

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
 Data File : VW032111.D
 Acq On : 22 Aug 2025 15:24
 Operator : SY/MD
 Sample : Q2983-01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

Quant Time: Aug 25 03:54:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.953	168	192636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	346400	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	328568	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	165571	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	138884	49.850	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	99.700%
35) Dibromofluoromethane	7.898	113	114485	51.158	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	102.320%
50) Toluene-d8	10.325	98	405799	49.026	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	98.060%
62) 4-Bromofluorobenzene	12.617	95	141731	46.465	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	92.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	3765	2.733	ug/l	94
3) Chloromethane	2.253	50	4512	2.431	ug/l #	86
4) Vinyl Chloride	2.405	62	4994	2.225	ug/l	92
5) Bromomethane	2.820	94	4712	2.798	ug/l	99
6) Chloroethane	2.972	64	3474	2.339	ug/l	93
7) Trichlorofluoromethane	3.295	101	3980	2.213	ug/l	100
8) Diethyl Ether	3.722	74	5119	3.474	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.106	101	5987	2.822	ug/l	92
10) Methyl Iodide	4.301	142	8269	2.749	ug/l #	74
11) Tert butyl alcohol	5.222	59	2611	14.473	ug/l #	94
12) 1,1-Dichloroethene	4.076	96	6197	2.653	ug/l	88
13) Acrolein	3.948	56	471	1.639	ug/l #	15
14) Allyl chloride	4.704	41	6882	2.024	ug/l #	81
15) Acrylonitrile	5.411	53	8172	11.645	ug/l	94
16) Acetone	4.161	43	14712	22.808	ug/l	99
17) Carbon Disulfide	4.423	76	12267	1.956	ug/l	97
18) Methyl Acetate	4.710	43	6098	2.988	ug/l	94
19) Methyl tert-butyl Ether	5.460	73	9679	2.351	ug/l	97
20) Methylene Chloride	4.948	84	21667	7.265	ug/l	94
21) trans-1,2-Dichloroethene	5.454	96	5987	2.415	ug/l	90
22) Diisopropyl ether	6.344	45	14834	2.070	ug/l #	91
23) Vinyl Acetate	6.277	43	43597	9.264	ug/l	96
24) 1,1-Dichloroethane	6.246	63	10925	2.386	ug/l #	92
25) 2-Butanone	7.197	43	10506	11.460	ug/l	98
26) 2,2-Dichloropropane	7.179	77	6196	2.697	ug/l	99
27) cis-1,2-Dichloroethene	7.179	96	6999	2.415	ug/l	98
28) Bromochloromethane	7.526	49	5135	2.464	ug/l	92
29) Tetrahydrofuran	7.551	42	6528	10.797	ug/l	96
30) Chloroform	7.685	83	12839	2.644	ug/l #	81
31) Cyclohexane	7.965	56	12334	3.106	ug/l #	80
32) 1,1,1-Trichloroethane	7.880	97	8796	2.494	ug/l	98
36) 1,1-Dichloropropene	8.100	75	7727	2.449	ug/l	95
37) Ethyl Acetate	7.276	43	4112	2.213	ug/l #	87
38) Carbon Tetrachloride	8.081	117	8518	2.798	ug/l	96
39) Methylcyclohexane	9.343	83	8918	2.319	ug/l	92
40) Benzene	8.331	78	24243	2.472	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	2813	2.670	ug/l #	90
42) 1,2-Dichloroethane	8.410	62	9107	2.902	ug/l	98
43) Isopropyl Acetate	8.441	43	8195	2.397	ug/l #	91
44) Trichloroethene	9.105	130	6279	2.689	ug/l	90
45) 1,2-Dichloropropane	9.374	63	5877	2.481	ug/l	98
46) Dibromomethane	9.465	93	4291	2.806	ug/l	95
47) Bromodichloromethane	9.648	83	9206	2.613	ug/l #	89
48) Methyl methacrylate	9.441	41	4093	2.480	ug/l	90
49) 1,4-Dioxane	9.453	88	245	12.393	ug/l #	1
51) 4-Methyl-2-Pentanone	10.215	43	21718	11.256	ug/l	99
52) Toluene	10.386	92	15710	2.543	ug/l	96
53) t-1,3-Dichloropropene	10.605	75	7287	2.208	ug/l	97
54) cis-1,3-Dichloropropene	10.075	75	8541	2.281	ug/l	88
55) 1,1,2-Trichloroethane	10.782	97	5471	2.693	ug/l	92
56) Ethyl methacrylate	10.648	69	5790	2.129	ug/l	97
57) 1,3-Dichloropropane	10.934	76	8862	2.502	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.928	63	14666	9.752	ug/l	92
59) 2-Hexanone	10.971	43	15979	11.958	ug/l	96
60) Dibromochloromethane	11.129	129	5709	2.460	ug/l	92
61) 1,2-Dibromoethane	11.239	107	5368	2.719	ug/l	98
64) Tetrachloroethene	10.861	164	5496	2.896	ug/l	88
65) Chlorobenzene	11.660	112	18338	2.564	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.727	131	5716	2.562	ug/l	96
67) Ethyl Benzene	11.727	91	27071	2.235	ug/l	96
68) m/p-Xylenes	11.837	106	20175	4.316	ug/l	98
69) o-Xylene	12.166	106	9291	2.150	ug/l	99
70) Styrene	12.178	104	16246	2.117	ug/l	99
71) Bromoform	12.349	173	3698	2.897	ug/l #	91
73) Isopropylbenzene	12.465	105	23687	2.047	ug/l	97
74) N-amyl acetate	12.276	43	6492	1.956	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.715	83	6876	2.503	ug/l	97
76) 1,2,3-Trichloropropane	12.763	75	8418	3.746	ug/l	53
77) Bromobenzene	12.745	156	7062	2.555	ug/l	91
78) n-propylbenzene	12.800	91	31574	2.216	ug/l	99
79) 2-Chlorotoluene	12.885	91	19315	2.197	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	19653	2.001	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.617	75	78630	90.587	ug/l #	9
82) 4-Chlorotoluene	12.983	91	20690	2.215	ug/l	96
83) tert-Butylbenzene	13.202	119	17546	2.152	ug/l	97
84) 1,2,4-Trimethylbenzene	13.245	105	21308	2.131	ug/l	97
85) sec-Butylbenzene	13.379	105	26511	2.151	ug/l	99
86) p-Isopropyltoluene	13.495	119	21619	2.104	ug/l	97
87) 1,3-Dichlorobenzene	13.501	146	14098	2.564	ug/l	95
88) 1,4-Dichlorobenzene	13.574	146	16150	2.906	ug/l	93
89) n-Butylbenzene	13.818	91	21772	2.181	ug/l	97
90) Hexachloroethane	14.086	117	4813	2.561	ug/l	94
91) 1,2-Dichlorobenzene	13.867	146	13264	2.663	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.470	75	1364	2.793	ug/l	94
93) 1,2,4-Trichlorobenzene	15.129	180	8008	2.687	ug/l	99
94) Hexachlorobutadiene	15.226	225	4208	3.159	ug/l	94
95) Naphthalene	15.360	128	16343	2.238	ug/l	95
96) 1,2,3-Trichlorobenzene	15.555	180	7332	2.704	ug/l	90

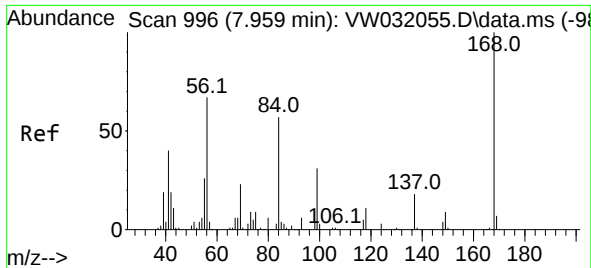
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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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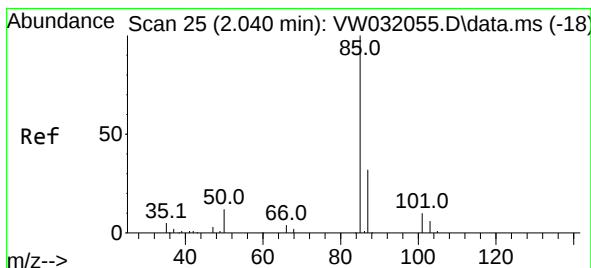
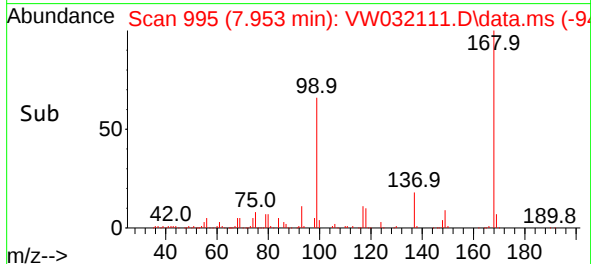
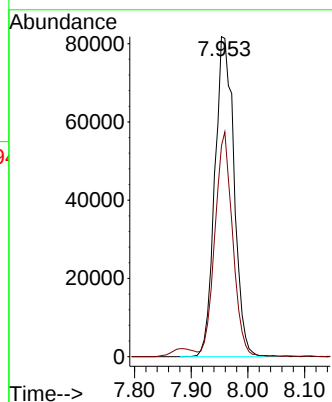
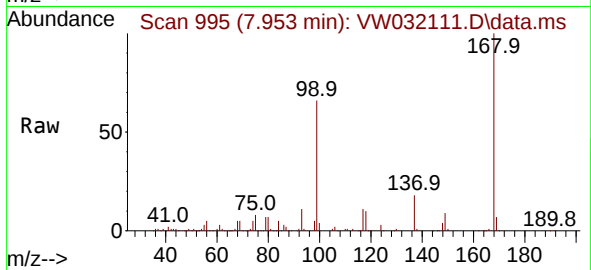
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#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.953 min Scan# 99
Delta R.T. -0.006 min
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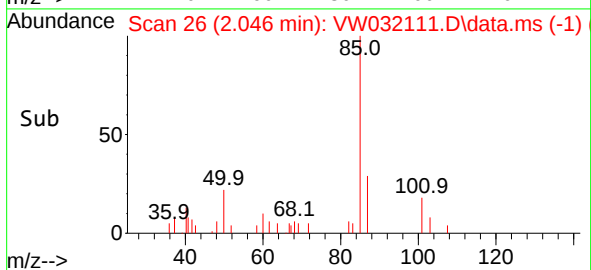
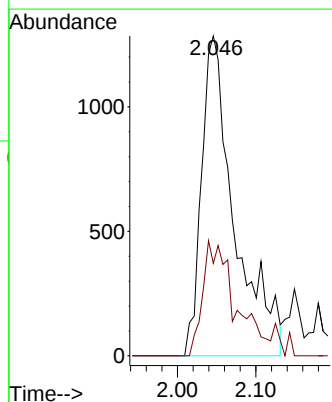
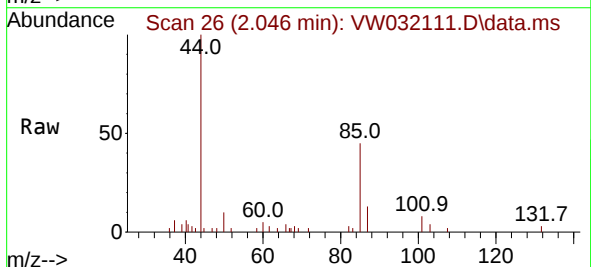
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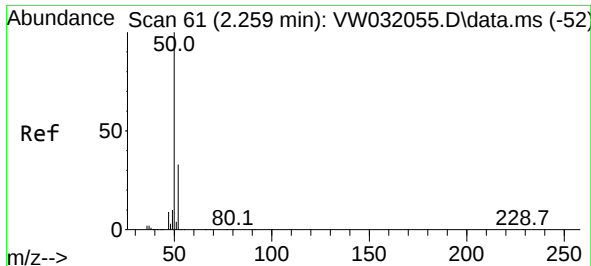
Tgt Ion:168 Resp: 192636
Ion Ratio Lower Upper
168 100
99 65.8 56.0 84.0



#2
Dichlorodifluoromethane
Concen: 2.733 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

Tgt Ion: 85 Resp: 3765
Ion Ratio Lower Upper
85 100
87 28.9 16.2 48.6

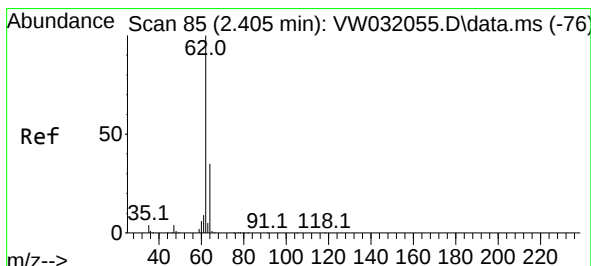
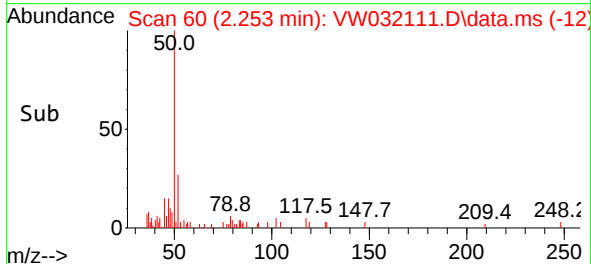
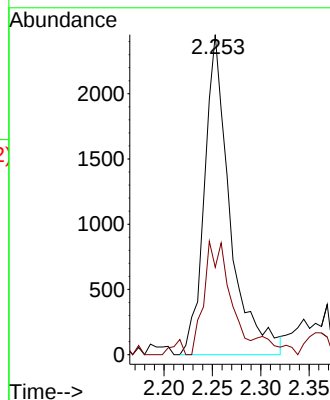
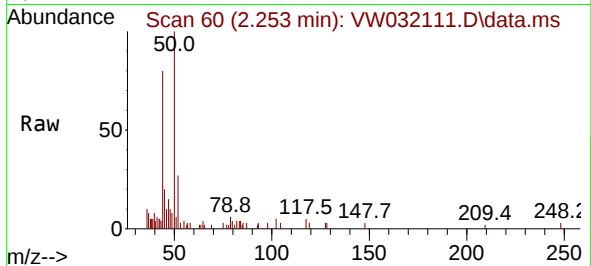




#3
Chloromethane
Concen: 2.431 ug/l
RT: 2.253 min Scan# 60
Delta R.T. -0.006 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

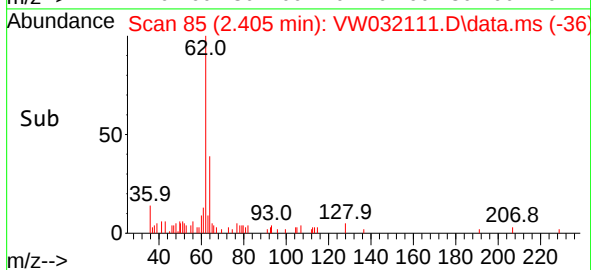
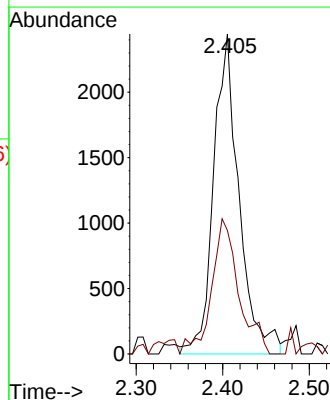
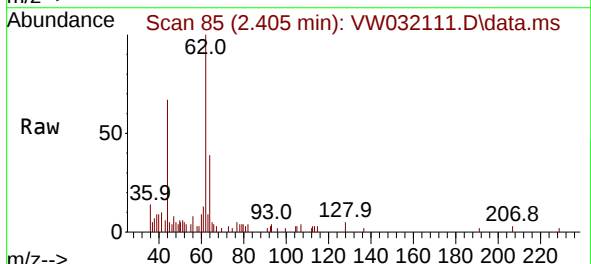
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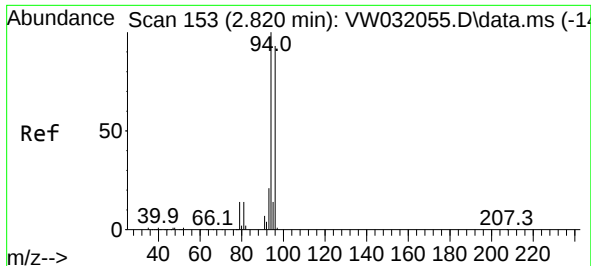
Tgt Ion: 50 Resp: 4512
Ion Ratio Lower Upper
50 100
52 25.0 26.6 39.8#



#4
Vinyl Chloride
Concen: 2.225 ug/l
RT: 2.405 min Scan# 85
Delta R.T. 0.000 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

Tgt Ion: 62 Resp: 4994
Ion Ratio Lower Upper
62 100
64 39.5 27.8 41.6

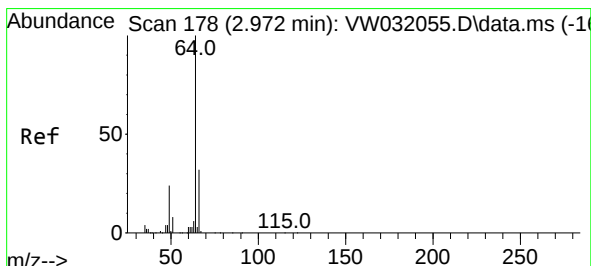
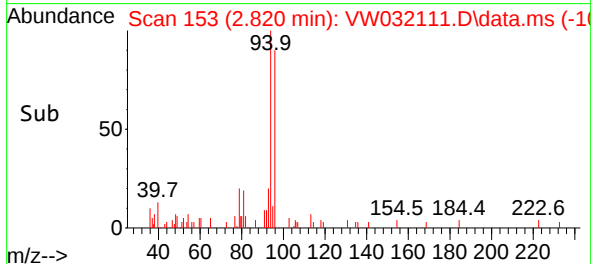
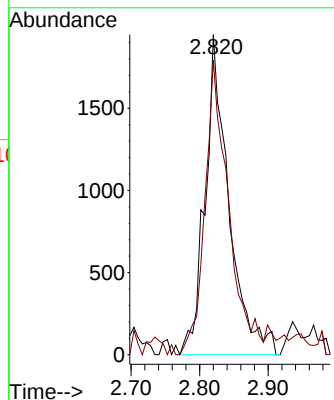
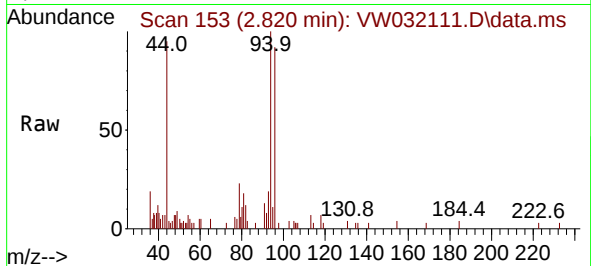




#5
Bromomethane
Concen: 2.798 ug/l
RT: 2.820 min Scan# 153
Delta R.T. 0.000 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

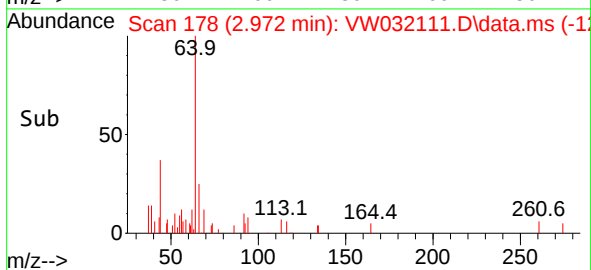
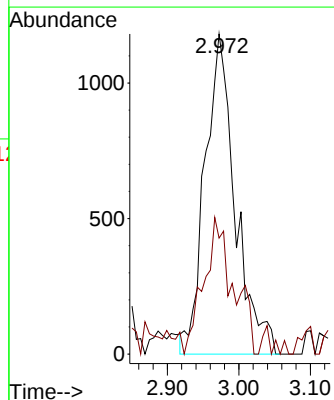
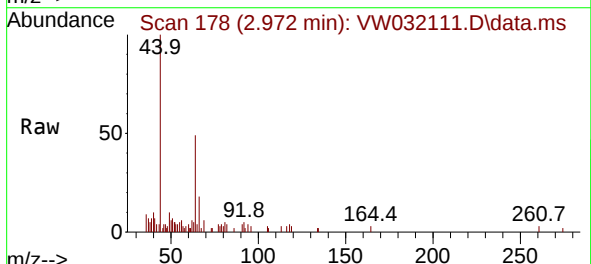
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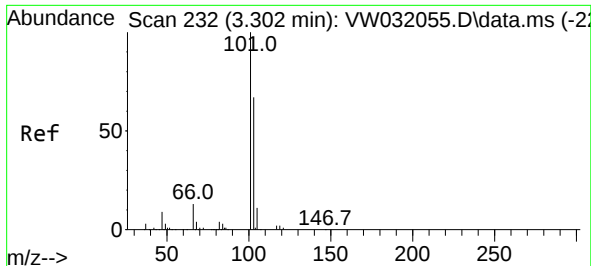
Tgt Ion: 94 Resp: 4712
Ion Ratio Lower Upper
94 100
96 92.0 74.7 112.1



#6
Chloroethane
Concen: 2.339 ug/l
RT: 2.972 min Scan# 178
Delta R.T. 0.000 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

Tgt Ion: 64 Resp: 3474
Ion Ratio Lower Upper
64 100
66 36.2 26.0 39.0

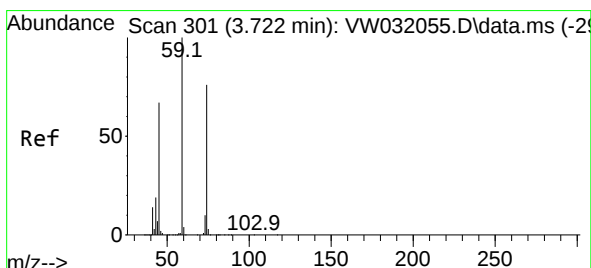
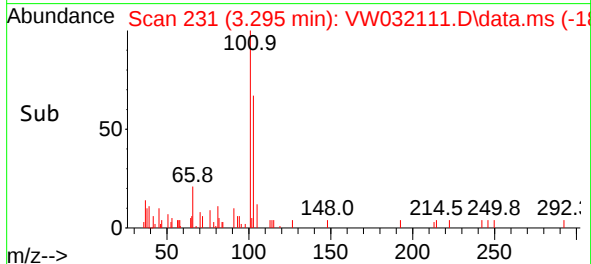
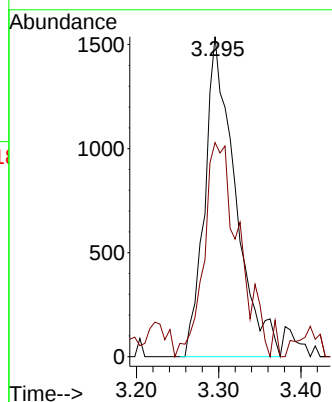
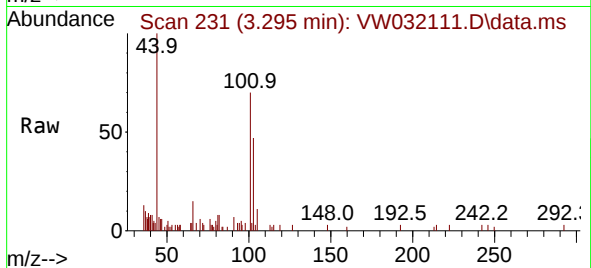




#7
 Trichlorofluoromethane
 Concen: 2.213 ug/l
 RT: 3.295 min Scan# 211
 Delta R.T. -0.006 min
 Lab File: VW032111.D
 Acq: 22 Aug 2025 15:24

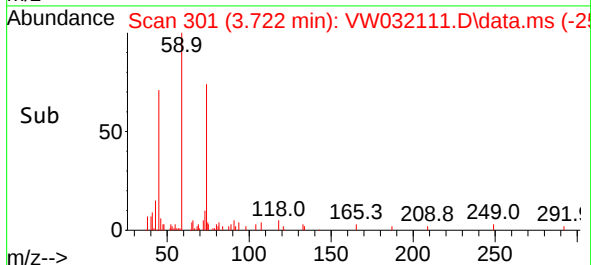
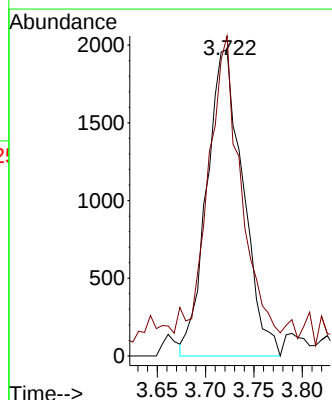
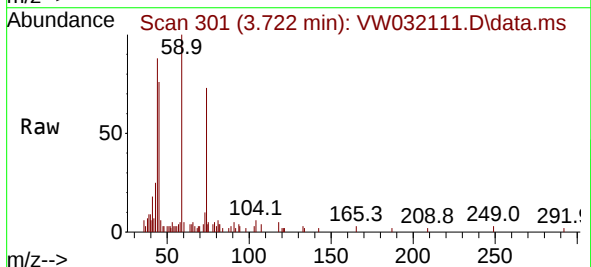
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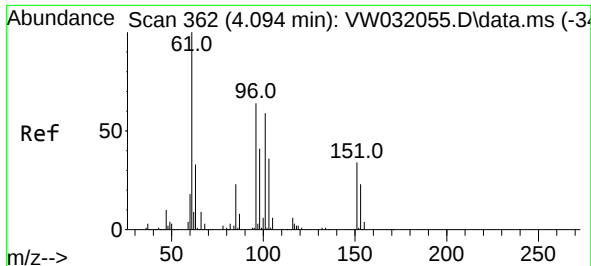
Tgt Ion:101 Resp: 3980
 Ion Ratio Lower Upper
 101 100
 103 66.9 53.4 80.0



#8
 Diethyl Ether
 Concen: 3.474 ug/l
 RT: 3.722 min Scan# 301
 Delta R.T. 0.000 min
 Lab File: VW032111.D
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Tgt Ion: 74 Resp: 5119
 Ion Ratio Lower Upper
 74 100
 45 87.3 45.4 136.2

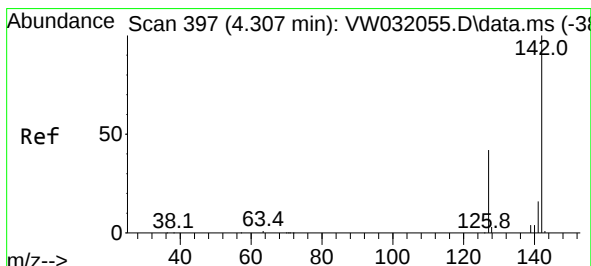
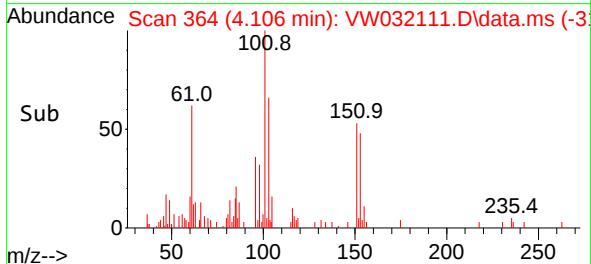
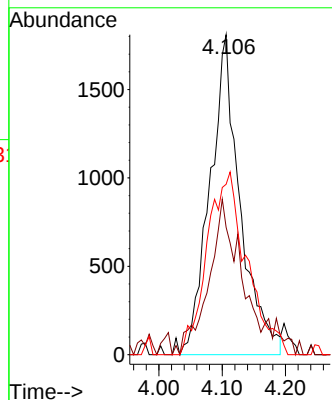
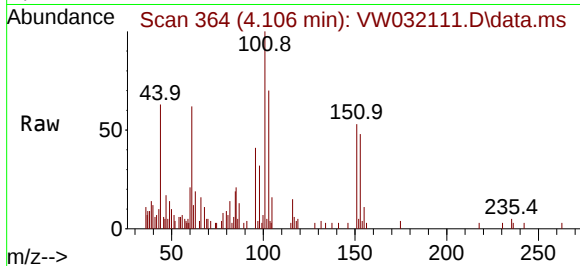




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.822 ug/l
RT: 4.106 min Scan# 30
Delta R.T. 0.012 min
Lab File: VW032111.D
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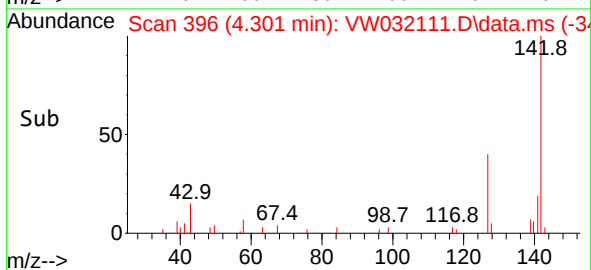
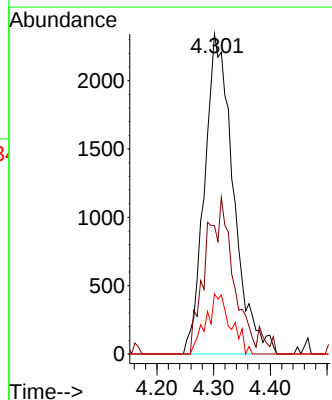
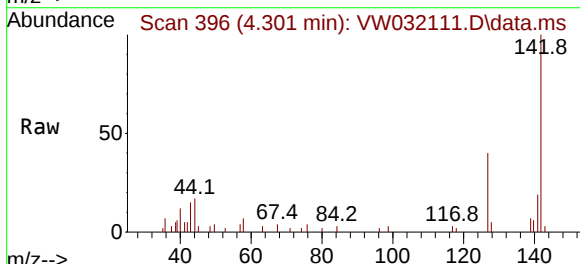
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

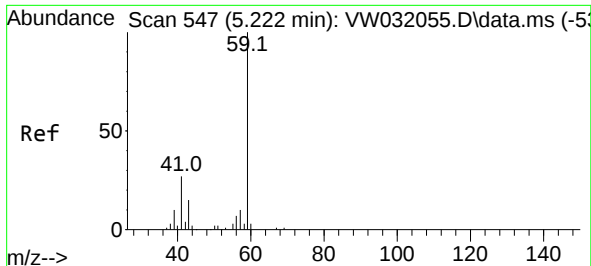
Tgt Ion:	101	Resp:	5987
Ion	Ratio	Lower	Upper
101	100		
85	50.5	34.9	52.3
151	75.2	56.2	84.4



#10
Methyl Iodide
Concen: 2.749 ug/l
RT: 4.301 min Scan# 396
Delta R.T. -0.006 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

Tgt Ion:	142	Resp:	8269
Ion	Ratio	Lower	Upper
142	100		
127	23.3	36.6	55.0#
141	16.2	12.1	18.1

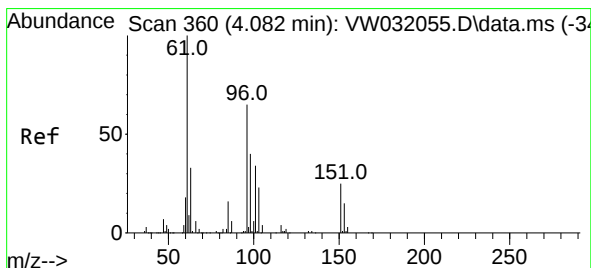
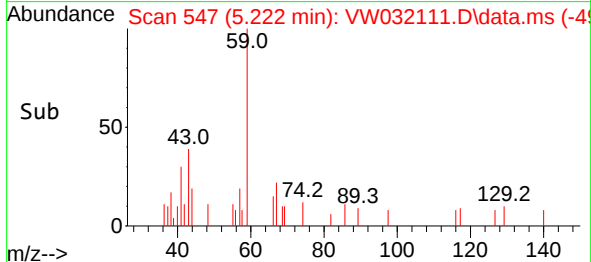
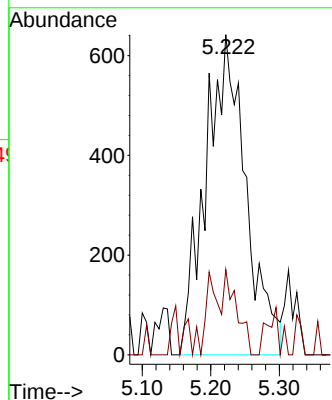
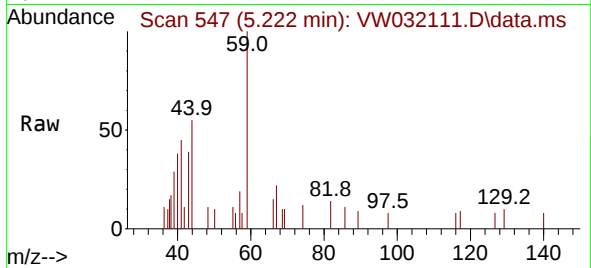




#11
Tert butyl alcohol
Concen: 14.473 ug/l
RT: 5.222 min Scan# 547
Delta R.T. 0.000 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

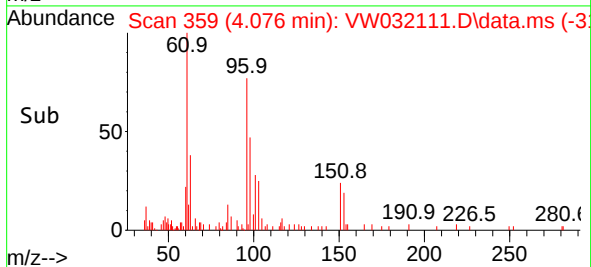
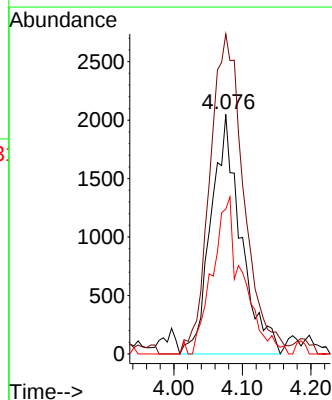
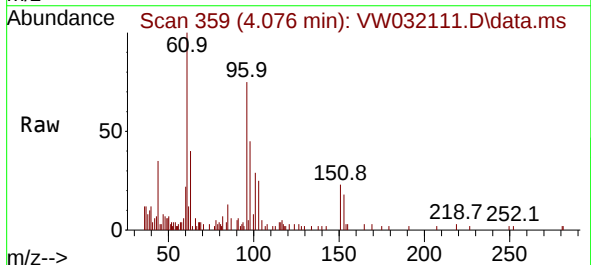
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

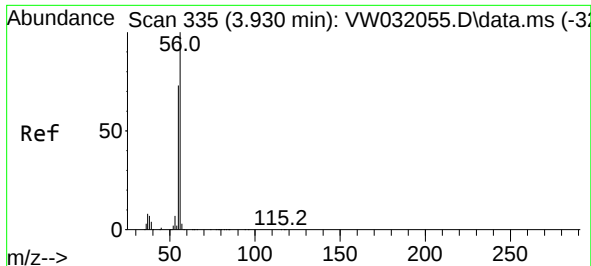
Tgt Ion: 59 Resp: 2611
Ion Ratio Lower Upper
59 100
57 8.5 8.7 13.1#



#12
1,1-Dichloroethene
Concen: 2.653 ug/l
RT: 4.076 min Scan# 359
Delta R.T. -0.006 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

Tgt Ion: 96 Resp: 6197
Ion Ratio Lower Upper
96 100
61 133.6 123.4 185.2
98 60.5 49.5 74.3

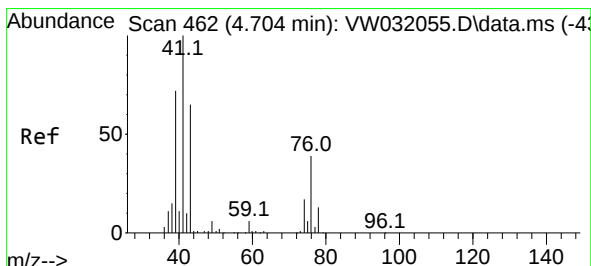
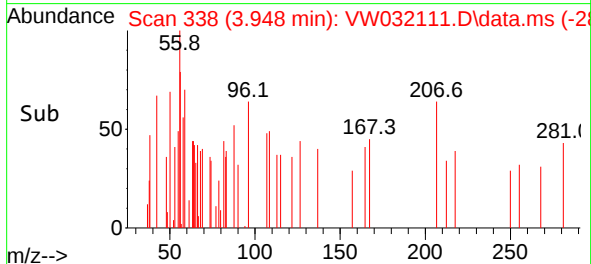
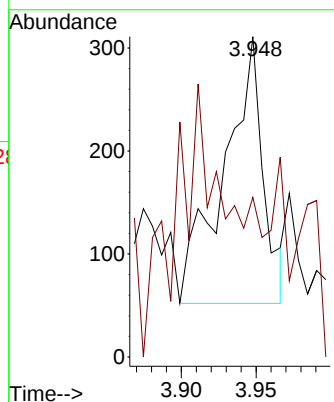
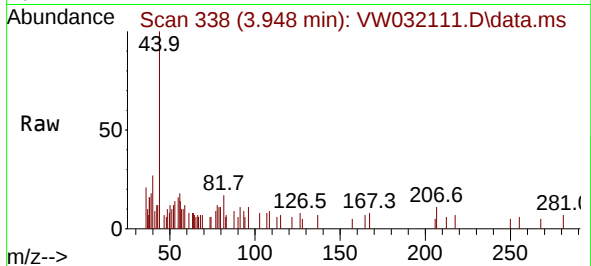




#13
Acrolein
Concen: 1.639 ug/l
RT: 3.948 min Scan# 311
Delta R.T. 0.018 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

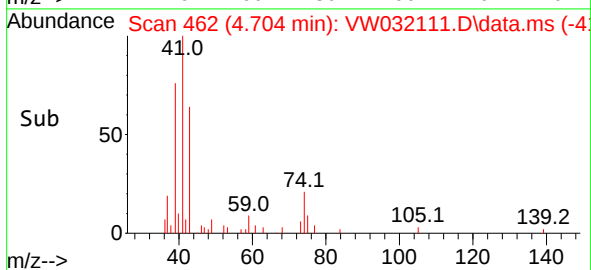
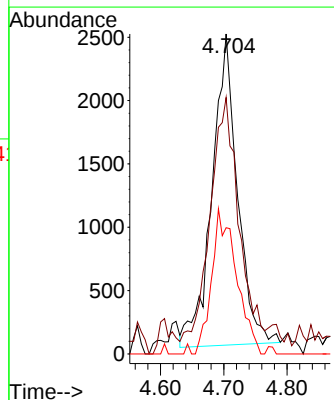
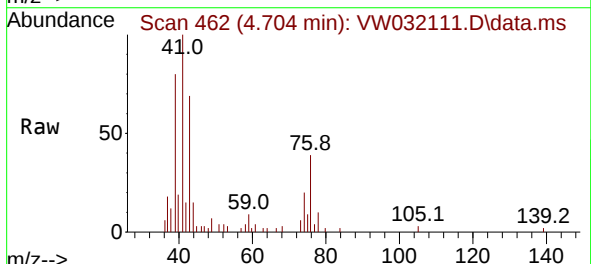
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

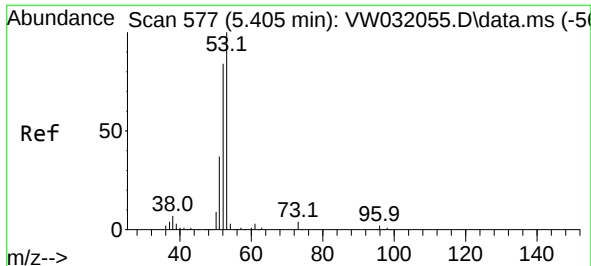
Tgt Ion: 56 Resp: 471
Ion Ratio Lower Upper
56 100
55 0.0 55.4 83.2#



#14
Allyl chloride
Concen: 2.024 ug/l
RT: 4.704 min Scan# 462
Delta R.T. 0.000 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

Tgt Ion: 41 Resp: 6882
Ion Ratio Lower Upper
41 100
39 85.8 54.5 81.7#
76 45.3 29.3 43.9#

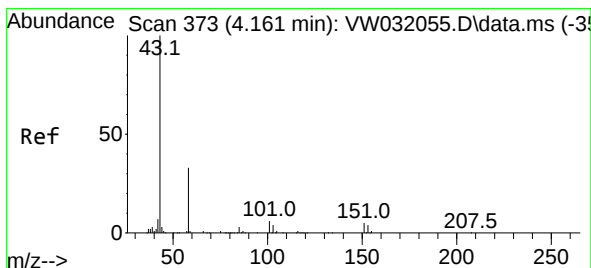
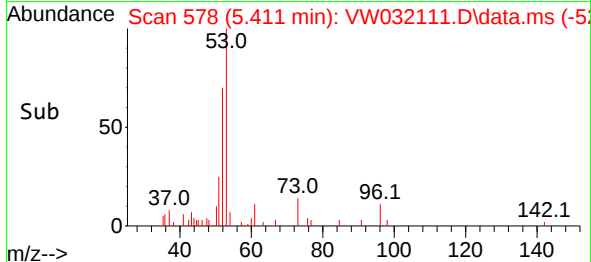
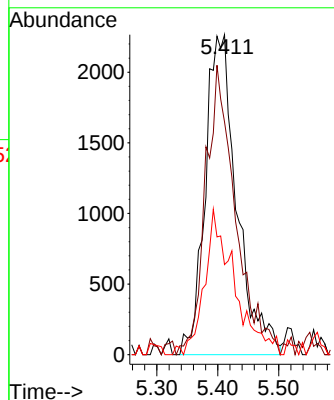
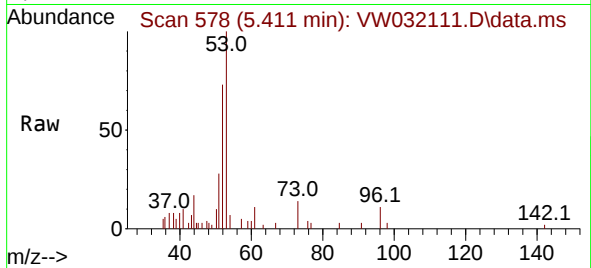




#15
Acrylonitrile
Concen: 11.645 ug/l
RT: 5.411 min Scan# 511
Delta R.T. 0.006 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

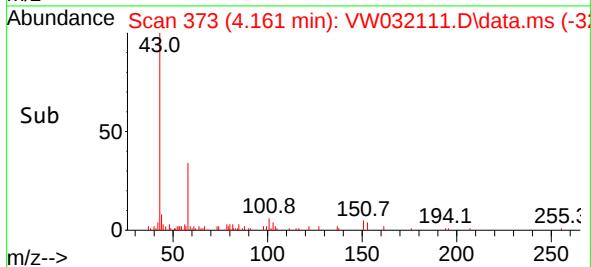
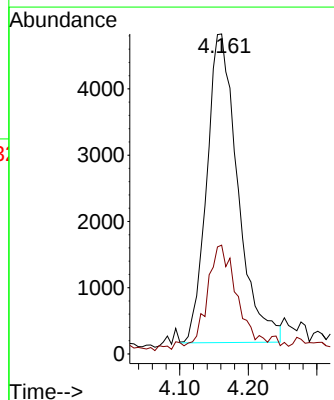
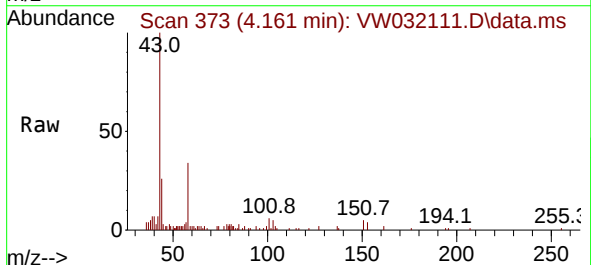
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

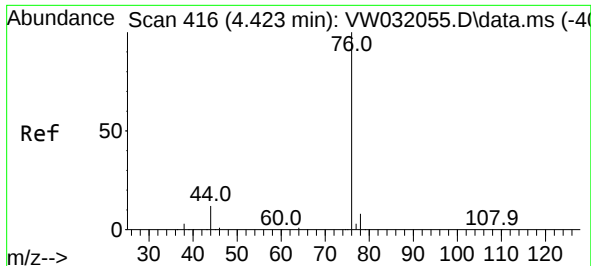
Tgt Ion:	53	Resp:	8172
Ion	Ratio	Lower	Upper
53	100		
52	85.5	66.1	99.1
51	43.0	29.2	43.8



#16
Acetone
Concen: 22.808 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.000 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

Tgt Ion:	43	Resp:	14712
Ion	Ratio	Lower	Upper
43	100		
58	32.6	26.6	39.8

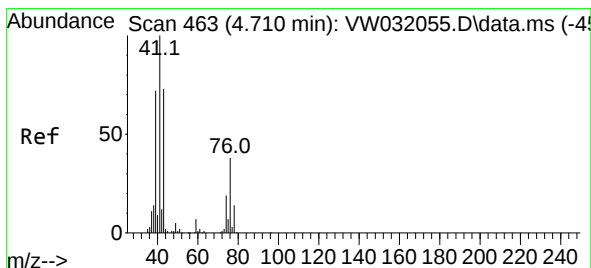
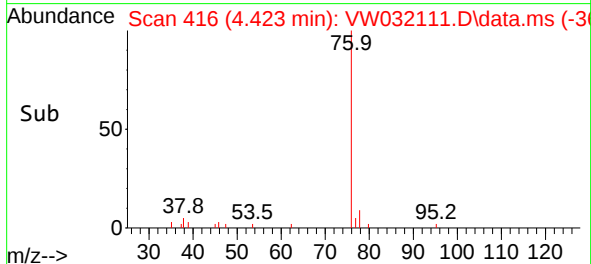
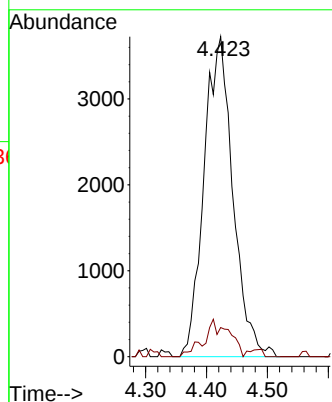
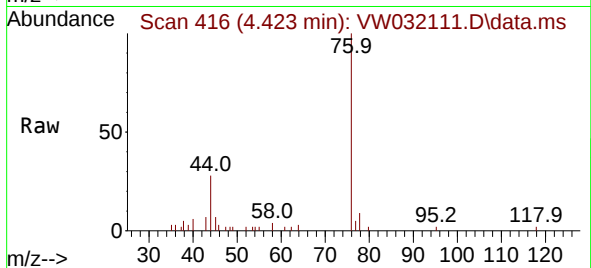




#17
Carbon Disulfide
Concen: 1.956 ug/l
RT: 4.423 min Scan# 416
Delta R.T. 0.000 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

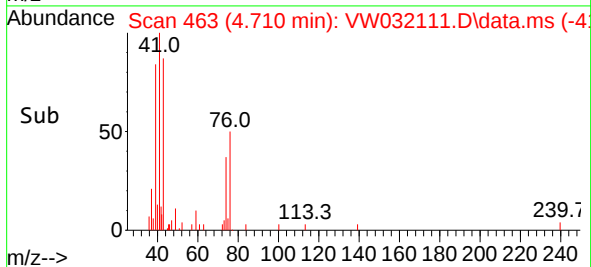
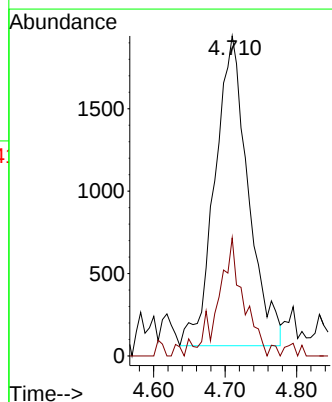
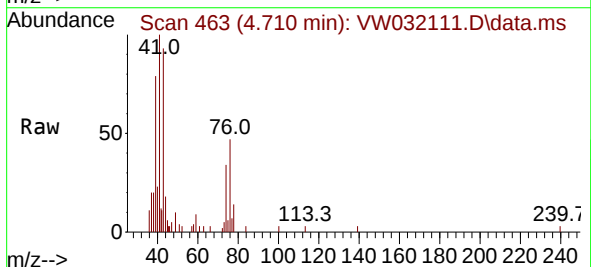
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

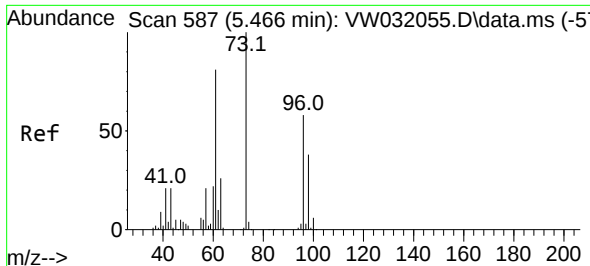
Tgt Ion: 76 Resp: 12267
Ion Ratio Lower Upper
76 100
78 9.1 6.4 9.6



#18
Methyl Acetate
Concen: 2.988 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

Tgt Ion: 43 Resp: 6098
Ion Ratio Lower Upper
43 100
74 29.1 20.6 31.0

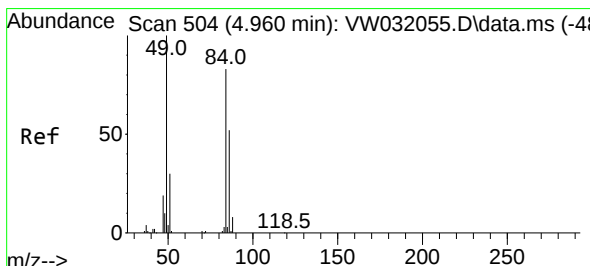
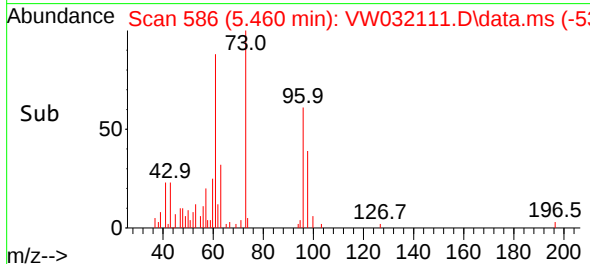
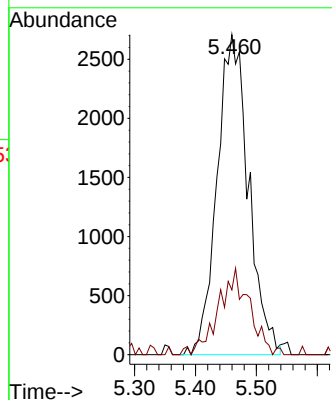
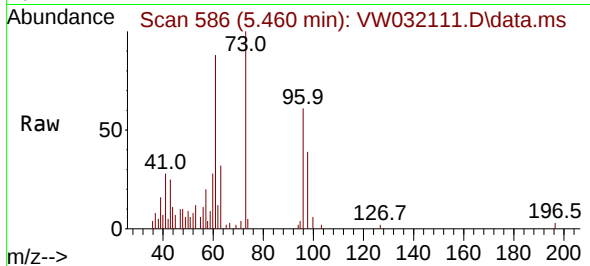




#19
Methyl tert-butyl Ether
Concen: 2.351 ug/l
RT: 5.460 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

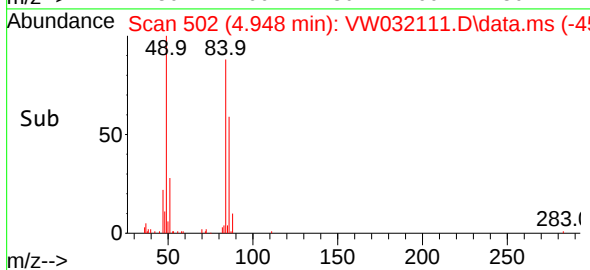
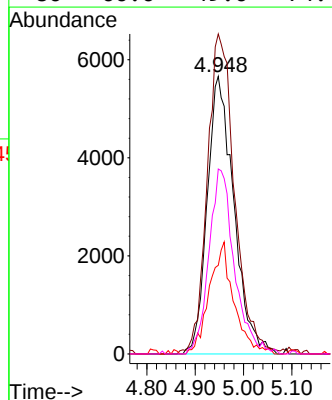
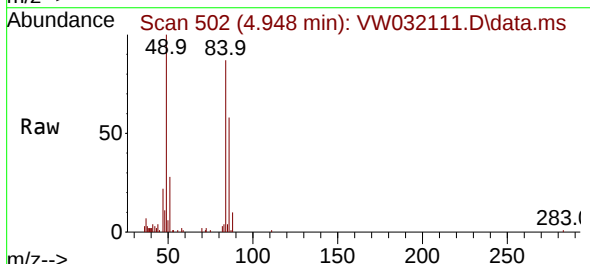
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

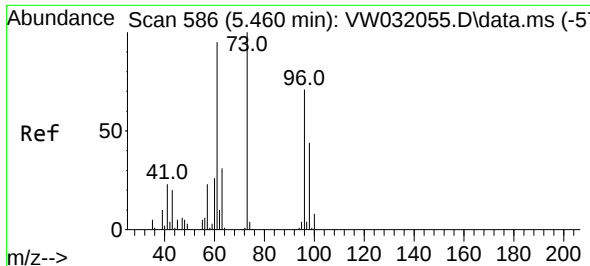
Tgt Ion: 73 Resp: 9679
Ion Ratio Lower Upper
73 100
57 20.2 17.2 25.8



#20
Methylene Chloride
Concen: 7.265 ug/l
RT: 4.948 min Scan# 502
Delta R.T. -0.012 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

Tgt Ion: 84 Resp: 21667
Ion Ratio Lower Upper
84 100
49 114.2 95.9 143.9
51 32.0 28.6 43.0
86 66.6 49.6 74.4

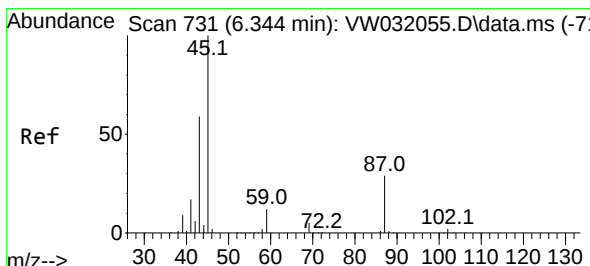
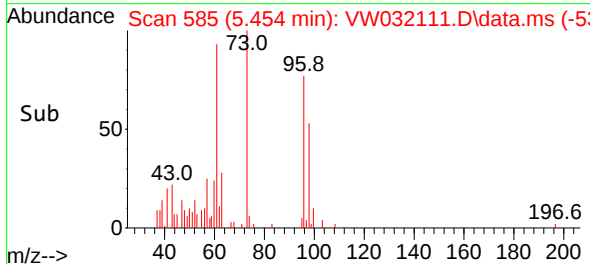
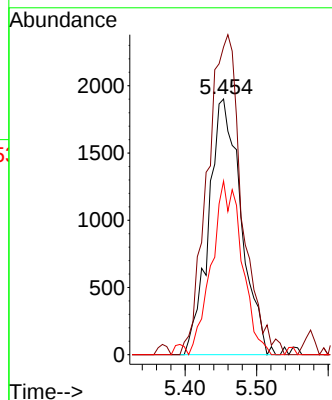
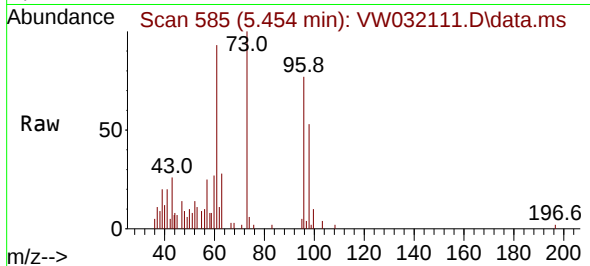




#21
trans-1,2-Dichloroethene
Concen: 2.415 ug/l
RT: 5.454 min Scan# 586
Delta R.T. -0.006 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

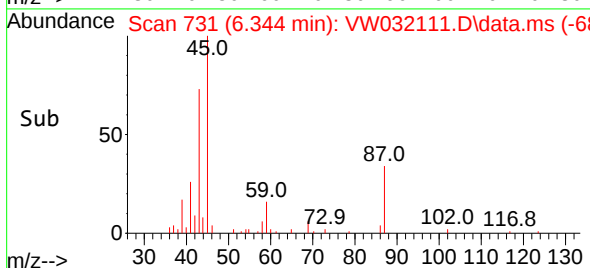
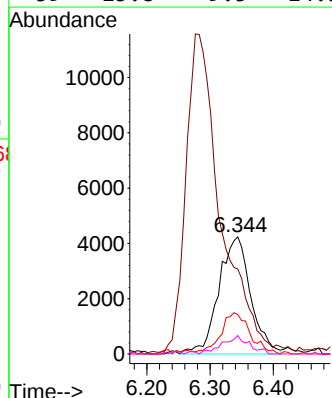
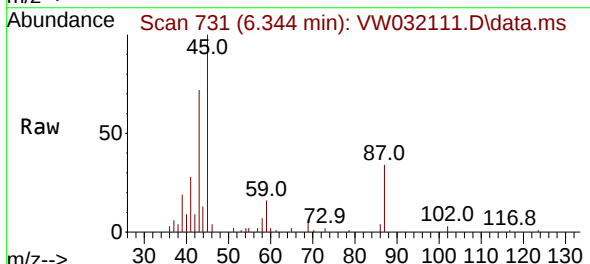
Instrument : MSVOA_W
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

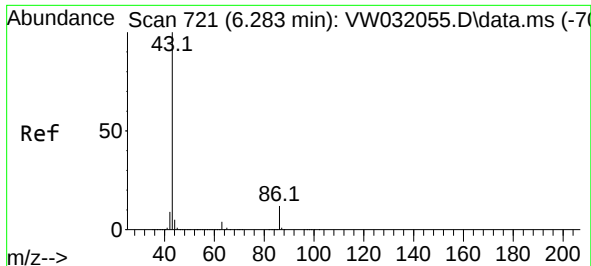
Tgt Ion: 96 Resp: 5987
Ion Ratio Lower Upper
96 100
61 120.3 106.8 160.2
98 67.9 49.6 74.4



#22
Diisopropyl ether
Concen: 2.070 ug/l
RT: 6.344 min Scan# 731
Delta R.T. 0.000 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

Tgt Ion: 45 Resp: 14834
Ion Ratio Lower Upper
45 100
43 65.9 47.0 70.4
87 33.6 23.8 35.8
59 15.8 9.5 14.3

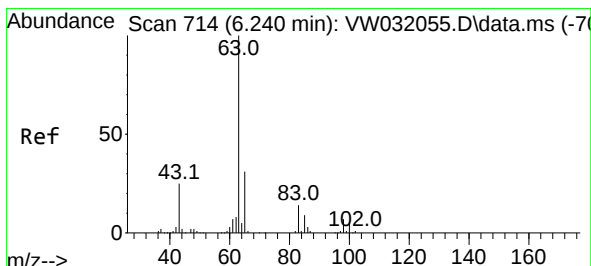
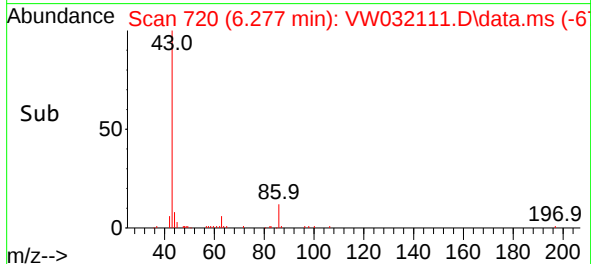
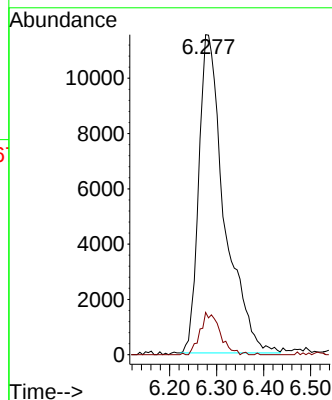
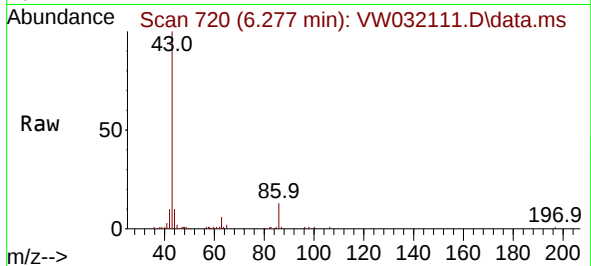




#23
 Vinyl Acetate
 Concen: 9.264 ug/l
 RT: 6.277 min Scan# 714
 Delta R.T. -0.006 min
 Lab File: VW032111.D
 Acq: 22 Aug 2025 15:24

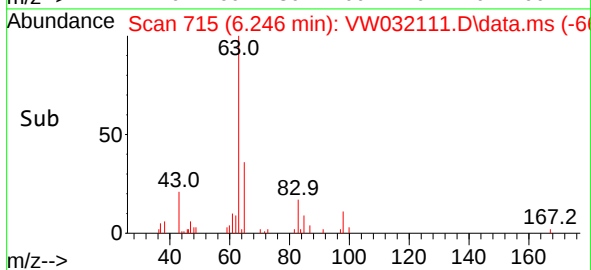
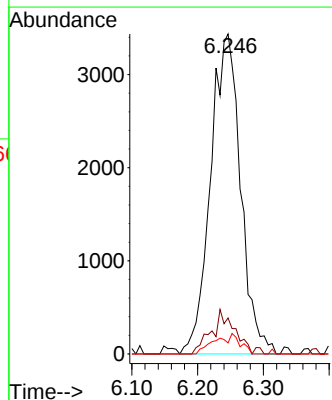
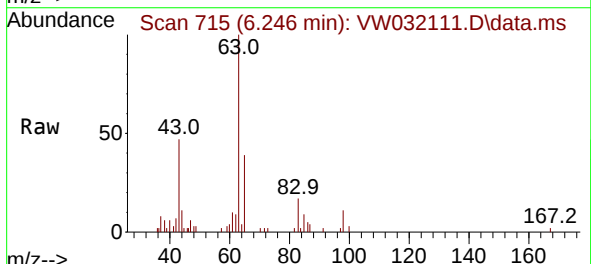
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

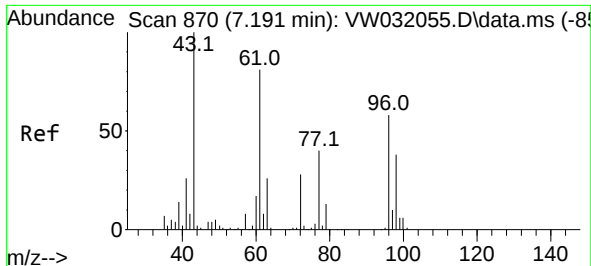
Tgt Ion: 43 Resp: 43597
 Ion Ratio Lower Upper
 43 100
 86 13.3 9.4 14.0



#24
 1,1-Dichloroethane
 Concen: 2.386 ug/l
 RT: 6.246 min Scan# 715
 Delta R.T. 0.006 min
 Lab File: VW032111.D
 Acq: 22 Aug 2025 15:24

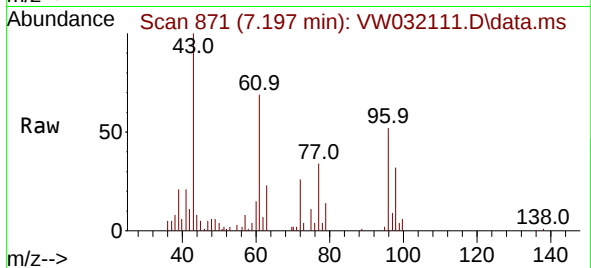
Tgt Ion: 63 Resp: 10925
 Ion Ratio Lower Upper
 63 100
 98 11.2 3.7 11.1#
 100 3.5 2.5 7.4



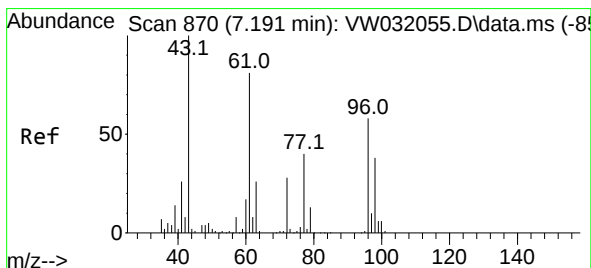
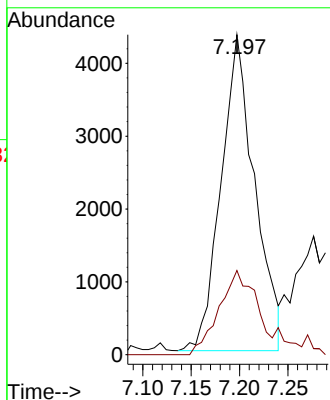
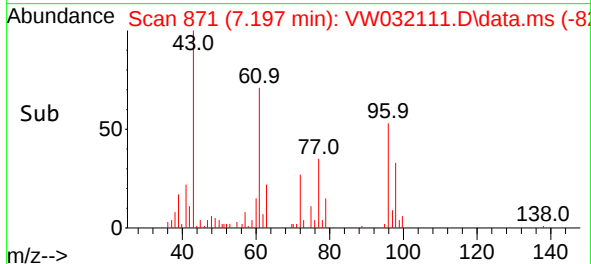


#25
2-Butanone
Concen: 11.460 ug/l
RT: 7.197 min Scan# 81
Delta R.T. 0.006 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

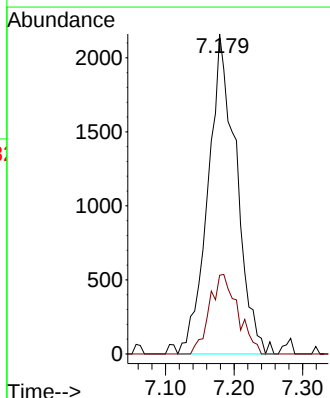
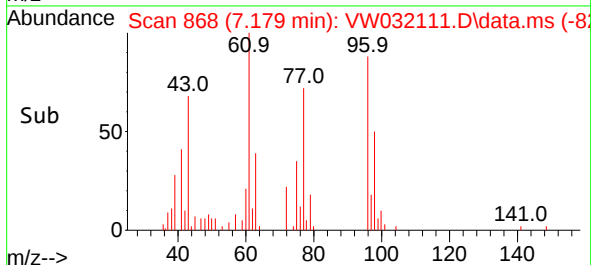
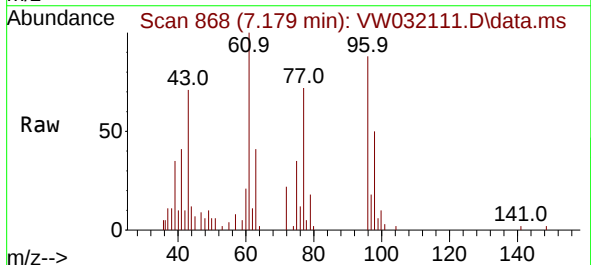


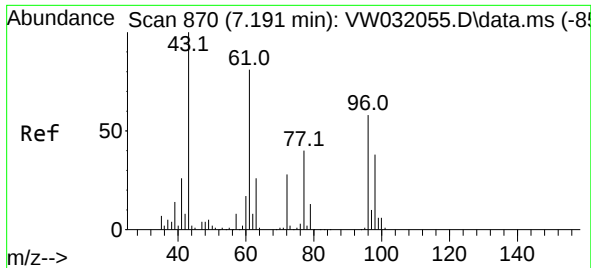
Tgt Ion: 43 Resp: 10506
Ion Ratio Lower Upper
43 100
72 26.6 22.3 33.5



#26
2,2-Dichloropropane
Concen: 2.697 ug/l
RT: 7.179 min Scan# 868
Delta R.T. -0.012 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

Tgt Ion: 77 Resp: 6196
Ion Ratio Lower Upper
77 100
97 24.9 12.3 36.9

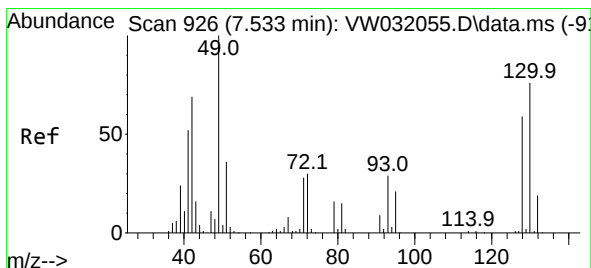
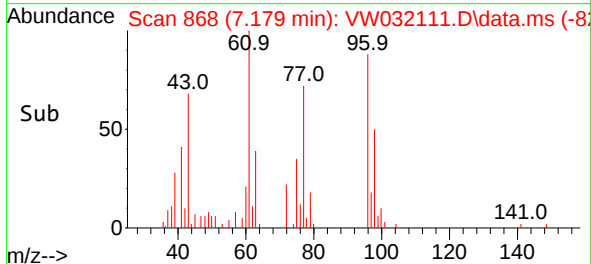
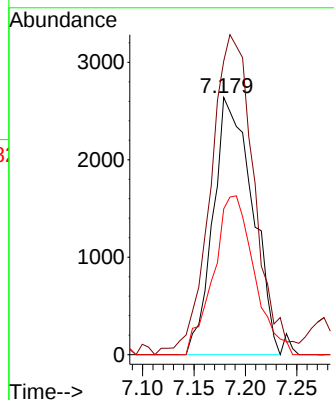
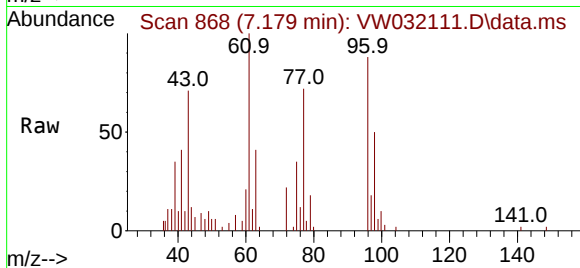




#27
 cis-1,2-Dichloroethene
 Concen: 2.415 ug/l
 RT: 7.179 min Scan# 868
 Delta R.T. -0.012 min
 Lab File: VW032111.D
 Acq: 22 Aug 2025 15:24

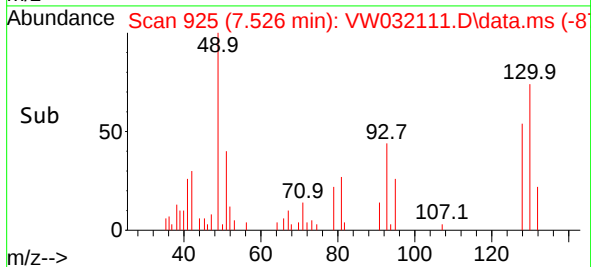
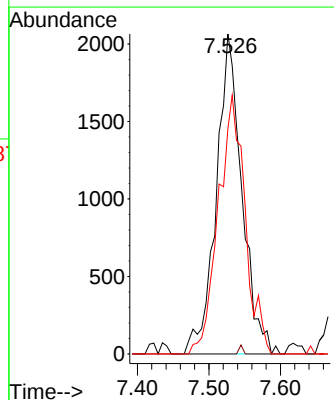
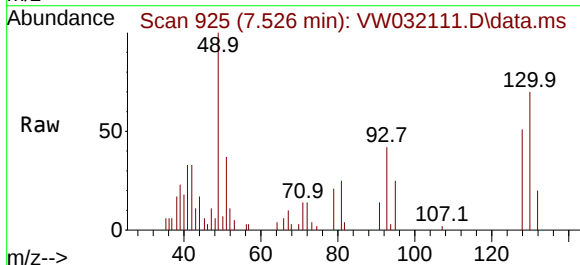
Instrument : MSVOA_W
 ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

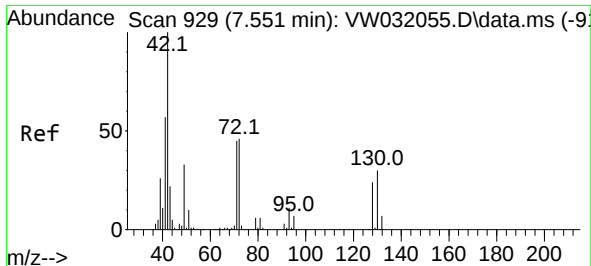
Tgt Ion: 96	Resp: 6999		
Ion Ratio	Lower	Upper	
96	100		
61	138.3	0.0	281.2
98	64.1	0.0	130.8



#28
 Bromochloromethane
 Concen: 2.464 ug/l
 RT: 7.526 min Scan# 925
 Delta R.T. -0.006 min
 Lab File: VW032111.D
 Acq: 22 Aug 2025 15:24

Tgt Ion: 49	Resp: 5135
Ion Ratio	Lower Upper
49 100	
129 0.4	0.0 4.2
130 84.7	61.9 92.9

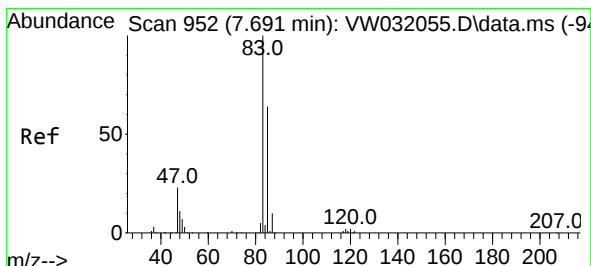
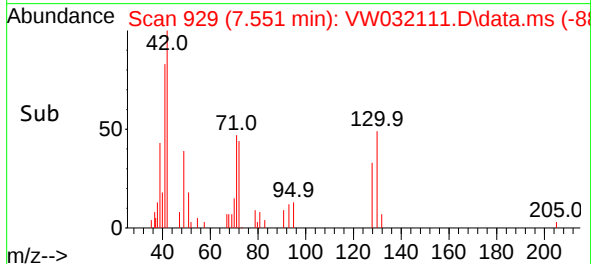
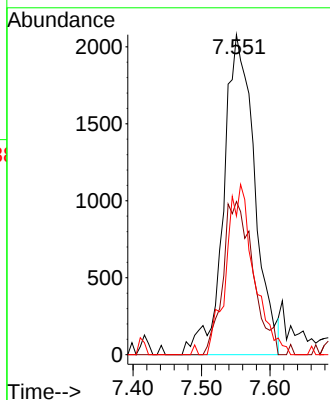
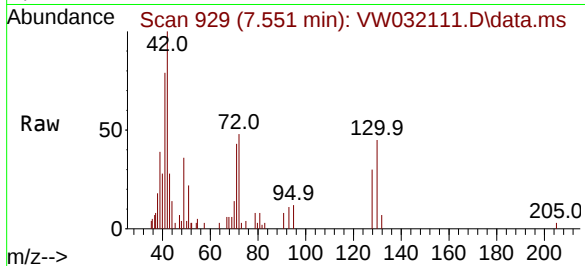




#29
Tetrahydrofuran
Concen: 10.797 ug/l
RT: 7.551 min Scan# 911
Delta R.T. 0.000 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

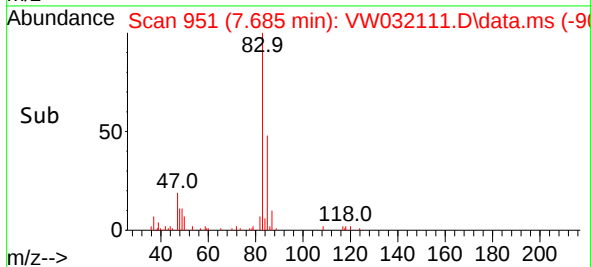
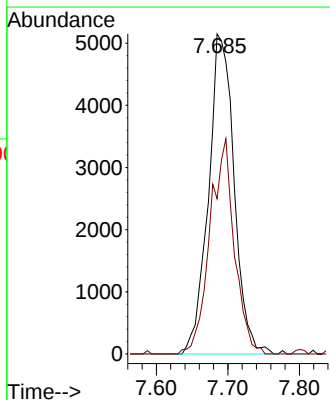
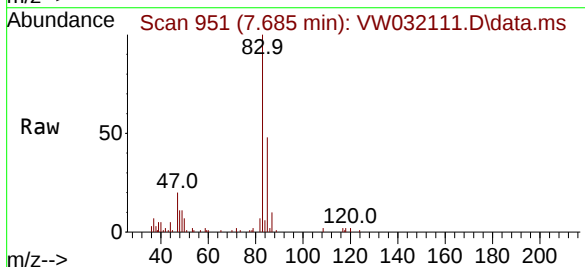
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

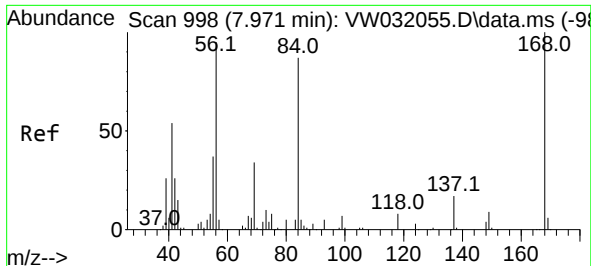
Tgt Ion: 42 Resp: 6528
Ion Ratio Lower Upper
42 100
72 46.5 36.6 55.0
71 47.6 34.7 52.1



#30
Chloroform
Concen: 2.644 ug/l
RT: 7.685 min Scan# 951
Delta R.T. -0.006 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

Tgt Ion: 83 Resp: 12839
Ion Ratio Lower Upper
83 100
85 48.5 51.0 76.4#

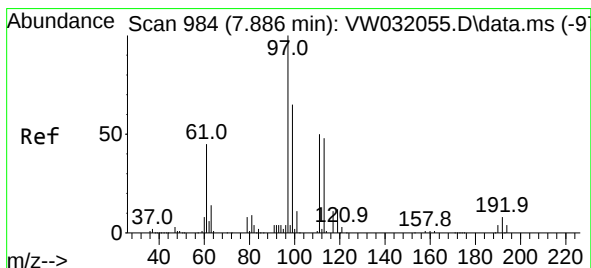
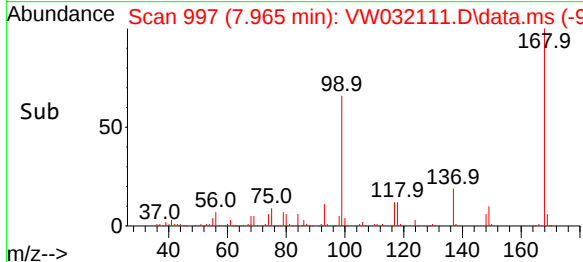
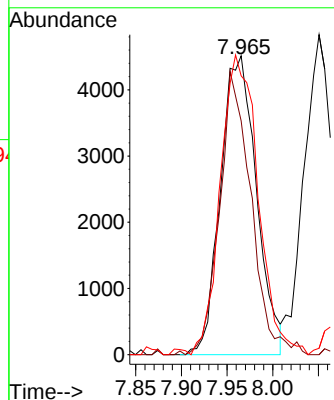
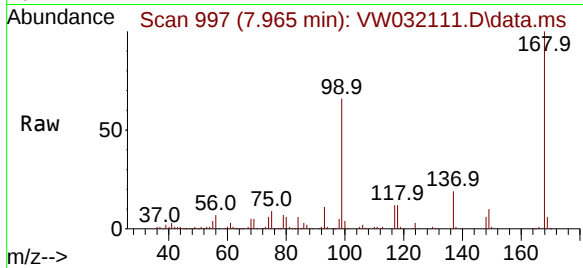




#31
Cyclohexane
Concen: 3.106 ug/l
RT: 7.965 min Scan# 998
Delta R.T. -0.006 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

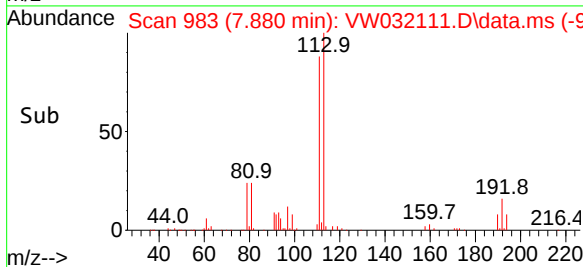
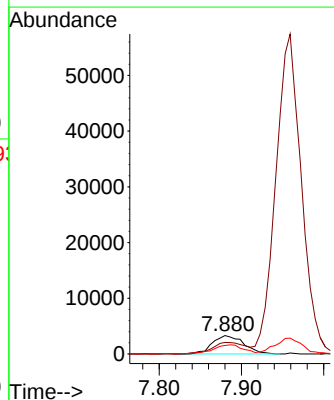
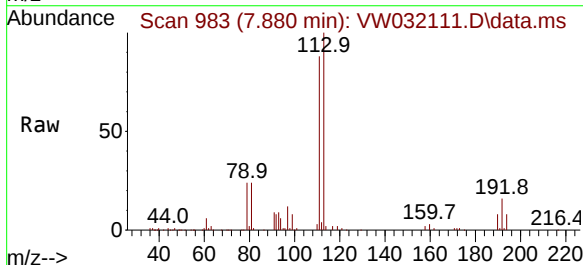
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

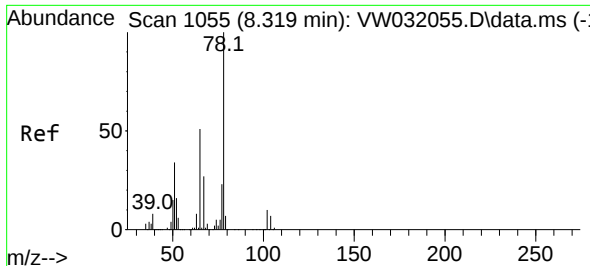
Tgt Ion: 56 Resp: 12334
Ion Ratio Lower Upper
56 100
69 77.0 28.6 42.8#
84 91.6 73.0 109.4



#32
1,1,1-Trichloroethane
Concen: 2.494 ug/l
RT: 7.880 min Scan# 983
Delta R.T. -0.006 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

Tgt Ion: 97 Resp: 8796
Ion Ratio Lower Upper
97 100
99 64.3 51.8 77.8
61 47.9 35.9 53.9

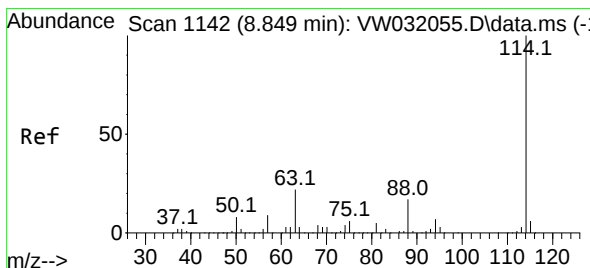
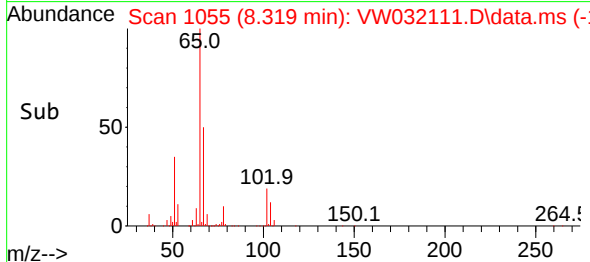
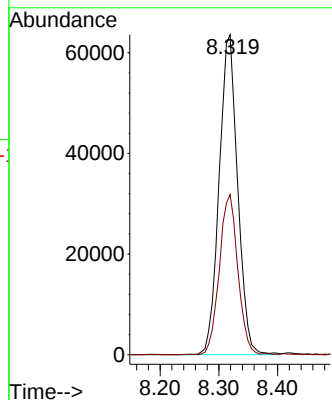
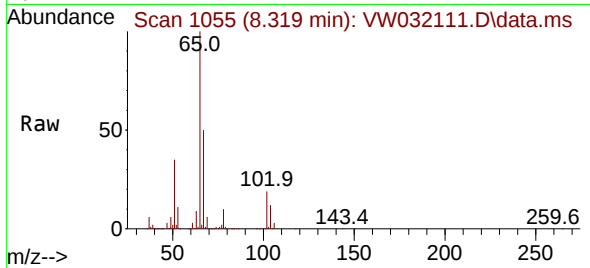




#33
 1,2-Dichloroethane-d4
 Concen: 49.850 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032111.D
 Acq: 22 Aug 2025 15:24

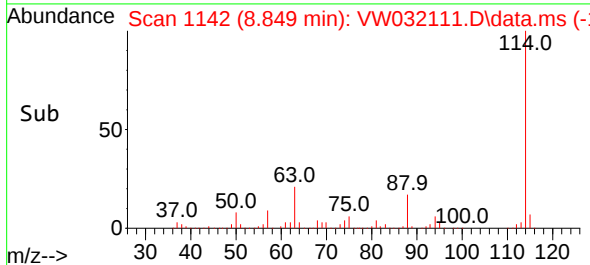
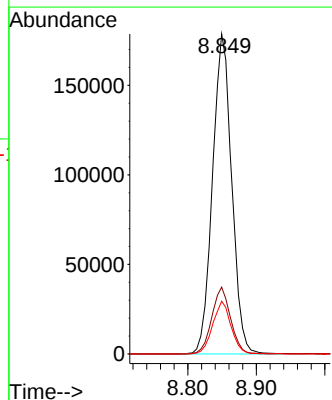
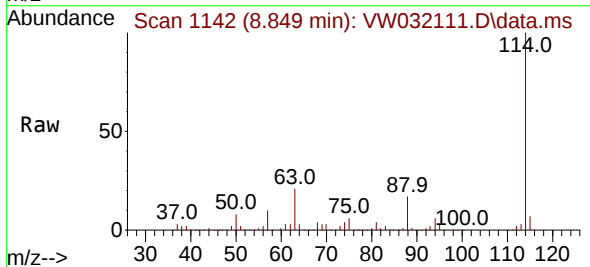
Instrument : MSVOA_W
 ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

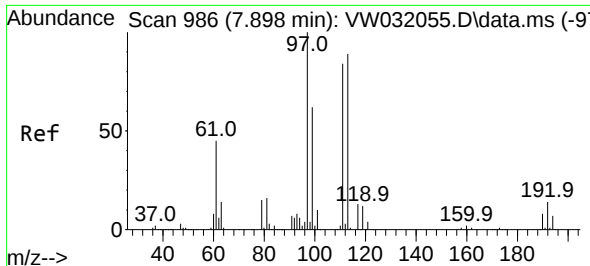
Tgt Ion: 65 Resp: 138884
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW032111.D
 Acq: 22 Aug 2025 15:24

Tgt Ion: 114 Resp: 346400
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 43.0
 88 16.5 0.0 33.8

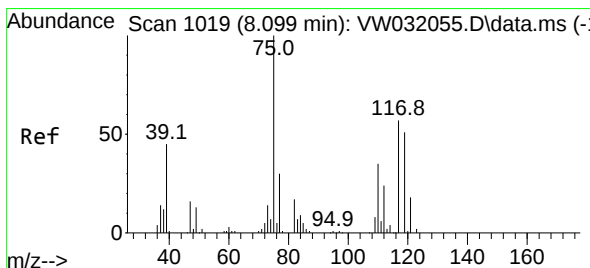
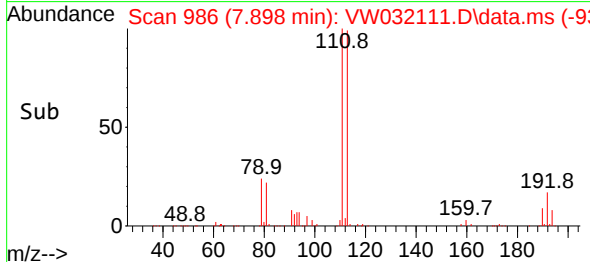
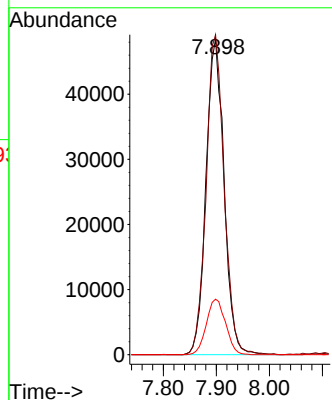
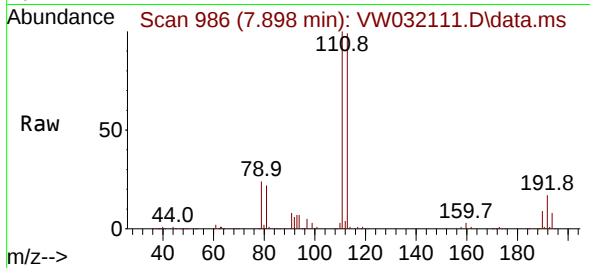




#35
 Dibromofluoromethane
 Concen: 51.158 ug/l
 RT: 7.898 min Scan# 986
 Delta R.T. 0.000 min
 Lab File: VW032111.D
 Acq: 22 Aug 2025 15:24

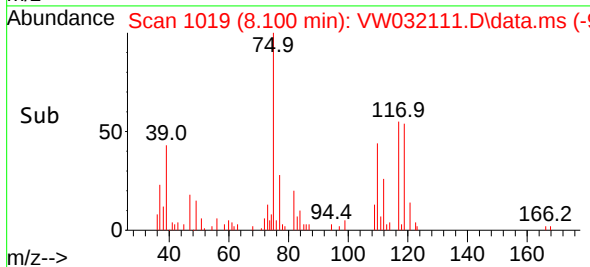
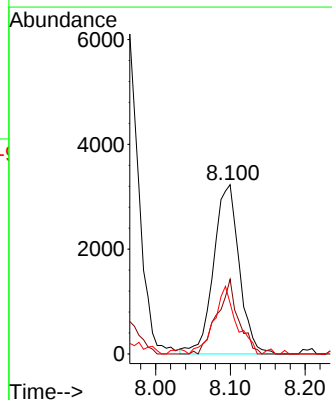
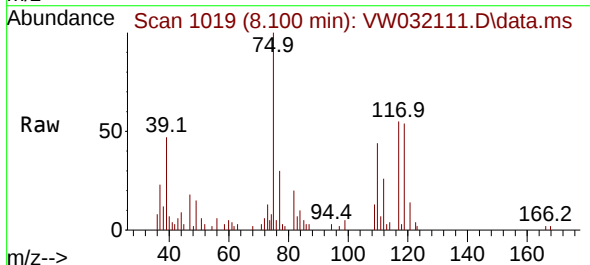
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

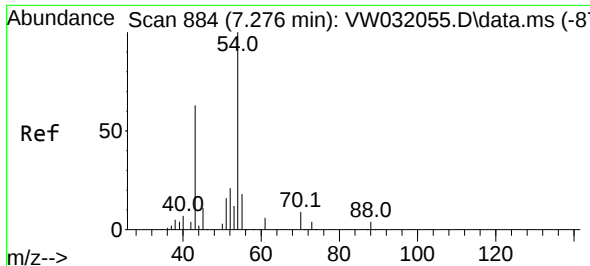
Tgt Ion:113 Resp: 114485
 Ion Ratio Lower Upper
 113 100
 111 101.3 80.1 120.1
 192 18.7 13.1 19.7



#36
 1,1-Dichloropropene
 Concen: 2.449 ug/l
 RT: 8.100 min Scan# 1019
 Delta R.T. 0.000 min
 Lab File: VW032111.D
 Acq: 22 Aug 2025 15:24

Tgt Ion: 75 Resp: 7727
 Ion Ratio Lower Upper
 75 100
 110 36.4 17.4 52.2
 77 35.0 24.7 37.1

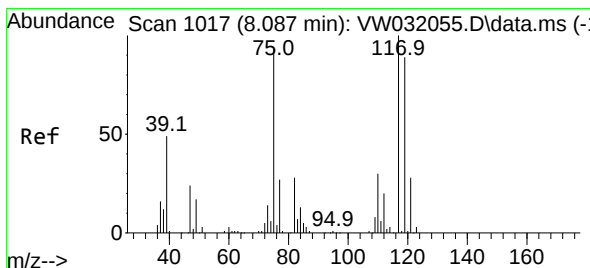
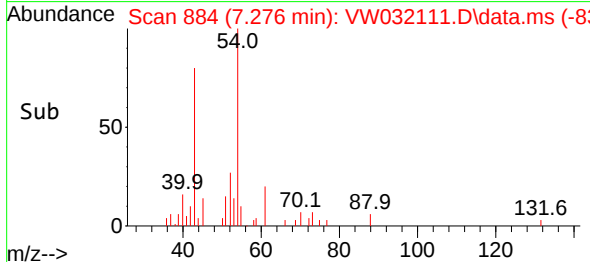
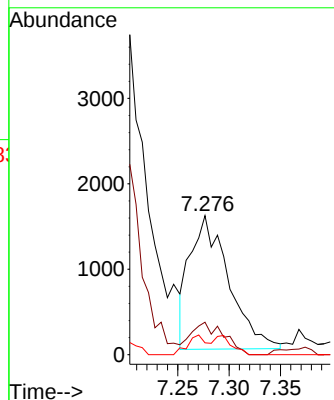
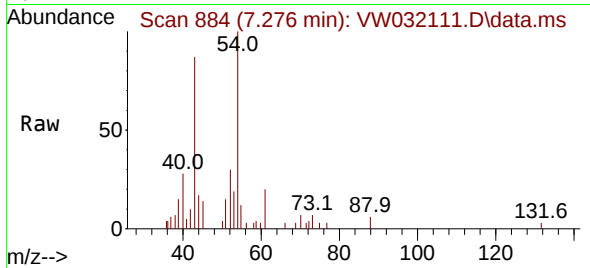




#37
Ethyl Acetate
Concen: 2.213 ug/l
RT: 7.276 min Scan# 884
Delta R.T. 0.000 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

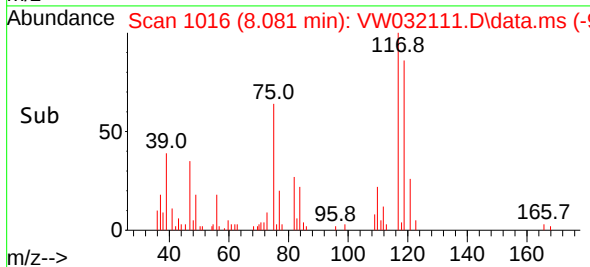
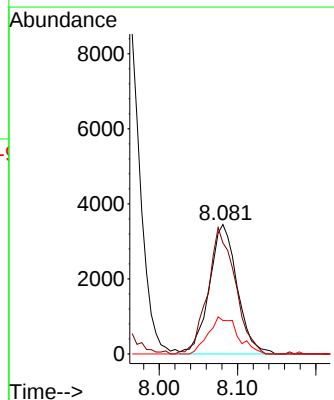
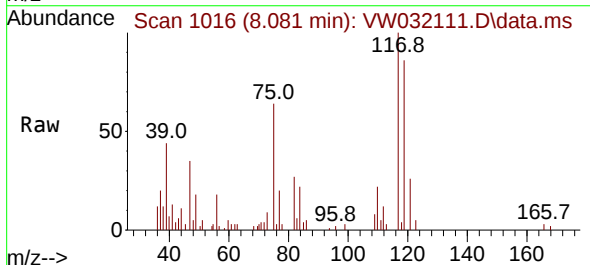
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

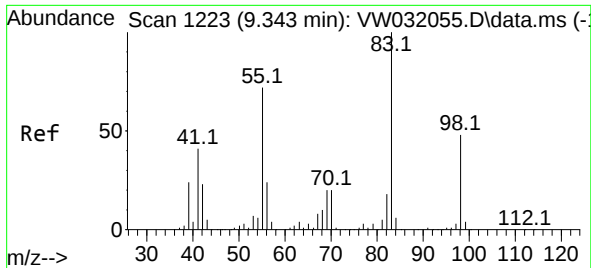
Tgt Ion: 43 Resp: 4112
Ion Ratio Lower Upper
43 100
61 20.5 11.8 17.6#
70 7.6 9.4 14.0#



#38
Carbon Tetrachloride
Concen: 2.798 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. -0.006 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

Tgt Ion: 117 Resp: 8518
Ion Ratio Lower Upper
117 100
119 85.7 71.4 107.2
121 25.8 22.3 33.5

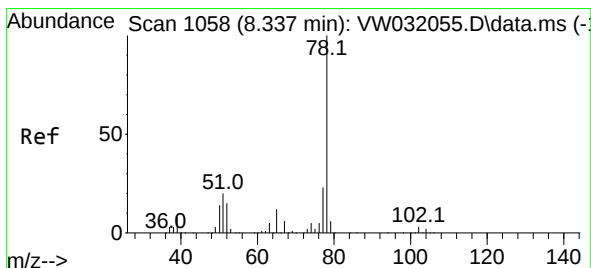
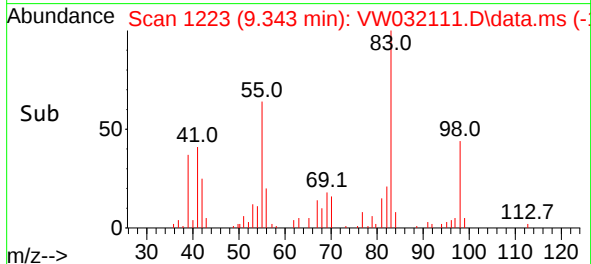
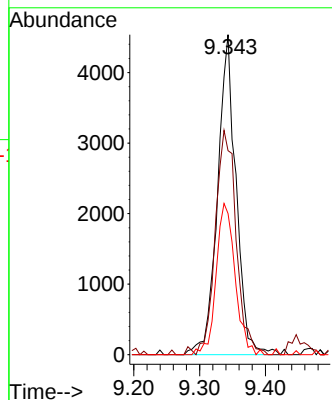
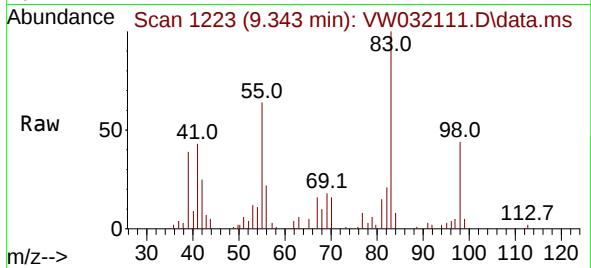




#39
Methylcyclohexane
Concen: 2.319 ug/l
RT: 9.343 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

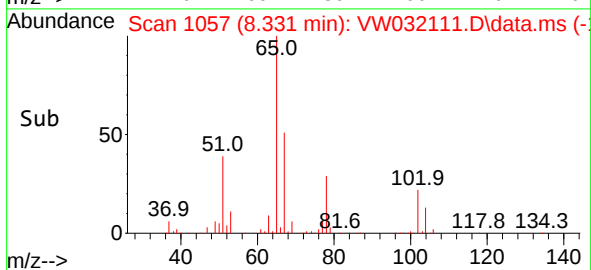
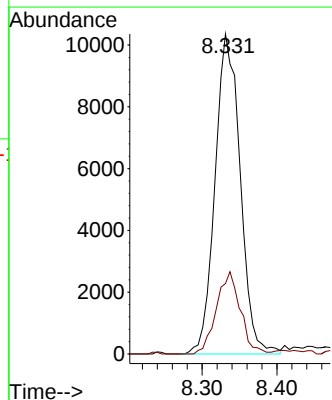
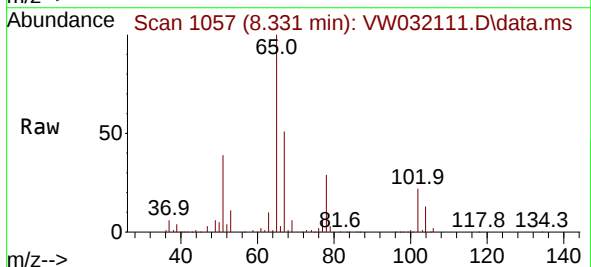
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

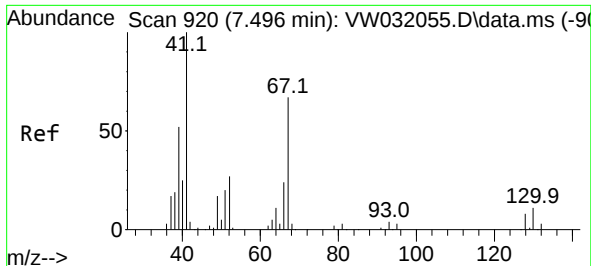
Tgt Ion:	83	Resp:	8918
Ion	Ratio	Lower	Upper
83	100		
55	63.7	57.9	86.9
98	44.1	38.3	57.5



#40
Benzene
Concen: 2.472 ug/l
RT: 8.331 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

Tgt Ion:	78	Resp:	24243
Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.4	27.6

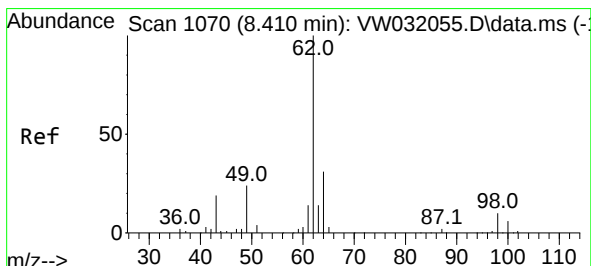
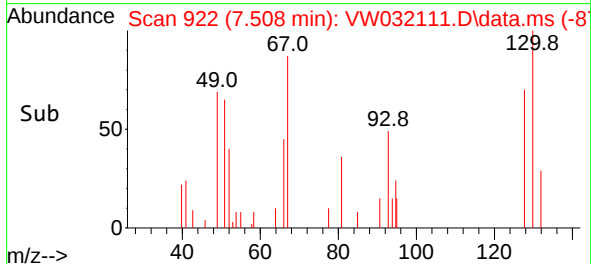
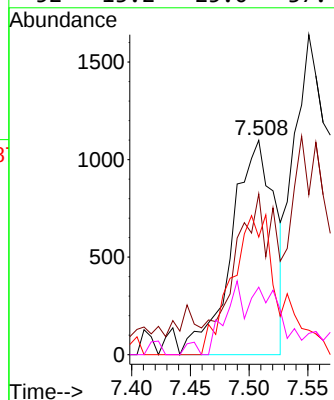
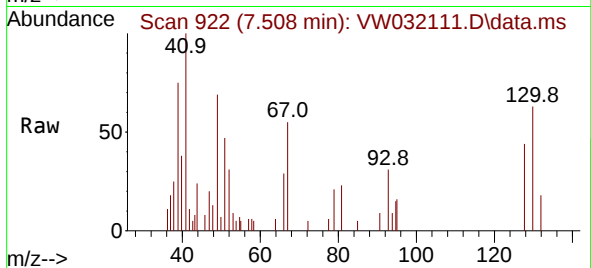




#41
Methacrylonitrile
Concen: 2.670 ug/l
RT: 7.508 min Scan# 91
Delta R.T. 0.012 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

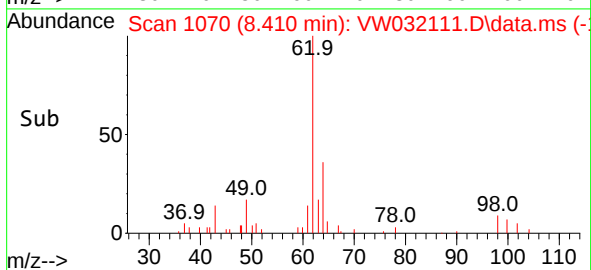
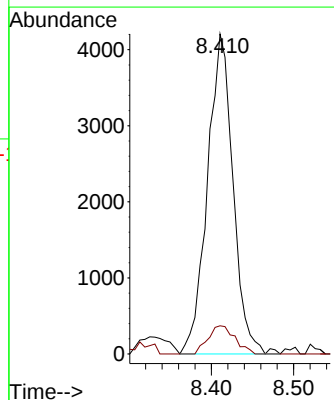
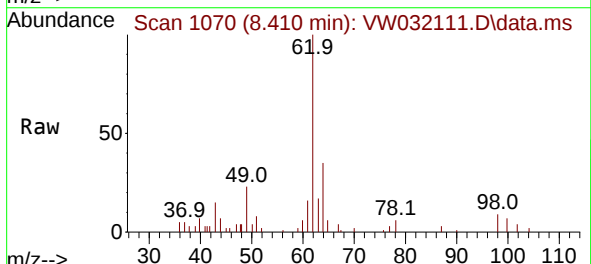
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

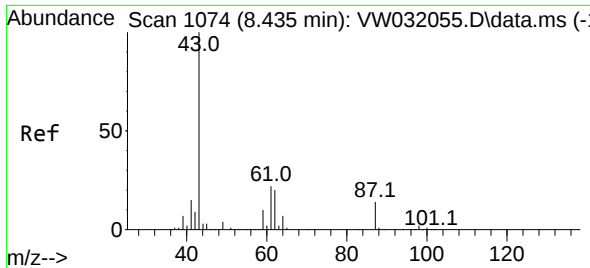
Tgt Ion:	41	Resp:	2813
Ion	Ratio	Lower	Upper
41	100		
39	56.3	42.6	63.8
67	73.0	61.0	91.4
52	13.2	25.0	37.4



#42
1,2-Dichloroethane
Concen: 2.902 ug/l
RT: 8.410 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

Tgt Ion:	62	Resp:	9107
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	19.8





#43

Isopropyl Acetate

Concen: 2.397 ug/l

RT: 8.441 min Scan# 1075

Delta R.T. 0.006 min

Lab File: VW032111.D

Acq: 22 Aug 2025 15:24

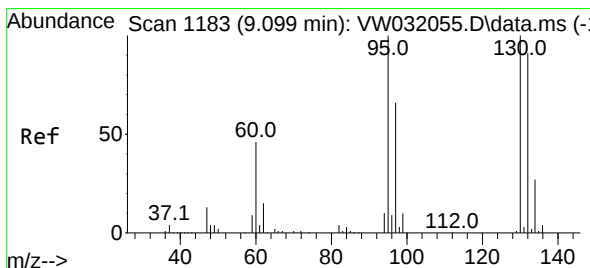
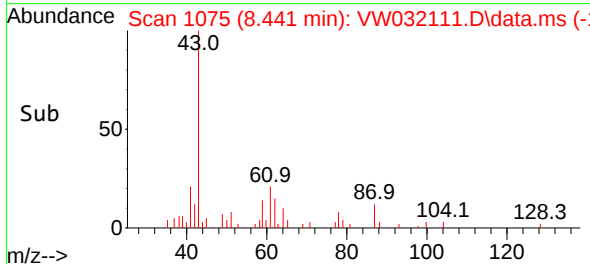
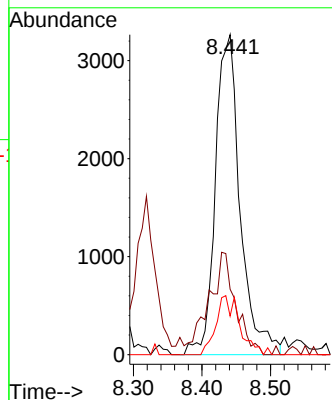
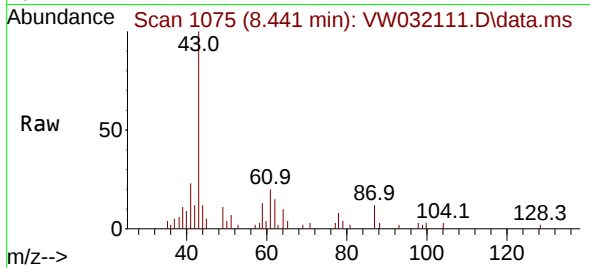
Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 43	Resp: 8195
Ion Ratio	Lower Upper
43	100
61	34.7 23.8 35.8
87	17.8 11.7 17.5



#44

Trichloroethene

Concen: 2.689 ug/l

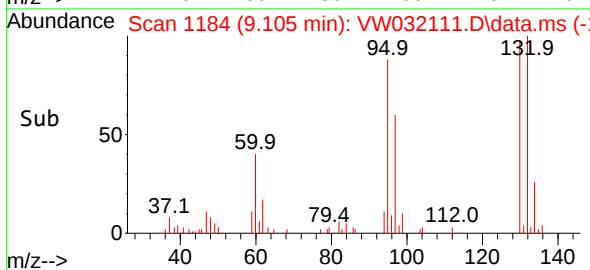
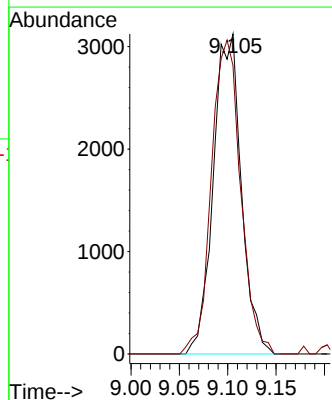
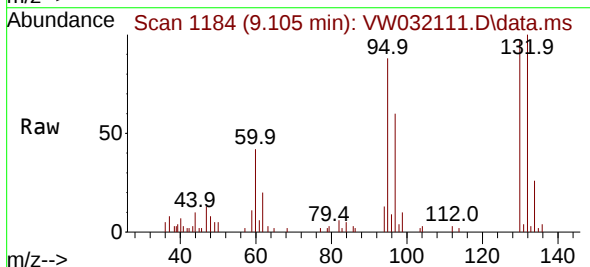
RT: 9.105 min Scan# 1184

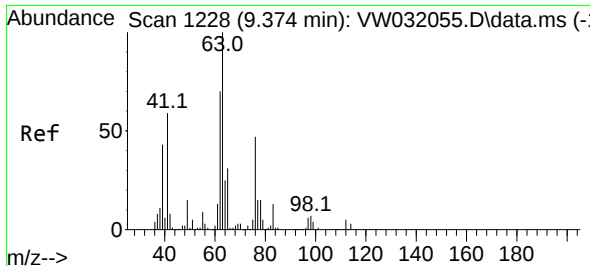
Delta R.T. 0.006 min

Lab File: VW032111.D

Acq: 22 Aug 2025 15:24

Tgt Ion: 130	Resp: 6279
Ion Ratio	Lower Upper
130	100
95	90.1 0.0 200.6





#45

1,2-Dichloropropane

Concen: 2.481 ug/l

RT: 9.374 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VW032111.D

Acq: 22 Aug 2025 15:24

Instrument :

MSVOA_W

ClientSampleId :

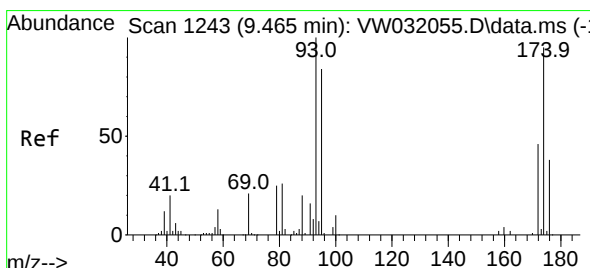
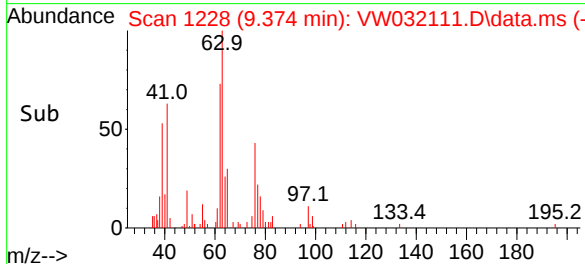
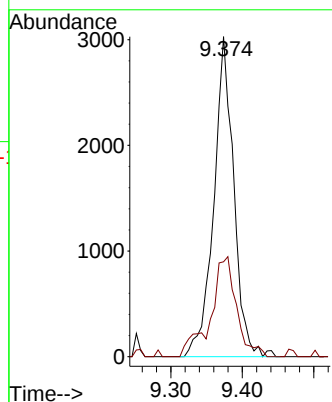
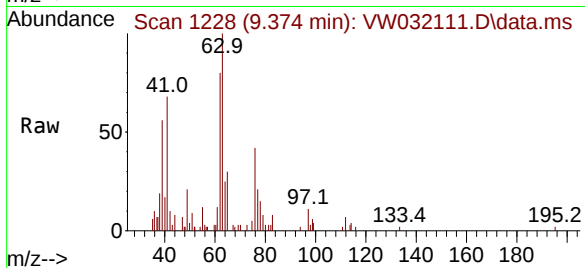
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 63 Resp: 5877

Ion Ratio Lower Upper

63 100

65 29.6 24.6 36.8



#46

Dibromomethane

Concen: 2.806 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. 0.000 min

Lab File: VW032111.D

Acq: 22 Aug 2025 15:24

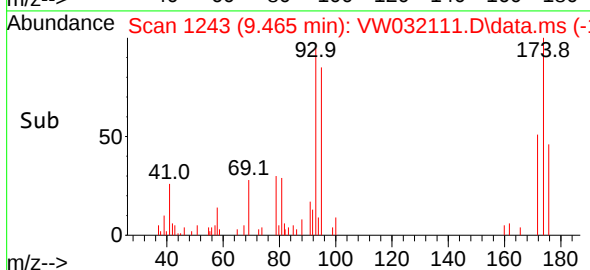
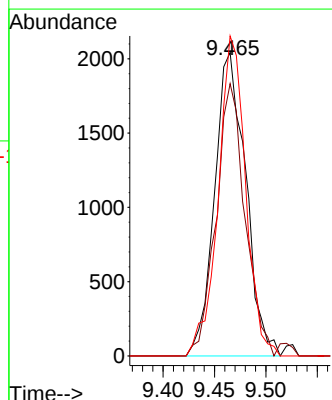
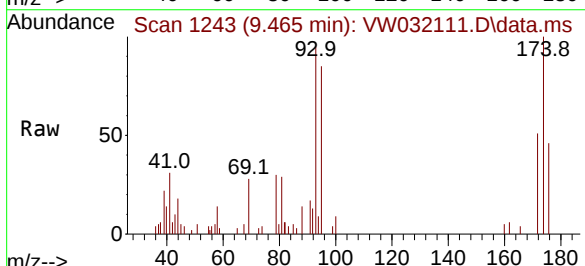
Tgt Ion: 93 Resp: 4291

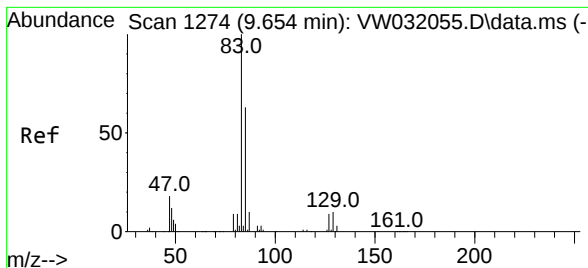
Ion Ratio Lower Upper

93 100

95 83.8 65.3 97.9

174 93.2 68.6 102.8





#47

Bromodichloromethane

Concen: 2.613 ug/l

RT: 9.648 min Scan# 1273

Delta R.T. -0.006 min

Lab File: VW032111.D

Acq: 22 Aug 2025 15:24

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

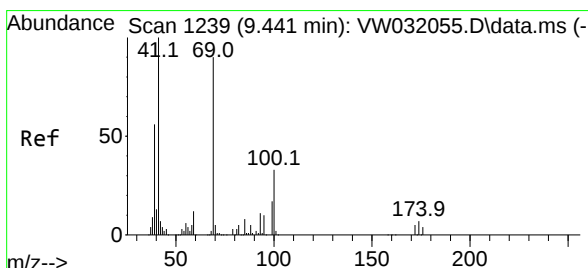
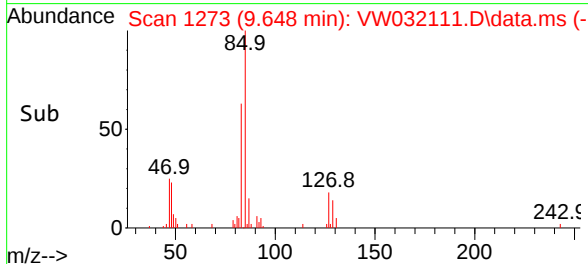
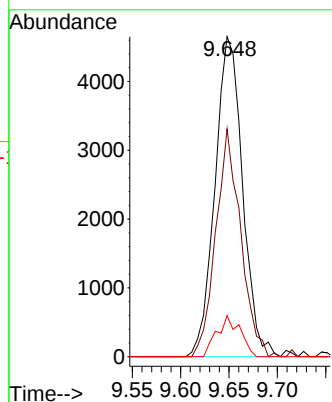
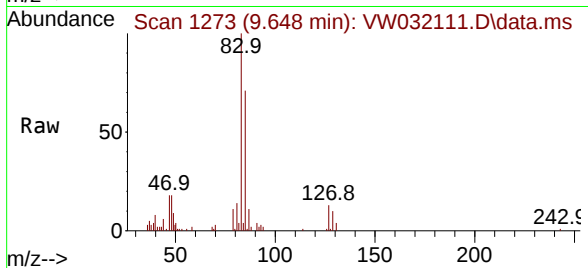
Tgt Ion: 83 Resp: 9206

Ion Ratio Lower Upper

83 100

85 71.2 50.6 75.8

127 12.9 6.9 10.3#



#48

Methyl methacrylate

Concen: 2.480 ug/l

RT: 9.441 min Scan# 1239

Delta R.T. 0.000 min

Lab File: VW032111.D

Acq: 22 Aug 2025 15:24

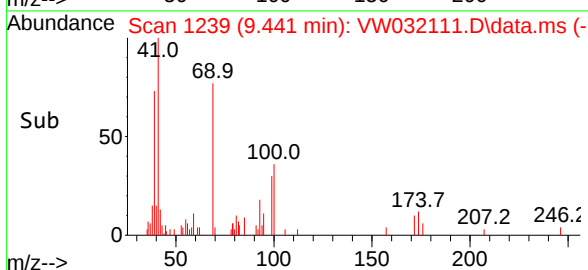
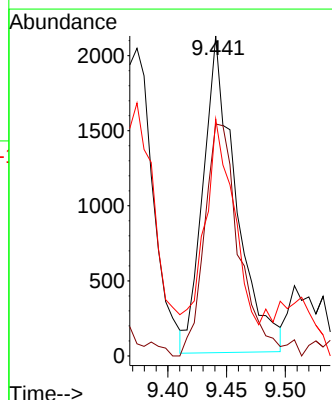
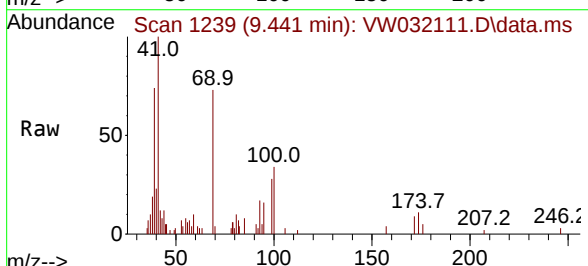
Tgt Ion: 41 Resp: 4093

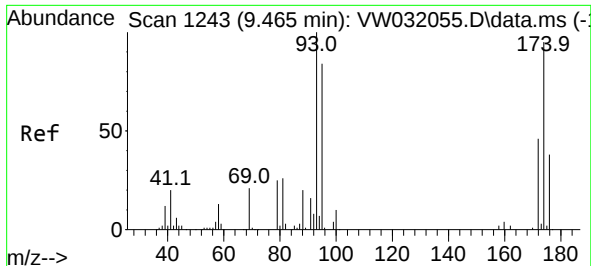
Ion Ratio Lower Upper

41 100

69 78.7 73.0 109.6

39 53.7 45.0 67.4





#49

1,4-Dioxane

Concen: 12.393 ug/l

RT: 9.453 min Scan# 1241

Delta R.T. -0.012 min

Lab File: VW032111.D

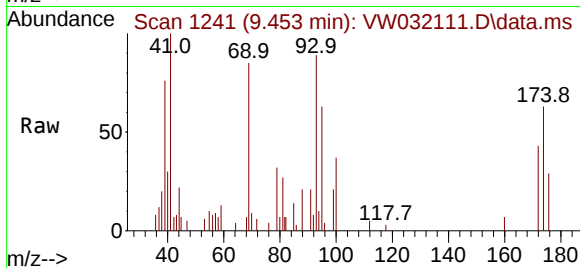
Acq: 22 Aug 2025 15:24

Instrument :

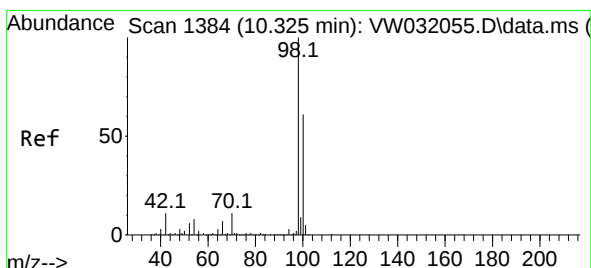
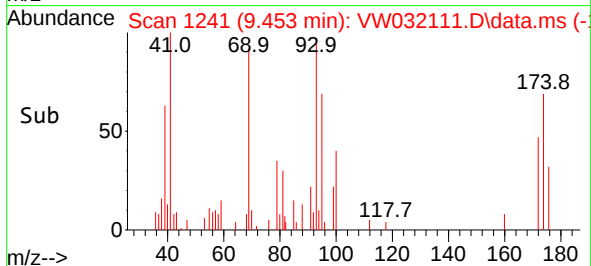
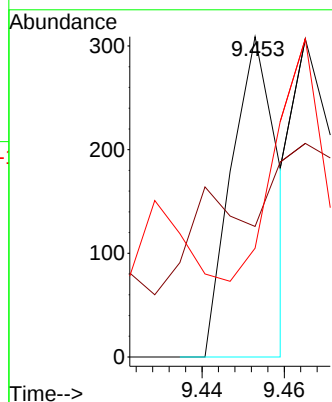
MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025



Tgt Ion:	88	Resp:	245
Ion	Ratio	Lower	Upper
88	100		
43	0.0	20.6	30.8#
58	198.8	60.4	90.6#



#50

Toluene-d8

Concen: 49.026 ug/l

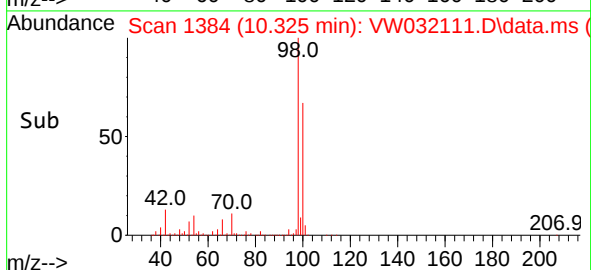
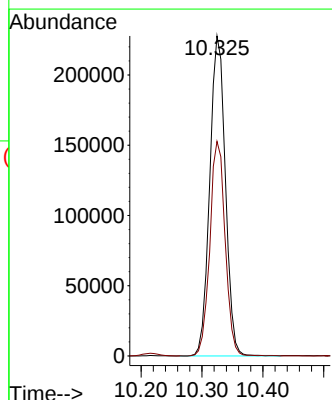
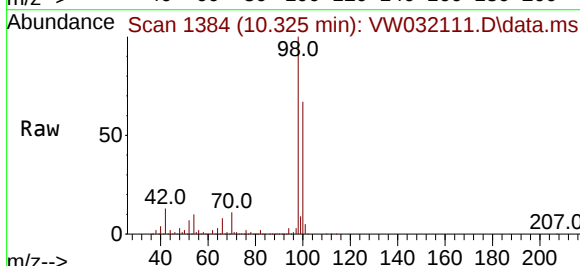
RT: 10.325 min Scan# 1384

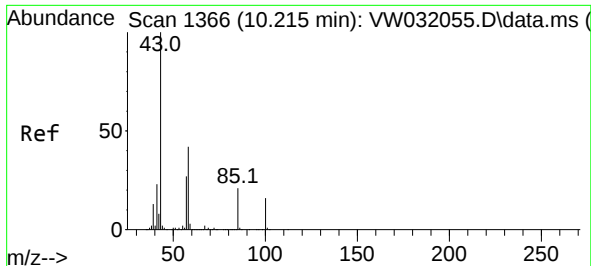
Delta R.T. 0.000 min

Lab File: VW032111.D

Acq: 22 Aug 2025 15:24

Tgt Ion:	98	Resp:	405799
Ion	Ratio	Lower	Upper
98	100		
100	65.5	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 11.256 ug/l

RT: 10.215 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW032111.D

Acq: 22 Aug 2025 15:24

Instrument :

MSVOA_W

ClientSampleId :

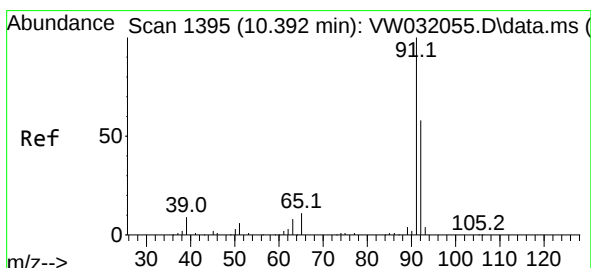
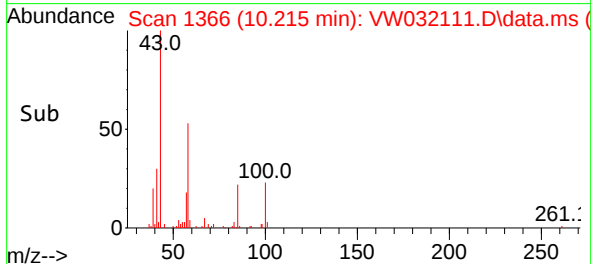
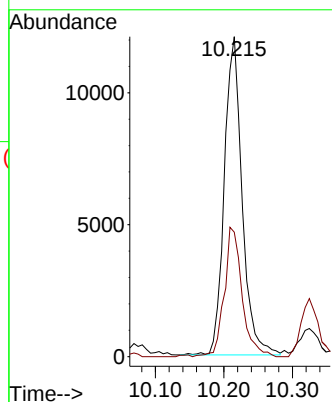
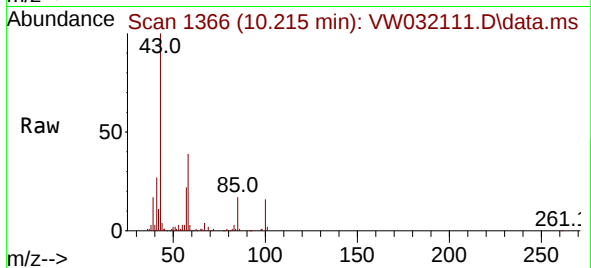
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 43 Resp: 21718

Ion Ratio Lower Upper

43 100

58 40.6 33.1 49.7



#52

Toluene

Concen: 2.543 ug/l

RT: 10.386 min Scan# 1394

Delta R.T. -0.006 min

Lab File: VW032111.D

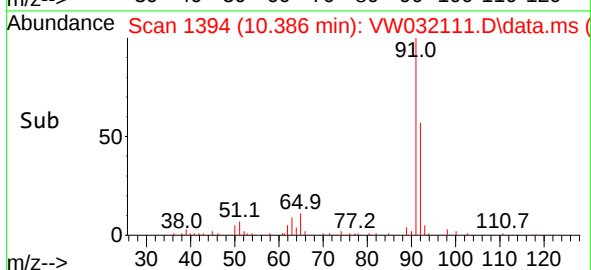
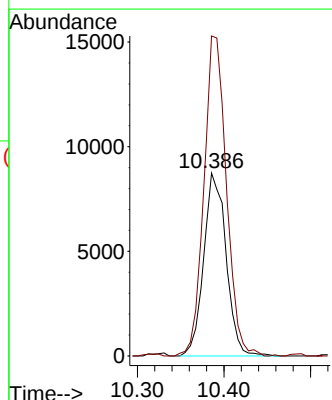
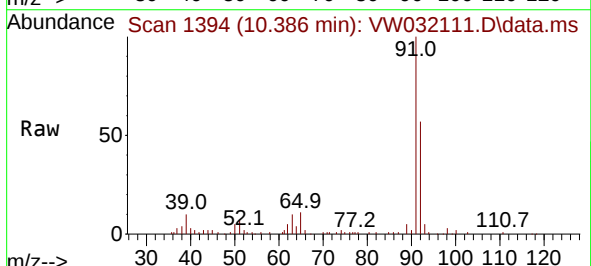
Acq: 22 Aug 2025 15:24

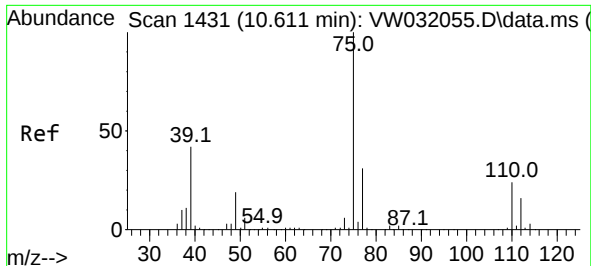
Tgt Ion: 92 Resp: 15710

Ion Ratio Lower Upper

92 100

91 175.5 136.3 204.5

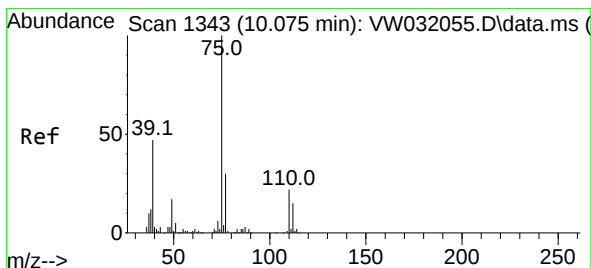
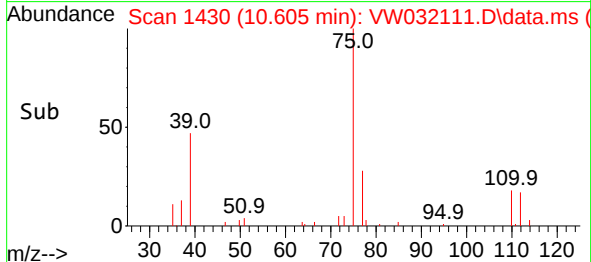
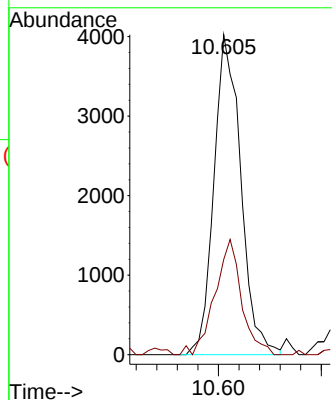
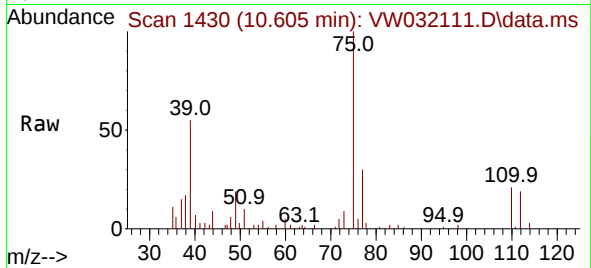




#53
t-1,3-Dichloropropene
Concen: 2.208 ug/l
RT: 10.605 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

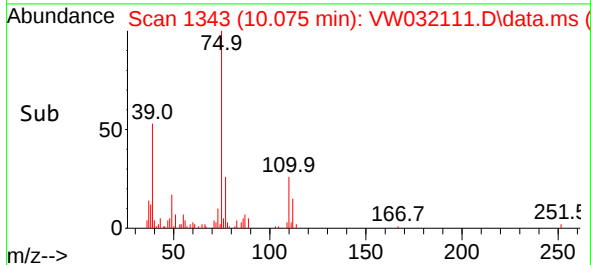
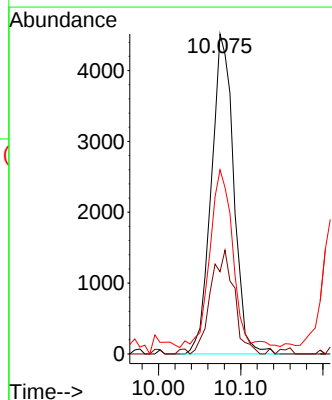
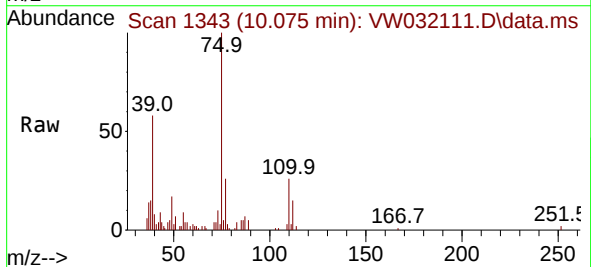
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

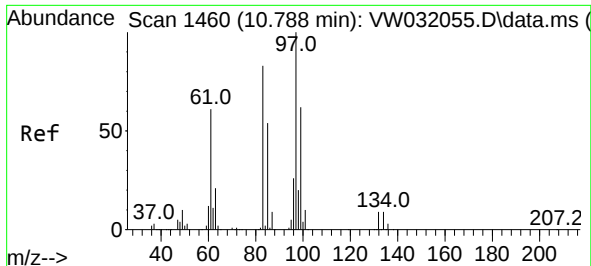
Tgt Ion: 75 Resp: 7287
Ion Ratio Lower Upper
75 100
77 29.8 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 2.281 ug/l
RT: 10.075 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

Tgt Ion: 75 Resp: 8541
Ion Ratio Lower Upper
75 100
77 24.3 24.0 36.0
39 55.5 37.8 56.8

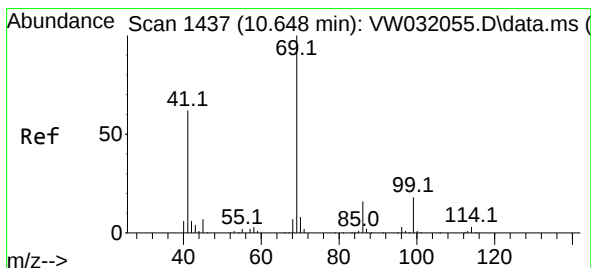
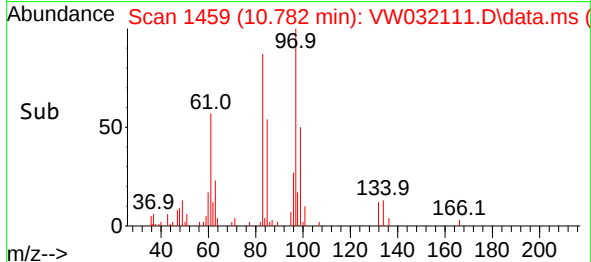
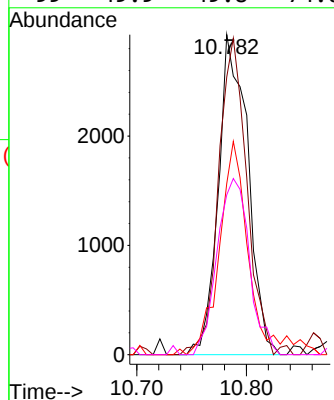
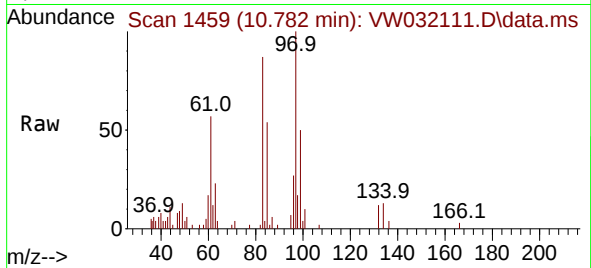




#55
1,1,2-Trichloroethane
Concen: 2.693 ug/l
RT: 10.782 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

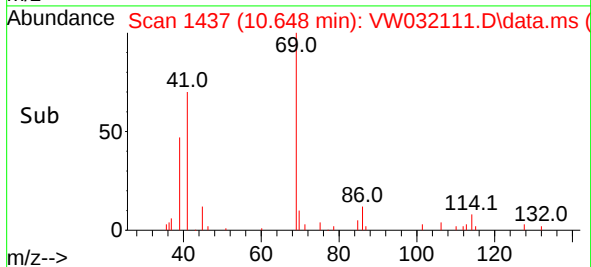
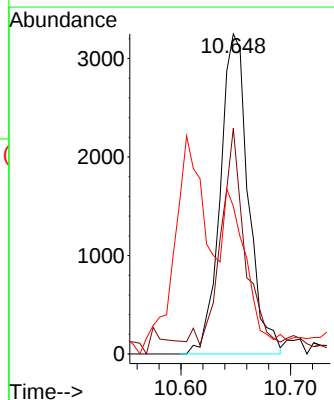
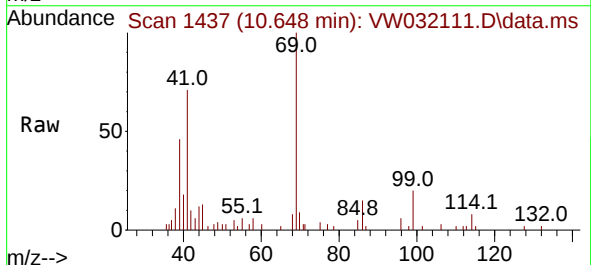
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

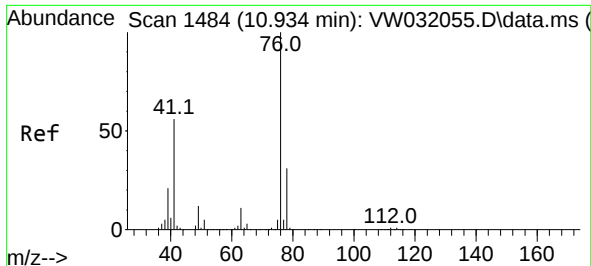
Tgt Ion: 97	Resp: 5471
Ion Ratio	Lower Upper
97 100	
83 86.8	66.4 99.6
85 51.8	43.1 64.7
99 49.9	49.8 74.6



#56
Ethyl methacrylate
Concen: 2.129 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

Tgt Ion: 69	Resp: 5790		
Ion Ratio	Lower	Upper	
69 100			
41 61.9	51.2	76.8	
39 33.8	25.4	38.0	





#57

1,3-Dichloropropane

Concen: 2.502 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. 0.000 min

Lab File: VW032111.D

Acq: 22 Aug 2025 15:24

Instrument :

MSVOA_W

ClientSampleId :

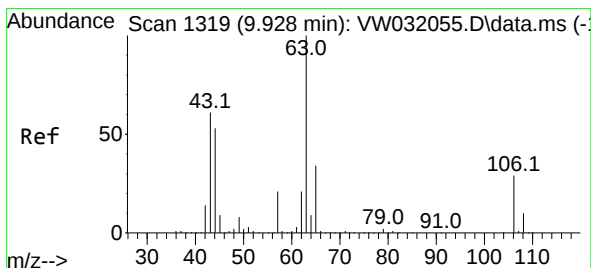
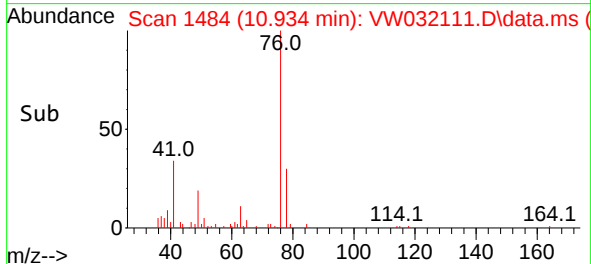
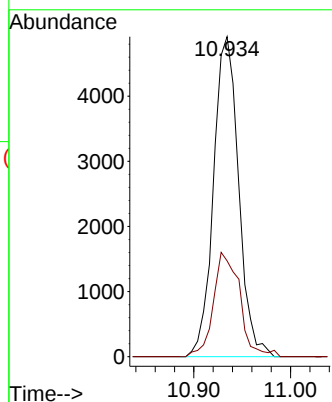
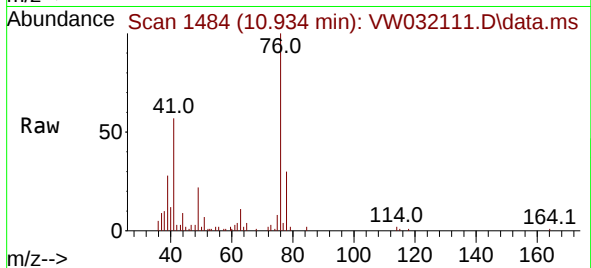
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 76 Resp: 8862

Ion Ratio Lower Upper

76 100

78 34.3 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 9.752 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VW032111.D

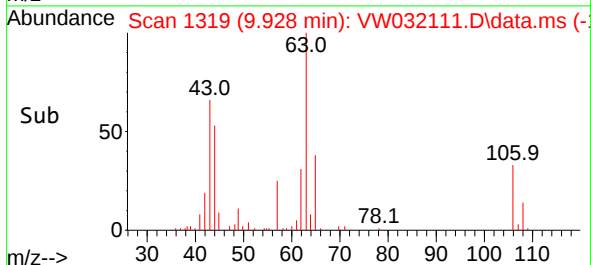
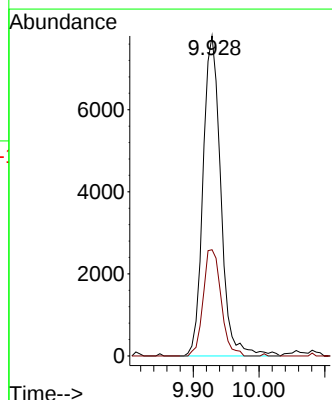
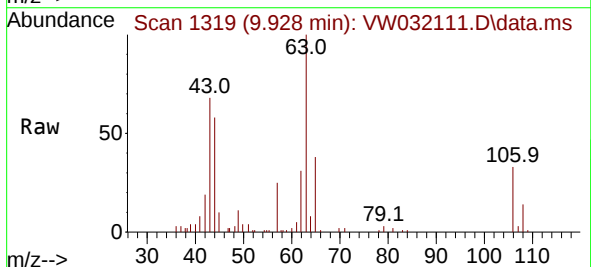
Acq: 22 Aug 2025 15:24

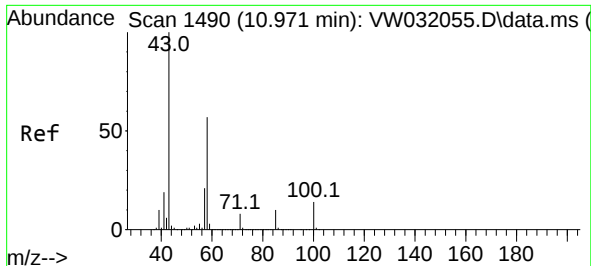
Tgt Ion: 63 Resp: 14666

Ion Ratio Lower Upper

63 100

106 33.4 23.5 35.3





#59

2-Hexanone

Concen: 11.958 ug/l

RT: 10.971 min Scan# 1490

Delta R.T. 0.000 min

Lab File: VW032111.D

Acq: 22 Aug 2025 15:24

Instrument :

MSVOA_W

ClientSampleId :

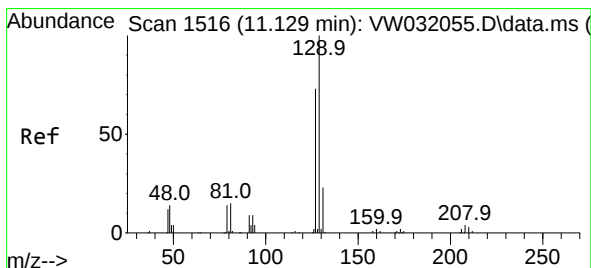
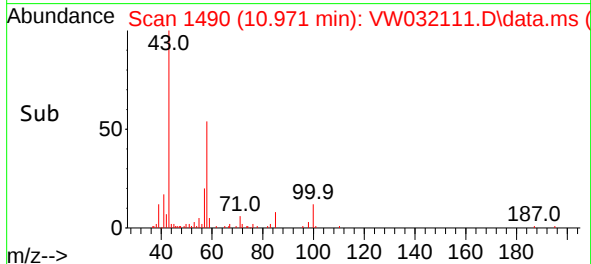
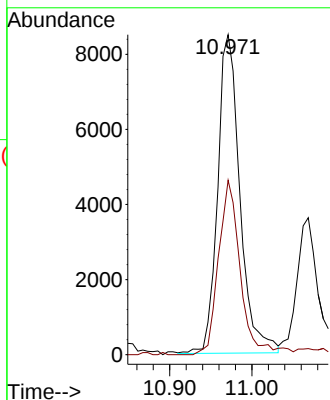
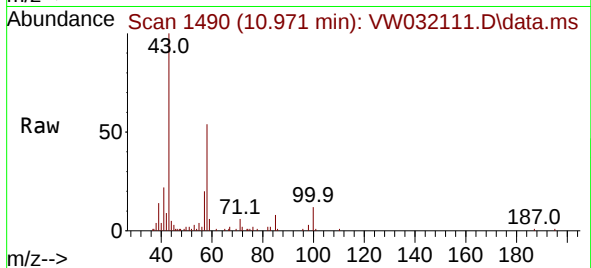
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 43 Resp: 15979

Ion Ratio Lower Upper

43 100

58 53.8 28.3 85.0



#60

Dibromochloromethane

Concen: 2.460 ug/l

RT: 11.129 min Scan# 1516

Delta R.T. 0.000 min

Lab File: VW032111.D

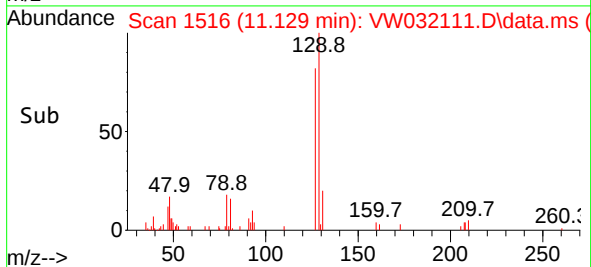
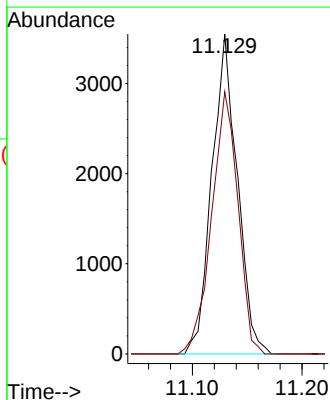
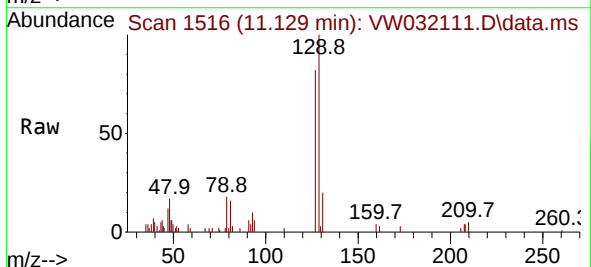
Acq: 22 Aug 2025 15:24

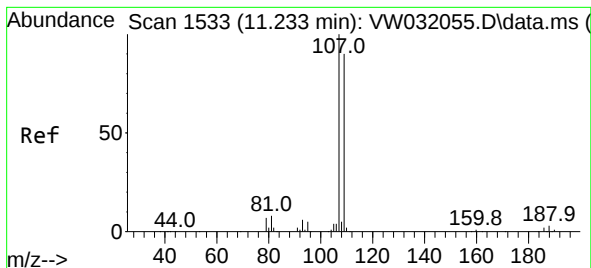
Tgt Ion:129 Resp: 5709

Ion Ratio Lower Upper

129 100

127 84.8 39.0 116.9





#61

1,2-Dibromoethane

Concen: 2.719 ug/l

RT: 11.239 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW032111.D

Acq: 22 Aug 2025 15:24

Instrument :

MSVOA_W

ClientSampleId :

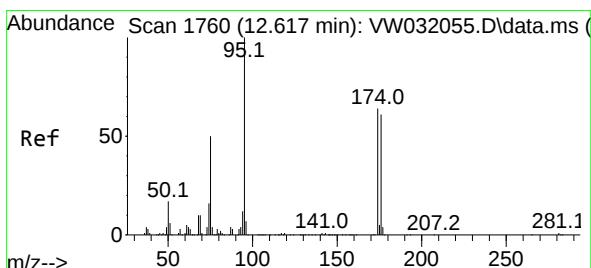
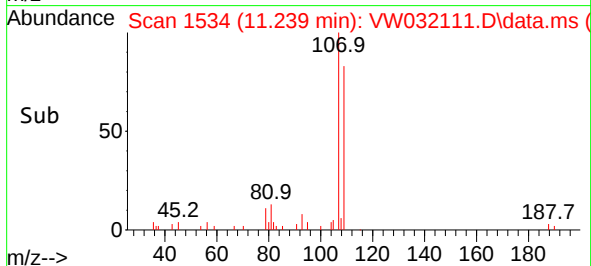
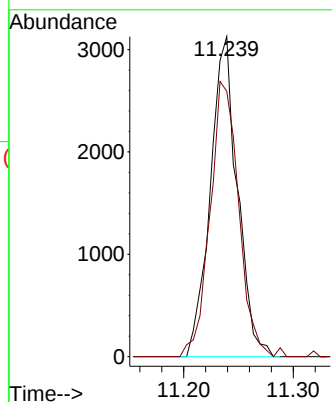
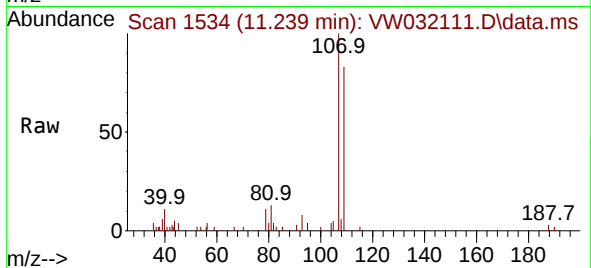
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:107 Resp: 5368

Ion Ratio Lower Upper

107 100

109 90.7 74.2 111.4



#62

4-Bromofluorobenzene

Concen: 46.465 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. 0.000 min

Lab File: VW032111.D

Acq: 22 Aug 2025 15:24

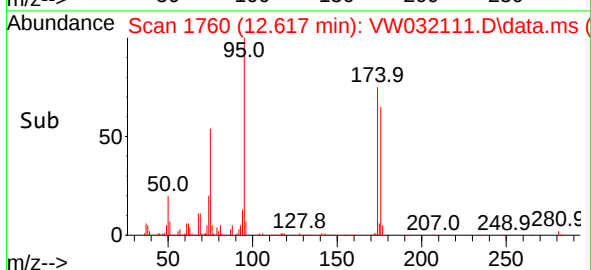
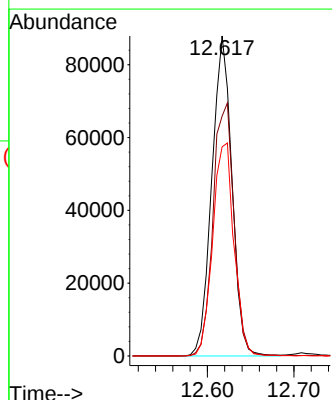
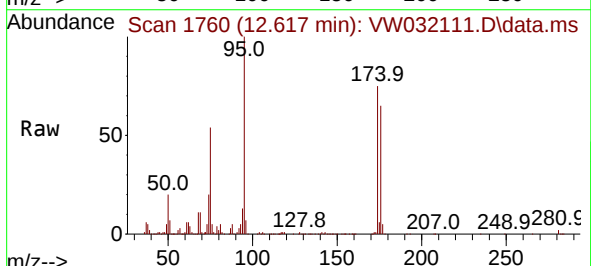
Tgt Ion: 95 Resp: 141731

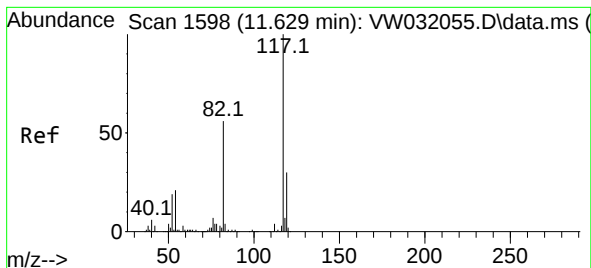
Ion Ratio Lower Upper

95 100

174 82.5 0.0 129.0

176 70.6 0.0 124.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW032111.D

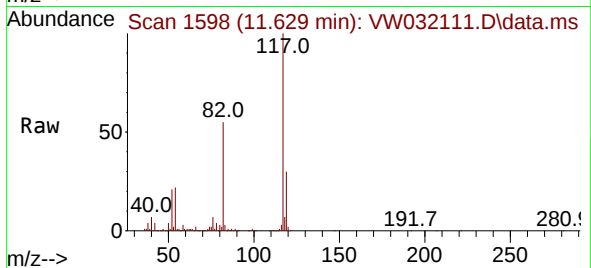
Acq: 22 Aug 2025 15:24

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025



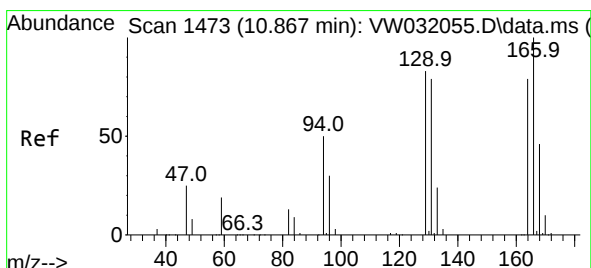
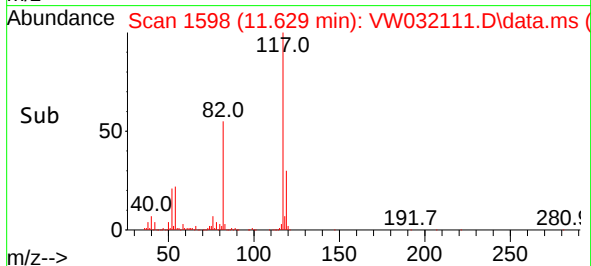
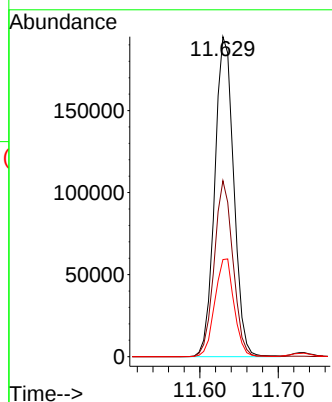
Tgt Ion:117 Resp: 328568

Ion Ratio Lower Upper

117 100

82 55.0 45.0 67.4

119 30.3 24.2 36.4



#64

Tetrachloroethene

Concen: 2.896 ug/l

RT: 10.861 min Scan# 1472

Delta R.T. -0.006 min

Lab File: VW032111.D

Acq: 22 Aug 2025 15:24

Tgt Ion:164 Resp: 5496

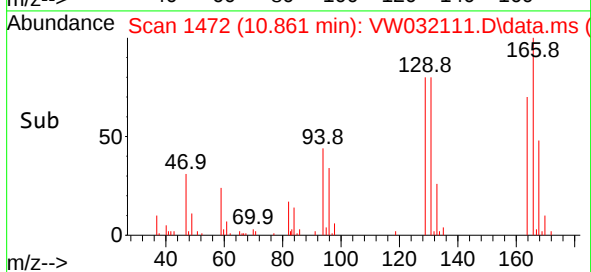
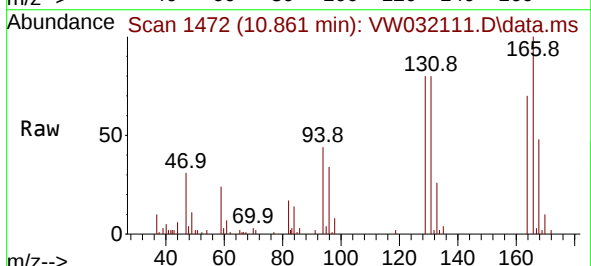
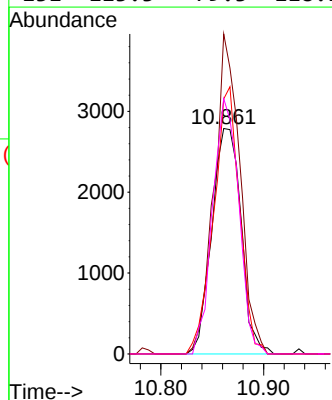
Ion Ratio Lower Upper

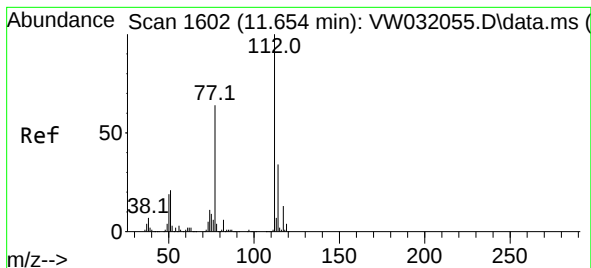
164 100

166 142.0 100.9 151.3

129 113.1 83.6 125.4

131 113.3 79.3 118.9





#65

Chlorobenzene

Concen: 2.564 ug/l

RT: 11.660 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW032111.D

Acq: 22 Aug 2025 15:24

Instrument :

MSVOA_W

ClientSampleId :

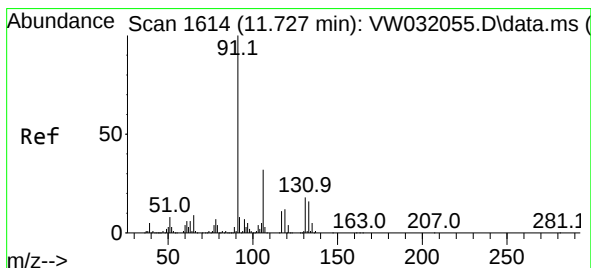
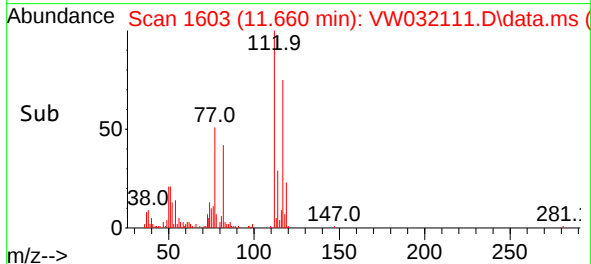
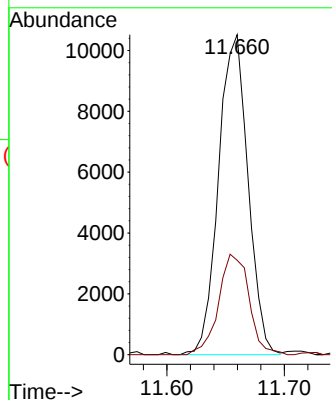
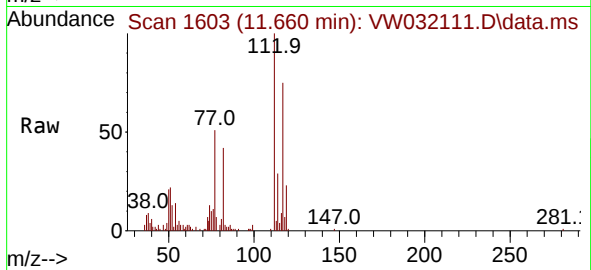
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:112 Resp: 18338

Ion Ratio Lower Upper

112 100

114 29.5 26.9 40.3



#66

1,1,1,2-Tetrachloroethane

Concen: 2.562 ug/l

RT: 11.727 min Scan# 1614

Delta R.T. 0.000 min

Lab File: VW032111.D

Acq: 22 Aug 2025 15:24

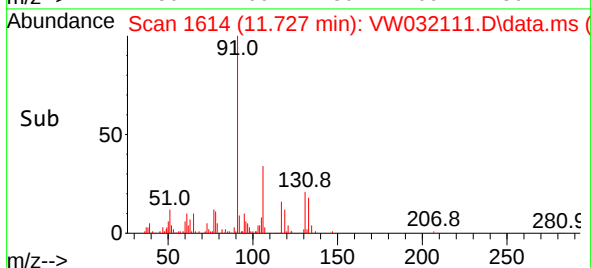
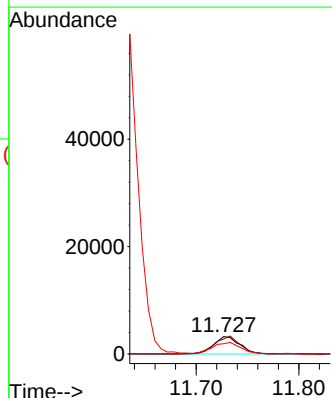
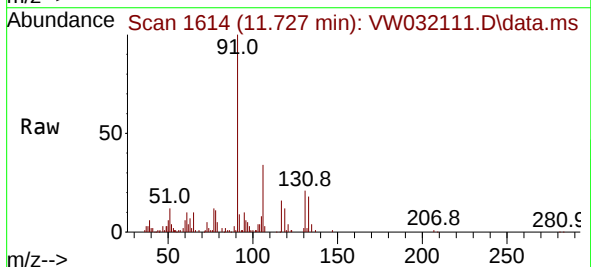
Tgt Ion:131 Resp: 5716

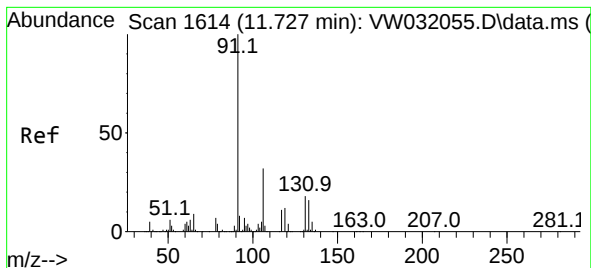
Ion Ratio Lower Upper

131 100

133 98.2 47.3 142.0

119 72.0 34.5 103.5

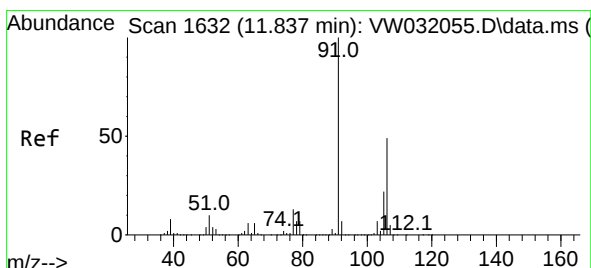
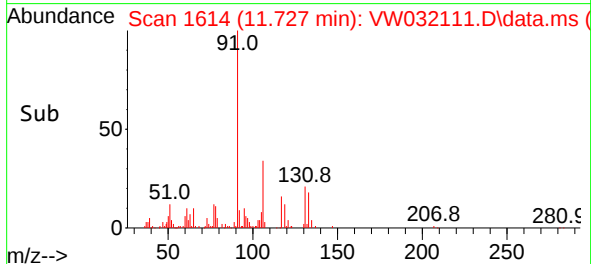
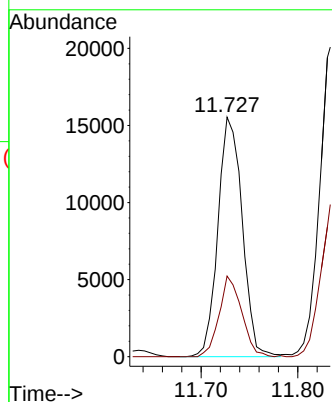
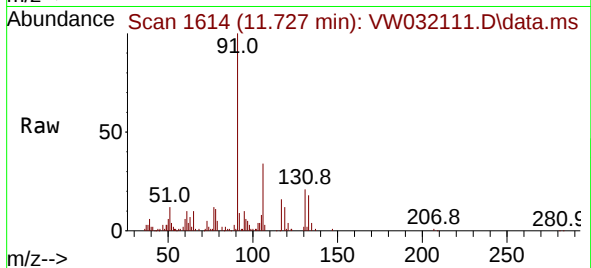




#67
Ethyl Benzene
Concen: 2.235 ug/l
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

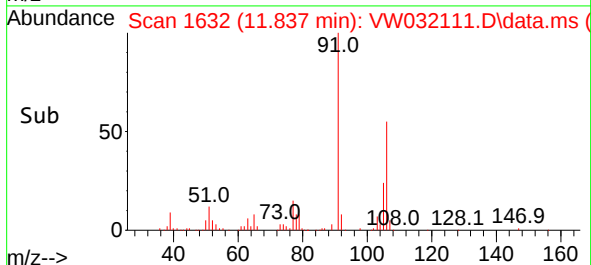
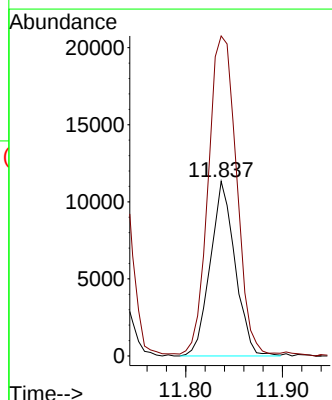
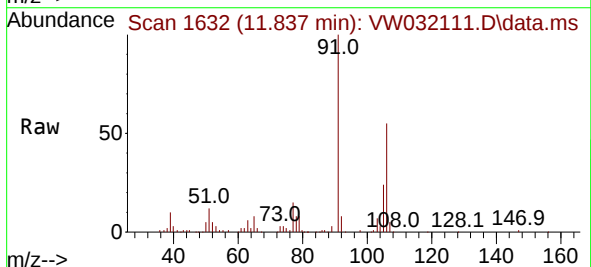
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

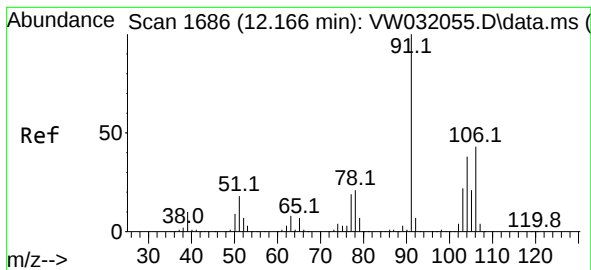
Tgt Ion: 91 Resp: 27071
Ion Ratio Lower Upper
91 100
106 33.7 25.4 38.0



#68
m/p-Xylenes
Concen: 4.316 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

Tgt Ion: 106 Resp: 20175
Ion Ratio Lower Upper
106 100
91 206.4 162.2 243.2

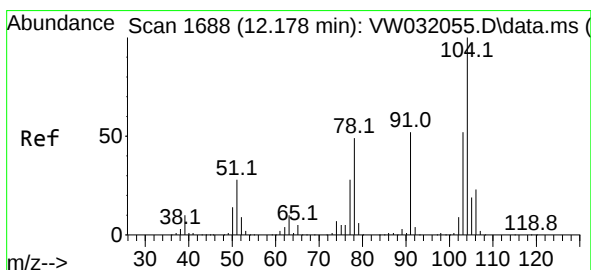
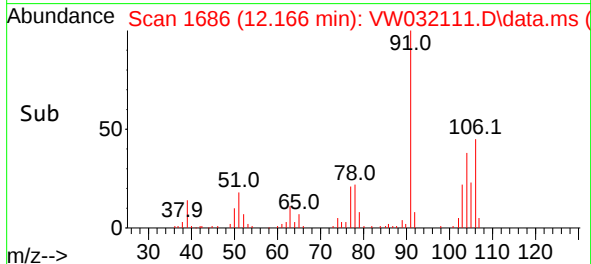
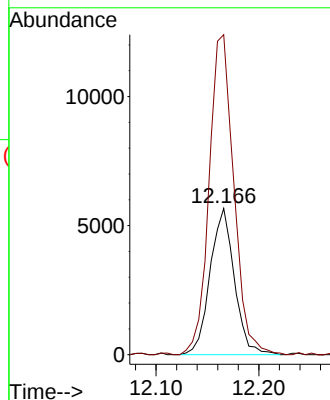
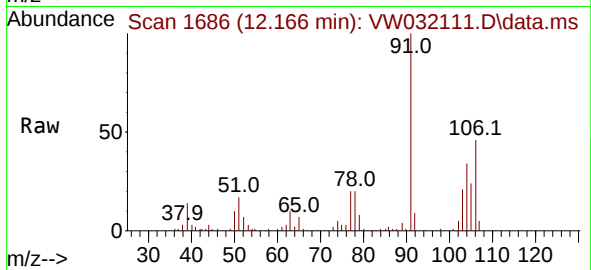




#69
o-Xylene
Concen: 2.150 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

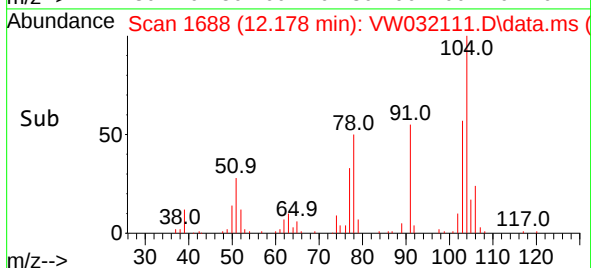
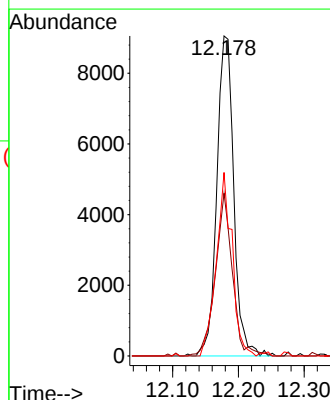
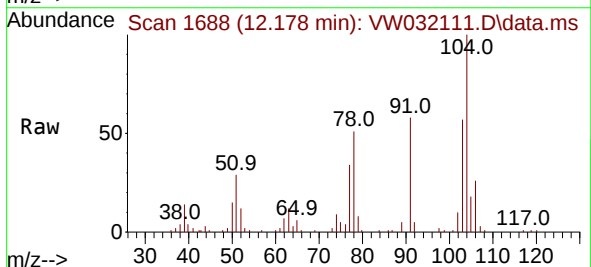
Instrument : MSVOA_W
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

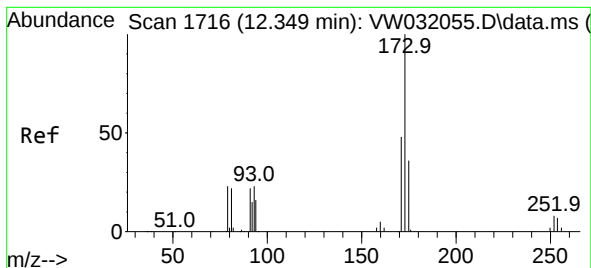
Tgt Ion:106 Resp: 9291
Ion Ratio Lower Upper
106 100
91 222.9 110.8 332.3



#70
Styrene
Concen: 2.117 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

Tgt Ion:104 Resp: 16246
Ion Ratio Lower Upper
104 100
78 51.0 41.2 61.8
103 53.7 43.8 65.8





#71

Bromoform

Concen: 2.897 ug/l

RT: 12.349 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW032111.D

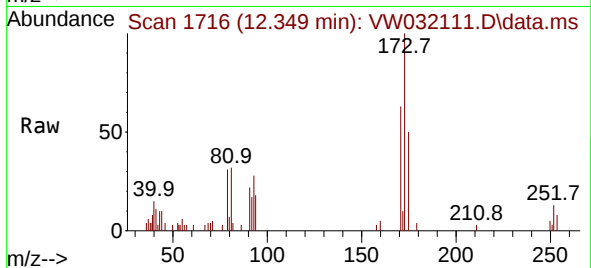
Acq: 22 Aug 2025 15:24

Instrument :

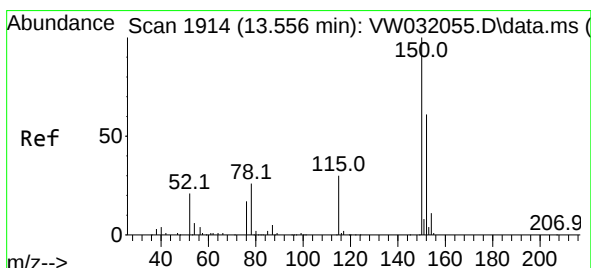
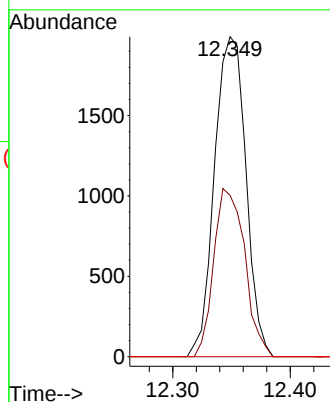
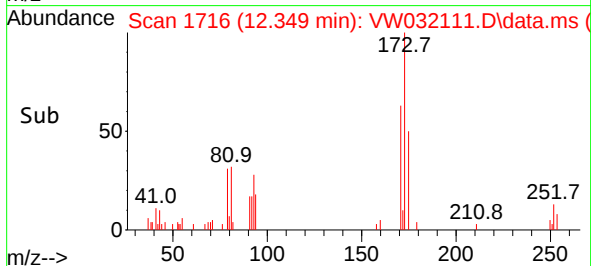
MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025



Tgt Ion:	173	Resp:	3698
Ion Ratio	Lower	Upper	
173	100		
175	51.7	22.9	68.7
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

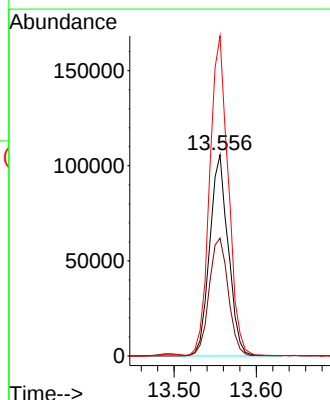
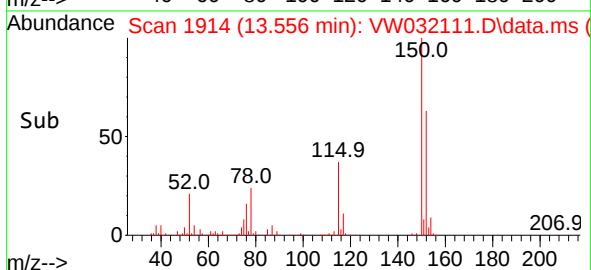
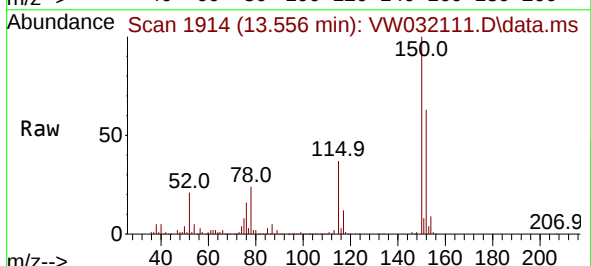
RT: 13.556 min Scan# 1914

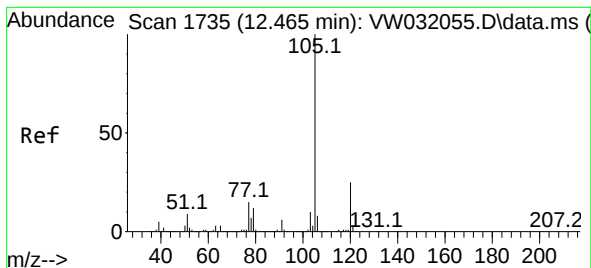
Delta R.T. 0.000 min

Lab File: VW032111.D

Acq: 22 Aug 2025 15:24

Tgt Ion:	152	Resp:	165571
Ion Ratio	Lower	Upper	
152	100		
115	60.4	32.6	97.8
150	158.6	0.0	359.4

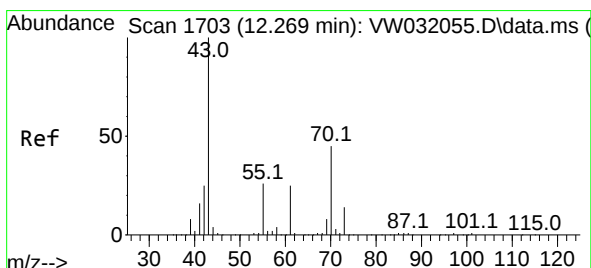
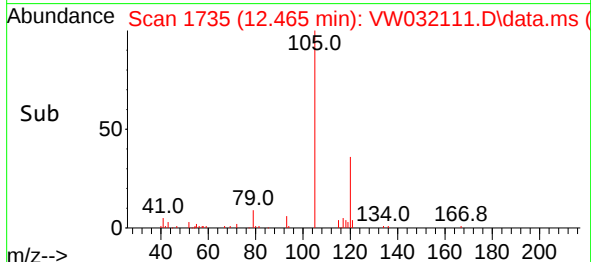
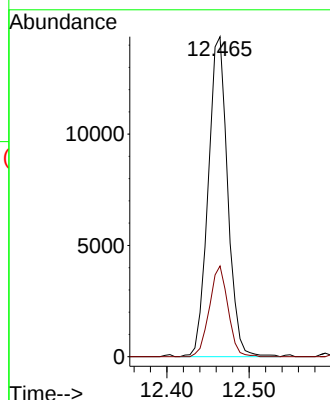
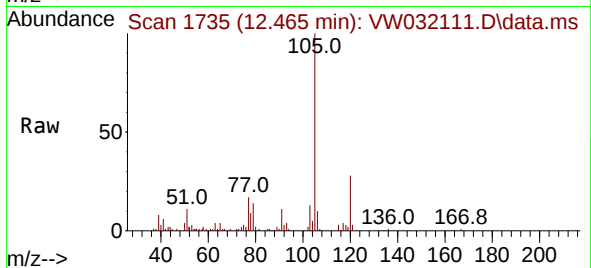




#73
Isopropylbenzene
Concen: 2.047 ug/l
RT: 12.465 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

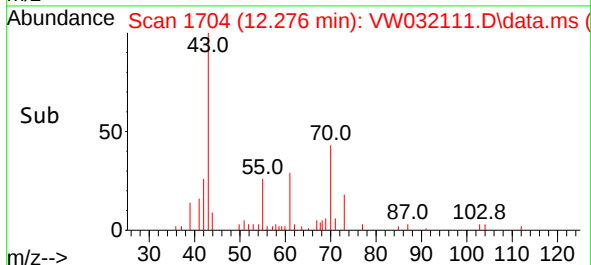
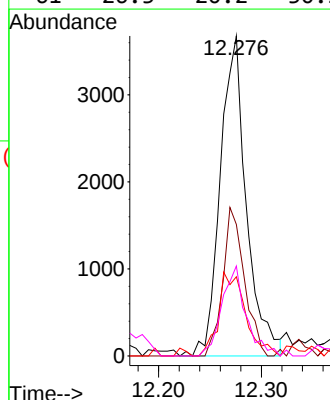
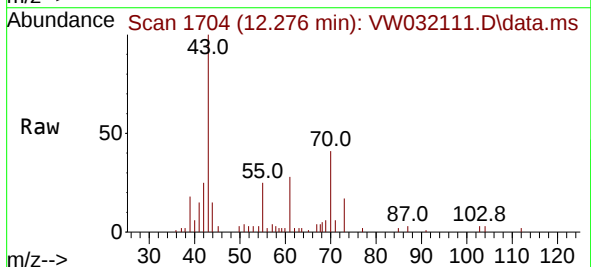
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

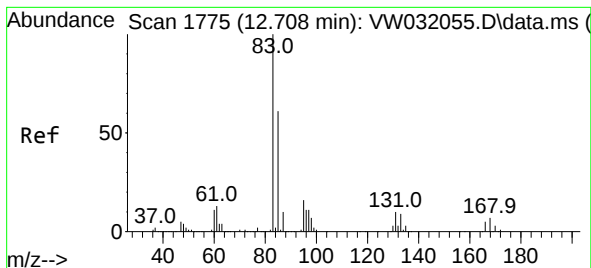
Tgt Ion:105 Resp: 23687
Ion Ratio Lower Upper
105 100
120 27.0 12.8 38.4



#74
N-ethyl acetate
Concen: 1.956 ug/l
RT: 12.276 min Scan# 1704
Delta R.T. 0.006 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

Tgt Ion: 43 Resp: 6492
Ion Ratio Lower Upper
43 100
70 38.2 37.0 55.4
55 26.8 21.1 31.7
61 26.3 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 2.503 ug/l

RT: 12.715 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW032111.D

Acq: 22 Aug 2025 15:24

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

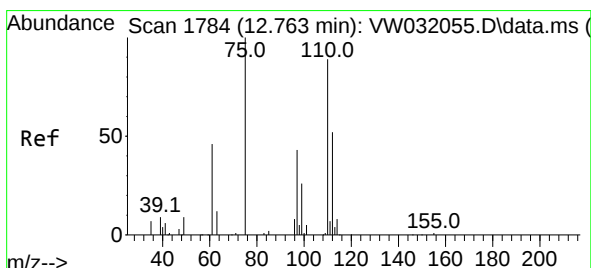
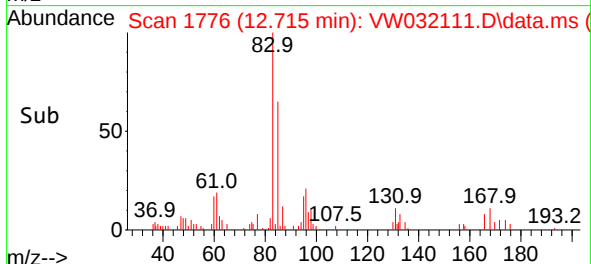
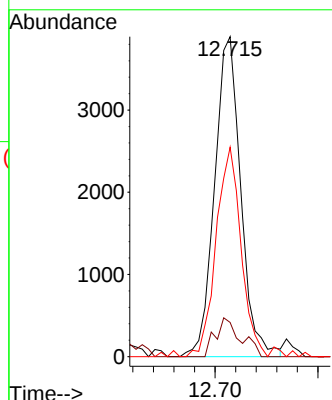
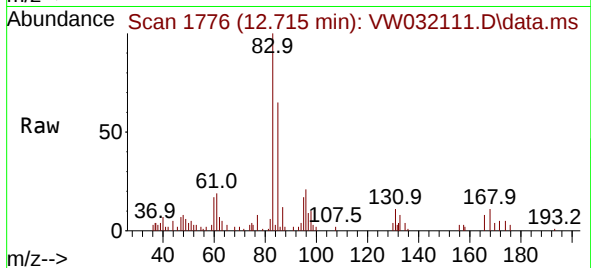
Tgt Ion: 83 Resp: 6876

Ion Ratio Lower Upper

83 100

131 11.7 5.1 15.4

85 62.3 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 3.746 ug/l

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW032111.D

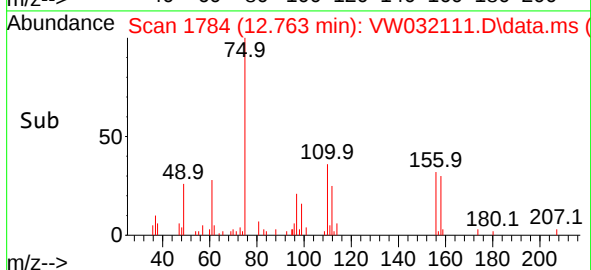
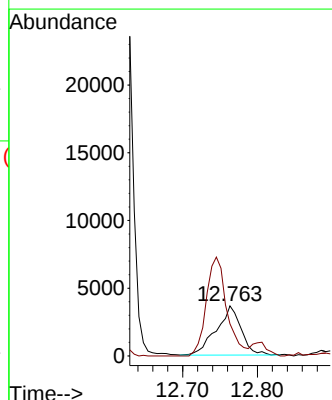
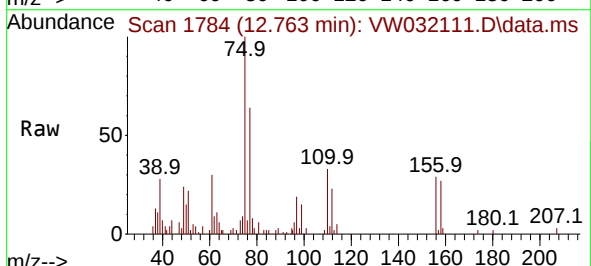
Acq: 22 Aug 2025 15:24

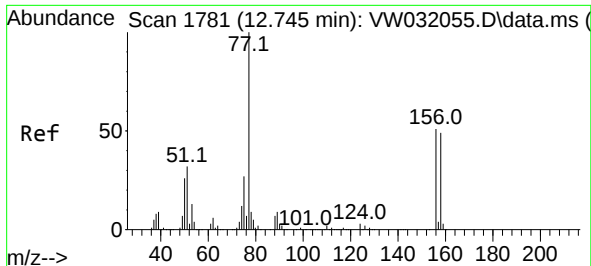
Tgt Ion: 75 Resp: 8418

Ion Ratio Lower Upper

75 100

77 166.0 123.5 370.5

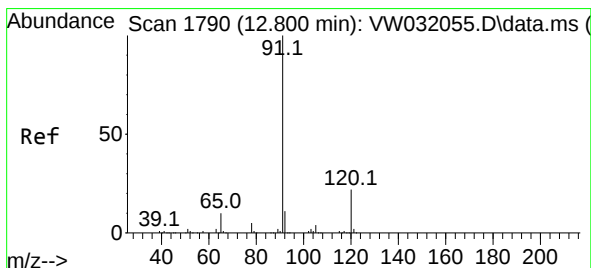
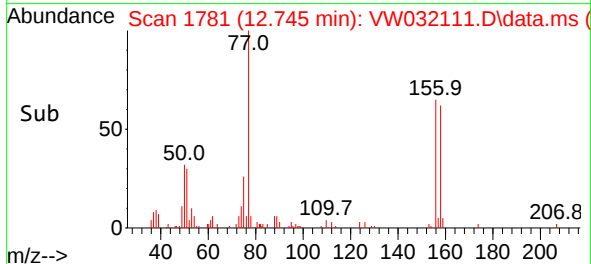
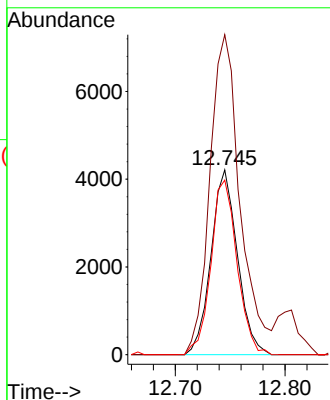
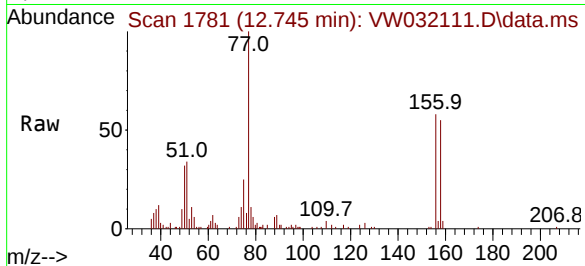




#77
Bromobenzene
Concen: 2.555 ug/l
RT: 12.745 min Scan# 1781
Delta R.T. 0.000 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

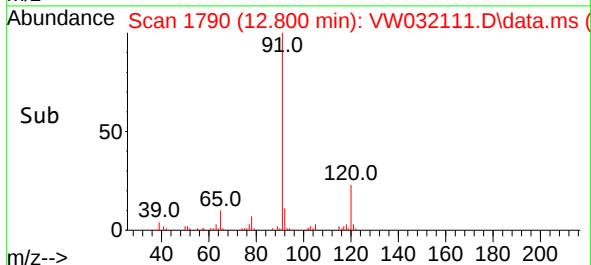
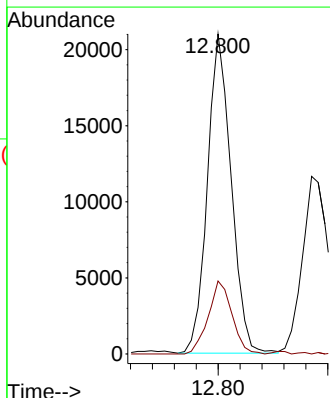
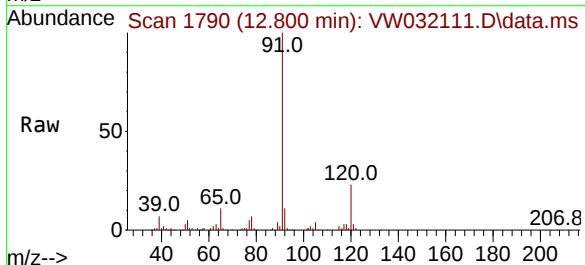
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

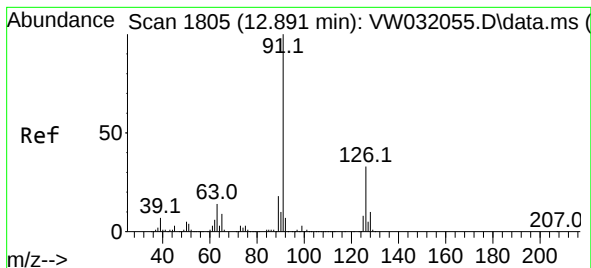
Tgt Ion:156 Resp: 7062
Ion Ratio Lower Upper
156 100
77 197.8 108.7 326.3
158 93.5 48.3 144.9



#78
n-propylbenzene
Concen: 2.216 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

Tgt Ion: 91 Resp: 31574
Ion Ratio Lower Upper
91 100
120 22.8 11.1 33.3





#79

2-Chlorotoluene

Concen: 2.197 ug/l

RT: 12.885 min Scan# 1804

Delta R.T. -0.006 min

Lab File: VW032111.D

Acq: 22 Aug 2025 15:24

Instrument :

MSVOA_W

ClientSampleId :

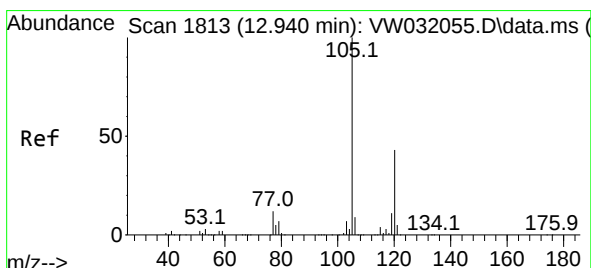
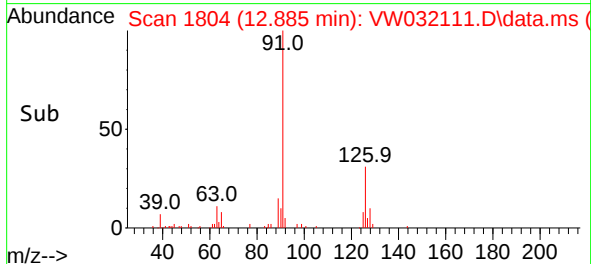
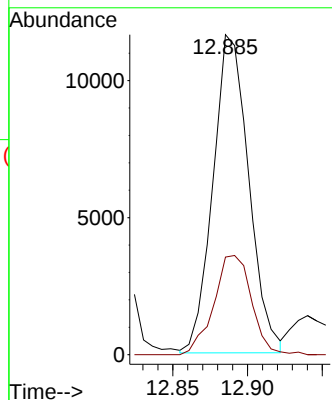
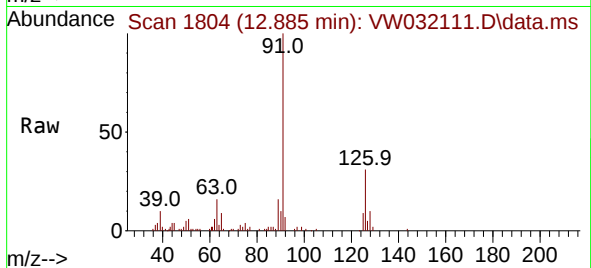
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 91 Resp: 19315

Ion Ratio Lower Upper

91 100

126 32.9 15.9 47.7



#80

1,3,5-Trimethylbenzene

Concen: 2.001 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW032111.D

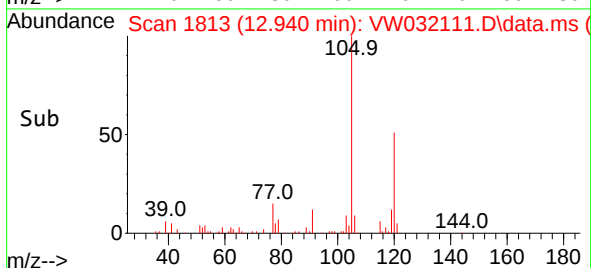
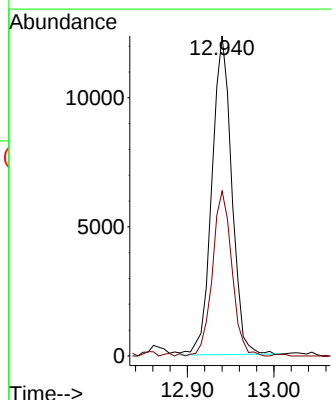
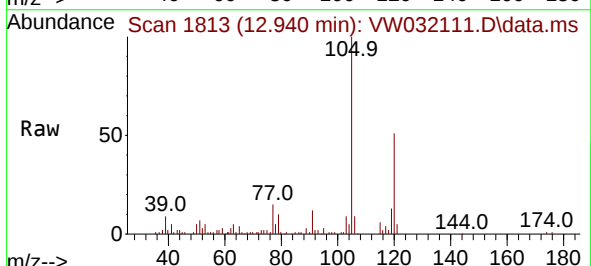
Acq: 22 Aug 2025 15:24

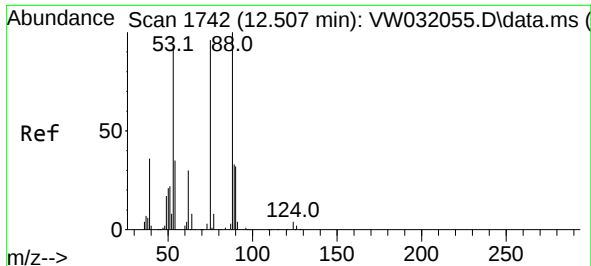
Tgt Ion: 105 Resp: 19653

Ion Ratio Lower Upper

105 100

120 50.7 23.4 70.0

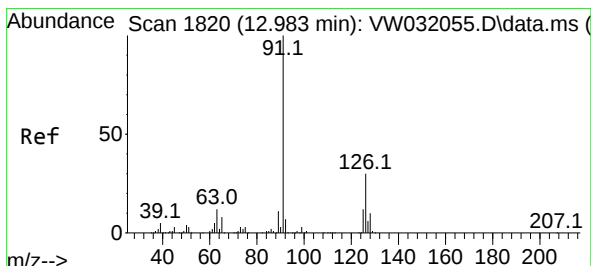
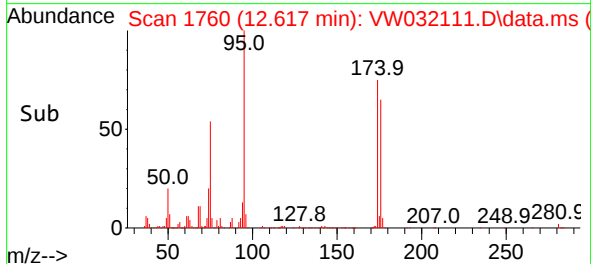
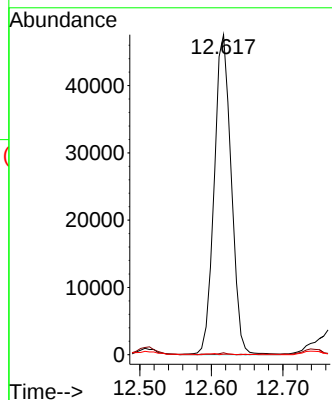
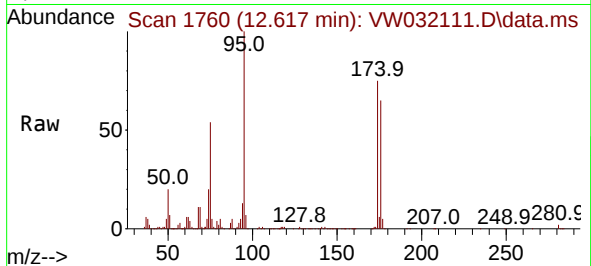




#81
trans-1,4-Dichloro-2-butene
Concen: 90.587 ug/l
RT: 12.617 min Scan# 1742
Delta R.T. 0.110 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

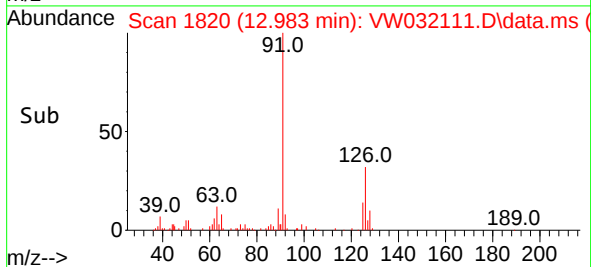
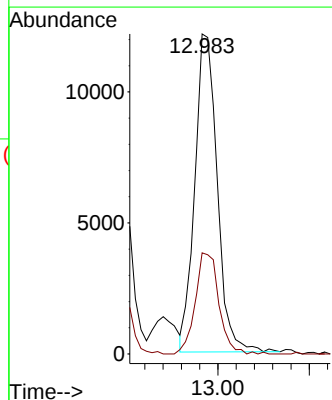
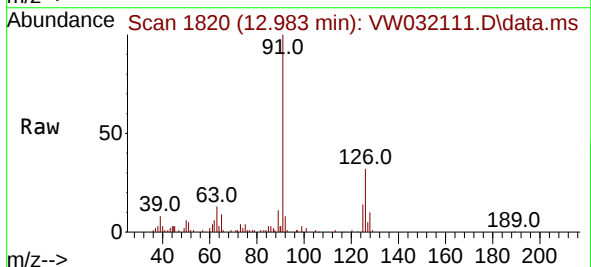
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

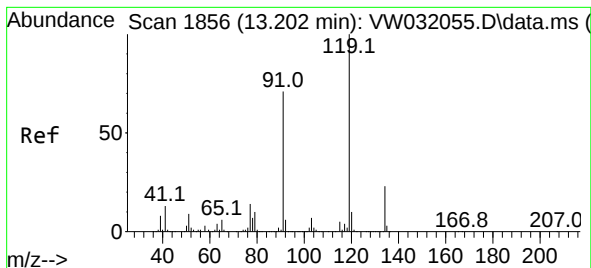
Tgt Ion: 75 Resp: 78630
Ion Ratio Lower Upper
75 100
53 0.4 81.0 121.6#
89 0.2 37.3 55.9#



#82
4-Chlorotoluene
Concen: 2.215 ug/l
RT: 12.983 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VW032111.D
Acq: 22 Aug 2025 15:24

Tgt Ion: 91 Resp: 20690
Ion Ratio Lower Upper
91 100
126 33.5 15.5 46.5





#83

tert-Butylbenzene

Concen: 2.152 ug/l

RT: 13.202 min Scan# 1856

Delta R.T. 0.000 min

Lab File: VW032111.D

Acq: 22 Aug 2025 15:24

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

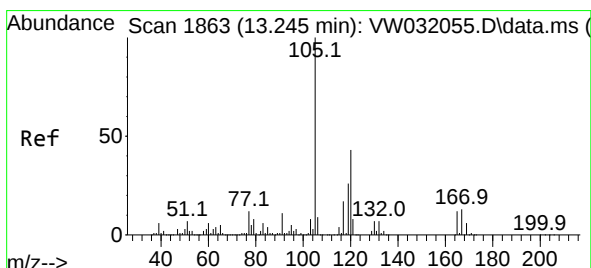
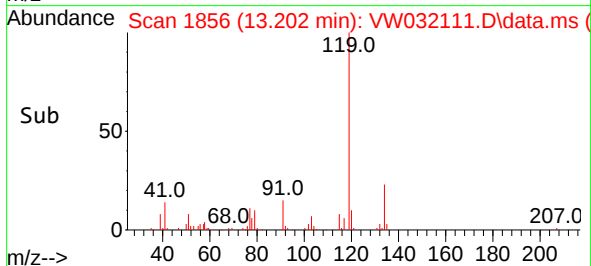
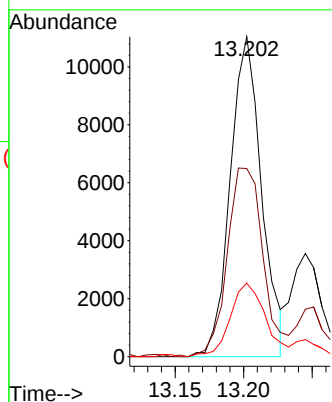
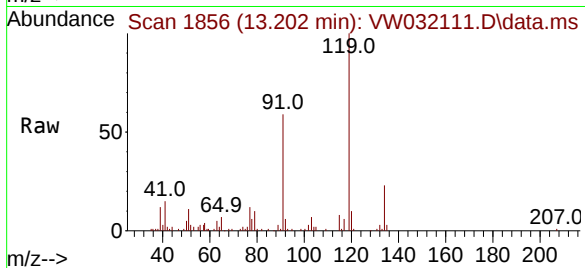
Tgt Ion:119 Resp: 17546

Ion Ratio Lower Upper

119 100

91 67.9 35.3 105.9

134 25.7 12.1 36.3



#84

1,2,4-Trimethylbenzene

Concen: 2.131 ug/l

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW032111.D

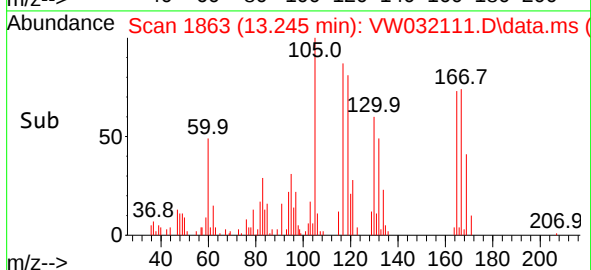
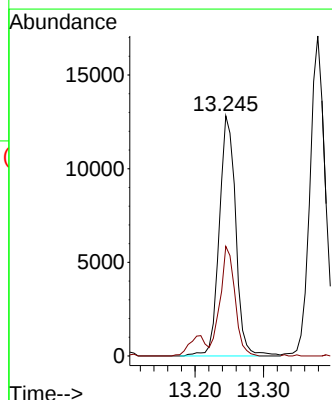
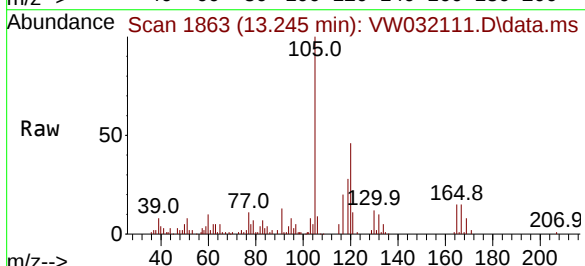
Acq: 22 Aug 2025 15:24

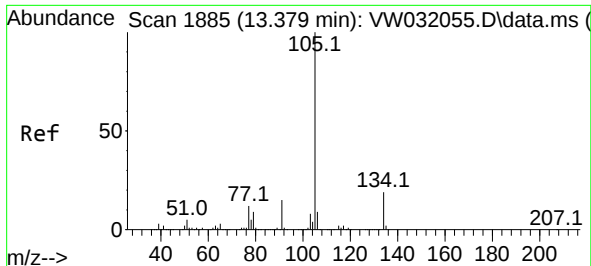
Tgt Ion:105 Resp: 21308

Ion Ratio Lower Upper

105 100

120 41.1 21.6 64.8

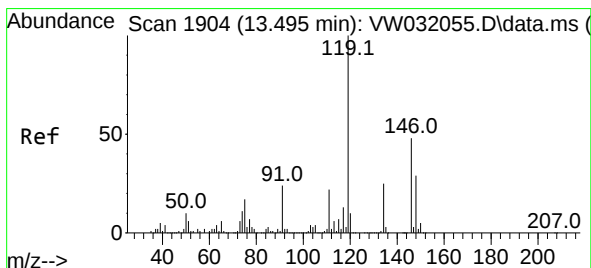
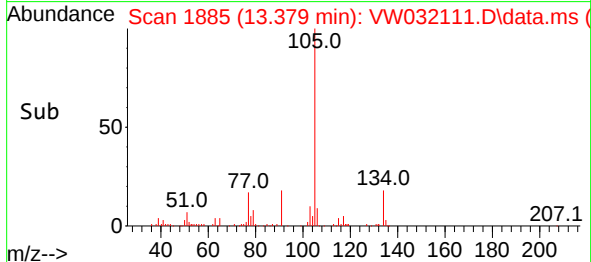
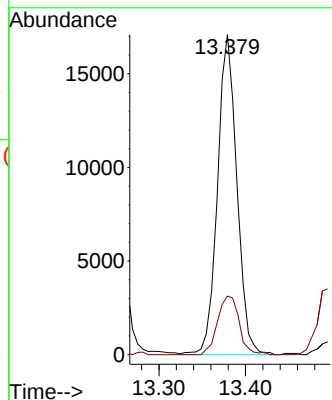
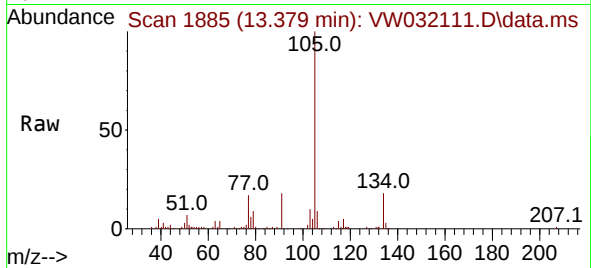




#85
 sec-Butylbenzene
 Concen: 2.151 ug/l
 RT: 13.379 min Scan# 1885
 Delta R.T. 0.000 min
 Lab File: VW032111.D
 Acq: 22 Aug 2025 15:24

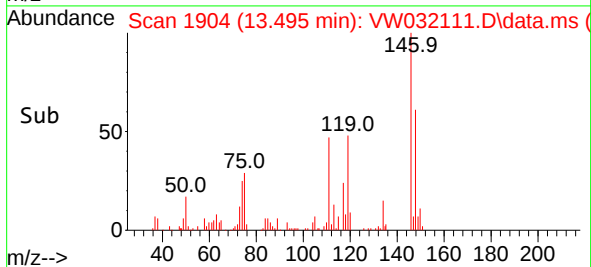
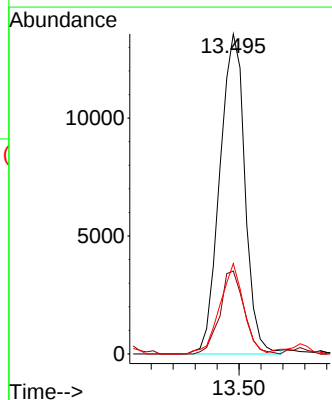
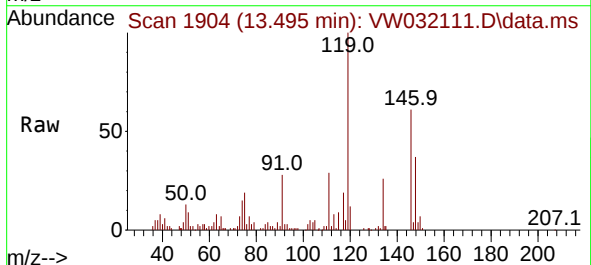
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

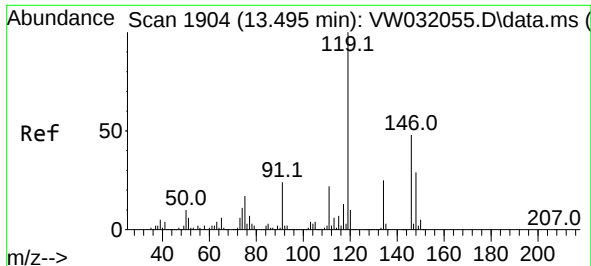
Tgt Ion:105 Resp: 26511
 Ion Ratio Lower Upper
 105 100
 134 20.5 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 2.104 ug/l
 RT: 13.495 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VW032111.D
 Acq: 22 Aug 2025 15:24

Tgt Ion:119 Resp: 21619
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.4 37.0
 91 26.6 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 2.564 ug/l

RT: 13.501 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VW032111.D

Acq: 22 Aug 2025 15:24

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

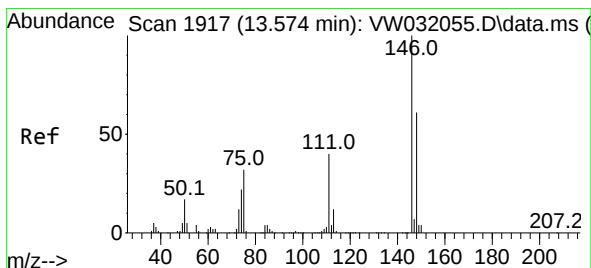
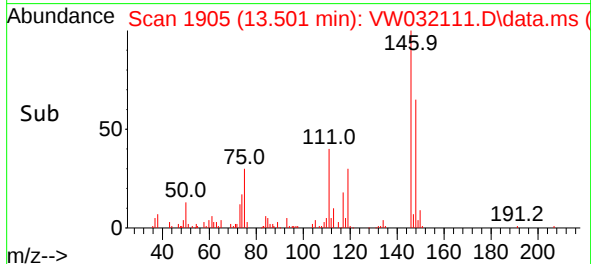
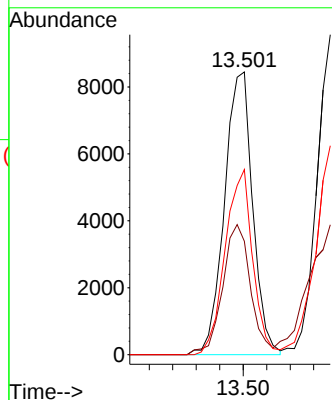
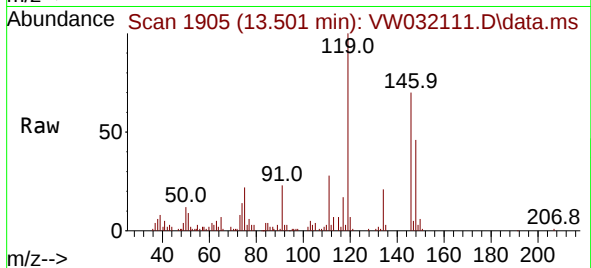
Tgt Ion:146 Resp: 14098

Ion Ratio Lower Upper

146 100

111 45.5 21.2 63.6

148 63.9 30.3 90.8



#88

1,4-Dichlorobenzene

Concen: 2.906 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW032111.D

Acq: 22 Aug 2025 15:24

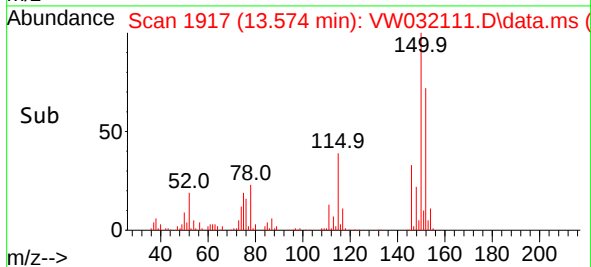
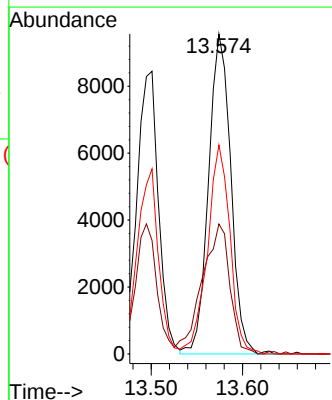
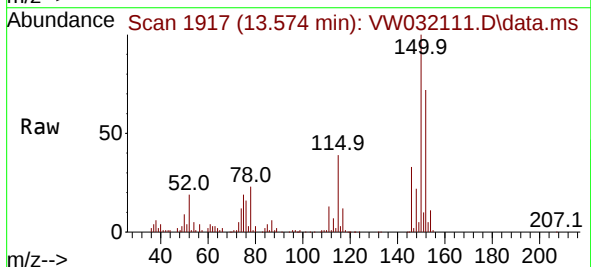
Tgt Ion:146 Resp: 16150

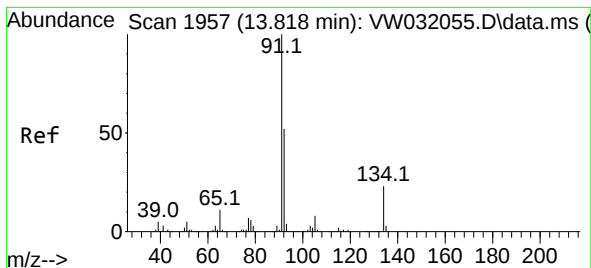
Ion Ratio Lower Upper

146 100

111 50.7 21.6 64.6

148 66.4 32.0 96.2





#89

n-Butylbenzene

Concen: 2.181 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VW032111.D

Acq: 22 Aug 2025 15:24

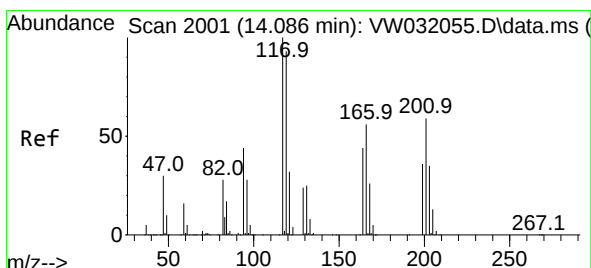
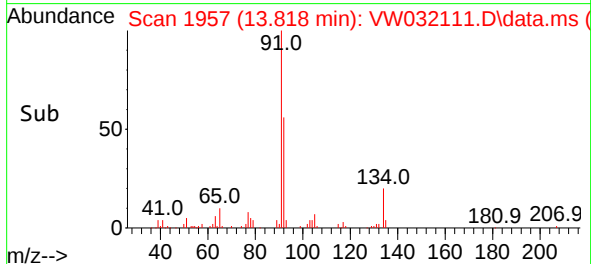
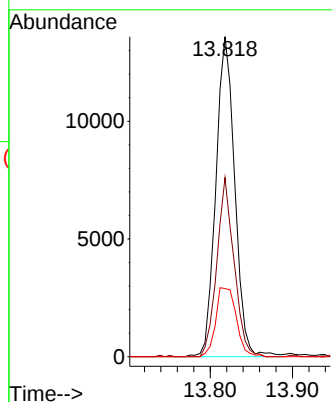
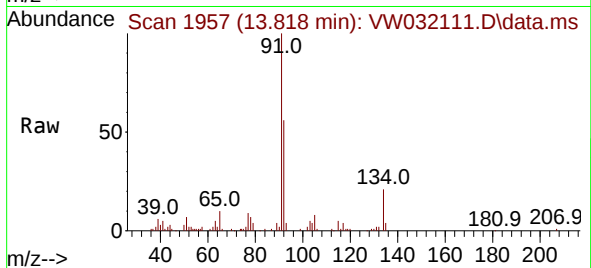
Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:	91	Resp:	21772
Ion	Ratio	Lower	Upper
91	100		
92	51.0	26.7	80.1
134	23.4	12.0	36.1



#90

Hexachloroethane

Concen: 2.561 ug/l

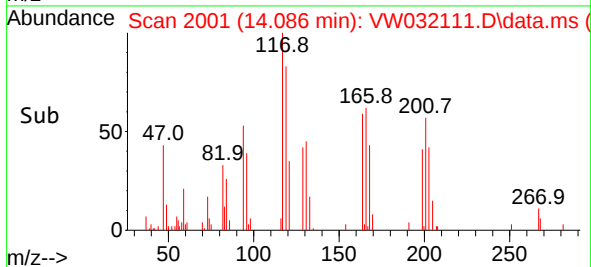
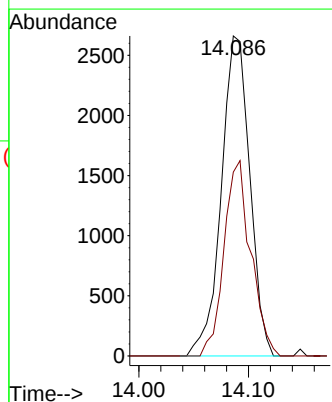
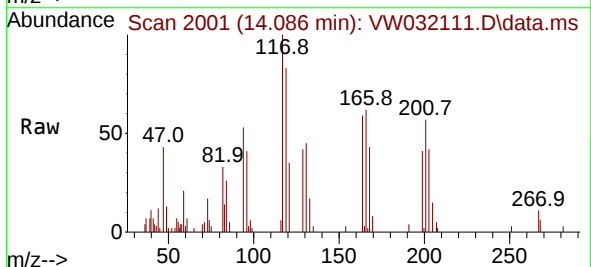
RT: 14.086 min Scan# 2001

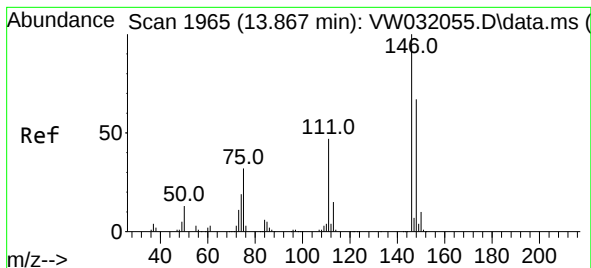
Delta R.T. 0.000 min

Lab File: VW032111.D

Acq: 22 Aug 2025 15:24

Tgt Ion:	117	Resp:	4813
Ion	Ratio	Lower	Upper
117	100		
201	57.3	30.9	92.5





#91

1,2-Dichlorobenzene

Concen: 2.663 ug/l

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW032111.D

Acq: 22 Aug 2025 15:24

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

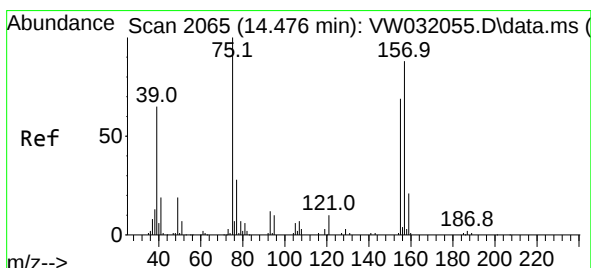
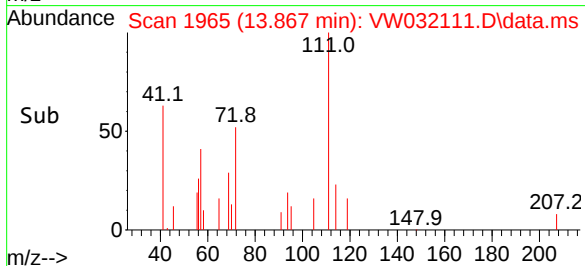
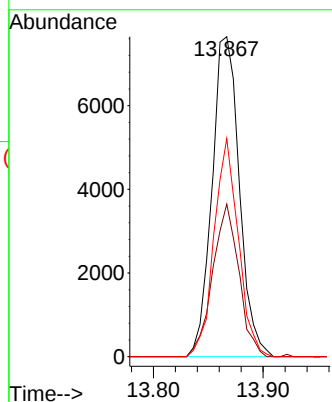
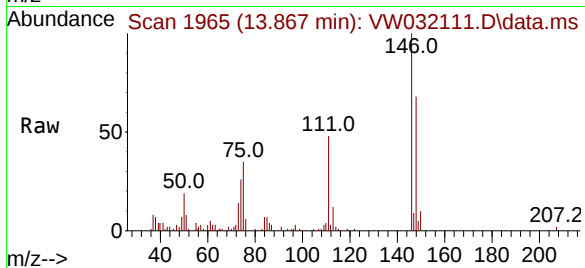
Tgt Ion:146 Resp: 13264

Ion Ratio Lower Upper

146 100

111 45.6 23.1 69.3

148 60.6 32.9 98.6



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.793 ug/l

RT: 14.470 min Scan# 2064

Delta R.T. -0.006 min

Lab File: VW032111.D

Acq: 22 Aug 2025 15:24

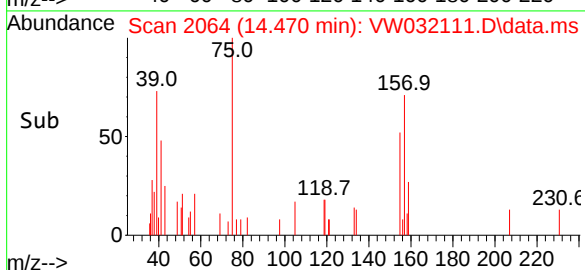
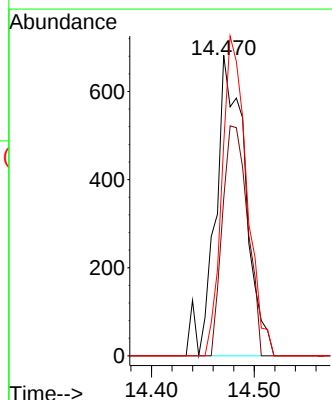
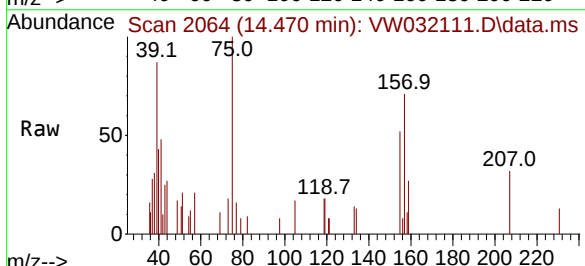
Tgt Ion: 75 Resp: 1364

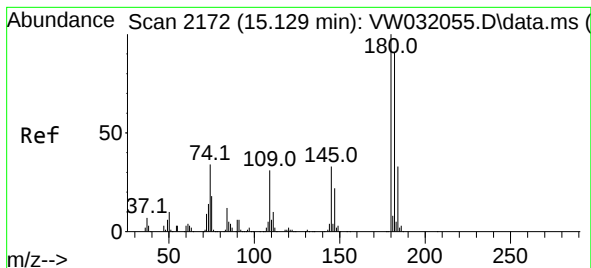
Ion Ratio Lower Upper

75 100

155 65.1 35.2 105.6

157 89.4 47.5 142.6





#93

1,2,4-Trichlorobenzene

Concen: 2.687 ug/l

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW032111.D

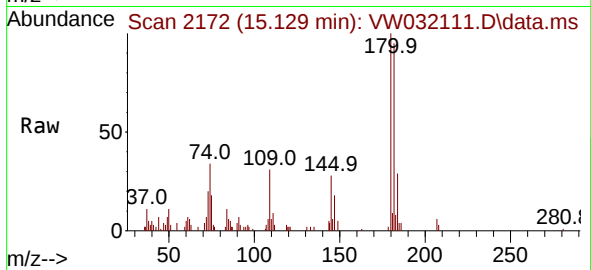
Acq: 22 Aug 2025 15:24

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025



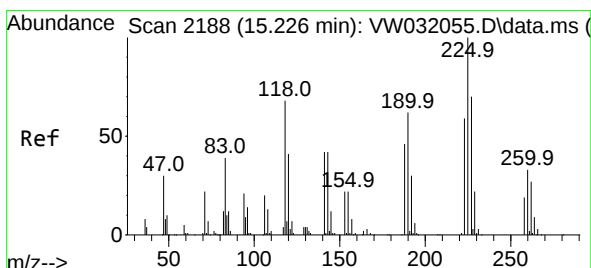
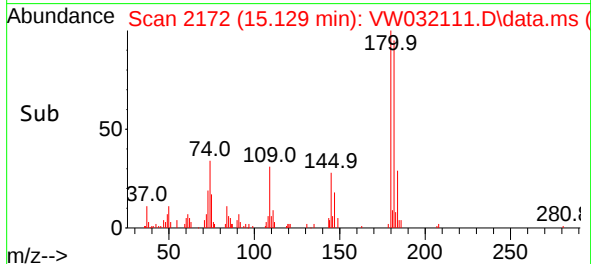
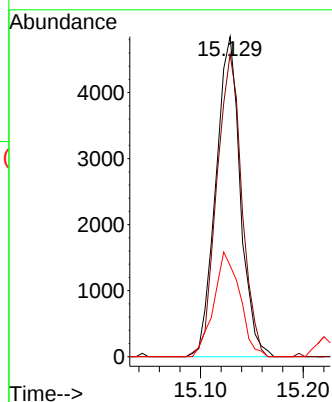
Tgt Ion:180 Resp: 8008

Ion Ratio Lower Upper

180 100

182 96.5 49.0 147.0

145 34.8 17.3 51.9



#94

Hexachlorobutadiene

Concen: 3.159 ug/l

RT: 15.226 min Scan# 2188

Delta R.T. 0.000 min

Lab File: VW032111.D

Acq: 22 Aug 2025 15:24

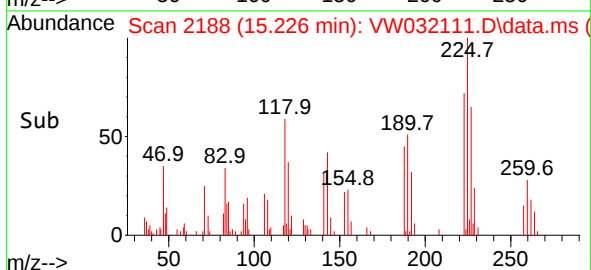
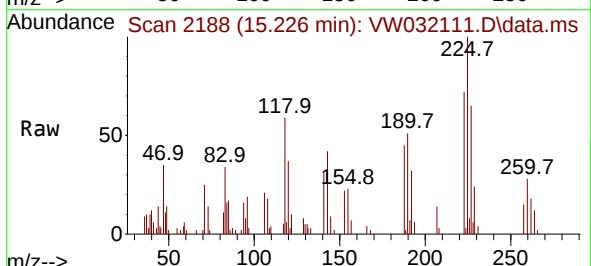
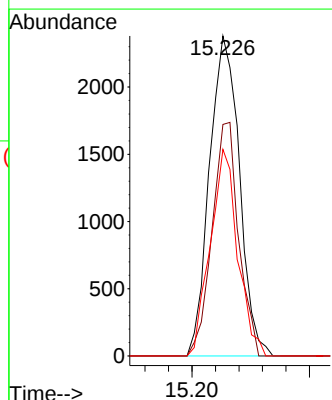
Tgt Ion:225 Resp: 4208

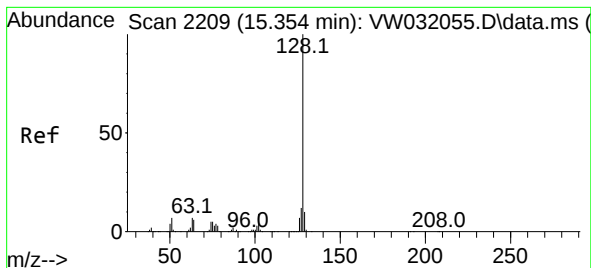
Ion Ratio Lower Upper

225 100

223 64.9 31.8 95.3

227 59.1 33.5 100.5





#95

Naphthalene

Concen: 2.238 ug/l

RT: 15.360 min Scan# 21

Delta R.T. 0.006 min

Lab File: VW032111.D

Acq: 22 Aug 2025 15:24

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

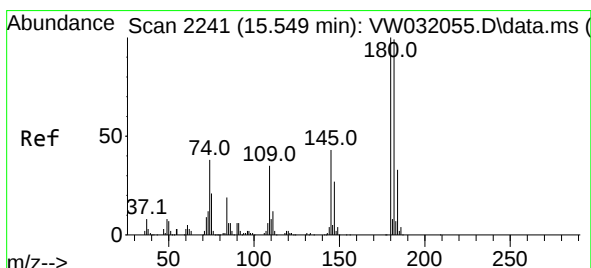
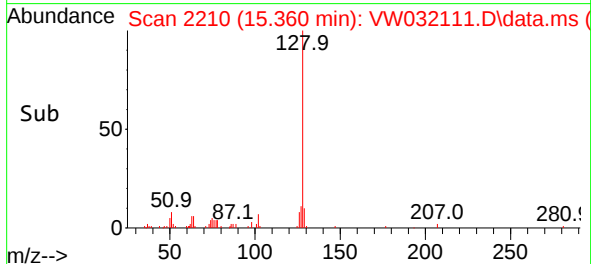
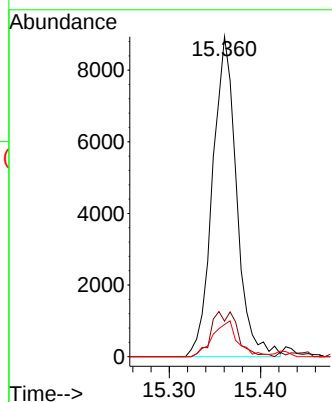
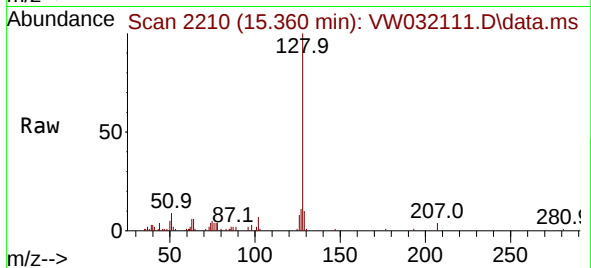
Tgt Ion:128 Resp: 16343

Ion Ratio Lower Upper

128 100

127 15.6 10.5 15.7

129 11.8 8.2 12.4



#96

1,2,3-Trichlorobenzene

Concen: 2.704 ug/l

RT: 15.555 min Scan# 2242

Delta R.T. 0.006 min

Lab File: VW032111.D

Acq: 22 Aug 2025 15:24

Tgt Ion:180 Resp: 7332

Ion Ratio Lower Upper

180 100

182 103.5 46.0 138.0

145 35.9 19.2 57.6

