

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
 Data File : VW032113.D
 Acq On : 22 Aug 2025 16:07
 Operator : SY/MD
 Sample : Q2983-02
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT3-2025

Quant Time: Aug 25 03:57:52 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	7.959	168	208799	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	374134	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	342142	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	179477	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	143896	47.650	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	95.300%
35) Dibromofluoromethane	7.904	113	119897	49.605	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	99.200%
50) Toluene-d8	10.330	98	432402	48.367	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	96.740%
62) 4-Bromofluorobenzene	12.617	95	155951	47.337	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	94.680%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.039	85	7392	4.950	ug/l	99
3) Chloromethane	2.259	50	8712	4.331	ug/l	100
4) Vinyl Chloride	2.405	62	10652	4.378	ug/l #	78
5) Bromomethane	2.820	94	9036	4.950	ug/l	90
6) Chloroethane	2.972	64	7100	4.410	ug/l	96
7) Trichlorofluoromethane	3.307	101	9290	4.766	ug/l	85
8) Diethyl Ether	3.722	74	8810	5.517	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.100	101	11454	4.981	ug/l	96
10) Methyl Iodide	4.307	142	16674	5.114	ug/l	95
11) Tert butyl alcohol	5.215	59	4870	24.905	ug/l #	93
12) 1,1-Dichloroethene	4.082	96	11633	4.594	ug/l	94
13) Acrolein	3.923	56	4535	14.555	ug/l	86
14) Allyl chloride	4.709	41	16104	4.370	ug/l	94
15) Acrylonitrile	5.411	53	16859	22.164	ug/l	96
16) Acetone	4.161	43	22242	31.812	ug/l	92
17) Carbon Disulfide	4.423	76	28260	4.158	ug/l	96
18) Methyl Acetate	4.709	43	11106	5.020	ug/l	95
19) Methyl tert-butyl Ether	5.459	73	20392	4.571	ug/l	96
20) Methylene Chloride	4.953	84	28536	8.827	ug/l	96
21) trans-1,2-Dichloroethene	5.453	96	11749	4.372	ug/l	89
22) Diisopropyl ether	6.349	45	32894	4.234	ug/l	92
23) Vinyl Acetate	6.288	43	103564	20.303	ug/l	99
24) 1,1-Dichloroethane	6.246	63	22564	4.546	ug/l	97
25) 2-Butanone	7.203	43	23350	23.498	ug/l	93
26) 2,2-Dichloropropane	7.191	77	12183	4.892	ug/l	99
27) cis-1,2-Dichloroethene	7.197	96	14613	4.652	ug/l	95
28) Bromochloromethane	7.532	49	10580	4.684	ug/l	96
29) Tetrahydrofuran	7.550	42	12809	19.546	ug/l	91
30) Chloroform	7.691	83	26051	4.950	ug/l	91
31) Cyclohexane	7.965	56	21227	4.932	ug/l #	84
32) 1,1,1-Trichloroethane	7.892	97	18305	4.789	ug/l	97
36) 1,1-Dichloropropene	8.099	75	16117	4.730	ug/l	97
37) Ethyl Acetate	7.276	43	9429	4.699	ug/l #	93
38) Carbon Tetrachloride	8.081	117	17873	5.435	ug/l	95
39) Methylcyclohexane	9.343	83	17110	4.120	ug/l	94
40) Benzene	8.337	78	52169	4.926	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	5318	4.673	ug/l #	93
42) 1,2-Dichloroethane	8.416	62	18439	5.441	ug/l	100
43) Isopropyl Acetate	8.440	43	17082	4.627	ug/l	95
44) Trichloroethene	9.099	130	12982	5.147	ug/l	87
45) 1,2-Dichloropropane	9.379	63	11969	4.678	ug/l #	89
46) Dibromomethane	9.465	93	8660	5.244	ug/l	95
47) Bromodichloromethane	9.654	83	18873	4.960	ug/l	97
48) Methyl methacrylate	9.446	41	7736	4.340	ug/l #	87
49) 1,4-Dioxane	9.471	88	1735	81.254	ug/l #	64
51) 4-Methyl-2-Pentanone	10.215	43	49075	23.549	ug/l	96
52) Toluene	10.391	92	32956	4.940	ug/l	100
53) t-1,3-Dichloropropene	10.611	75	15244	4.276	ug/l	96
54) cis-1,3-Dichloropropene	10.080	75	17784	4.397	ug/l	93
55) 1,1,2-Trichloroethane	10.794	97	11470	5.227	ug/l	93
56) Ethyl methacrylate	10.653	69	12391	4.219	ug/l #	92
57) 1,3-Dichloropropane	10.934	76	18766	4.906	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.928	63	34181	21.043	ug/l	98
59) 2-Hexanone	10.971	43	34021	23.572	ug/l	95
60) Dibromochloromethane	11.129	129	12832	5.119	ug/l	95
61) 1,2-Dibromoethane	11.239	107	11130	5.219	ug/l	99
64) Tetrachloroethene	10.867	164	11802	5.972	ug/l	89
65) Chlorobenzene	11.659	112	37479	5.033	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.733	131	11991	5.161	ug/l	99
67) Ethyl Benzene	11.733	91	58569	4.643	ug/l	97
68) m/p-Xylenes	11.836	106	44081	9.056	ug/l	99
69) o-Xylene	12.165	106	20326	4.518	ug/l	98
70) Styrene	12.178	104	34976	4.377	ug/l	99
71) Bromoform	12.342	173	7389	5.559	ug/l #	92
73) Isopropylbenzene	12.464	105	50649	4.038	ug/l	96
74) N-amyl acetate	12.269	43	14867	4.131	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.714	83	13951	4.685	ug/l	96
76) 1,2,3-Trichloropropane	12.769	75	17093	7.017	ug/l #	1
77) Bromobenzene	12.751	156	15020	5.014	ug/l	87
78) n-propylbenzene	12.799	91	65528	4.243	ug/l	98
79) 2-Chlorotoluene	12.891	91	39020	4.094	ug/l	90
80) 1,3,5-Trimethylbenzene	12.940	105	42658	4.006	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.513	75	3576	3.801	ug/l	92
82) 4-Chlorotoluene	12.988	91	45244	4.468	ug/l	99
83) tert-Butylbenzene	13.202	119	36237	4.100	ug/l	98
84) 1,2,4-Trimethylbenzene	13.251	105	44422	4.098	ug/l	93
85) sec-Butylbenzene	13.379	105	54988	4.115	ug/l	100
86) p-Isopropyltoluene	13.494	119	46673	4.190	ug/l	98
87) 1,3-Dichlorobenzene	13.494	146	29329	4.920	ug/l	96
88) 1,4-Dichlorobenzene	13.574	146	30606	5.081	ug/l	95
89) n-Butylbenzene	13.818	91	45142	4.172	ug/l	98
90) Hexachloroethane	14.086	117	9046	4.441	ug/l	94
91) 1,2-Dichlorobenzene	13.866	146	26030	4.820	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.482	75	2650	5.005	ug/l	97
93) 1,2,4-Trichlorobenzene	15.122	180	15323	4.744	ug/l	97
94) Hexachlorobutadiene	15.232	225	8287	5.739	ug/l	93
95) Naphthalene	15.360	128	33462	4.228	ug/l	97
96) 1,2,3-Trichlorobenzene	15.549	180	14746	5.017	ug/l	96

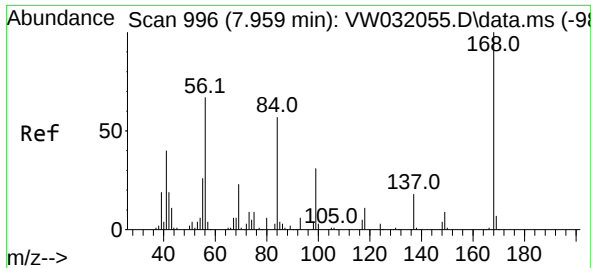
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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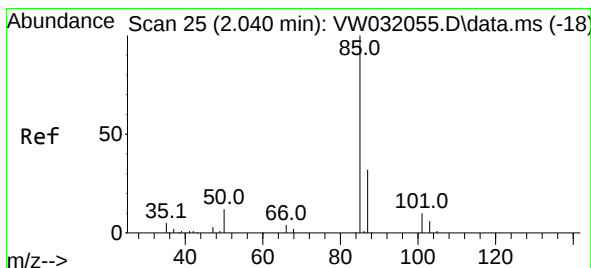
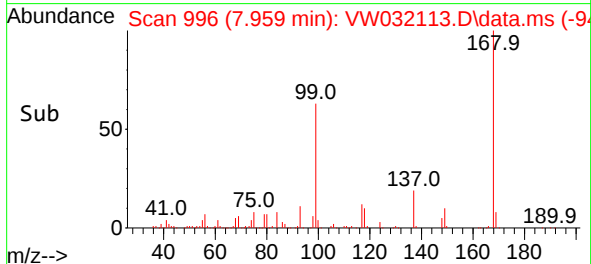
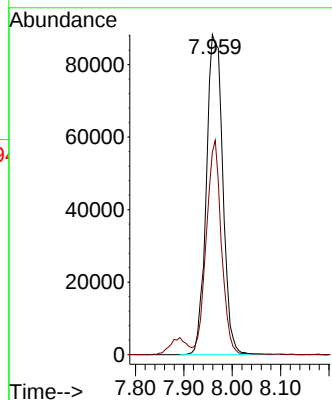
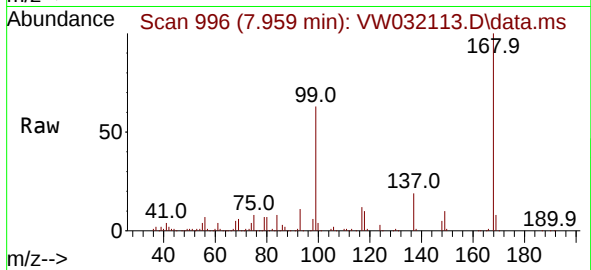
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

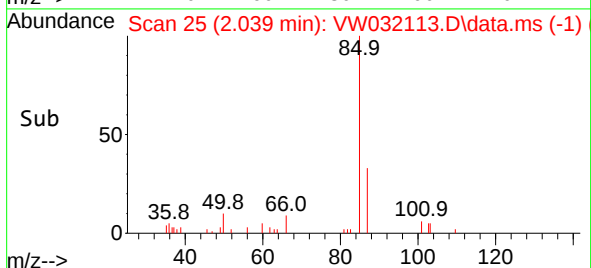
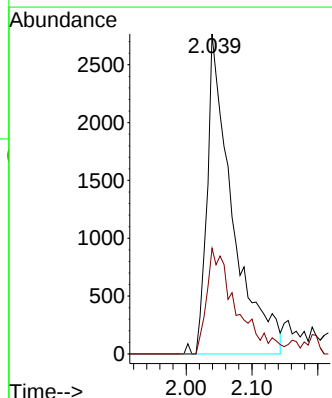
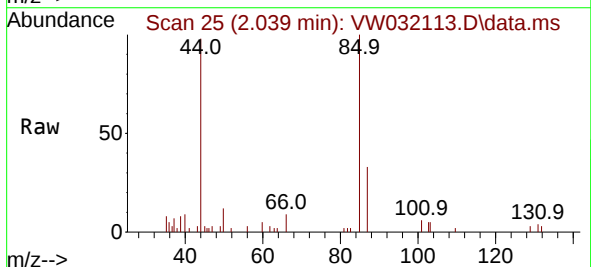
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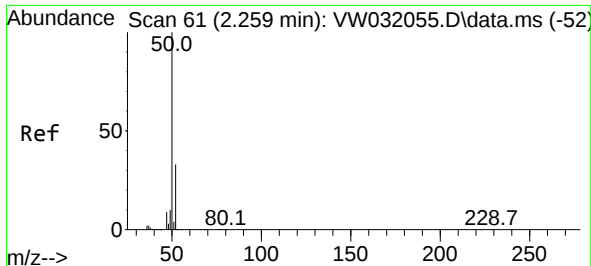
Tgt Ion:168 Resp: 208799
Ion Ratio Lower Upper
168 100
99 63.0 56.0 84.0



#2
Dichlorodifluoromethane
Concen: 4.950 ug/l
RT: 2.039 min Scan# 25
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

Tgt Ion: 85 Resp: 7392
Ion Ratio Lower Upper
85 100
87 33.0 16.2 48.6

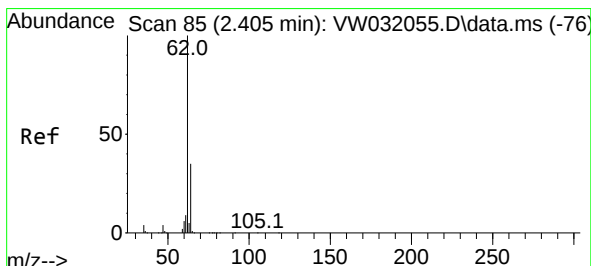
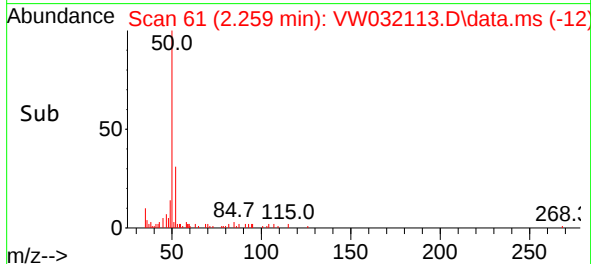
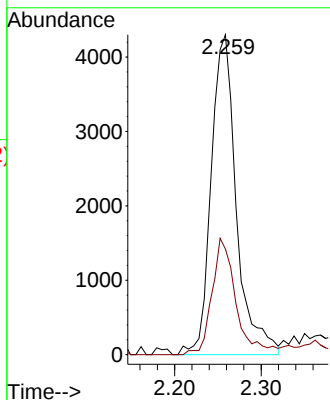
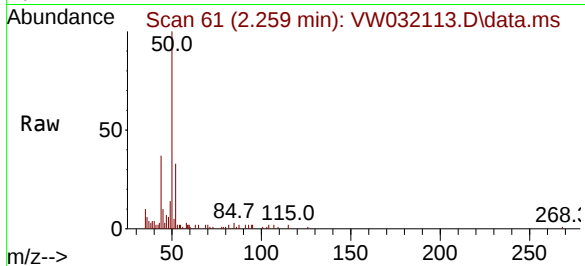




#3
Chloromethane
Concen: 4.331 ug/l
RT: 2.259 min Scan# 61
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

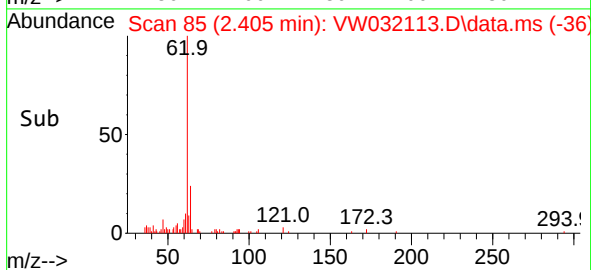
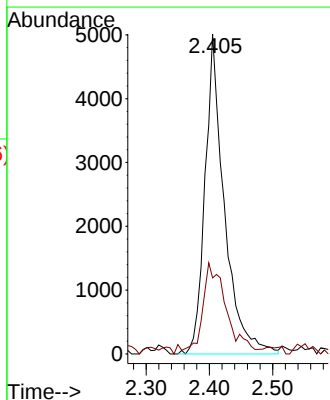
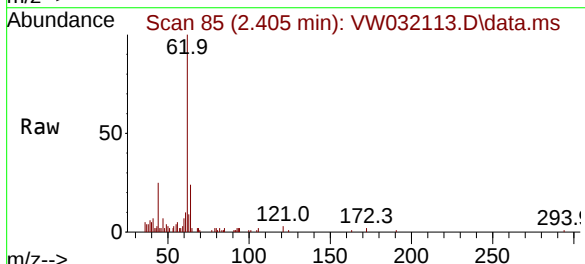
Instrument :
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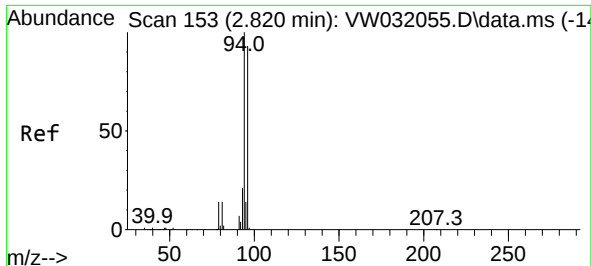
Tgt Ion: 50 Resp: 8712
Ion Ratio Lower Upper
50 100
52 33.1 26.6 39.8



#4
Vinyl Chloride
Concen: 4.378 ug/l
RT: 2.405 min Scan# 85
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

Tgt Ion: 62 Resp: 10652
Ion Ratio Lower Upper
62 100
64 21.7 27.8 41.6#

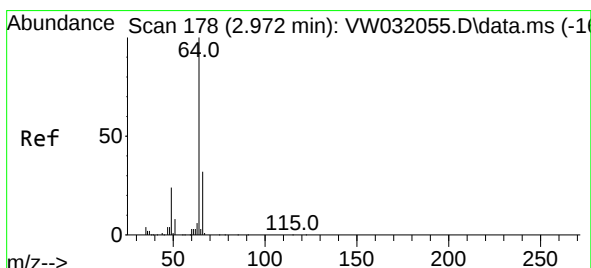
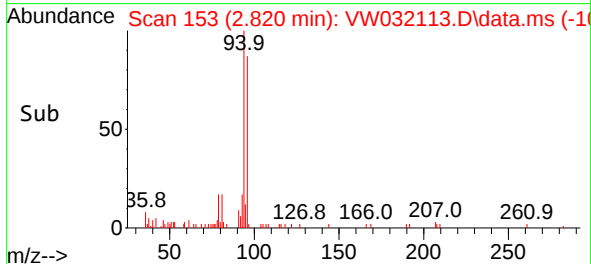
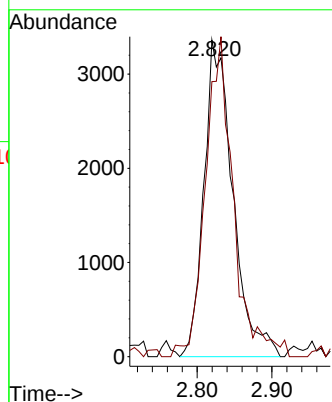
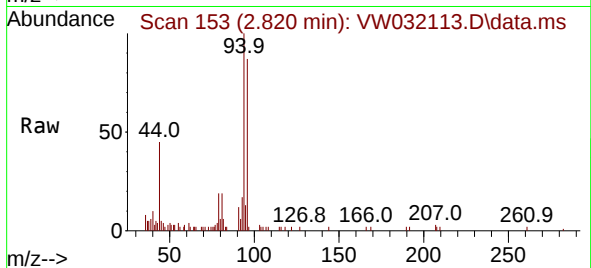




#5
Bromomethane
Concen: 4.950 ug/l
RT: 2.820 min Scan# 153
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

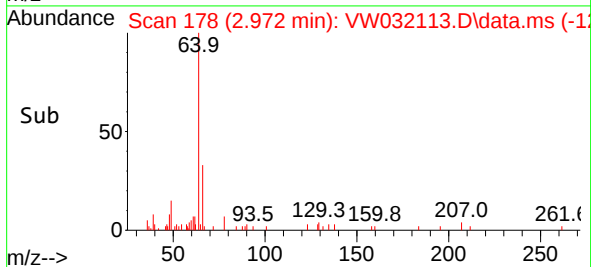
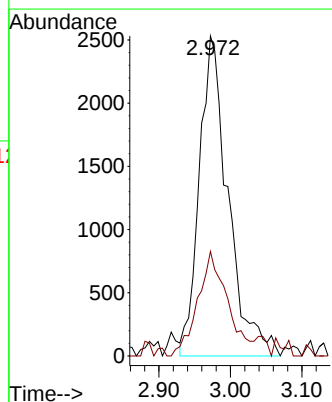
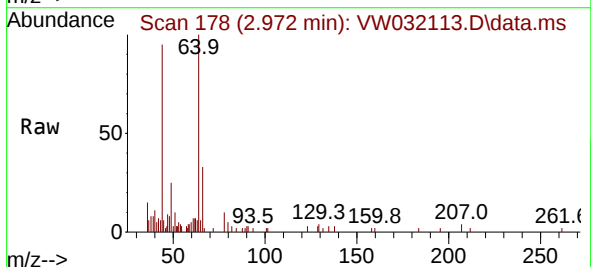
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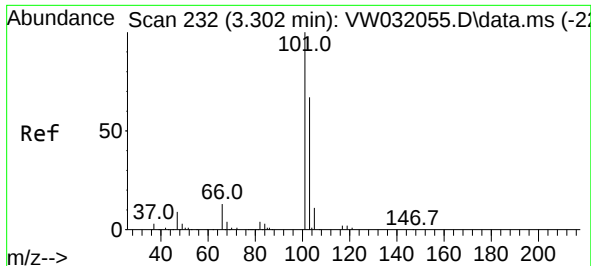
Tgt Ion: 94 Resp: 9036
Ion Ratio Lower Upper
94 100
96 83.8 74.7 112.1



#6
Chloroethane
Concen: 4.410 ug/l
RT: 2.972 min Scan# 178
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

Tgt Ion: 64 Resp: 7100
Ion Ratio Lower Upper
64 100
66 30.0 26.0 39.0

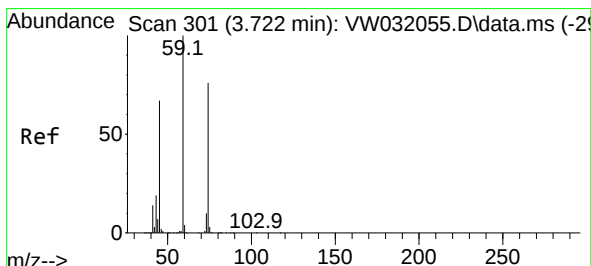
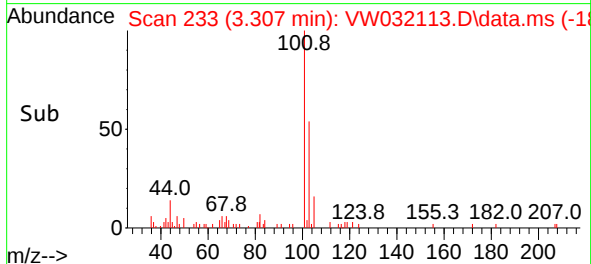
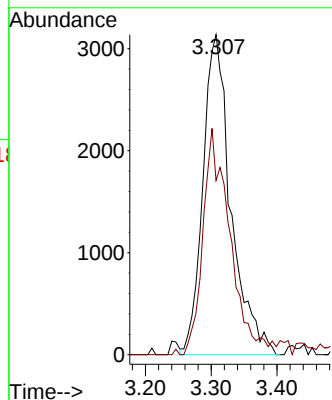
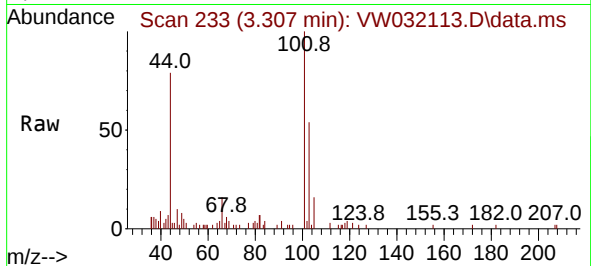




#7
 Trichlorofluoromethane
 Concen: 4.766 ug/l
 RT: 3.307 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VW032113.D
 Acq: 22 Aug 2025 16:07

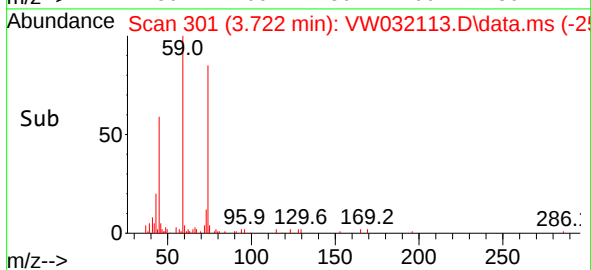
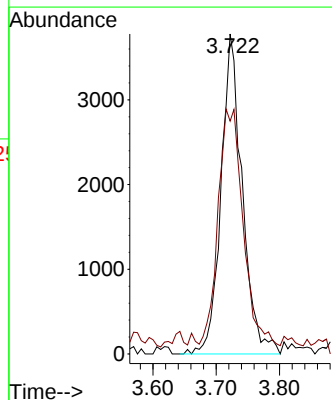
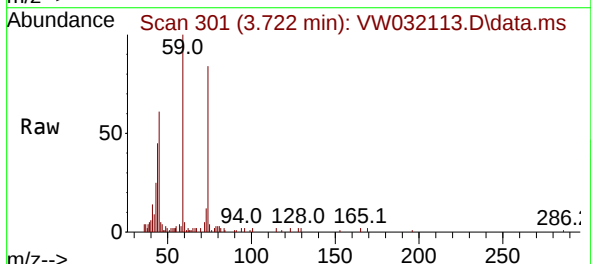
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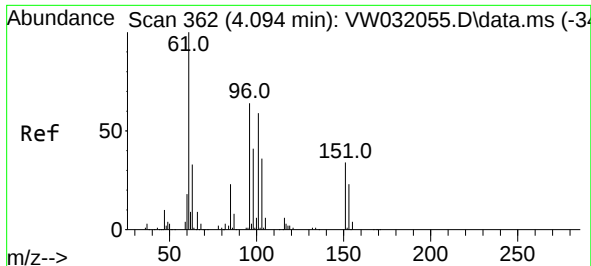
Tgt Ion:101 Resp: 9290
 Ion Ratio Lower Upper
 101 100
 103 54.4 53.4 80.0



#8
 Diethyl Ether
 Concen: 5.517 ug/l
 RT: 3.722 min Scan# 301
 Delta R.T. -0.000 min
 Lab File: VW032113.D
 Acq: 22 Aug 2025 16:07

Tgt Ion: 74 Resp: 8810
 Ion Ratio Lower Upper
 74 100
 45 86.5 45.4 136.2

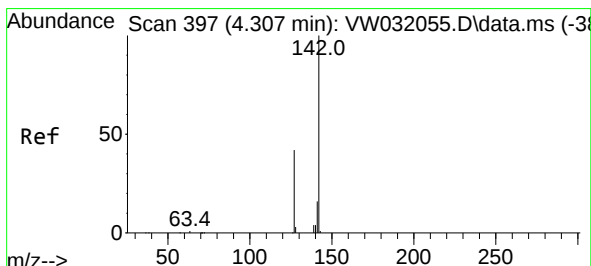
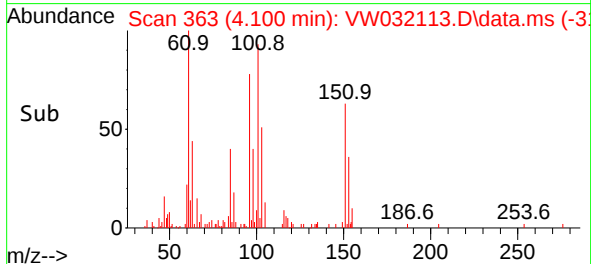
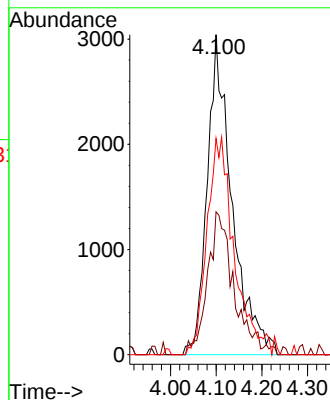
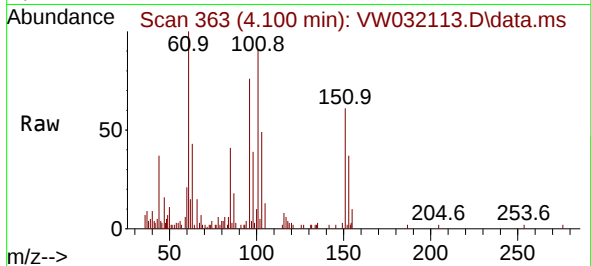




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.981 ug/l
RT: 4.100 min Scan# 363
Delta R.T. 0.006 min
Lab File: VW032113.D
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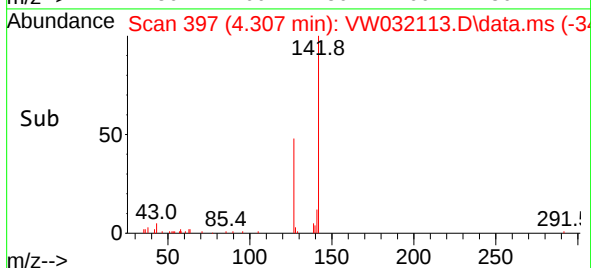
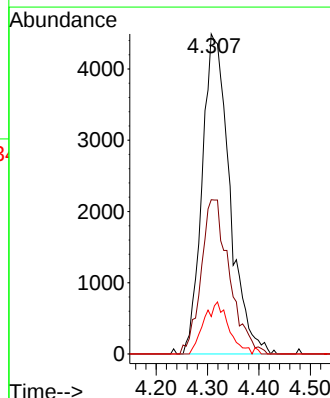
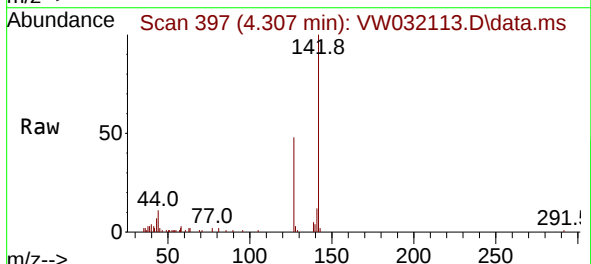
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025

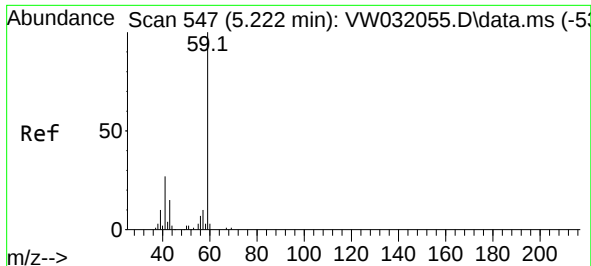
Tgt Ion:101 Resp: 11454
Ion Ratio Lower Upper
101 100
85 46.9 34.9 52.3
151 73.4 56.2 84.4



#10
Methyl Iodide
Concen: 5.114 ug/l
RT: 4.307 min Scan# 397
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

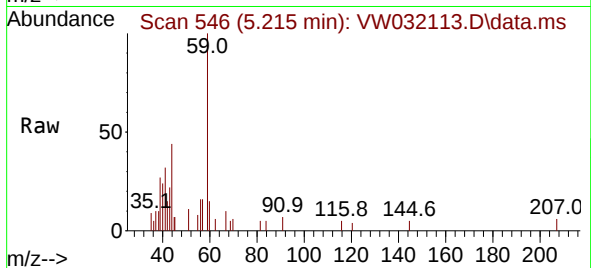
Tgt Ion:142 Resp: 16674
Ion Ratio Lower Upper
142 100
127 49.7 36.6 55.0
141 14.7 12.1 18.1



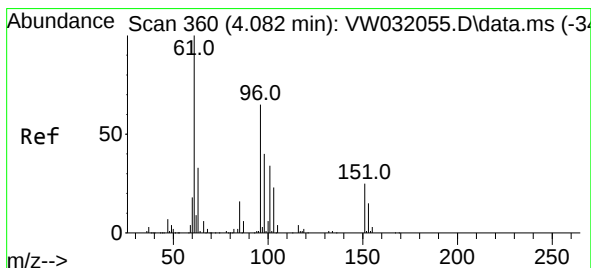
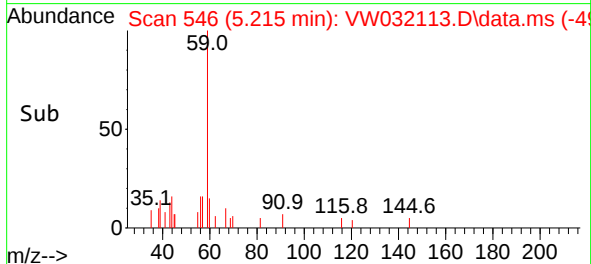
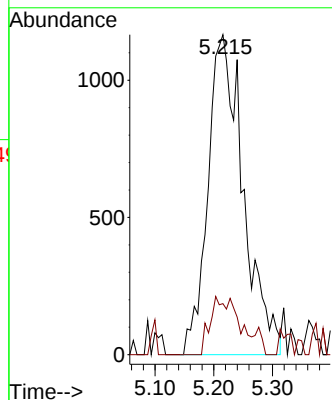


#11
Tert butyl alcohol
Concen: 24.905 ug/l
RT: 5.215 min Scan# 54
Delta R.T. -0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025

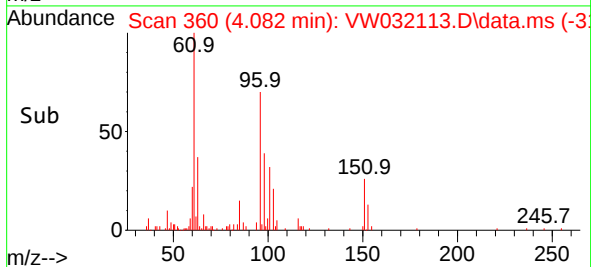
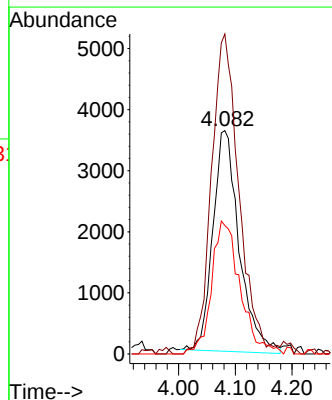
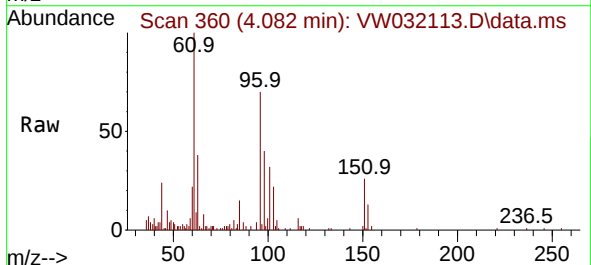


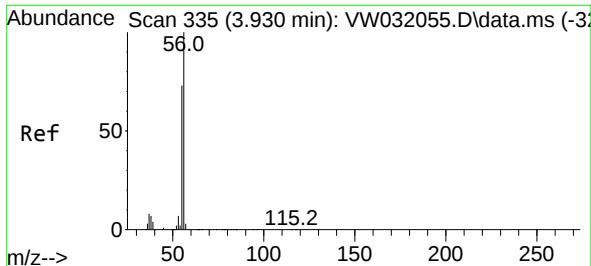
Tgt Ion: 59 Resp: 4870
Ion Ratio Lower Upper
59 100
57 8.1 8.7 13.1#



#12
1,1-Dichloroethene
Concen: 4.594 ug/l
RT: 4.082 min Scan# 360
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

Tgt Ion: 96 Resp: 11633
Ion Ratio Lower Upper
96 100
61 146.3 123.4 185.2
98 58.7 49.5 74.3

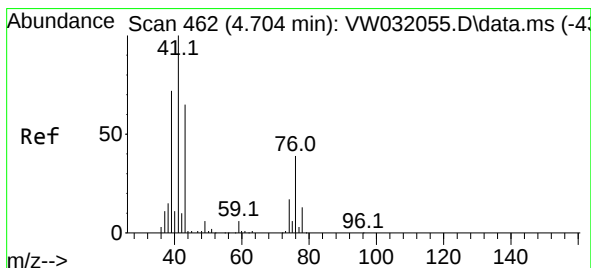
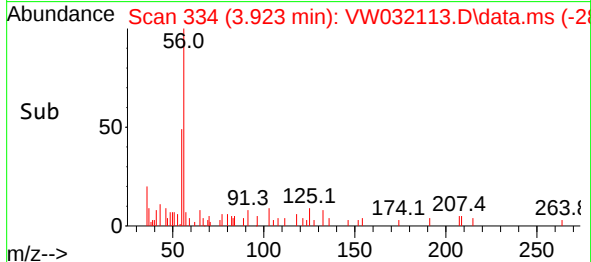
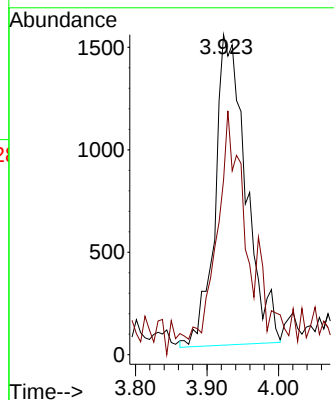
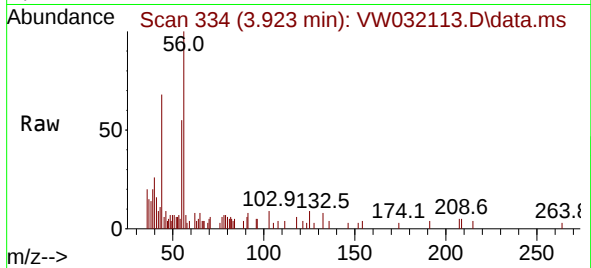




#13
Acrolein
Concen: 14.555 ug/l
RT: 3.923 min Scan# 311
Delta R.T. -0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

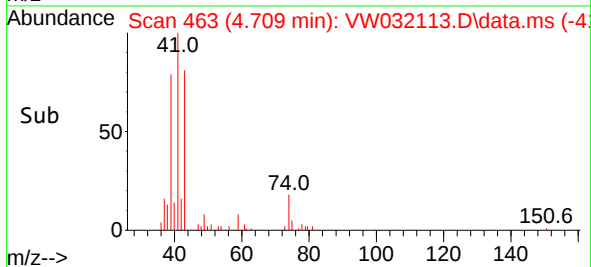
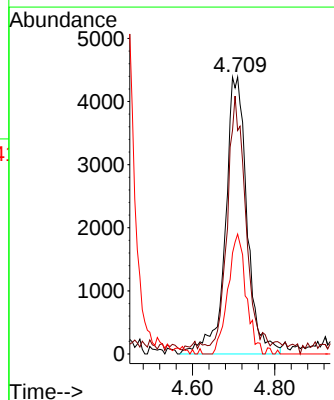
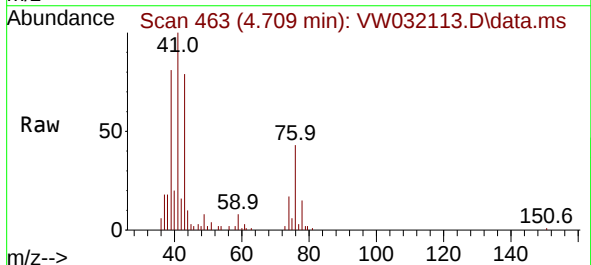
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025

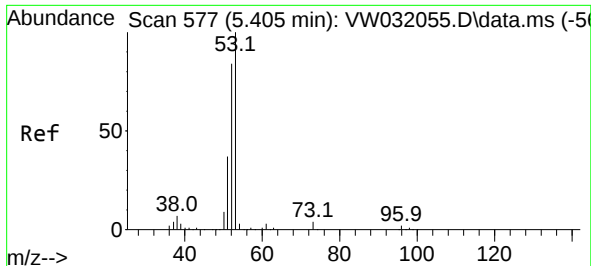
Tgt Ion: 56 Resp: 4535
Ion Ratio Lower Upper
56 100
55 57.5 55.4 83.2



#14
Allyl chloride
Concen: 4.370 ug/l
RT: 4.709 min Scan# 463
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

Tgt Ion: 41 Resp: 16104
Ion Ratio Lower Upper
41 100
39 74.6 54.5 81.7
76 36.0 29.3 43.9

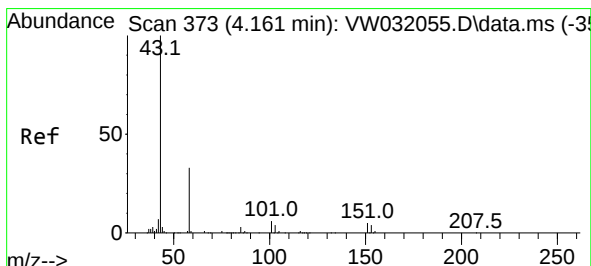
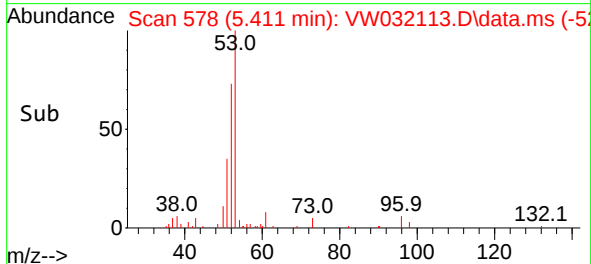
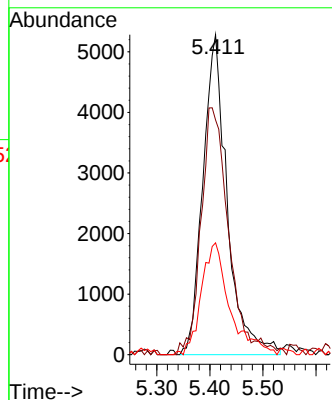
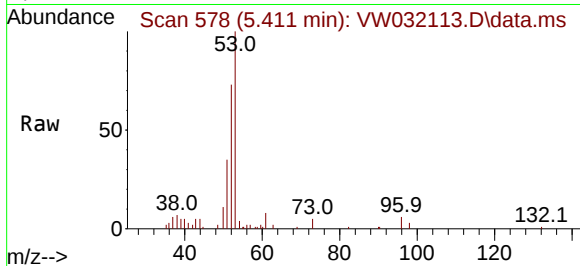




#15
Acrylonitrile
Concen: 22.164 ug/l
RT: 5.411 min Scan# 51
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

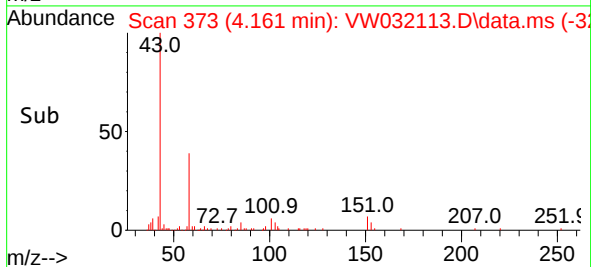
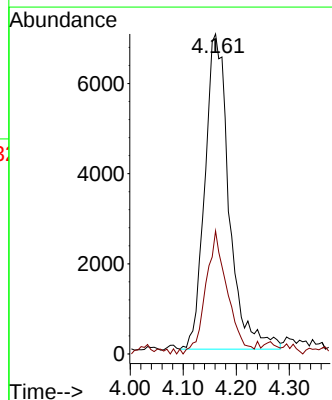
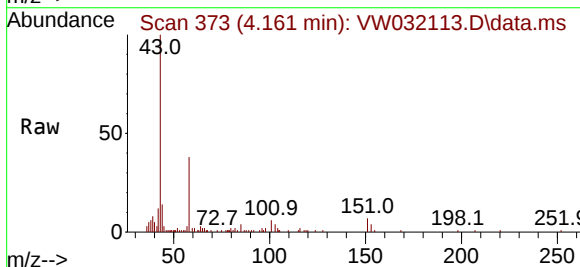
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025

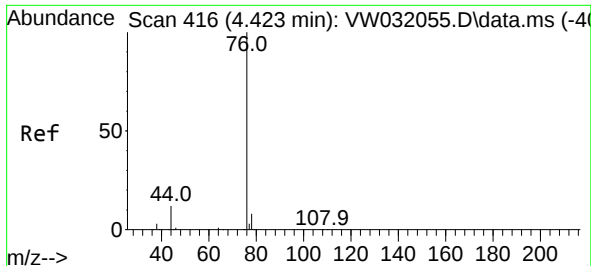
Tgt Ion:	53	Resp:	16859
Ion	Ratio	Lower	Upper
53	100		
52	85.0	66.1	99.1
51	40.7	29.2	43.8



#16
Acetone
Concen: 31.812 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

Tgt Ion:	43	Resp:	22242
Ion	Ratio	Lower	Upper
43	100		
58	37.5	26.6	39.8

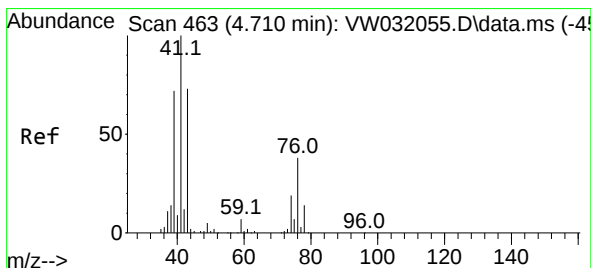
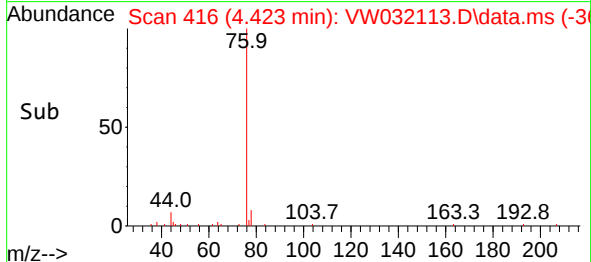
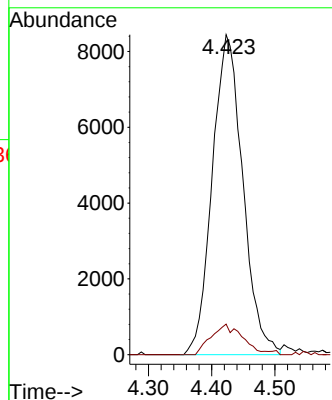
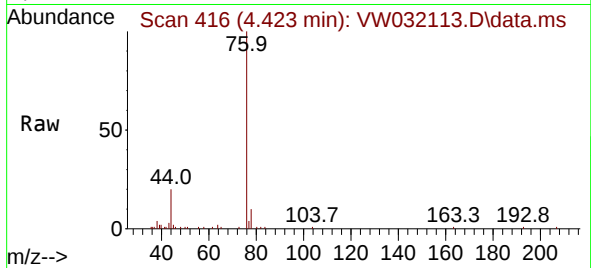




#17
Carbon Disulfide
Concen: 4.158 ug/l
RT: 4.423 min Scan# 416
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

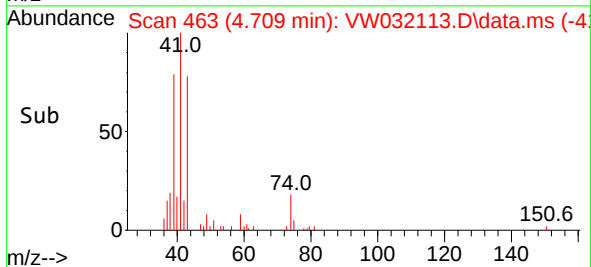
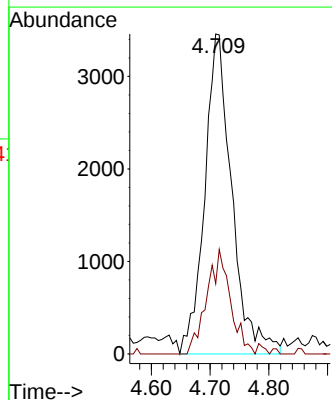
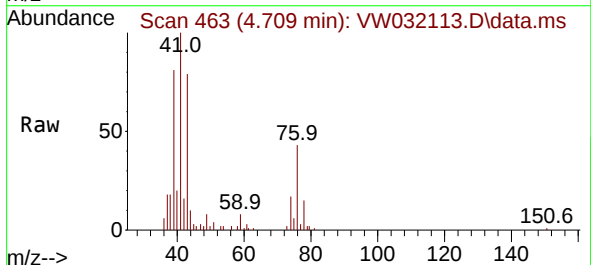
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025

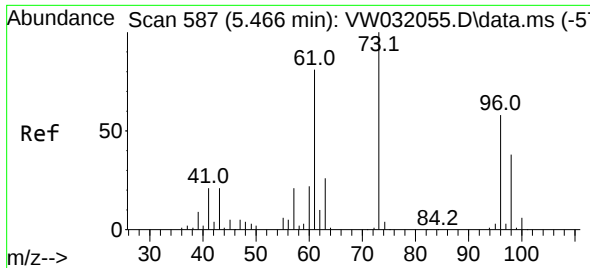
Tgt Ion: 76 Resp: 28260
Ion Ratio Lower Upper
76 100
78 9.5 6.4 9.6



#18
Methyl Acetate
Concen: 5.020 ug/l
RT: 4.709 min Scan# 463
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

Tgt Ion: 43 Resp: 11106
Ion Ratio Lower Upper
43 100
74 28.3 20.6 31.0

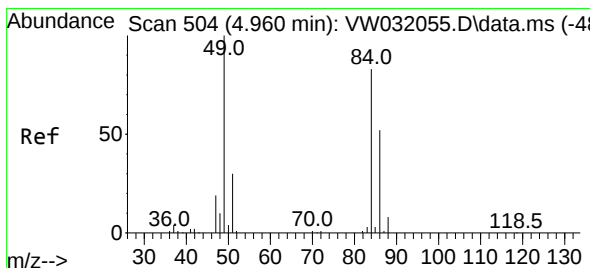
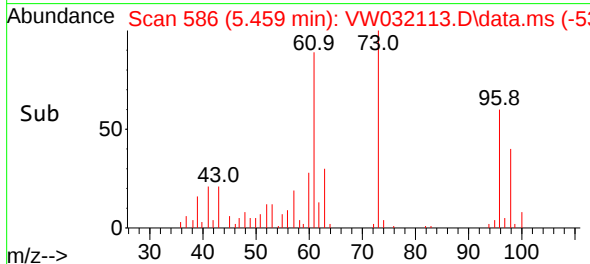
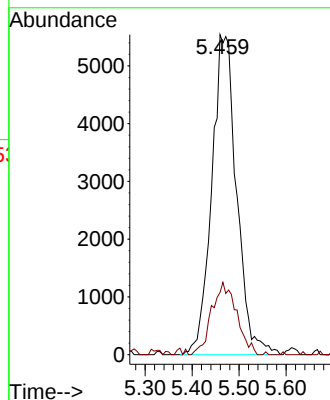
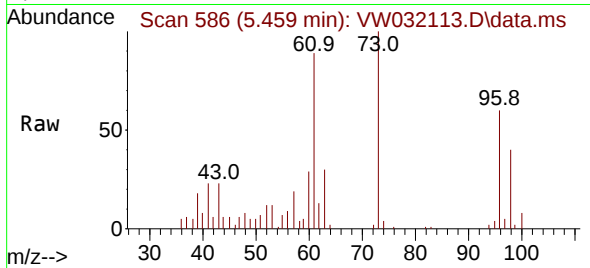




#19
Methyl tert-butyl Ether
Concen: 4.571 ug/l
RT: 5.459 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

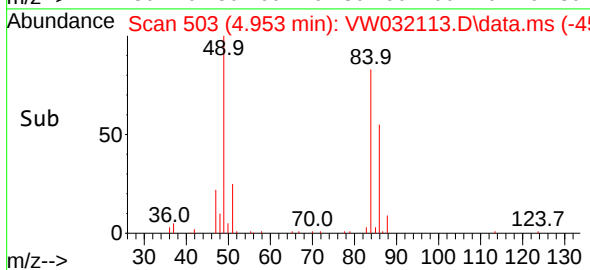
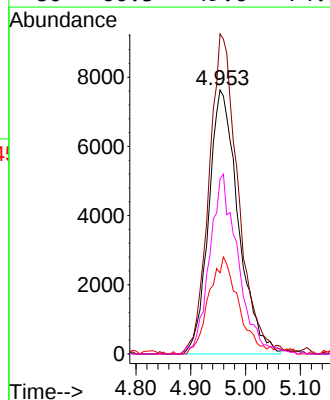
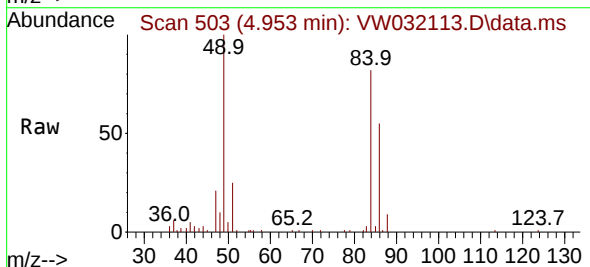
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025

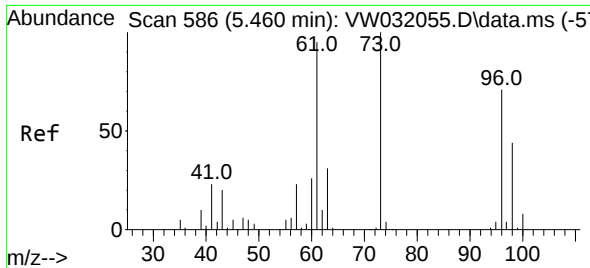
Tgt Ion: 73 Resp: 20392
Ion Ratio Lower Upper
73 100
57 19.4 17.2 25.8



#20
Methylene Chloride
Concen: 8.827 ug/l
RT: 4.953 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

Tgt Ion: 84 Resp: 28536
Ion Ratio Lower Upper
84 100
49 121.2 95.9 143.9
51 30.8 28.6 43.0
86 66.3 49.6 74.4

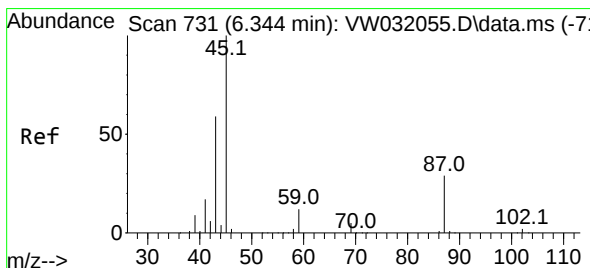
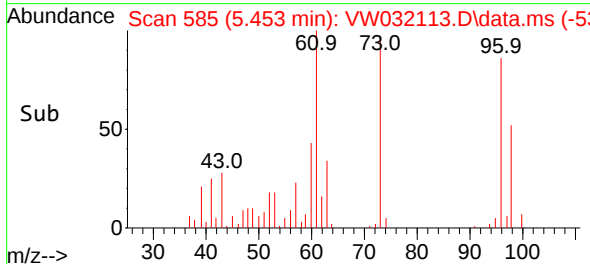
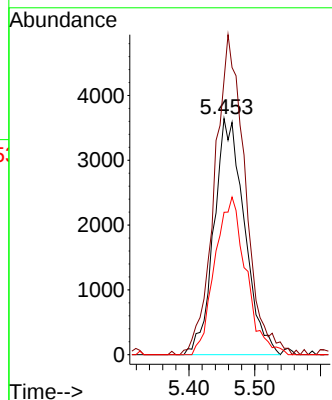
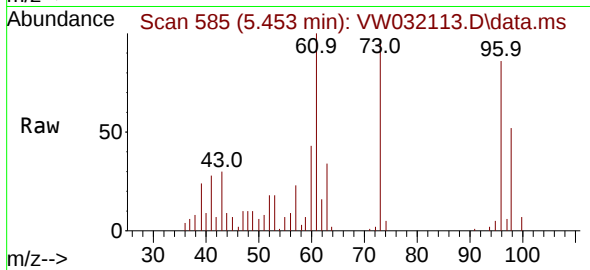




#21
trans-1,2-Dichloroethene
Concen: 4.372 ug/l
RT: 5.453 min Scan# 585
Delta R.T. -0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

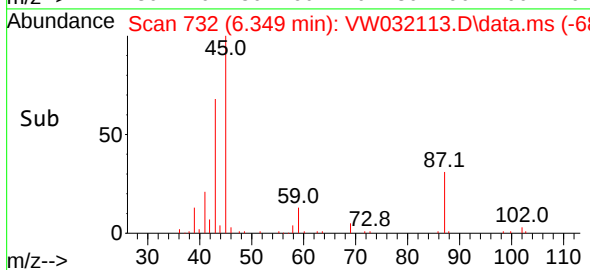
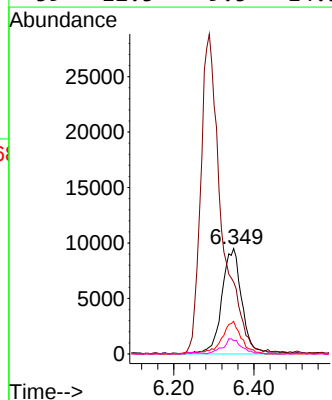
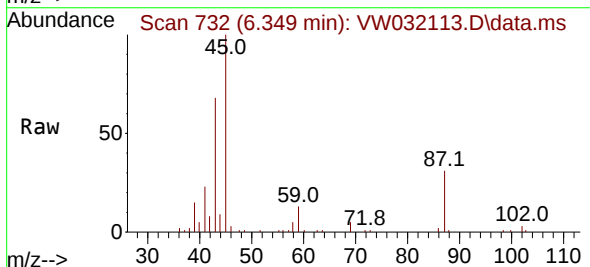
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025

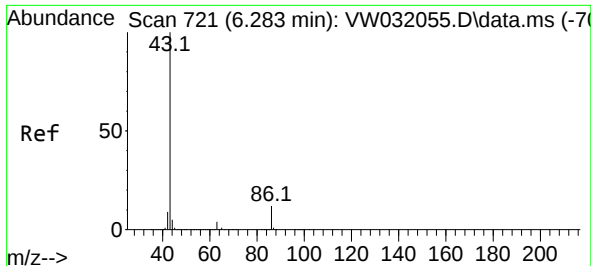
Tgt Ion: 96 Resp: 11749
Ion Ratio Lower Upper
96 100
61 116.3 106.8 160.2
98 60.3 49.6 74.4



#22
Diisopropyl ether
Concen: 4.234 ug/l
RT: 6.349 min Scan# 732
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

Tgt Ion: 45 Resp: 32894
Ion Ratio Lower Upper
45 100
43 68.3 47.0 70.4
87 30.9 23.8 35.8
59 12.5 9.5 14.3

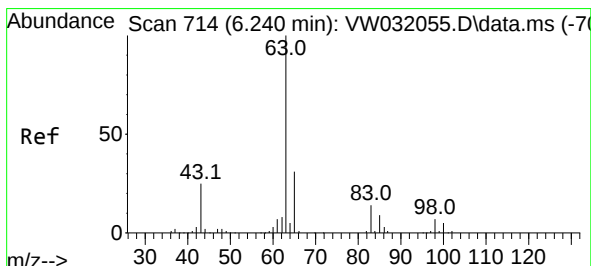
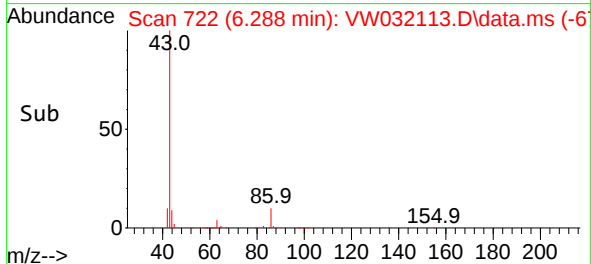
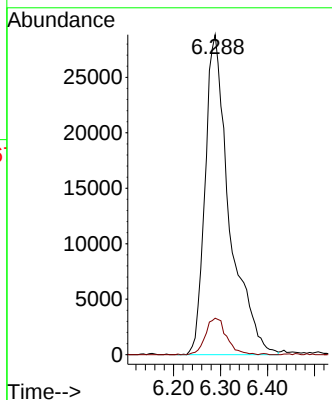
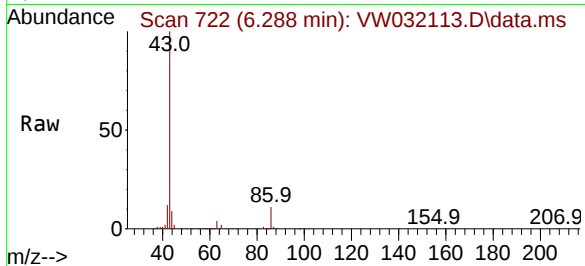




#23
 Vinyl Acetate
 Concen: 20.303 ug/l
 RT: 6.288 min Scan# 715
 Delta R.T. 0.006 min
 Lab File: VW032113.D
 Acq: 22 Aug 2025 16:07

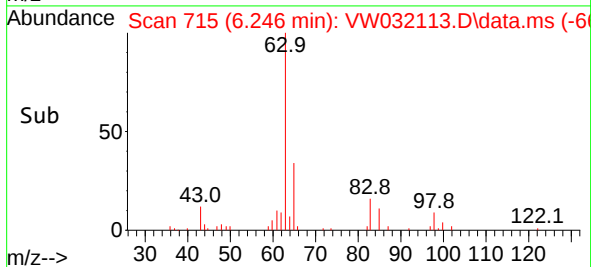
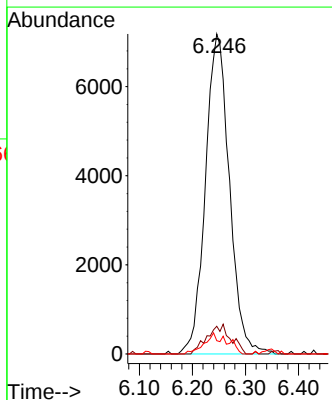
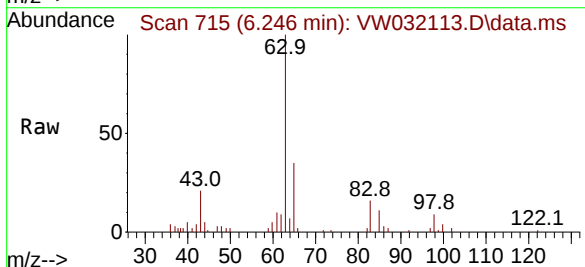
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT3-2025

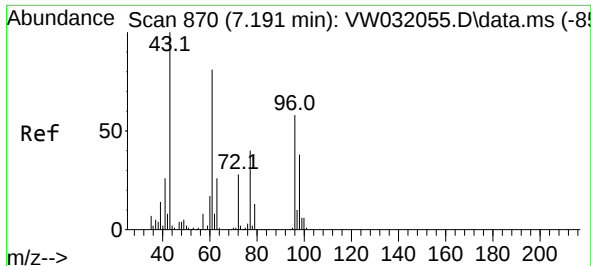
Tgt Ion: 43 Resp: 103564
 Ion Ratio Lower Upper
 43 100
 86 11.4 9.4 14.0



#24
 1,1-Dichloroethane
 Concen: 4.546 ug/l
 RT: 6.246 min Scan# 715
 Delta R.T. 0.006 min
 Lab File: VW032113.D
 Acq: 22 Aug 2025 16:07

Tgt Ion: 63 Resp: 22564
 Ion Ratio Lower Upper
 63 100
 98 8.7 3.7 11.1
 100 4.1 2.5 7.4

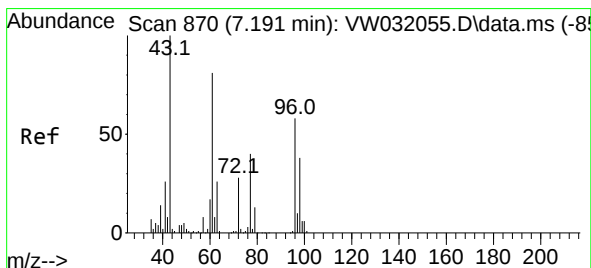
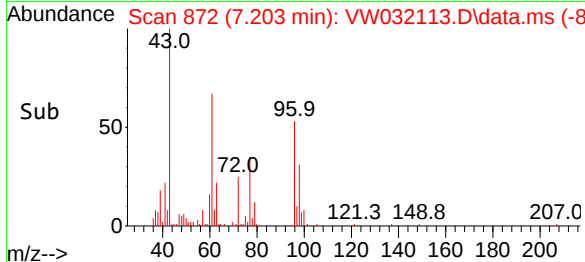
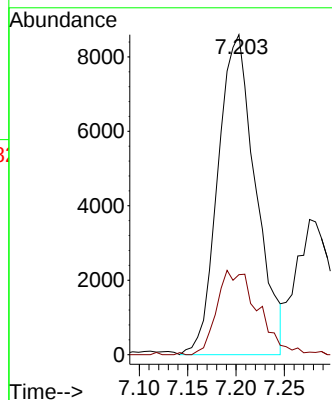
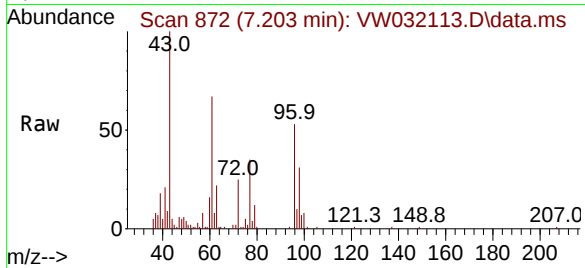




#25
2-Butanone
Concen: 23.498 ug/l
RT: 7.203 min Scan# 81
Delta R.T. 0.012 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

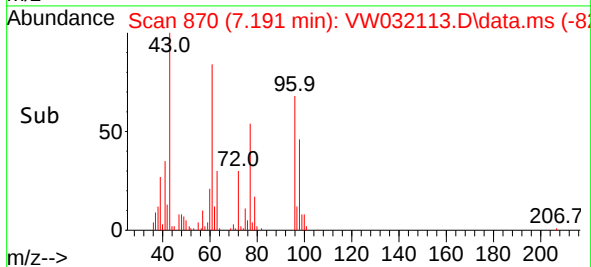
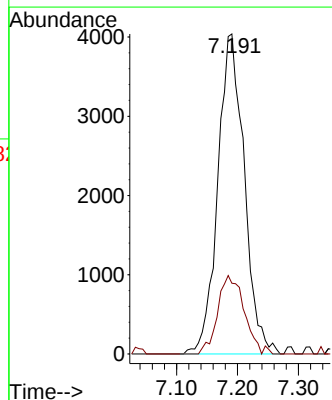
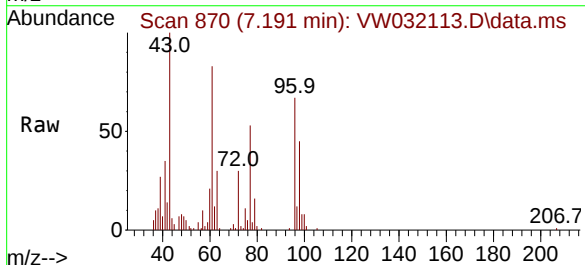
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025

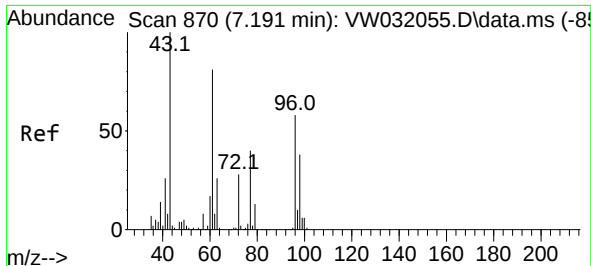
Tgt Ion: 43 Resp: 23350
Ion Ratio Lower Upper
43 100
72 24.3 22.3 33.5



#26
2,2-Dichloropropane
Concen: 4.892 ug/l
RT: 7.191 min Scan# 870
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

Tgt Ion: 77 Resp: 12183
Ion Ratio Lower Upper
77 100
97 24.1 12.3 36.9



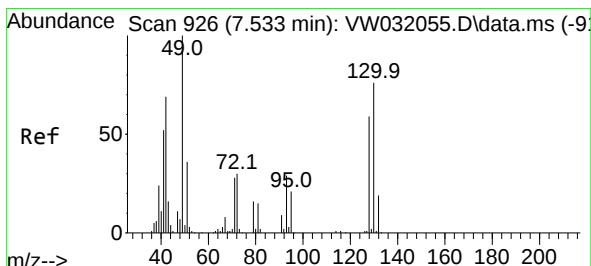
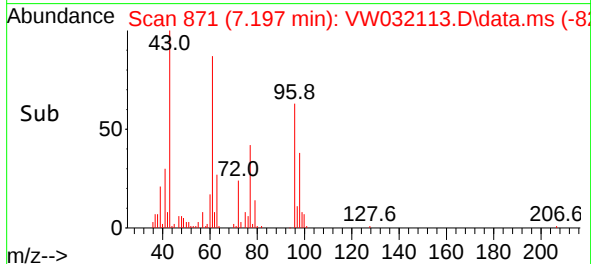
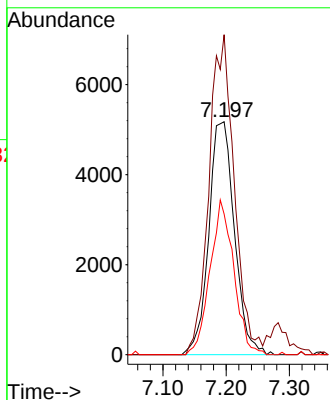
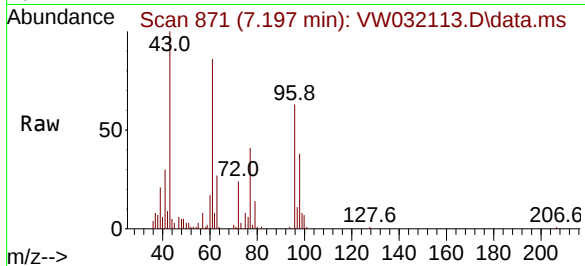


#27
 cis-1,2-Dichloroethene
 Concen: 4.652 ug/l
 RT: 7.197 min Scan# 871
 Delta R.T. 0.006 min
 Lab File: VW032113.D
 Acq: 22 Aug 2025 16:07

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT3-2025

Tgt Ion: 96 Resp: 14613

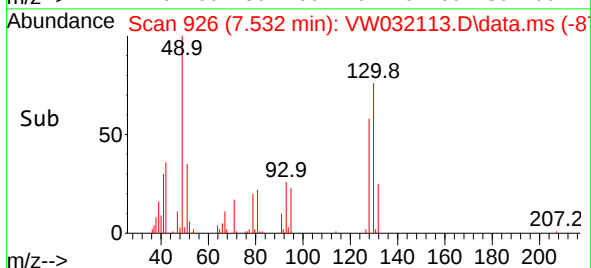
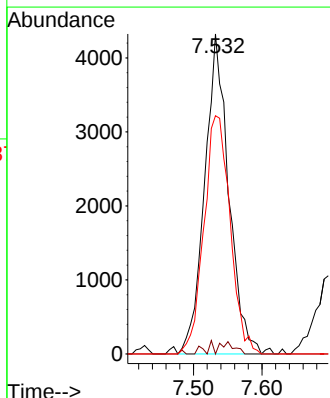
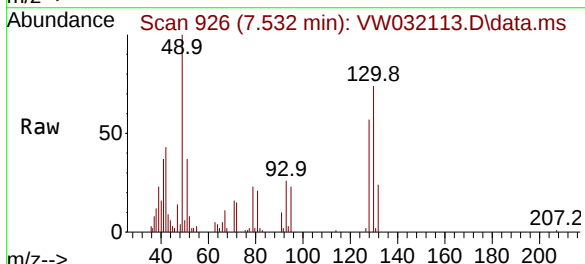
Ion	Ratio	Lower	Upper
96	100		
61	135.0	0.0	281.2
98	61.4	0.0	130.8

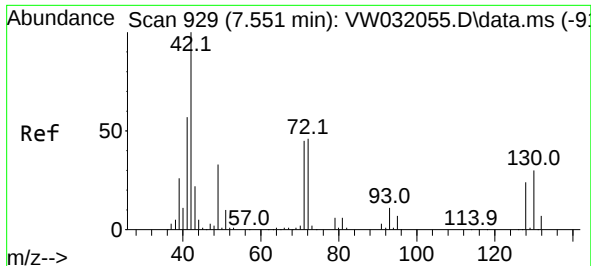


#28
 Bromochloromethane
 Concen: 4.684 ug/l
 RT: 7.532 min Scan# 926
 Delta R.T. -0.000 min
 Lab File: VW032113.D
 Acq: 22 Aug 2025 16:07

Tgt Ion: 49 Resp: 10580

Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	4.2
130	80.9	61.9	92.9





#29

Tetrahydrofuran

Concen: 19.546 ug/l

RT: 7.550 min Scan# 91

Delta R.T. -0.000 min

Lab File: VW032113.D

Acq: 22 Aug 2025 16:07

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2025

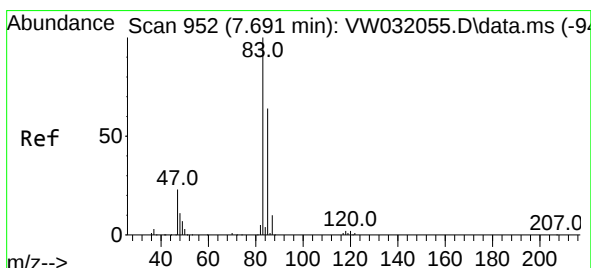
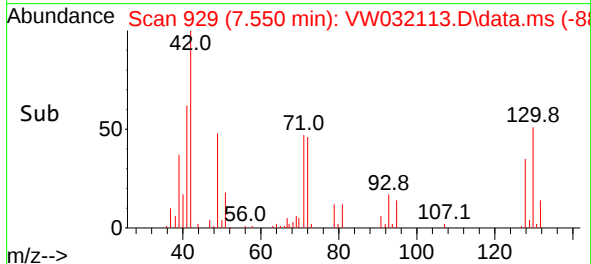
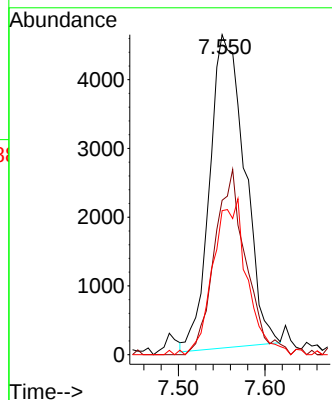
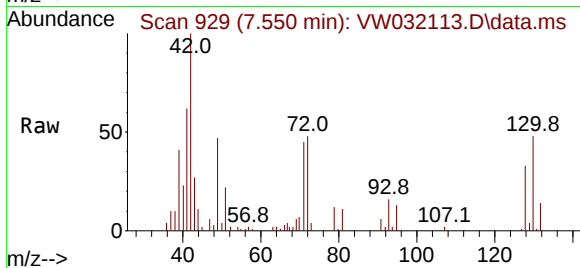
Tgt Ion: 42 Resp: 12809

Ion Ratio Lower Upper

42 100

72 53.1 36.6 55.0

71 48.0 34.7 52.1



#30

Chloroform

Concen: 4.950 ug/l

RT: 7.691 min Scan# 952

Delta R.T. -0.000 min

Lab File: VW032113.D

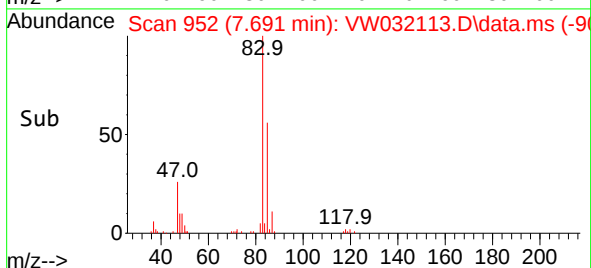
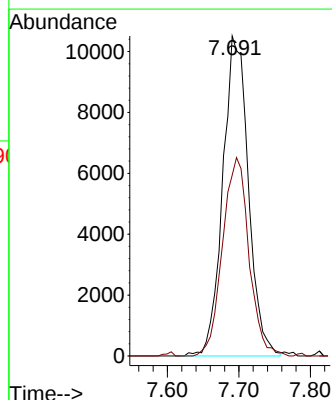
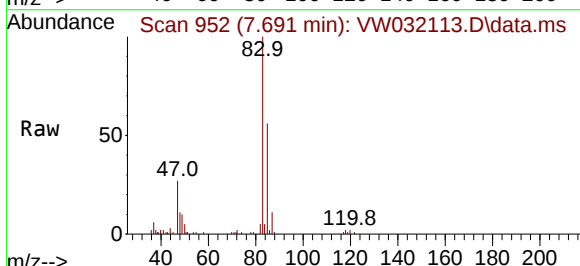
Acq: 22 Aug 2025 16:07

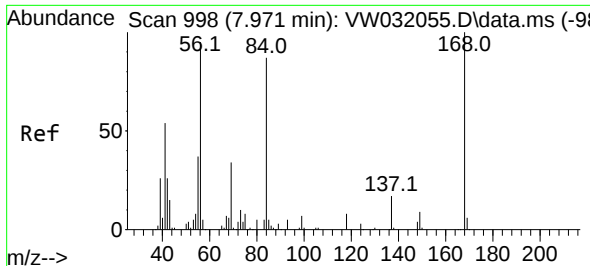
Tgt Ion: 83 Resp: 26051

Ion Ratio Lower Upper

83 100

85 56.5 51.0 76.4

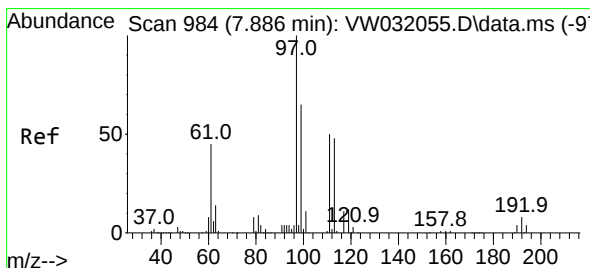
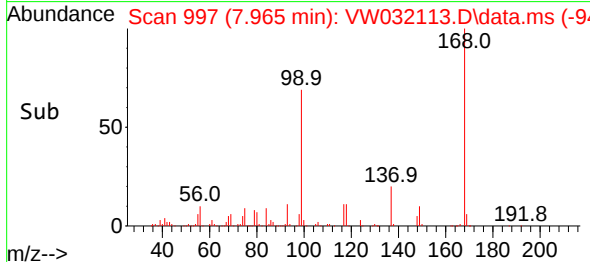
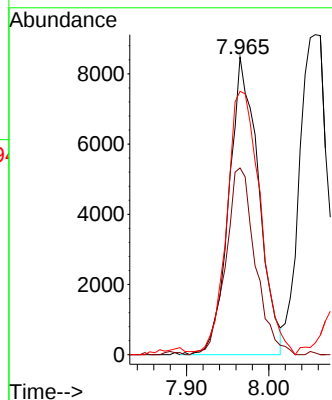
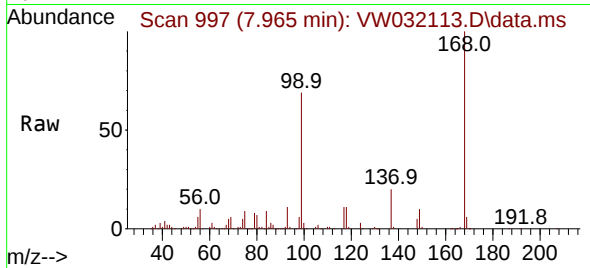




#31
Cyclohexane
Concen: 4.932 ug/l
RT: 7.965 min Scan# 998
Delta R.T. -0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

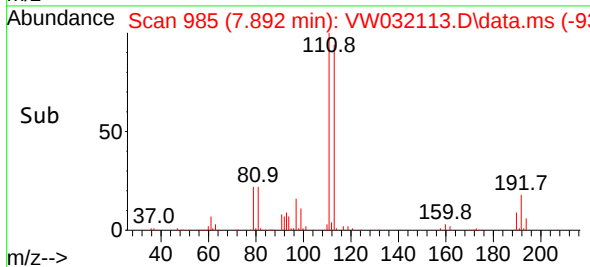
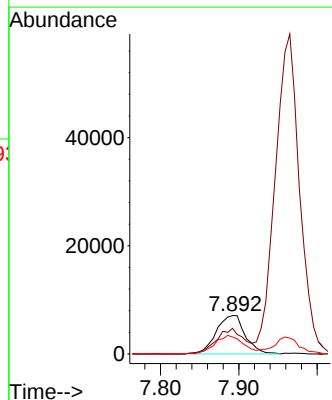
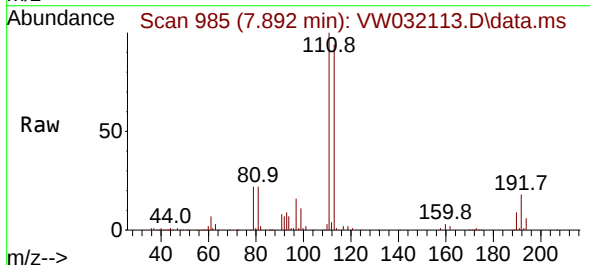
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025

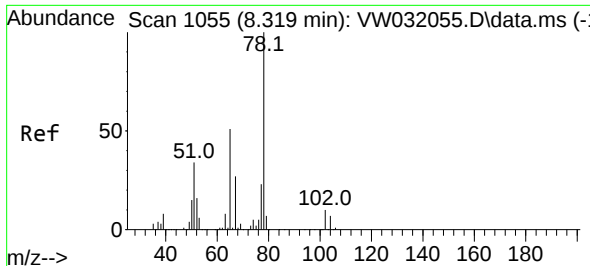
Tgt Ion: 56 Resp: 21227
Ion Ratio Lower Upper
56 100
69 62.0 28.6 42.8#
84 86.1 73.0 109.4



#32
1,1,1-Trichloroethane
Concen: 4.789 ug/l
RT: 7.892 min Scan# 985
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

Tgt Ion: 97 Resp: 18305
Ion Ratio Lower Upper
97 100
99 62.6 51.8 77.8
61 47.2 35.9 53.9





#33

1,2-Dichloroethane-d4

Concen: 47.650 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032113.D

Acq: 22 Aug 2025 16:07

Instrument :

MSVOA_W

ClientSampleId :

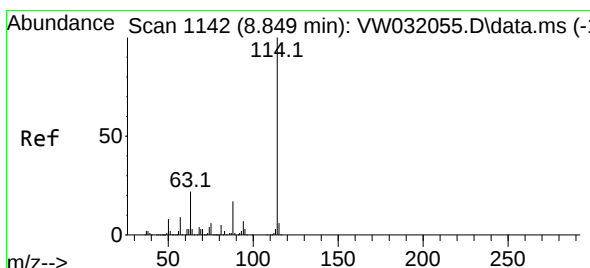
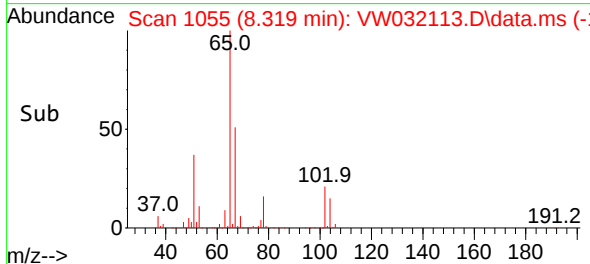
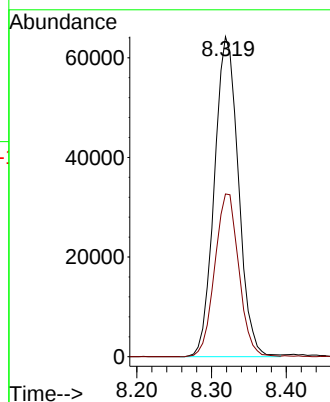
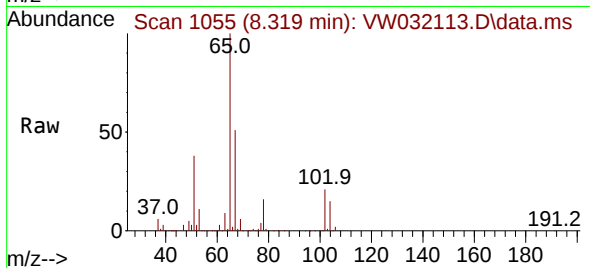
LOQ-SOIL-02-QT3-2025

Tgt Ion: 65 Resp: 143896

Ion Ratio Lower Upper

65 100

67 50.9 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VW032113.D

Acq: 22 Aug 2025 16:07

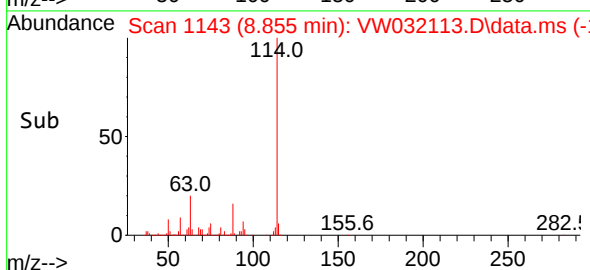
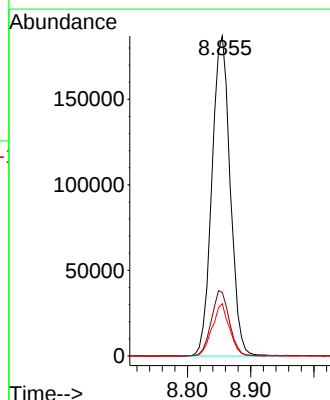
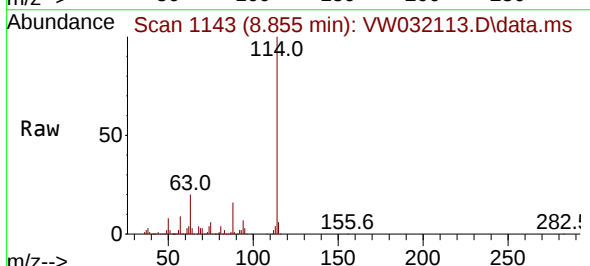
Tgt Ion: 114 Resp: 374134

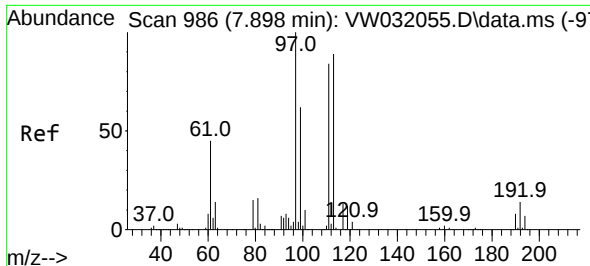
Ion Ratio Lower Upper

114 100

63 19.9 0.0 43.0

88 16.3 0.0 33.8

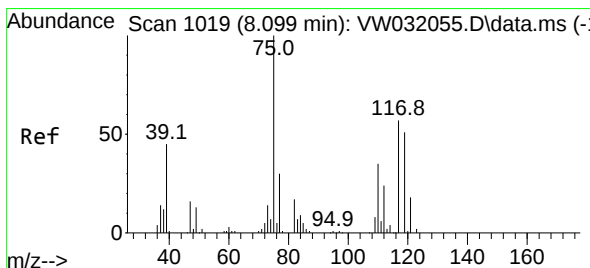
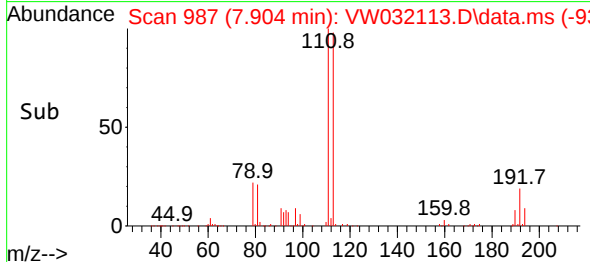
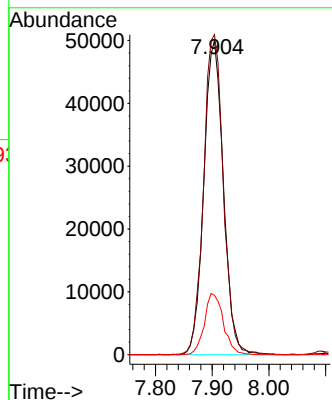
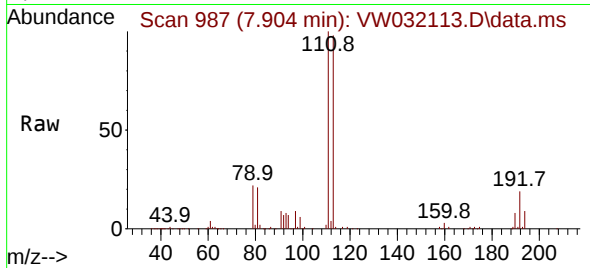




#35
 Dibromofluoromethane
 Concen: 49.605 ug/l
 RT: 7.904 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VW032113.D
 Acq: 22 Aug 2025 16:07

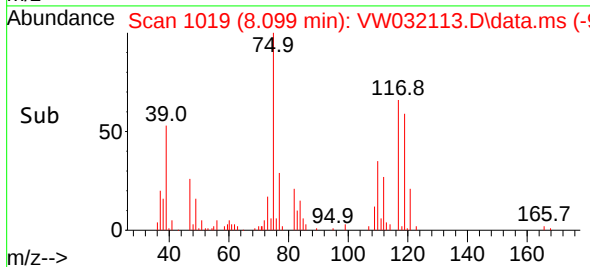
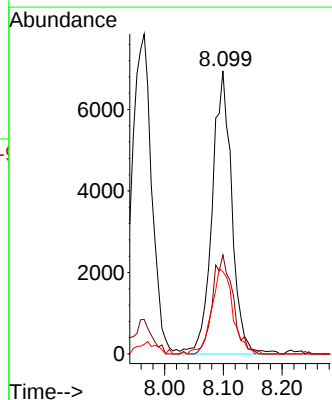
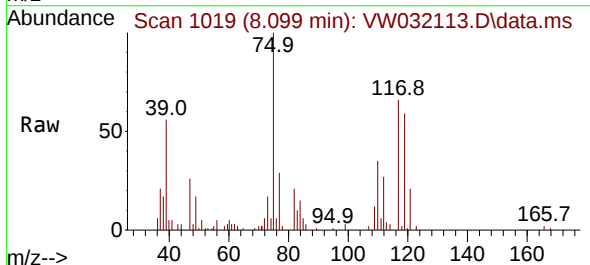
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT3-2025

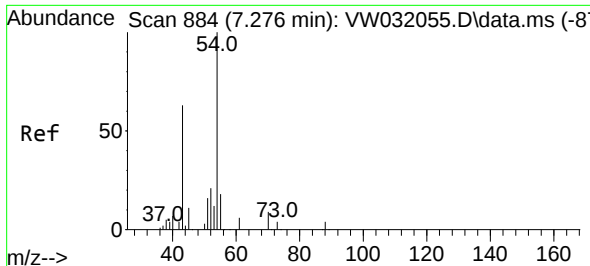
Tgt Ion:113 Resp: 119897
 Ion Ratio Lower Upper
 113 100
 111 102.9 80.1 120.1
 192 18.9 13.1 19.7



#36
 1,1-Dichloropropene
 Concen: 4.730 ug/l
 RT: 8.099 min Scan# 1019
 Delta R.T. -0.000 min
 Lab File: VW032113.D
 Acq: 22 Aug 2025 16:07

Tgt Ion: 75 Resp: 16117
 Ion Ratio Lower Upper
 75 100
 110 36.3 17.4 52.2
 77 32.6 24.7 37.1

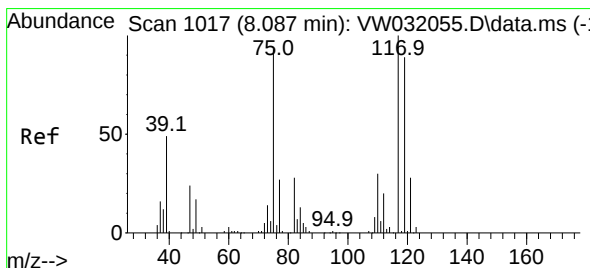
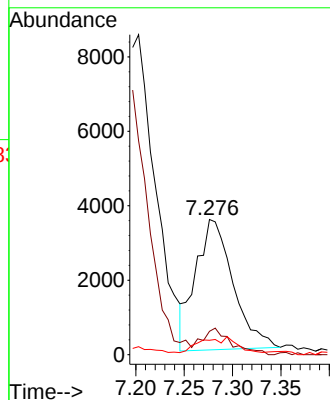
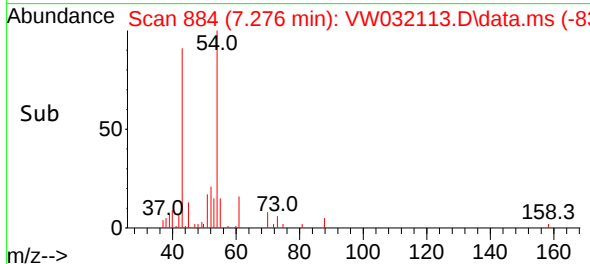
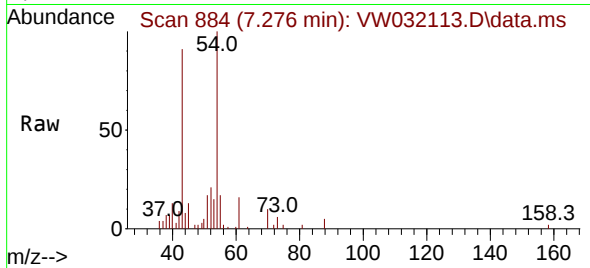




#37
Ethyl Acetate
Concen: 4.699 ug/l
RT: 7.276 min Scan# 884
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

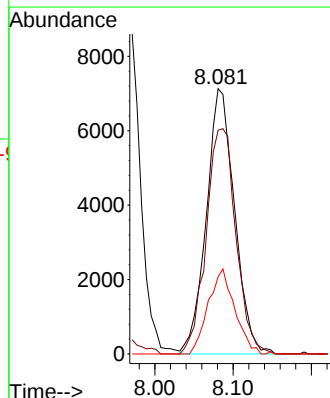
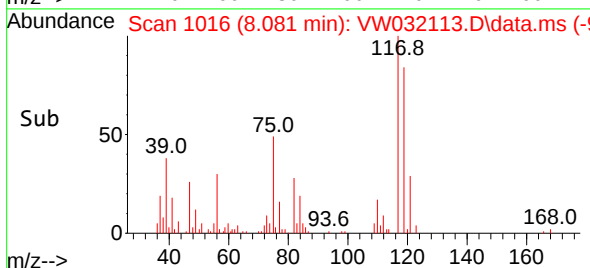
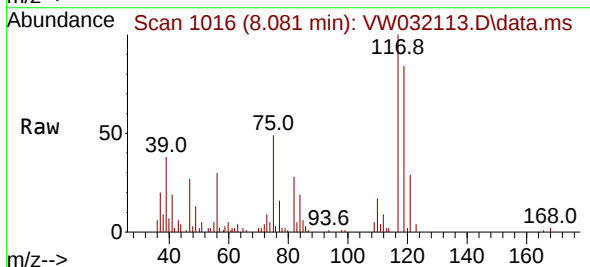
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025

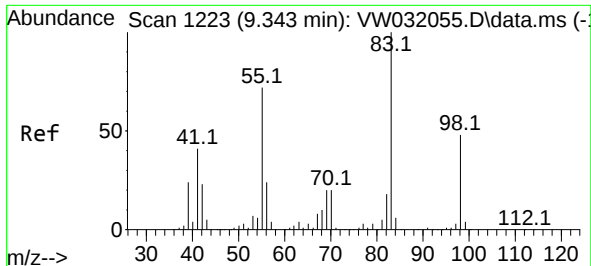
Tgt Ion: 43 Resp: 9429
Ion Ratio Lower Upper
43 100
61 15.9 11.8 17.6
70 6.9 9.4 14.0#



#38
Carbon Tetrachloride
Concen: 5.435 ug/l
RT: 8.081 min Scan# 1016
Delta R.T. -0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

Tgt Ion: 117 Resp: 17873
Ion Ratio Lower Upper
117 100
119 84.3 71.4 107.2
121 29.1 22.3 33.5

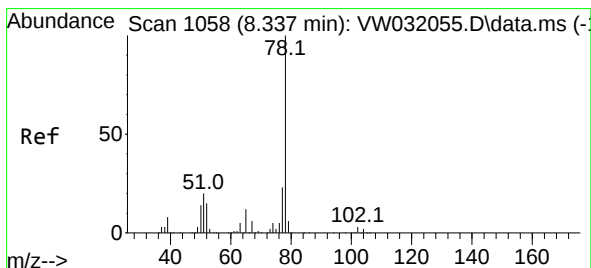
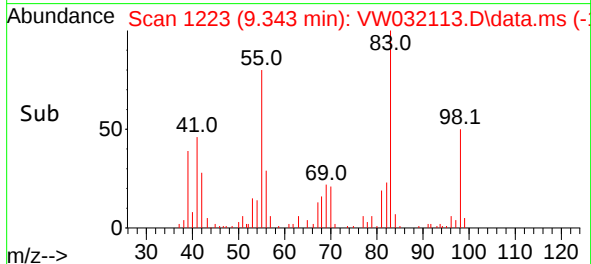
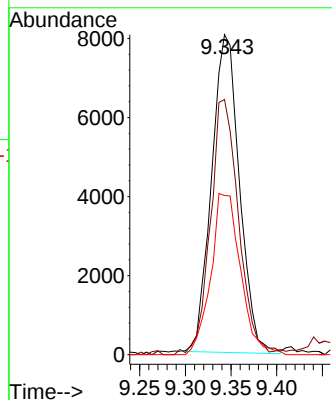
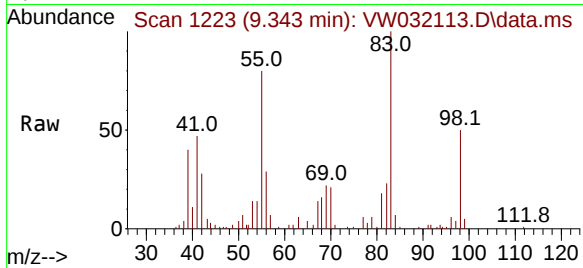




#39
Methylcyclohexane
Concen: 4.120 ug/l
RT: 9.343 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

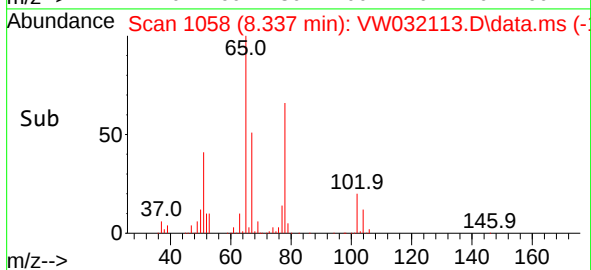
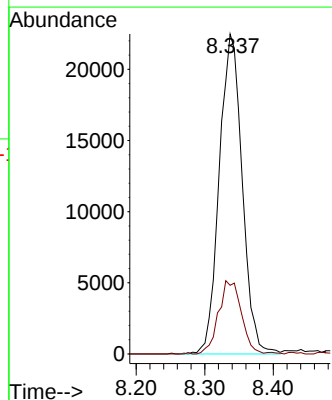
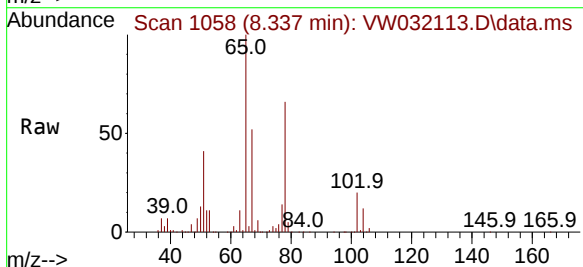
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025

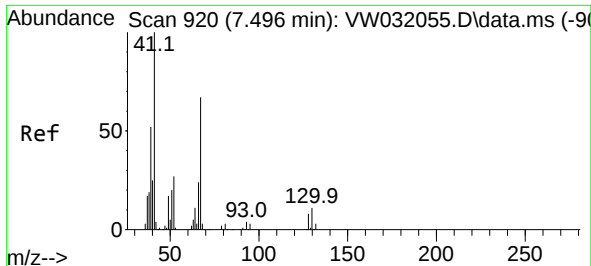
Tgt Ion:	83	Resp:	17110
Ion	Ratio	Lower	Upper
83	100		
55	79.0	57.9	86.9
98	50.3	38.3	57.5



#40
Benzene
Concen: 4.926 ug/l
RT: 8.337 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

Tgt Ion:	78	Resp:	52169
Ion	Ratio	Lower	Upper
78	100		
77	21.5	18.4	27.6

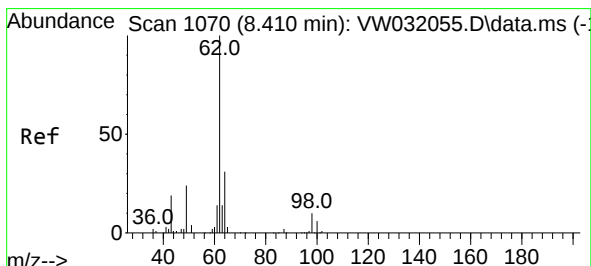
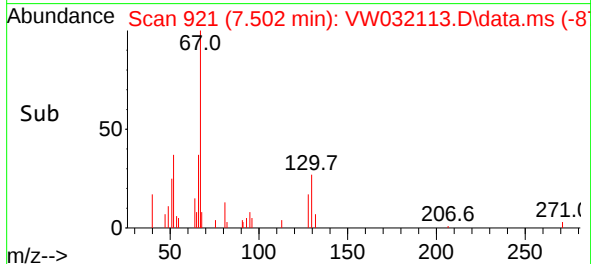
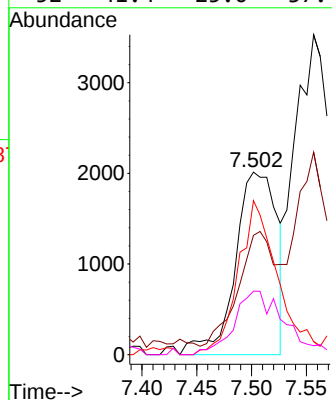
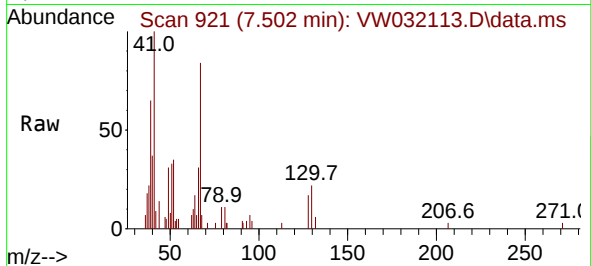




#41
Methacrylonitrile
Concen: 4.673 ug/l
RT: 7.502 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

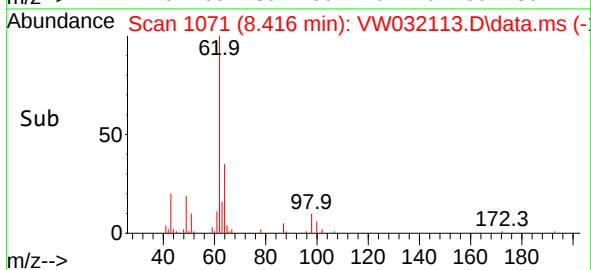
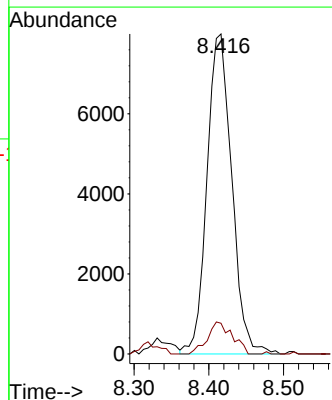
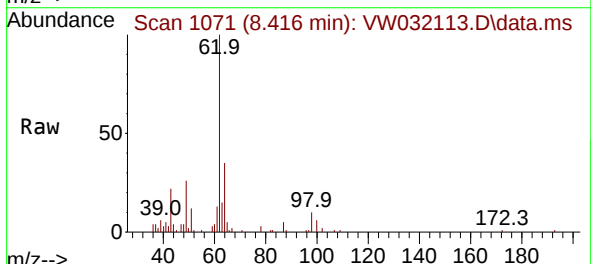
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025

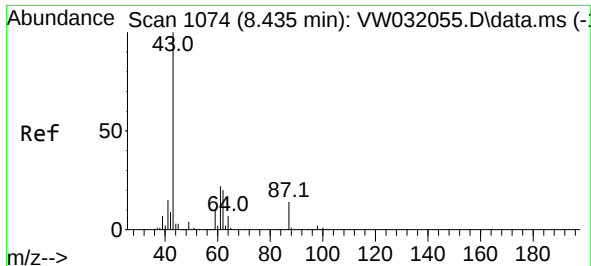
Tgt Ion:	41	Resp:	5318
Ion	Ratio	Lower	Upper
41	100		
39	56.7	42.6	63.8
67	79.8	61.0	91.4
52	41.4	25.0	37.4



#42
1,2-Dichloroethane
Concen: 5.441 ug/l
RT: 8.416 min Scan# 1071
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

Tgt Ion:	62	Resp:	18439
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.8

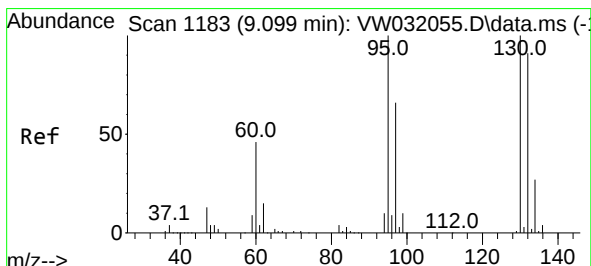
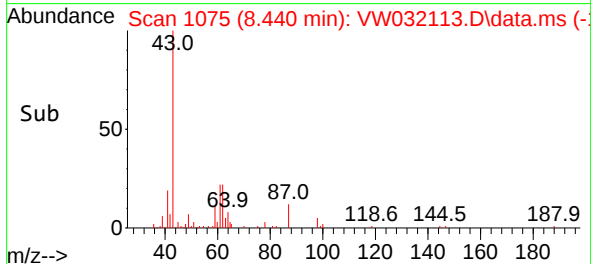
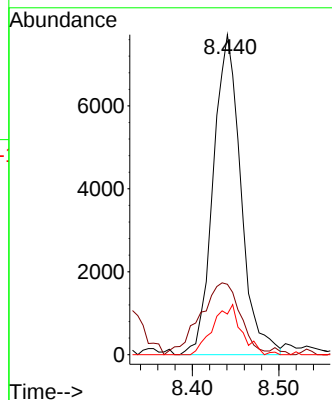
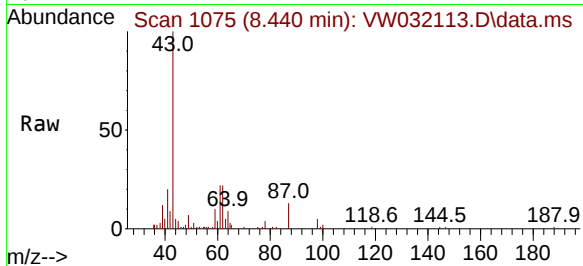




#43
Isopropyl Acetate
Concen: 4.627 ug/l
RT: 8.440 min Scan# 1075
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

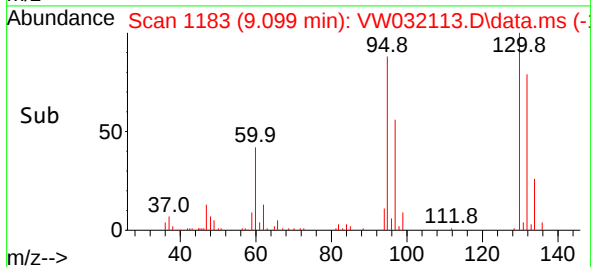
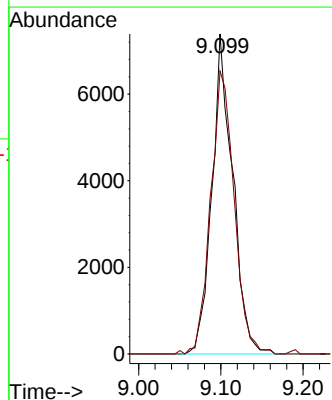
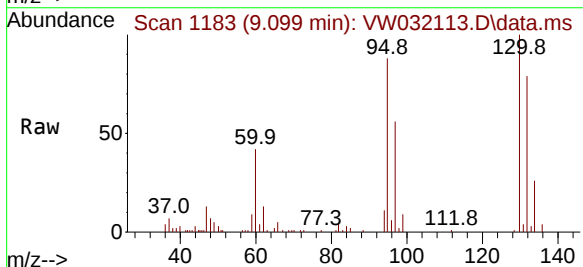
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025

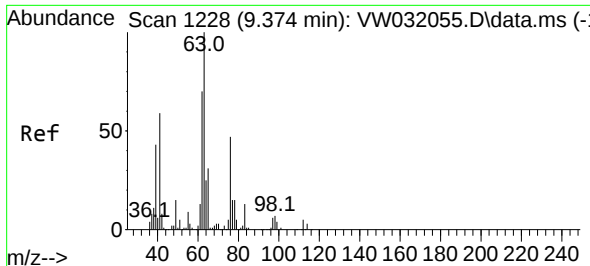
Tgt Ion:	43	Resp:	17082
Ion	Ratio	Lower	Upper
43	100		
61	32.5	23.8	35.8
87	16.1	11.7	17.5



#44
Trichloroethene
Concen: 5.147 ug/l
RT: 9.099 min Scan# 1183
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

Tgt Ion:	130	Resp:	12982
Ion	Ratio	Lower	Upper
130	100		
95	87.7	0.0	200.6

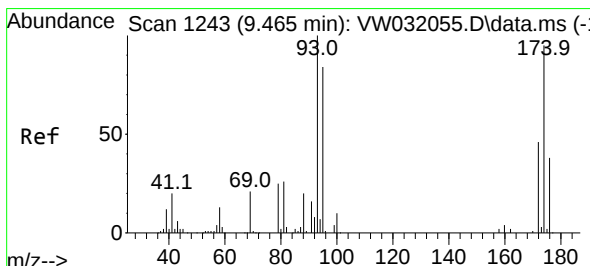
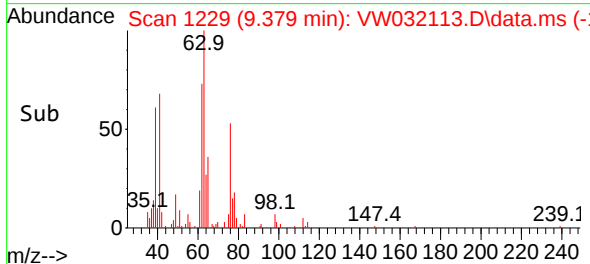
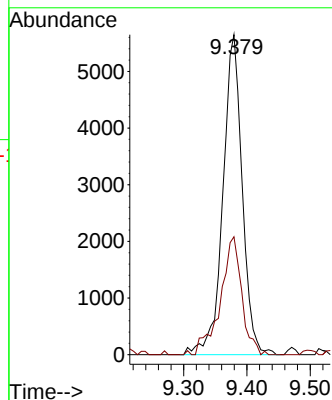
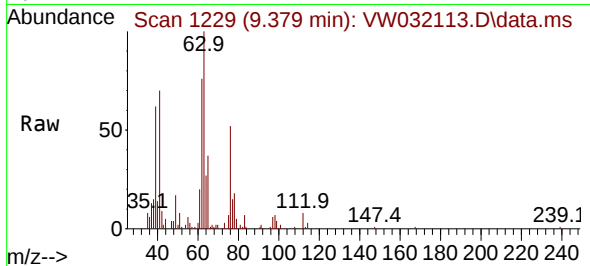




#45
1,2-Dichloropropane
Concen: 4.678 ug/l
RT: 9.379 min Scan# 11969
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

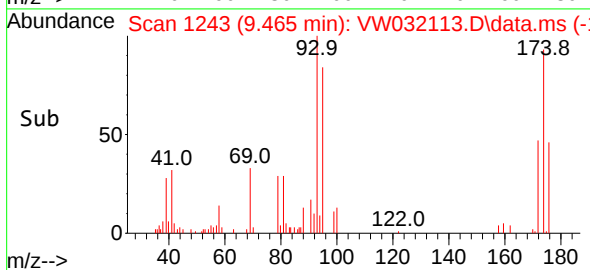
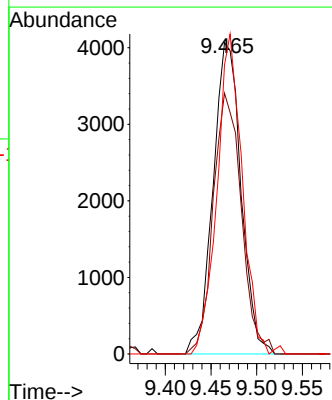
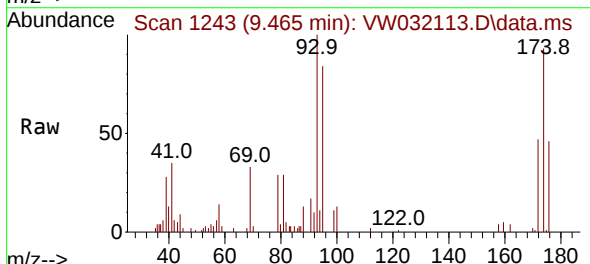
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025

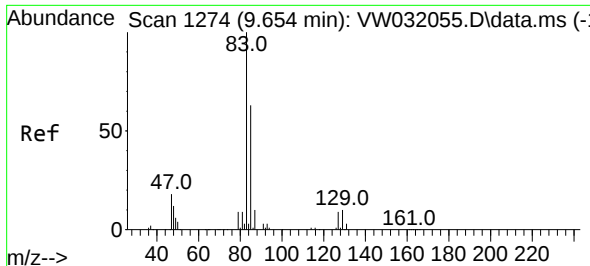
Tgt Ion: 63 Resp: 11969
Ion Ratio Lower Upper
63 100
65 36.9 24.6 36.8#



#46
Dibromomethane
Concen: 5.244 ug/l
RT: 9.465 min Scan# 1243
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

Tgt Ion: 93 Resp: 8660
Ion Ratio Lower Upper
93 100
95 84.2 65.3 97.9
174 92.6 68.6 102.8

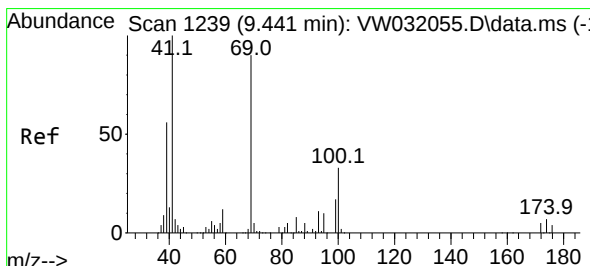
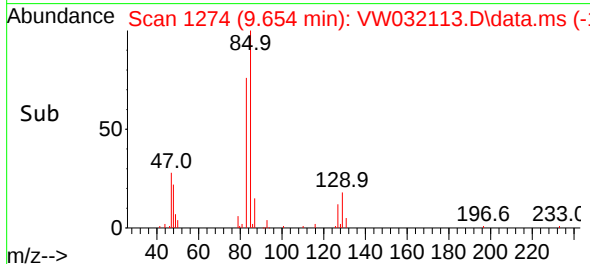
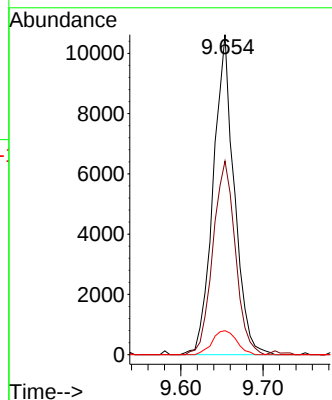
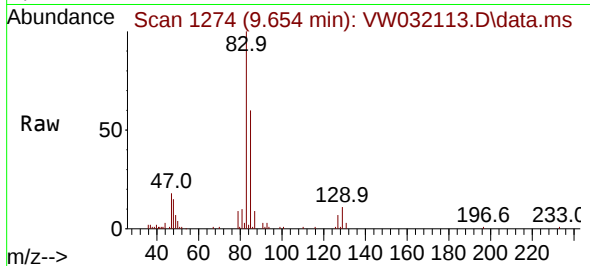




#47
Bromodichloromethane
Concen: 4.960 ug/l
RT: 9.654 min Scan# 1274
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

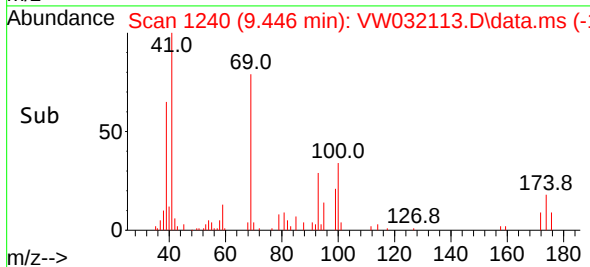
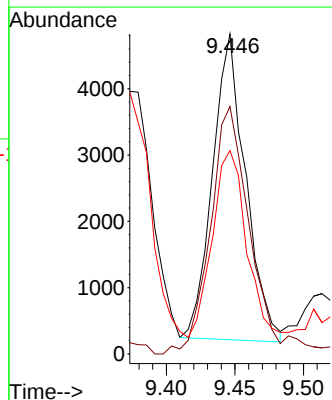
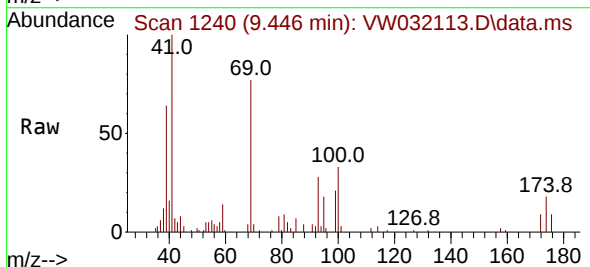
Instrument : MSVOA_W
ClientSampleId : LOQ-SOIL-02-QT3-2025

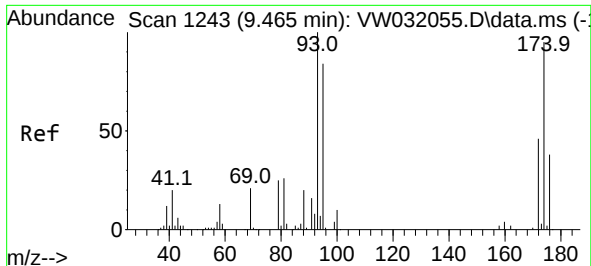
Tgt Ion: 83 Resp: 18873
Ion Ratio Lower Upper
83 100
85 60.5 50.6 75.8
127 7.5 6.9 10.3



#48
Methyl methacrylate
Concen: 4.340 ug/l
RT: 9.446 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

Tgt Ion: 41 Resp: 7736
Ion Ratio Lower Upper
41 100
69 98.3 73.0 109.6
39 72.1 45.0 67.4

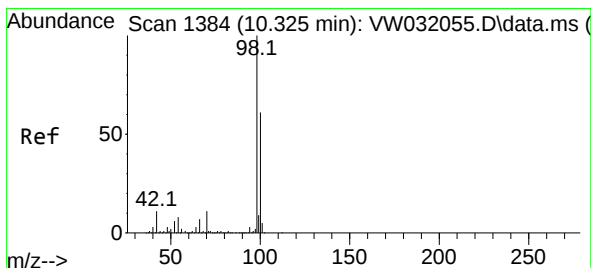
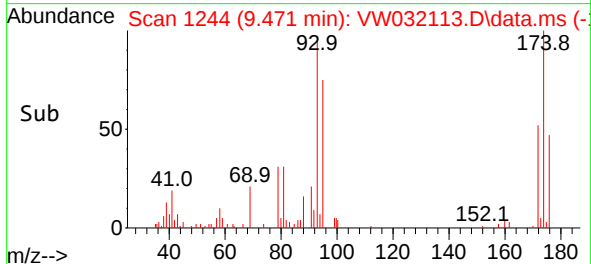
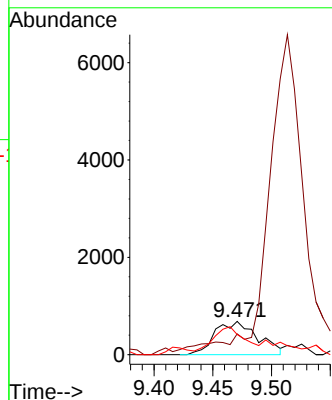
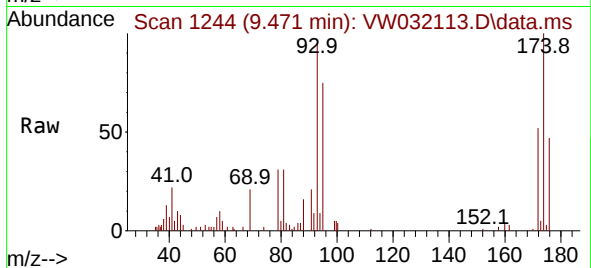




#49
 1,4-Dioxane
 Concen: 81.254 ug/l
 RT: 9.471 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VW032113.D
 Acq: 22 Aug 2025 16:07

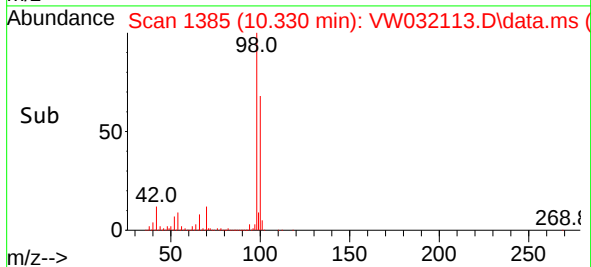
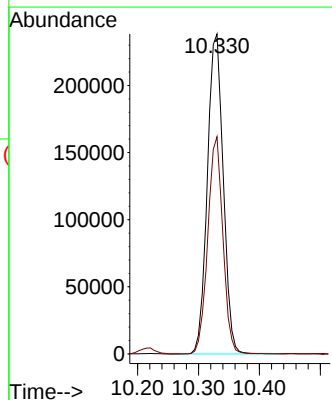
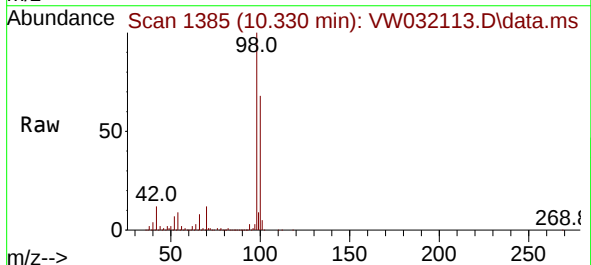
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT3-2025

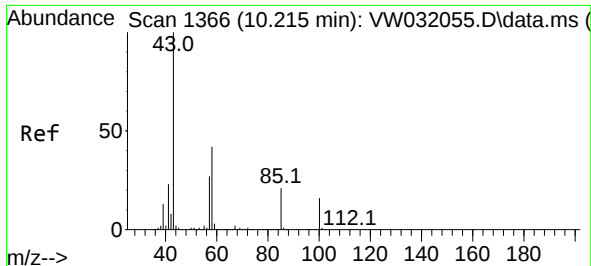
Tgt Ion: 88 Resp: 1735
 Ion Ratio Lower Upper
 88 100
 43 0.0 20.6 30.8#
 58 49.5 60.4 90.6#



#50
 Toluene-d8
 Concen: 48.367 ug/l
 RT: 10.330 min Scan# 1385
 Delta R.T. 0.006 min
 Lab File: VW032113.D
 Acq: 22 Aug 2025 16:07

Tgt Ion: 98 Resp: 432402
 Ion Ratio Lower Upper
 98 100
 100 64.4 51.1 76.7

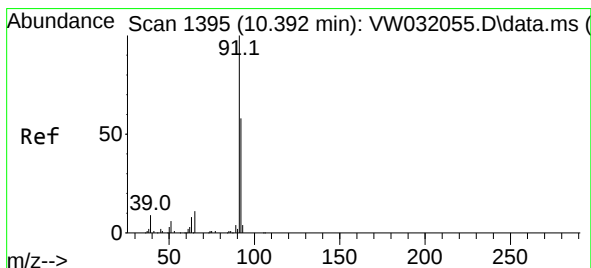
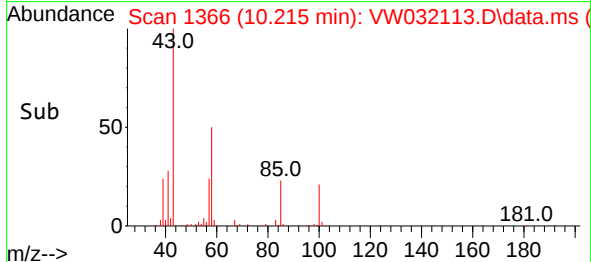
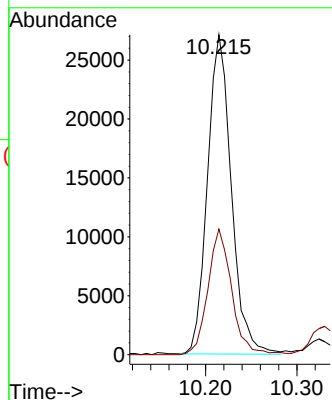
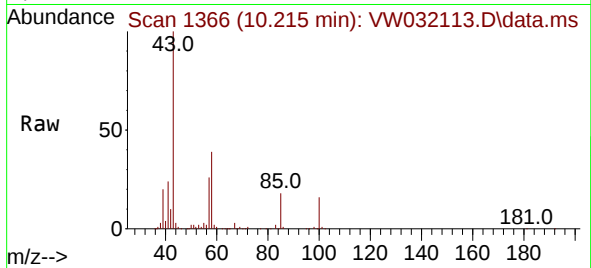




#51
4-Methyl-2-Pentanone
Concen: 23.549 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

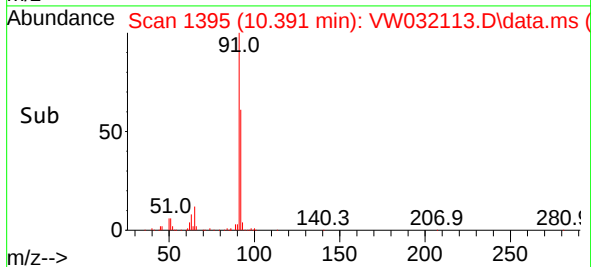
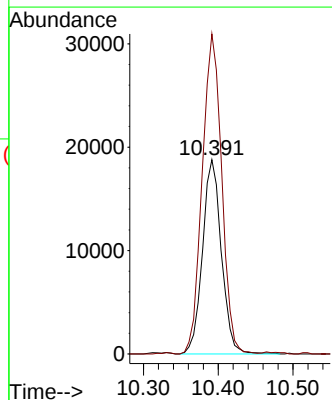
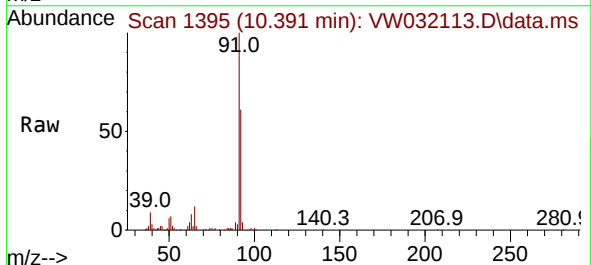
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025

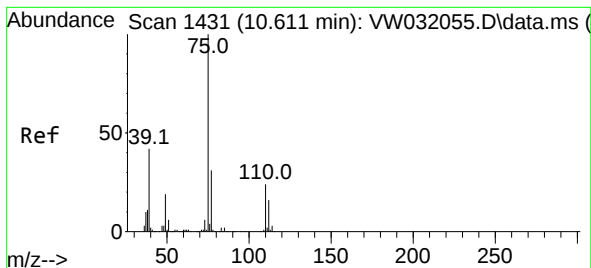
Tgt Ion: 43 Resp: 49075
Ion Ratio Lower Upper
43 100
58 39.1 33.1 49.7



#52
Toluene
Concen: 4.940 ug/l
RT: 10.391 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

Tgt Ion: 92 Resp: 32956
Ion Ratio Lower Upper
92 100
91 170.0 136.3 204.5

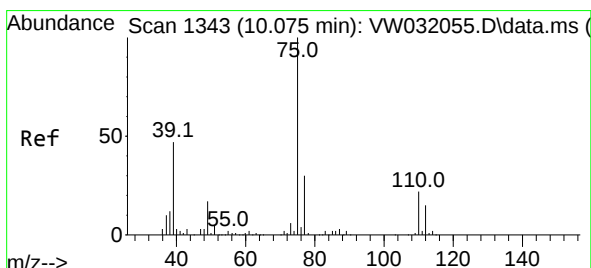
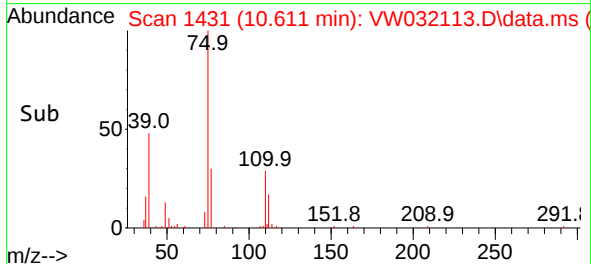
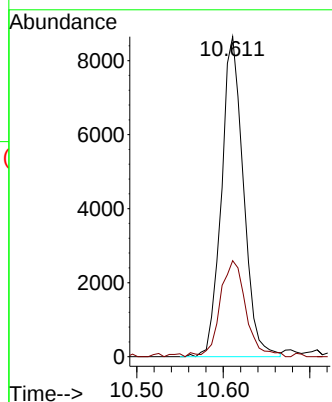
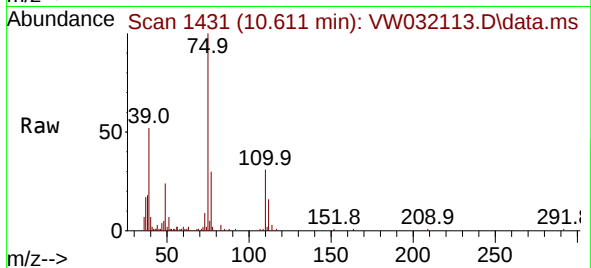




#53
t-1,3-Dichloropropene
Concen: 4.276 ug/l
RT: 10.611 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

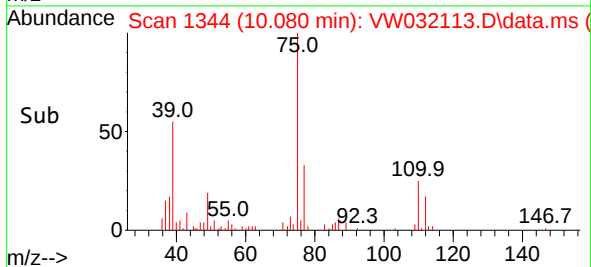
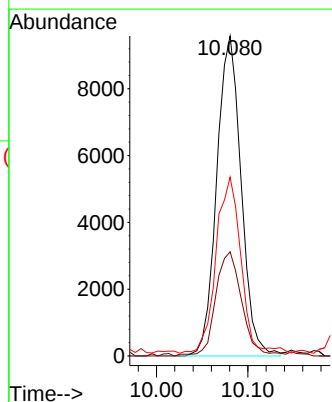
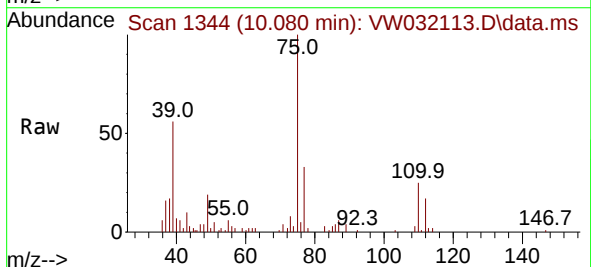
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025

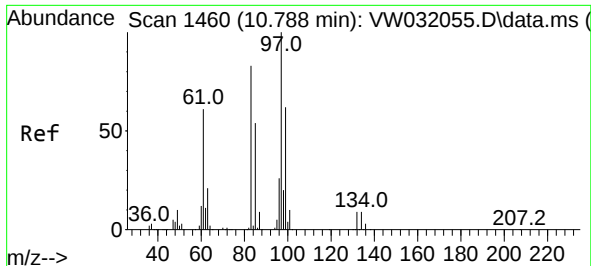
Tgt Ion: 75 Resp: 15244
Ion Ratio Lower Upper
75 100
77 29.1 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 4.397 ug/l
RT: 10.080 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

Tgt Ion: 75 Resp: 17784
Ion Ratio Lower Upper
75 100
77 32.0 24.0 36.0
39 53.3 37.8 56.8

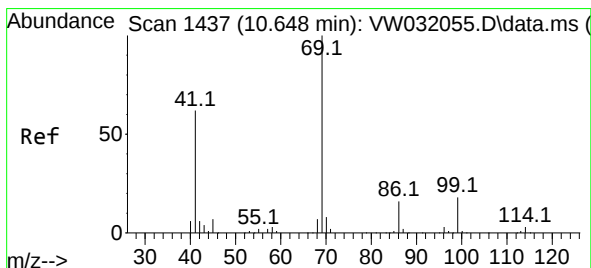
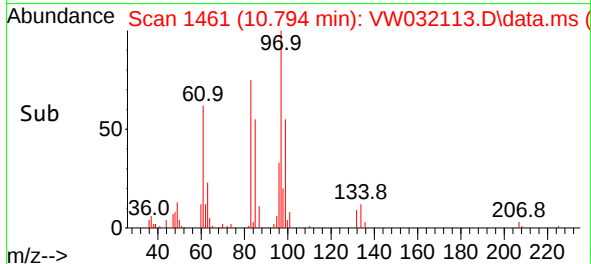
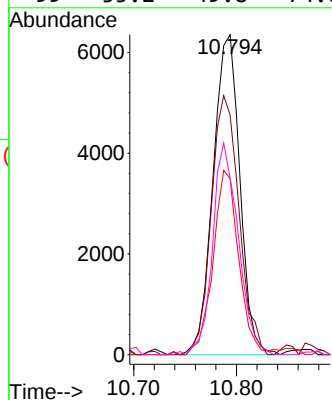
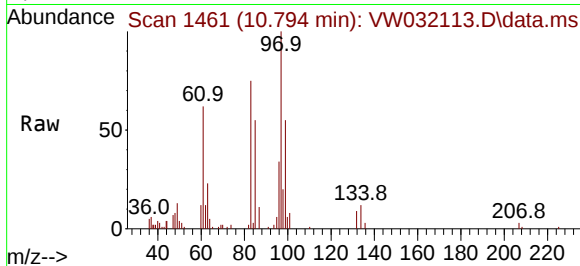




#55
1,1,2-Trichloroethane
Concen: 5.227 ug/l
RT: 10.794 min Scan# 1461
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

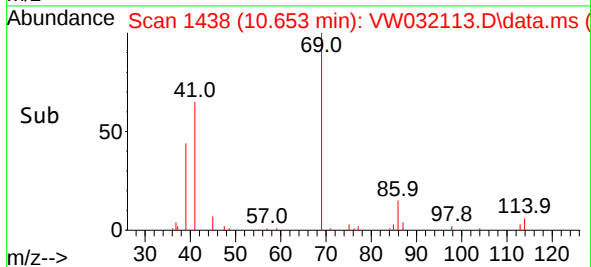
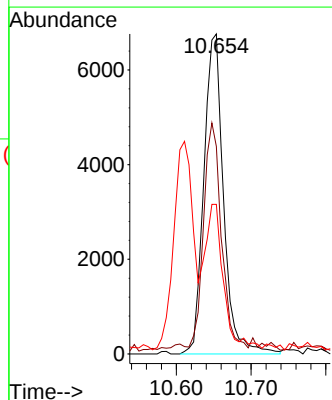
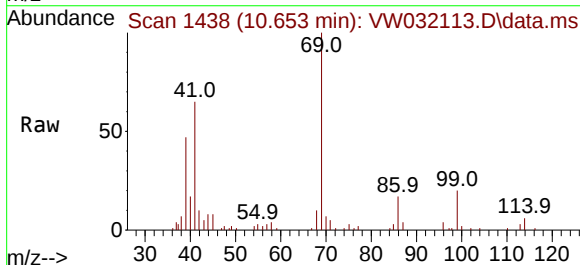
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025

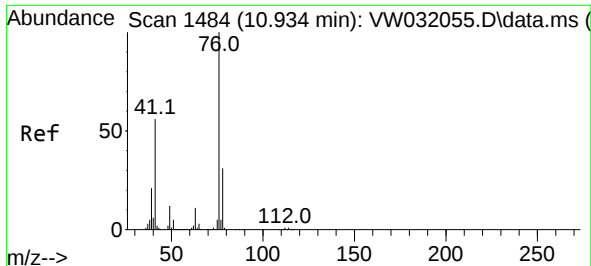
Tgt Ion: 97	Resp: 11470
Ion Ratio	Lower Upper
97 100	
83 74.9	66.4 99.6
85 55.0	43.1 64.7
99 55.2	49.8 74.6



#56
Ethyl methacrylate
Concen: 4.219 ug/l
RT: 10.653 min Scan# 1438
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

Tgt Ion: 69	Resp: 12391
Ion Ratio	Lower Upper
69 100	
41 65.4	51.2 76.8
39 43.1	25.4 38.0#





#57

1,3-Dichloropropane

Concen: 4.906 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. -0.000 min

Lab File: VW032113.D

Acq: 22 Aug 2025 16:07

Instrument :

MSVOA_W

ClientSampleId :

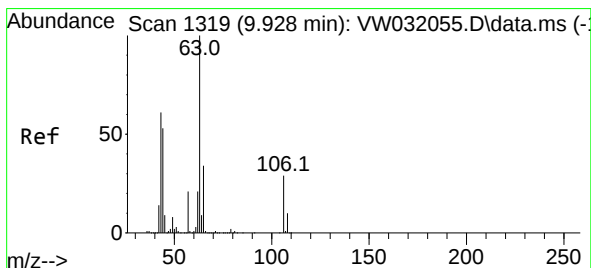
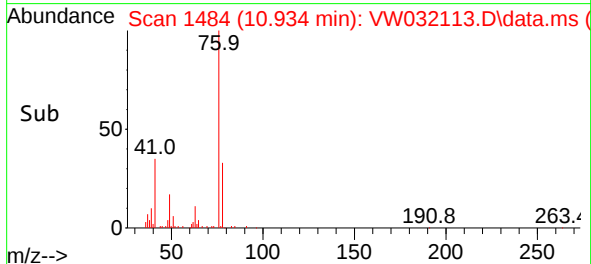
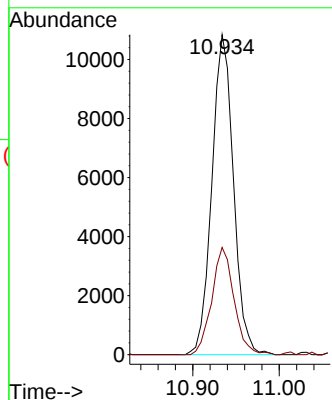
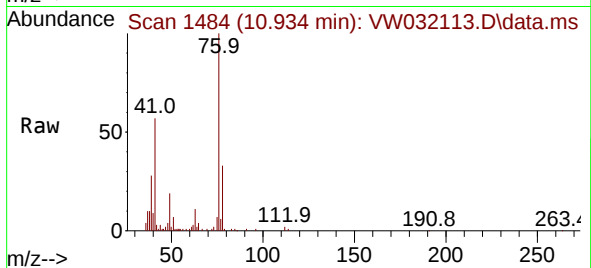
LOQ-SOIL-02-QT3-2025

Tgt Ion: 76 Resp: 18766

Ion Ratio Lower Upper

76 100

78 34.6 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 21.043 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VW032113.D

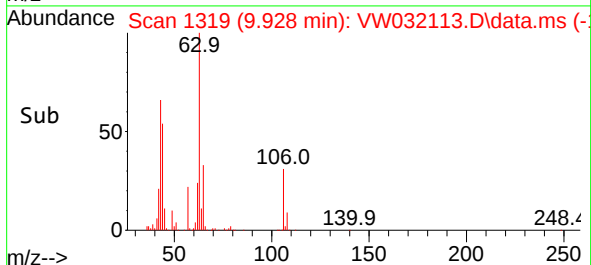
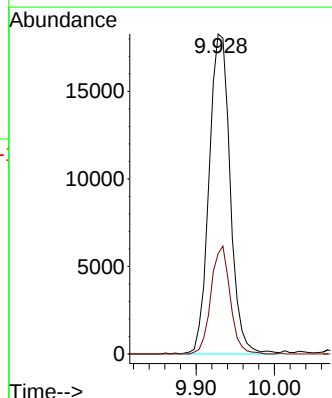
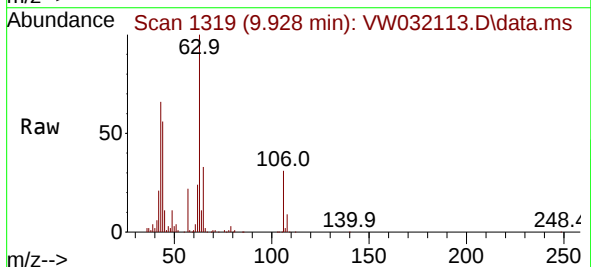
Acq: 22 Aug 2025 16:07

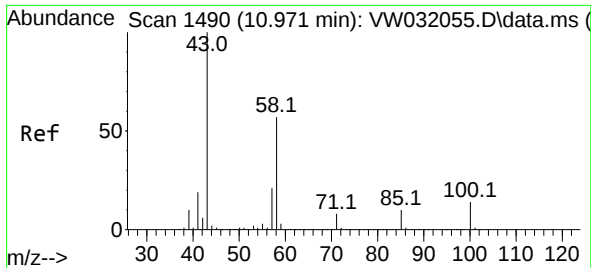
Tgt Ion: 63 Resp: 34181

Ion Ratio Lower Upper

63 100

106 30.6 23.5 35.3

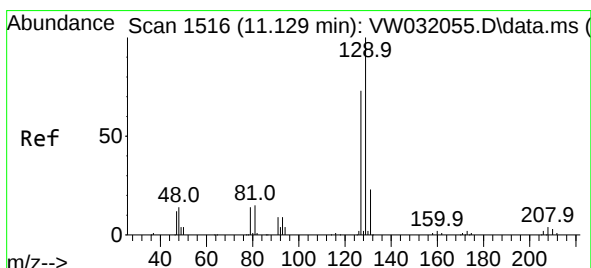
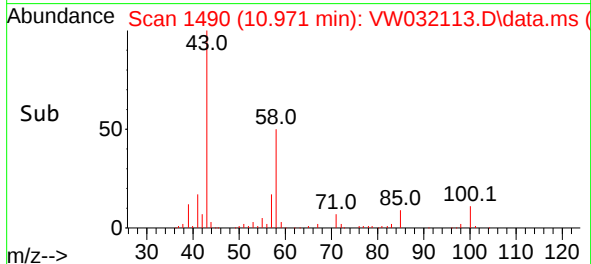
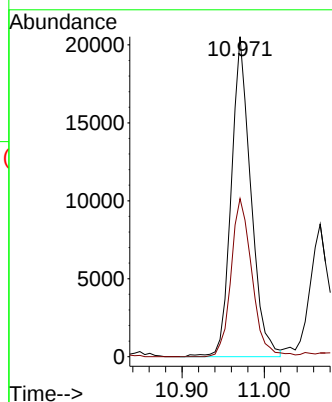
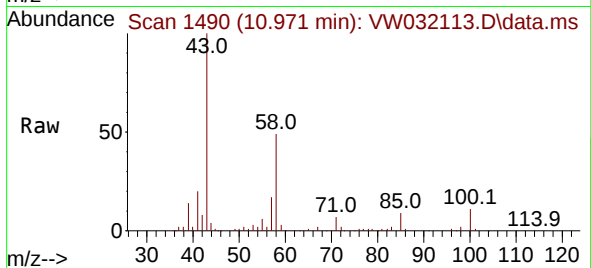




#59
2-Hexanone
Concen: 23.572 ug/l
RT: 10.971 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

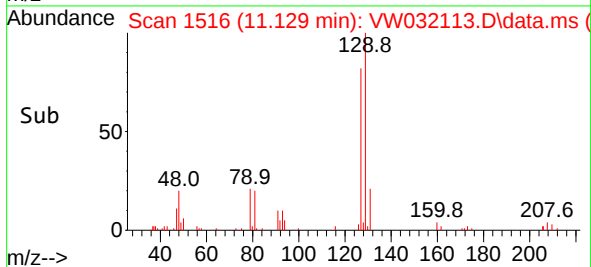
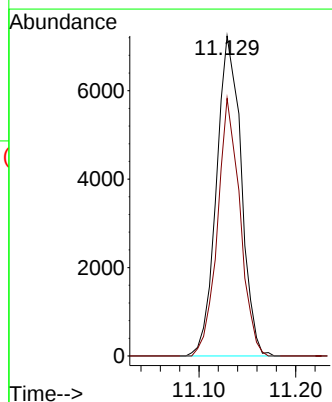
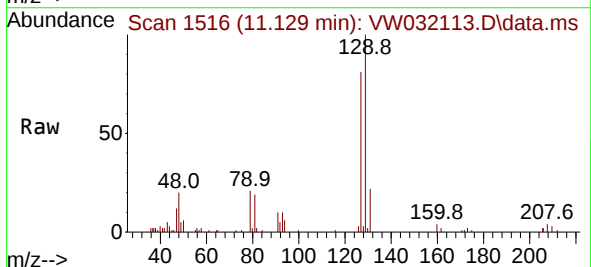
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025

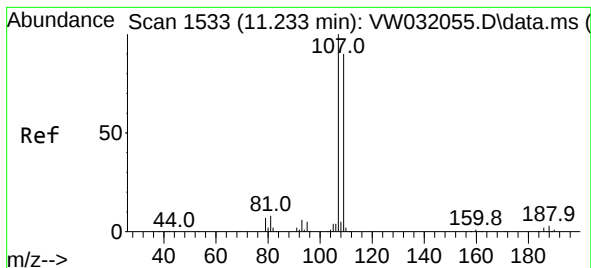
Tgt Ion: 43 Resp: 34021
Ion Ratio Lower Upper
43 100
58 52.7 28.3 85.0



#60
Dibromochloromethane
Concen: 5.119 ug/l
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

Tgt Ion: 129 Resp: 12832
Ion Ratio Lower Upper
129 100
127 73.3 39.0 116.9

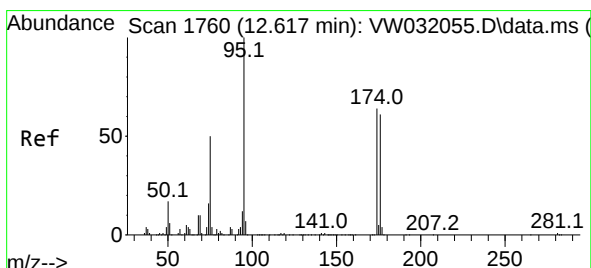
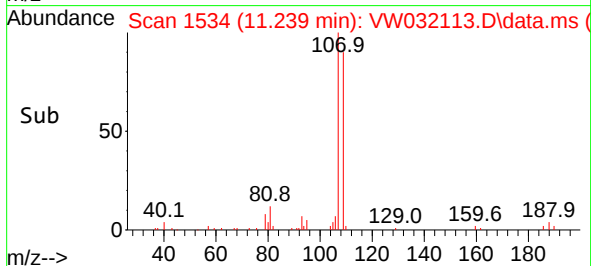
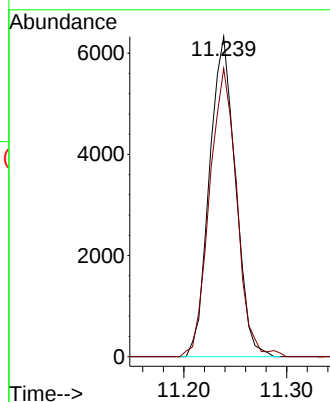
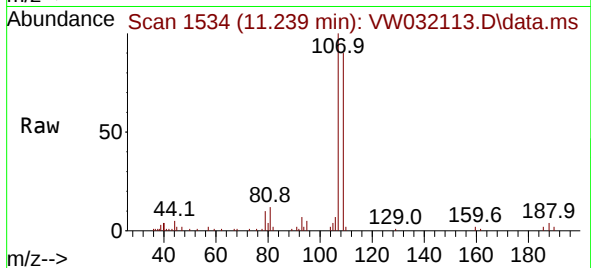




#61
1,2-Dibromoethane
Concen: 5.219 ug/l
RT: 11.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

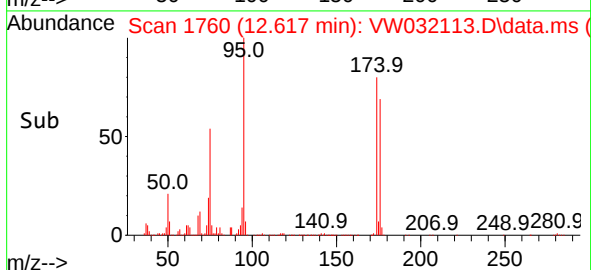
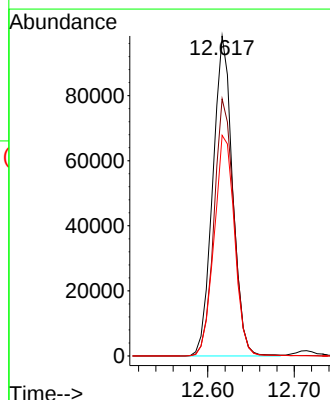
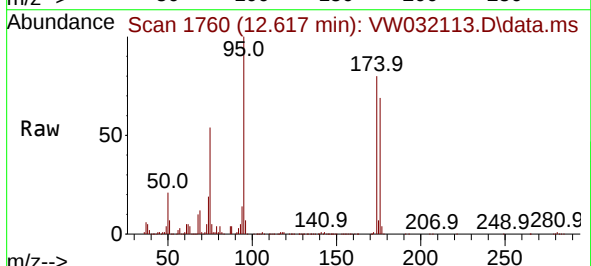
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025

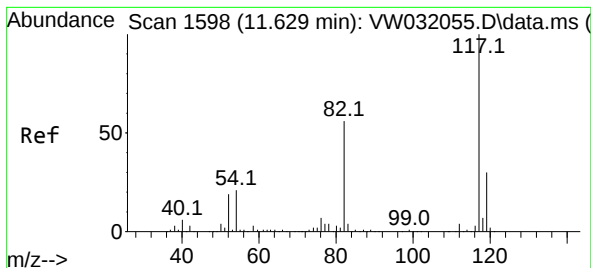
Tgt Ion:107 Resp: 11130
Ion Ratio Lower Upper
107 100
109 94.1 74.2 111.4



#62
4-Bromofluorobenzene
Concen: 47.337 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

Tgt Ion: 95 Resp: 155951
Ion Ratio Lower Upper
95 100
174 80.5 0.0 129.0
176 71.3 0.0 124.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW032113.D

Acq: 22 Aug 2025 16:07

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2025

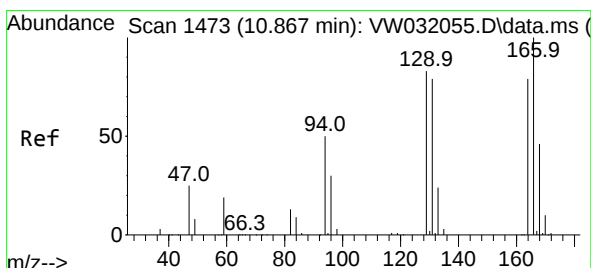
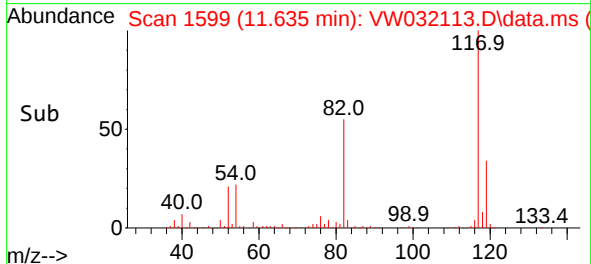
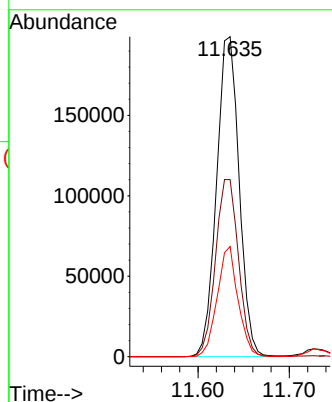
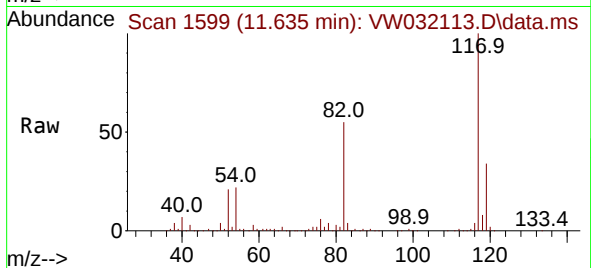
Tgt Ion:117 Resp: 342142

Ion Ratio Lower Upper

117 100

82 55.3 45.0 67.4

119 34.4 24.2 36.4



#64

Tetrachloroethene

Concen: 5.972 ug/l

RT: 10.867 min Scan# 1473

Delta R.T. -0.000 min

Lab File: VW032113.D

Acq: 22 Aug 2025 16:07

Tgt Ion:164 Resp: 11802

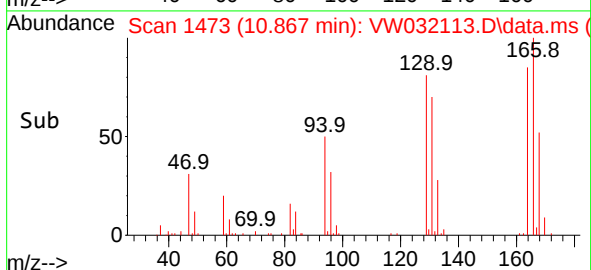
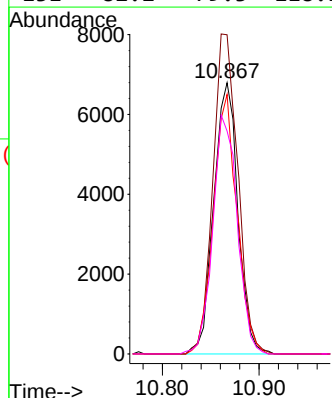
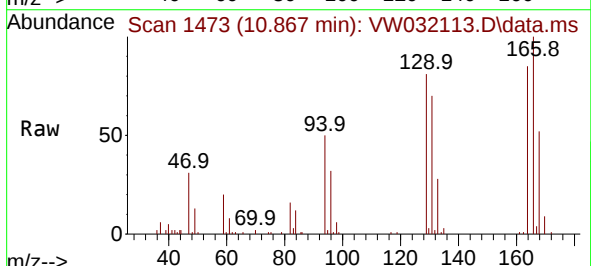
Ion Ratio Lower Upper

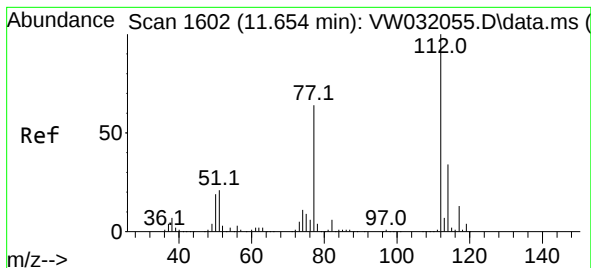
164 100

166 117.7 100.9 151.3

129 95.7 83.6 125.4

131 82.2 79.3 118.9





#65

Chlorobenzene

Concen: 5.033 ug/l

RT: 11.659 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW032113.D

Acq: 22 Aug 2025 16:07

Instrument :

MSVOA_W

ClientSampleId :

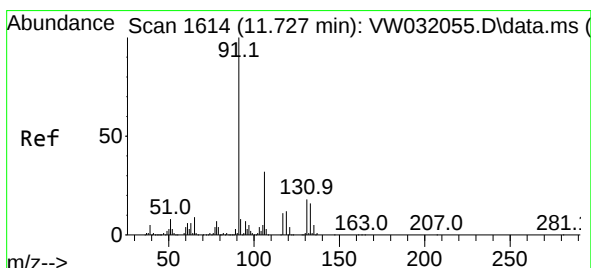
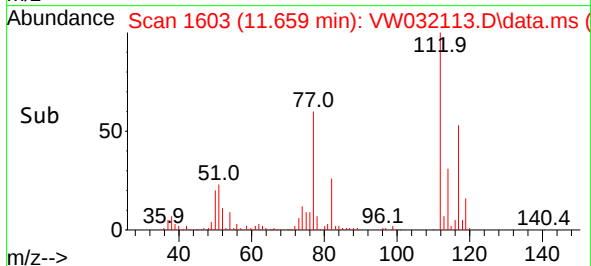
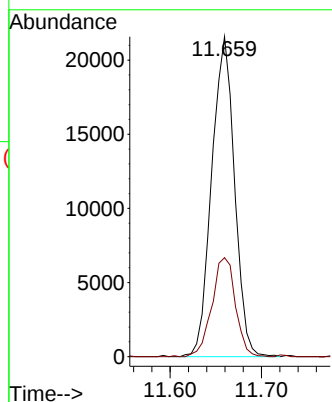
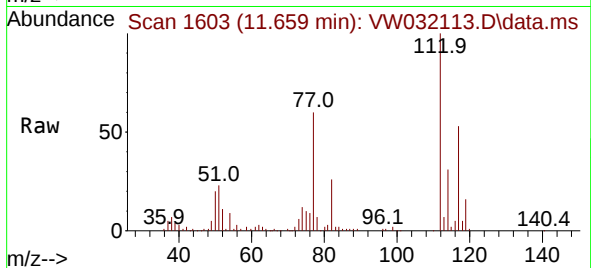
LOQ-SOIL-02-QT3-2025

Tgt Ion:112 Resp: 37479

Ion Ratio Lower Upper

112 100

114 30.4 26.9 40.3



#66

1,1,1,2-Tetrachloroethane

Concen: 5.161 ug/l

RT: 11.733 min Scan# 1615

Delta R.T. 0.006 min

Lab File: VW032113.D

Acq: 22 Aug 2025 16:07

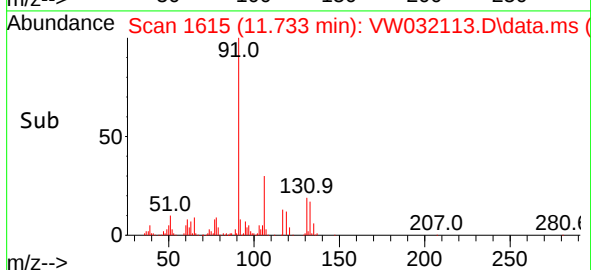
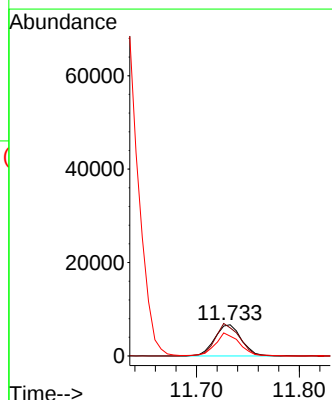
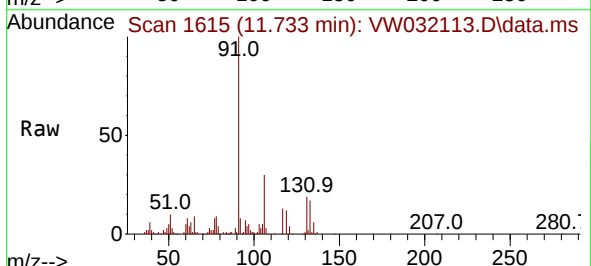
Tgt Ion:131 Resp: 11991

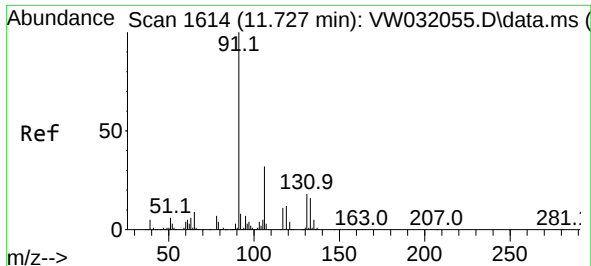
Ion Ratio Lower Upper

131 100

133 95.5 47.3 142.0

119 67.2 34.5 103.5





#67

Ethyl Benzene

Concen: 4.643 ug/l

RT: 11.733 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW032113.D

Acq: 22 Aug 2025 16:07

Instrument :

MSVOA_W

ClientSampleId :

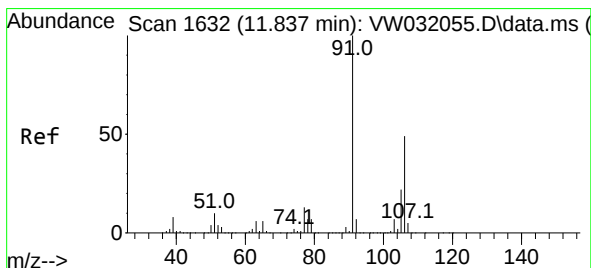
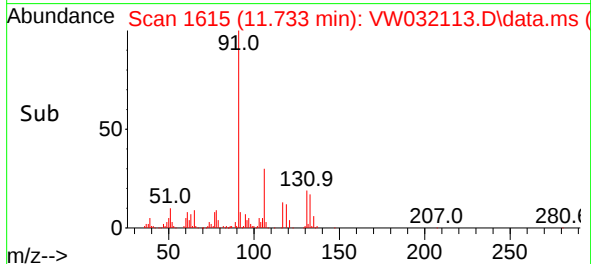
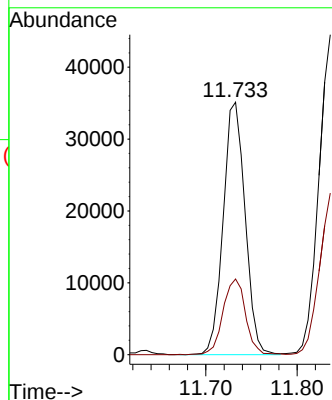
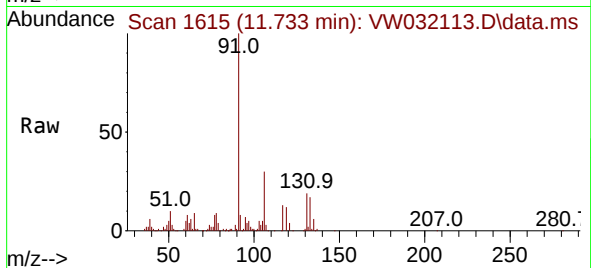
LOQ-SOIL-02-QT3-2025

Tgt Ion: 91 Resp: 58569

Ion Ratio Lower Upper

91 100

106 29.8 25.4 38.0



#68

m/p-Xylenes

Concen: 9.056 ug/l

RT: 11.836 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW032113.D

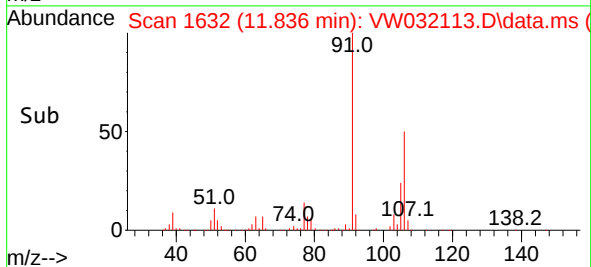
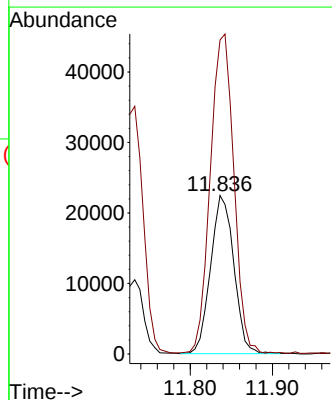
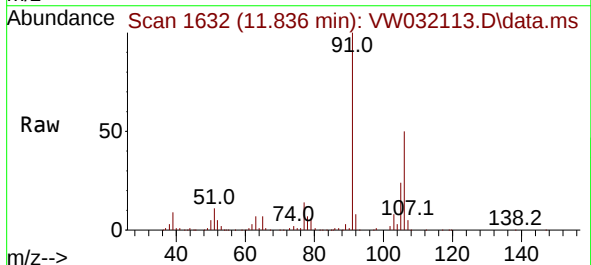
Acq: 22 Aug 2025 16:07

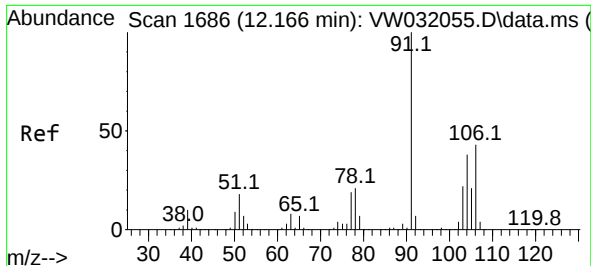
Tgt Ion: 106 Resp: 44081

Ion Ratio Lower Upper

106 100

91 204.3 162.2 243.2

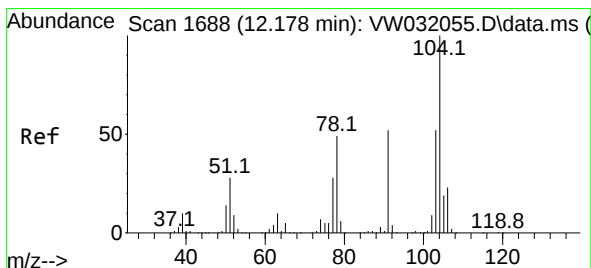
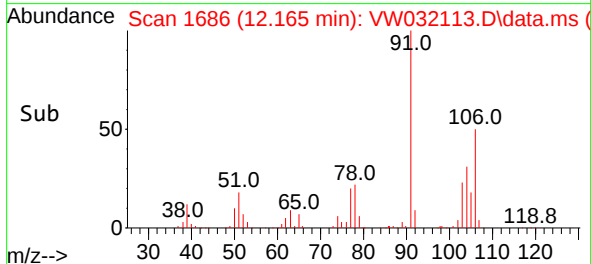
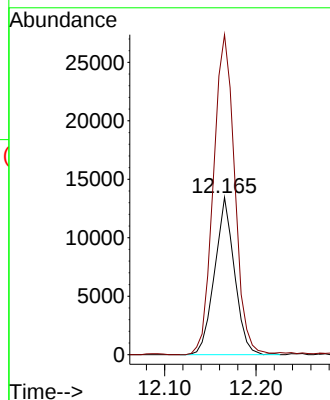
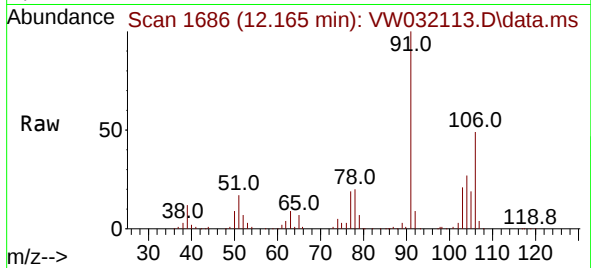




#69
o-Xylene
Concen: 4.518 ug/l
RT: 12.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

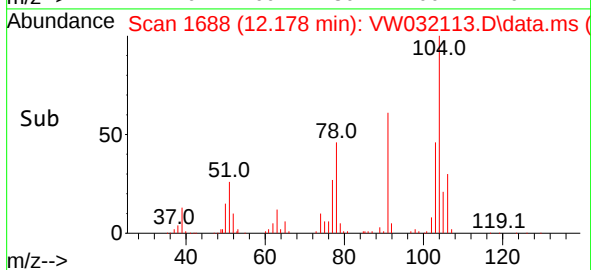
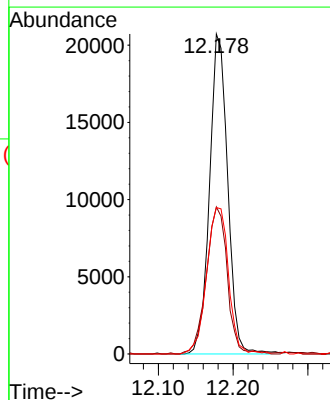
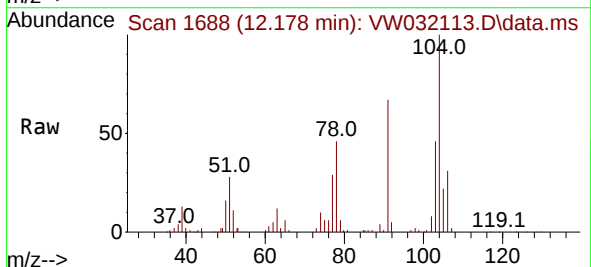
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025

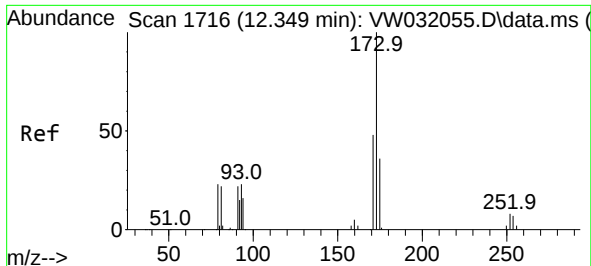
Tgt Ion:106 Resp: 20326
Ion Ratio Lower Upper
106 100
91 218.1 110.8 332.3



#70
Styrene
Concen: 4.377 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

Tgt Ion:104 Resp: 34976
Ion Ratio Lower Upper
104 100
78 52.9 41.2 61.8
103 55.1 43.8 65.8

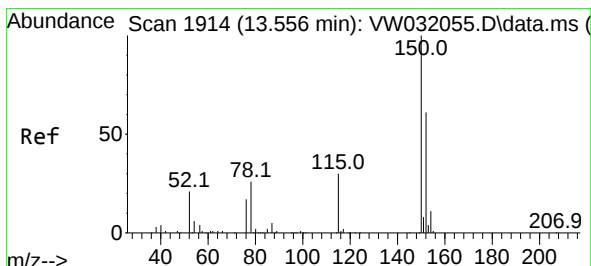
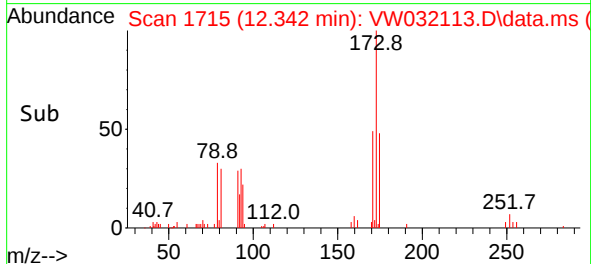
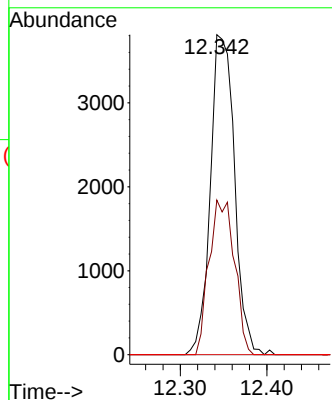
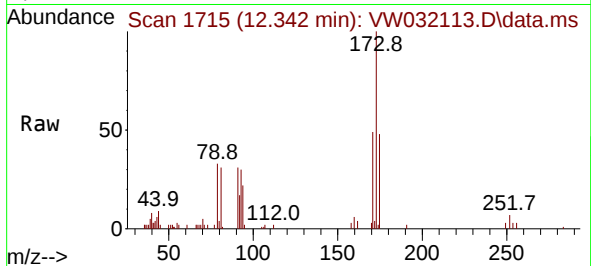




#71
Bromoform
Concen: 5.559 ug/l
RT: 12.342 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

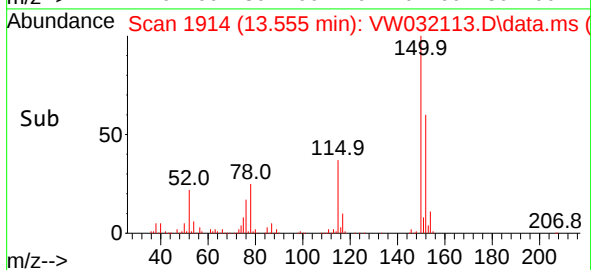
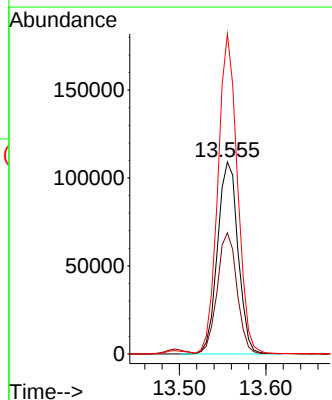
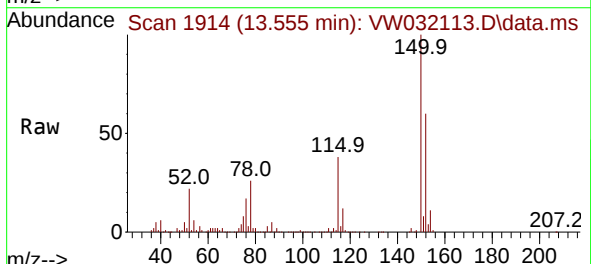
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025

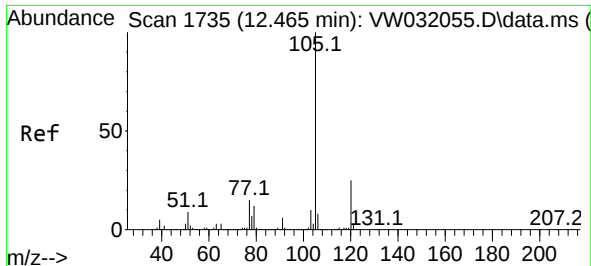
Tgt Ion:173 Resp: 7389
Ion Ratio Lower Upper
173 100
175 50.9 22.9 68.7
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

Tgt Ion:152 Resp: 179477
Ion Ratio Lower Upper
152 100
115 61.1 32.6 97.8
150 158.3 0.0 359.4

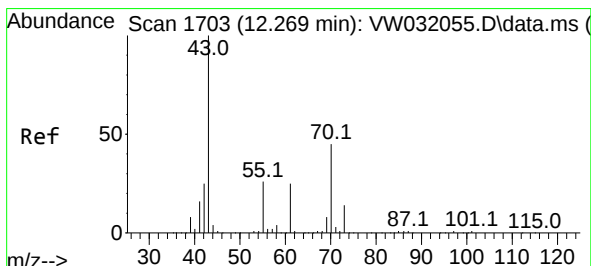
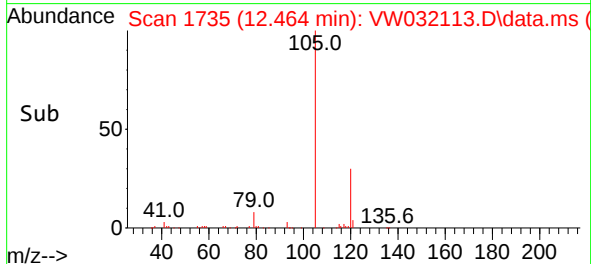
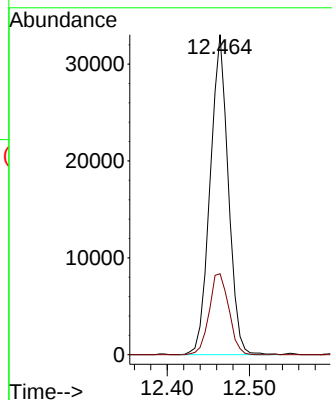
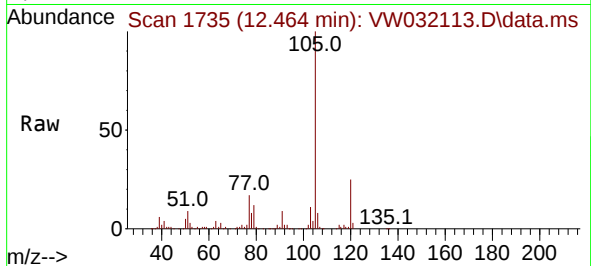




#73
Isopropylbenzene
Concen: 4.038 ug/l
RT: 12.464 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

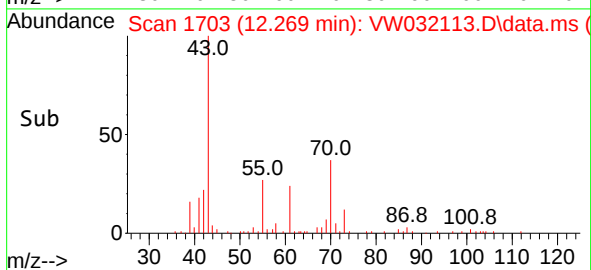
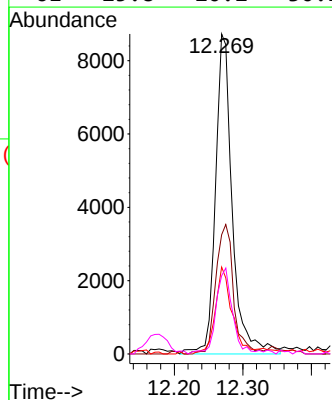
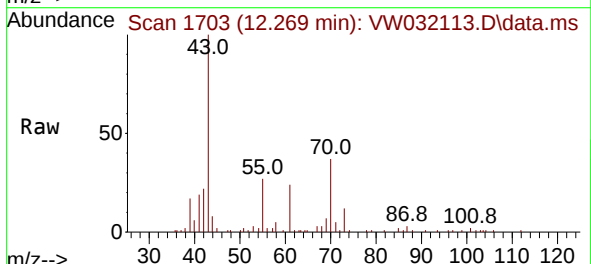
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025

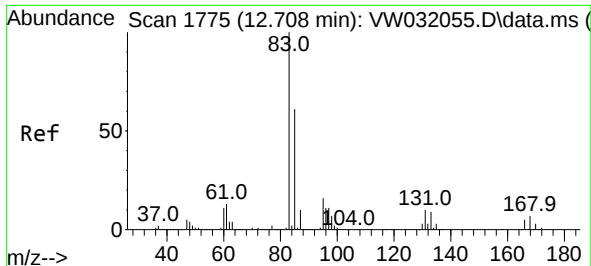
Tgt Ion:105 Resp: 50649
Ion Ratio Lower Upper
105 100
120 27.4 12.8 38.4



#74
N-ethyl acetate
Concen: 4.131 ug/l
RT: 12.269 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

Tgt Ion: 43 Resp: 14867
Ion Ratio Lower Upper
43 100
70 42.6 37.0 55.4
55 26.9 21.1 31.7
61 25.8 20.2 30.2

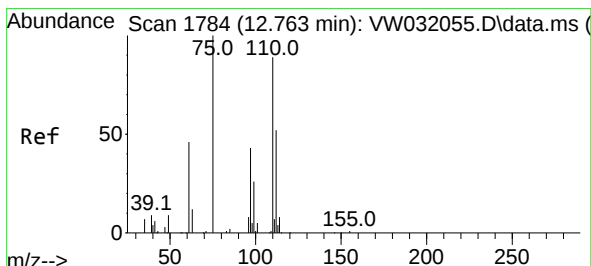
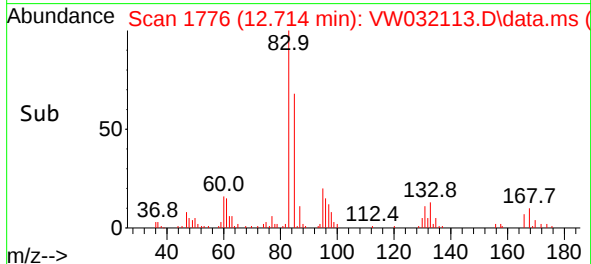
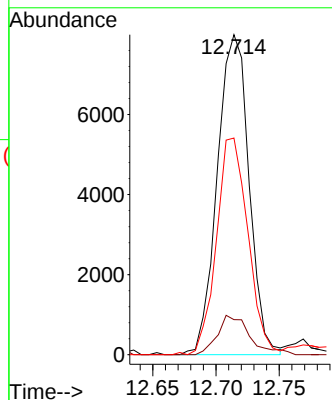
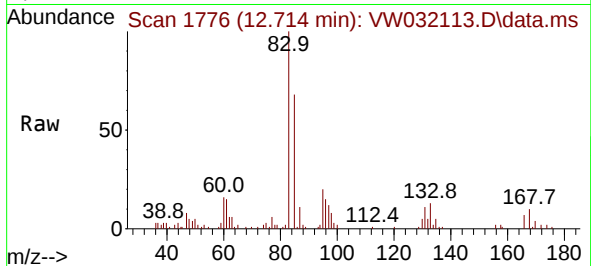




#75
1,1,2-Tetrachloroethane
Concen: 4.685 ug/l
RT: 12.714 min Scan# 1775
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

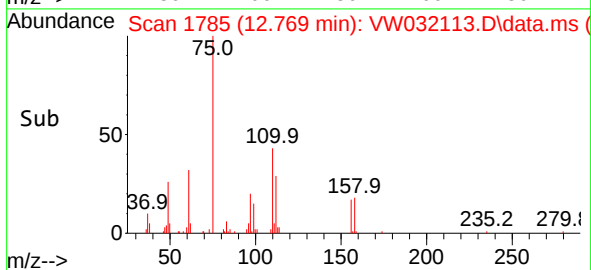
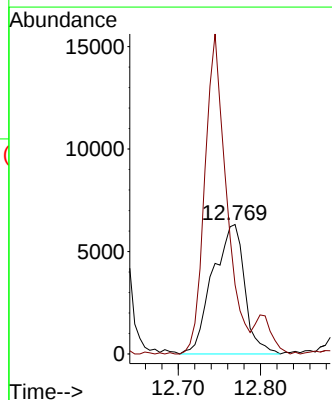
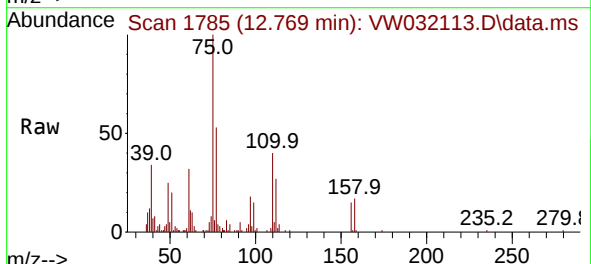
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025

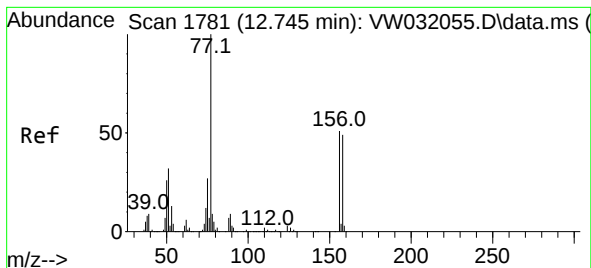
Tgt Ion: 83 Resp: 13951
Ion Ratio Lower Upper
83 100
131 12.5 5.1 15.4
85 67.1 32.2 96.6



#76
1,2,3-Trichloropropane
Concen: 7.017 ug/l
RT: 12.769 min Scan# 1785
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

Tgt Ion: 75 Resp: 17093
Ion Ratio Lower Upper
75 100
77 0.0 123.5 370.5#





#77

Bromobenzene

Concen: 5.014 ug/l

RT: 12.751 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW032113.D

Acq: 22 Aug 2025 16:07

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2025

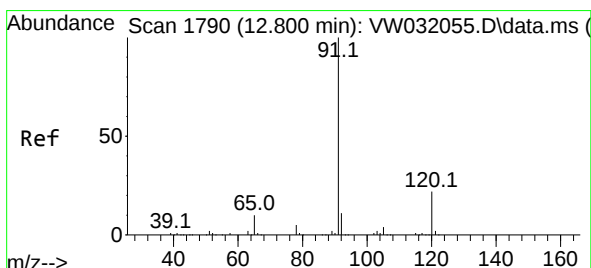
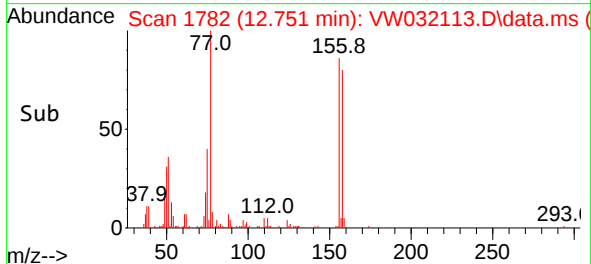
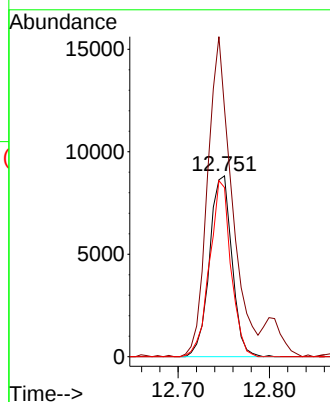
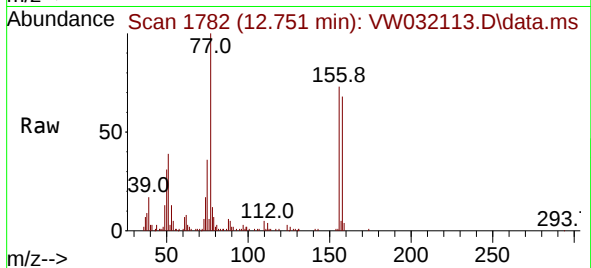
Tgt Ion:156 Resp: 15020

Ion Ratio Lower Upper

156 100

77 191.3 108.7 326.3

158 92.6 48.3 144.9



#78

n-propylbenzene

Concen: 4.243 ug/l

RT: 12.799 min Scan# 1790

Delta R.T. -0.000 min

Lab File: VW032113.D

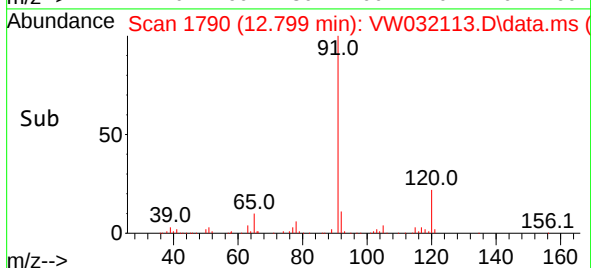
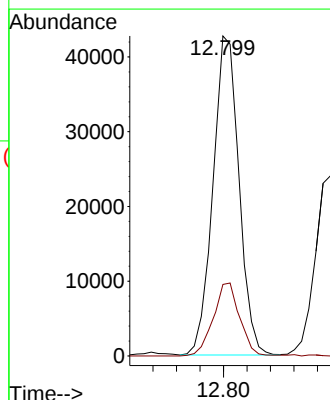
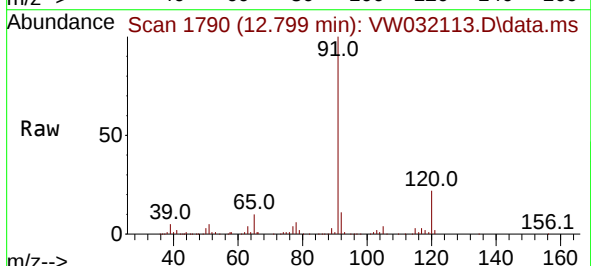
Acq: 22 Aug 2025 16:07

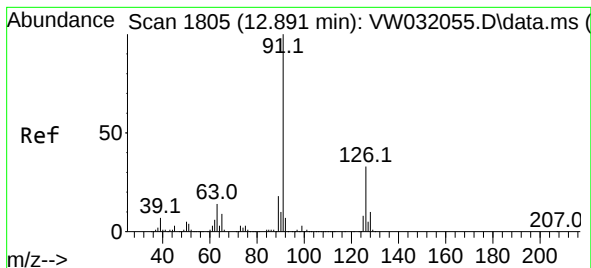
Tgt Ion: 91 Resp: 65528

Ion Ratio Lower Upper

91 100

120 23.2 11.1 33.3





#79

2-Chlorotoluene

Concen: 4.094 ug/l

RT: 12.891 min Scan# 1805

Delta R.T. -0.000 min

Lab File: VW032113.D

Acq: 22 Aug 2025 16:07

Instrument :

MSVOA_W

ClientSampleId :

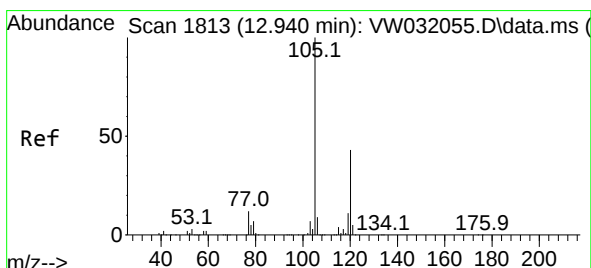
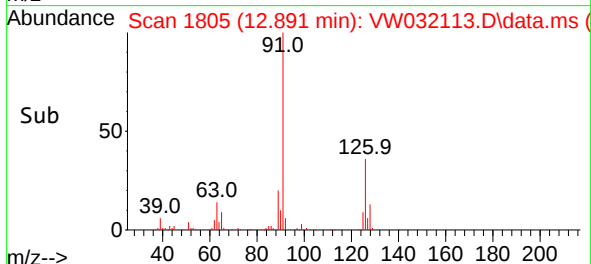
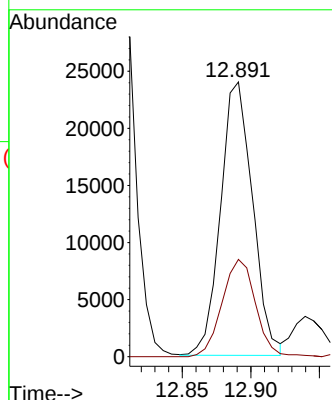
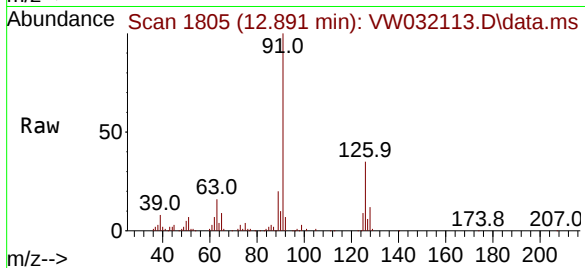
LOQ-SOIL-02-QT3-2025

Tgt Ion: 91 Resp: 39020

Ion Ratio Lower Upper

91 100

126 37.2 15.9 47.7



#80

1,3,5-Trimethylbenzene

Concen: 4.006 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW032113.D

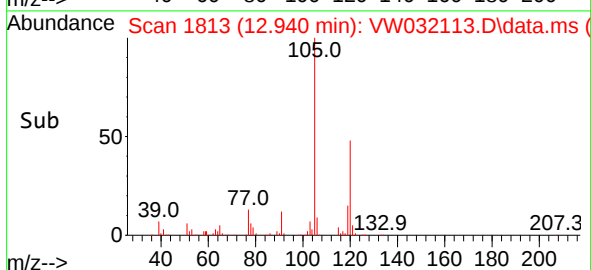
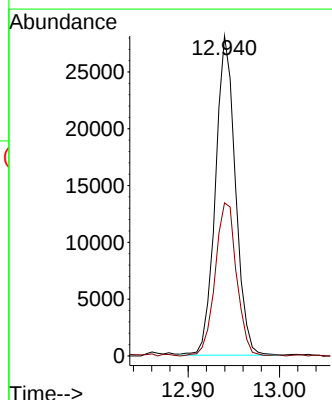
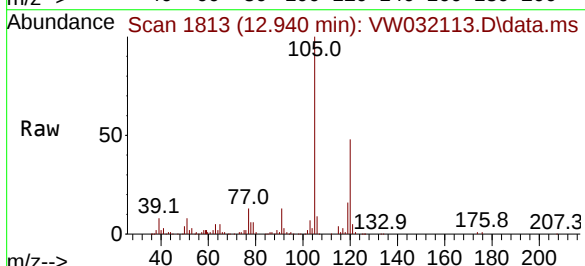
Acq: 22 Aug 2025 16:07

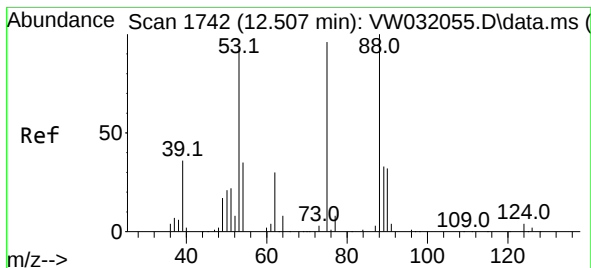
Tgt Ion: 105 Resp: 42658

Ion Ratio Lower Upper

105 100

120 51.9 23.4 70.0

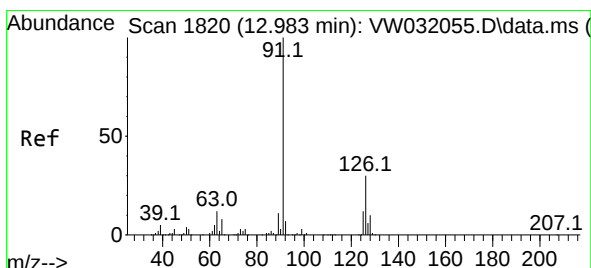
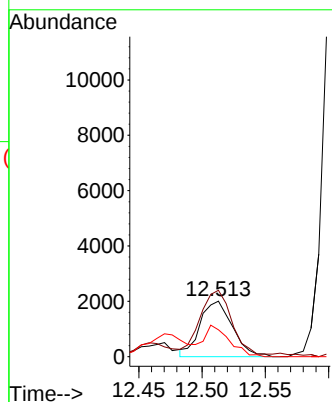
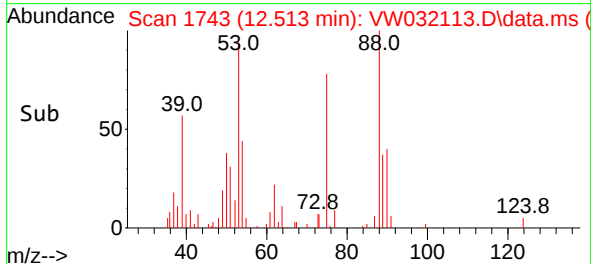
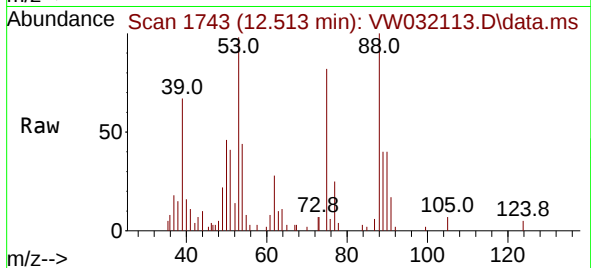




#81
trans-1,4-Dichloro-2-butene
Concen: 3.801 ug/l
RT: 12.513 min Scan# 1743
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

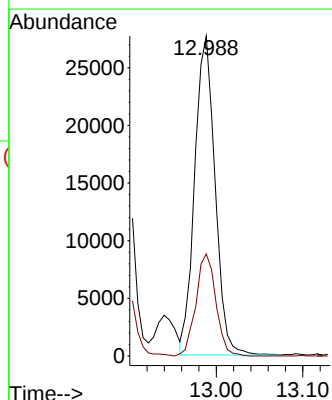
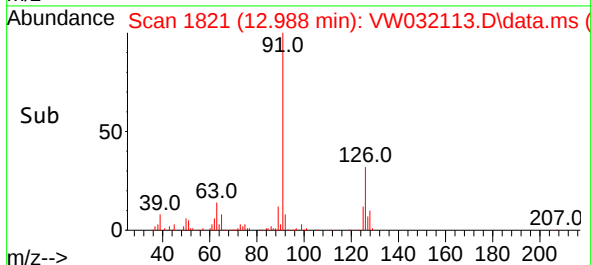
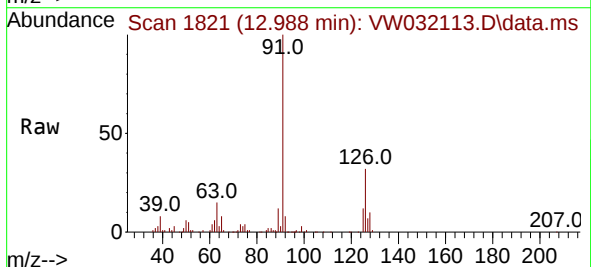
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025

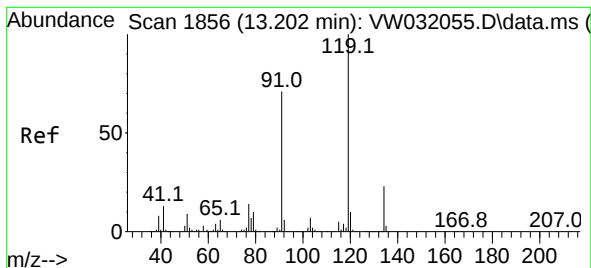
Tgt Ion: 75 Resp: 3576
Ion Ratio Lower Upper
75 100
53 110.5 81.0 121.6
89 43.2 37.3 55.9



#82
4-Chlorotoluene
Concen: 4.468 ug/l
RT: 12.988 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

Tgt Ion: 91 Resp: 45244
Ion Ratio Lower Upper
91 100
126 31.3 15.5 46.5

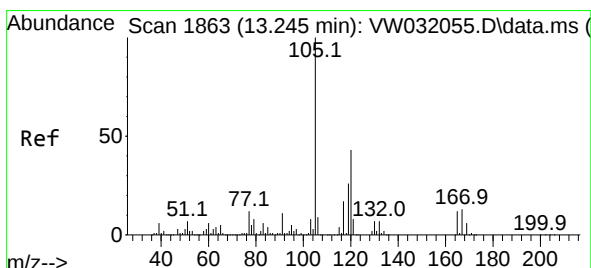
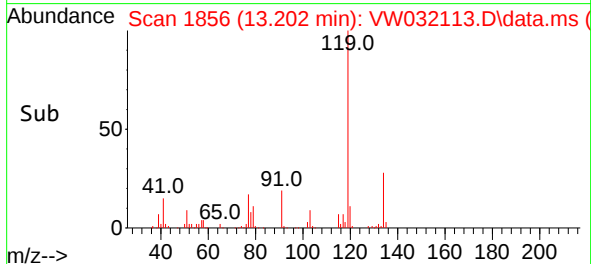
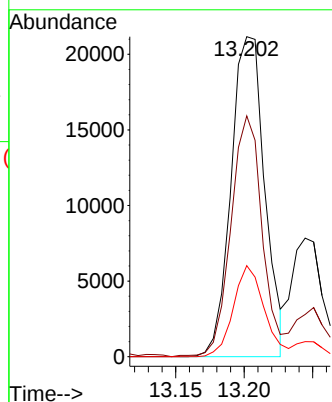
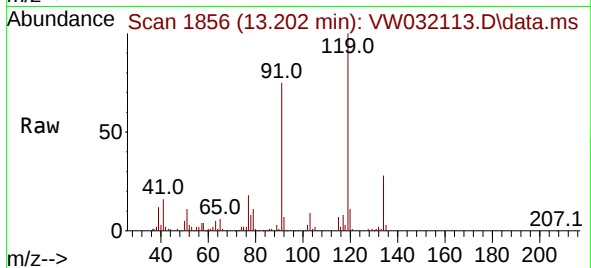




#83
tert-Butylbenzene
Concen: 4.100 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

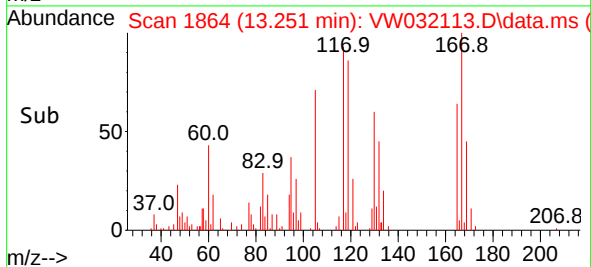
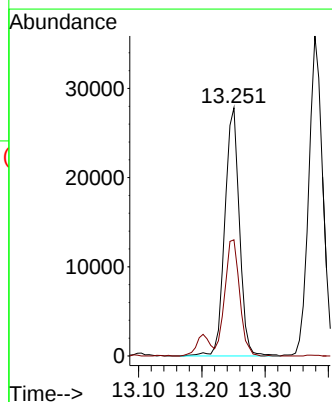
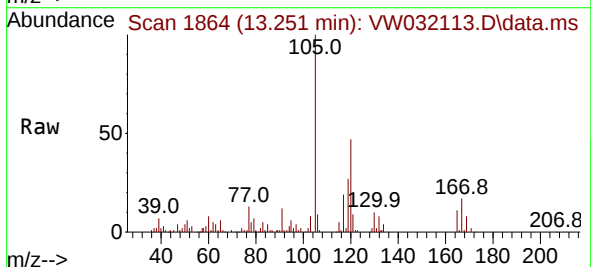
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025

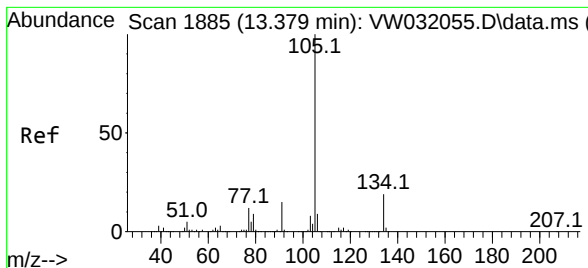
Tgt Ion:119 Resp: 36237
Ion Ratio Lower Upper
119 100
91 69.6 35.3 105.9
134 26.1 12.1 36.3



#84
1,2,4-Trimethylbenzene
Concen: 4.098 ug/l
RT: 13.251 min Scan# 1864
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

Tgt Ion:105 Resp: 44422
Ion Ratio Lower Upper
105 100
120 47.4 21.6 64.8

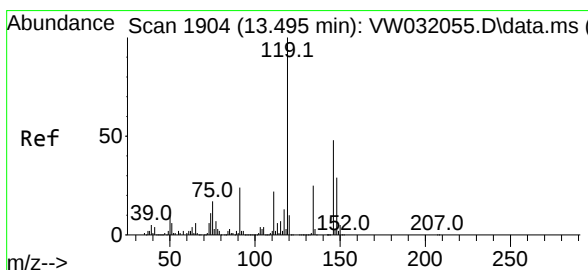
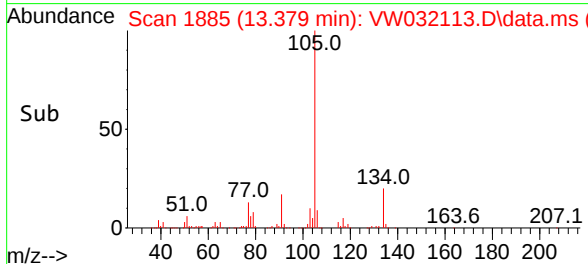
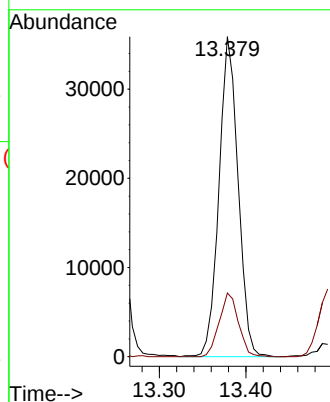
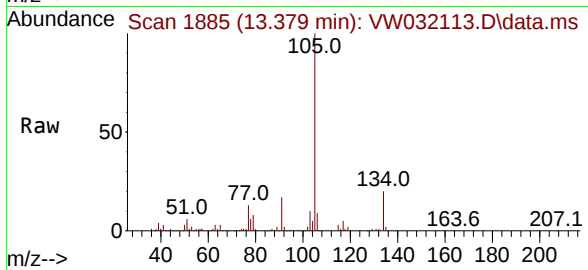




#85
 sec-Butylbenzene
 Concen: 4.115 ug/l
 RT: 13.379 min Scan# 1885
 Delta R.T. -0.000 min
 Lab File: VW032113.D
 Acq: 22 Aug 2025 16:07

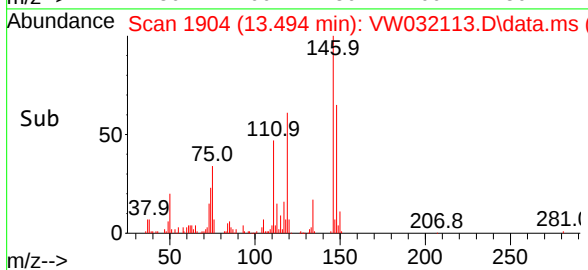
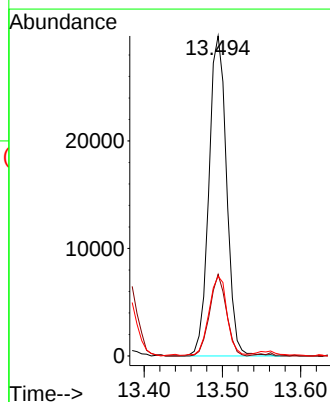
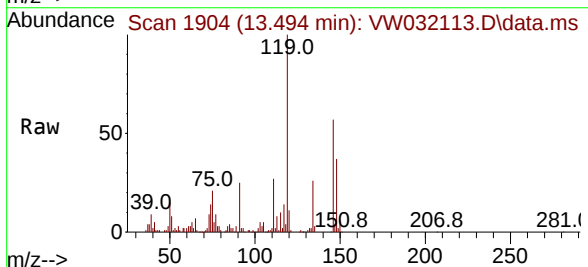
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT3-2025

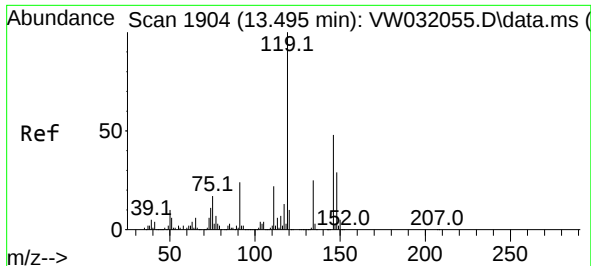
Tgt Ion:105 Resp: 54988
 Ion Ratio Lower Upper
 105 100
 134 20.0 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 4.190 ug/l
 RT: 13.494 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VW032113.D
 Acq: 22 Aug 2025 16:07

Tgt Ion:119 Resp: 46673
 Ion Ratio Lower Upper
 119 100
 134 24.2 12.4 37.0
 91 25.6 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 4.920 ug/l

RT: 13.494 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW032113.D

Acq: 22 Aug 2025 16:07

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2025

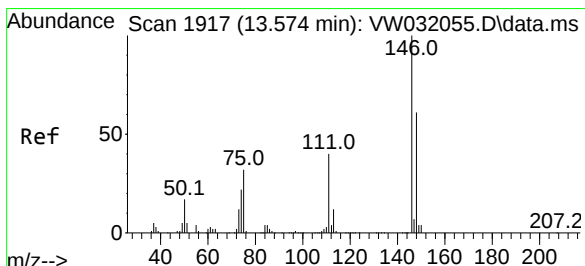
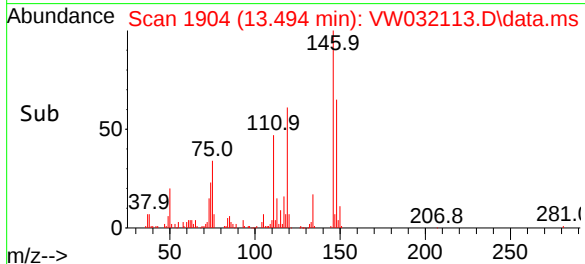
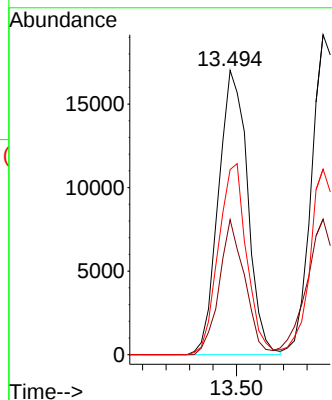
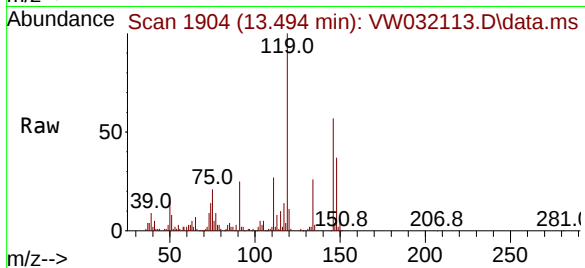
Tgt Ion:146 Resp: 29329

Ion Ratio Lower Upper

146 100

111 41.7 21.2 63.6

148 65.4 30.3 90.8



#88

1,4-Dichlorobenzene

Concen: 5.081 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW032113.D

Acq: 22 Aug 2025 16:07

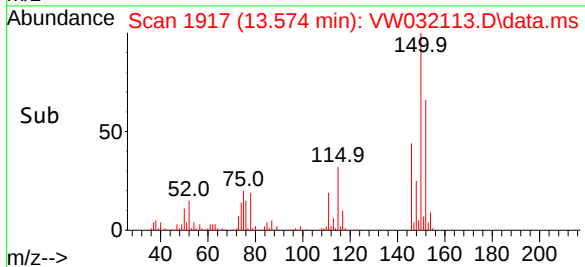
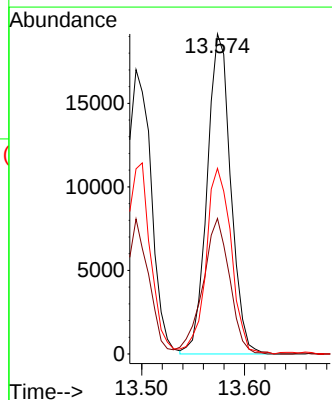
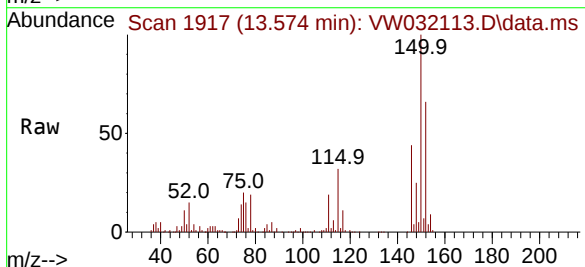
Tgt Ion:146 Resp: 30606

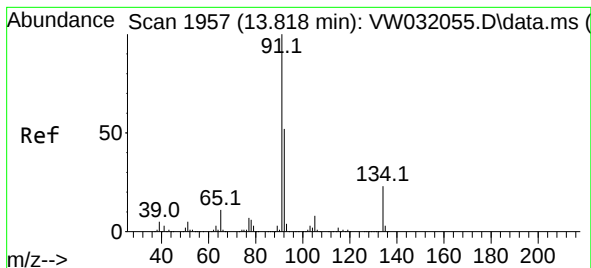
Ion Ratio Lower Upper

146 100

111 48.1 21.6 64.6

148 61.9 32.0 96.2





#89

n-Butylbenzene

Concen: 4.172 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. -0.000 min

Lab File: VW032113.D

Acq: 22 Aug 2025 16:07

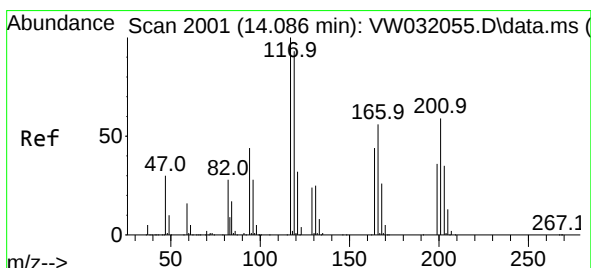
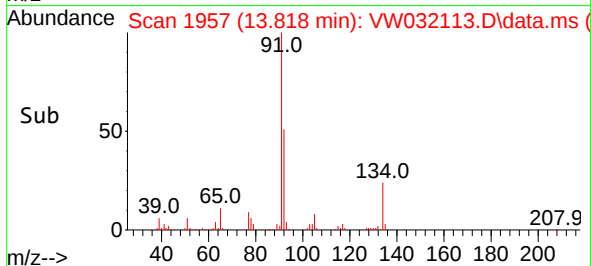
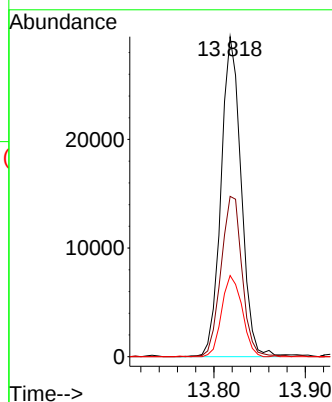
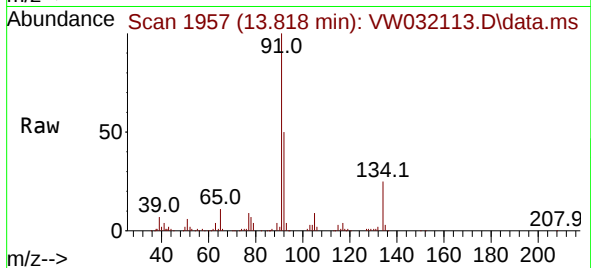
Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2025

Tgt Ion:	91	Resp:	45142
Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.7	80.1
134	25.7	12.0	36.1



#90

Hexachloroethane

Concen: 4.441 ug/l

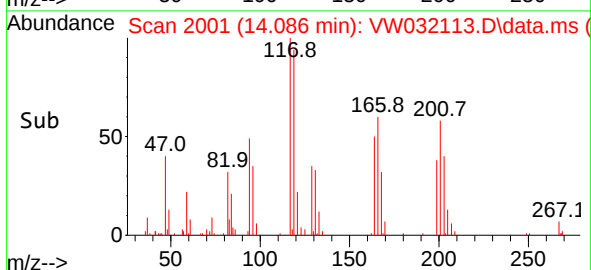
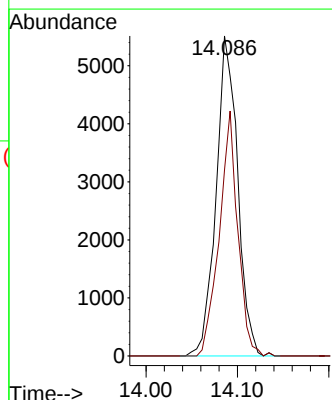
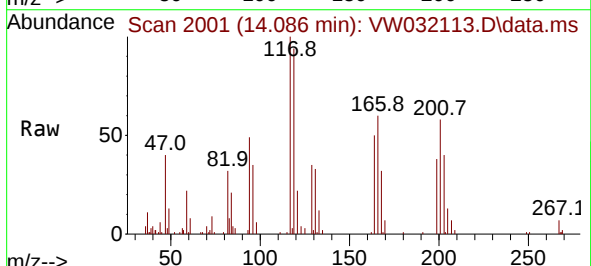
RT: 14.086 min Scan# 2001

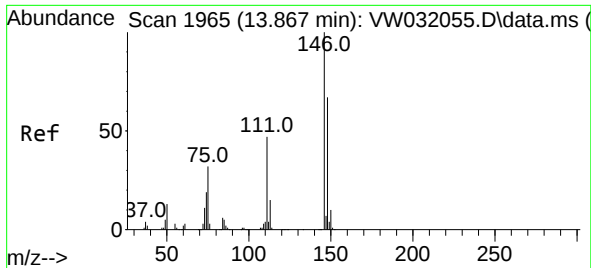
Delta R.T. -0.000 min

Lab File: VW032113.D

Acq: 22 Aug 2025 16:07

Tgt Ion:	117	Resp:	9046
Ion	Ratio	Lower	Upper
117	100		
201	66.0	30.9	92.5

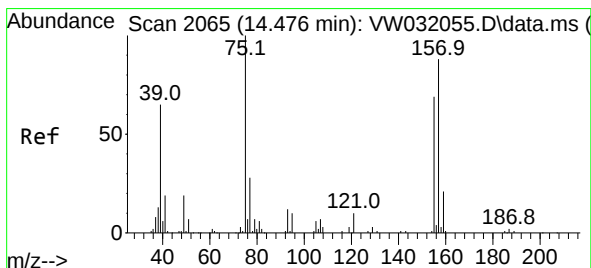
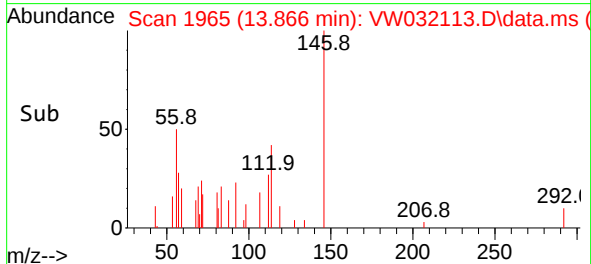
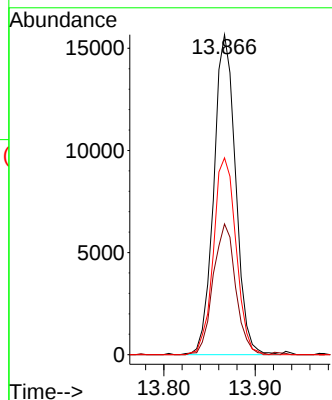
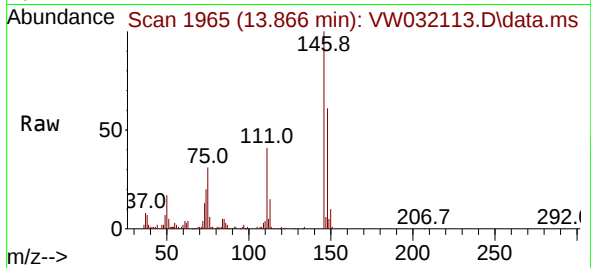




#91
1,2-Dichlorobenzene
Concen: 4.820 ug/l
RT: 13.866 min Scan# 1965
Delta R.T. -0.000 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

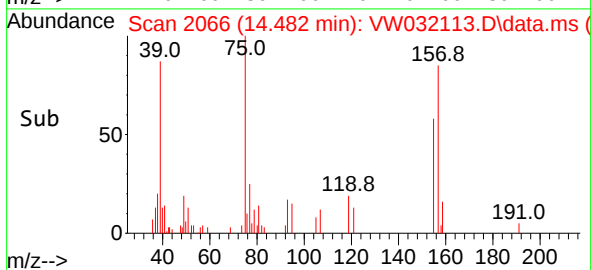
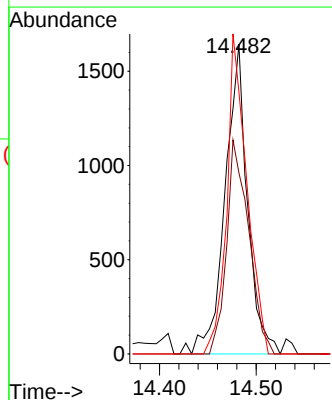
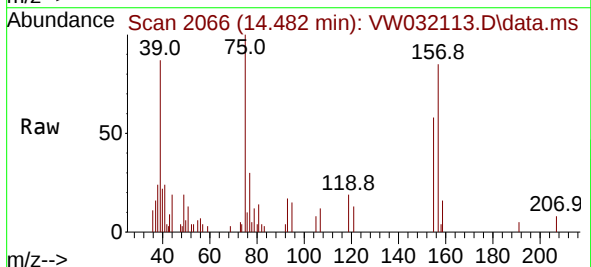
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2025

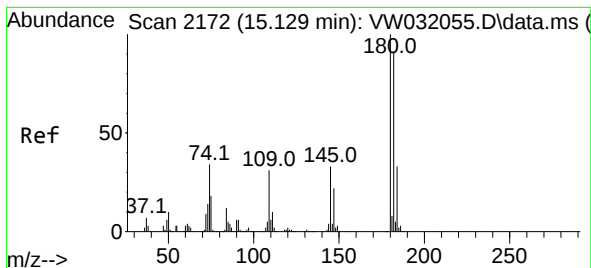
Tgt Ion:	146	Resp:	26030
Ion	Ratio	Lower	Upper
146	100		
111	42.1	23.1	69.3
148	63.7	32.9	98.6



#92
1,2-Dibromo-3-Chloropropane
Concen: 5.005 ug/l
RT: 14.482 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VW032113.D
Acq: 22 Aug 2025 16:07

Tgt Ion:	75	Resp:	2650
Ion	Ratio	Lower	Upper
75	100		
155	68.2	35.2	105.6
157	92.6	47.5	142.6





#93

1,2,4-Trichlorobenzene

Concen: 4.744 ug/l

RT: 15.122 min Scan# 2171

Delta R.T. -0.007 min

Lab File: VW032113.D

Acq: 22 Aug 2025 16:07

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2025

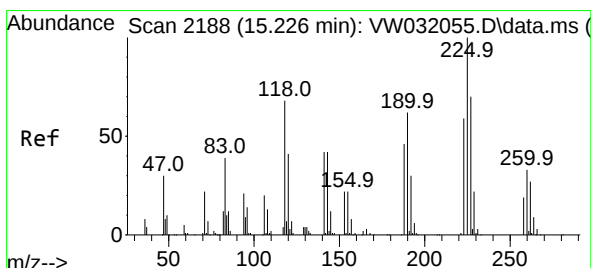
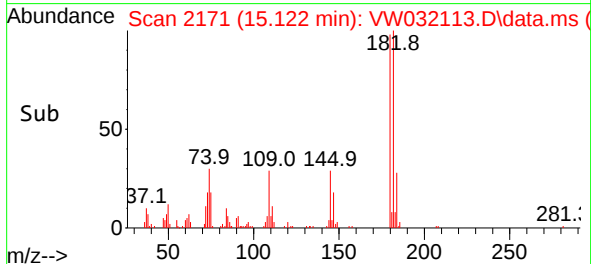
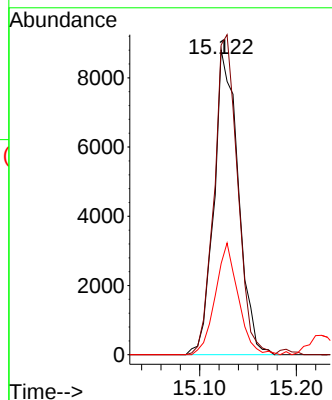
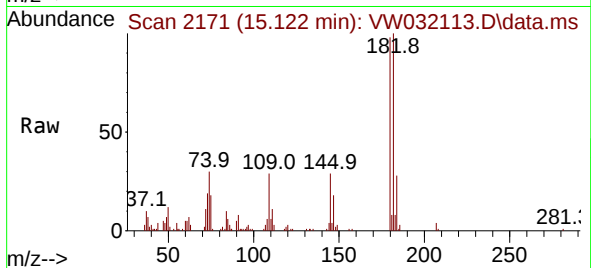
Tgt Ion:180 Resp: 15323

Ion Ratio Lower Upper

180 100

182 101.4 49.0 147.0

145 34.6 17.3 51.9



#94

Hexachlorobutadiene

Concen: 5.739 ug/l

RT: 15.232 min Scan# 2189

Delta R.T. 0.006 min

Lab File: VW032113.D

Acq: 22 Aug 2025 16:07

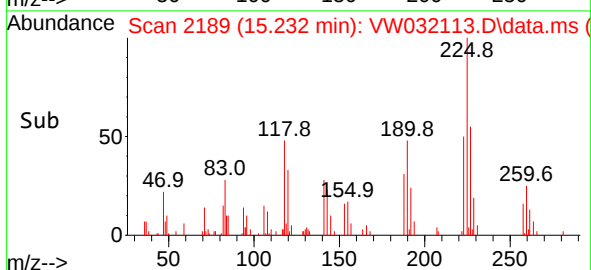
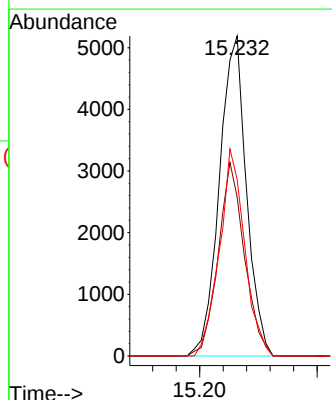
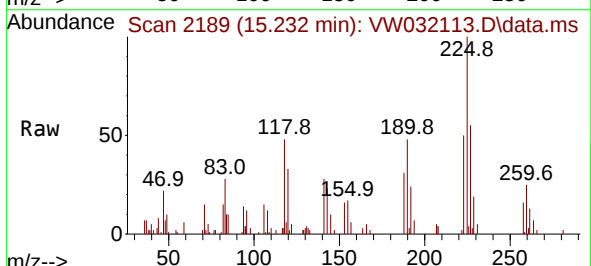
Tgt Ion:225 Resp: 8287

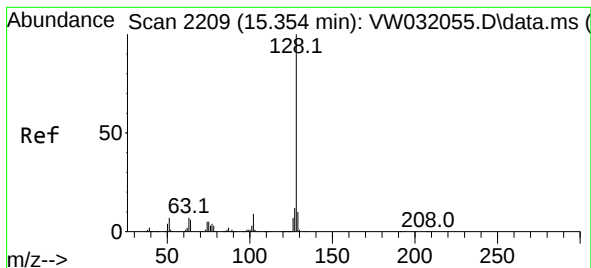
Ion Ratio Lower Upper

225 100

223 58.5 31.8 95.3

227 60.5 33.5 100.5





#95

Naphthalene

Concen: 4.228 ug/l

RT: 15.360 min Scan# 2210

Delta R.T. 0.006 min

Lab File: VW032113.D

Acq: 22 Aug 2025 16:07

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2025

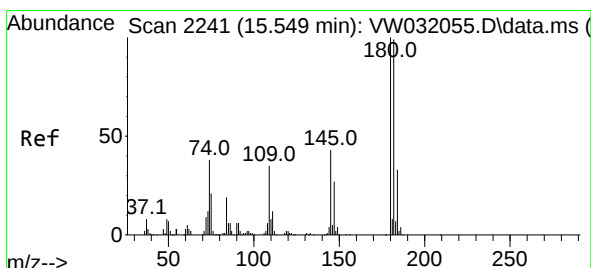
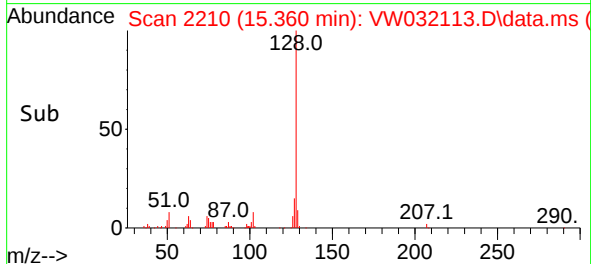
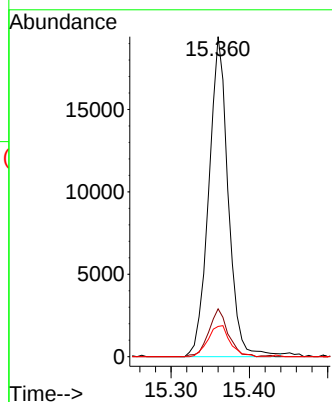
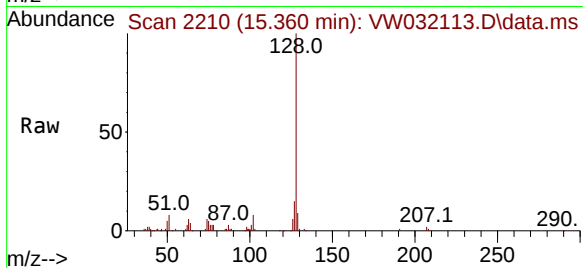
Tgt Ion:128 Resp: 33462

Ion Ratio Lower Upper

128 100

127 14.8 10.5 15.7

129 11.1 8.2 12.4



#96

1,2,3-Trichlorobenzene

Concen: 5.017 ug/l

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW032113.D

Acq: 22 Aug 2025 16:07

Tgt Ion:180 Resp: 14746

Ion Ratio Lower Upper

180 100

182 96.2 46.0 138.0

145 35.9 19.2 57.6

