

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111225\
 Data File : VW032441.D
 Acq On : 12 Nov 2025 15:58
 Operator : SY/MD
 Sample : Q3530-03
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Nov 14 05:19:05 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	7.959	168	369667	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	728216	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	668535	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	316928	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	256154	53.747	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 107.500%	
35) Dibromofluoromethane	7.892	113	214498	49.197	ug/l	-0.01
Spiked Amount	50.000	Range	70 - 134	Recovery	= 98.400%	
50) Toluene-d8	10.325	98	817786	48.892	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 97.780%	
62) 4-Bromofluorobenzene	12.617	95	299608	47.417	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 94.840%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.040	85	4209	2.244	ug/l	88
3) Chloromethane	2.259	50	9302	2.893	ug/l	96
4) Vinyl Chloride	2.405	62	11022	2.717	ug/l	99
5) Bromomethane	2.826	94	7376	2.718	ug/l	92
6) Chloroethane	2.966	64	6197	2.335	ug/l	97
7) Trichlorofluoromethane	3.302	101	6497	2.042	ug/l	99
8) Diethyl Ether	3.722	74	7092	2.727	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.088	101	10282	2.967	ug/l	99
10) Methyl Iodide	4.301	142	14329	2.567	ug/l	97
11) Tert butyl alcohol	5.185	59	419	1.017	ug/l #	4
12) 1,1-Dichloroethene	4.076	96	10280	2.587	ug/l	87
13) Acrolein	3.923	56	6197	8.963	ug/l	97
14) Allyl chloride	4.704	41	17414	2.279	ug/l	92
15) Acrylonitrile	5.405	53	18330	12.190	ug/l	97
16) Acetone	4.155	43	21863	15.333	ug/l	96
17) Carbon Disulfide	4.417	76	29212	2.487	ug/l	98
18) Methyl Acetate	4.704	43	10083	2.856	ug/l	99
19) Methyl tert-butyl Ether	5.454	73	19800	2.364	ug/l	97
20) Methylene Chloride	4.954	84	25894	5.078	ug/l	92
21) trans-1,2-Dichloroethene	5.454	96	11207	2.467	ug/l	96
22) Diisopropyl ether	6.338	45	36340	2.336	ug/l	94
23) Vinyl Acetate	6.283	43	113426	10.641	ug/l	98
24) 1,1-Dichloroethane	6.234	63	22806	2.676	ug/l	96
25) 2-Butanone	7.197	43	26184	12.465	ug/l	94
26) 2,2-Dichloropropane	7.173	77	16249	3.421	ug/l	87
27) cis-1,2-Dichloroethene	7.185	96	13728	2.529	ug/l	86
28) Bromochloromethane	7.526	49	11006	2.732	ug/l	97
29) Tetrahydrofuran	7.557	42	15739	11.805	ug/l	97
30) Chloroform	7.691	83	23065	2.764	ug/l	98
31) Cyclohexane	7.965	56	27508	3.489	ug/l #	76
32) 1,1,1-Trichloroethane	7.886	97	15733	2.639	ug/l	91
36) 1,1-Dichloropropene	8.093	75	15947	2.482	ug/l	96
37) Ethyl Acetate	7.277	43	9896	2.072	ug/l #	94
38) Carbon Tetrachloride	8.081	117	14007	2.454	ug/l	88
39) Methylcyclohexane	9.337	83	19237	2.312	ug/l	95
40) Benzene	8.331	78	50683	2.450	ug/l	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	5702	2.173	ug/l	90
42) 1,2-Dichloroethane	8.410	62	15253	2.510	ug/l	98
43) Isopropyl Acetate	8.435	43	17549	2.075	ug/l	95
44) Trichloroethene	9.093	130	11564	2.402	ug/l	94
45) 1,2-Dichloropropane	9.374	63	13339	2.589	ug/l	98
46) Dibromomethane	9.465	93	7288	2.421	ug/l	99
47) Bromodichloromethane	9.654	83	15925	2.319	ug/l	95
48) Methyl methacrylate	9.447	41	7484	1.862	ug/l	93
49) 1,4-Dioxane	9.459	88	1913	45.365	ug/l #	99
51) 4-Methyl-2-Pentanone	10.215	43	49782	10.646	ug/l	96
52) Toluene	10.392	92	31752	2.485	ug/l	95
53) t-1,3-Dichloropropene	10.611	75	14571	2.060	ug/l	99
54) cis-1,3-Dichloropropene	10.075	75	17632	2.156	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	10238	2.479	ug/l	98
56) Ethyl methacrylate	10.648	69	12244	1.932	ug/l	98
57) 1,3-Dichloropropane	10.934	76	17676	2.397	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.928	63	32101	9.513	ug/l	100
59) 2-Hexanone	10.971	43	34318	10.031	ug/l	92
60) Dibromochloromethane	11.129	129	10408	2.257	ug/l	95
61) 1,2-Dibromoethane	11.233	107	9832	2.445	ug/l	94
64) Tetrachloroethene	10.867	164	9631	2.433	ug/l	85
65) Chlorobenzene	11.660	112	34138	2.369	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.727	131	9606	2.154	ug/l	93
67) Ethyl Benzene	11.727	91	54104	2.170	ug/l	99
68) m/p-Xylenes	11.837	106	39552	4.225	ug/l	100
69) o-Xylene	12.166	106	17644	1.968	ug/l	99
70) Styrene	12.178	104	30320	1.966	ug/l	98
71) Bromoform	12.349	173	5843	2.212	ug/l #	94
73) Isopropylbenzene	12.459	105	44692	1.920	ug/l	99
74) N-amyl acetate	12.276	43	14865	1.838	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.708	83	13021	2.357	ug/l	97
76) 1,2,3-Trichloropropane	12.763	75	15709	3.615	ug/l #	1
77) Bromobenzene	12.745	156	11953	2.169	ug/l	91
78) n-propylbenzene	12.800	91	61137	2.157	ug/l	97
79) 2-Chlorotoluene	12.885	91	37270	2.154	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	39282	2.046	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.617	75	147669	77.832	ug/l #	11
82) 4-Chlorotoluene	12.989	91	39142	2.175	ug/l	98
83) tert-Butylbenzene	13.202	119	32563	1.949	ug/l	94
84) 1,2,4-Trimethylbenzene	13.245	105	39165	2.005	ug/l	96
85) sec-Butylbenzene	13.379	105	50741	2.040	ug/l	99
86) p-Isopropyltoluene	13.495	119	39168	1.907	ug/l	96
87) 1,3-Dichlorobenzene	13.495	146	25187	2.411	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	27737	2.591	ug/l	88
89) n-Butylbenzene	13.818	91	41423	2.064	ug/l	99
90) Hexachloroethane	14.086	117	8074	2.180	ug/l	96
91) 1,2-Dichlorobenzene	13.867	146	22675	2.364	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.483	75	2529	2.658	ug/l	86
93) 1,2,4-Trichlorobenzene	15.123	180	13235	2.168	ug/l	95
94) Hexachlorobutadiene	15.226	225	6032	2.379	ug/l	95
95) Naphthalene	15.360	128	27405	1.800	ug/l	97
96) 1,2,3-Trichlorobenzene	15.549	180	12318	2.223	ug/l	95

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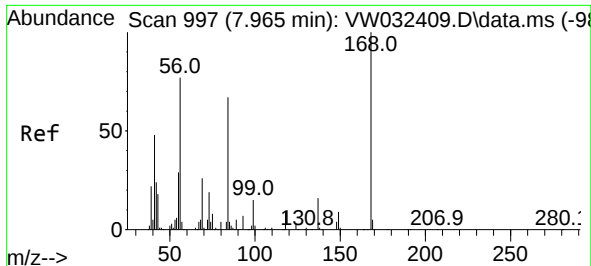
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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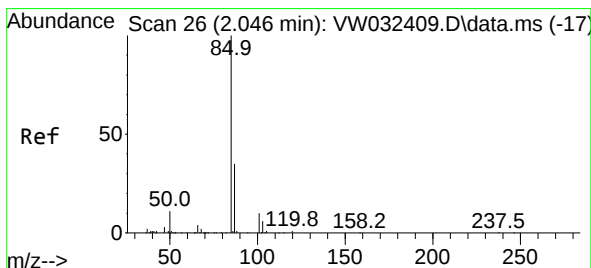
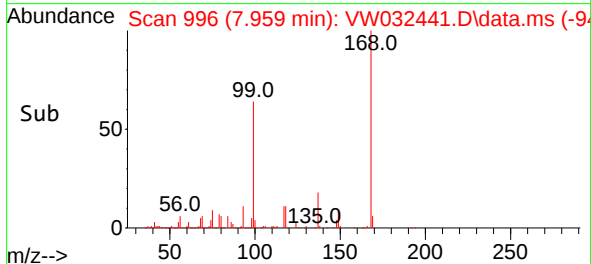
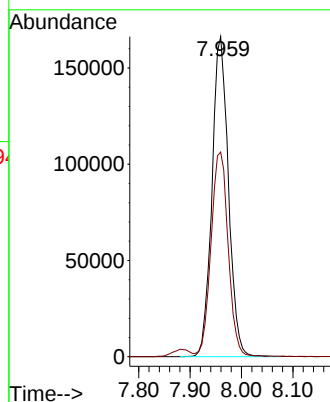
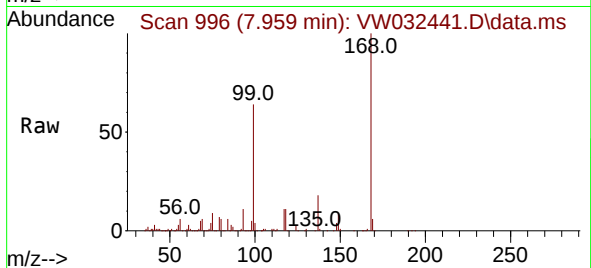




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
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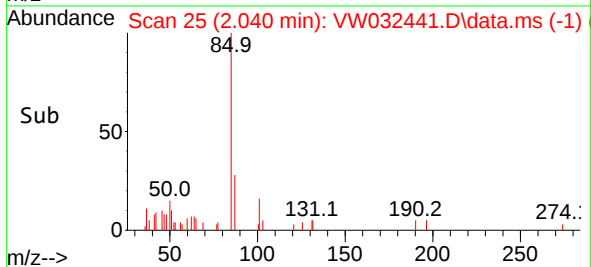
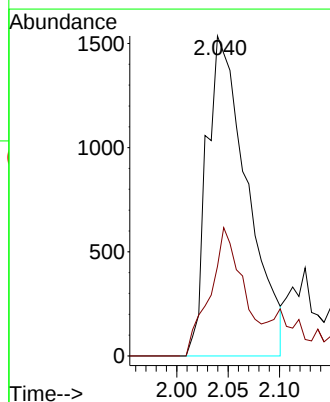
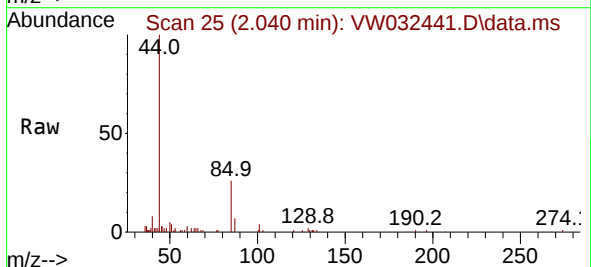
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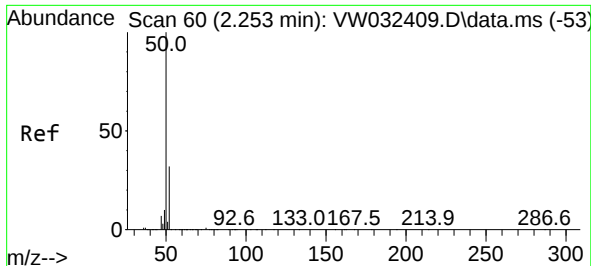
Tgt Ion:168 Resp: 369667
Ion Ratio Lower Upper
168 100
99 63.8 45.4 68.2



#2
Dichlorodifluoromethane
Concen: 2.244 ug/l
RT: 2.040 min Scan# 25
Delta R.T. -0.006 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

Tgt Ion: 85 Resp: 4209
Ion Ratio Lower Upper
85 100
87 28.0 17.4 52.2

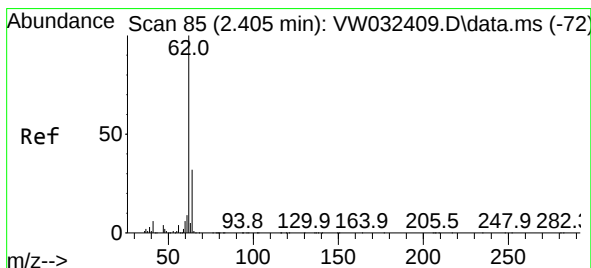
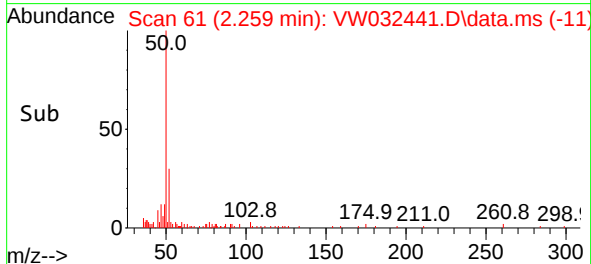
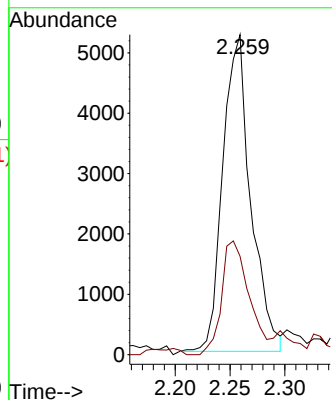
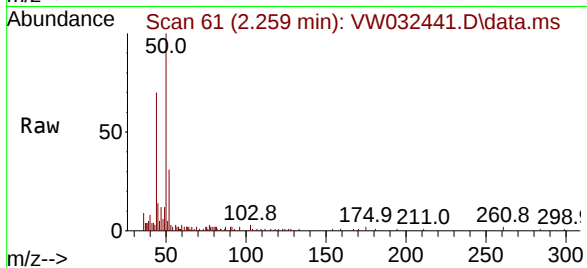




#3
Chloromethane
Concen: 2.893 ug/l
RT: 2.259 min Scan# 61
Delta R.T. 0.006 min
Lab File: VW032441.D
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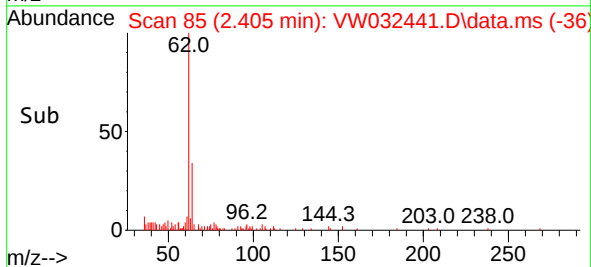
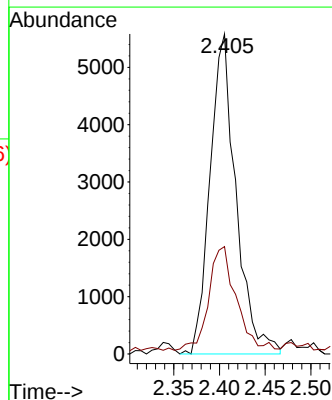
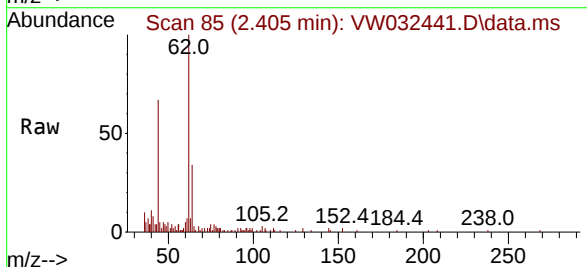
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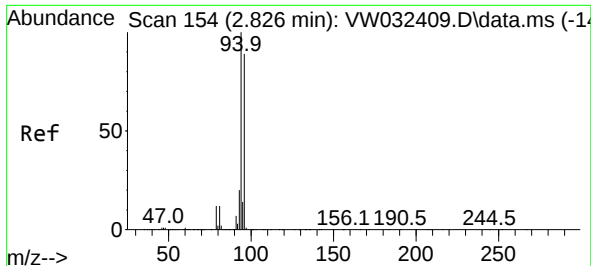
Tgt Ion: 50 Resp: 9302
Ion Ratio Lower Upper
50 100
52 29.7 25.5 38.3



#4
Vinyl Chloride
Concen: 2.717 ug/l
RT: 2.405 min Scan# 85
Delta R.T. 0.000 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

Tgt Ion: 62 Resp: 11022
Ion Ratio Lower Upper
62 100
64 32.0 25.2 37.8

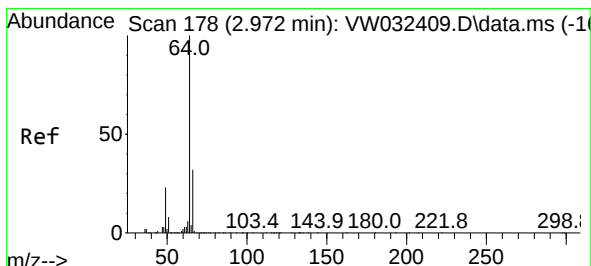
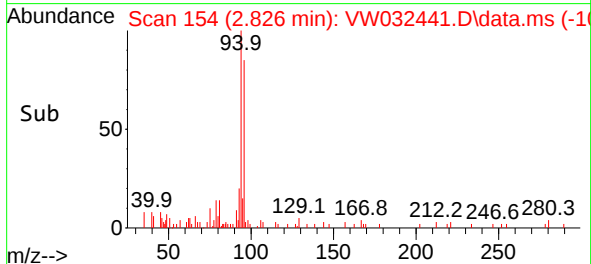
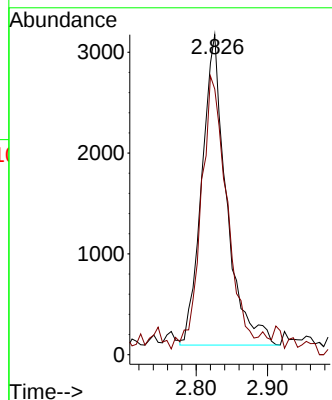
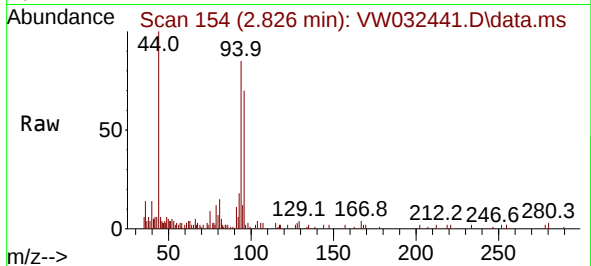




#5
Bromomethane
Concen: 2.718 ug/l
RT: 2.826 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

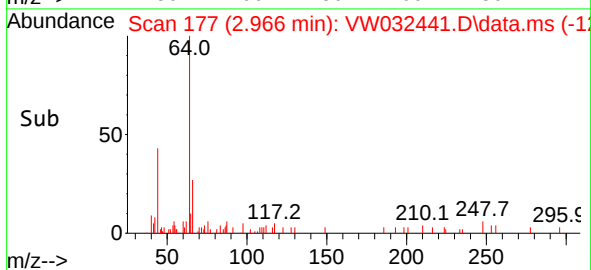
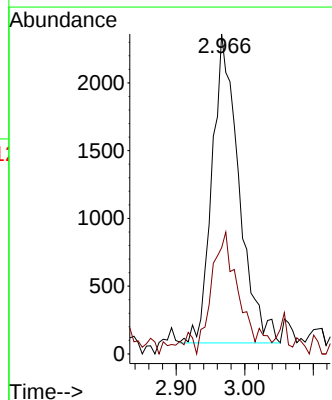
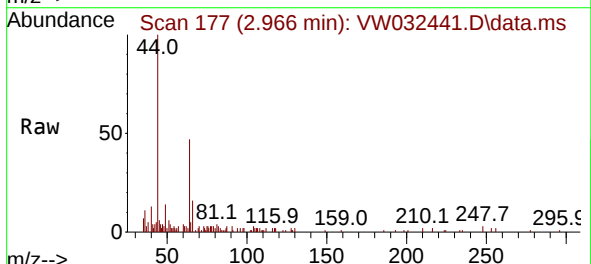
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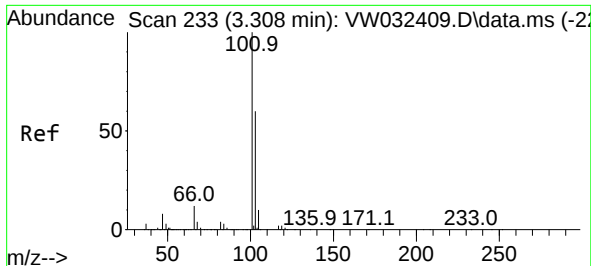
Tgt Ion: 94 Resp: 7376
Ion Ratio Lower Upper
94 100
96 81.5 71.4 107.2



#6
Chloroethane
Concen: 2.335 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

Tgt Ion: 64 Resp: 6197
Ion Ratio Lower Upper
64 100
66 30.4 25.6 38.4

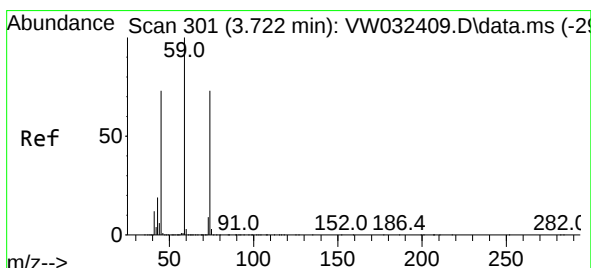
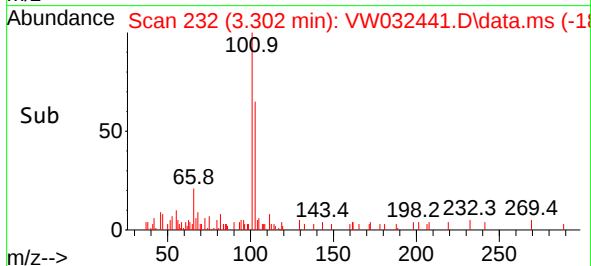
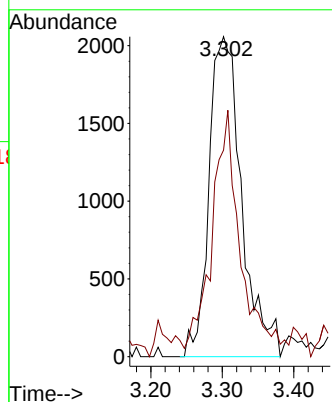
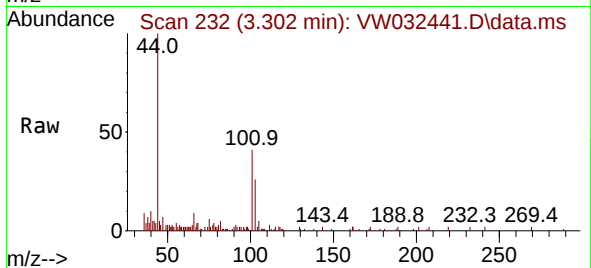




#7
 Trichlorofluoromethane
 Concen: 2.042 ug/l
 RT: 3.302 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VW032441.D
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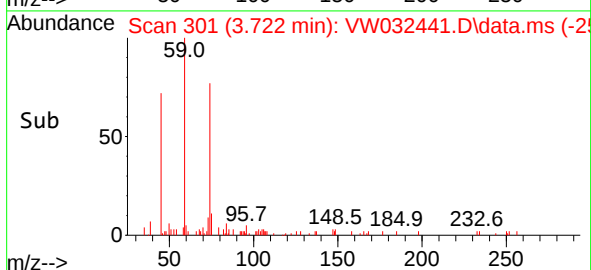
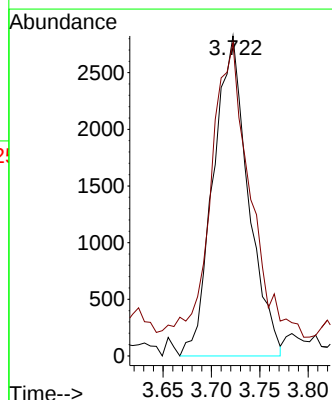
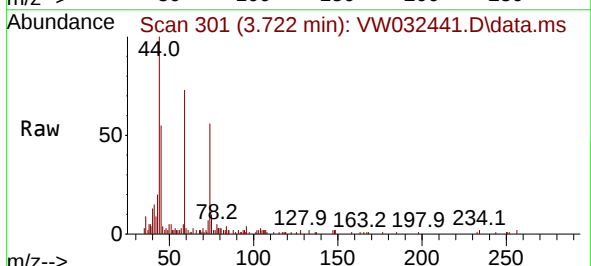
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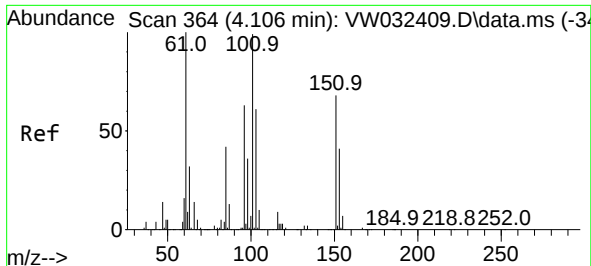
Tgt Ion:101 Resp: 6497
 Ion Ratio Lower Upper
 101 100
 103 60.6 48.0 72.0



#8
 Diethyl Ether
 Concen: 2.727 ug/l
 RT: 3.722 min Scan# 301
 Delta R.T. 0.000 min
 Lab File: VW032441.D
 Acq: 12 Nov 2025 15:58

Tgt Ion: 74 Resp: 7092
 Ion Ratio Lower Upper
 74 100
 45 101.2 51.8 155.4

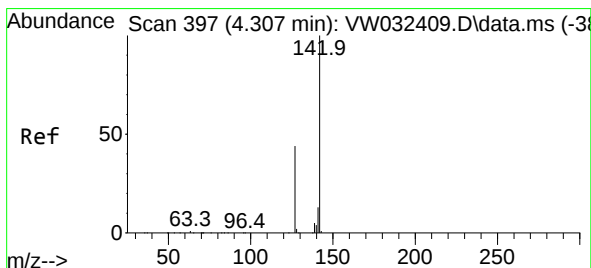
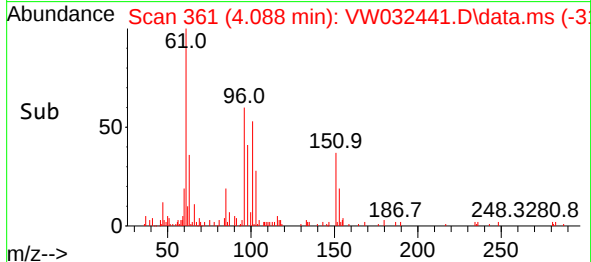
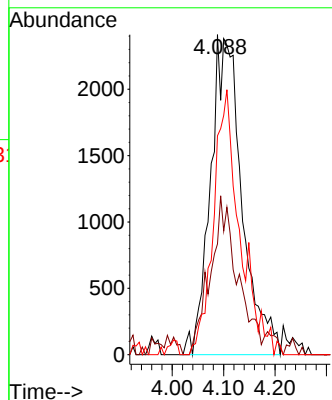
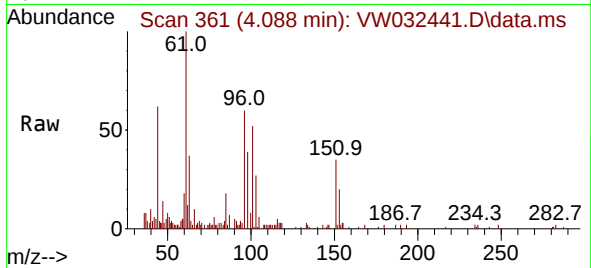




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.967 ug/l
RT: 4.088 min Scan# 301
Delta R.T. -0.018 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

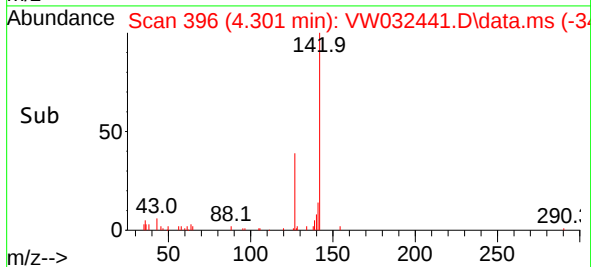
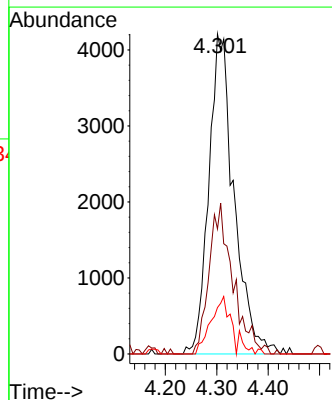
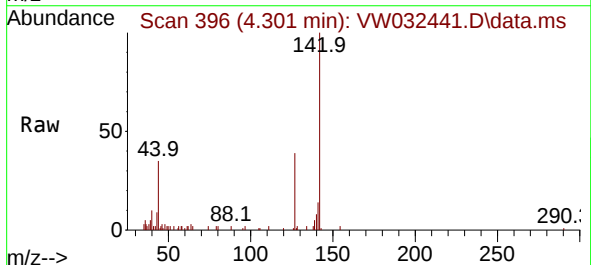
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

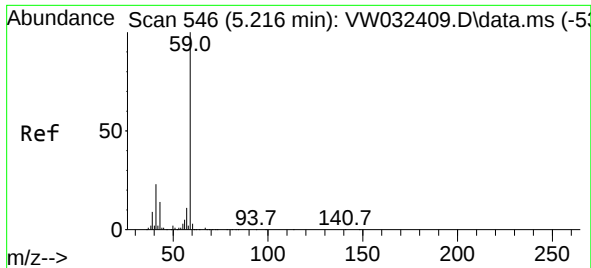
Tgt Ion:101 Resp: 10282
Ion Ratio Lower Upper
101 100
85 42.8 34.1 51.1
151 69.5 56.4 84.6



#10
Methyl Iodide
Concen: 2.567 ug/l
RT: 4.301 min Scan# 396
Delta R.T. -0.006 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

Tgt Ion:142 Resp: 14329
Ion Ratio Lower Upper
142 100
127 44.4 34.2 51.2
141 13.4 11.8 17.8

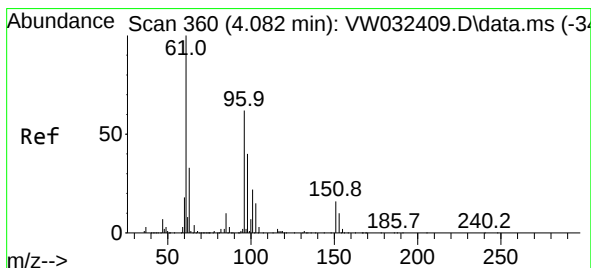
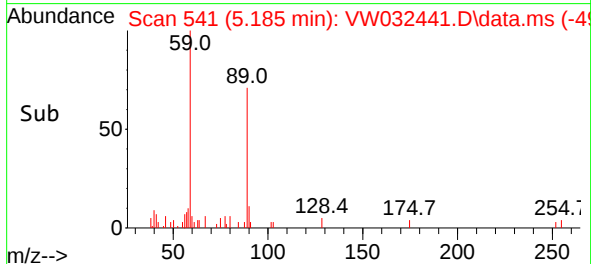
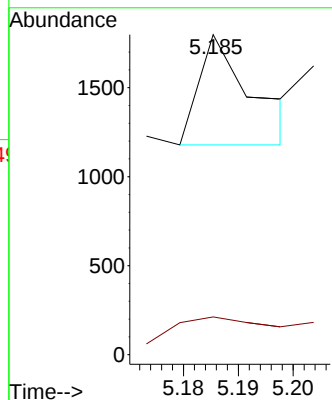
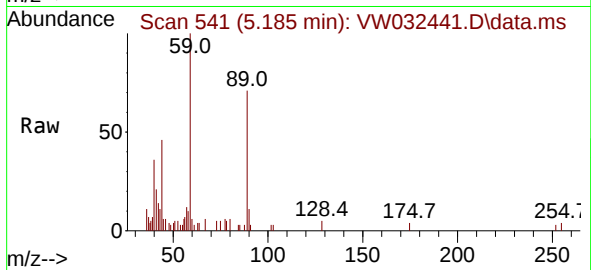




#11
Tert butyl alcohol
Concen: 1.017 ug/l
RT: 5.185 min Scan# 541
Delta R.T. -0.030 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

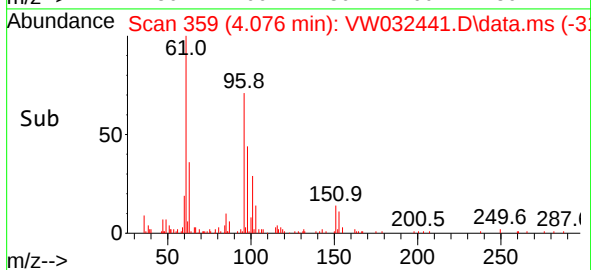
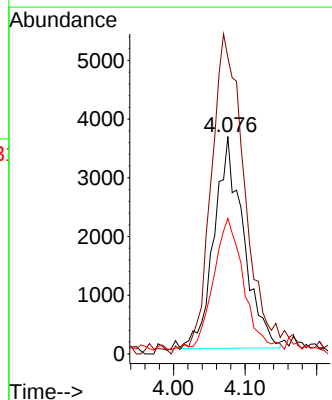
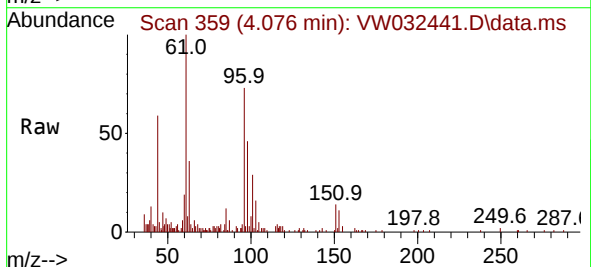
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

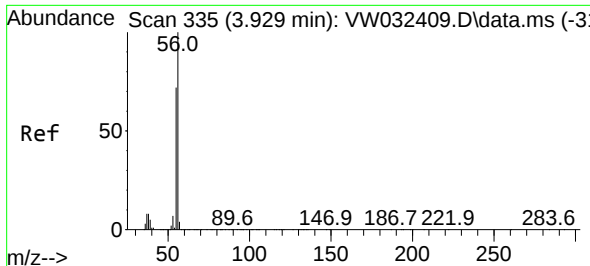
Tgt Ion: 59 Resp: 419
Ion Ratio Lower Upper
59 100
57 47.0 8.6 12.8#



#12
1,1-Dichloroethene
Concen: 2.587 ug/l
RT: 4.076 min Scan# 359
Delta R.T. -0.006 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

Tgt Ion: 96 Resp: 10280
Ion Ratio Lower Upper
96 100
61 138.3 129.0 193.6
98 61.2 51.1 76.7





#13

Acrolein

Concen: 8.963 ug/l

RT: 3.923 min Scan# 31

Delta R.T. -0.006 min

Lab File: VW032441.D

Acq: 12 Nov 2025 15:58

Instrument :

MSVOA_W

ClientSampleId :

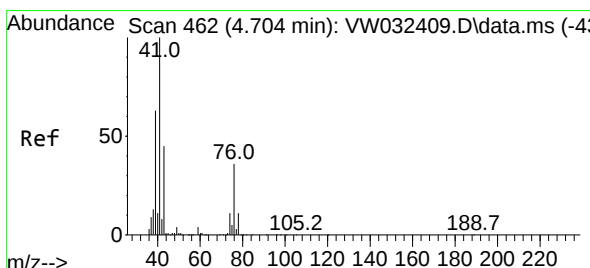
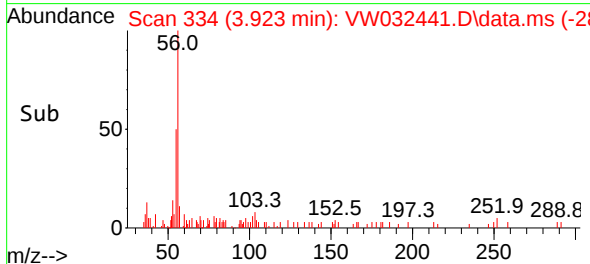
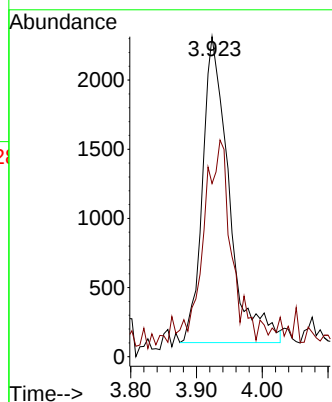
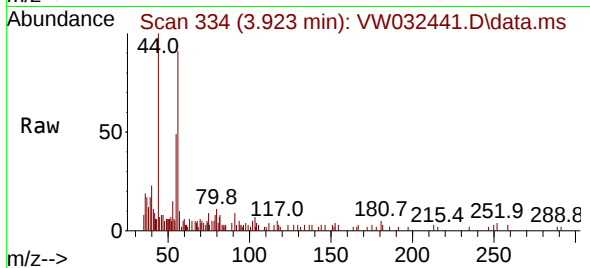
MDL-SOIL-03-QT4-2025

Tgt Ion: 56 Resp: 6197

Ion Ratio Lower Upper

56 100

55 67.5 56.3 84.5



#14

Allyl chloride

Concen: 2.279 ug/l

RT: 4.704 min Scan# 462

Delta R.T. 0.000 min

Lab File: VW032441.D

Acq: 12 Nov 2025 15:58

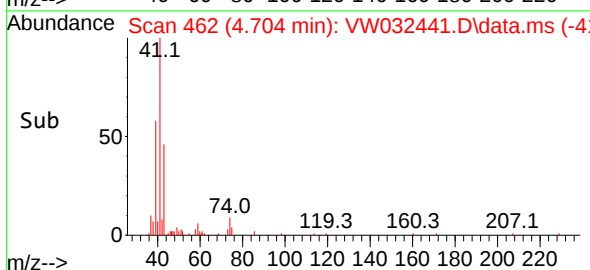
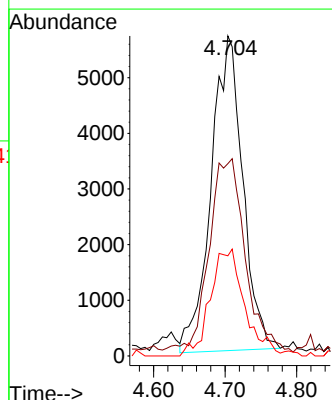
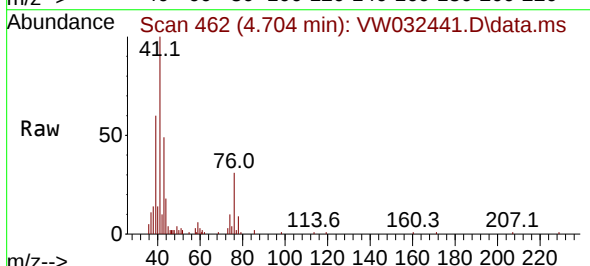
Tgt Ion: 41 Resp: 17414

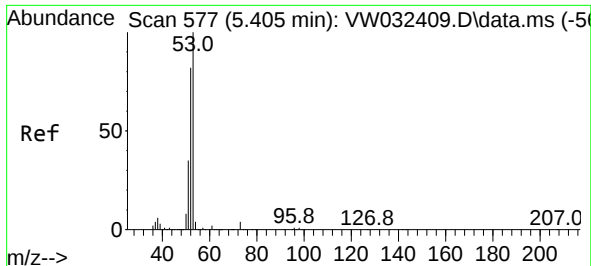
Ion Ratio Lower Upper

41 100

39 70.0 50.2 75.2

76 36.6 27.0 40.6

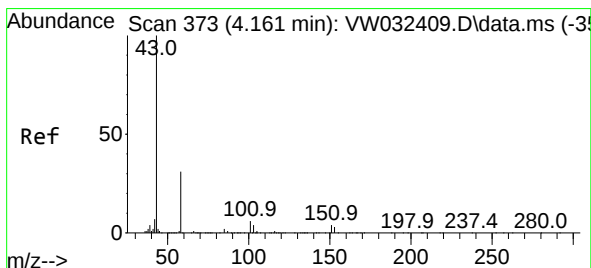
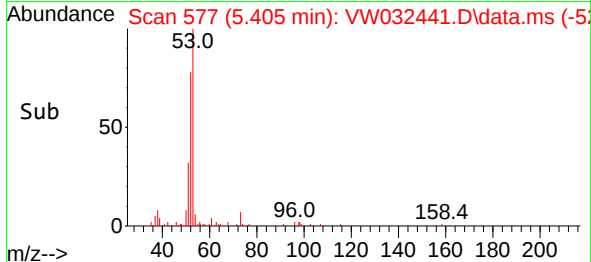
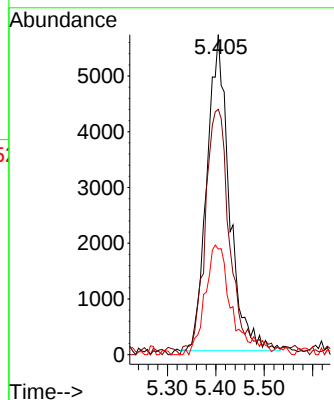
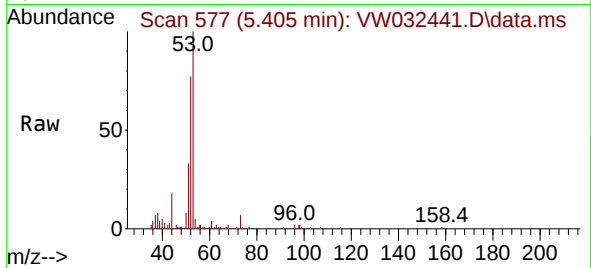




#15
Acrylonitrile
Concen: 12.190 ug/l
RT: 5.405 min Scan# 51
Delta R.T. 0.000 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

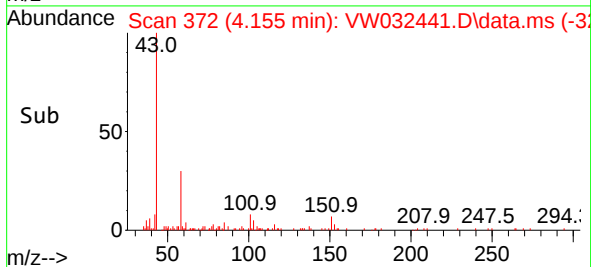
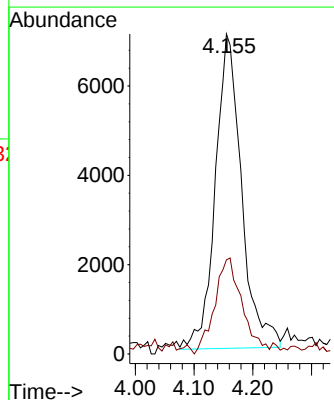
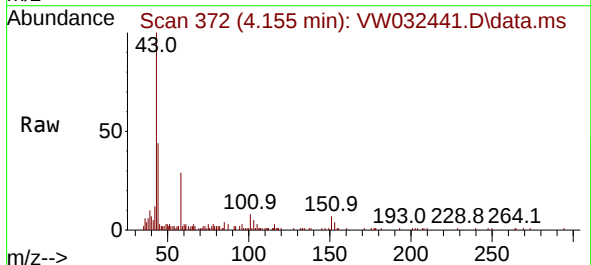
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

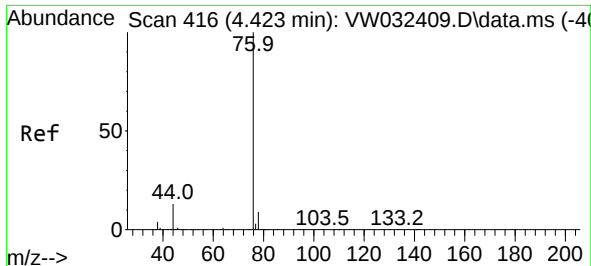
Tgt Ion:	53	Resp:	18330
Ion	Ratio	Lower	Upper
53	100		
52	84.6	66.4	99.6
51	38.3	28.6	43.0



#16
Acetone
Concen: 15.333 ug/l
RT: 4.155 min Scan# 372
Delta R.T. -0.006 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

Tgt Ion:	43	Resp:	21863
Ion	Ratio	Lower	Upper
43	100		
58	28.8	24.8	37.2

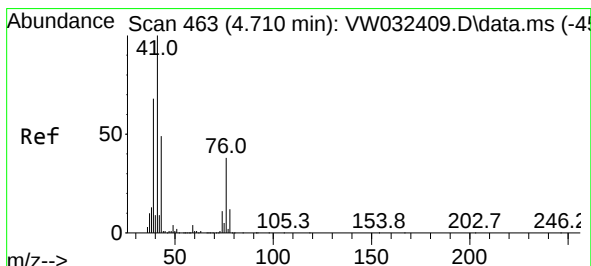
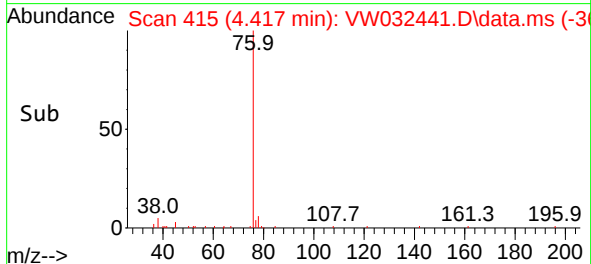
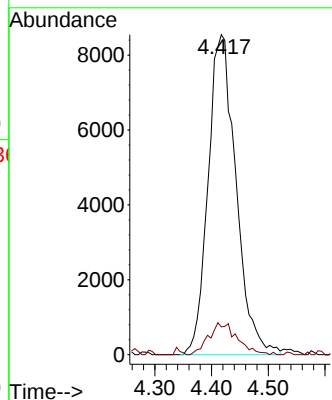
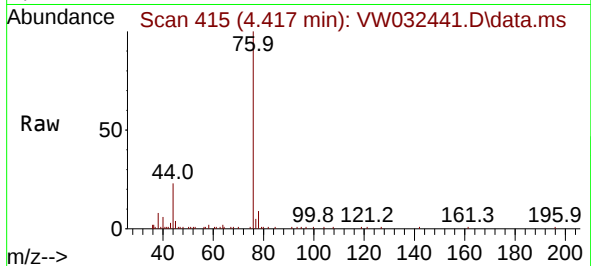




#17
Carbon Disulfide
Concen: 2.487 ug/l
RT: 4.417 min Scan# 415
Delta R.T. -0.006 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

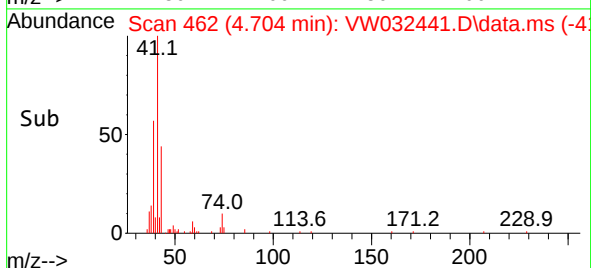
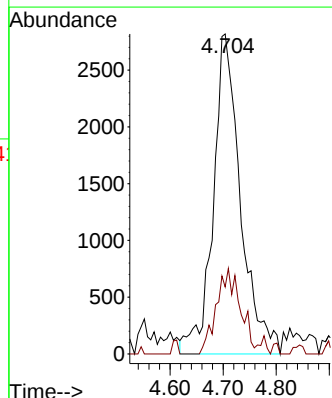
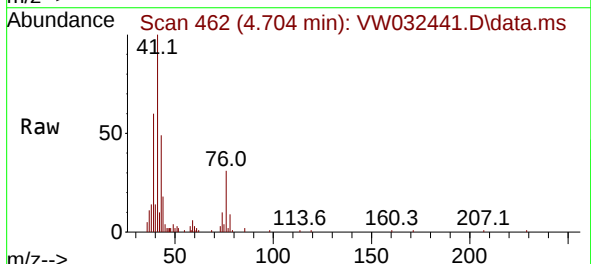
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

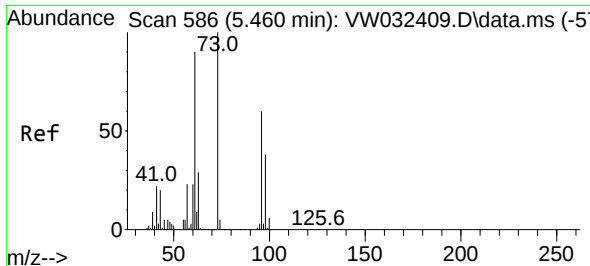
Tgt Ion: 76 Resp: 29212
Ion Ratio Lower Upper
76 100
78 8.7 7.6 11.4



#18
Methyl Acetate
Concen: 2.856 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

Tgt Ion: 43 Resp: 10083
Ion Ratio Lower Upper
43 100
74 23.1 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 2.364 ug/l

RT: 5.454 min Scan# 51

Delta R.T. -0.006 min

Lab File: VW032441.D

Acq: 12 Nov 2025 15:58

Instrument :

MSVOA_W

ClientSampleId :

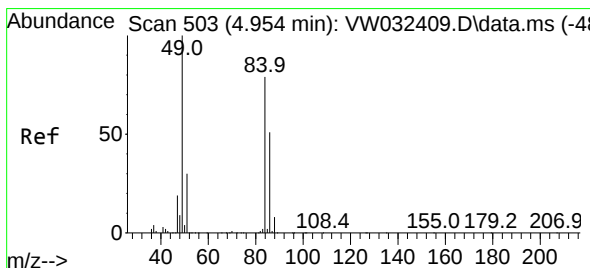
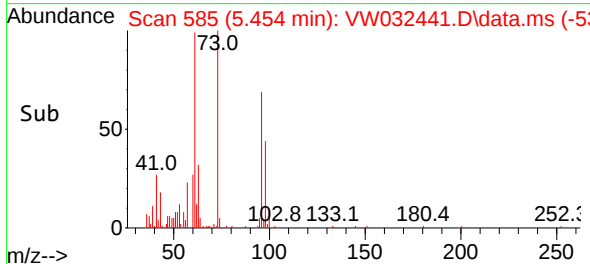
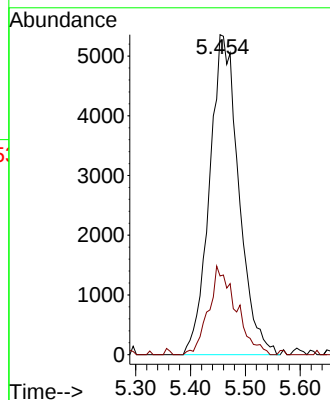
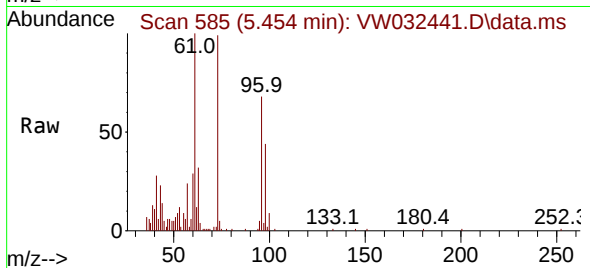
MDL-SOIL-03-QT4-2025

Tgt Ion: 73 Resp: 19800

Ion Ratio Lower Upper

73 100

57 24.6 18.3 27.5



#20

Methylene Chloride

Concen: 5.078 ug/l

RT: 4.954 min Scan# 503

Delta R.T. 0.000 min

Lab File: VW032441.D

Acq: 12 Nov 2025 15:58

Tgt Ion: 84 Resp: 25894

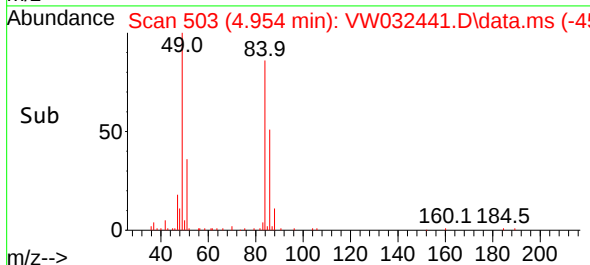
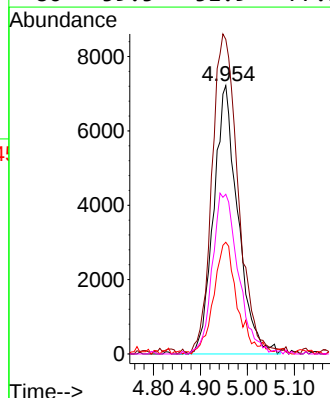
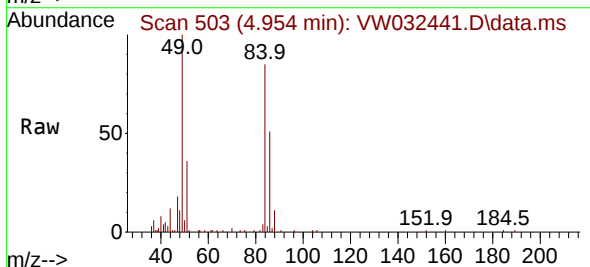
Ion Ratio Lower Upper

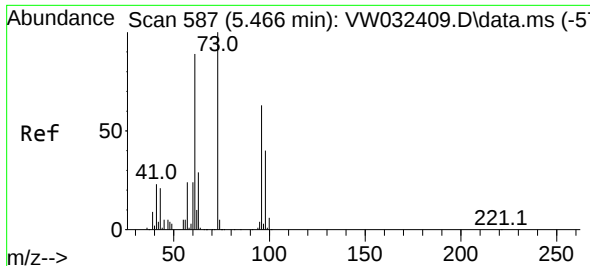
84 100

49 116.5 101.5 152.3

51 40.5 30.6 46.0

86 59.5 51.9 77.9

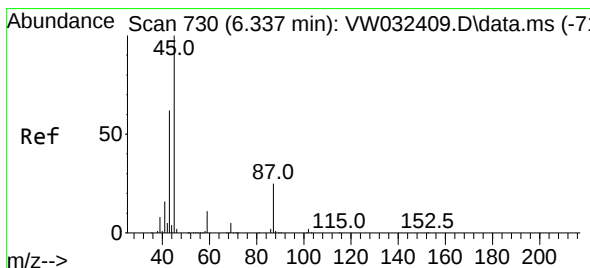
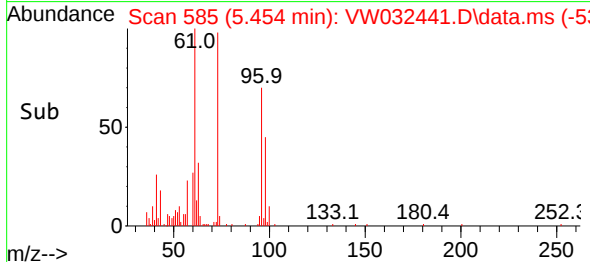
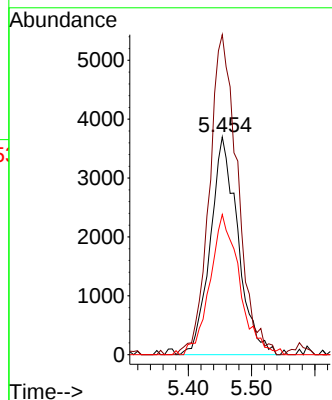
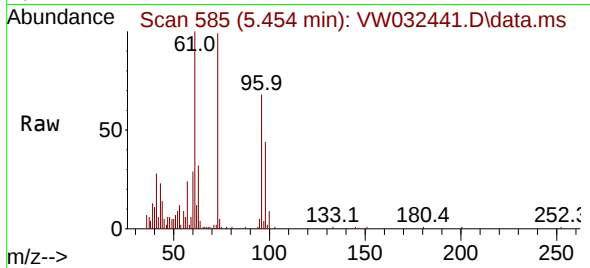




#21
trans-1,2-Dichloroethene
Concen: 2.467 ug/l
RT: 5.454 min Scan# 511
Delta R.T. -0.012 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

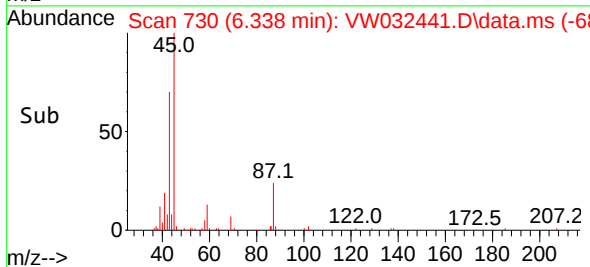
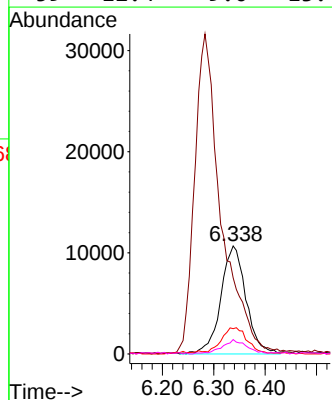
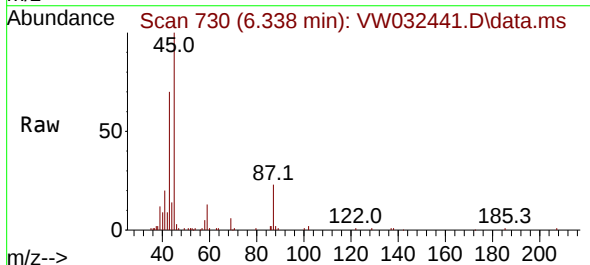
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-03-QT4-2025

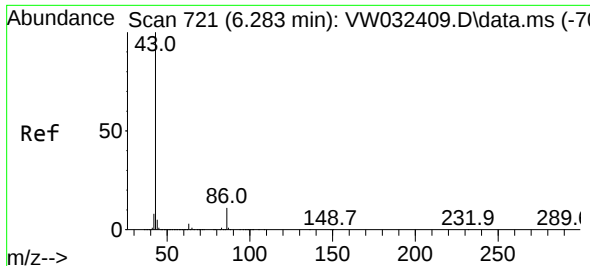
Tgt Ion: 96 Resp: 11207
Ion Ratio Lower Upper
96 100
61 146.9 112.5 168.7
98 64.4 51.1 76.7



#22
Diisopropyl ether
Concen: 2.336 ug/l
RT: 6.338 min Scan# 730
Delta R.T. 0.000 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

Tgt Ion: 45 Resp: 36340
Ion Ratio Lower Upper
45 100
43 67.8 49.4 74.2
87 22.8 20.1 30.1
59 12.4 9.0 13.4

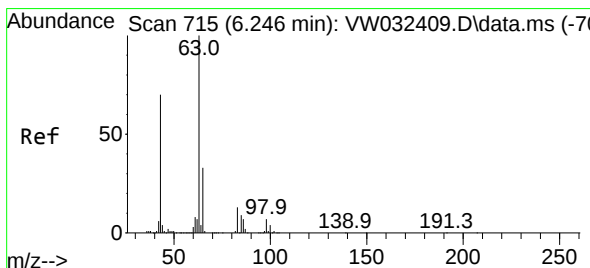
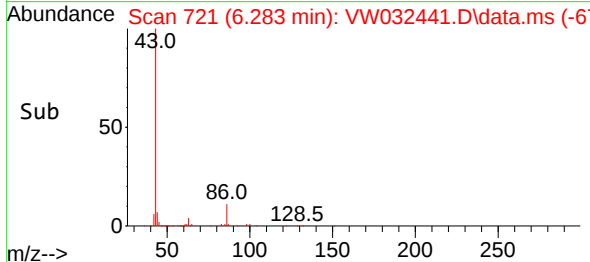
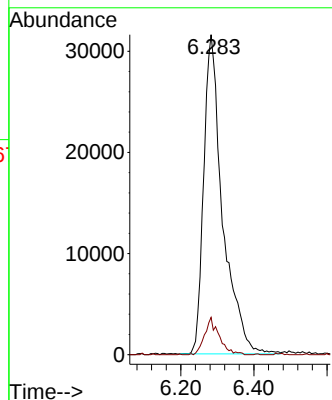
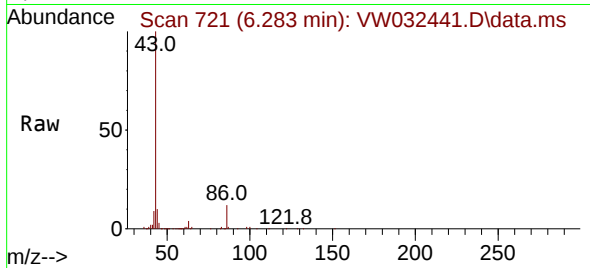




#23
 Vinyl Acetate
 Concen: 10.641 ug/l
 RT: 6.283 min Scan# 713
 Delta R.T. 0.000 min
 Lab File: VW032441.D
 Acq: 12 Nov 2025 15:58

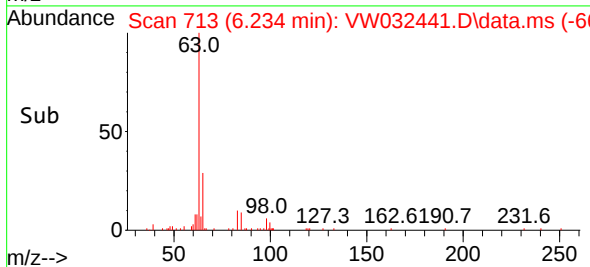
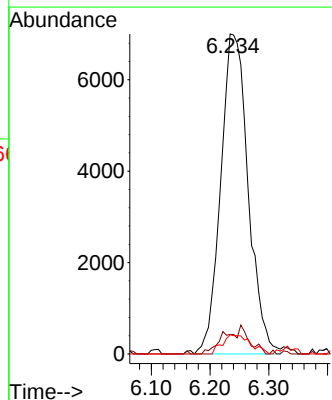
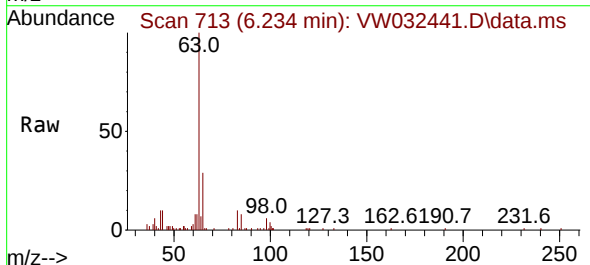
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-03-QT4-2025

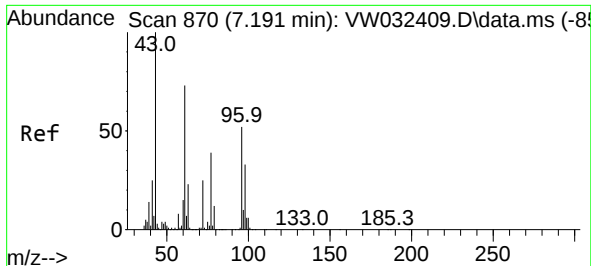
Tgt Ion: 43 Resp: 113426
 Ion Ratio Lower Upper
 43 100
 86 11.5 8.6 12.8



#24
 1,1-Dichloroethane
 Concen: 2.676 ug/l
 RT: 6.234 min Scan# 713
 Delta R.T. -0.012 min
 Lab File: VW032441.D
 Acq: 12 Nov 2025 15:58

Tgt Ion: 63 Resp: 22806
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.6 10.8
 100 6.0 2.3 6.8

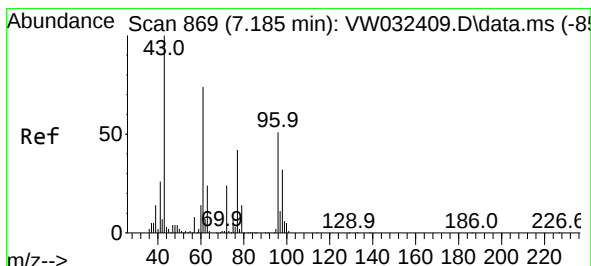
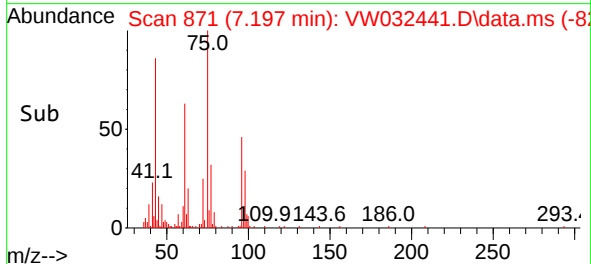
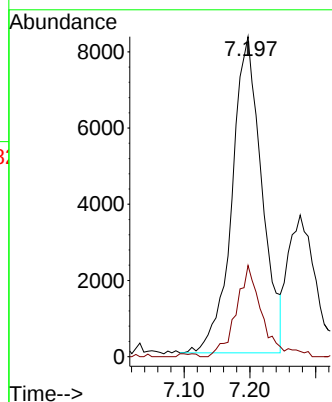
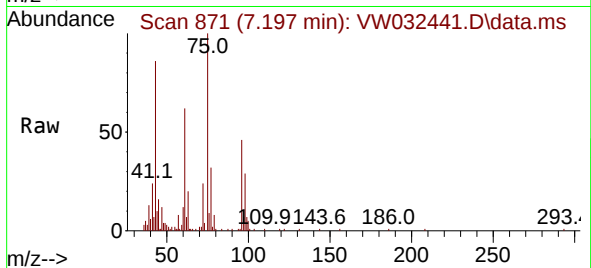




#25
2-Butanone
Concen: 12.465 ug/l
RT: 7.197 min Scan# 81
Delta R.T. 0.006 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

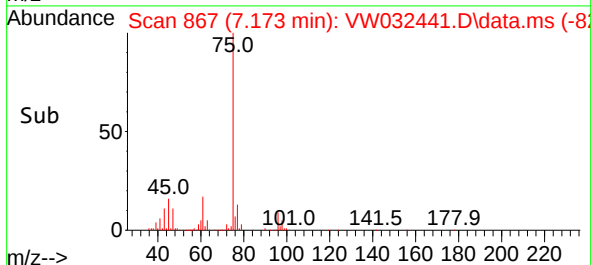
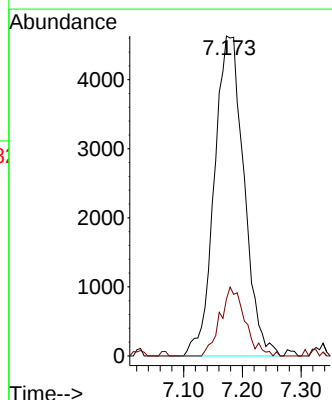
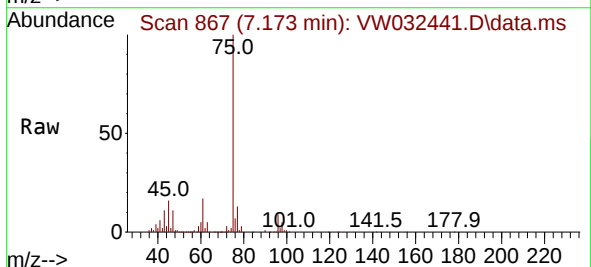
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

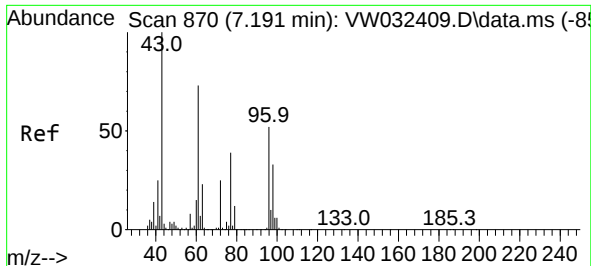
Tgt Ion: 43 Resp: 26184
Ion Ratio Lower Upper
43 100
72 27.9 20.0 30.0



#26
2,2-Dichloropropane
Concen: 3.421 ug/l
RT: 7.173 min Scan# 867
Delta R.T. -0.012 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

Tgt Ion: 77 Resp: 16249
Ion Ratio Lower Upper
77 100
97 18.0 12.3 36.8





#27

cis-1,2-Dichloroethene

Concen: 2.529 ug/l

RT: 7.185 min Scan# 8

Delta R.T. -0.006 min

Lab File: VW032441.D

Acq: 12 Nov 2025 15:58

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-03-QT4-2025

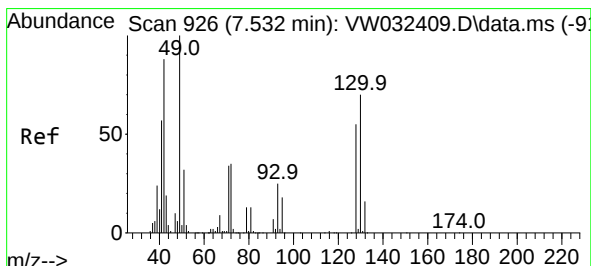
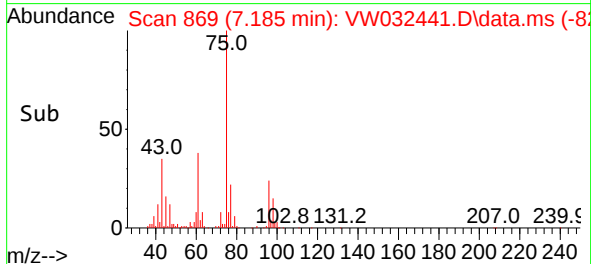
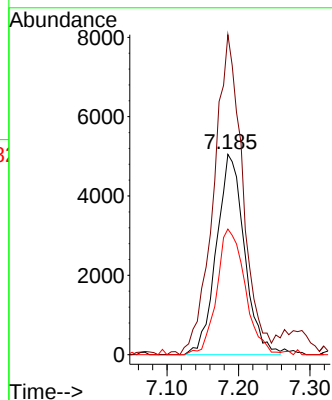
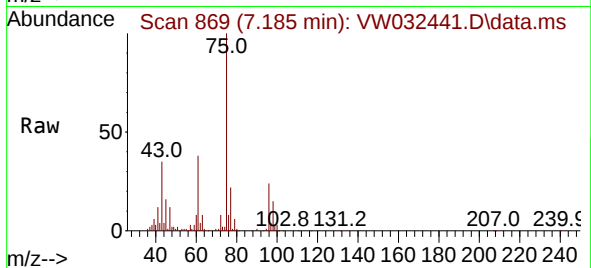
Tgt Ion: 96 Resp: 13728

Ion Ratio Lower Upper

96 100

61 166.3 0.0 282.6

98 63.6 0.0 128.6



#28

Bromochloromethane

Concen: 2.732 ug/l

RT: 7.526 min Scan# 925

Delta R.T. -0.006 min

Lab File: VW032441.D

Acq: 12 Nov 2025 15:58

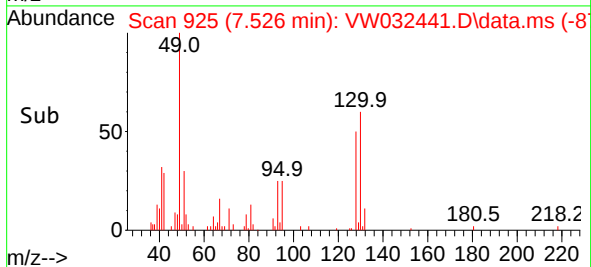
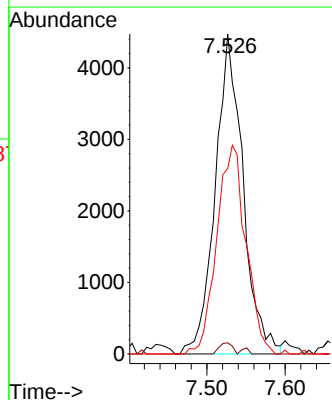
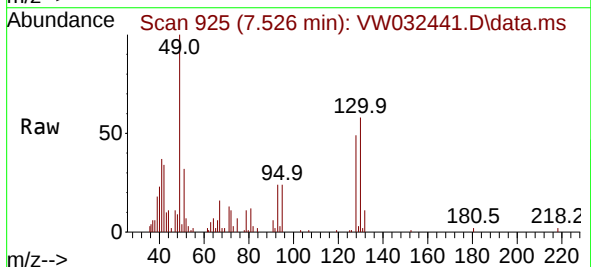
Tgt Ion: 49 Resp: 11006

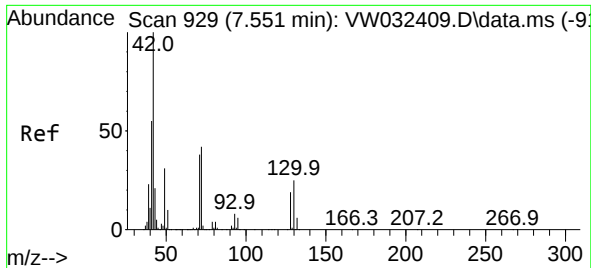
Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.8

130 68.6 56.9 85.3

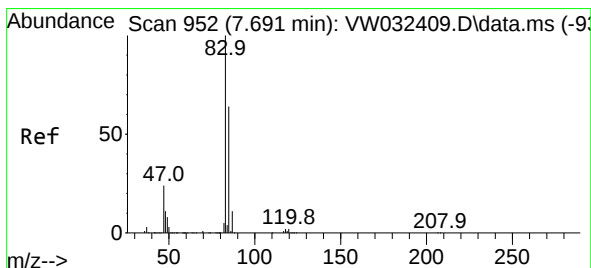
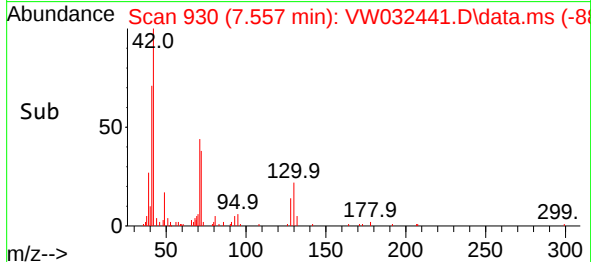
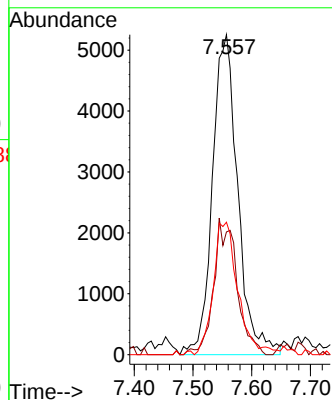
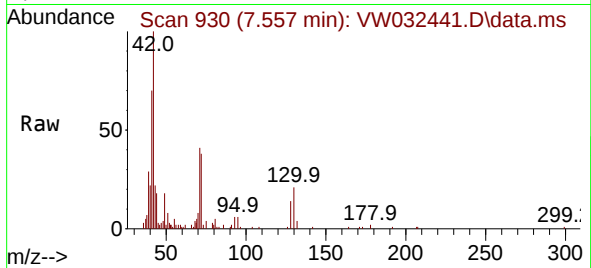




#29
Tetrahydrofuran
Concen: 11.805 ug/l
RT: 7.557 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

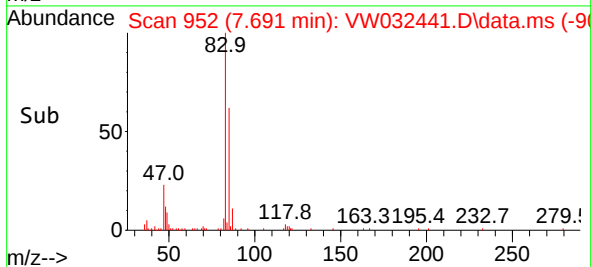
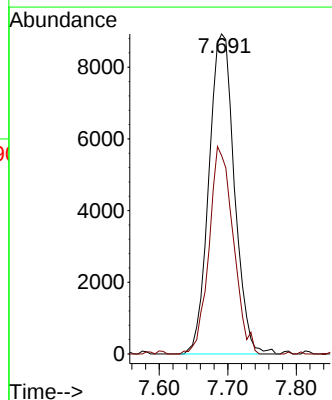
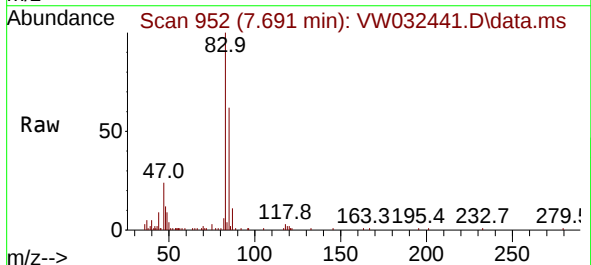
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

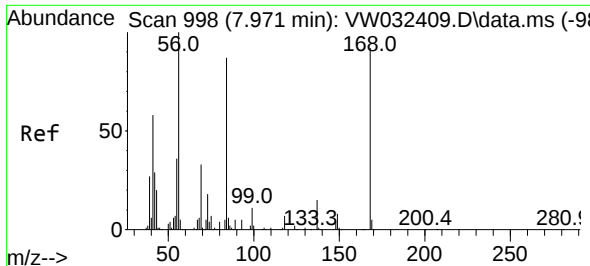
Tgt Ion: 42	Resp: 15739
Ion Ratio	Lower Upper
42 100	
72 39.1	33.6 50.4
71 40.5	31.4 47.0



#30
Chloroform
Concen: 2.764 ug/l
RT: 7.691 min Scan# 952
Delta R.T. 0.000 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

Tgt Ion: 83	Resp: 23065
Ion Ratio	Lower Upper
83 100	
85 61.9	51.0 76.4

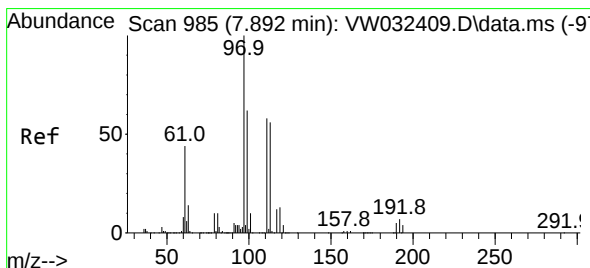
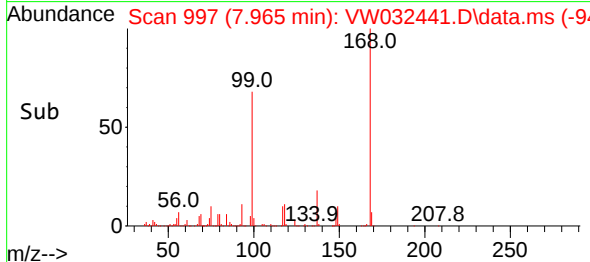
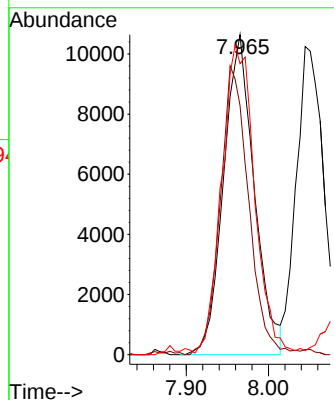
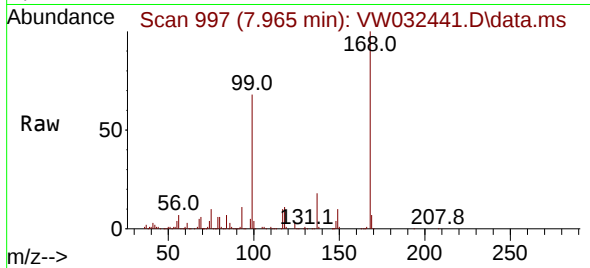




#31
Cyclohexane
Concen: 3.489 ug/l
RT: 7.965 min Scan# 998
Delta R.T. -0.006 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

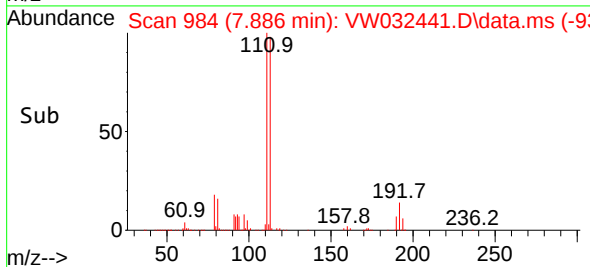
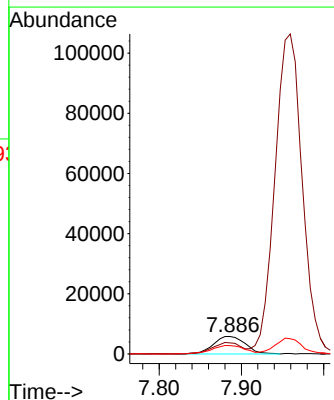
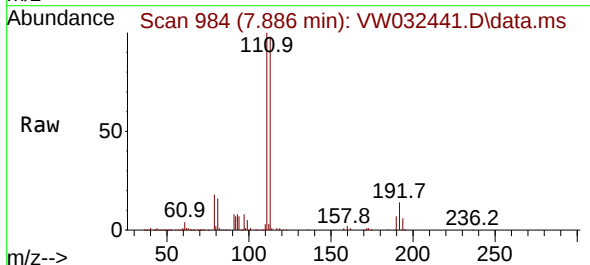
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

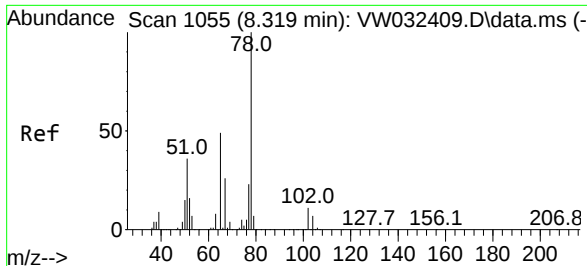
Tgt Ion: 56 Resp: 27508
Ion Ratio Lower Upper
56 100
69 77.7 26.5 39.7#
84 90.5 69.6 104.4



#32
1,1,1-Trichloroethane
Concen: 2.639 ug/l
RT: 7.886 min Scan# 984
Delta R.T. -0.006 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

Tgt Ion: 97 Resp: 15733
Ion Ratio Lower Upper
97 100
99 57.1 51.8 77.8
61 49.8 35.5 53.3

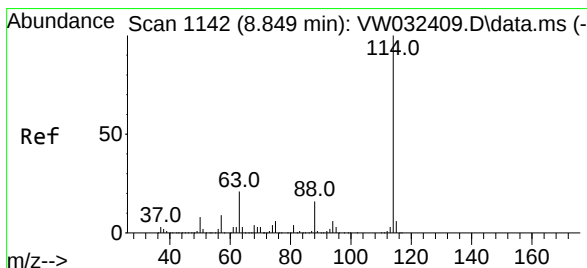
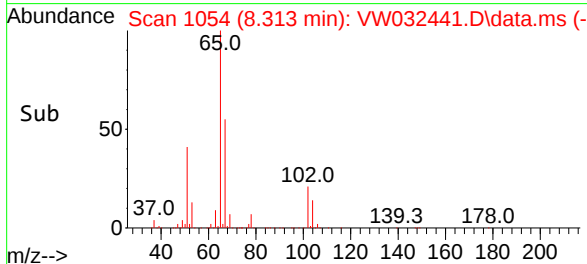
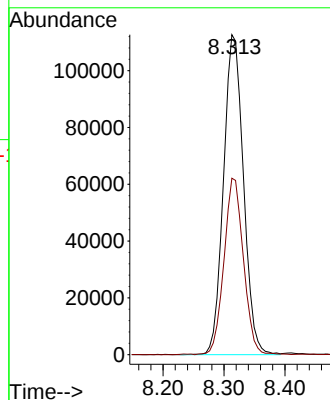
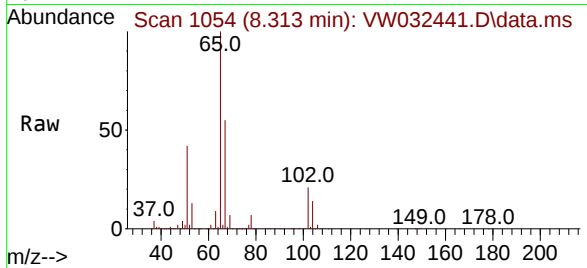




#33
 1,2-Dichloroethane-d4
 Concen: 53.747 ug/l
 RT: 8.313 min Scan# 1055
 Delta R.T. -0.006 min
 Lab File: VW032441.D
 Acq: 12 Nov 2025 15:58

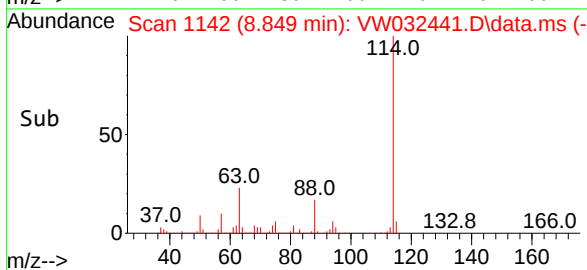
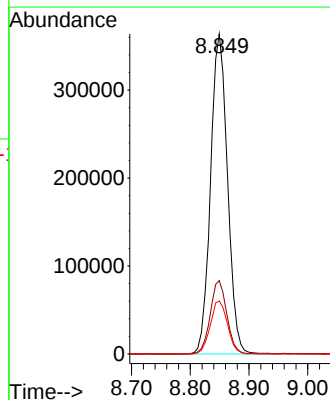
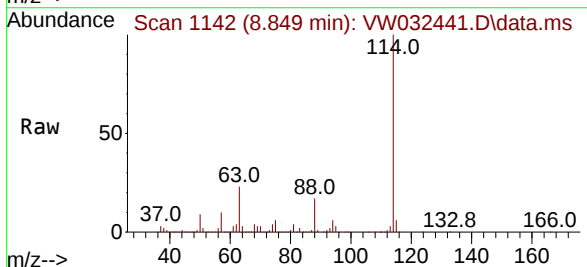
Instrument : MSVOA_W
 ClientSampleId : MDL-SOIL-03-QT4-2025

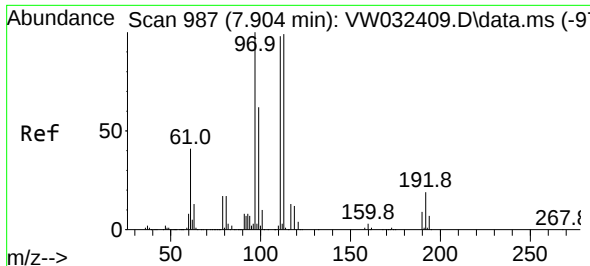
Tgt Ion: 65 Resp: 256154
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW032441.D
 Acq: 12 Nov 2025 15:58

Tgt Ion: 114 Resp: 728216
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 41.8
 88 16.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.197 ug/l

RT: 7.892 min Scan# 91

Delta R.T. -0.012 min

Lab File: VW032441.D

Acq: 12 Nov 2025 15:58

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-03-QT4-2025

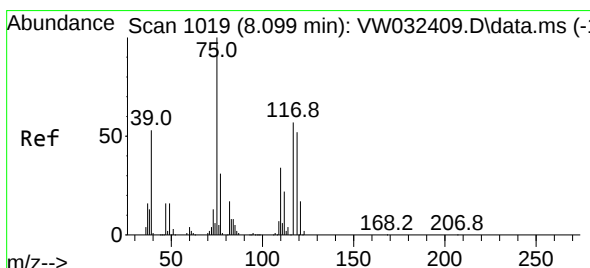
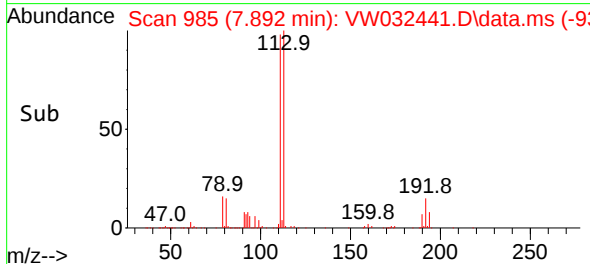
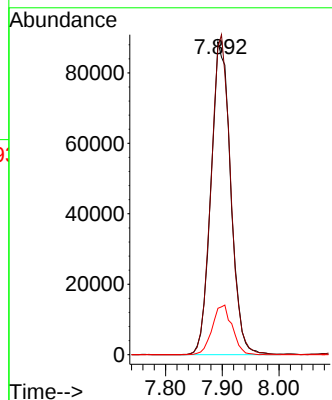
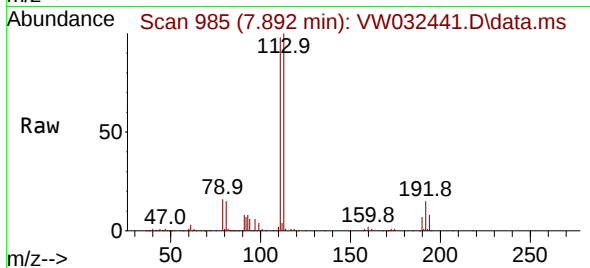
Tgt Ion:113 Resp: 214498

Ion Ratio Lower Upper

113 100

111 101.0 83.1 124.7

192 16.0 13.4 20.2



#36

1,1-Dichloropropene

Concen: 2.482 ug/l

RT: 8.093 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VW032441.D

Acq: 12 Nov 2025 15:58

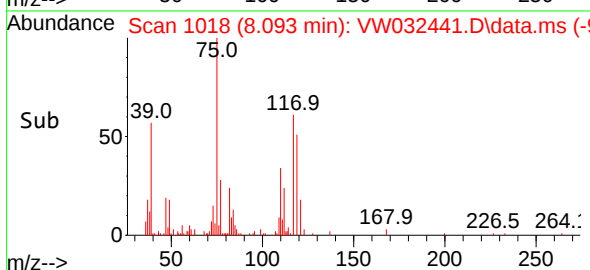
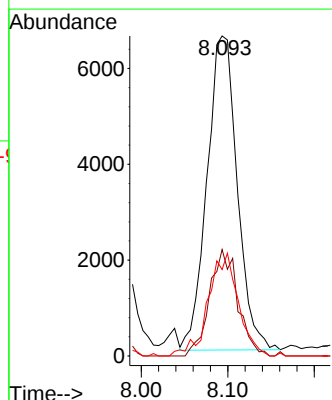
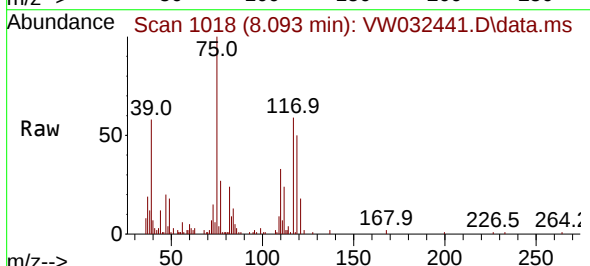
Tgt Ion: 75 Resp: 15947

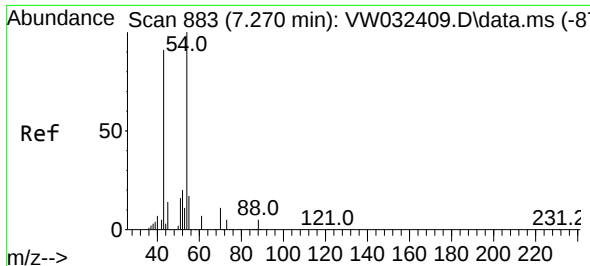
Ion Ratio Lower Upper

75 100

110 31.5 17.2 51.5

77 32.2 24.5 36.7

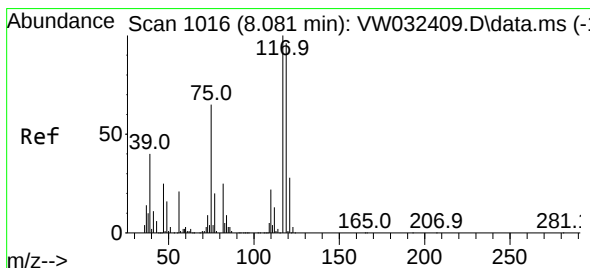
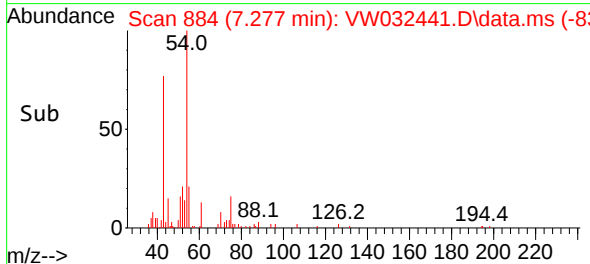
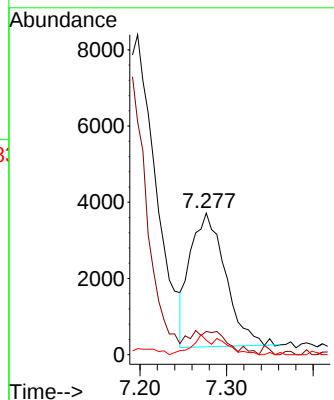
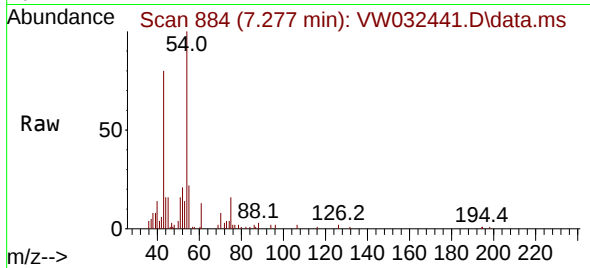




#37
Ethyl Acetate
Concen: 2.072 ug/l
RT: 7.277 min Scan# 883
Delta R.T. 0.006 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

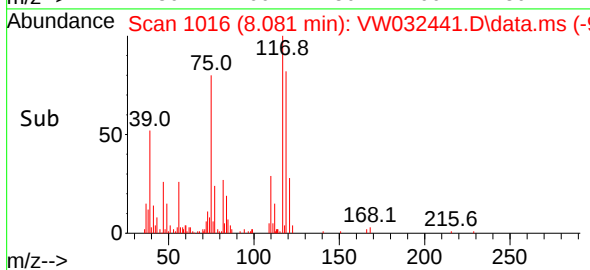
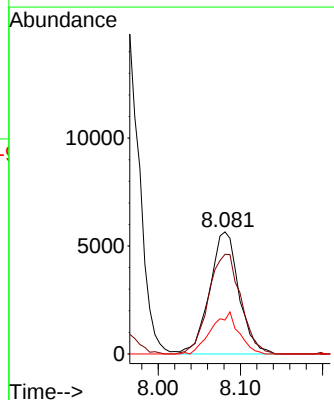
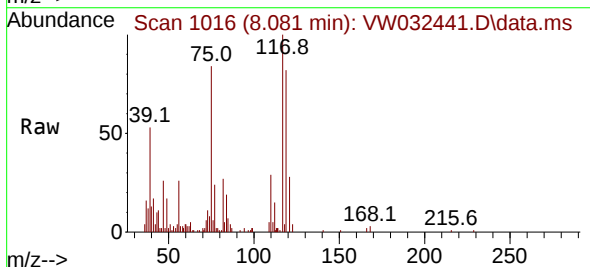
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

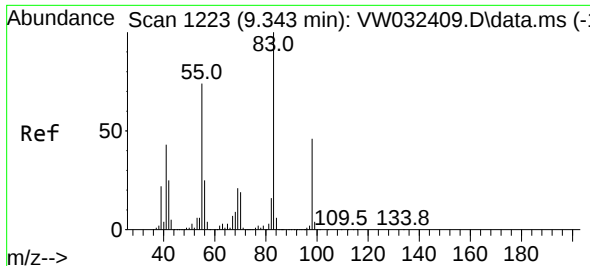
Tgt Ion: 43 Resp: 9896
Ion Ratio Lower Upper
43 100
61 15.5 11.0 16.6
70 7.2 8.3 12.5#



#38
Carbon Tetrachloride
Concen: 2.454 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. 0.000 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

Tgt Ion: 117 Resp: 14007
Ion Ratio Lower Upper
117 100
119 81.7 77.0 115.4
121 27.7 22.0 33.0





#39

Methylcyclohexane

Concen: 2.312 ug/l

RT: 9.337 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW032441.D

Acq: 12 Nov 2025 15:58

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-03-QT4-2025

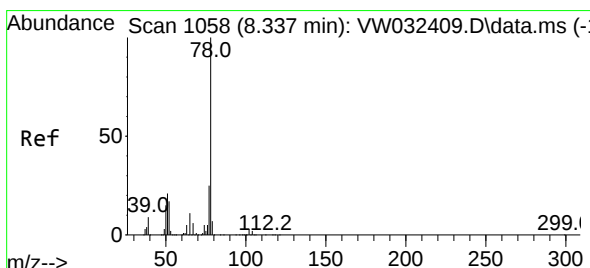
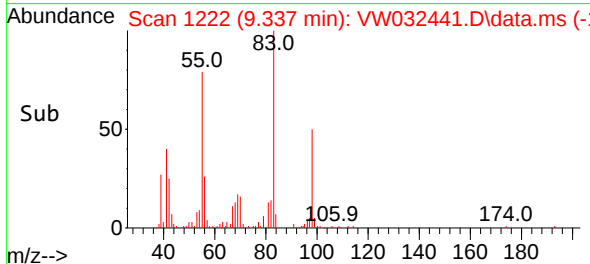
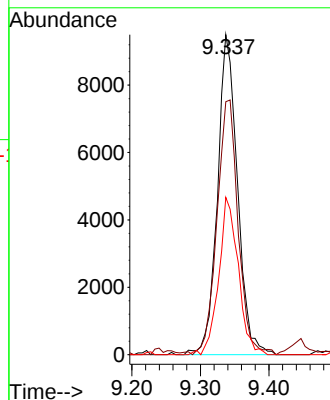
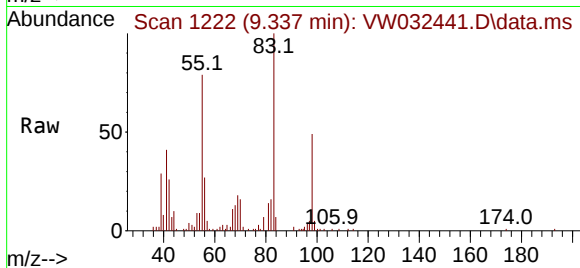
Tgt Ion: 83 Resp: 19237

Ion Ratio Lower Upper

83 100

55 78.5 59.2 88.8

98 49.1 36.6 54.8



#40

Benzene

Concen: 2.450 ug/l

RT: 8.331 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VW032441.D

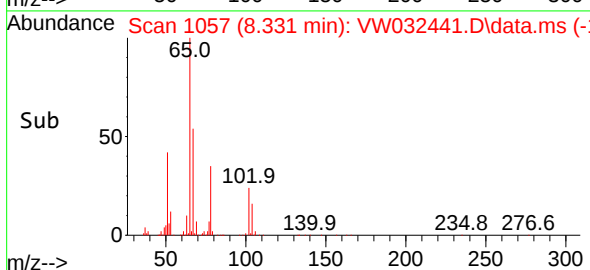
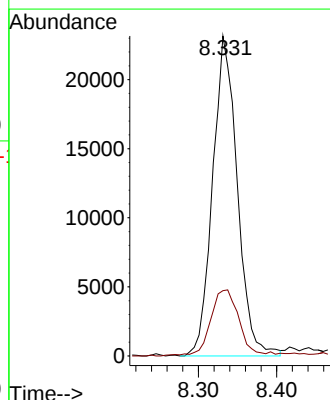
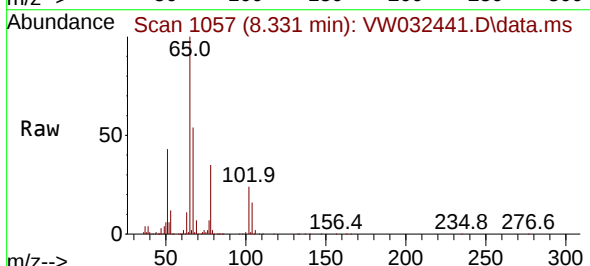
Acq: 12 Nov 2025 15:58

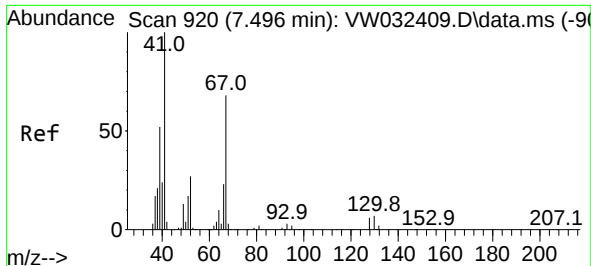
Tgt Ion: 78 Resp: 50683

Ion Ratio Lower Upper

78 100

77 20.0 19.6 29.4

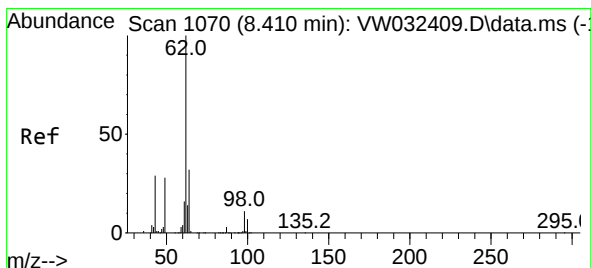
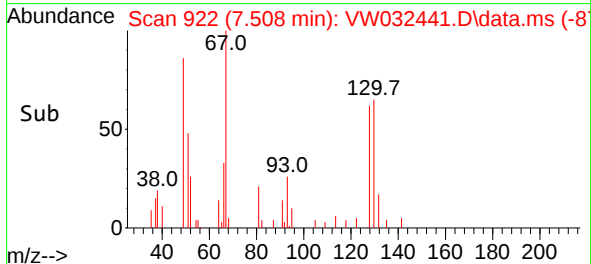
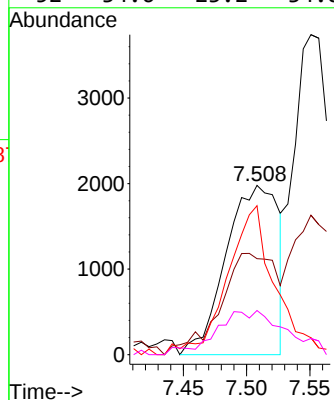
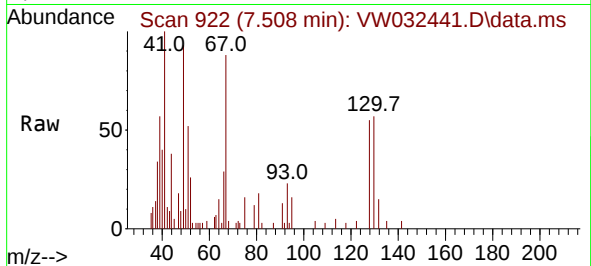




#41
Methacrylonitrile
Concen: 2.173 ug/l
RT: 7.508 min Scan# 912
Delta R.T. 0.012 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

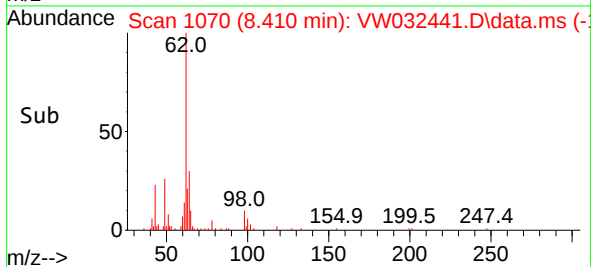
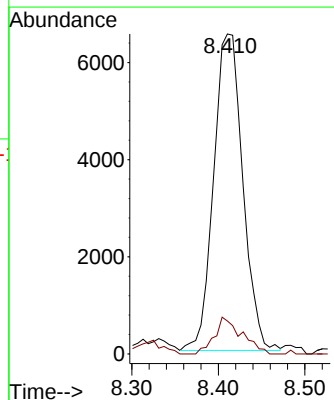
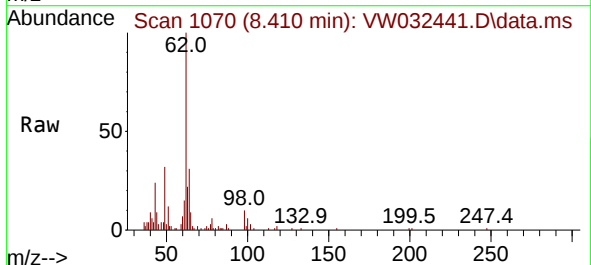
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

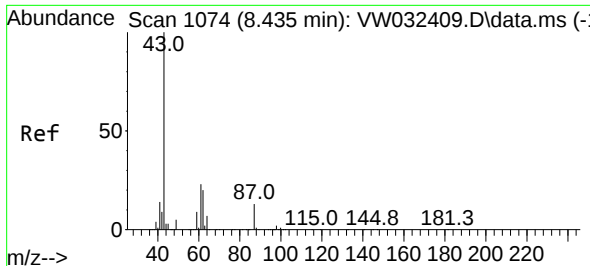
Tgt Ion:	41	Resp:	5702
Ion	Ratio	Lower	Upper
41	100		
39	63.5	44.6	66.8
67	79.8	57.6	86.4
52	34.6	23.2	34.8



#42
1,2-Dichloroethane
Concen: 2.510 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

Tgt Ion:	62	Resp:	15253
Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	20.2

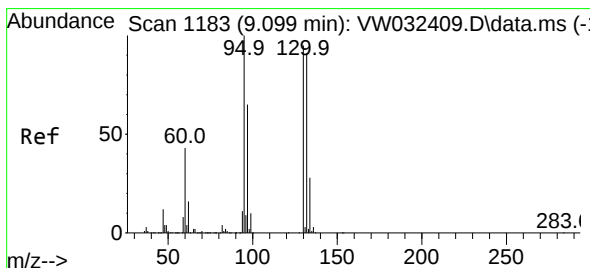
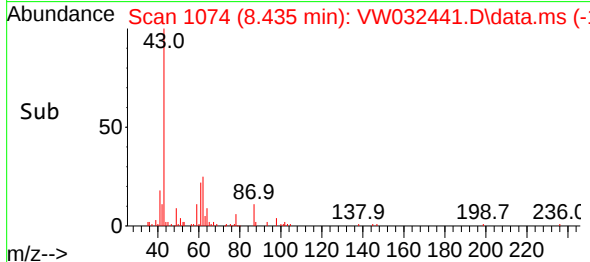
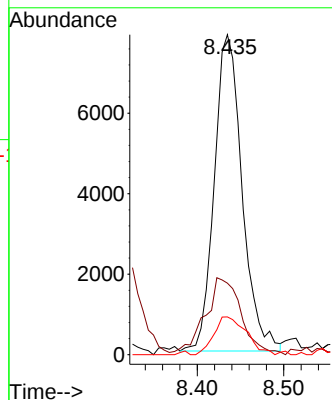
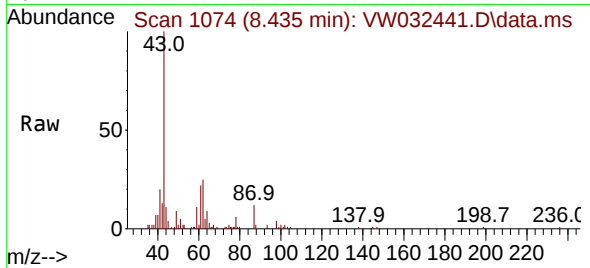




#43
Isopropyl Acetate
Concen: 2.075 ug/l
RT: 8.435 min Scan# 1107
Delta R.T. 0.000 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

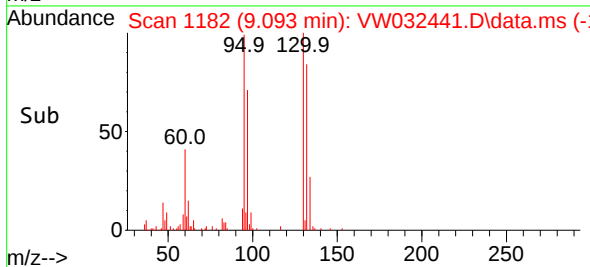
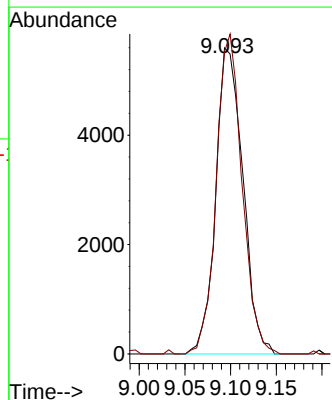
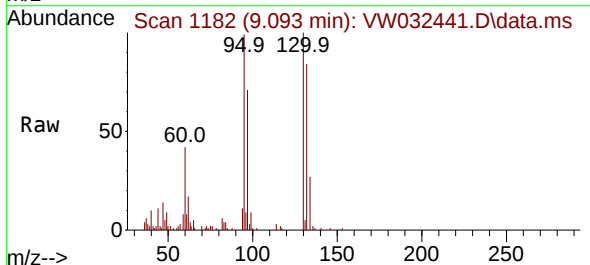
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

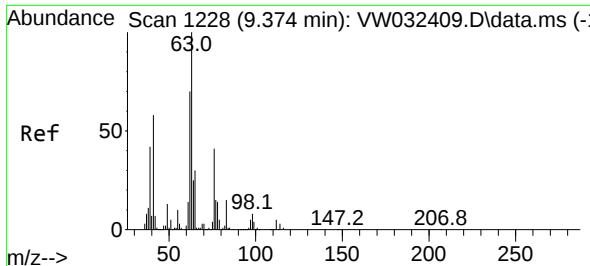
Tgt Ion:	43	Resp:	17549
Ion	Ratio	Lower	Upper
43	100		
61	31.6	22.6	33.8
87	13.9	10.6	15.8



#44
Trichloroethene
Concen: 2.402 ug/l
RT: 9.093 min Scan# 1182
Delta R.T. -0.006 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

Tgt Ion:	130	Resp:	11564
Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	209.6

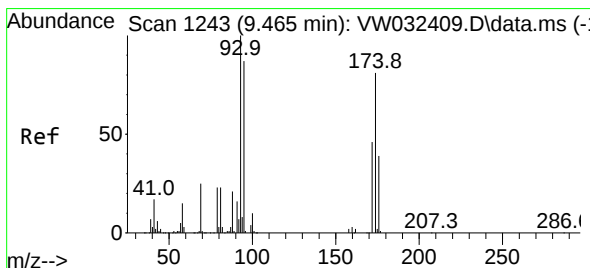
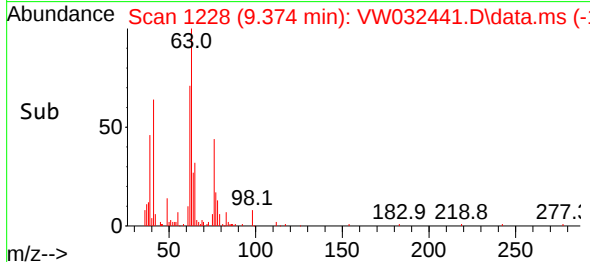
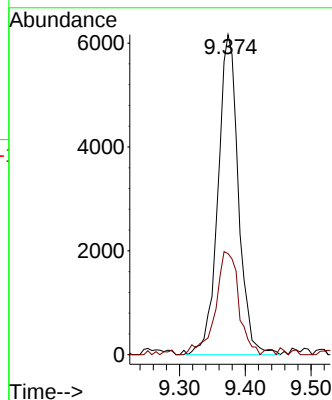
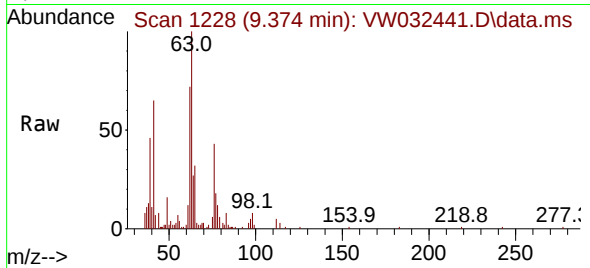




#45
1,2-Dichloropropane
Concen: 2.589 ug/l
RT: 9.374 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

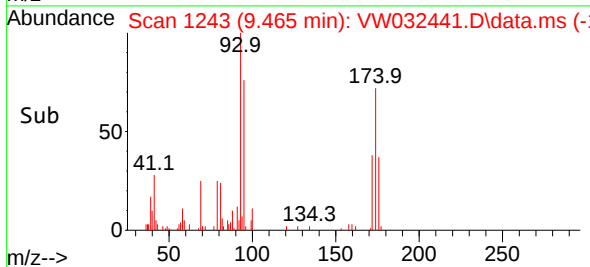
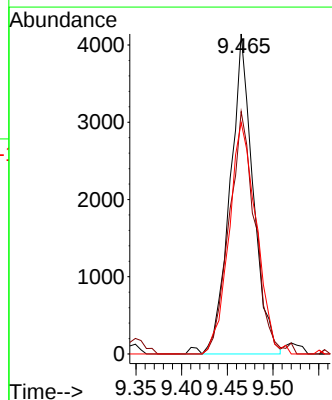
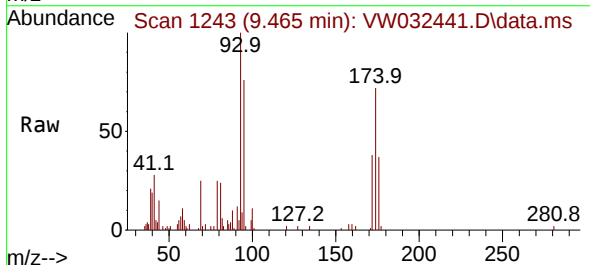
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-03-QT4-2025

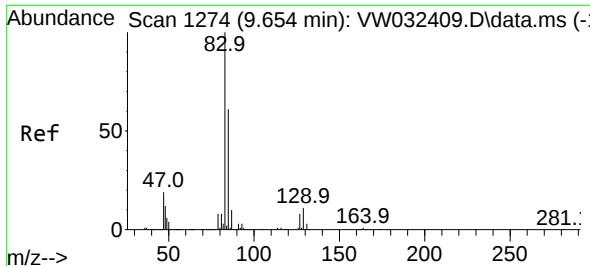
Tgt Ion: 63 Resp: 13339
Ion Ratio Lower Upper
63 100
65 31.6 24.4 36.6



#46
Dibromomethane
Concen: 2.421 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. 0.000 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

Tgt Ion: 93 Resp: 7288
Ion Ratio Lower Upper
93 100
95 85.1 67.1 100.7
174 85.5 68.2 102.4

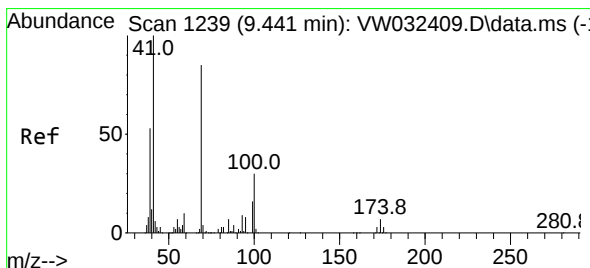
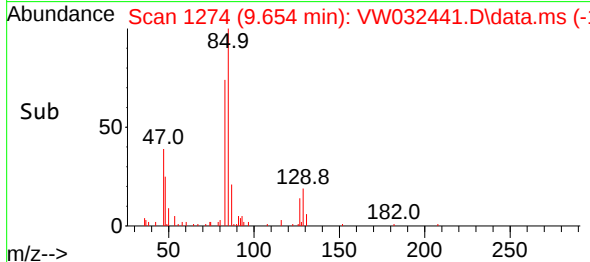
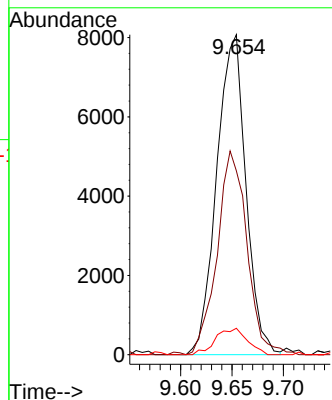
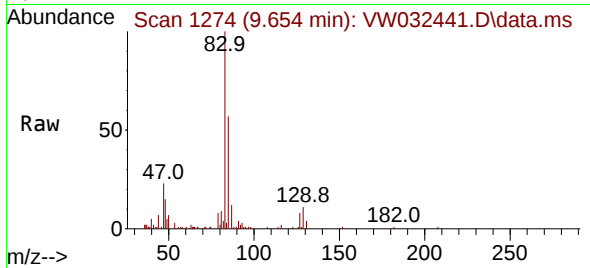




#47
Bromodichloromethane
Concen: 2.319 ug/l
RT: 9.654 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

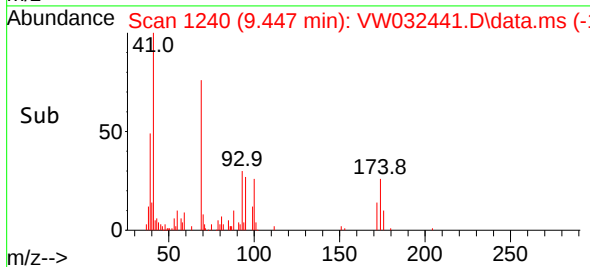
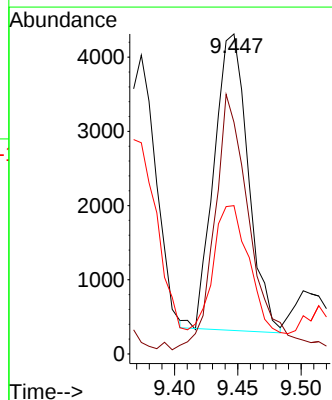
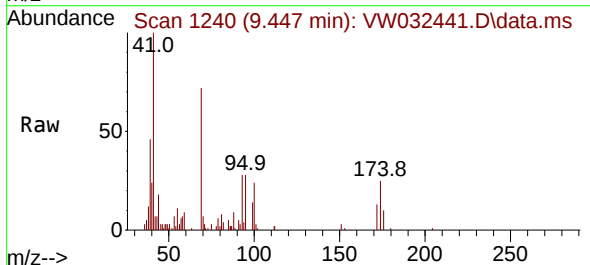
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

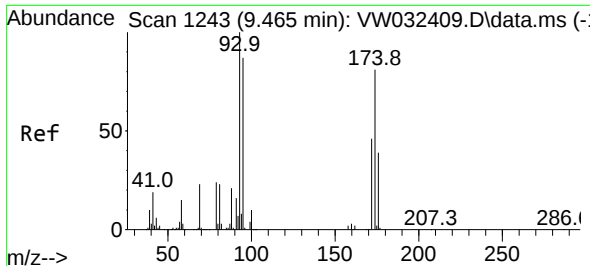
Tgt Ion: 83 Resp: 15925
Ion Ratio Lower Upper
83 100
85 56.8 48.7 73.1
127 8.3 6.3 9.5



#48
Methyl methacrylate
Concen: 1.862 ug/l
RT: 9.447 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

Tgt Ion: 41 Resp: 7484
Ion Ratio Lower Upper
41 100
69 91.5 65.8 98.6
39 49.3 38.6 57.8

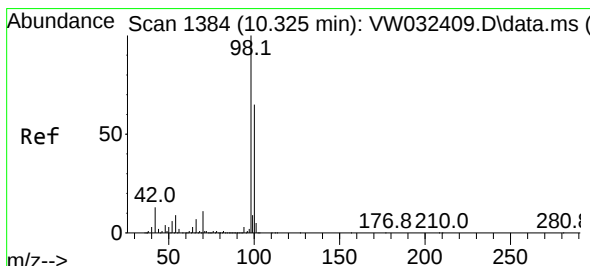
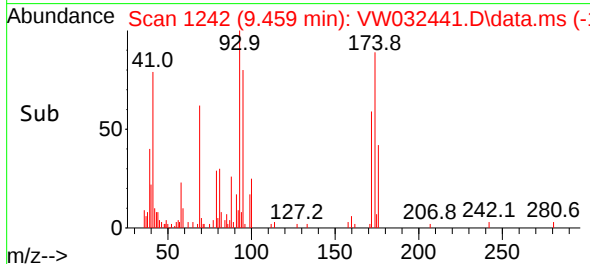
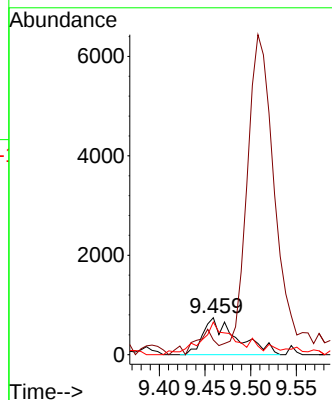
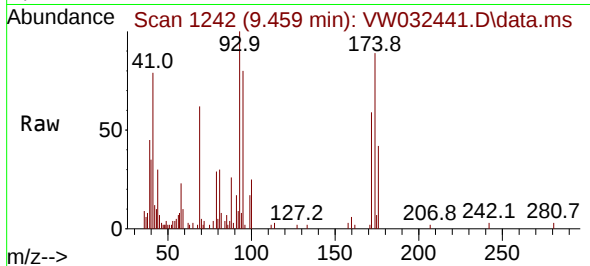




#49
1,4-Dioxane
Concen: 45.365 ug/l
RT: 9.459 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

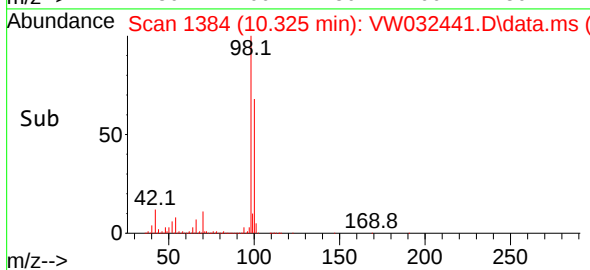
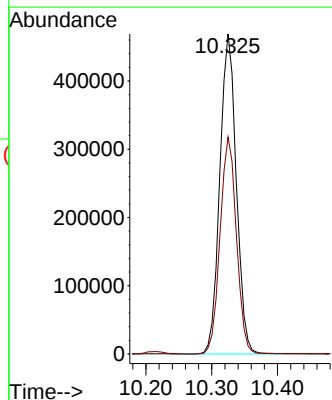
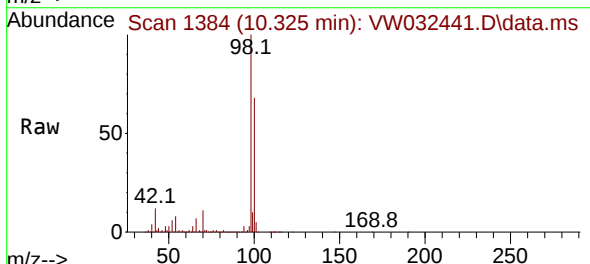
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

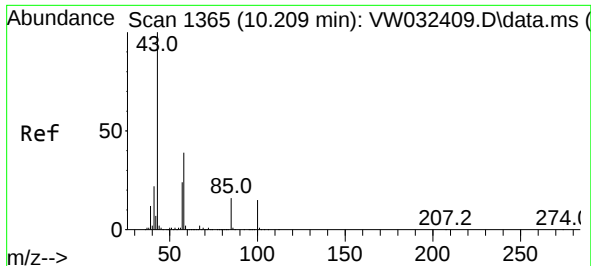
Tgt Ion: 88 Resp: 1913
Ion Ratio Lower Upper
88 100
43 40.3 0.0 0.0#
58 77.5 63.0 94.4



#50
Toluene-d8
Concen: 48.892 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

Tgt Ion: 98 Resp: 817786
Ion Ratio Lower Upper
98 100
100 67.2 53.3 79.9





#51

4-Methyl-2-Pentanone

Concen: 10.646 ug/l

RT: 10.215 min Scan# 1366

Delta R.T. 0.006 min

Lab File: VW032441.D

Acq: 12 Nov 2025 15:58

Instrument :

MSVOA_W

ClientSampleId :

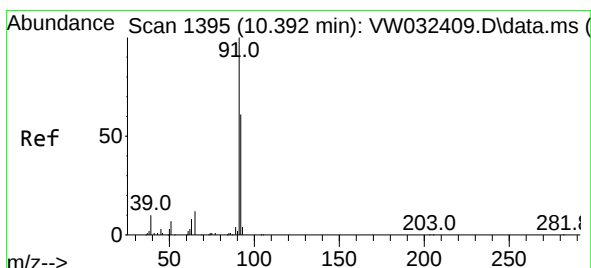
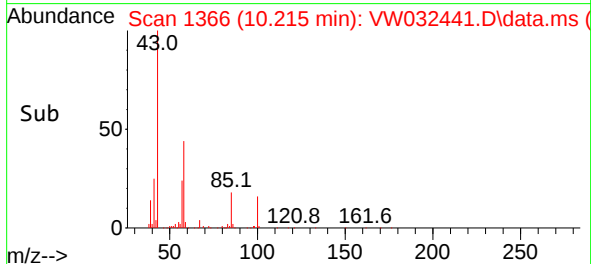
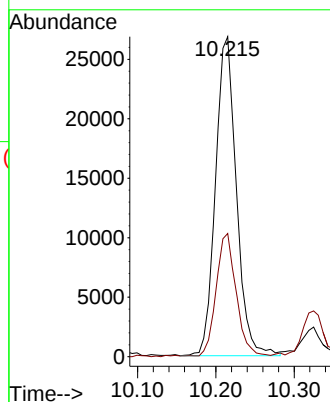
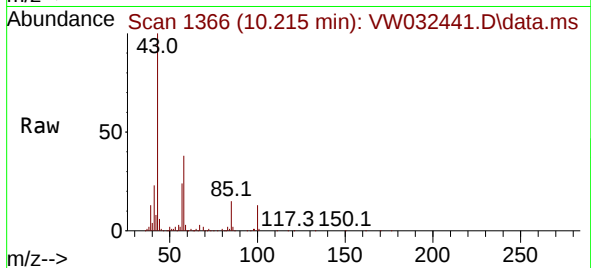
MDL-SOIL-03-QT4-2025

Tgt Ion: 43 Resp: 49782

Ion Ratio Lower Upper

43 100

58 36.6 31.4 47.2



#52

Toluene

Concen: 2.485 ug/l

RT: 10.392 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VW032441.D

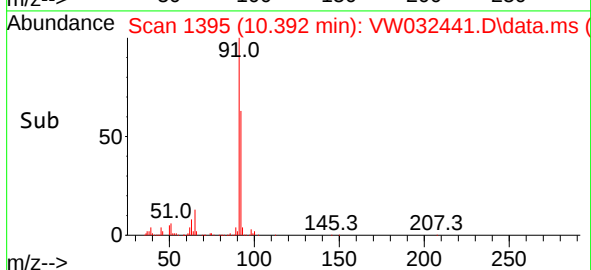
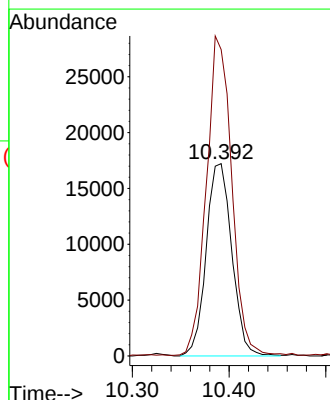
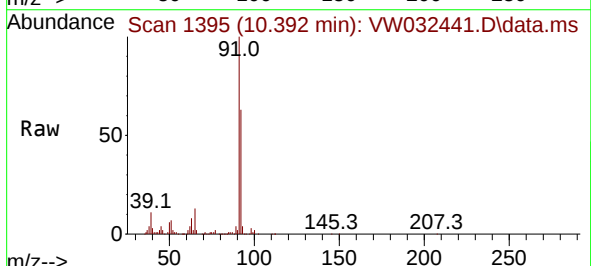
Acq: 12 Nov 2025 15:58

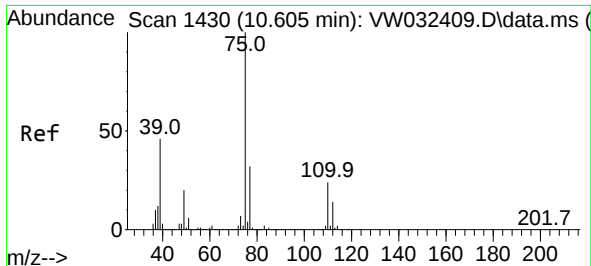
Tgt Ion: 92 Resp: 31752

Ion Ratio Lower Upper

92 100

91 164.0 136.6 205.0

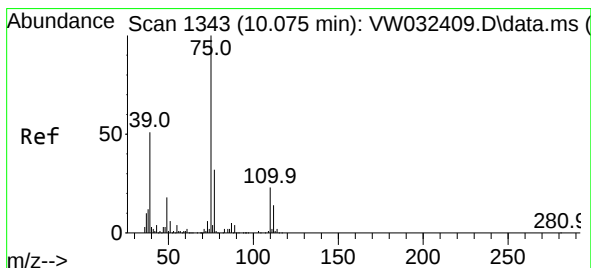
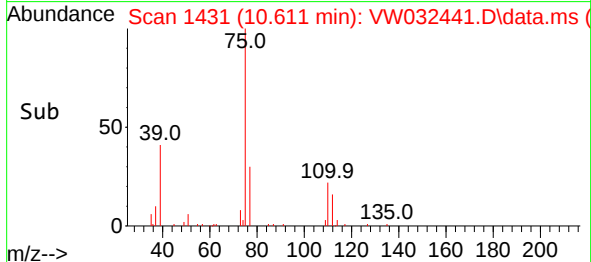
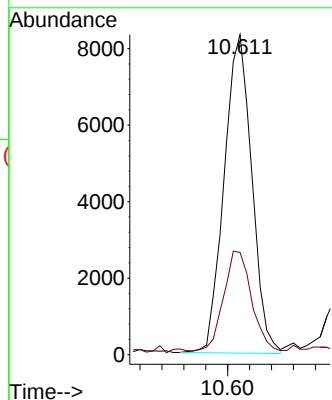
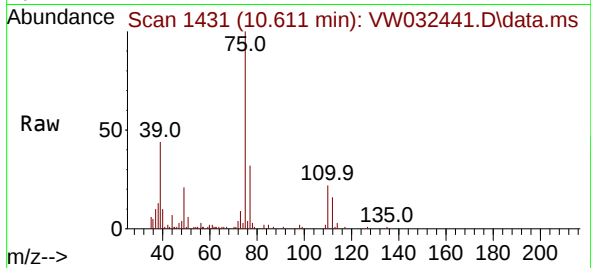




#53
t-1,3-Dichloropropene
Concen: 2.060 ug/l
RT: 10.611 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

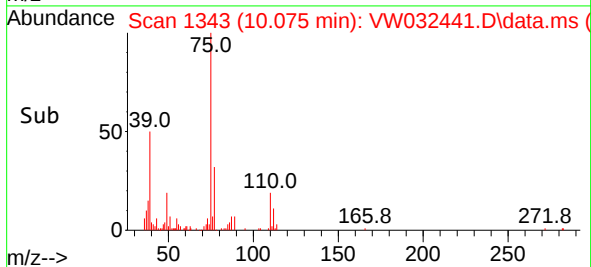
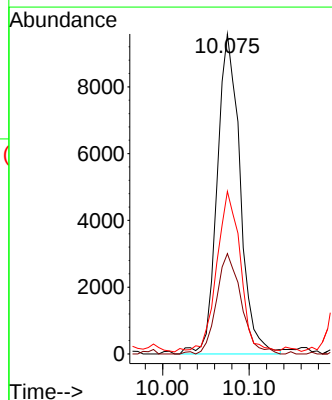
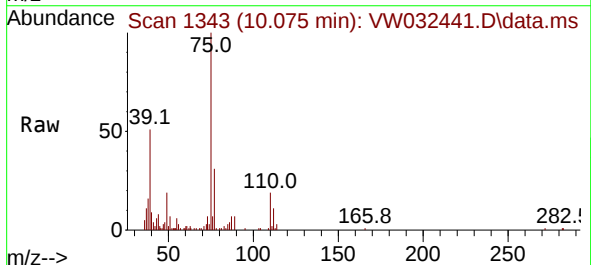
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-03-QT4-2025

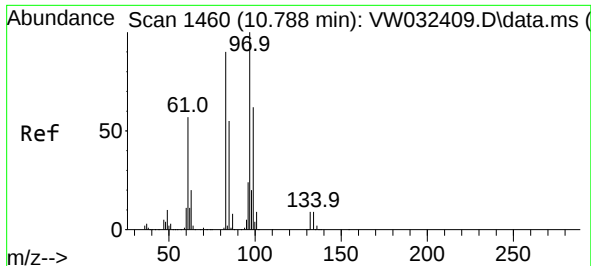
Tgt Ion: 75 Resp: 14571
Ion Ratio Lower Upper
75 100
77 30.9 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 2.156 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

Tgt Ion: 75 Resp: 17632
Ion Ratio Lower Upper
75 100
77 31.4 25.6 38.4
39 49.7 40.7 61.1





#55

1,1,2-Trichloroethane

Concen: 2.479 ug/l

RT: 10.788 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VW032441.D

Acq: 12 Nov 2025 15:58

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-03-QT4-2025

Tgt Ion: 97 Resp: 10238

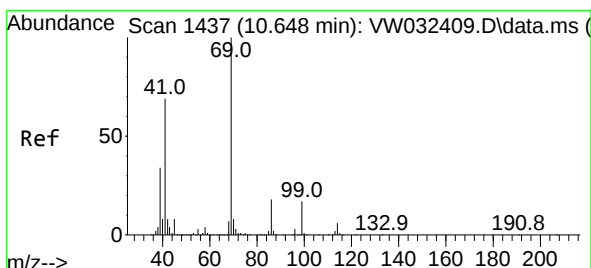
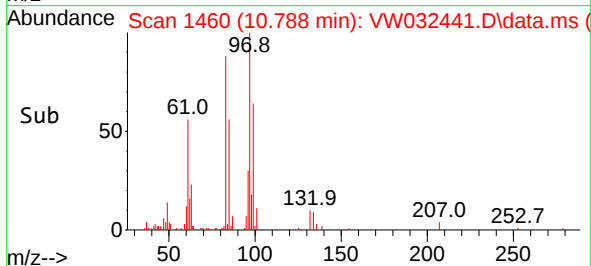
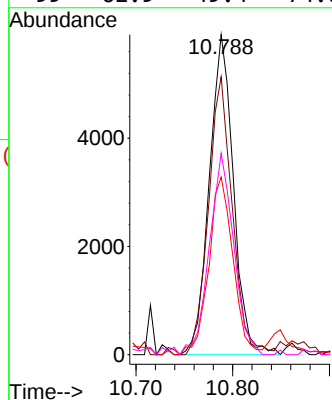
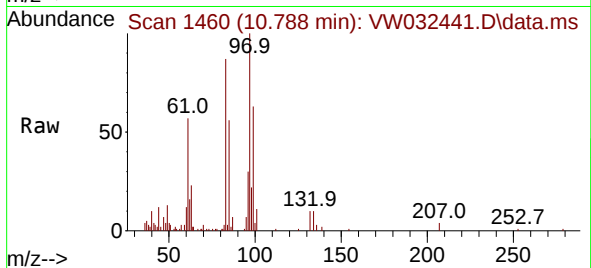
Ion Ratio Lower Upper

97 100

83 86.9 72.2 108.4

85 55.5 43.8 65.8

99 62.9 49.4 74.0



#56

Ethyl methacrylate

Concen: 1.932 ug/l

RT: 10.648 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VW032441.D

Acq: 12 Nov 2025 15:58

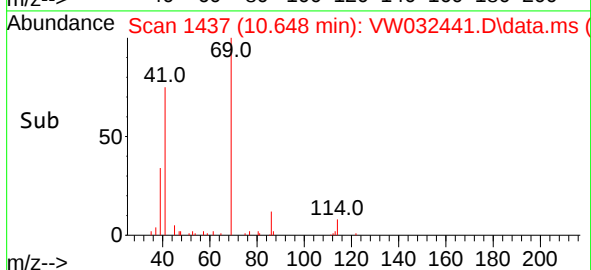
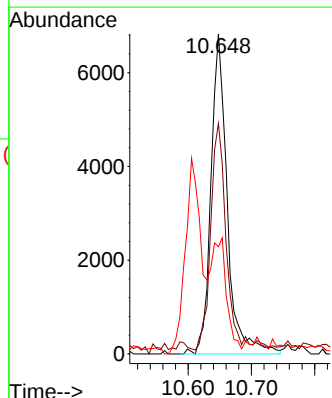
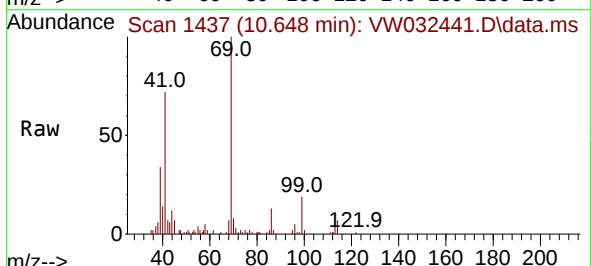
Tgt Ion: 69 Resp: 12244

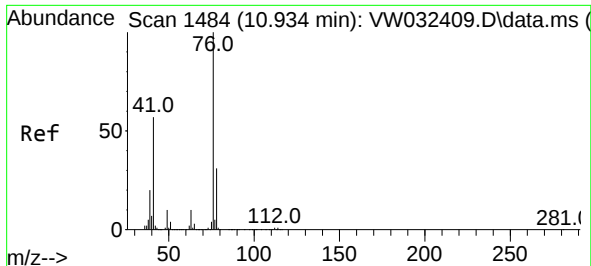
Ion Ratio Lower Upper

69 100

41 66.7 54.4 81.6

39 33.1 25.4 38.0





#57

1,3-Dichloropropane

Concen: 2.397 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. 0.000 min

Lab File: VW032441.D

Acq: 12 Nov 2025 15:58

Instrument :

MSVOA_W

ClientSampleId :

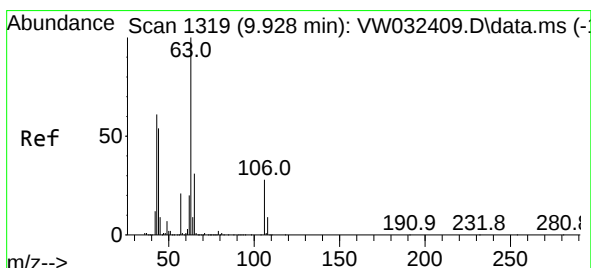
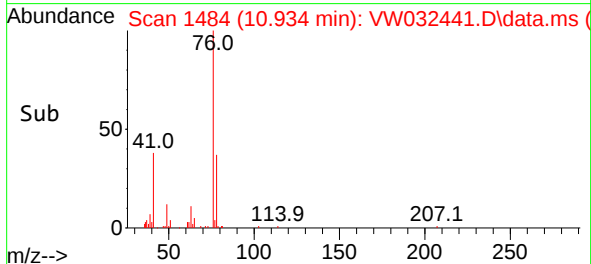
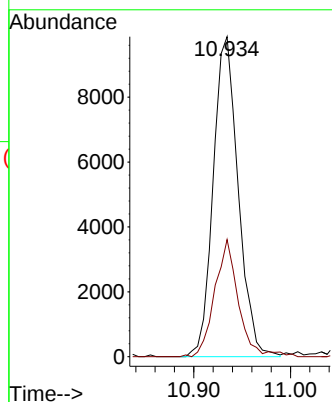
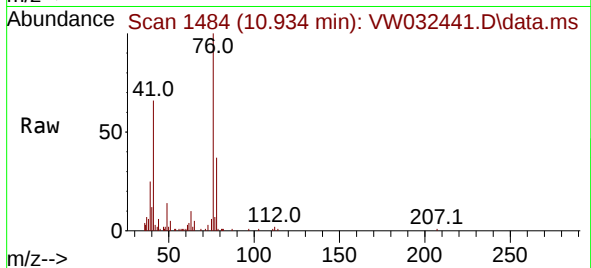
MDL-SOIL-03-QT4-2025

Tgt Ion: 76 Resp: 17676

Ion Ratio Lower Upper

76 100

78 34.7 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 9.513 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VW032441.D

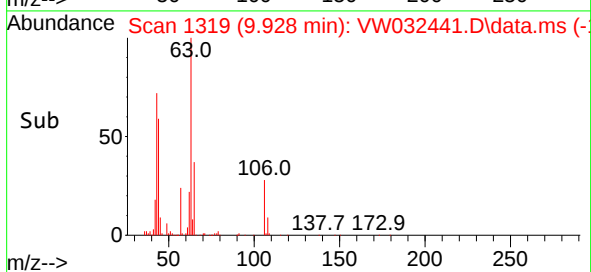
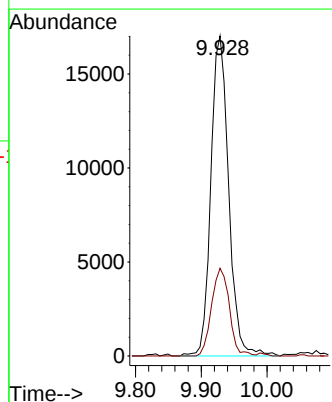
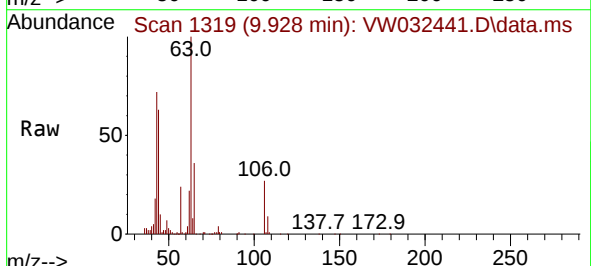
Acq: 12 Nov 2025 15:58

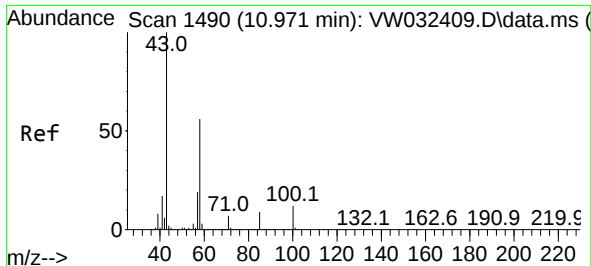
Tgt Ion: 63 Resp: 32101

Ion Ratio Lower Upper

63 100

106 27.3 22.0 33.0

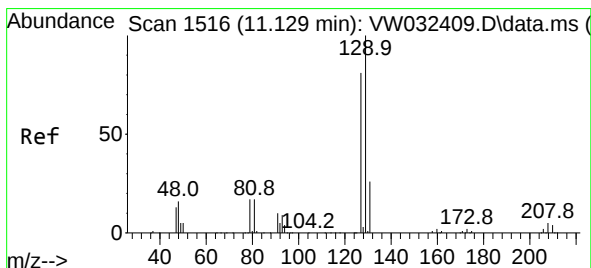
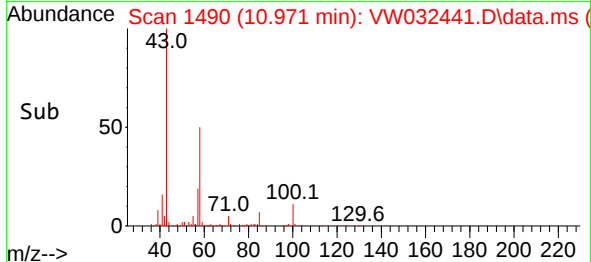
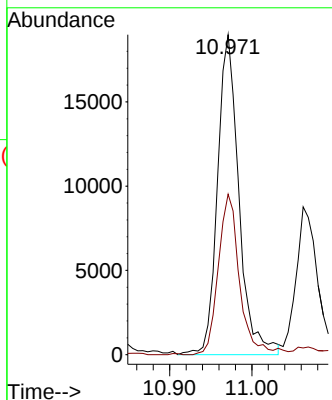
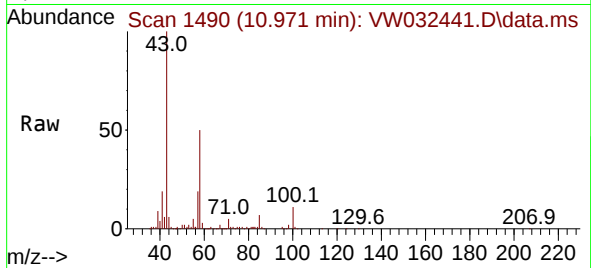




#59
2-Hexanone
Concen: 10.031 ug/l
RT: 10.971 min Scan# 1490
Delta R.T. 0.000 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

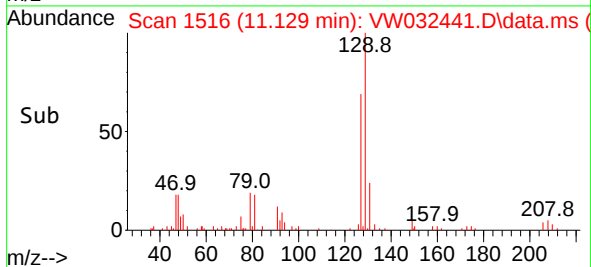
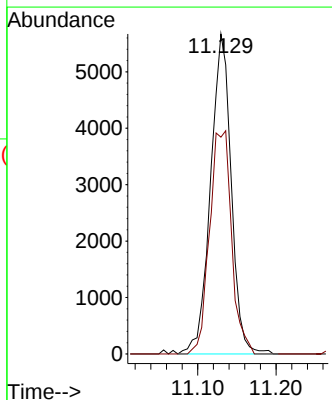
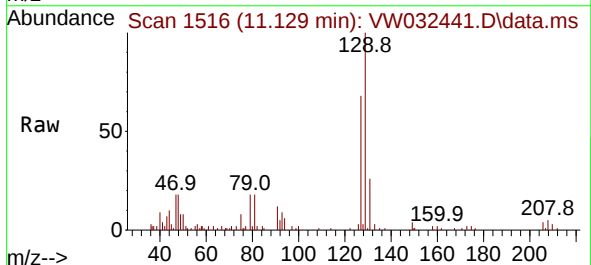
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

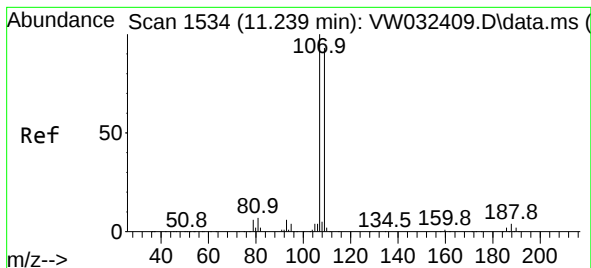
Tgt Ion: 43 Resp: 34318
Ion Ratio Lower Upper
43 100
58 49.1 27.4 82.2



#60
Dibromochloromethane
Concen: 2.257 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

Tgt Ion: 129 Resp: 10408
Ion Ratio Lower Upper
129 100
127 74.1 39.2 117.6

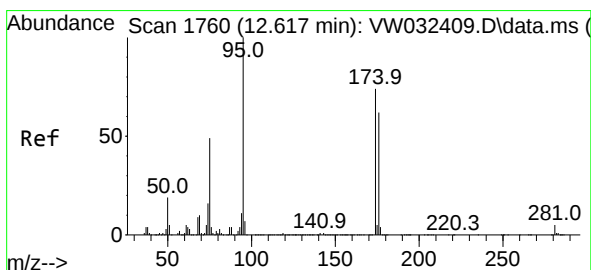
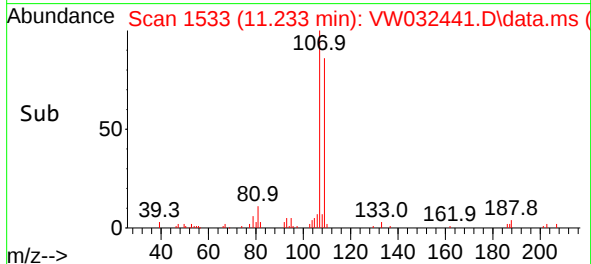
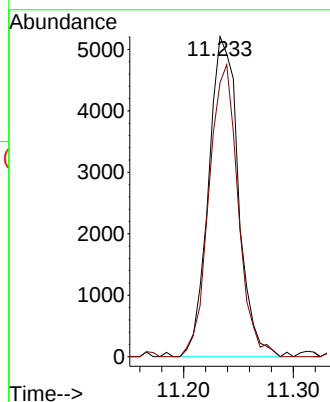
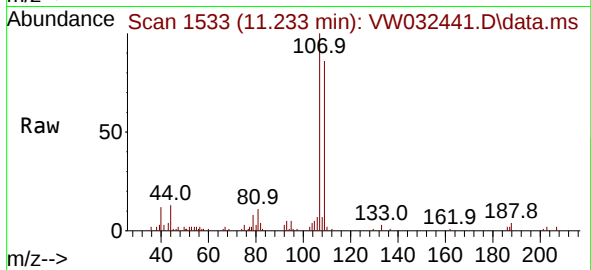




#61
1,2-Dibromoethane
Concen: 2.445 ug/l
RT: 11.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

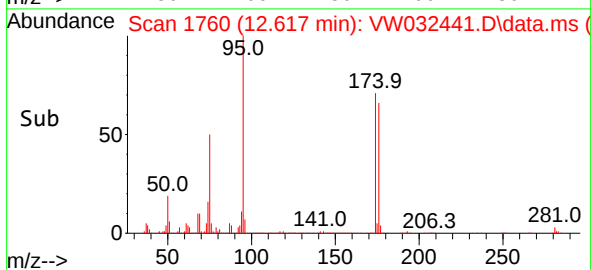
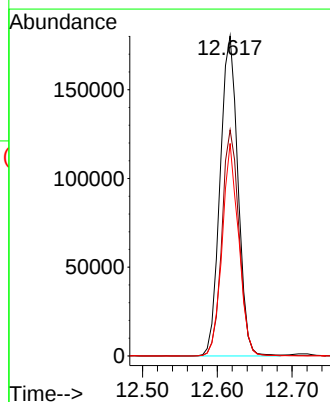
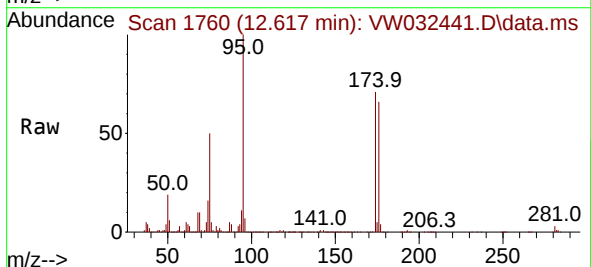
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

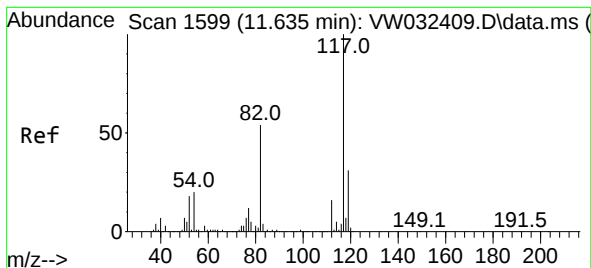
Tgt Ion:107 Resp: 9832
Ion Ratio Lower Upper
107 100
109 89.2 76.3 114.5



#62
4-Bromofluorobenzene
Concen: 47.417 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

Tgt Ion: 95 Resp: 299608
Ion Ratio Lower Upper
95 100
174 68.3 0.0 135.4
176 61.5 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: VW032441.D

Acq: 12 Nov 2025 15:58

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-03-QT4-2025

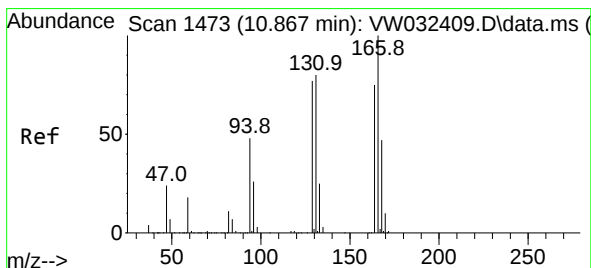
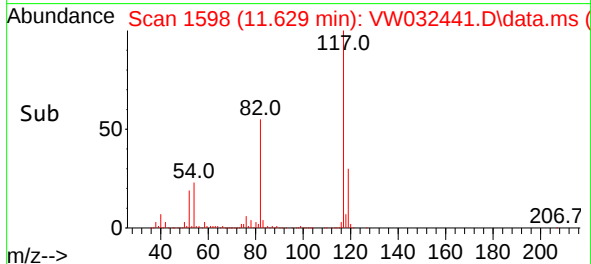
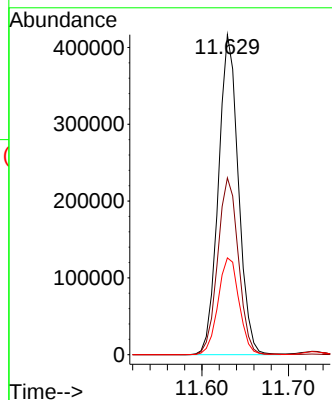
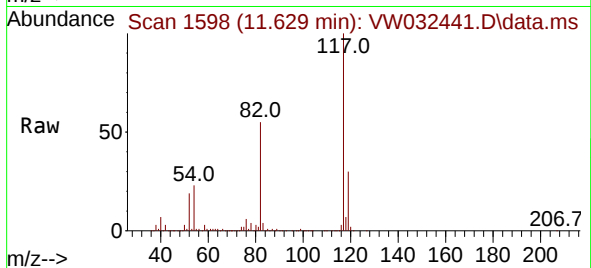
Tgt Ion:117 Resp: 668535

Ion Ratio Lower Upper

117 100

82 55.2 43.0 64.4

119 30.3 25.0 37.6



#64

Tetrachloroethene

Concen: 2.433 ug/l

RT: 10.867 min Scan# 1473

Delta R.T. 0.000 min

Lab File: VW032441.D

Acq: 12 Nov 2025 15:58

Tgt Ion:164 Resp: 9631

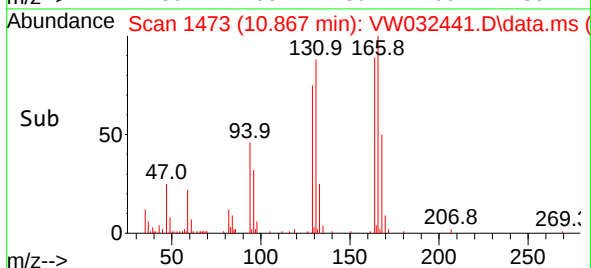
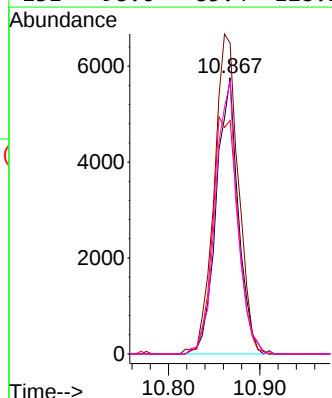
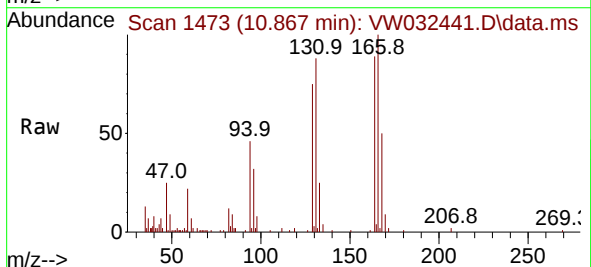
Ion Ratio Lower Upper

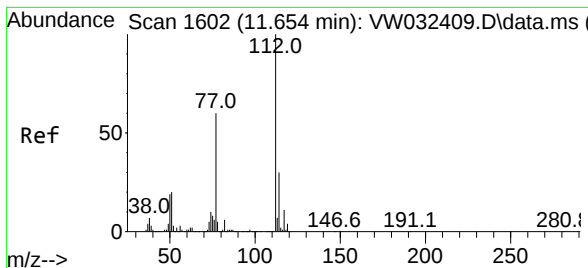
164 100

166 112.5 107.0 160.4

129 84.5 82.9 124.3

131 98.6 85.4 128.2





#65

Chlorobenzene

Concen: 2.369 ug/l

RT: 11.660 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW032441.D

Acq: 12 Nov 2025 15:58

Instrument :

MSVOA_W

ClientSampleId :

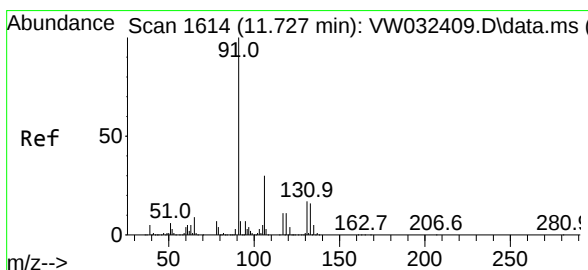
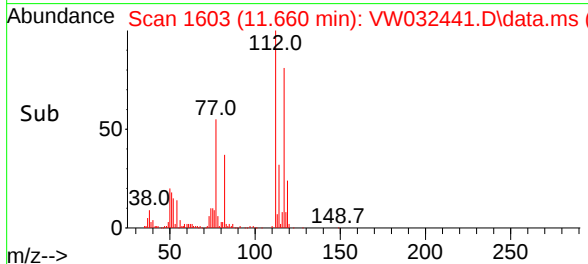
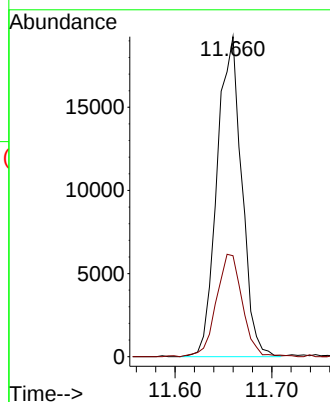
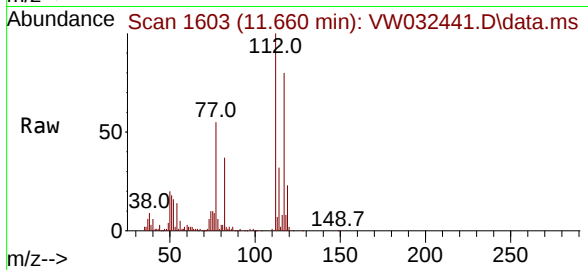
MDL-SOIL-03-QT4-2025

Tgt Ion:112 Resp: 34138

Ion Ratio Lower Upper

112 100

114 31.6 24.4 36.6



#66

1,1,1,2-Tetrachloroethane

Concen: 2.154 ug/l

RT: 11.727 min Scan# 1614

Delta R.T. 0.000 min

Lab File: VW032441.D

Acq: 12 Nov 2025 15:58

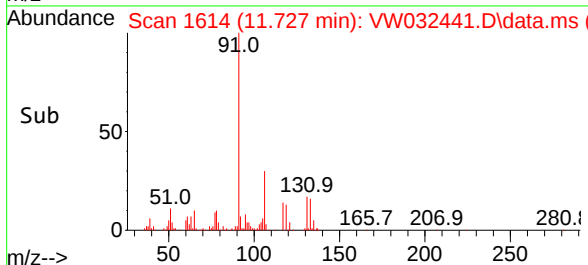
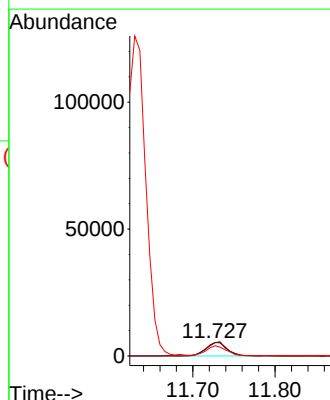
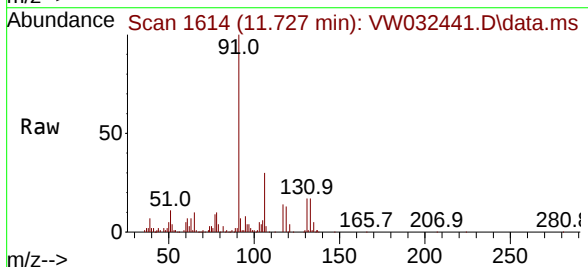
Tgt Ion:131 Resp: 9606

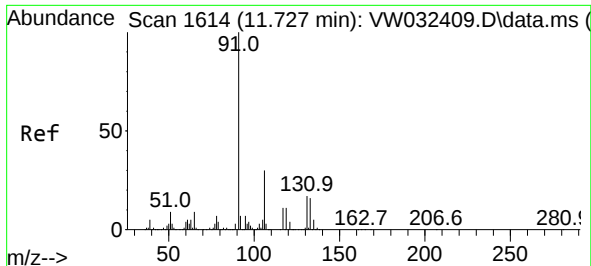
Ion Ratio Lower Upper

131 100

133 98.7 46.9 140.6

119 73.7 33.4 100.2





#67

Ethyl Benzene

Concen: 2.170 ug/l

RT: 11.727 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW032441.D

Acq: 12 Nov 2025 15:58

Instrument :

MSVOA_W

ClientSampleId :

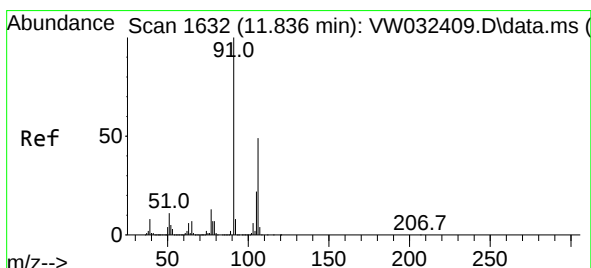
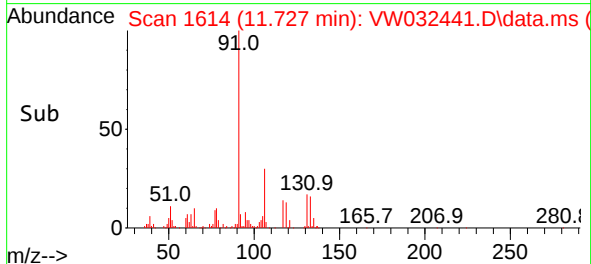
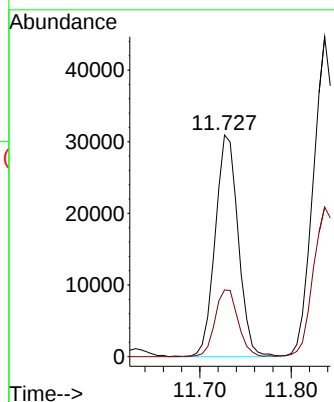
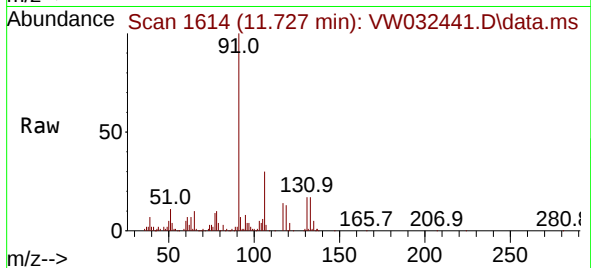
MDL-SOIL-03-QT4-2025

Tgt Ion: 91 Resp: 54104

Ion Ratio Lower Upper

91 100

106 29.9 24.2 36.2



#68

m/p-Xylenes

Concen: 4.225 ug/l

RT: 11.837 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW032441.D

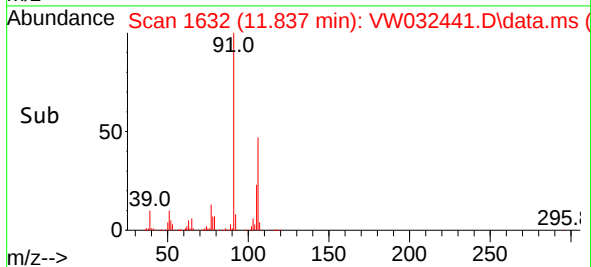
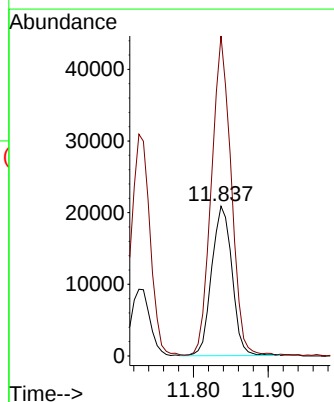
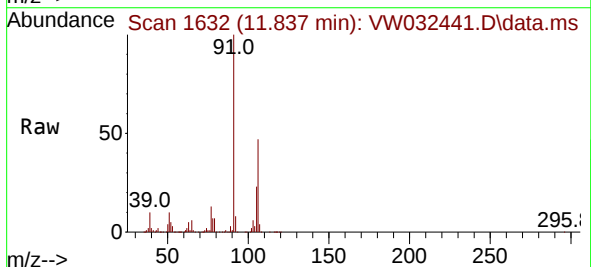
Acq: 12 Nov 2025 15:58

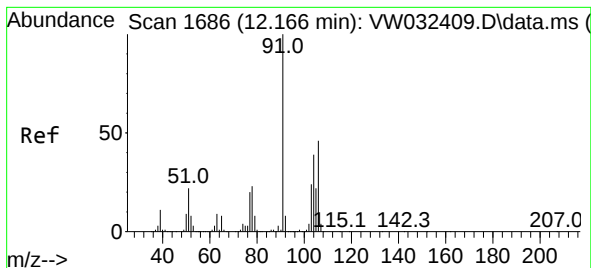
Tgt Ion:106 Resp: 39552

Ion Ratio Lower Upper

106 100

91 206.5 165.5 248.3

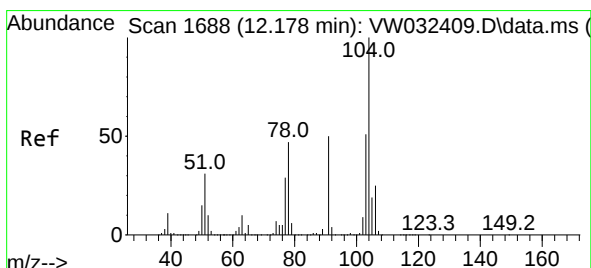
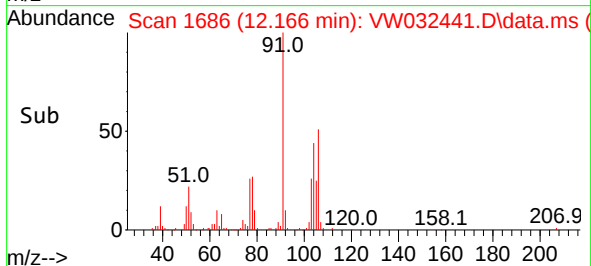
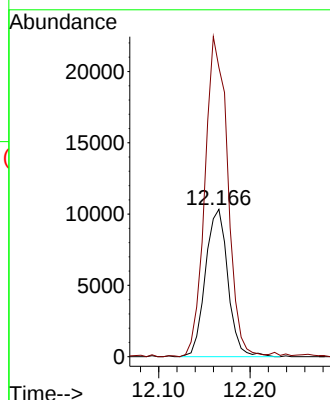
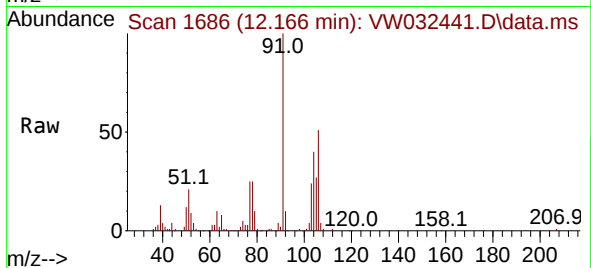




#69
o-Xylene
Concen: 1.968 ug/l
RT: 12.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

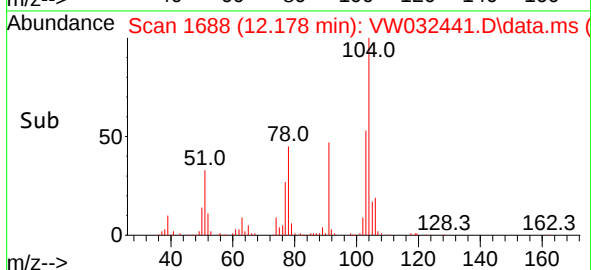
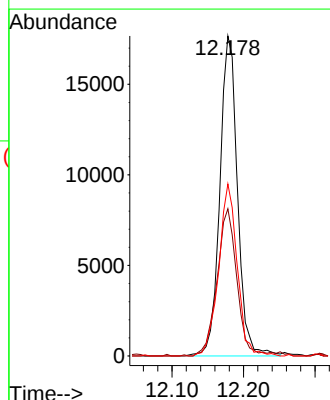
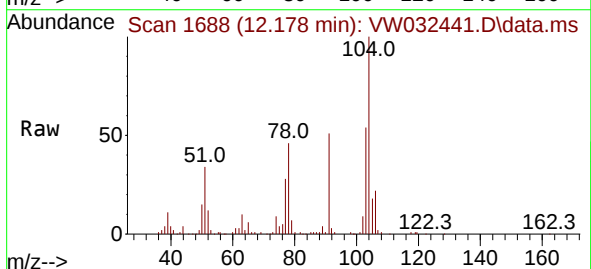
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

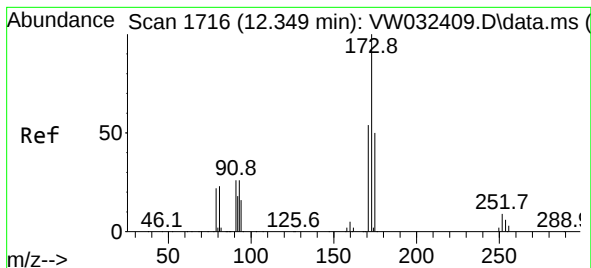
Tgt Ion:106 Resp: 17644
Ion Ratio Lower Upper
106 100
91 220.0 109.3 327.8



#70
Styrene
Concen: 1.966 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

Tgt Ion:104 Resp: 30320
Ion Ratio Lower Upper
104 100
78 51.3 40.7 61.1
103 56.6 43.9 65.9





#71

Bromoform

Concen: 2.212 ug/l

RT: 12.349 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW032441.D

Acq: 12 Nov 2025 15:58

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-03-QT4-2025

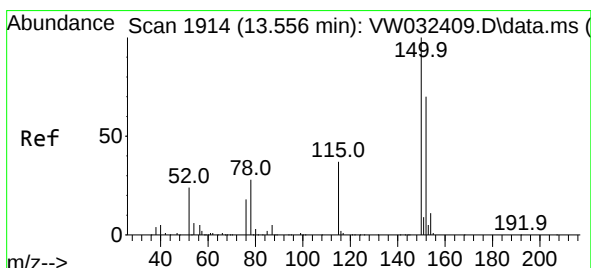
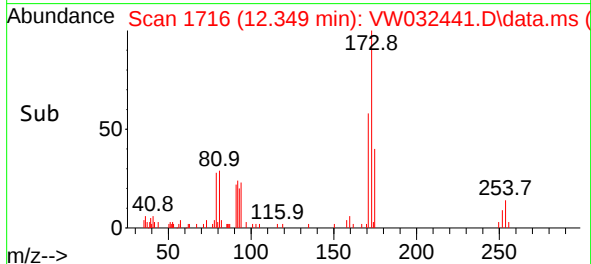
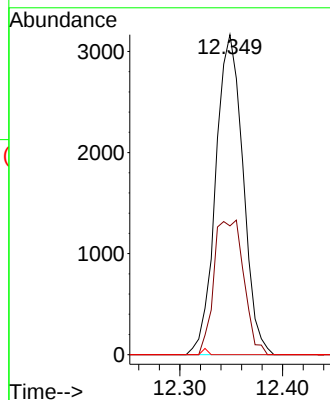
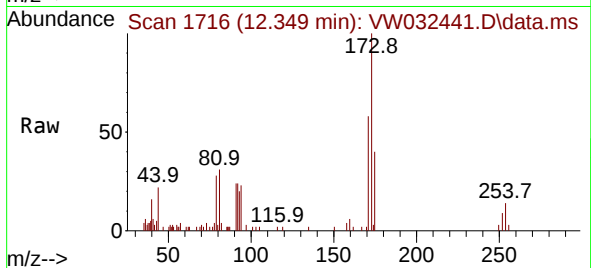
Tgt Ion:173 Resp: 5843

Ion Ratio Lower Upper

173 100

175 45.8 25.1 75.2

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW032441.D

Acq: 12 Nov 2025 15:58

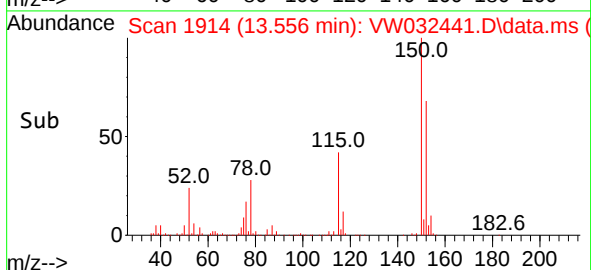
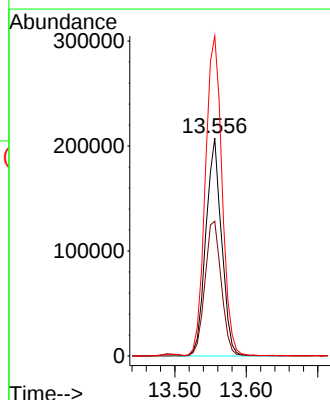
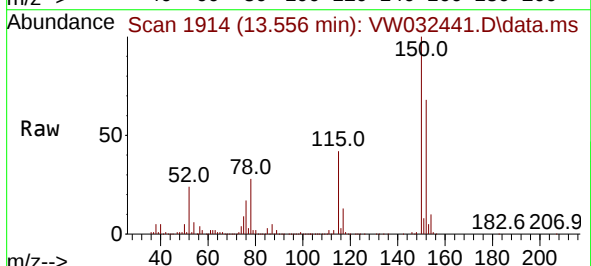
Tgt Ion:152 Resp: 316928

Ion Ratio Lower Upper

152 100

115 64.2 32.8 98.3

150 156.0 0.0 356.6





#73

Isopropylbenzene

Concen: 1.920 ug/l

RT: 12.459 min Scan# 1734

Delta R.T. -0.006 min

Lab File: VW032441.D

Acq: 12 Nov 2025 15:58

Instrument :

MSVOA_W

ClientSampleId :

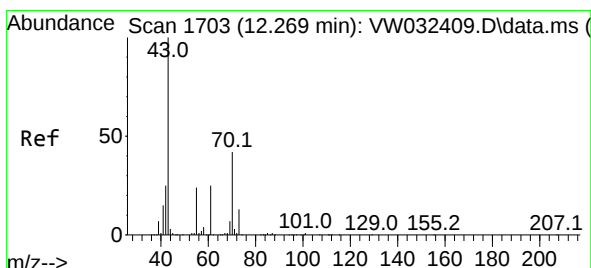
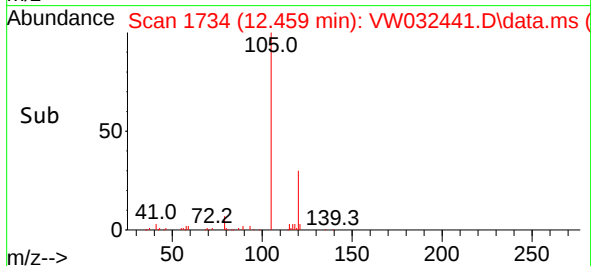
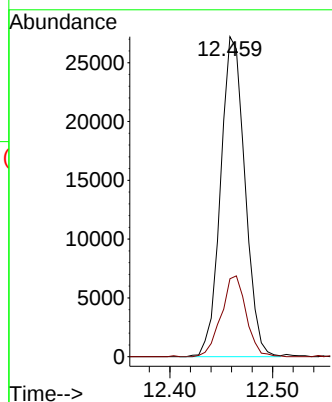
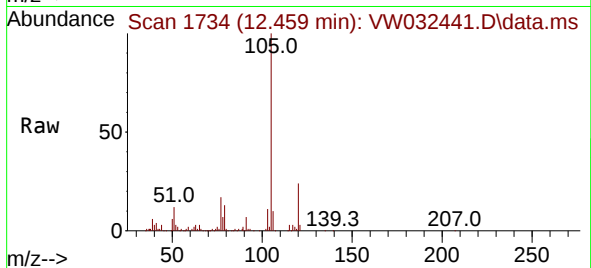
MDL-SOIL-03-QT4-2025

Tgt Ion:105 Resp: 44692

Ion Ratio Lower Upper

105 100

120 25.8 13.2 39.5



#74

N-ethyl acetate

Concen: 1.838 ug/l

RT: 12.276 min Scan# 1704

Delta R.T. 0.006 min

Lab File: VW032441.D

Acq: 12 Nov 2025 15:58

Tgt Ion: 43 Resp: 14865

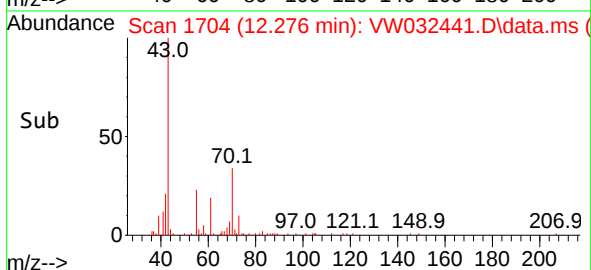
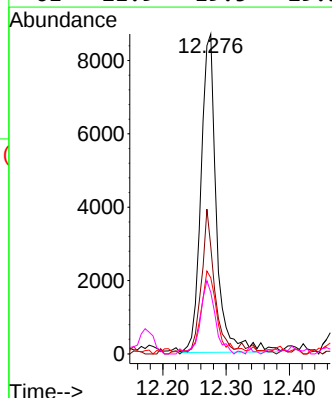
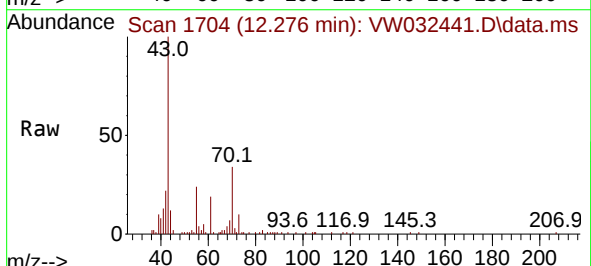
Ion Ratio Lower Upper

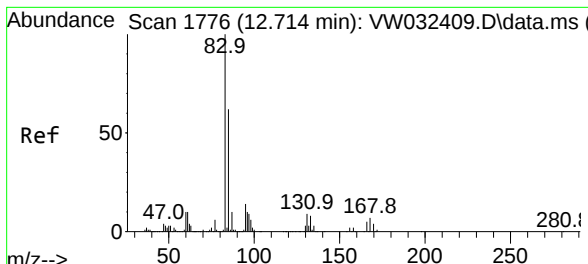
43 100

70 38.2 33.5 50.3

55 24.7 19.3 28.9

61 21.9 19.5 29.3

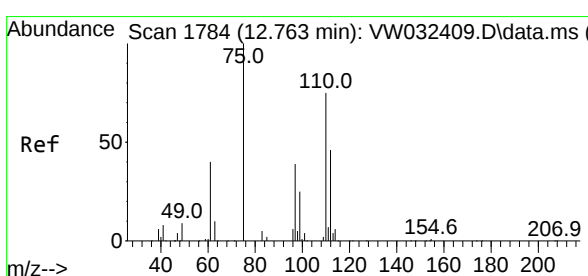
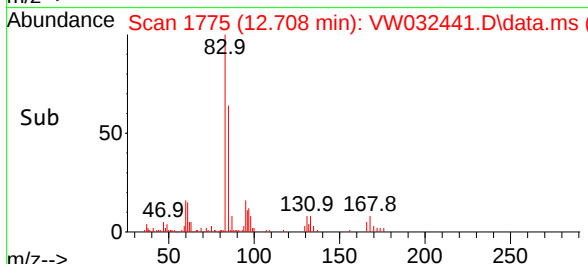
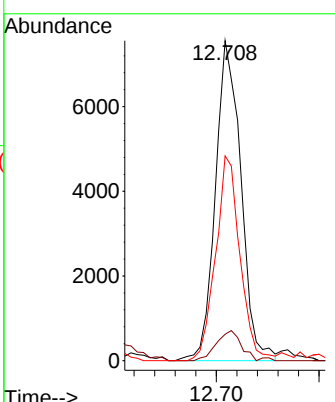
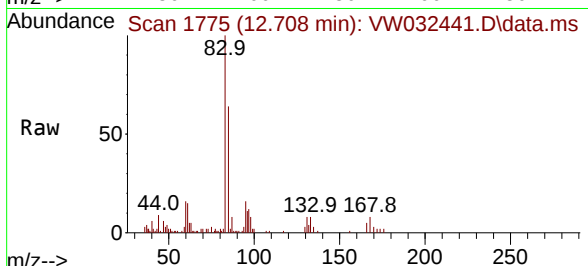




#75
 1,1,2,2-Tetrachloroethane
 Concen: 2.357 ug/l
 RT: 12.708 min Scan# 1775
 Delta R.T. -0.006 min
 Lab File: VW032441.D
 Acq: 12 Nov 2025 15:58

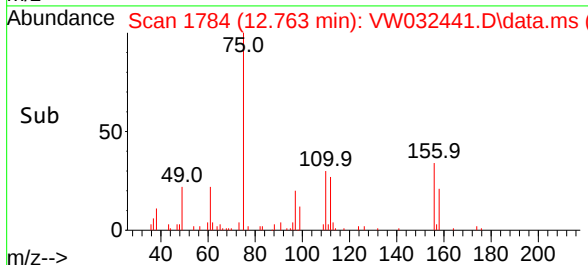
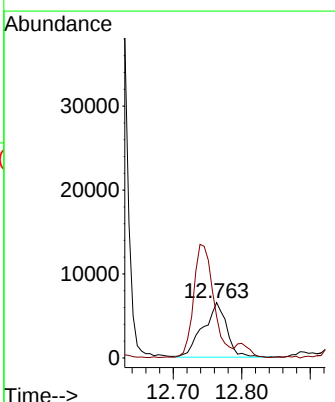
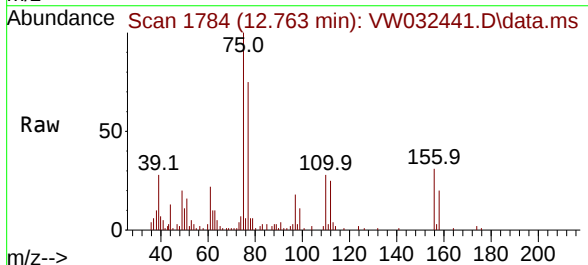
Instrument : MSVOA_W
 ClientSampleId : MDL-SOIL-03-QT4-2025

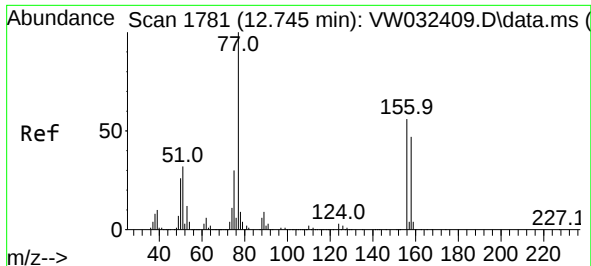
Tgt Ion:	83	Resp:	13021
Ion Ratio	Lower	Upper	
83	100		
131	9.4	5.0	14.9
85	61.0	31.6	94.8



#76
 1,2,3-Trichloropropane
 Concen: 3.615 ug/l
 RT: 12.763 min Scan# 1784
 Delta R.T. 0.000 min
 Lab File: VW032441.D
 Acq: 12 Nov 2025 15:58

Tgt Ion:	75	Resp:	15709
Ion Ratio	Lower	Upper	
75	100		
77	0.0	151.6	454.8#

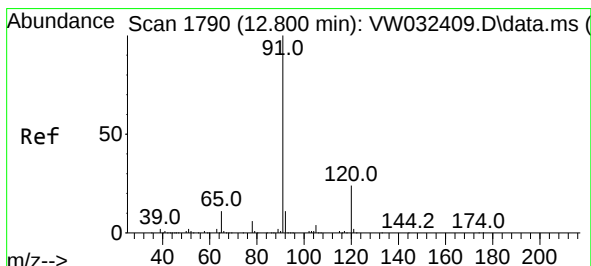
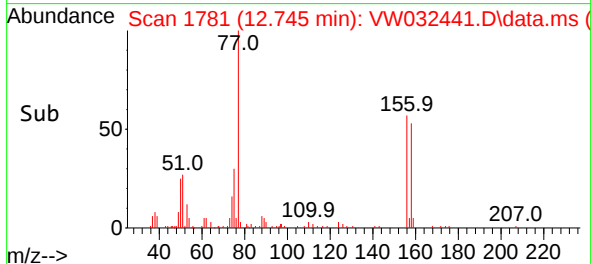
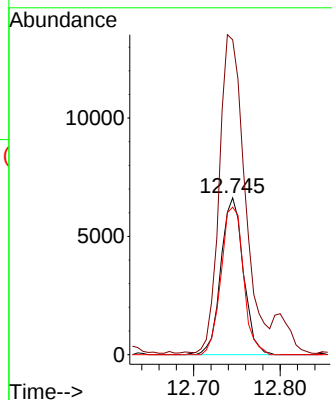
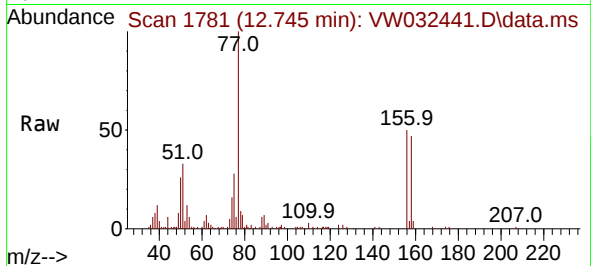




#77
Bromobenzene
Concen: 2.169 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. 0.000 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

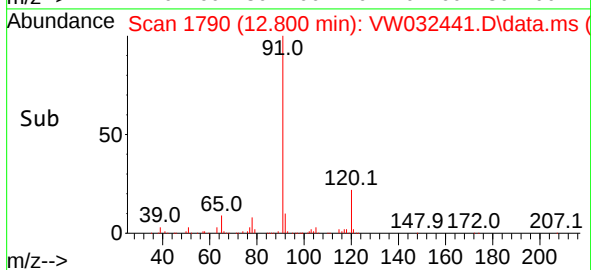
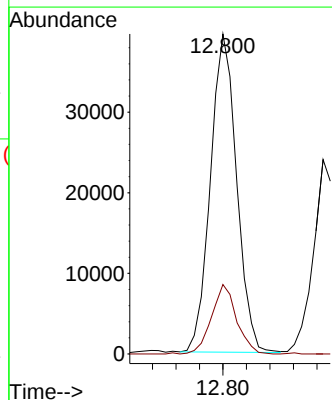
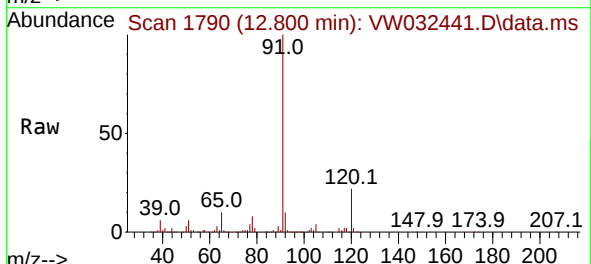
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

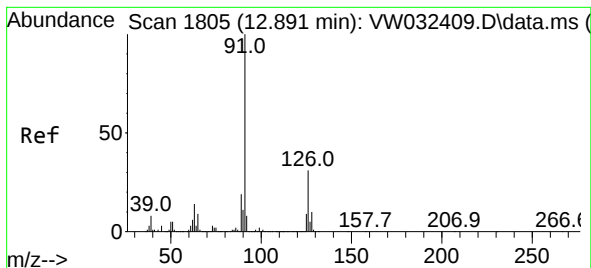
Tgt Ion:156 Resp: 11953
Ion Ratio Lower Upper
156 100
77 232.9 108.0 324.0
158 93.8 45.1 135.5



#78
n-propylbenzene
Concen: 2.157 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

Tgt Ion: 91 Resp: 61137
Ion Ratio Lower Upper
91 100
120 20.9 11.3 33.9





#79

2-Chlorotoluene

Concen: 2.154 ug/l

RT: 12.885 min Scan# 1804

Delta R.T. -0.006 min

Lab File: VW032441.D

Acq: 12 Nov 2025 15:58

Instrument :

MSVOA_W

ClientSampleId :

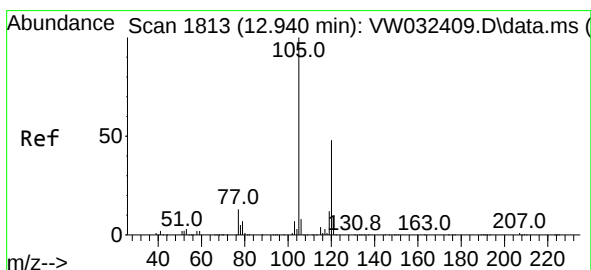
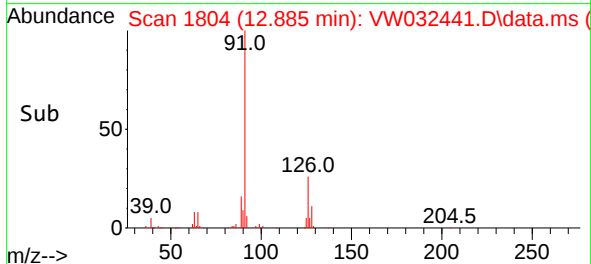
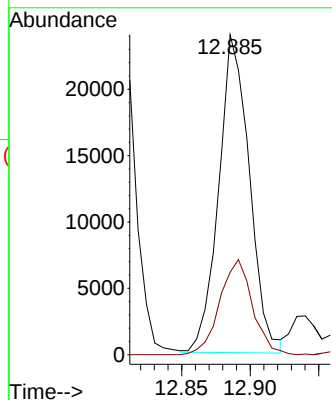
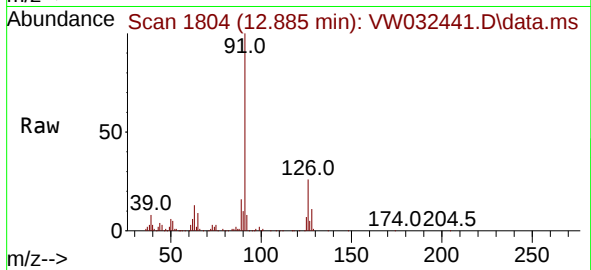
MDL-SOIL-03-QT4-2025

Tgt Ion: 91 Resp: 37270

Ion Ratio Lower Upper

91 100

126 31.9 16.1 48.2



#80

1,3,5-Trimethylbenzene

Concen: 2.046 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW032441.D

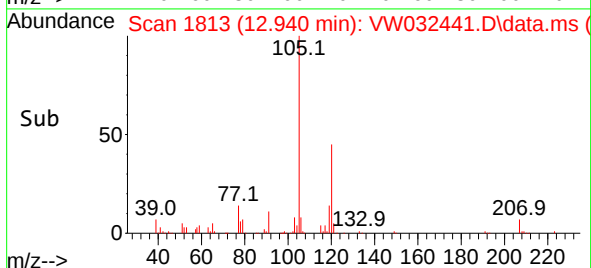
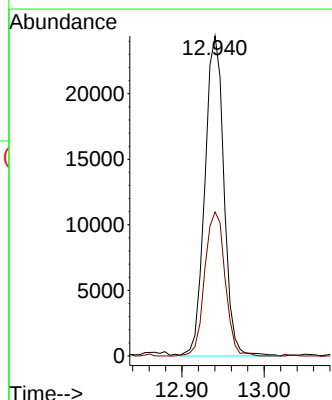
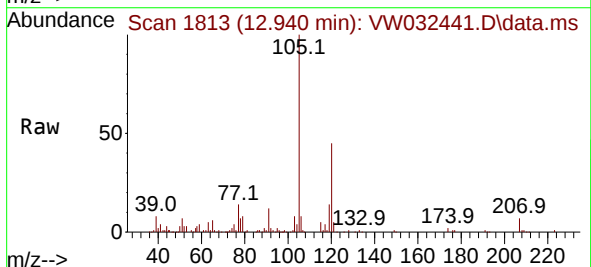
Acq: 12 Nov 2025 15:58

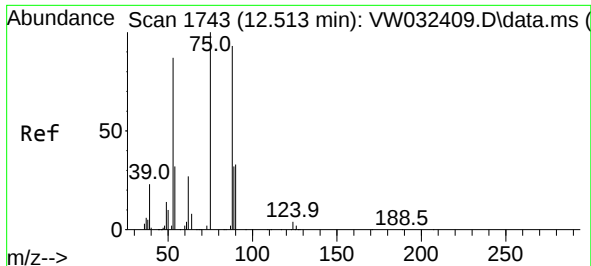
Tgt Ion: 105 Resp: 39282

Ion Ratio Lower Upper

105 100

120 47.9 24.2 72.6

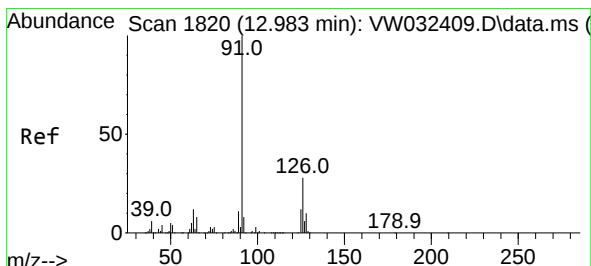
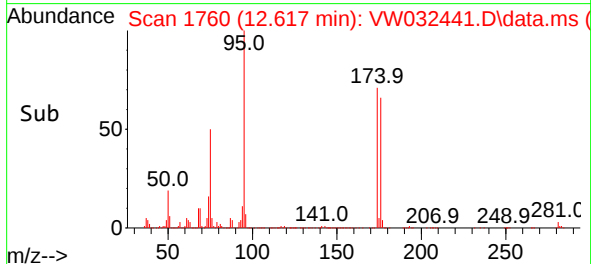
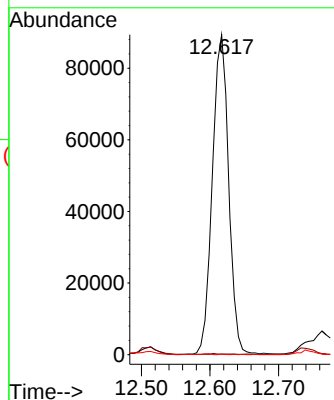
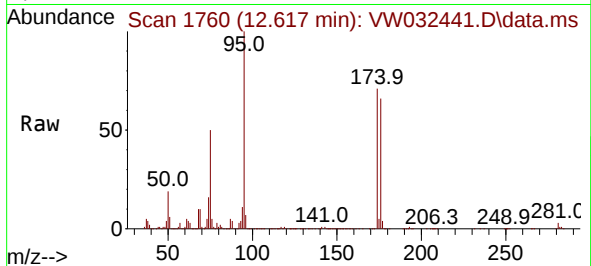




#81
trans-1,4-Dichloro-2-butene
Concen: 77.832 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

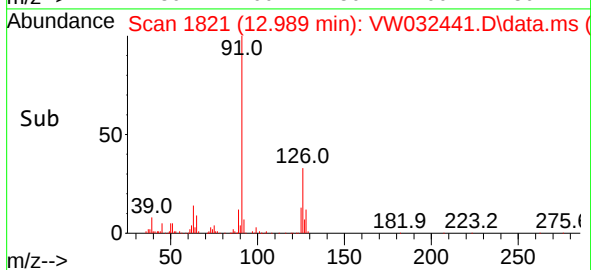
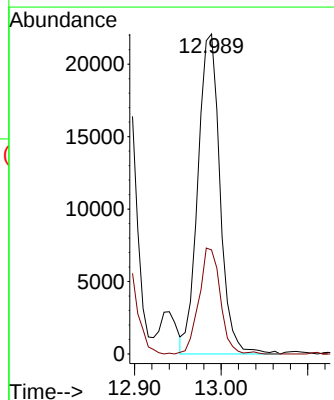
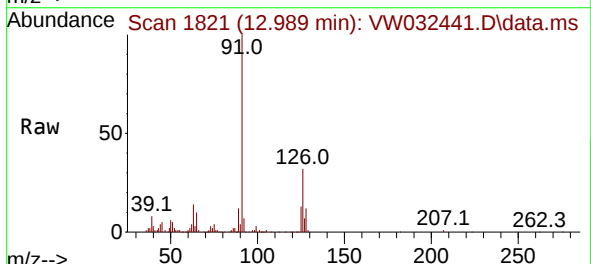
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

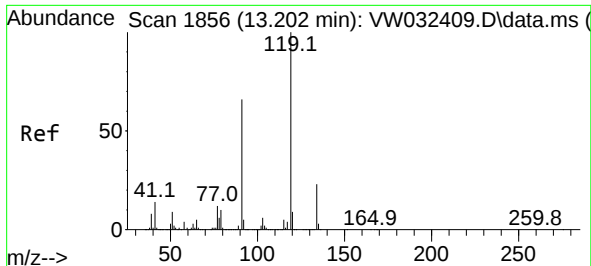
Tgt Ion: 75 Resp: 147669
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 35.6 53.4#



#82
4-Chlorotoluene
Concen: 2.175 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

Tgt Ion: 91 Resp: 39142
Ion Ratio Lower Upper
91 100
126 32.0 15.5 46.5

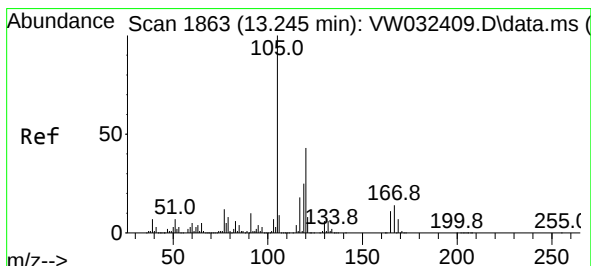
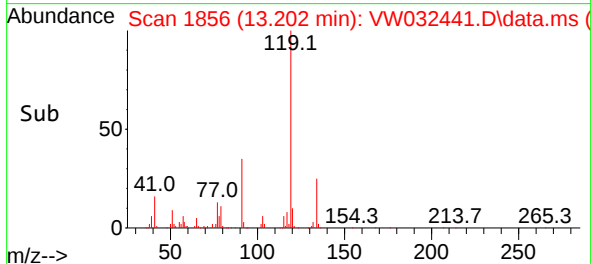
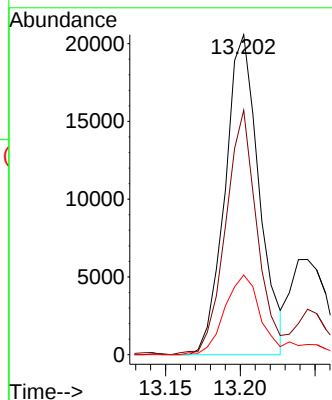
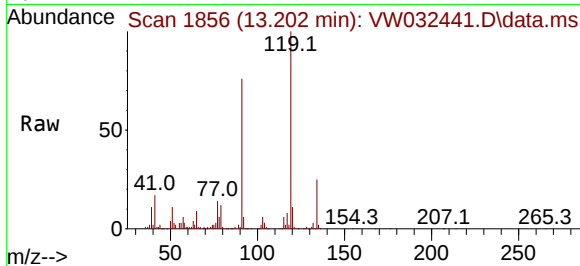




#83
tert-Butylbenzene
Concen: 1.949 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

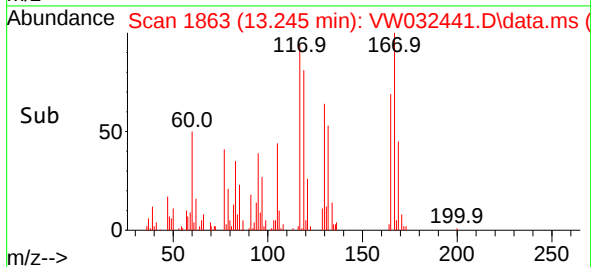
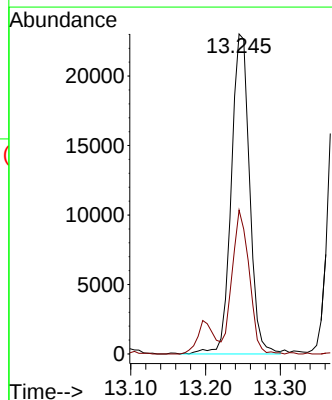
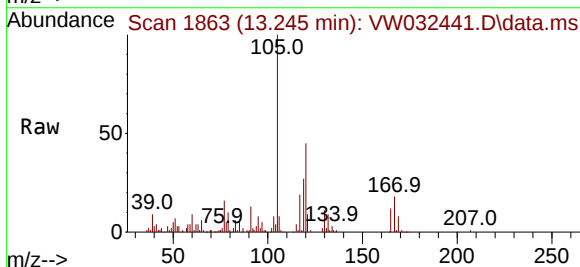
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-03-QT4-2025

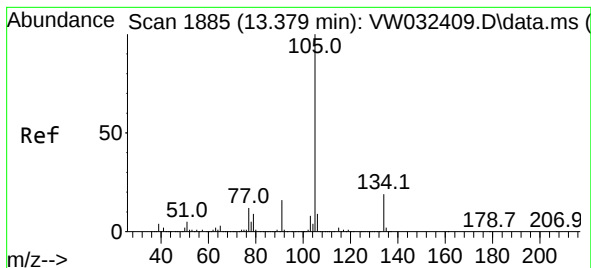
Tgt Ion:	119	Resp:	32563
Ion Ratio	Lower	Upper	
119	100		
91	70.4	33.3	99.9
134	29.4	12.2	36.4



#84
1,2,4-Trimethylbenzene
Concen: 2.005 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

Tgt Ion:	105	Resp:	39165
Ion Ratio	Lower	Upper	
105	100		
120	41.9	22.1	66.5





#85

sec-Butylbenzene

Concen: 2.040 ug/l

RT: 13.379 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW032441.D

Acq: 12 Nov 2025 15:58

Instrument :

MSVOA_W

ClientSampleId :

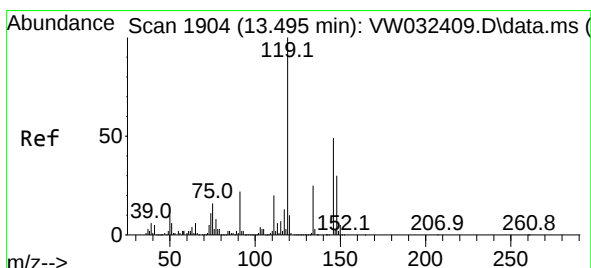
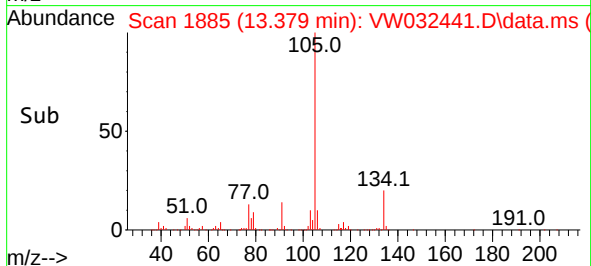
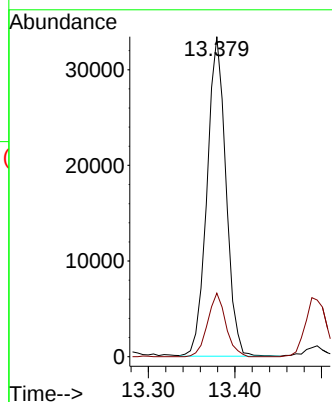
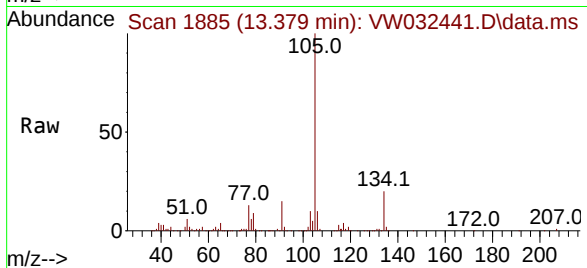
MDL-SOIL-03-QT4-2025

Tgt Ion:105 Resp: 50741

Ion Ratio Lower Upper

105 100

134 19.1 9.8 29.3



#86

p-Isopropyltoluene

Concen: 1.907 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW032441.D

Acq: 12 Nov 2025 15:58

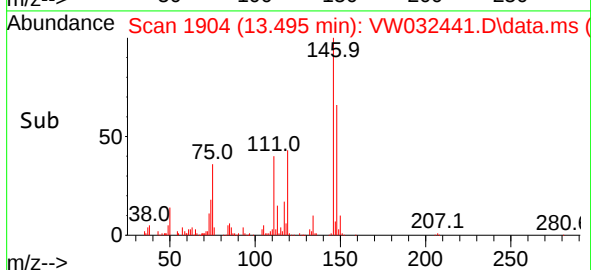
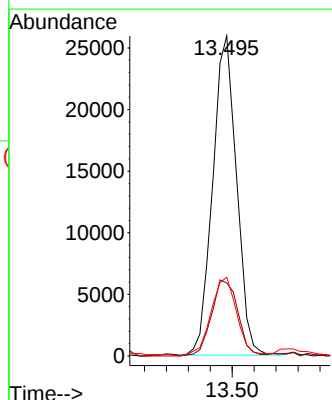
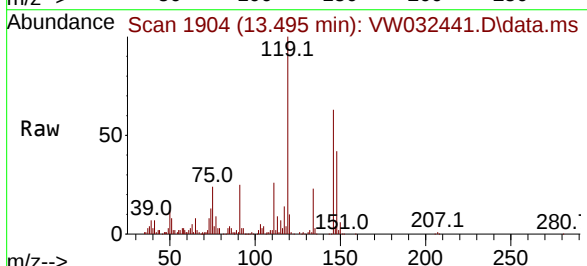
Tgt Ion:119 Resp: 39168

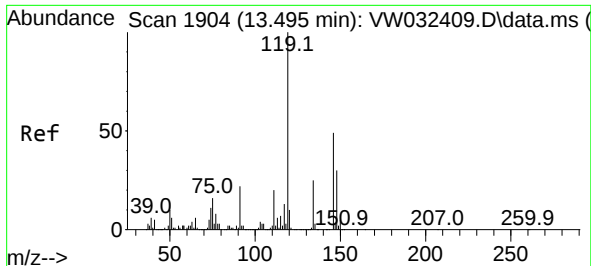
Ion Ratio Lower Upper

119 100

134 26.3 12.7 38.1

91 26.6 11.9 35.5

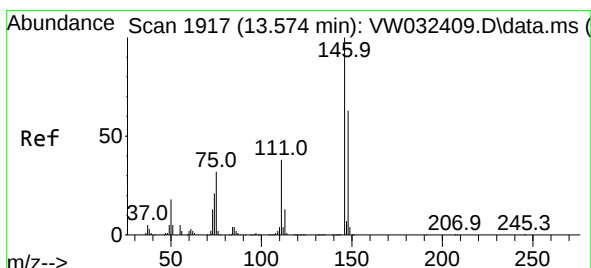
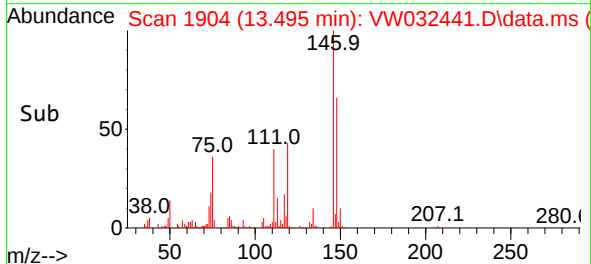
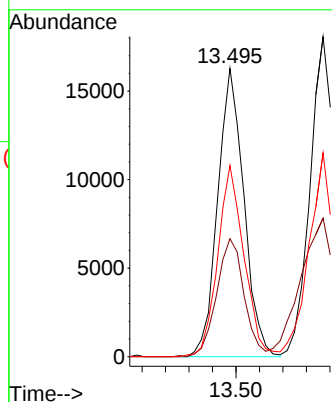
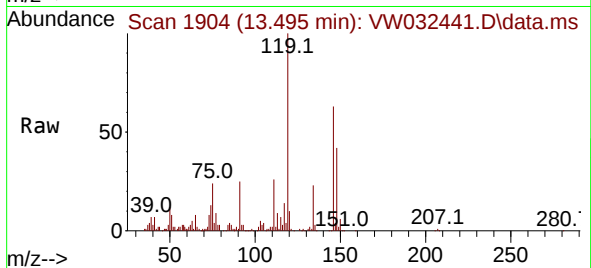




#87
1,3-Dichlorobenzene
Concen: 2.411 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

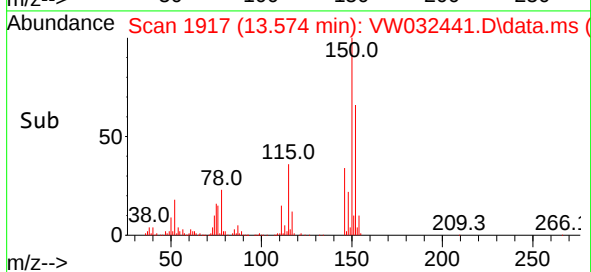
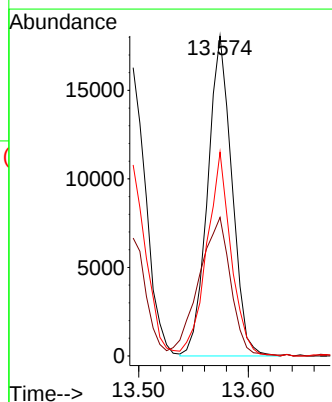
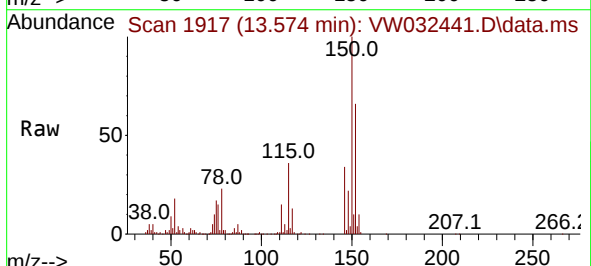
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

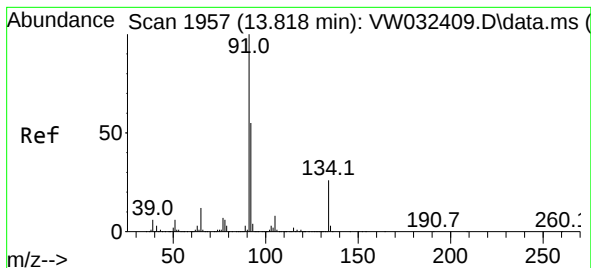
Tgt Ion:146 Resp: 25187
Ion Ratio Lower Upper
146 100
111 42.8 22.2 66.6
148 66.7 33.4 100.1



#88
1,4-Dichlorobenzene
Concen: 2.591 ug/l
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

Tgt Ion:146 Resp: 27737
Ion Ratio Lower Upper
146 100
111 57.1 20.5 61.6
148 64.1 31.2 93.6





#89

n-Butylbenzene

Concen: 2.064 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VW032441.D

Acq: 12 Nov 2025 15:58

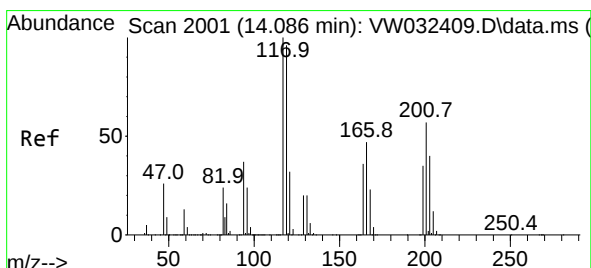
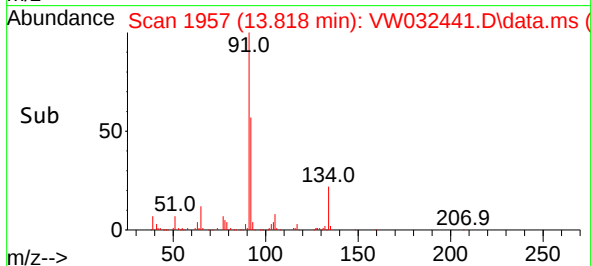
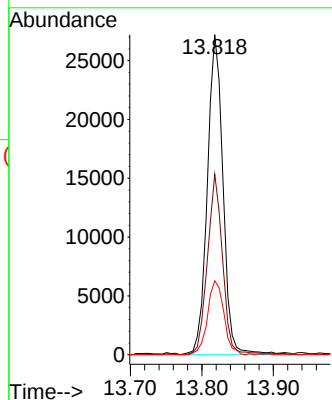
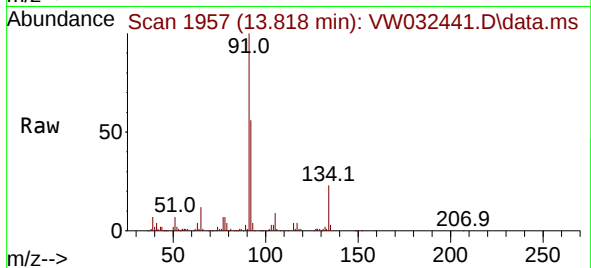
Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-03-QT4-2025

Tgt Ion:	91	Resp:	41423
Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.4	82.2
134	24.1	12.4	37.4



#90

Hexachloroethane

Concen: 2.180 ug/l

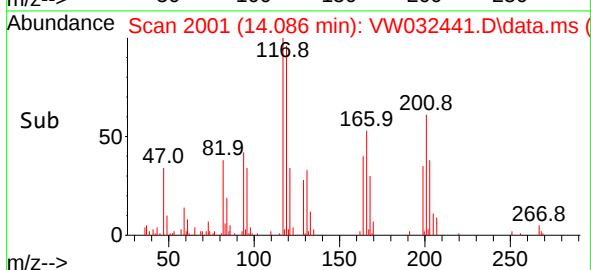
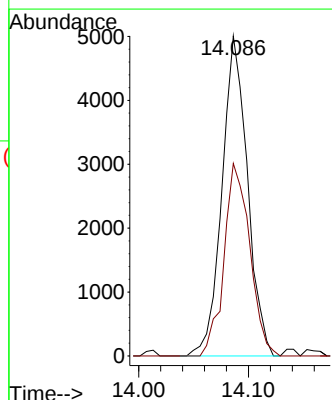
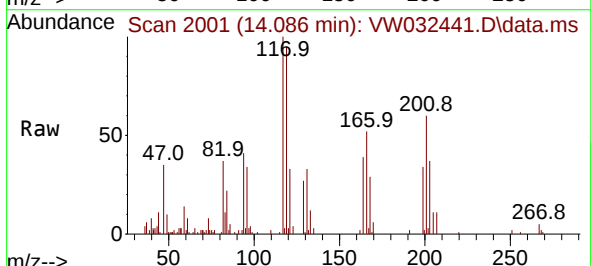
RT: 14.086 min Scan# 2001

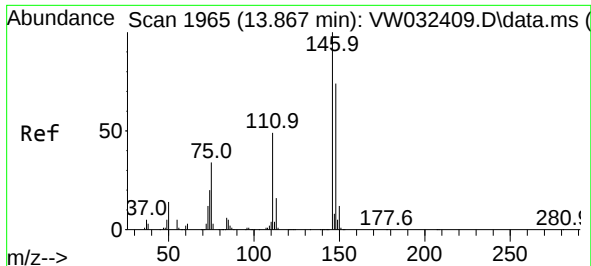
Delta R.T. 0.000 min

Lab File: VW032441.D

Acq: 12 Nov 2025 15:58

Tgt Ion:	117	Resp:	8074
Ion	Ratio	Lower	Upper
117	100		
201	60.9	32.0	96.0

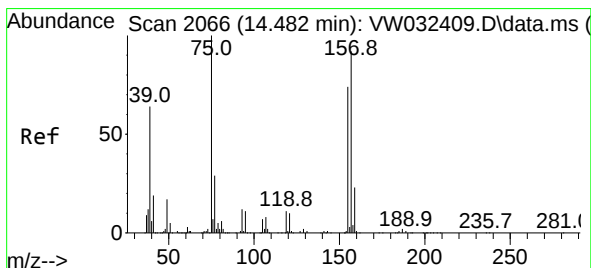
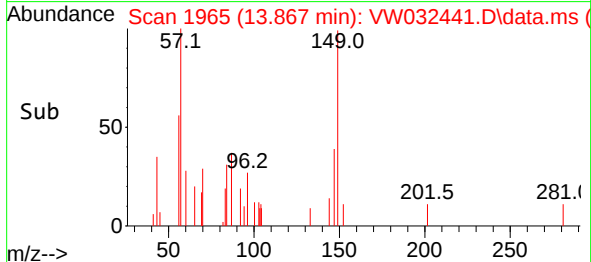
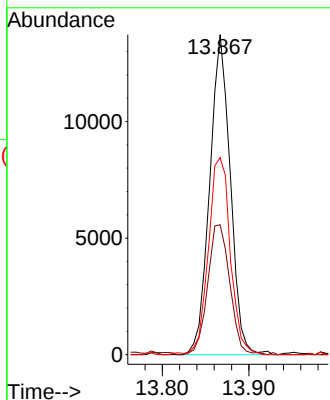
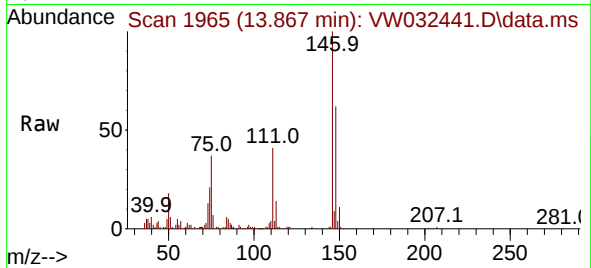




#91
1,2-Dichlorobenzene
Concen: 2.364 ug/l
RT: 13.867 min Scan# 1965
Delta R.T. 0.000 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

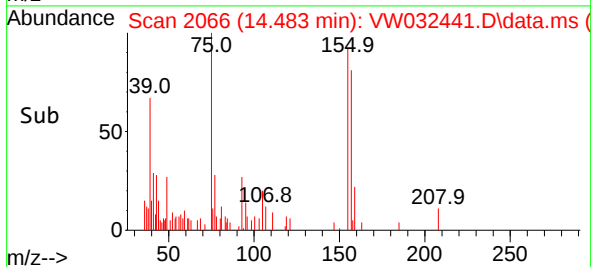
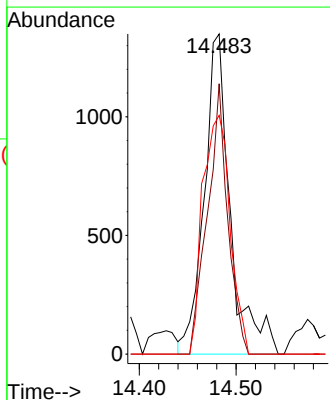
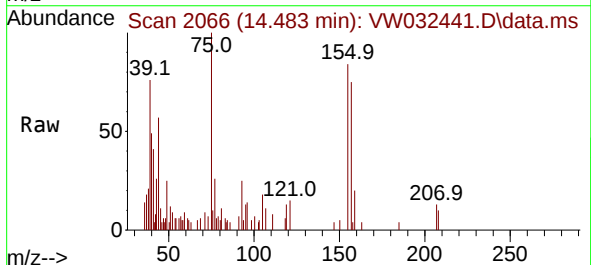
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-03-QT4-2025

Tgt Ion:146 Resp: 22675
Ion Ratio Lower Upper
146 100
111 43.6 23.4 70.2
148 65.7 34.0 101.8



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.658 ug/l
RT: 14.483 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VW032441.D
Acq: 12 Nov 2025 15:58

Tgt Ion: 75 Resp: 2529
Ion Ratio Lower Upper
75 100
155 65.5 36.2 108.6
157 78.1 47.8 143.3





#93

1,2,4-Trichlorobenzene

Concen: 2.168 ug/l

RT: 15.123 min Scan# 2171

Delta R.T. -0.006 min

Lab File: VW032441.D

Acq: 12 Nov 2025 15:58

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-03-QT4-2025

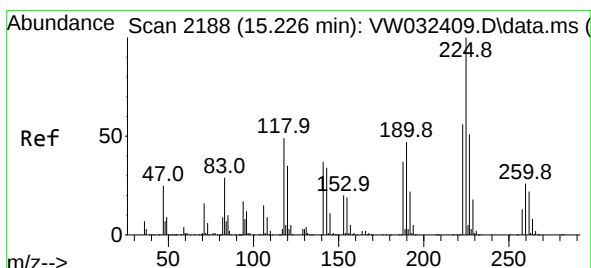
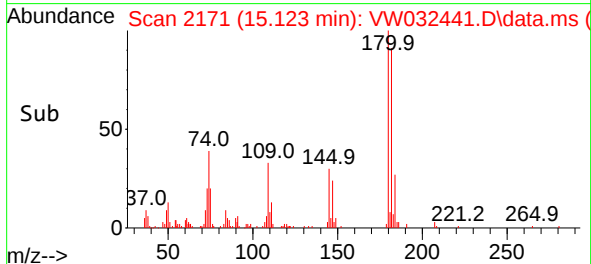
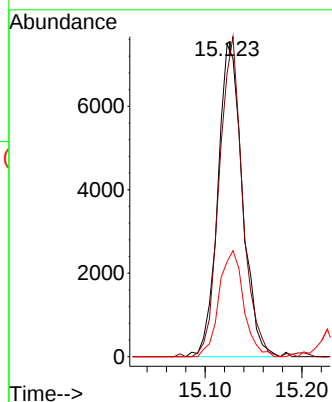
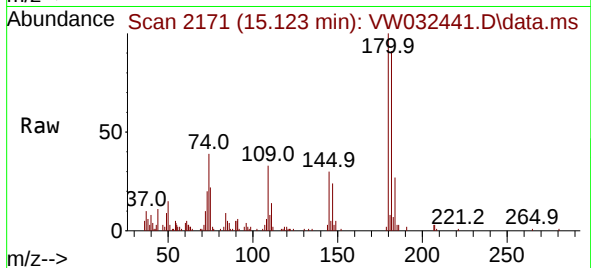
Tgt Ion:180 Resp: 13235

Ion Ratio Lower Upper

180 100

182 96.3 45.3 135.9

145 33.8 16.2 48.5



#94

Hexachlorobutadiene

Concen: 2.379 ug/l

RT: 15.226 min Scan# 2188

Delta R.T. 0.000 min

Lab File: VW032441.D

Acq: 12 Nov 2025 15:58

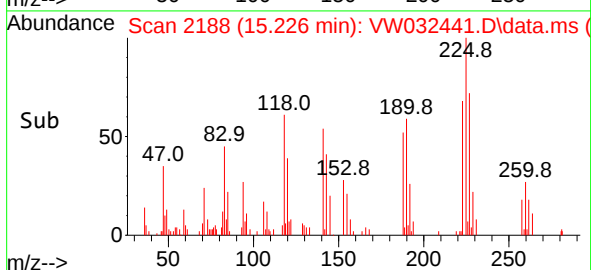
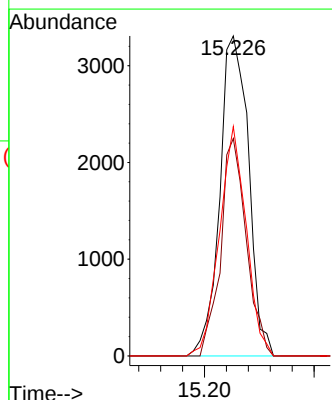
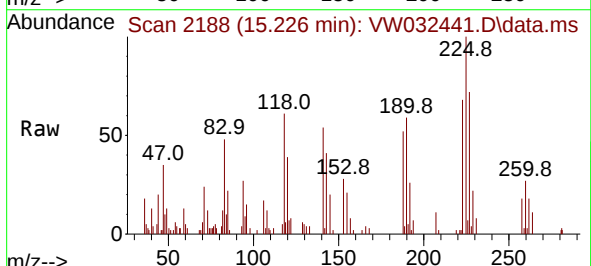
Tgt Ion:225 Resp: 6032

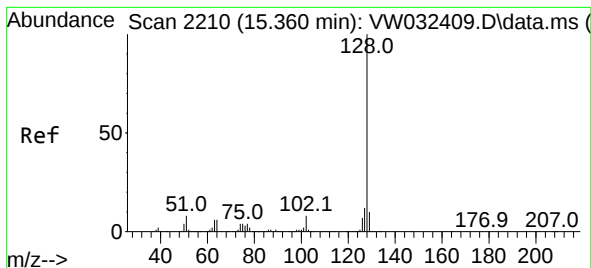
Ion Ratio Lower Upper

225 100

223 60.7 30.6 91.8

227 66.7 29.8 89.4





#95

Naphthalene

Concen: 1.800 ug/l

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW032441.D

Acq: 12 Nov 2025 15:58

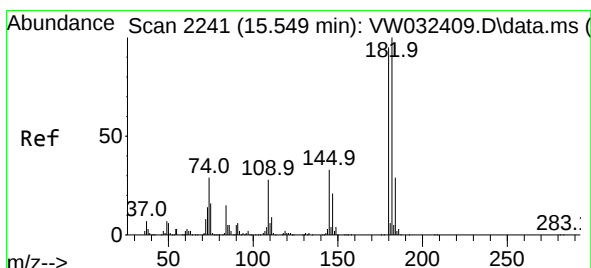
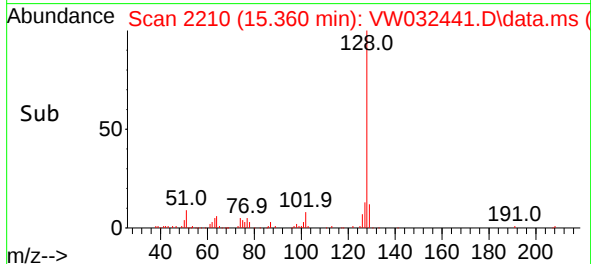
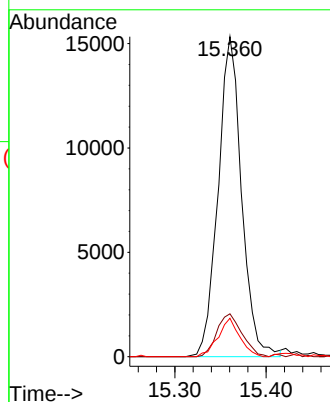
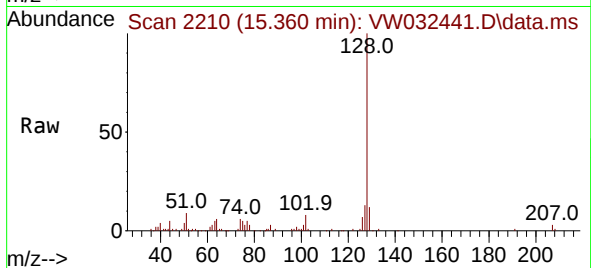
Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-03-QT4-2025

Tgt Ion:	128	Resp:	27405
Ion Ratio	Lower	Upper	
128	100		
127	14.4	10.2	15.4
129	11.1	8.6	12.8



#96

1,2,3-Trichlorobenzene

Concen: 2.223 ug/l

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW032441.D

Acq: 12 Nov 2025 15:58

Tgt Ion:	180	Resp:	12318
Ion Ratio	Lower	Upper	
180	100		
182	93.7	50.3	151.0
145	36.0	17.8	53.3

