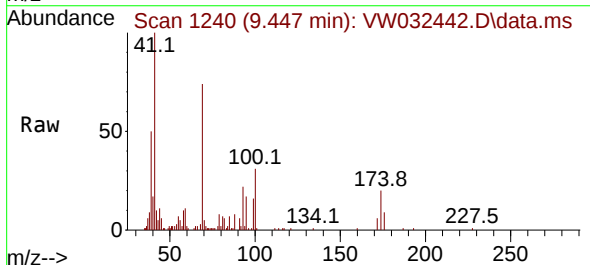
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

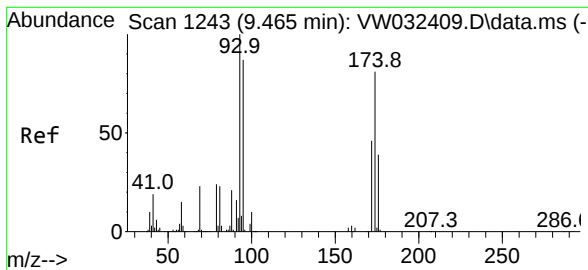
Tgt Ion: 83 Resp: 25606
Ion Ratio Lower Upper
83 100
85 56.7 48.7 73.1
127 9.6 6.3 9.5#



#48
Methyl methacrylate
Concen: 3.139 ug/l
RT: 9.447 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

Tgt Ion: 41 Resp: 12284
Ion Ratio Lower Upper
41 100
69 90.6 65.8 98.6
39 51.7 38.6 57.8

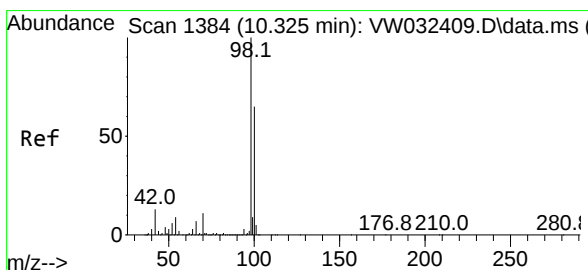
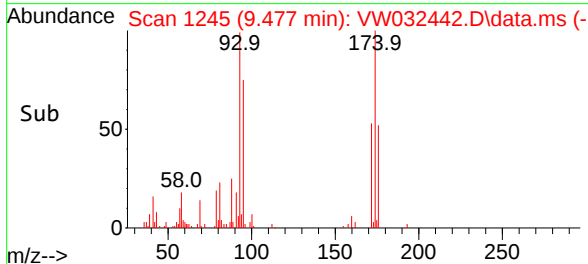
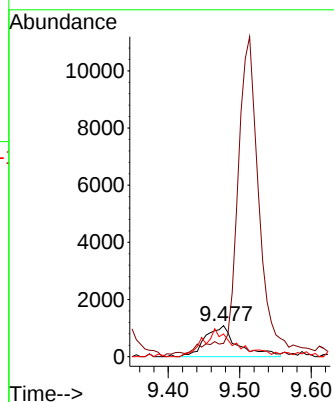
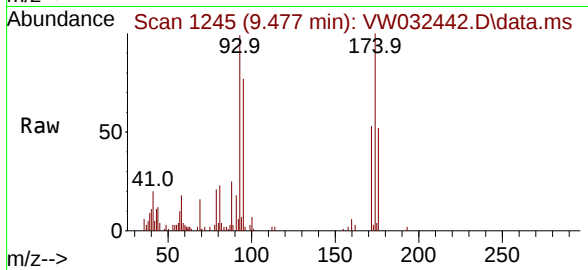




#49
1,4-Dioxane
Concen: 82.872 ug/l
RT: 9.477 min Scan# 11
Delta R.T. 0.012 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

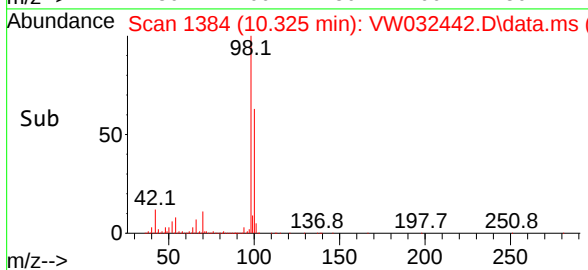
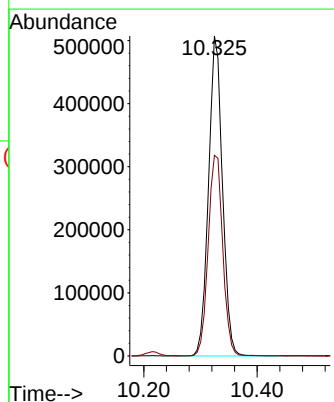
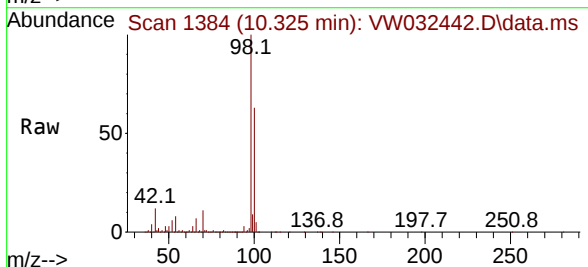
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

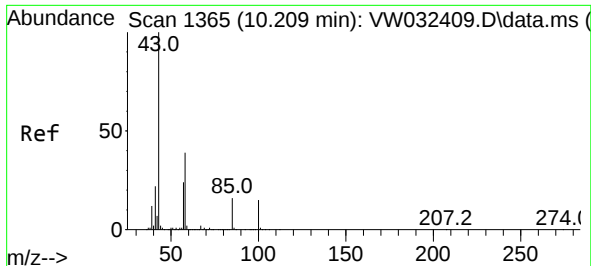
Tgt Ion: 88 Resp: 3402
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 80.6 63.0 94.4



#50
Toluene-d8
Concen: 53.066 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

Tgt Ion: 98 Resp: 864064
Ion Ratio Lower Upper
98 100
100 65.6 53.3 79.9





#51

4-Methyl-2-Pentanone

Concen: 18.129 ug/l

RT: 10.215 min Scan# 1366

Delta R.T. 0.006 min

Lab File: VW032442.D

Acq: 12 Nov 2025 16:20

Instrument :

MSVOA_W

ClientSampleId :

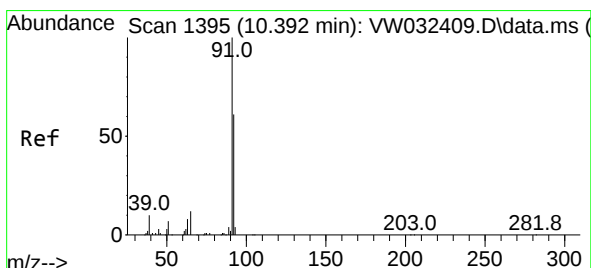
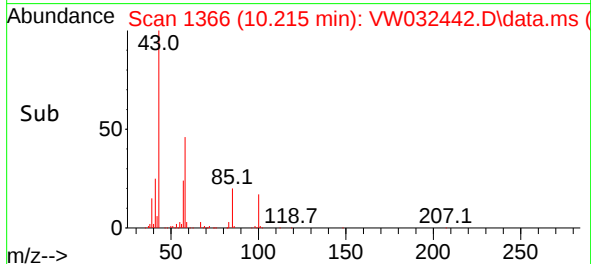
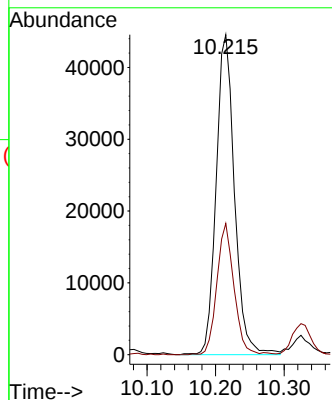
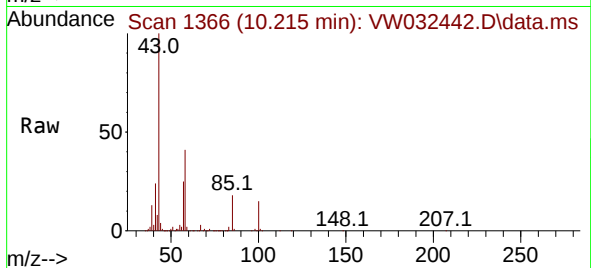
MDL-SOIL-03-QT4-2025

Tgt Ion: 43 Resp: 82524

Ion Ratio Lower Upper

43 100

58 38.4 31.4 47.2



#52

Toluene

Concen: 3.865 ug/l

RT: 10.392 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VW032442.D

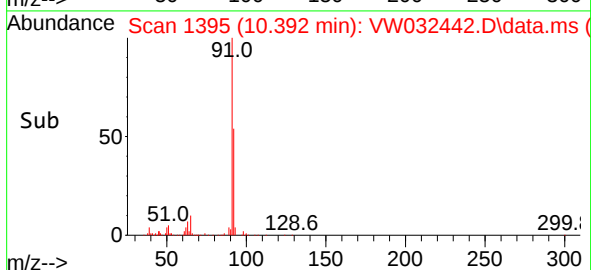
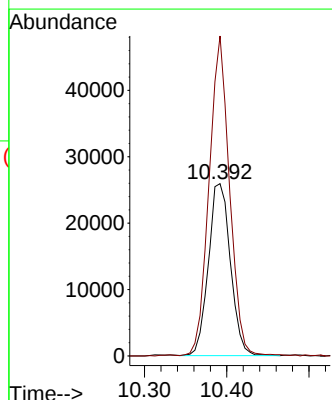
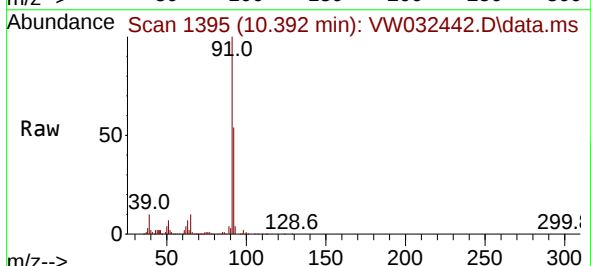
Acq: 12 Nov 2025 16:20

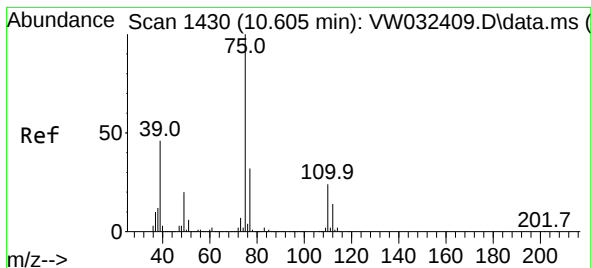
Tgt Ion: 92 Resp: 48075

Ion Ratio Lower Upper

92 100

91 172.5 136.6 205.0

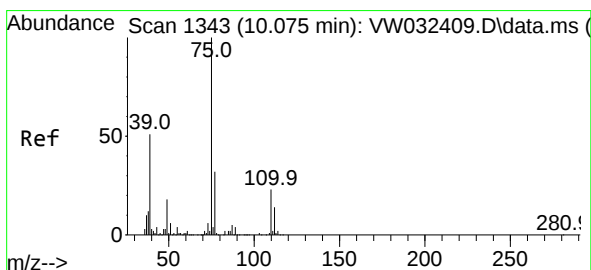
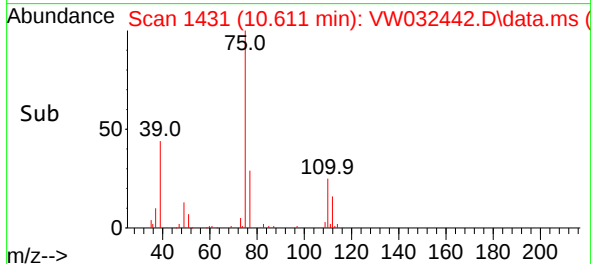
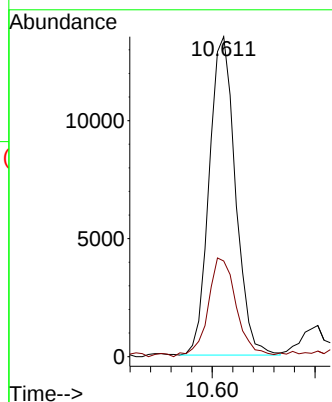
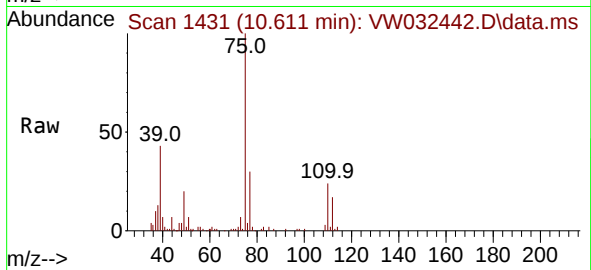




#53
 t-1,3-Dichloropropene
 Concen: 3.472 ug/l
 RT: 10.611 min Scan# 1431
 Delta R.T. 0.006 min
 Lab File: VW032442.D
 Acq: 12 Nov 2025 16:20

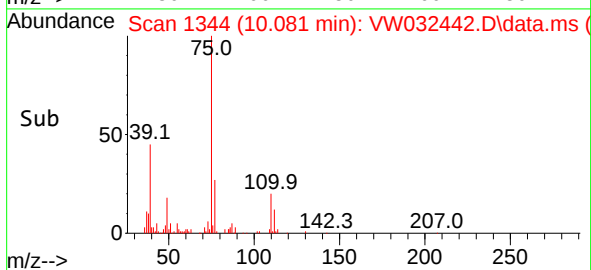
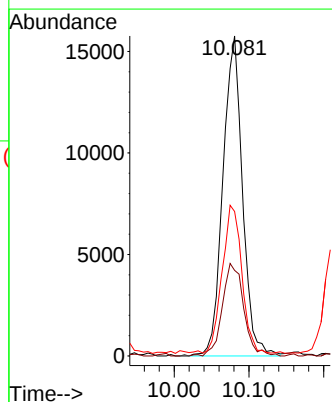
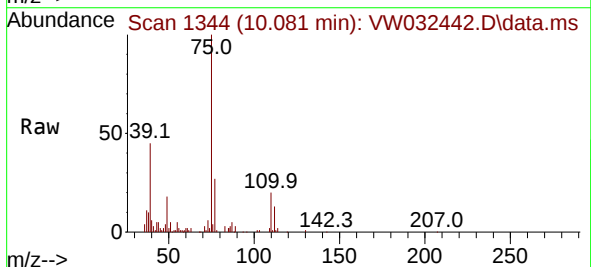
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-03-QT4-2025

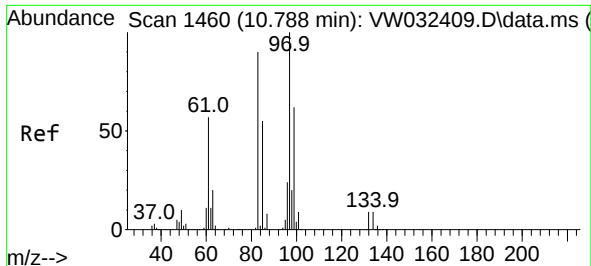
Tgt Ion: 75 Resp: 23899
 Ion Ratio Lower Upper
 75 100
 77 28.9 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 3.617 ug/l
 RT: 10.081 min Scan# 1344
 Delta R.T. 0.006 min
 Lab File: VW032442.D
 Acq: 12 Nov 2025 16:20

Tgt Ion: 75 Resp: 28797
 Ion Ratio Lower Upper
 75 100
 77 26.7 25.6 38.4
 39 43.9 40.7 61.1

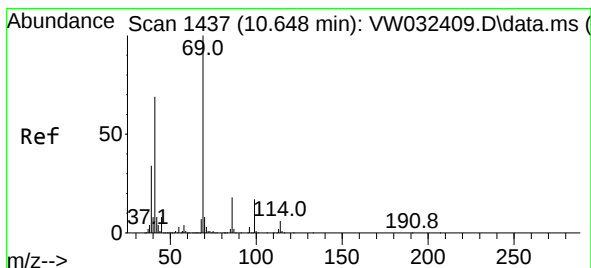
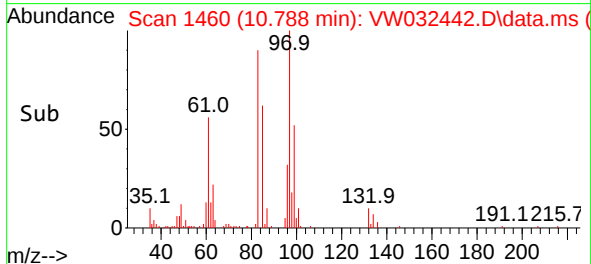
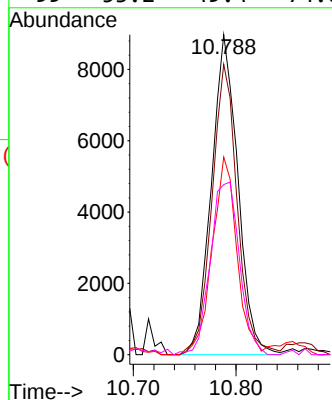
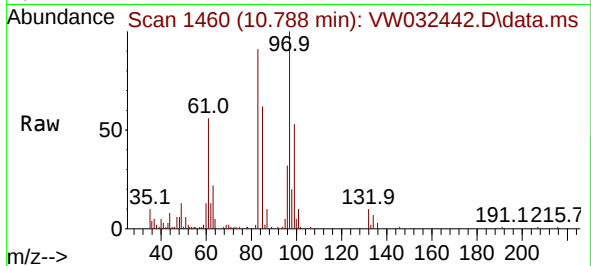




#55
1,1,2-Trichloroethane
Concen: 3.984 ug/l
RT: 10.788 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

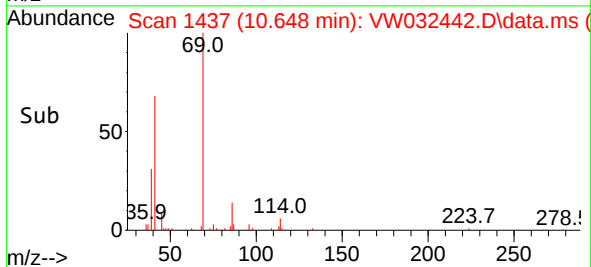
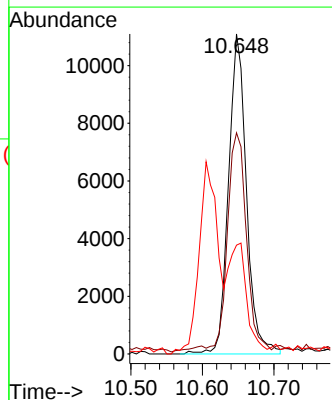
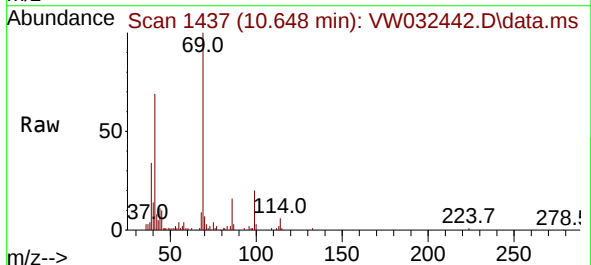
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

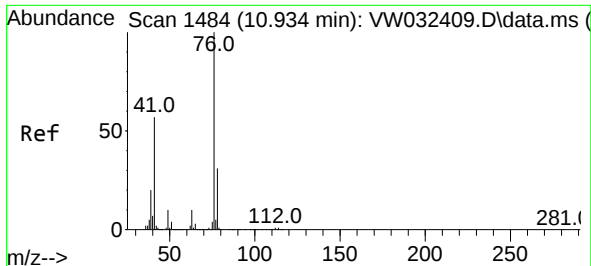
Tgt Ion:	97	Resp:	16017
Ion	Ratio	Lower	Upper
97	100		
83	90.8	72.2	108.4
85	61.8	43.8	65.8
99	53.2	49.4	74.0



#56
Ethyl methacrylate
Concen: 3.134 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

Tgt Ion:	69	Resp:	19329
Ion	Ratio	Lower	Upper
69	100		
41	70.9	54.4	81.6
39	33.5	25.4	38.0





#57

1,3-Dichloropropane

Concen: 3.983 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. 0.000 min

Lab File: VW032442.D

Acq: 12 Nov 2025 16:20

Instrument :

MSVOA_W

ClientSampleId :

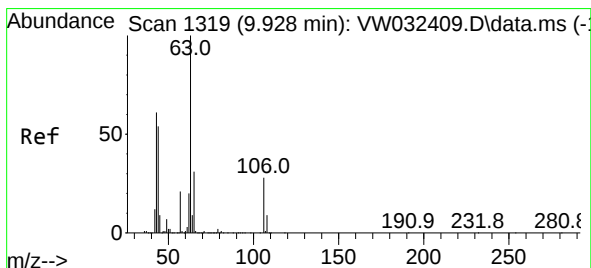
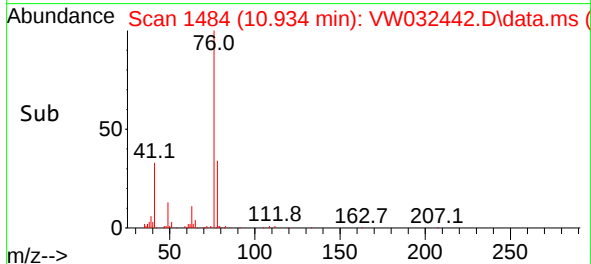
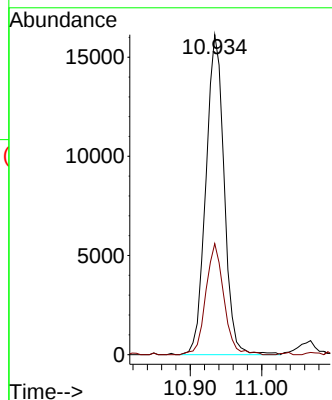
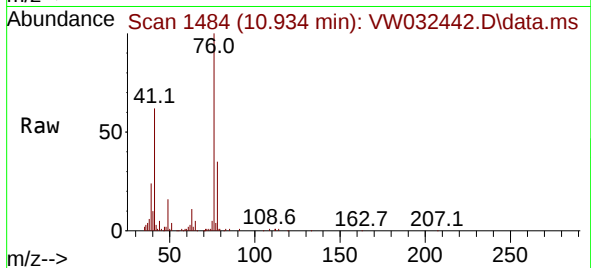
MDL-SOIL-03-QT4-2025

Tgt Ion: 76 Resp: 28600

Ion Ratio Lower Upper

76 100

78 34.5 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 16.228 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VW032442.D

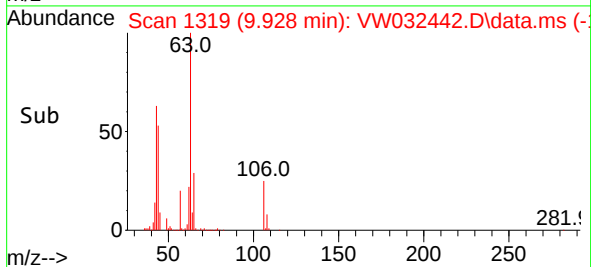
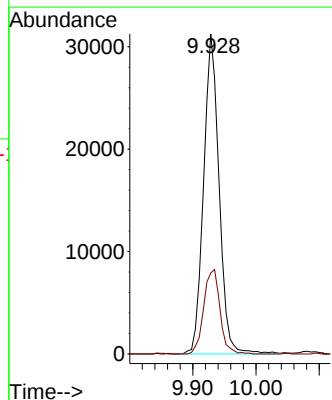
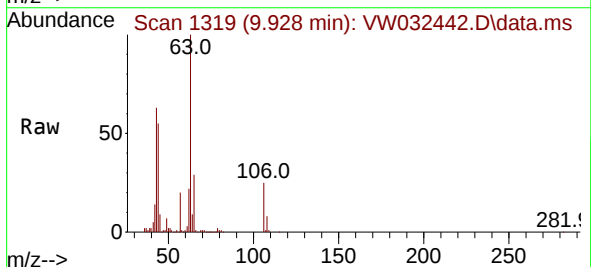
Acq: 12 Nov 2025 16:20

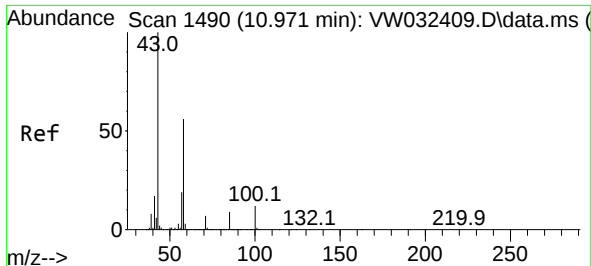
Tgt Ion: 63 Resp: 53305

Ion Ratio Lower Upper

63 100

106 27.7 22.0 33.0

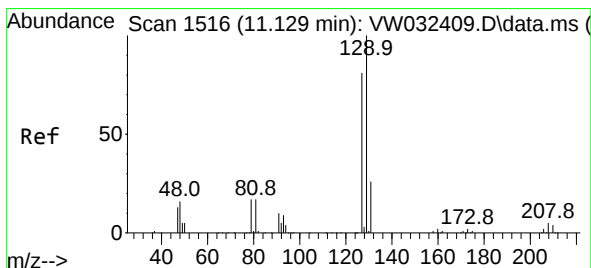
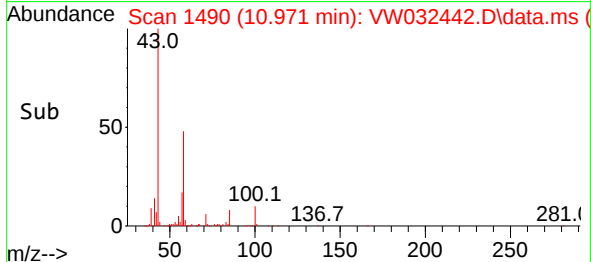
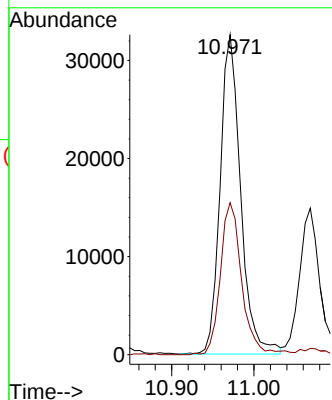
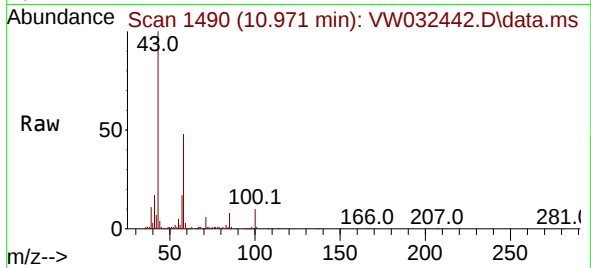




#59
2-Hexanone
Concen: 16.955 ug/l
RT: 10.971 min Scan# 1490
Delta R.T. 0.000 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

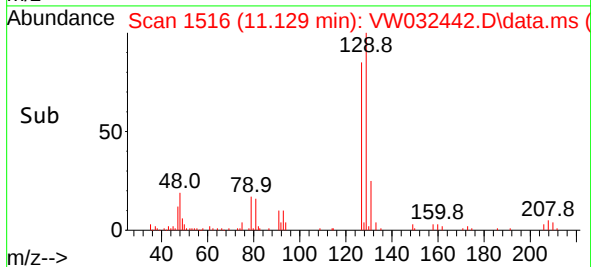
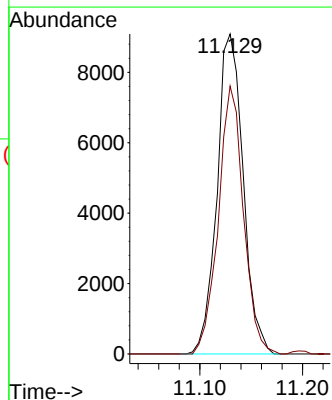
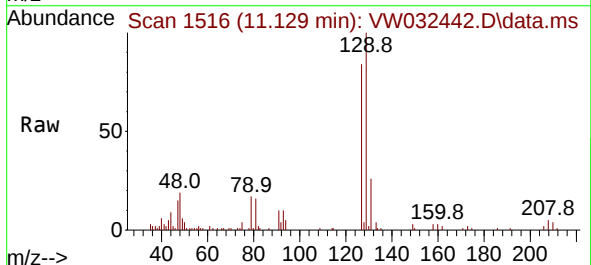
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

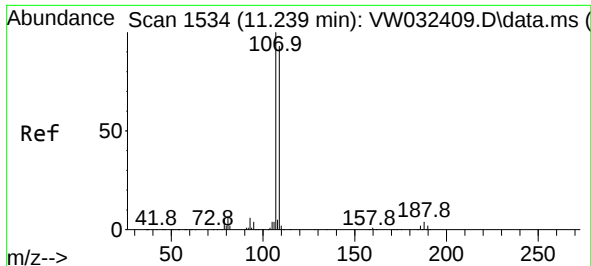
Tgt Ion: 43 Resp: 56468
Ion Ratio Lower Upper
43 100
58 49.7 27.4 82.2



#60
Dibromochloromethane
Concen: 3.575 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

Tgt Ion:129 Resp: 16049
Ion Ratio Lower Upper
129 100
127 80.3 39.2 117.6

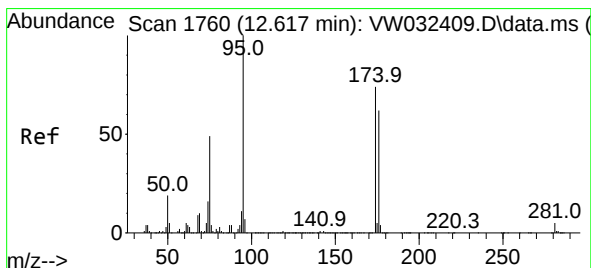
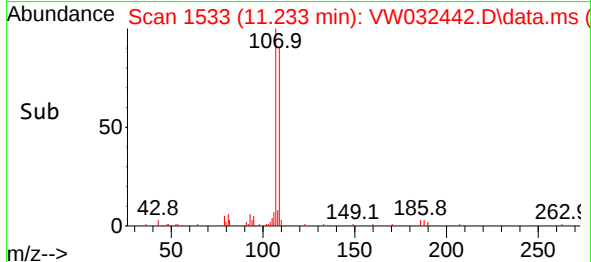
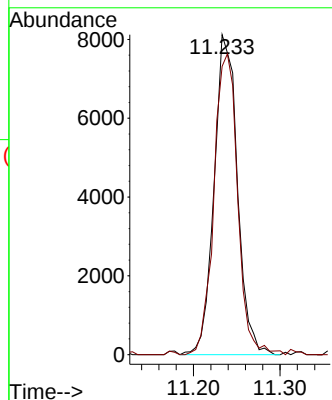
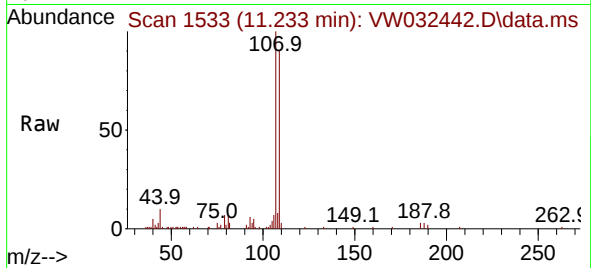




#61
1,2-Dibromoethane
Concen: 3.875 ug/l
RT: 11.233 min Scan# 1533
Delta R.T. -0.006 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

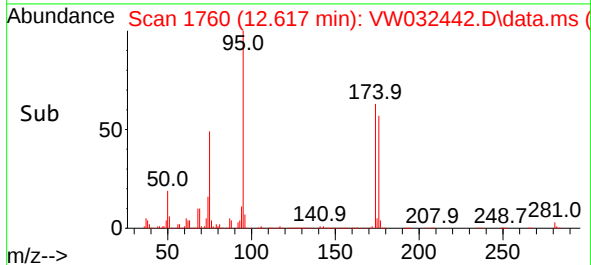
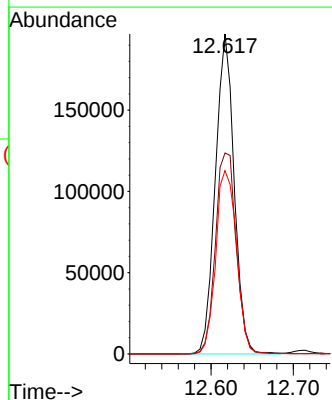
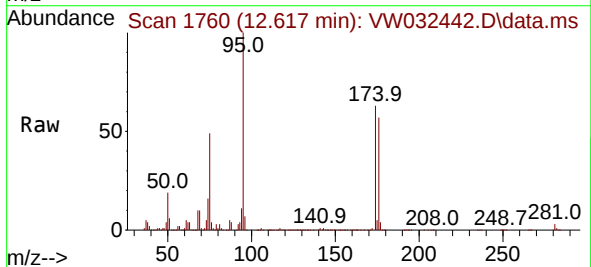
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

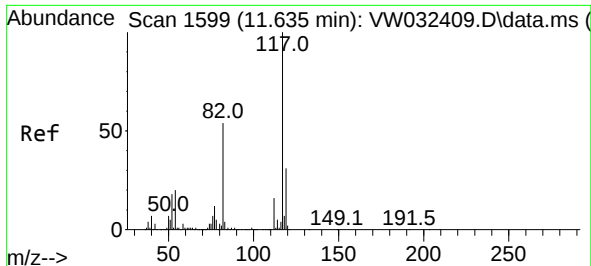
Tgt Ion:107 Resp: 15172
Ion Ratio Lower Upper
107 100
109 95.6 76.3 114.5



#62
4-Bromofluorobenzene
Concen: 50.848 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

Tgt Ion: 95 Resp: 312765
Ion Ratio Lower Upper
95 100
174 69.5 0.0 135.4
176 63.5 0.0 131.8

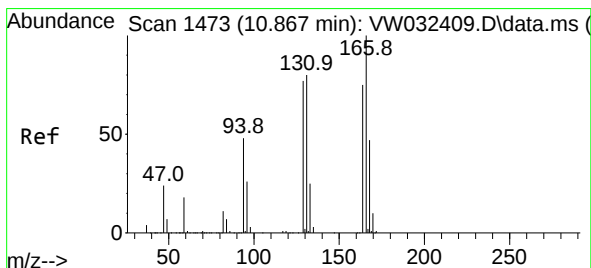
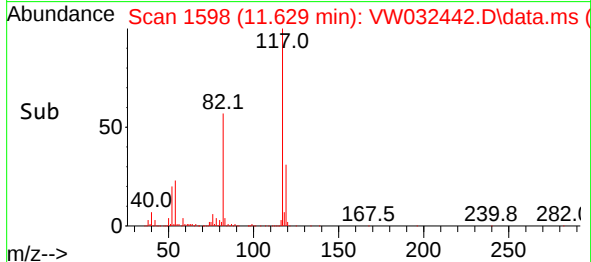
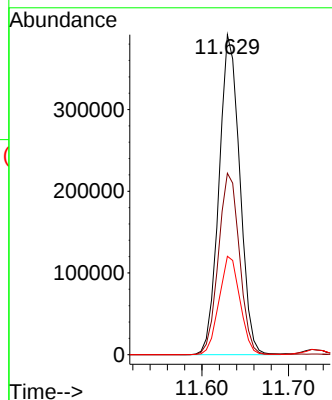
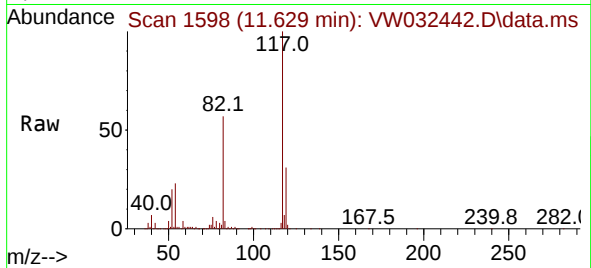




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

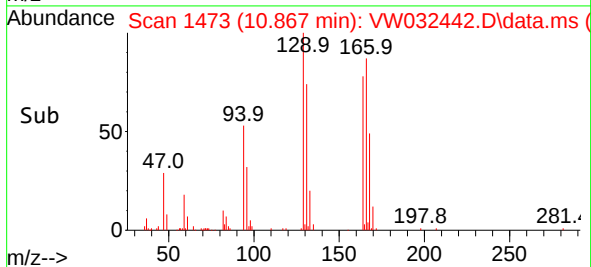
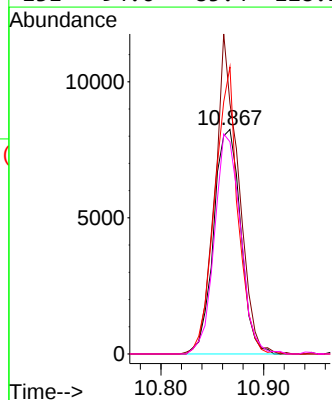
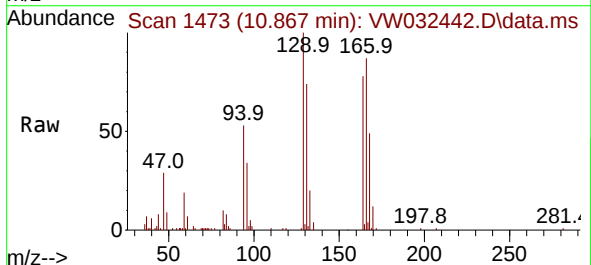
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

Tgt Ion:117 Resp: 651755
Ion Ratio Lower Upper
117 100
82 56.7 43.0 64.4
119 30.7 25.0 37.6



#64
Tetrachloroethene
Concen: 3.897 ug/l
RT: 10.867 min Scan# 1473
Delta R.T. 0.000 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

Tgt Ion:164 Resp: 15040
Ion Ratio Lower Upper
164 100
166 111.7 107.0 160.4
129 127.9 82.9 124.3#
131 94.6 85.4 128.2





#65

Chlorobenzene

Concen: 3.729 ug/l

RT: 11.660 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW032442.D

Acq: 12 Nov 2025 16:20

Instrument :

MSVOA_W

ClientSampleId :

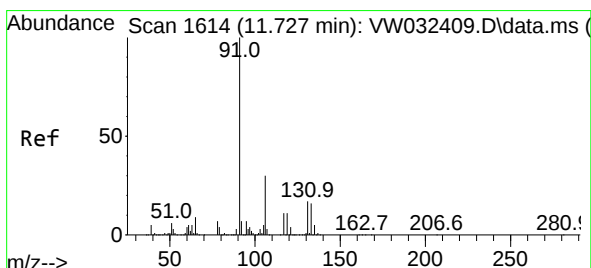
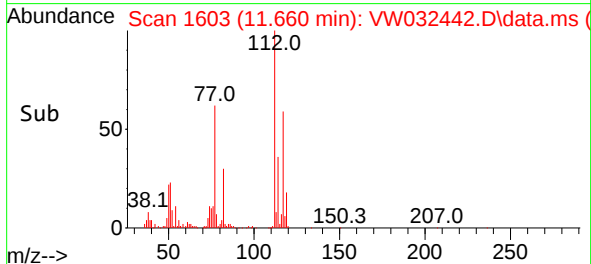
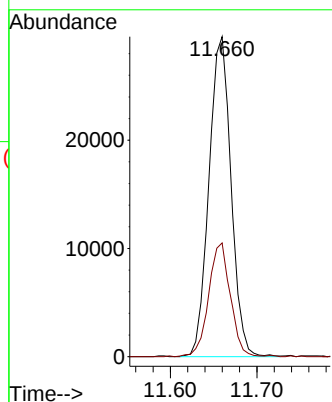
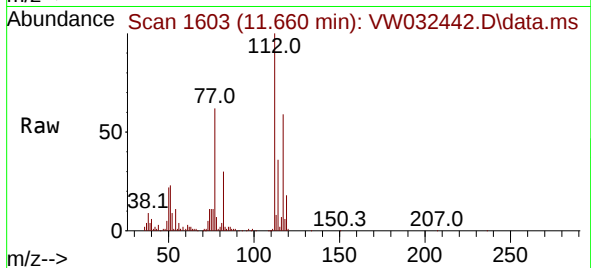
MDL-SOIL-03-QT4-2025

Tgt Ion:112 Resp: 52389

Ion Ratio Lower Upper

112 100

114 35.6 24.4 36.6



#66

1,1,1,2-Tetrachloroethane

Concen: 3.506 ug/l

RT: 11.733 min Scan# 1615

Delta R.T. 0.006 min

Lab File: VW032442.D

Acq: 12 Nov 2025 16:20

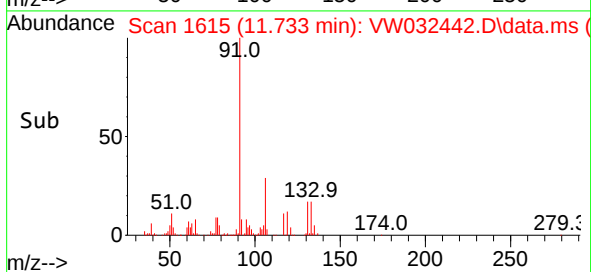
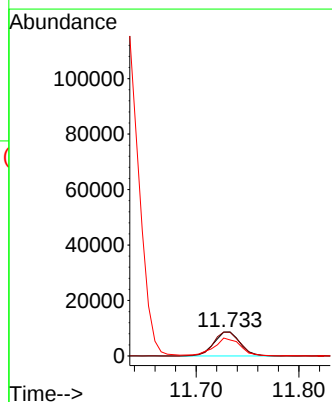
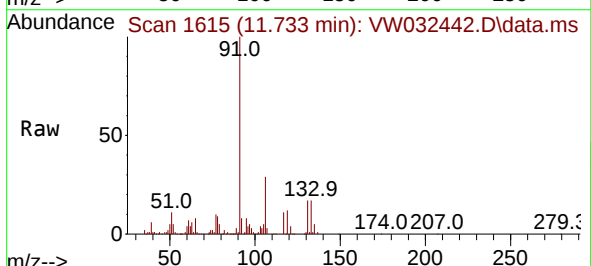
Tgt Ion:131 Resp: 15244

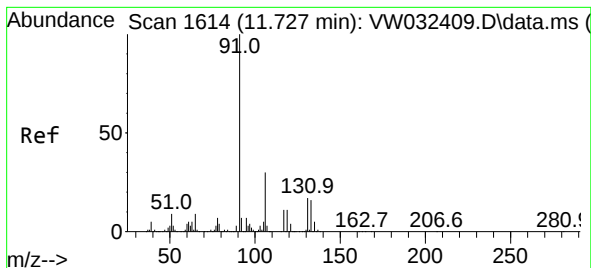
Ion Ratio Lower Upper

131 100

133 101.4 46.9 140.6

119 75.8 33.4 100.2





#67

Ethyl Benzene

Concen: 3.492 ug/l

RT: 11.733 min Scan# 1615

Delta R.T. 0.006 min

Lab File: VW032442.D

Acq: 12 Nov 2025 16:20

Instrument :

MSVOA_W

ClientSampleId :

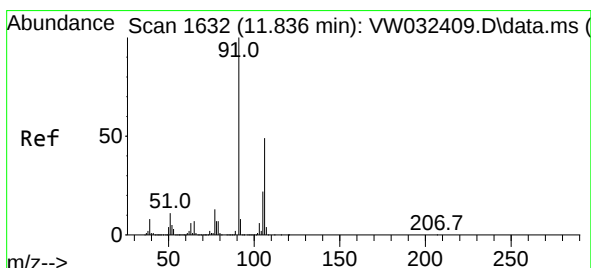
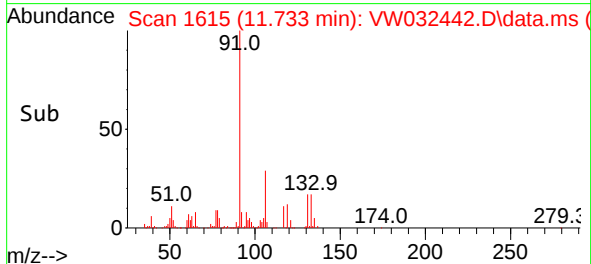
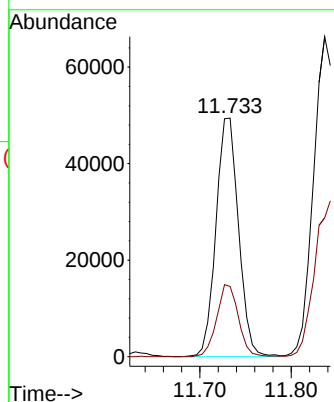
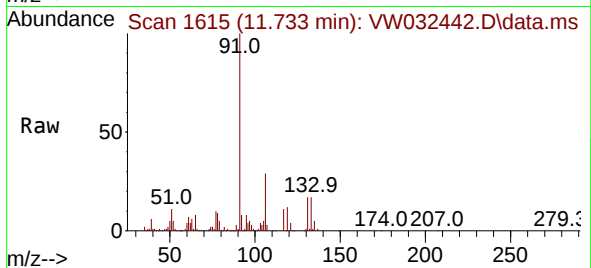
MDL-SOIL-03-QT4-2025

Tgt Ion: 91 Resp: 84877

Ion Ratio Lower Upper

91 100

106 29.4 24.2 36.2



#68

m/p-Xylenes

Concen: 6.694 ug/l

RT: 11.843 min Scan# 1633

Delta R.T. 0.006 min

Lab File: VW032442.D

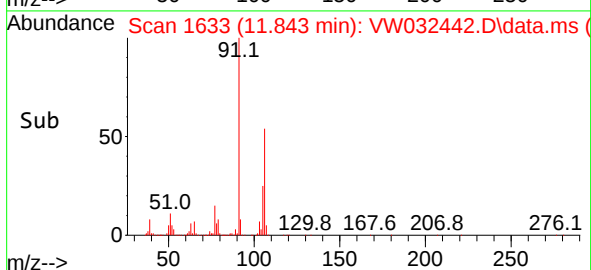
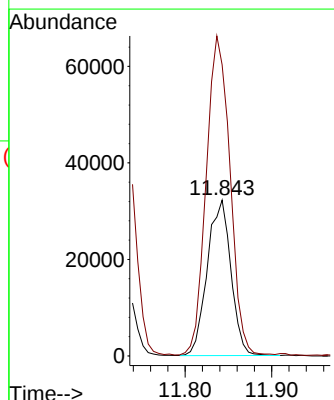
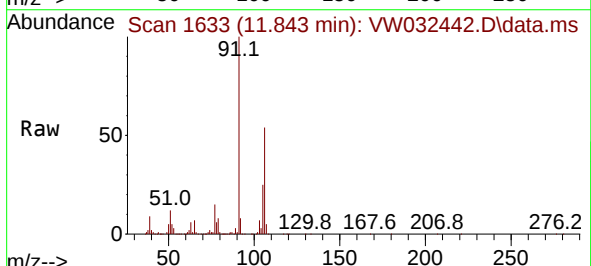
Acq: 12 Nov 2025 16:20

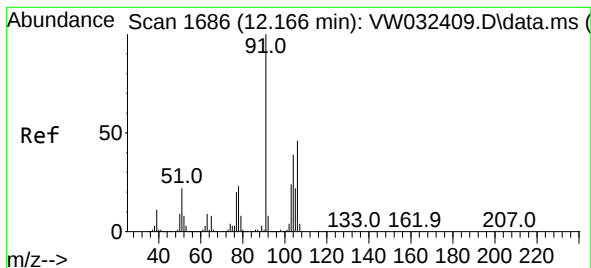
Tgt Ion: 106 Resp: 61093

Ion Ratio Lower Upper

106 100

91 206.5 165.5 248.3





#69

o-Xylene

Concen: 3.276 ug/l

RT: 12.166 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW032442.D

Acq: 12 Nov 2025 16:20

Instrument :

MSVOA_W

ClientSampleId :

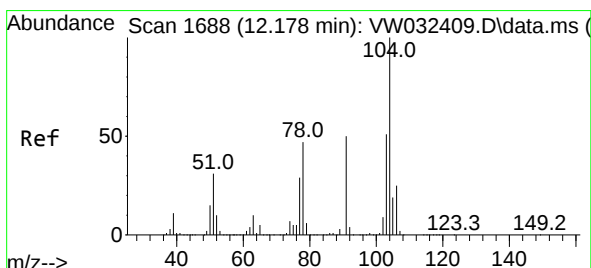
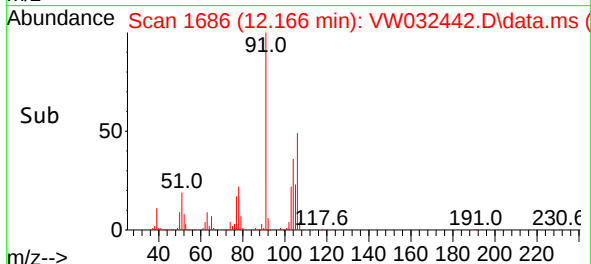
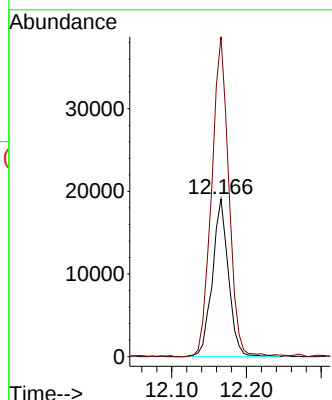
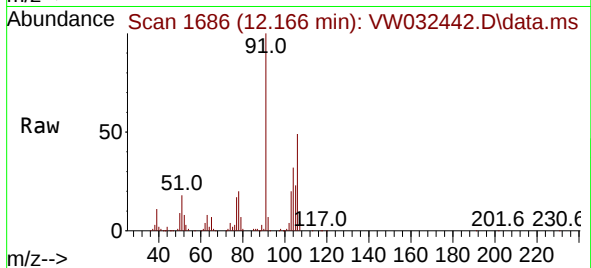
MDL-SOIL-03-QT4-2025

Tgt Ion:106 Resp: 28624

Ion Ratio Lower Upper

106 100

91 215.7 109.3 327.8



#70

Styrene

Concen: 3.210 ug/l

RT: 12.184 min Scan# 1689

Delta R.T. 0.006 min

Lab File: VW032442.D

Acq: 12 Nov 2025 16:20

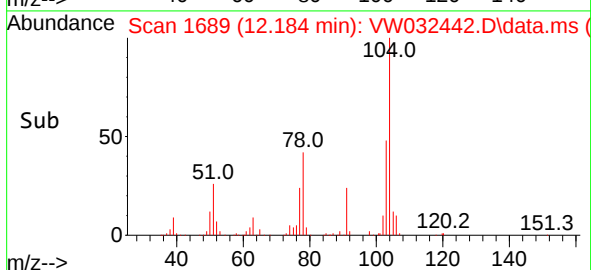
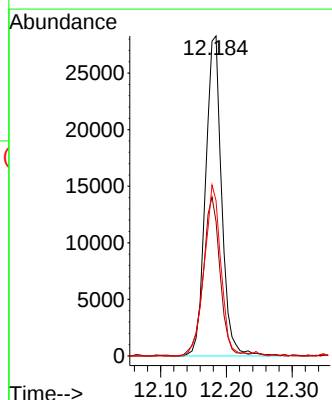
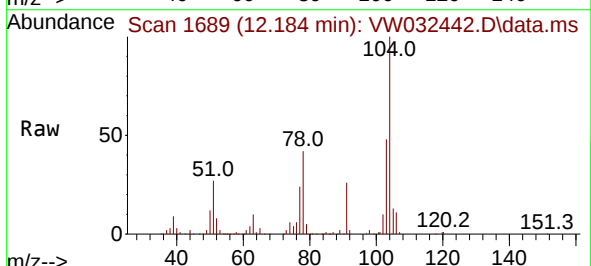
Tgt Ion:104 Resp: 48259

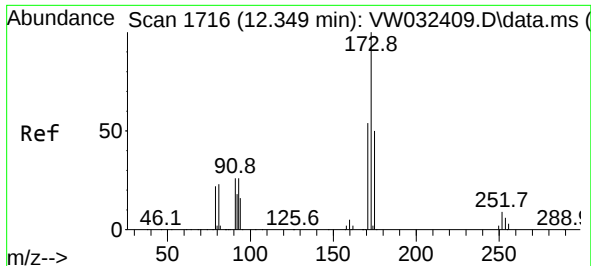
Ion Ratio Lower Upper

104 100

78 52.0 40.7 61.1

103 55.5 43.9 65.9

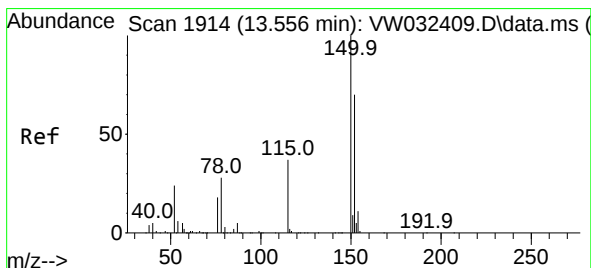
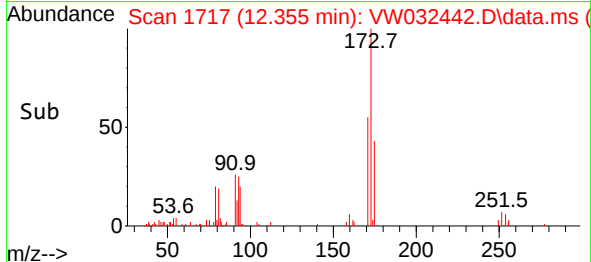
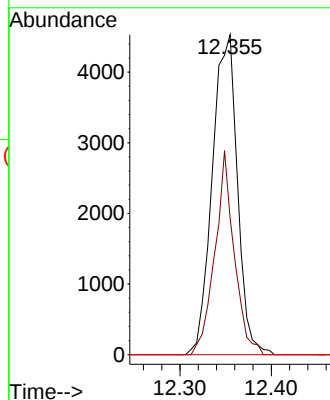
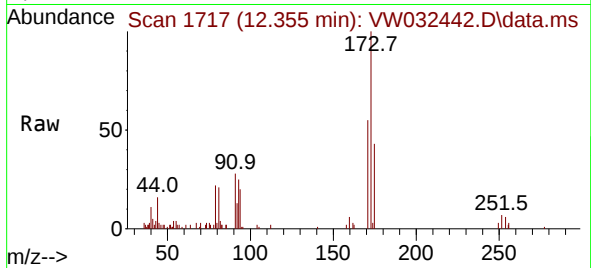




#71
Bromoform
Concen: 3.360 ug/l
RT: 12.355 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

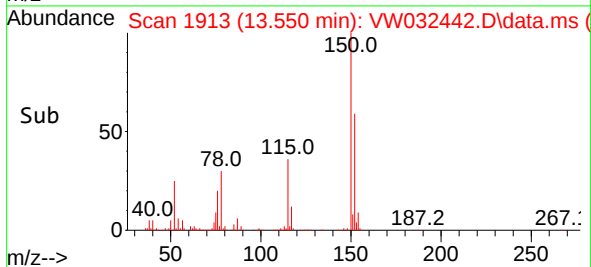
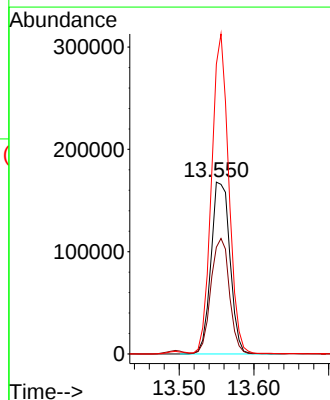
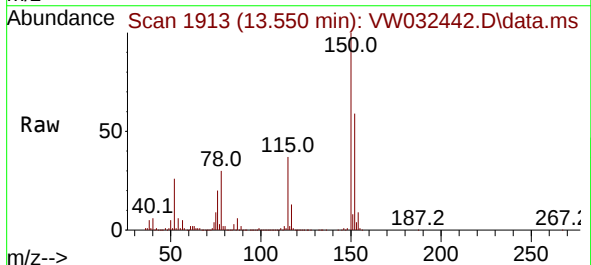
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

Tgt Ion:173 Resp: 8653
Ion Ratio Lower Upper
173 100
175 49.2 25.1 75.2
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.550 min Scan# 1913
Delta R.T. -0.006 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

Tgt Ion:152 Resp: 296751
Ion Ratio Lower Upper
152 100
115 65.2 32.8 98.3
150 168.1 0.0 356.6





#73

Isopropylbenzene

Concen: 3.221 ug/l

RT: 12.465 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW032442.D

Acq: 12 Nov 2025 16:20

Instrument :

MSVOA_W

ClientSampleId :

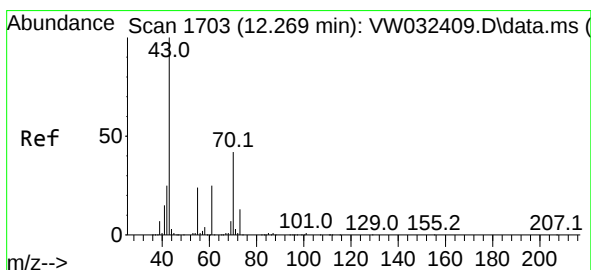
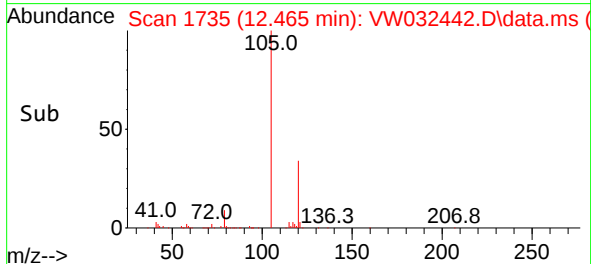
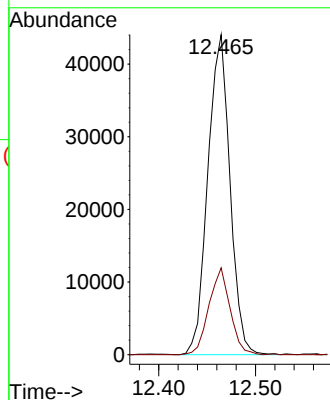
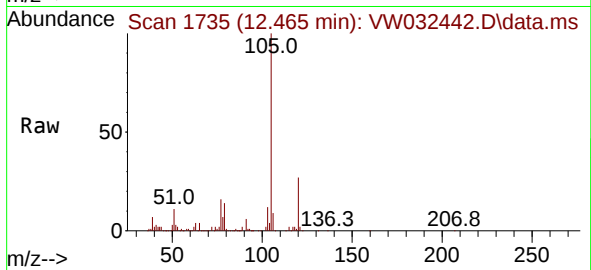
MDL-SOIL-03-QT4-2025

Tgt Ion:105 Resp: 70202

Ion Ratio Lower Upper

105 100

120 25.9 13.2 39.5



#74

N-ethyl acetate

Concen: 3.255 ug/l

RT: 12.269 min Scan# 1703

Delta R.T. 0.000 min

Lab File: VW032442.D

Acq: 12 Nov 2025 16:20

Tgt Ion: 43 Resp: 24655

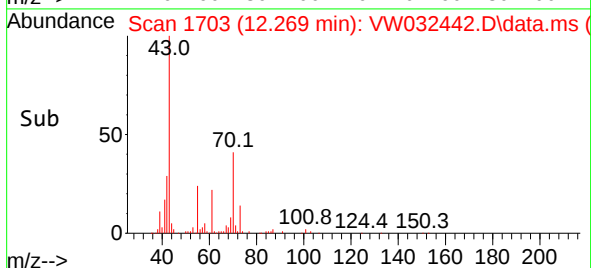
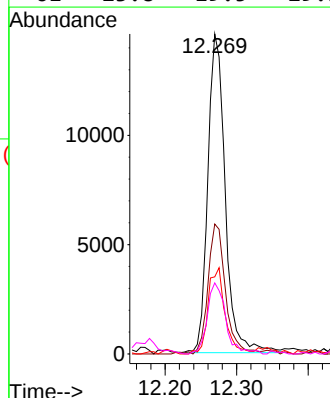
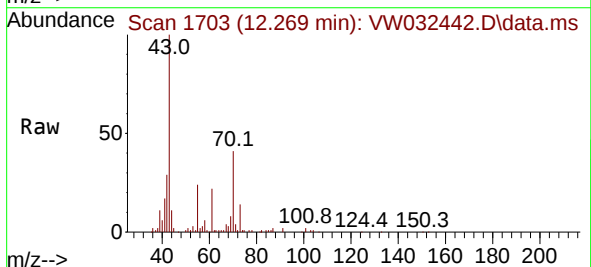
Ion Ratio Lower Upper

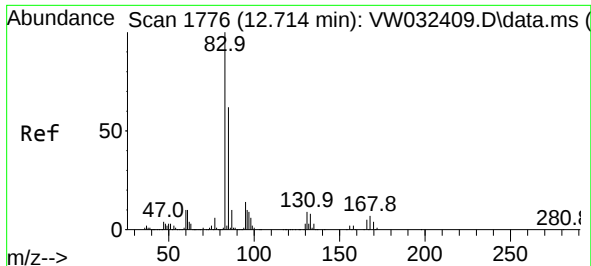
43 100

70 39.6 33.5 50.3

55 26.5 19.3 28.9

61 23.8 19.5 29.3

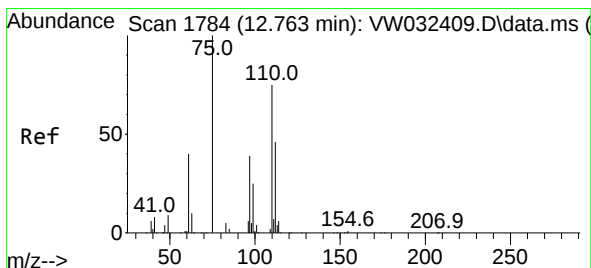
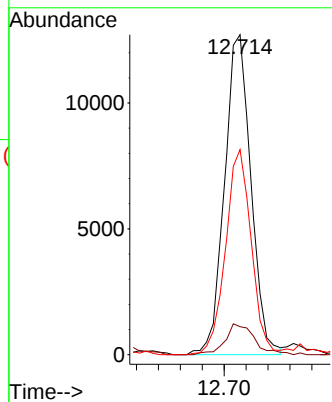
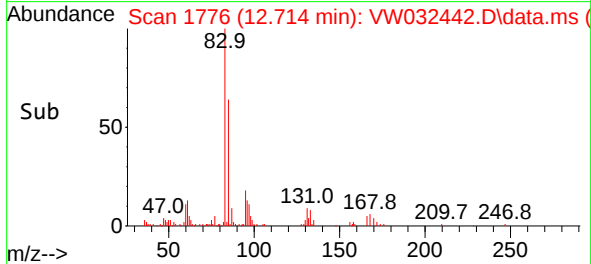
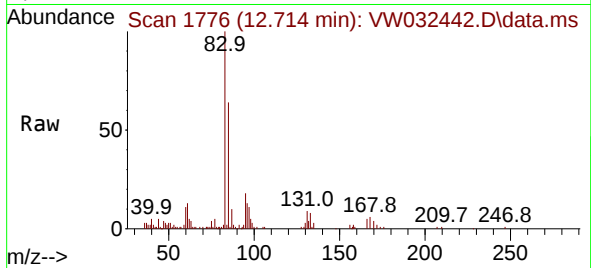




#75
1,1,2,2-Tetrachloroethane
Concen: 4.114 ug/l
RT: 12.714 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

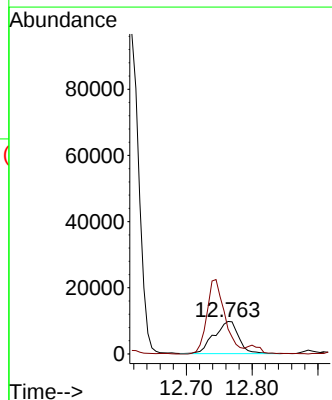
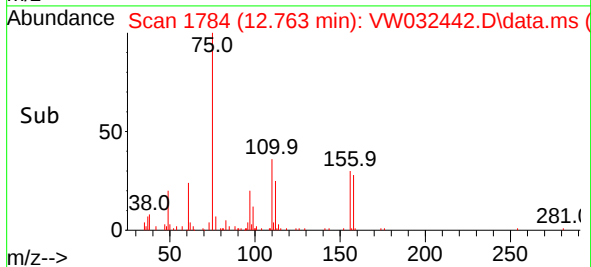
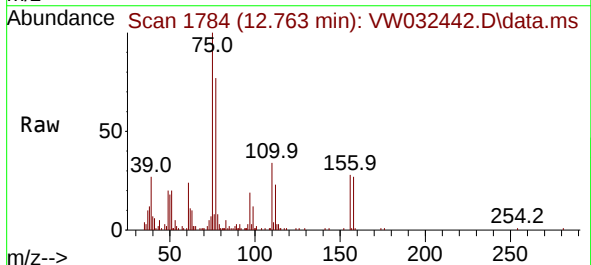
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

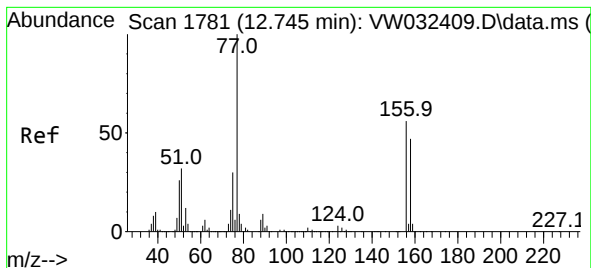
Tgt Ion: 83 Resp: 21281
Ion Ratio Lower Upper
83 100
131 10.7 5.0 14.9
85 62.4 31.6 94.8



#76
1,2,3-Trichloropropane
Concen: 6.266 ug/l
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

Tgt Ion: 75 Resp: 25494
Ion Ratio Lower Upper
75 100
77 170.6 151.6 454.8





#77

Bromobenzene

Concen: 3.638 ug/l

RT: 12.745 min Scan# 1781

Delta R.T. 0.000 min

Lab File: VW032442.D

Acq: 12 Nov 2025 16:20

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-03-QT4-2025

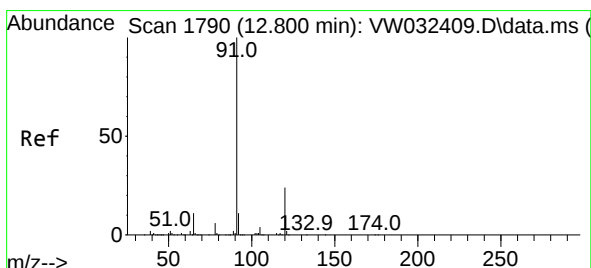
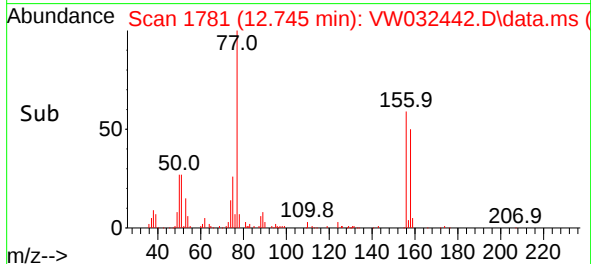
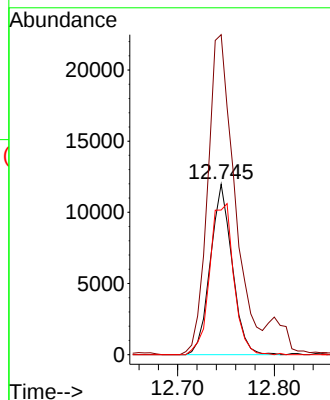
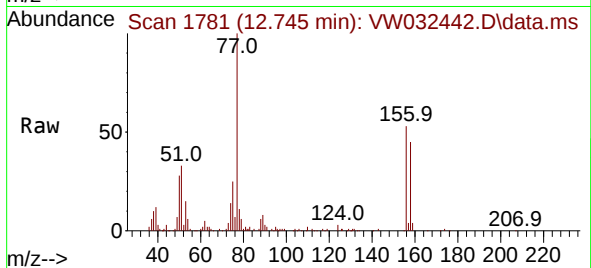
Tgt Ion:156 Resp: 18773

Ion Ratio Lower Upper

156 100

77 231.6 108.0 324.0

158 97.2 45.1 135.5



#78

n-propylbenzene

Concen: 3.514 ug/l

RT: 12.800 min Scan# 1790

Delta R.T. 0.000 min

Lab File: VW032442.D

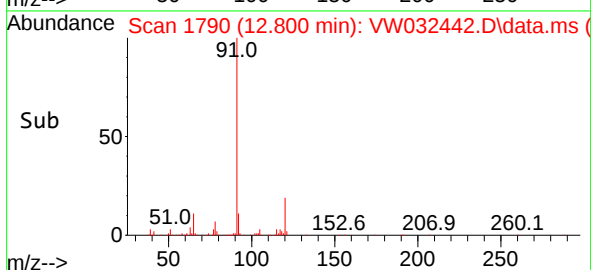
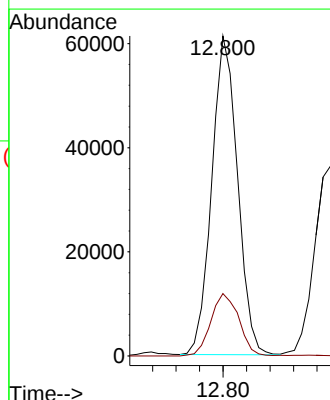
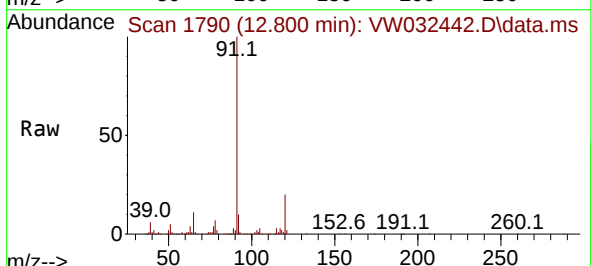
Acq: 12 Nov 2025 16:20

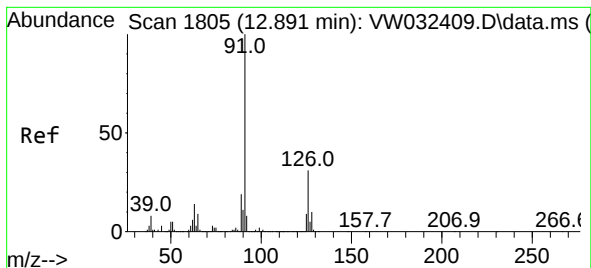
Tgt Ion: 91 Resp: 93258

Ion Ratio Lower Upper

91 100

120 21.4 11.3 33.9





#79

2-Chlorotoluene

Concen: 3.619 ug/l

RT: 12.891 min Scan# 1805

Delta R.T. 0.000 min

Lab File: VW032442.D

Acq: 12 Nov 2025 16:20

Instrument :

MSVOA_W

ClientSampleId :

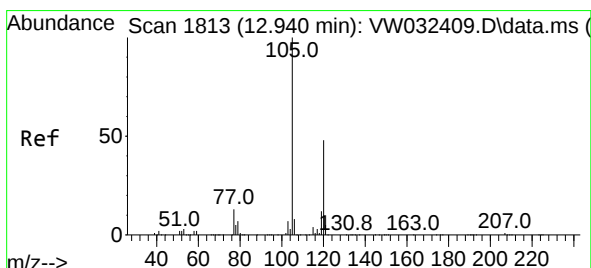
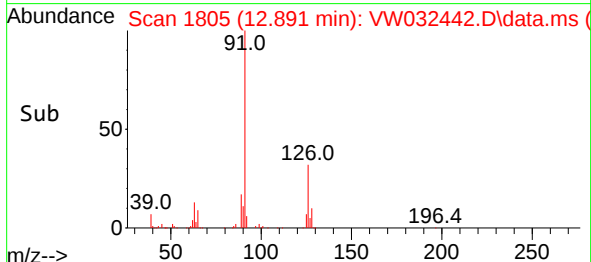
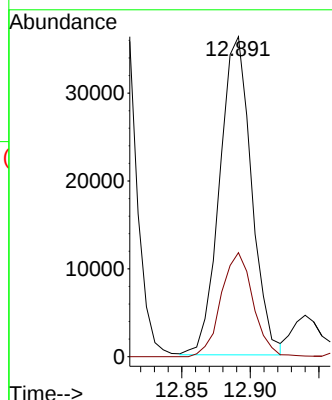
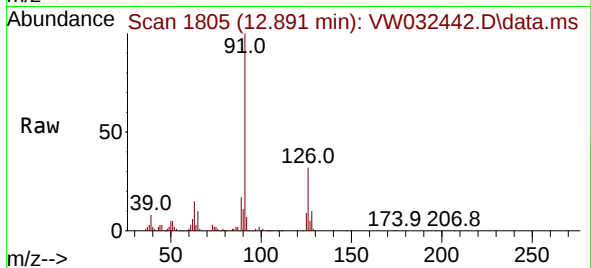
MDL-SOIL-03-QT4-2025

Tgt Ion: 91 Resp: 58633

Ion Ratio Lower Upper

91 100

126 32.9 16.1 48.2



#80

1,3,5-Trimethylbenzene

Concen: 3.480 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW032442.D

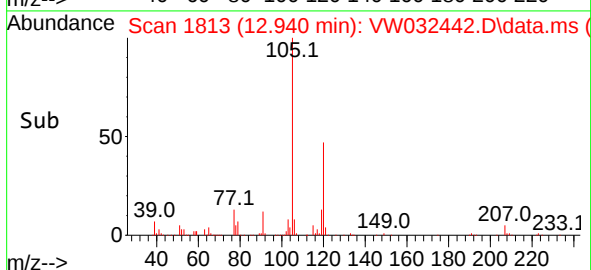
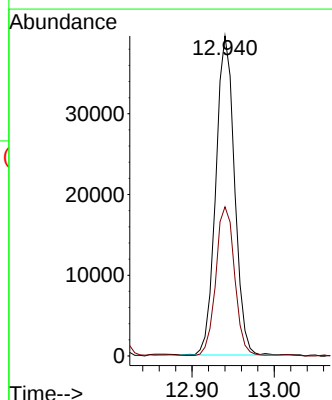
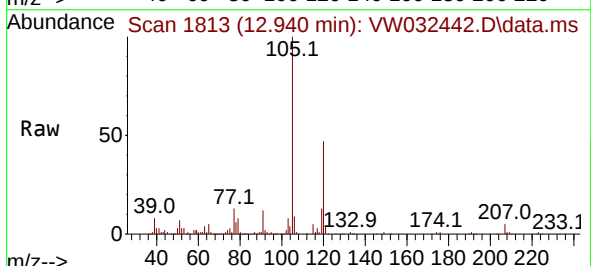
Acq: 12 Nov 2025 16:20

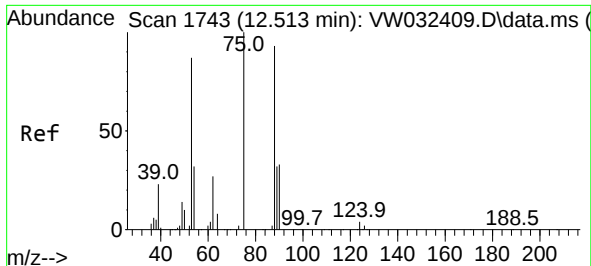
Tgt Ion: 105 Resp: 62566

Ion Ratio Lower Upper

105 100

120 46.6 24.2 72.6

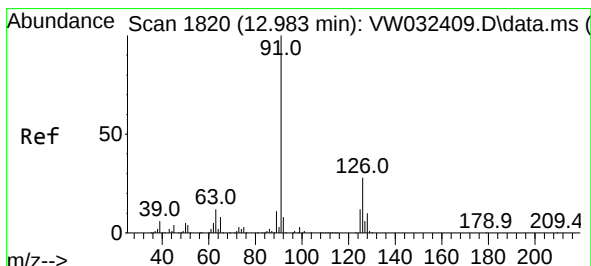
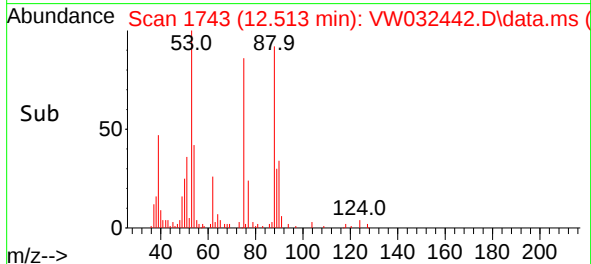
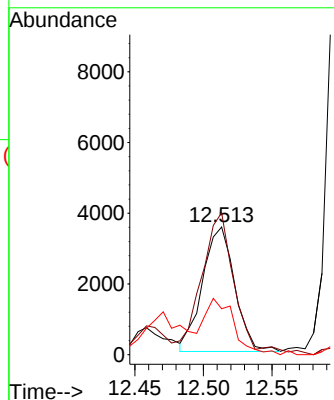
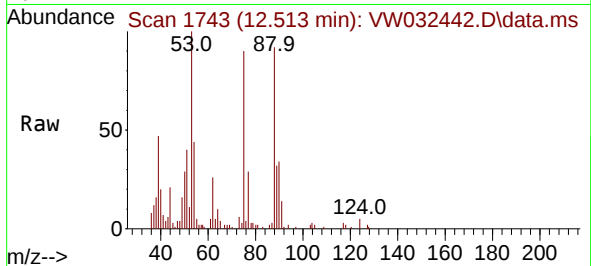




#81
trans-1,4-Dichloro-2-butene
Concen: 3.243 ug/l
RT: 12.513 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

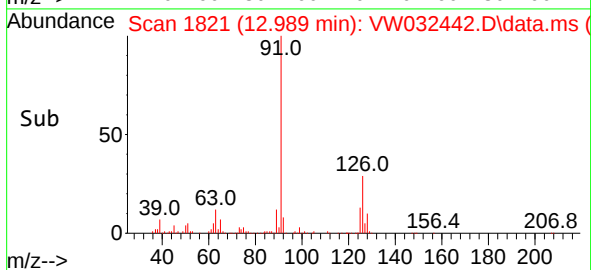
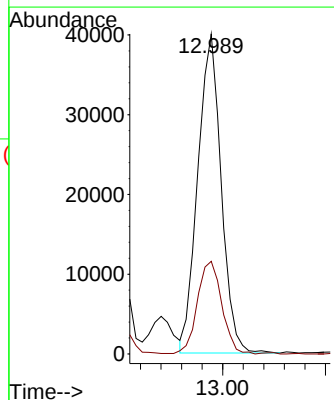
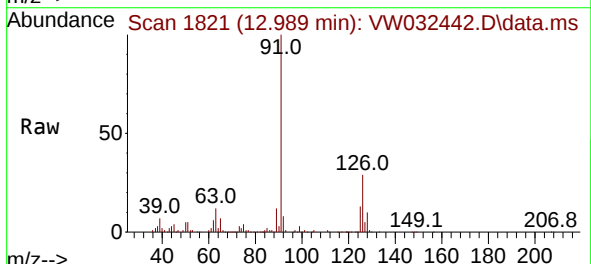
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

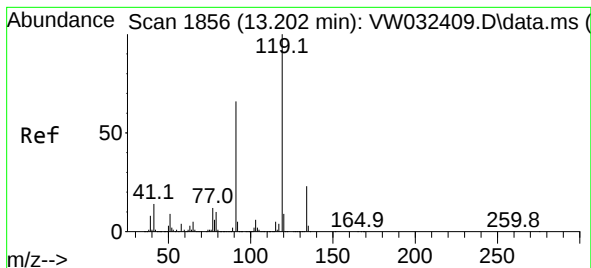
Tgt Ion: 75 Resp: 5762
Ion Ratio Lower Upper
75 100
53 118.6 77.8 116.8#
89 41.2 35.6 53.4



#82
4-Chlorotoluene
Concen: 3.752 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

Tgt Ion: 91 Resp: 63227
Ion Ratio Lower Upper
91 100
126 30.3 15.5 46.5





#83

tert-Butylbenzene

Concen: 3.154 ug/l

RT: 13.202 min Scan# 1856

Delta R.T. 0.000 min

Lab File: VW032442.D

Acq: 12 Nov 2025 16:20

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-03-QT4-2025

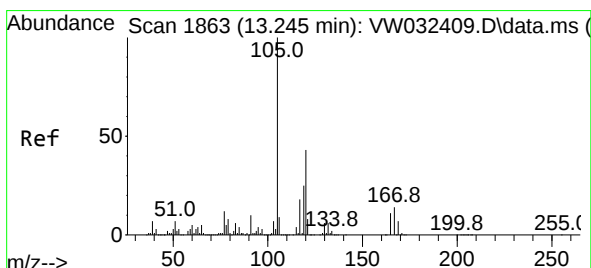
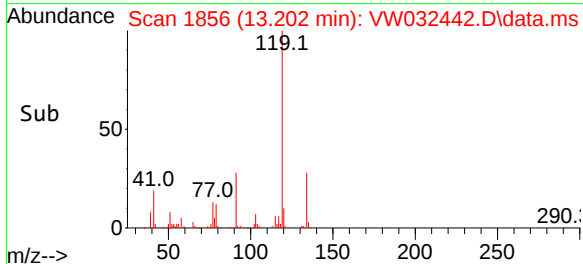
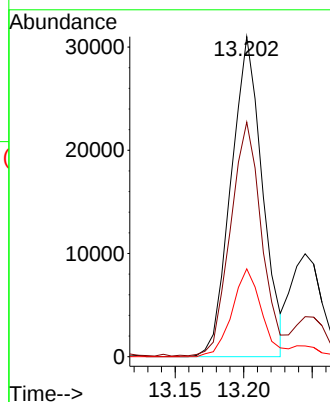
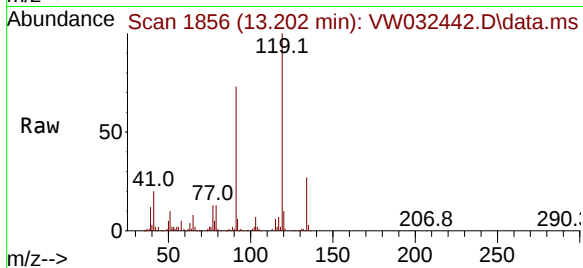
Tgt Ion:119 Resp: 49327

Ion Ratio Lower Upper

119 100

91 73.3 33.3 99.9

134 26.0 12.2 36.4



#84

1,2,4-Trimethylbenzene

Concen: 3.333 ug/l

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW032442.D

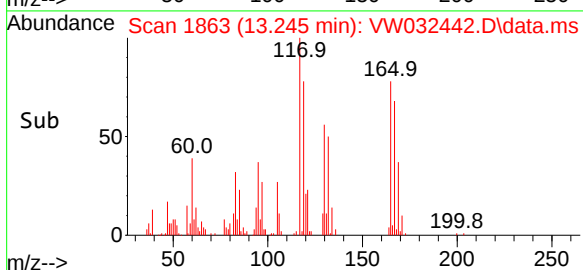
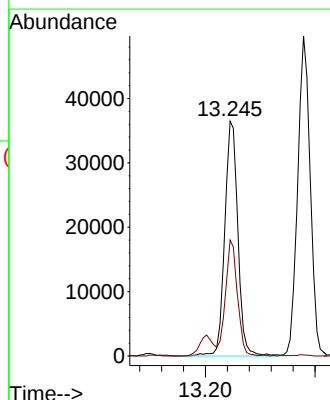
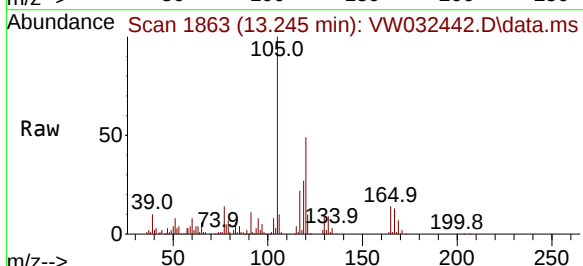
Acq: 12 Nov 2025 16:20

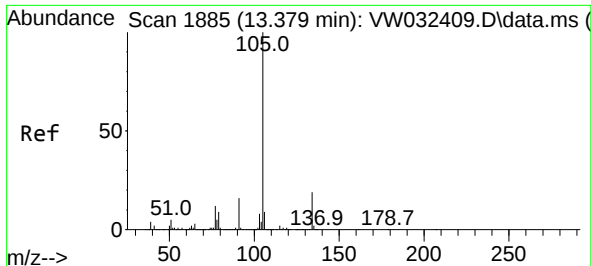
Tgt Ion:105 Resp: 60960

Ion Ratio Lower Upper

105 100

120 44.3 22.1 66.5

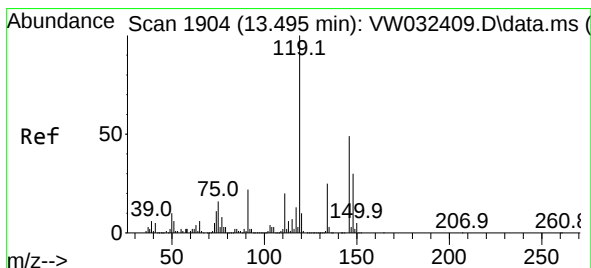
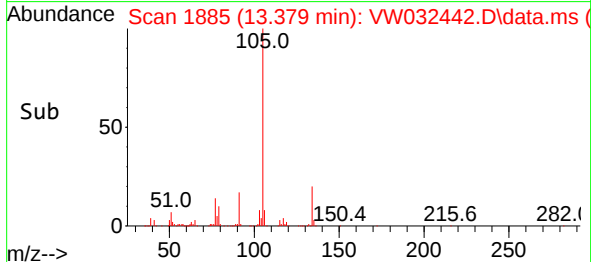
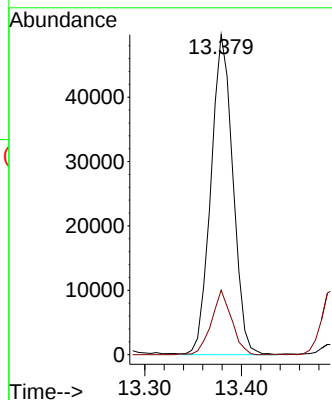
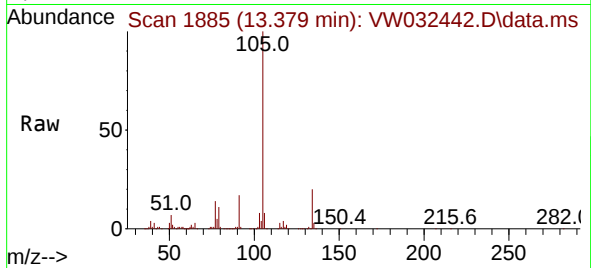




#85
 sec-Butylbenzene
 Concen: 3.374 ug/l
 RT: 13.379 min Scan# 1885
 Delta R.T. 0.000 min
 Lab File: VW032442.D
 Acq: 12 Nov 2025 16:20

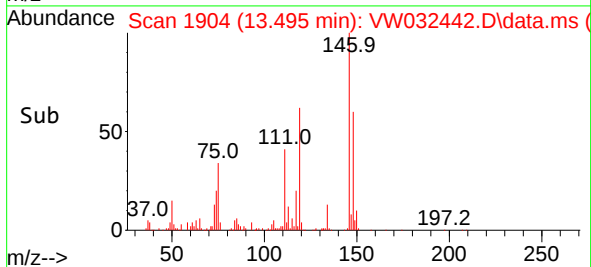
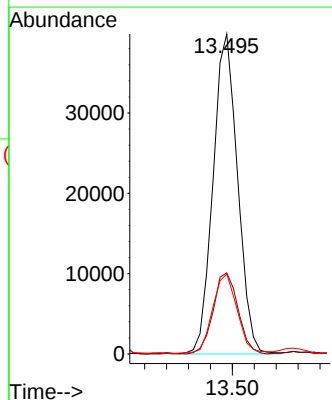
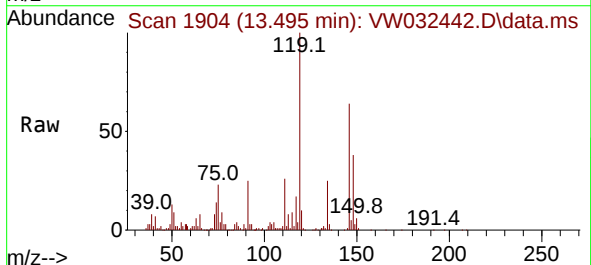
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-03-QT4-2025

Tgt Ion:105 Resp: 78598
 Ion Ratio Lower Upper
 105 100
 134 18.5 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 3.223 ug/l
 RT: 13.495 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VW032442.D
 Acq: 12 Nov 2025 16:20

Tgt Ion:119 Resp: 61994
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.7 38.1
 91 24.7 11.9 35.5





#87

1,3-Dichlorobenzene

Concen: 3.997 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW032442.D

Acq: 12 Nov 2025 16:20

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-03-QT4-2025

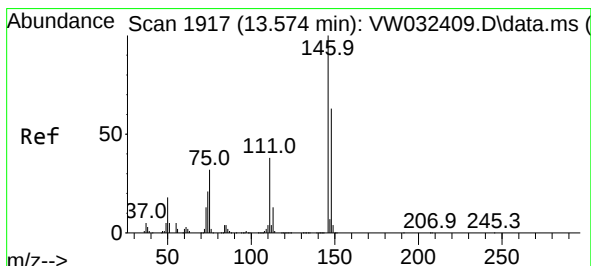
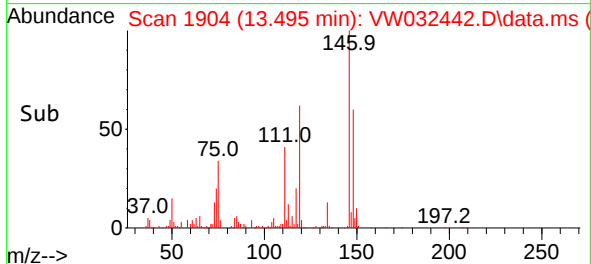
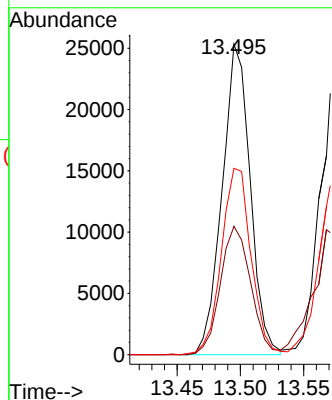
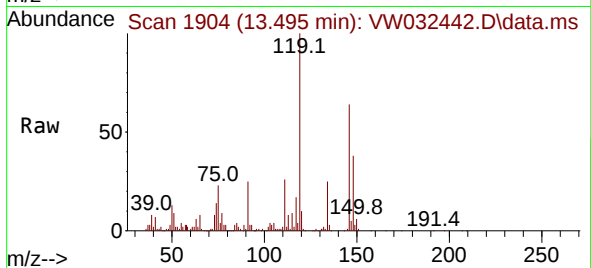
Tgt Ion:146 Resp: 39109

Ion Ratio Lower Upper

146 100

111 44.6 22.2 66.6

148 63.5 33.4 100.1



#88

1,4-Dichlorobenzene

Concen: 4.019 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW032442.D

Acq: 12 Nov 2025 16:20

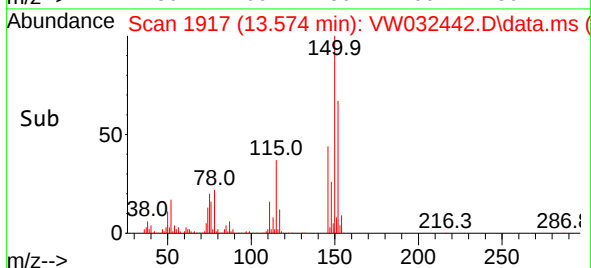
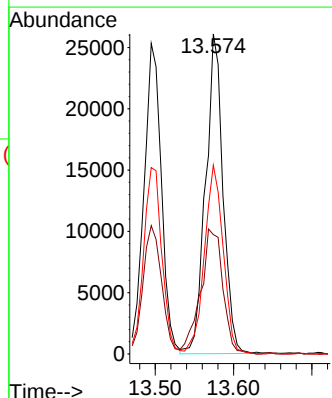
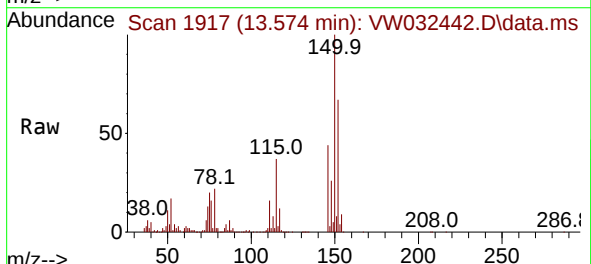
Tgt Ion:146 Resp: 40288

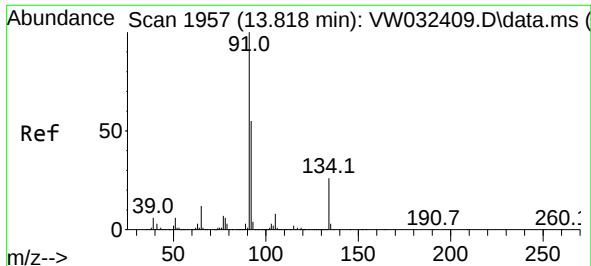
Ion Ratio Lower Upper

146 100

111 49.9 20.5 61.6

148 63.6 31.2 93.6

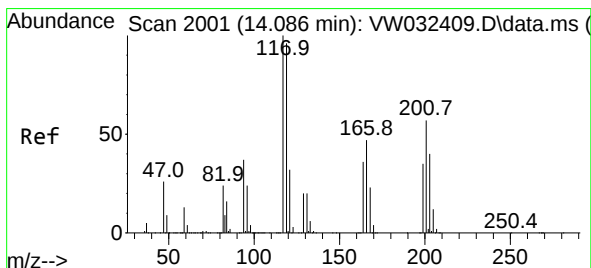
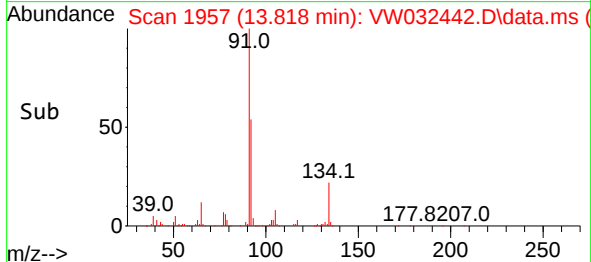
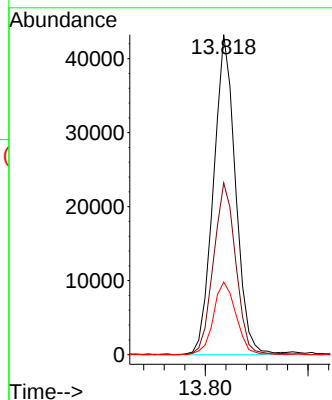
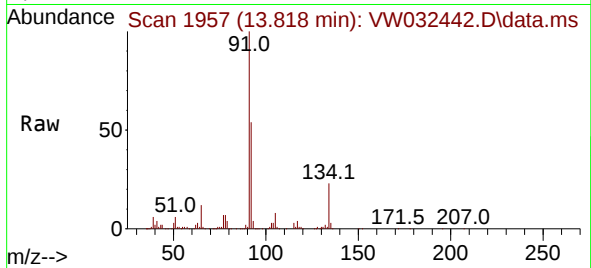




#89
n-Butylbenzene
Concen: 3.433 ug/l
RT: 13.818 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

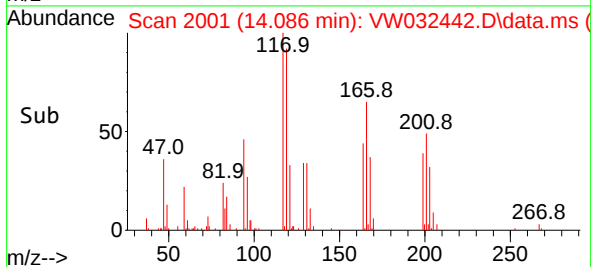
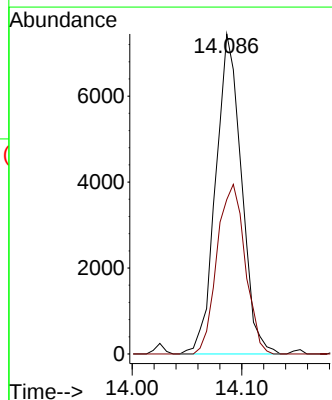
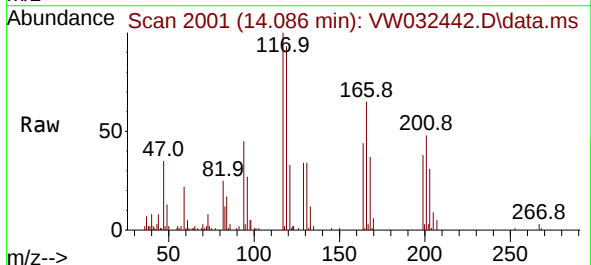
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

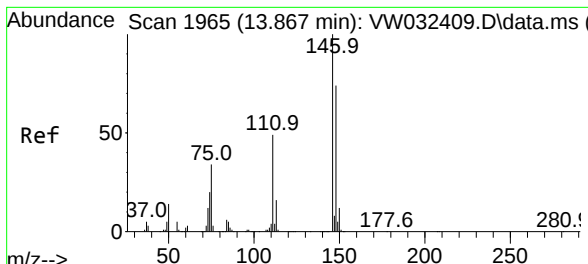
Tgt Ion:	91	Resp:	64502
Ion Ratio	Lower	Upper	
91	100		
92	54.3	27.4	82.2
134	23.3	12.4	37.4



#90
Hexachloroethane
Concen: 3.506 ug/l
RT: 14.086 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VW032442.D
Acq: 12 Nov 2025 16:20

Tgt Ion:	117	Resp:	12159
Ion Ratio	Lower	Upper	
117	100		
201	57.8	32.0	96.0

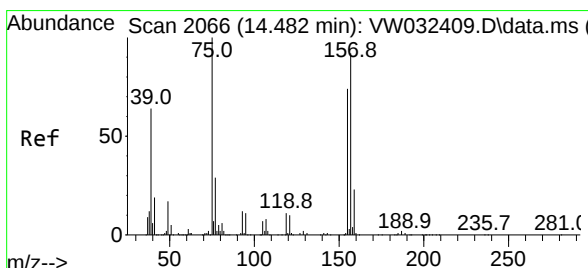
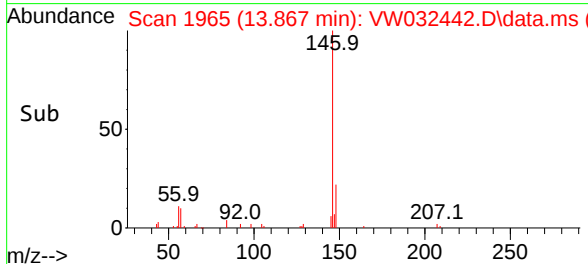
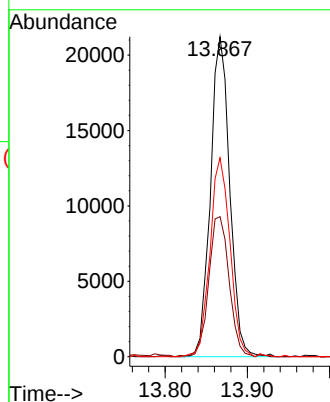
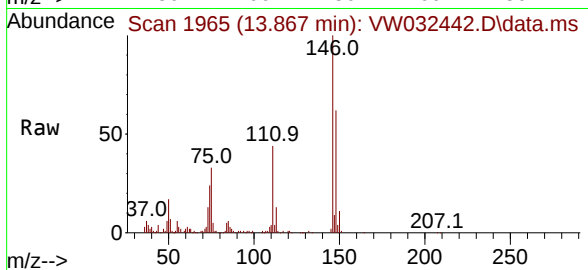




#91
 1,2-Dichlorobenzene
 Concen: 3.847 ug/l
 RT: 13.867 min Scan# 1965
 Delta R.T. 0.000 min
 Lab File: VW032442.D
 Acq: 12 Nov 2025 16:20

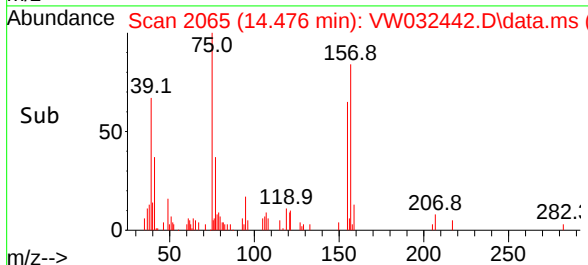
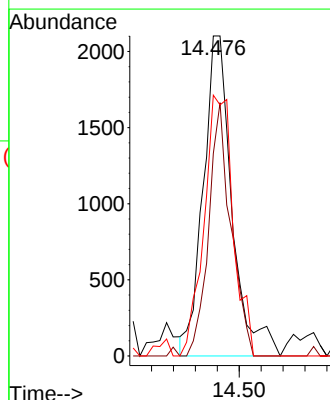
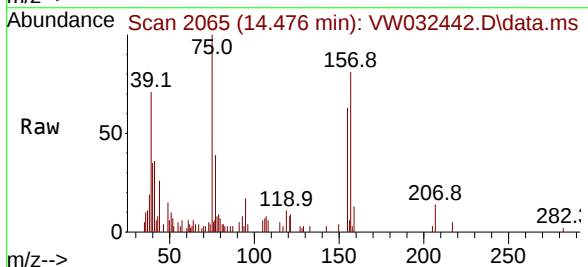
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-03-QT4-2025

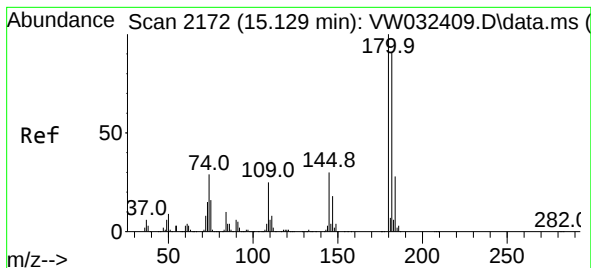
Tgt Ion:	146	Resp:	34554
Ion Ratio	Lower	Upper	
146	100		
111	46.1	23.4	70.2
148	64.2	34.0	101.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.307 ug/l
 RT: 14.476 min Scan# 2065
 Delta R.T. -0.006 min
 Lab File: VW032442.D
 Acq: 12 Nov 2025 16:20

Tgt Ion:	75	Resp:	3838
Ion Ratio	Lower	Upper	
75	100		
155	60.9	36.2	108.6
157	82.5	47.8	143.3





#93

1,2,4-Trichlorobenzene

Concen: 3.603 ug/l

RT: 15.123 min Scan# 2171

Delta R.T. -0.006 min

Lab File: VW032442.D

Acq: 12 Nov 2025 16:20

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-03-QT4-2025

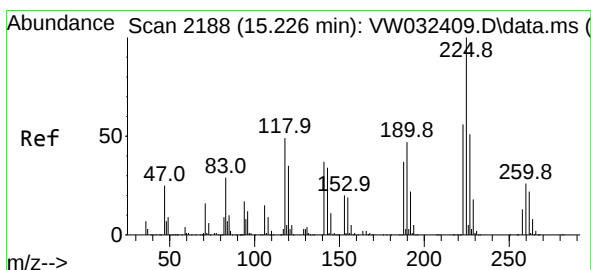
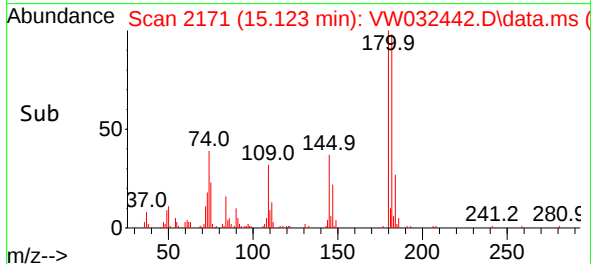
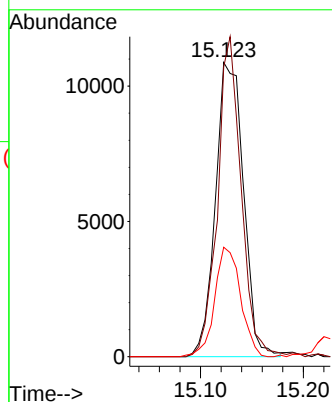
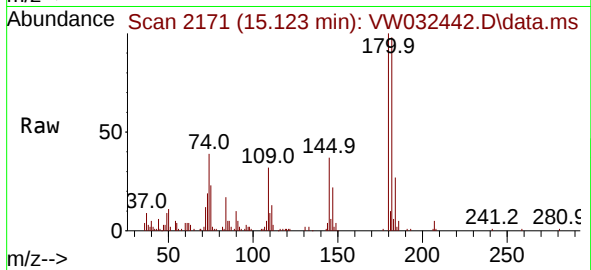
Tgt Ion:180 Resp: 20595

Ion Ratio Lower Upper

180 100

182 91.7 45.3 135.9

145 34.3 16.2 48.5



#94

Hexachlorobutadiene

Concen: 3.890 ug/l

RT: 15.226 min Scan# 2188

Delta R.T. 0.000 min

Lab File: VW032442.D

Acq: 12 Nov 2025 16:20

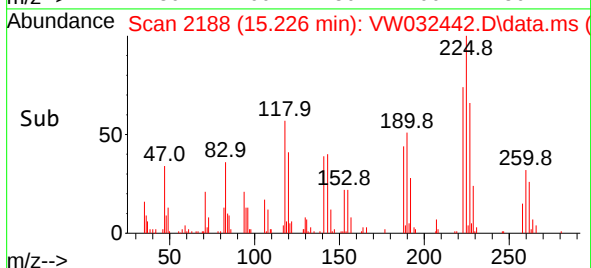
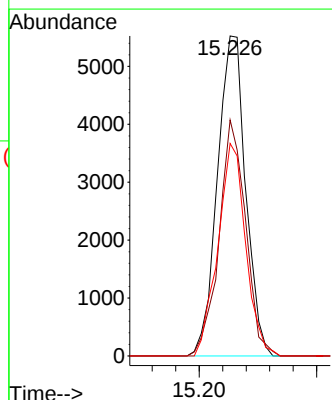
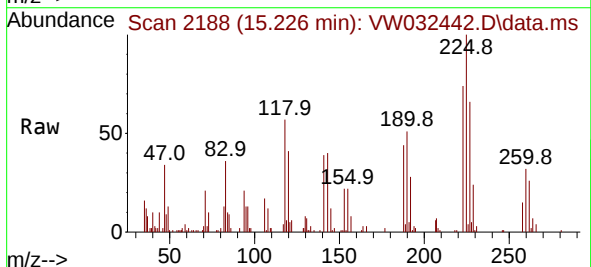
Tgt Ion:225 Resp: 9235

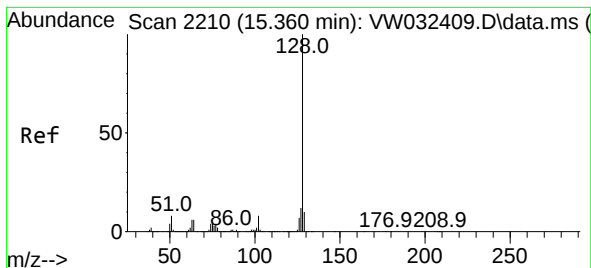
Ion Ratio Lower Upper

225 100

223 69.1 30.6 91.8

227 65.2 29.8 89.4





#95

Naphthalene

Concen: 2.936 ug/l

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW032442.D

Acq: 12 Nov 2025 16:20

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-03-QT4-2025

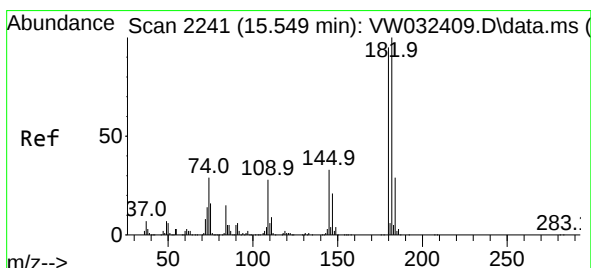
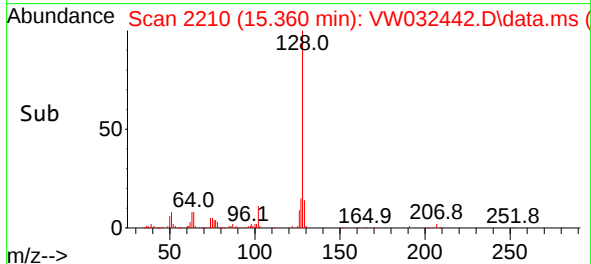
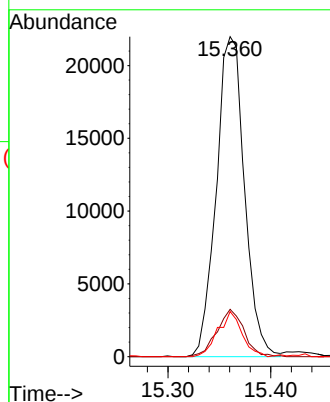
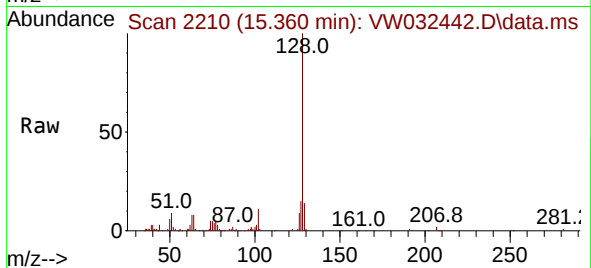
Tgt Ion:128 Resp: 41841

Ion Ratio Lower Upper

128 100

127 14.2 10.2 15.4

129 12.1 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 3.568 ug/l

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW032442.D

Acq: 12 Nov 2025 16:20

Tgt Ion:180 Resp: 18516

Ion Ratio Lower Upper

180 100

182 97.9 50.3 151.0

145 36.8 17.8 53.3

