

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
 Data File : VW032112.D
 Acq On : 22 Aug 2025 15:45
 Operator : SY/MD
 Sample : Q2983-01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Aug 25 03:55:52 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	7.965	168	214156	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.849	114	370337	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	332441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.550	152	172925	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	146086	47.166	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	94.340%
35) Dibromofluoromethane	7.898	113	125963	52.649	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	105.300%
50) Toluene-d8	10.325	98	433846	49.026	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	98.060%
62) 4-Bromofluorobenzene	12.617	95	158728	48.674	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	97.340%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.046	85	5900	3.852	ug/l	91
3) Chloromethane	2.253	50	6062	2.938	ug/l	97
4) Vinyl Chloride	2.399	62	7567	3.032	ug/l	92
5) Bromomethane	2.826	94	6473	3.457	ug/l	94
6) Chloroethane	2.966	64	5628	3.408	ug/l	# 87
7) Trichlorofluoromethane	3.302	101	6795	3.399	ug/l	96
8) Diethyl Ether	3.722	74	7542	4.604	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.106	101	9083	3.851	ug/l	94
10) Methyl Iodide	4.314	142	12530	3.747	ug/l	# 94
11) Tert butyl alcohol	5.222	59	3196	15.935	ug/l	98
12) 1,1-Dichloroethene	4.082	96	9662	3.720	ug/l	99
13) Acrolein	3.930	56	941	2.945	ug/l	# 15
14) Allyl chloride	4.710	41	11416	3.020	ug/l	# 86
15) Acrylonitrile	5.405	53	12408	15.904	ug/l	89
16) Acetone	4.167	43	19744	27.533	ug/l	90
17) Carbon Disulfide	4.423	76	18861	2.706	ug/l	# 93
18) Methyl Acetate	4.716	43	11005	4.850	ug/l	99
19) Methyl tert-butyl Ether	5.472	73	15455	3.377	ug/l	99
20) Methylene Chloride	4.960	84	28444	8.579	ug/l	96
21) trans-1,2-Dichloroethene	5.460	96	9040	3.280	ug/l	94
22) Diisopropyl ether	6.344	45	23929	3.003	ug/l	90
23) Vinyl Acetate	6.283	43	71285	13.625	ug/l	# 93
24) 1,1-Dichloroethane	6.246	63	16957	3.331	ug/l	99
25) 2-Butanone	7.197	43	17868	17.532	ug/l	99
26) 2,2-Dichloropropane	7.191	77	9451	3.700	ug/l	98
27) cis-1,2-Dichloroethene	7.197	96	10921	3.390	ug/l	95
28) Bromochloromethane	7.533	49	9007	3.888	ug/l	96
29) Tetrahydrofuran	7.557	42	11272	16.770	ug/l	95
30) Chloroform	7.697	83	19531	3.618	ug/l	100
31) Cyclohexane	7.972	56	17402	3.943	ug/l	# 82
32) 1,1,1-Trichloroethane	7.886	97	14629	3.731	ug/l	94
36) 1,1-Dichloropropene	8.100	75	12464	3.695	ug/l	98
37) Ethyl Acetate	7.283	43	6758	3.402	ug/l	98
38) Carbon Tetrachloride	8.081	117	13434	4.127	ug/l	99
39) Methylcyclohexane	9.343	83	13579	3.303	ug/l	97
40) Benzene	8.337	78	38774	3.698	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	3539	3.142	ug/l #	74
42) 1,2-Dichloroethane	8.411	62	13322	3.971	ug/l	99
43) Isopropyl Acetate	8.441	43	13368	3.658	ug/l	98
44) Trichloroethene	9.099	130	10153	4.067	ug/l	99
45) 1,2-Dichloropropane	9.374	63	9134	3.606	ug/l	91
46) Dibromomethane	9.471	93	6582	4.026	ug/l	96
47) Bromodichloromethane	9.654	83	14390	3.820	ug/l	97
48) Methyl methacrylate	9.447	41	5727	3.246	ug/l #	89
49) 1,4-Dioxane	9.471	88	1454	68.793	ug/l #	69
51) 4-Methyl-2-Pentanone	10.215	43	37277	18.071	ug/l	94
52) Toluene	10.392	92	25348	3.839	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	11969	3.392	ug/l	97
54) cis-1,3-Dichloropropene	10.081	75	13398	3.347	ug/l	90
55) 1,1,2-Trichloroethane	10.788	97	8388	3.861	ug/l	97
56) Ethyl methacrylate	10.648	69	9035	3.108	ug/l #	89
57) 1,3-Dichloropropane	10.934	76	14604	3.857	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.929	63	24647	15.329	ug/l	94
59) 2-Hexanone	10.971	43	24075	16.852	ug/l	93
60) Dibromochloromethane	11.130	129	9248	3.727	ug/l	95
61) 1,2-Dibromoethane	11.239	107	8275	3.920	ug/l	96
64) Tetrachloroethene	10.861	164	8852	4.610	ug/l #	84
65) Chlorobenzene	11.660	112	28025	3.873	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.733	131	8648	3.831	ug/l	95
67) Ethyl Benzene	11.733	91	43063	3.513	ug/l	97
68) m/p-Xylenes	11.837	106	33068	6.992	ug/l	100
69) o-Xylene	12.166	106	14814	3.389	ug/l	99
70) Styrene	12.178	104	25299	3.258	ug/l	99
71) Bromoform	12.343	173	5671	4.391	ug/l #	99
73) Isopropylbenzene	12.465	105	37789	3.127	ug/l	99
74) N-amyl acetate	12.276	43	11231	3.239	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.715	83	10512	3.664	ug/l	98
76) 1,2,3-Trichloropropane	12.763	75	12960	5.522	ug/l #	1
77) Bromobenzene	12.745	156	11603	4.020	ug/l	86
78) n-propylbenzene	12.800	91	48982	3.292	ug/l	99
79) 2-Chlorotoluene	12.891	91	30331	3.303	ug/l	97
80) 1,3,5-Trimethylbenzene	12.940	105	32226	3.141	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.617	75	85351	94.148	ug/l #	9
82) 4-Chlorotoluene	12.989	91	31856	3.265	ug/l	97
83) tert-Butylbenzene	13.202	119	27338	3.211	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	32862	3.146	ug/l	96
85) sec-Butylbenzene	13.379	105	40635	3.156	ug/l	99
86) p-Isopropyltoluene	13.495	119	33692	3.139	ug/l	96
87) 1,3-Dichlorobenzene	13.495	146	21994	3.829	ug/l	94
88) 1,4-Dichlorobenzene	13.574	146	23388	4.030	ug/l	95
89) n-Butylbenzene	13.818	91	33908	3.252	ug/l	96
90) Hexachloroethane	14.086	117	7214	3.676	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	19771	3.800	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.483	75	2008	3.936	ug/l	89
93) 1,2,4-Trichlorobenzene	15.129	180	11837	3.803	ug/l	96
94) Hexachlorobutadiene	15.226	225	5968	4.290	ug/l	94
95) Naphthalene	15.360	128	22969	3.012	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.543	180	11216	3.961	ug/l	94

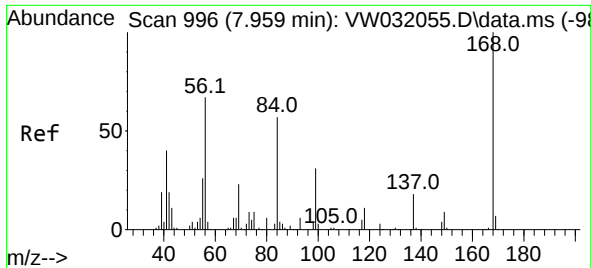
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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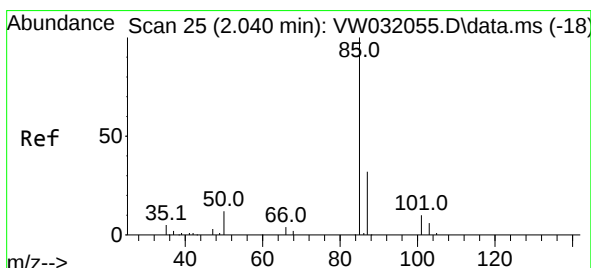
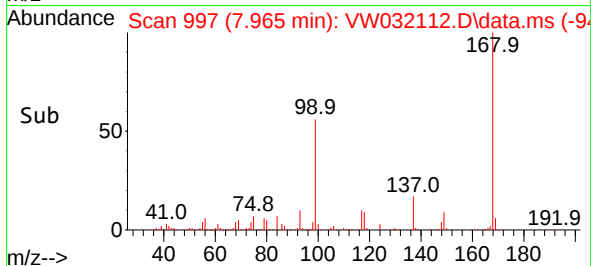
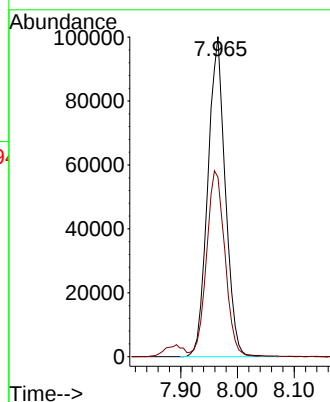
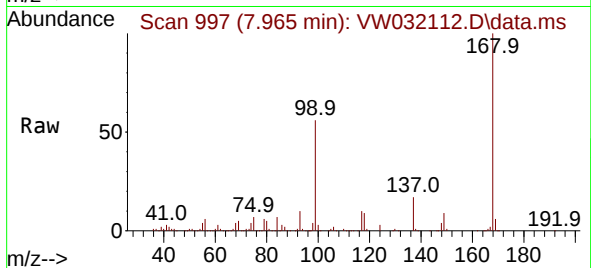
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.006 min
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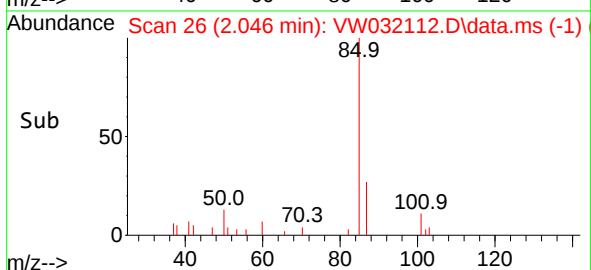
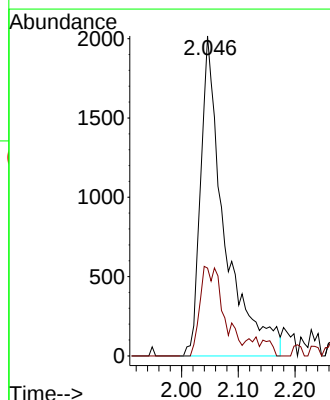
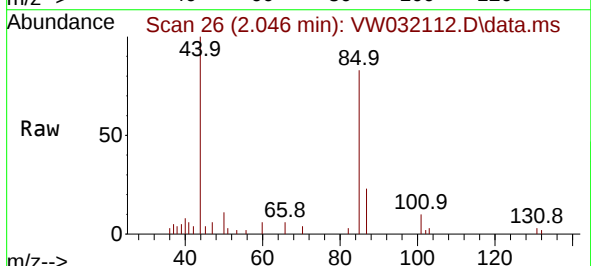
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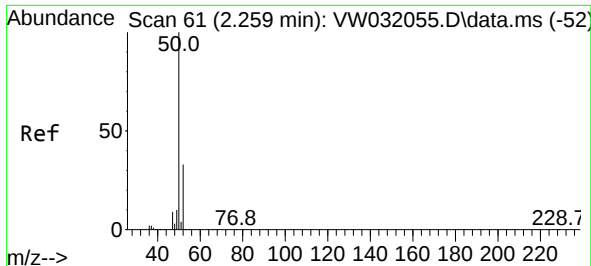
Tgt Ion:168 Resp: 214156
Ion Ratio Lower Upper
168 100
99 56.0 56.0 84.0#



#2
Dichlorodifluoromethane
Concen: 3.852 ug/l
RT: 2.046 min Scan# 26
Delta R.T. 0.006 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

Tgt Ion: 85 Resp: 5900
Ion Ratio Lower Upper
85 100
87 27.4 16.2 48.6

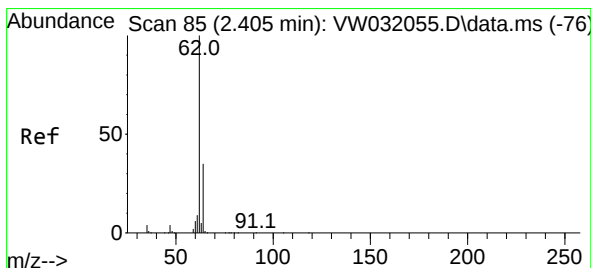
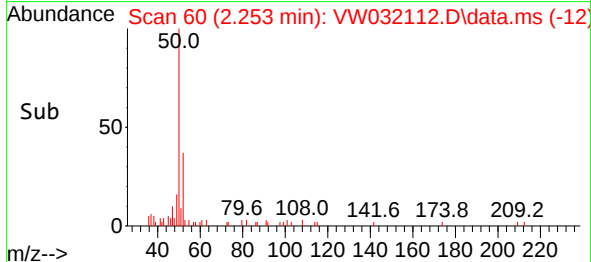
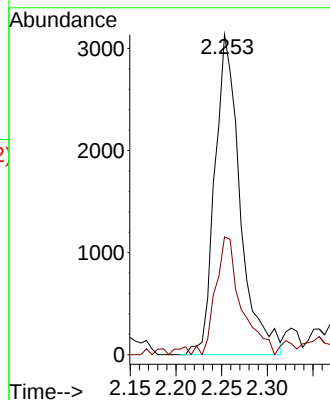
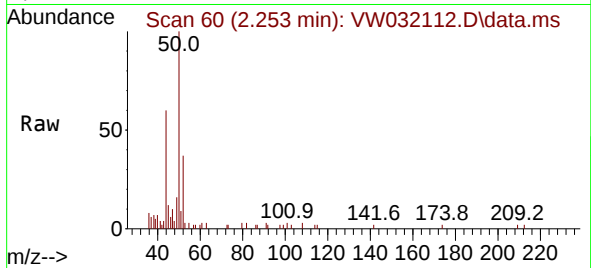




#3
Chloromethane
Concen: 2.938 ug/l
RT: 2.253 min Scan# 60
Delta R.T. -0.006 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

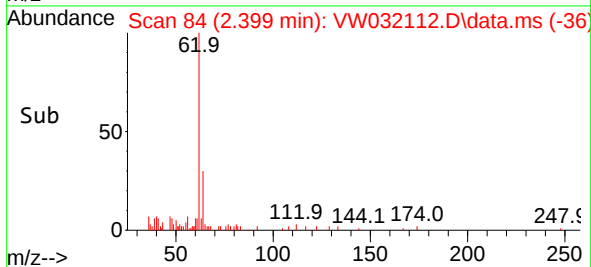
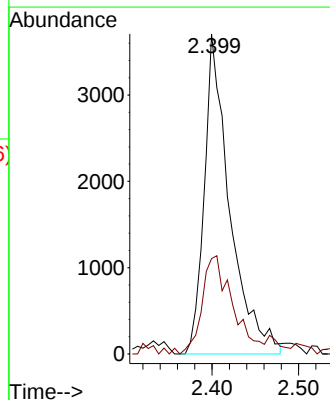
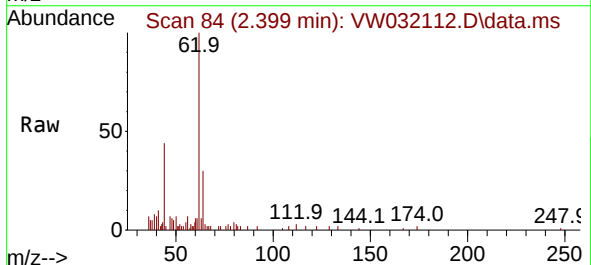
Instrument :
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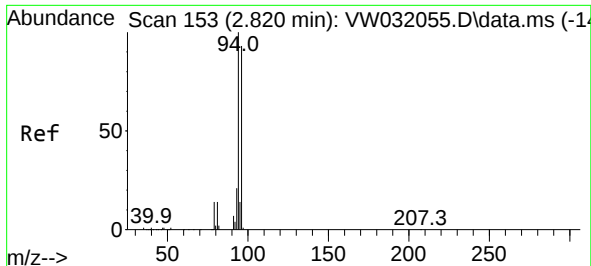
Tgt Ion: 50 Resp: 6062
Ion Ratio Lower Upper
50 100
52 35.1 26.6 39.8



#4
Vinyl Chloride
Concen: 3.032 ug/l
RT: 2.399 min Scan# 84
Delta R.T. -0.006 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

Tgt Ion: 62 Resp: 7567
Ion Ratio Lower Upper
62 100
64 29.8 27.8 41.6

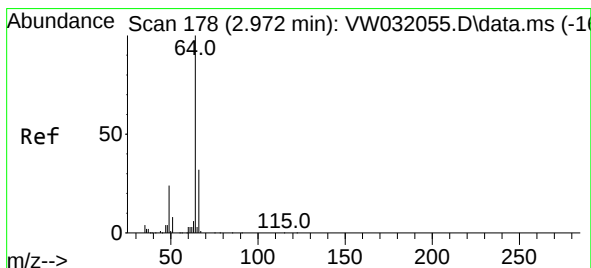
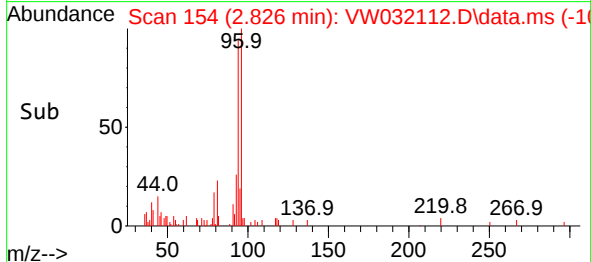
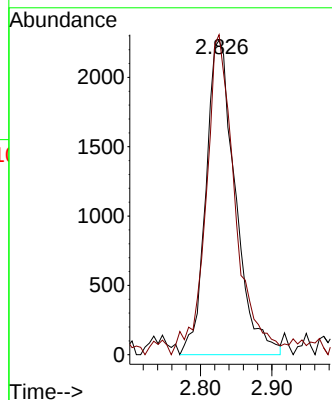
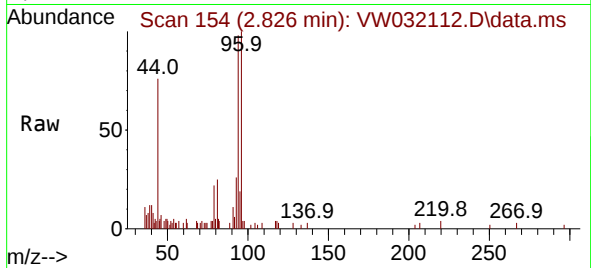




#5
Bromomethane
Concen: 3.457 ug/l
RT: 2.826 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

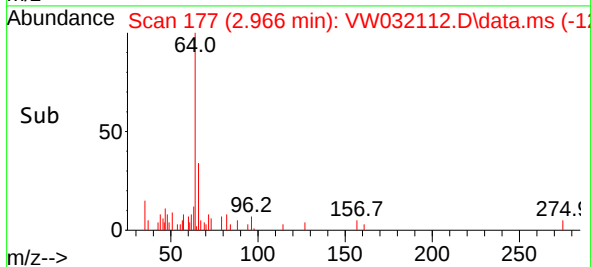
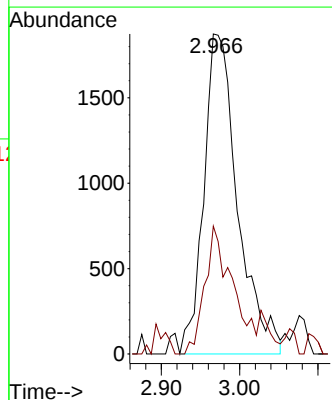
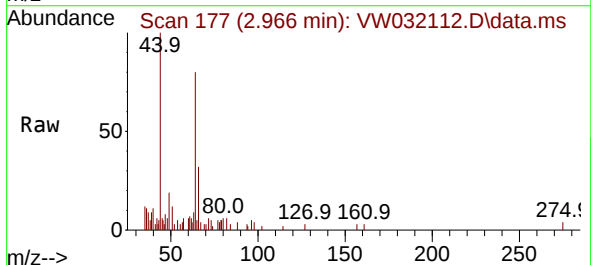
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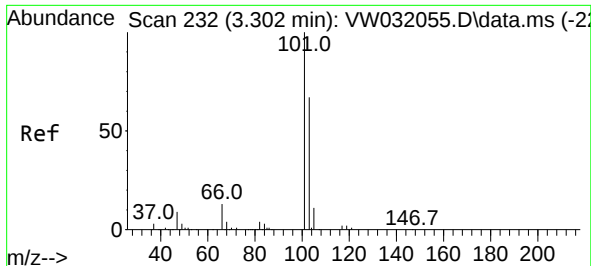
Tgt Ion: 94 Resp: 6473
Ion Ratio Lower Upper
94 100
96 99.0 74.7 112.1



#6
Chloroethane
Concen: 3.408 ug/l
RT: 2.966 min Scan# 177
Delta R.T. -0.006 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

Tgt Ion: 64 Resp: 5628
Ion Ratio Lower Upper
64 100
66 40.0 26.0 39.0#

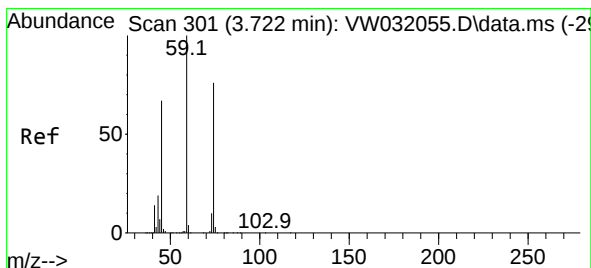
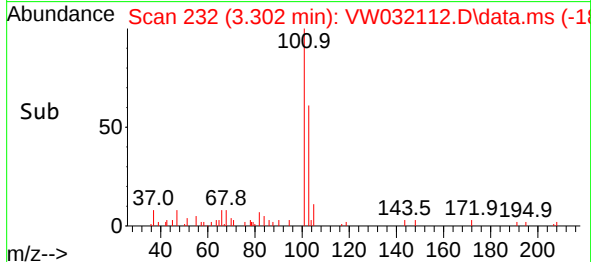
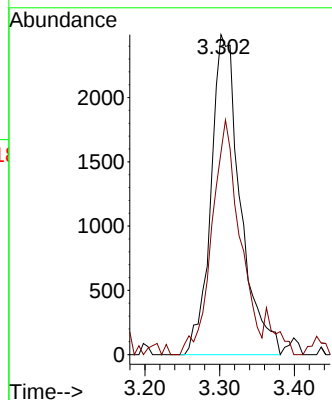
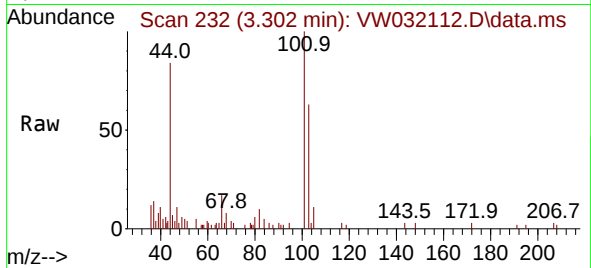




#7
 Trichlorofluoromethane
 Concen: 3.399 ug/l
 RT: 3.302 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VW032112.D
 Acq: 22 Aug 2025 15:45

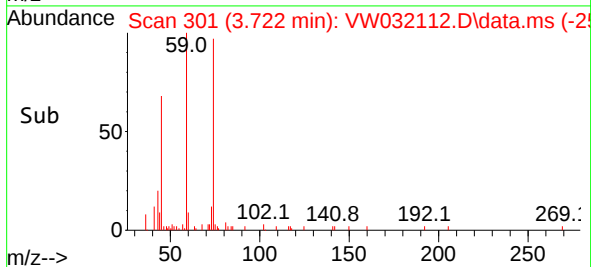
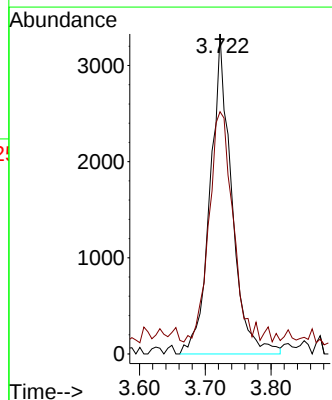
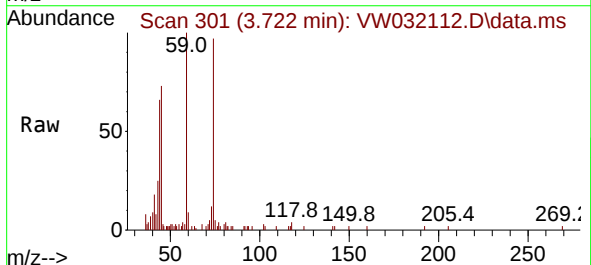
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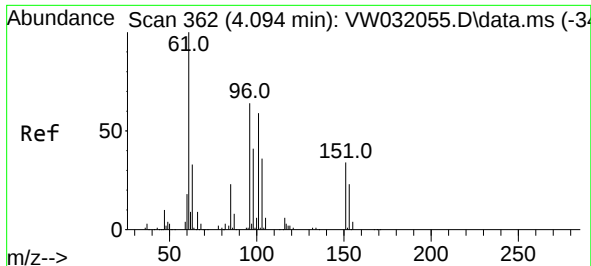
Tgt Ion:101 Resp: 6795
 Ion Ratio Lower Upper
 101 100
 103 63.3 53.4 80.0



#8
 Diethyl Ether
 Concen: 4.604 ug/l
 RT: 3.722 min Scan# 301
 Delta R.T. 0.000 min
 Lab File: VW032112.D
 Acq: 22 Aug 2025 15:45

Tgt Ion: 74 Resp: 7542
 Ion Ratio Lower Upper
 74 100
 45 80.3 45.4 136.2

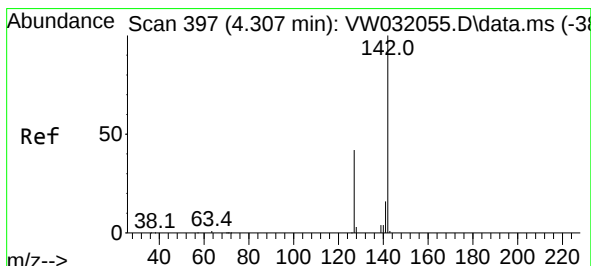
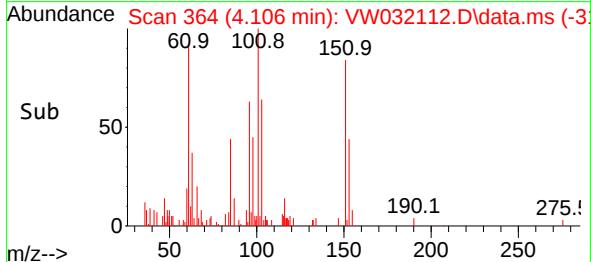
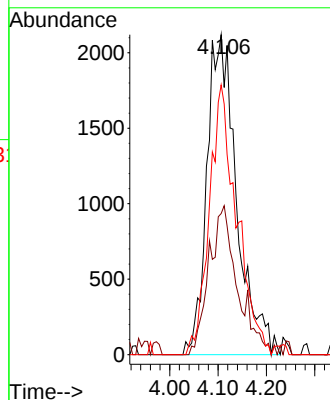
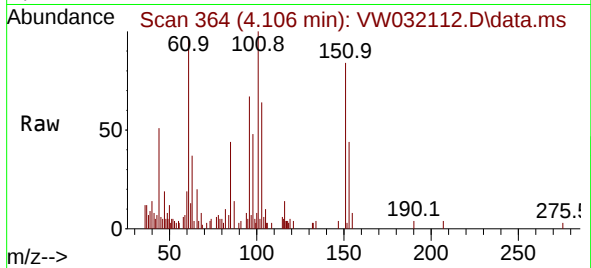




#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.851 ug/l
RT: 4.106 min Scan# 364
Delta R.T. 0.012 min
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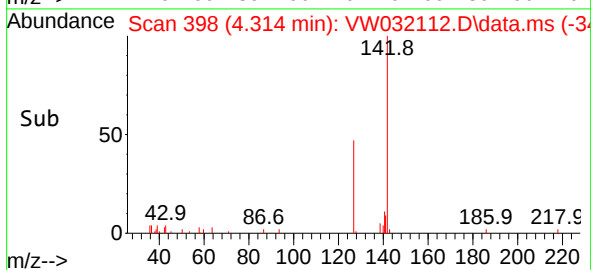
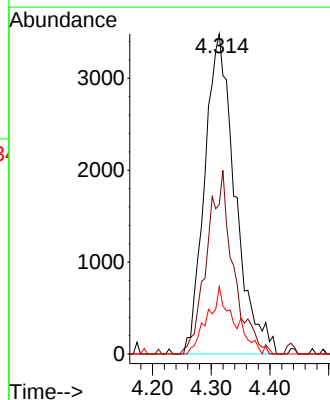
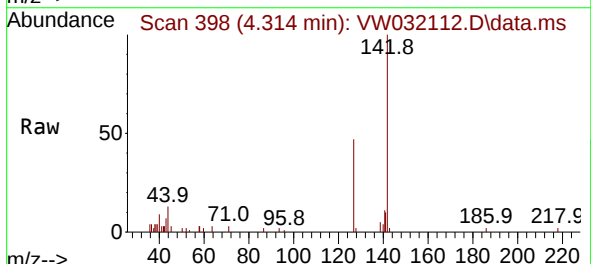
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

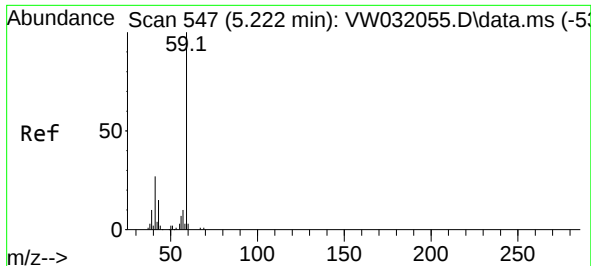
Tgt Ion:	101	Resp:	9083
Ion	Ratio	Lower	Upper
101	100		
85	44.2	34.9	52.3
151	77.4	56.2	84.4



#10
Methyl Iodide
Concen: 3.747 ug/l
RT: 4.314 min Scan# 398
Delta R.T. 0.006 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

Tgt Ion:	142	Resp:	12530
Ion	Ratio	Lower	Upper
142	100		
127	49.4	36.6	55.0
141	18.4	12.1	18.1#

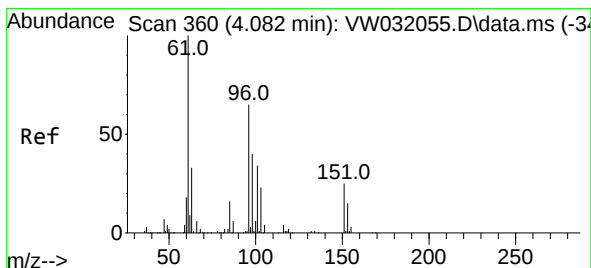
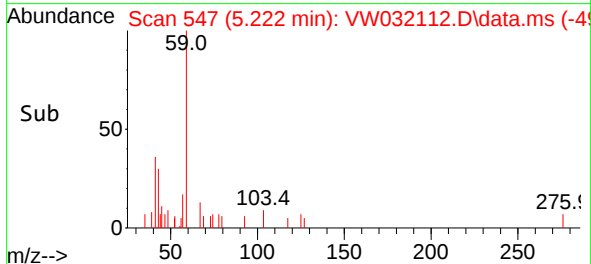
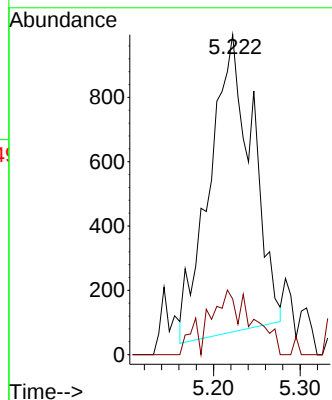
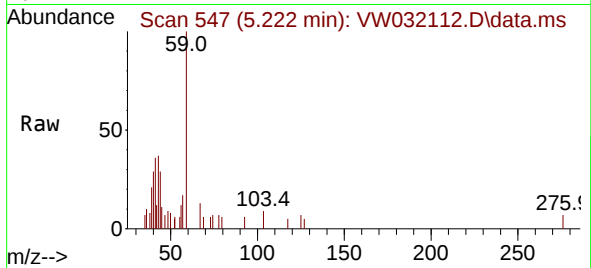




#11
Tert butyl alcohol
Concen: 15.935 ug/l
RT: 5.222 min Scan# 547
Delta R.T. 0.000 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

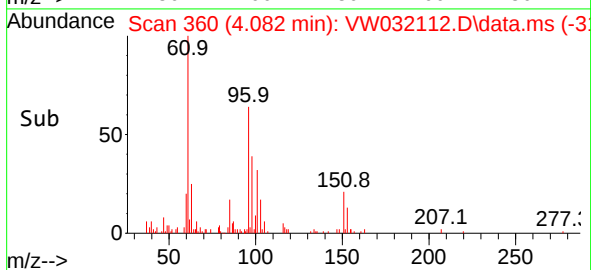
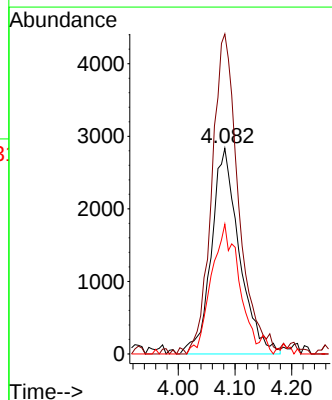
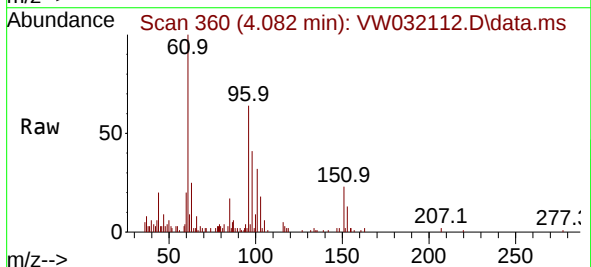
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

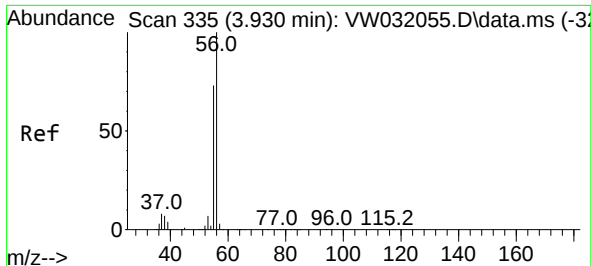
Tgt Ion: 59 Resp: 3196
Ion Ratio Lower Upper
59 100
57 11.6 8.7 13.1



#12
1,1-Dichloroethene
Concen: 3.720 ug/l
RT: 4.082 min Scan# 360
Delta R.T. 0.000 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

Tgt Ion: 96 Resp: 9662
Ion Ratio Lower Upper
96 100
61 152.6 123.4 185.2
98 63.1 49.5 74.3

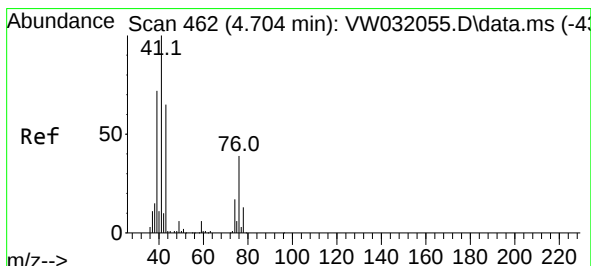
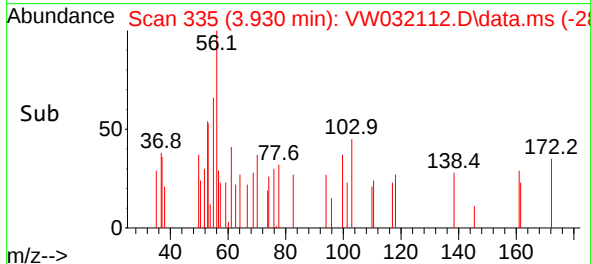
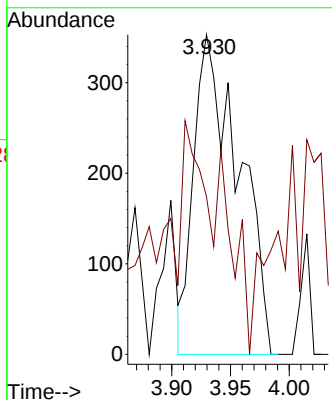
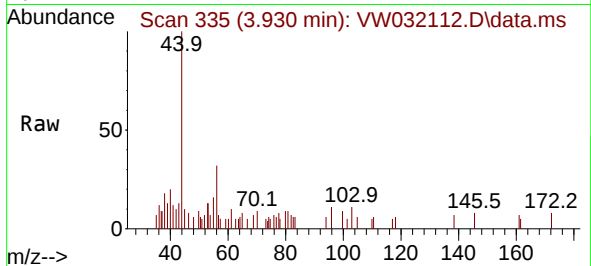




#13
Acrolein
Concen: 2.945 ug/l
RT: 3.930 min Scan# 311
Delta R.T. 0.000 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

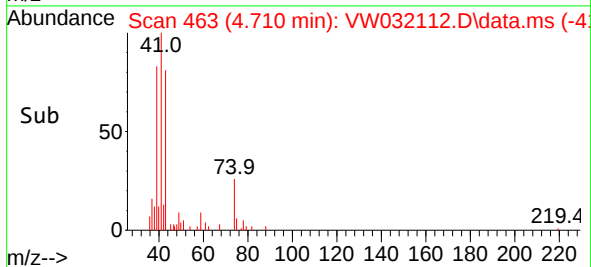
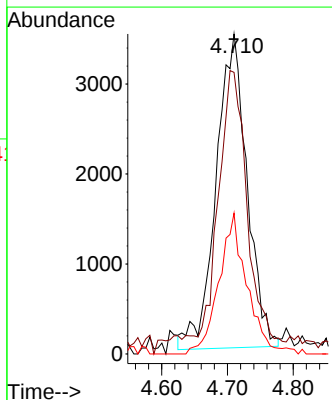
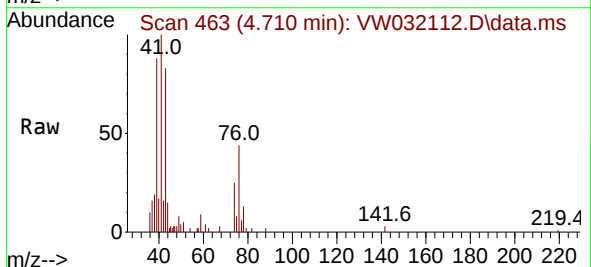
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

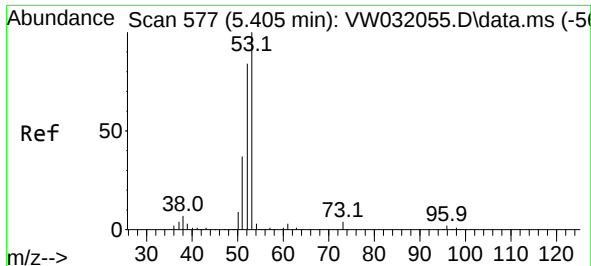
Tgt Ion: 56 Resp: 941
Ion Ratio Lower Upper
56 100
55 0.0 55.4 83.2#



#14
Allyl chloride
Concen: 3.020 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.006 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

Tgt Ion: 41 Resp: 11416
Ion Ratio Lower Upper
41 100
39 82.8 54.5 81.7#
76 41.0 29.3 43.9

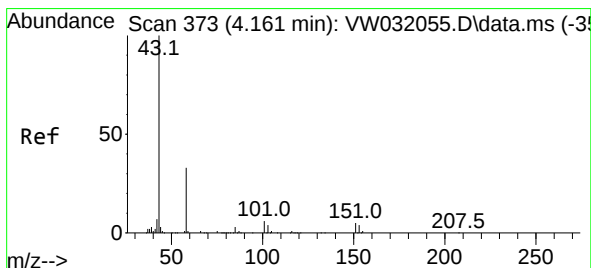
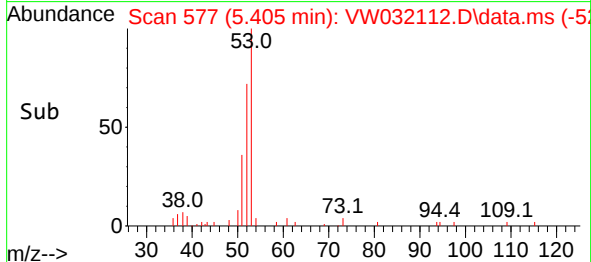
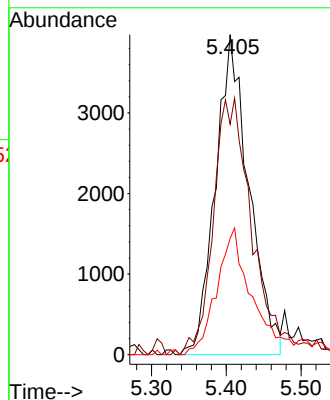
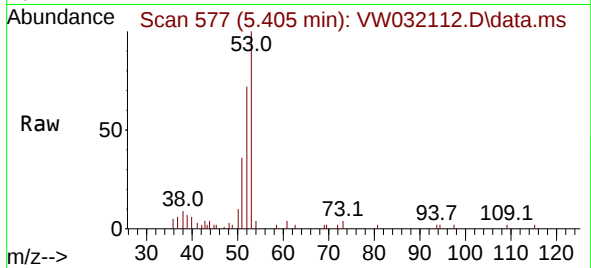




#15
Acrylonitrile
Concen: 15.904 ug/l
RT: 5.405 min Scan# 51
Delta R.T. 0.000 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

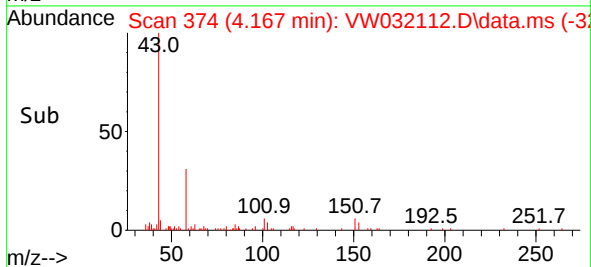
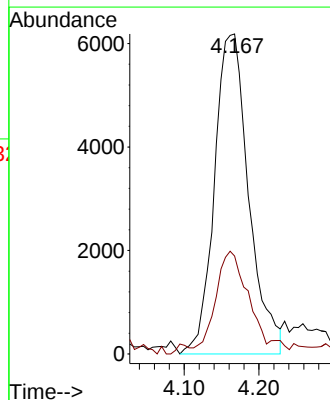
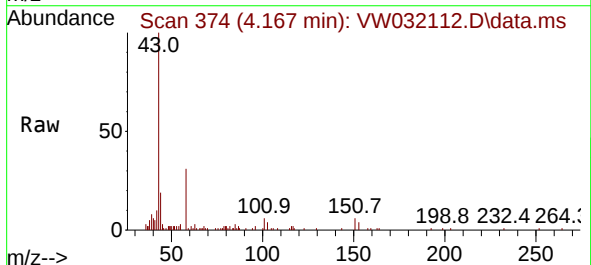
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

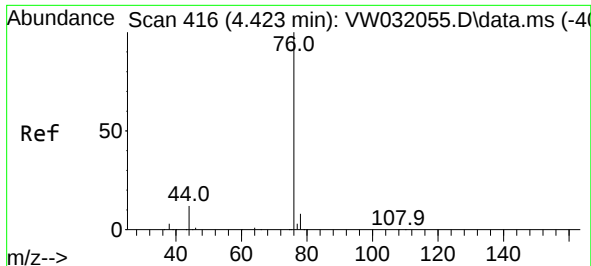
Tgt Ion: 53 Resp: 12408
Ion Ratio Lower Upper
53 100
52 93.7 66.1 99.1
51 41.3 29.2 43.8



#16
Acetone
Concen: 27.533 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

Tgt Ion: 43 Resp: 19744
Ion Ratio Lower Upper
43 100
58 27.5 26.6 39.8

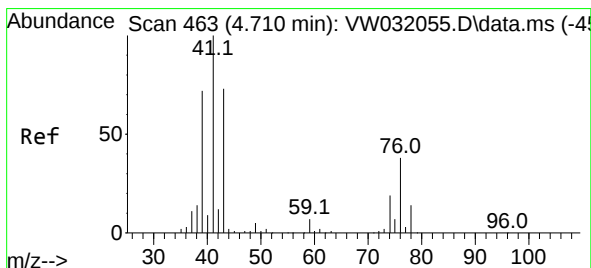
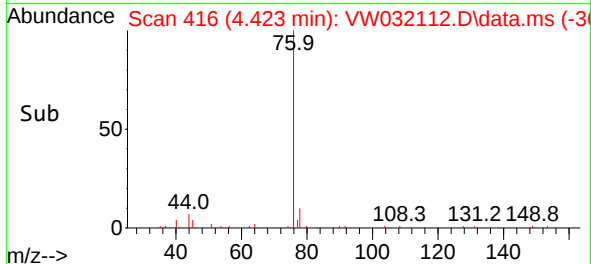
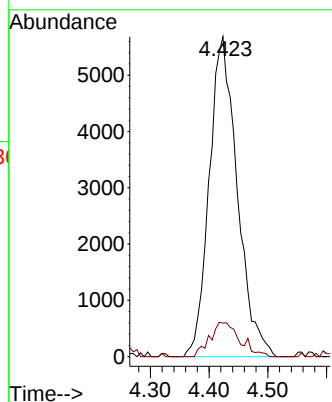
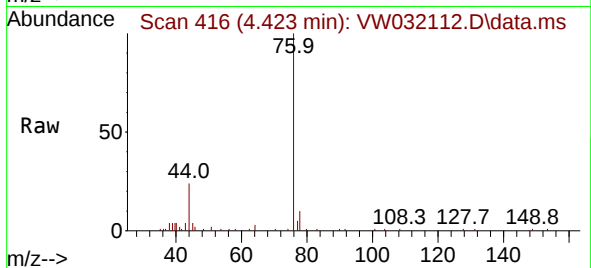




#17
Carbon Disulfide
Concen: 2.706 ug/l
RT: 4.423 min Scan# 416
Delta R.T. 0.000 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

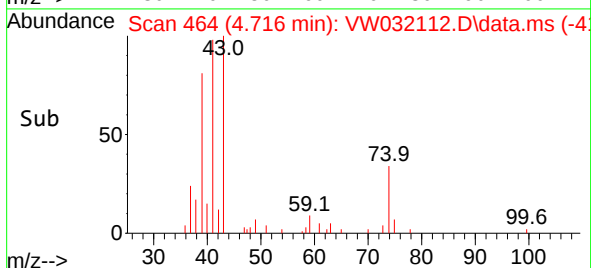
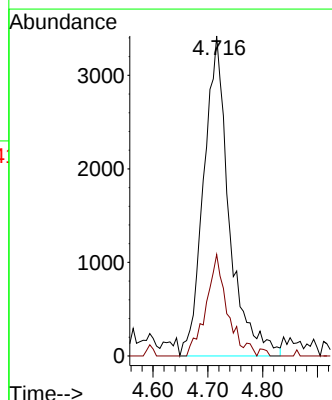
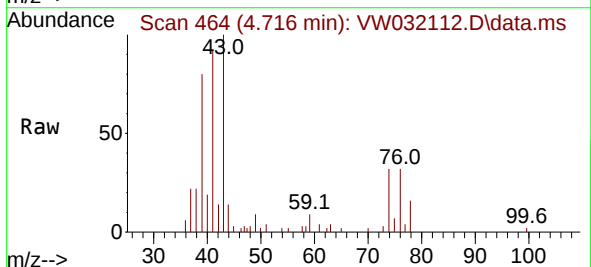
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

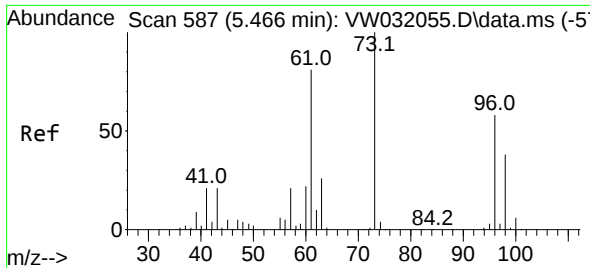
Tgt Ion: 76 Resp: 18861
Ion Ratio Lower Upper
76 100
78 10.5 6.4 9.6#



#18
Methyl Acetate
Concen: 4.850 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

Tgt Ion: 43 Resp: 11005
Ion Ratio Lower Upper
43 100
74 25.4 20.6 31.0

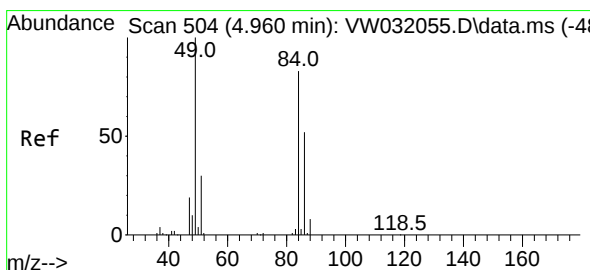
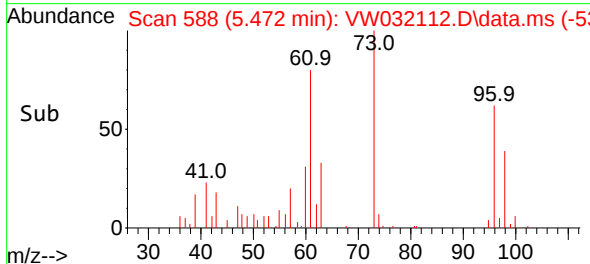
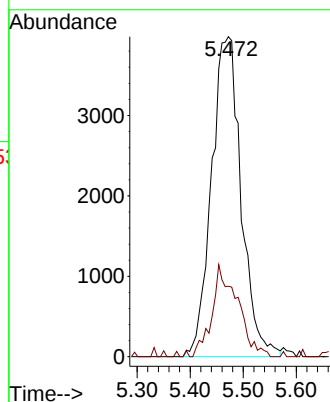
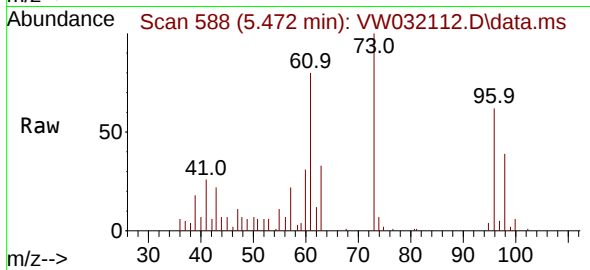




#19
Methyl tert-butyl Ether
Concen: 3.377 ug/l
RT: 5.472 min Scan# 51
Delta R.T. 0.006 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

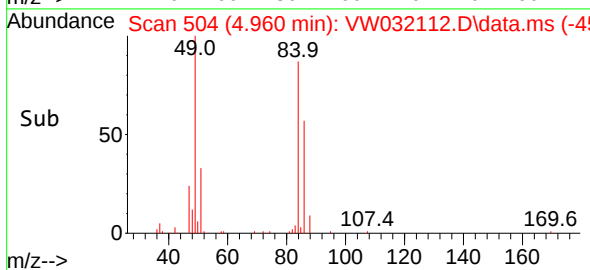
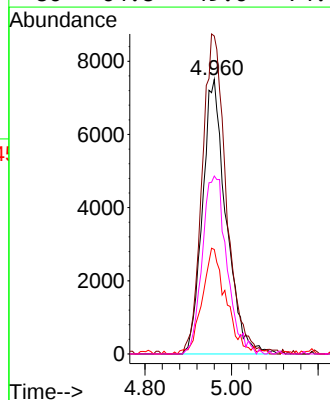
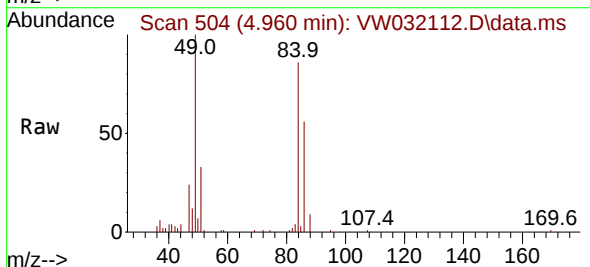
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

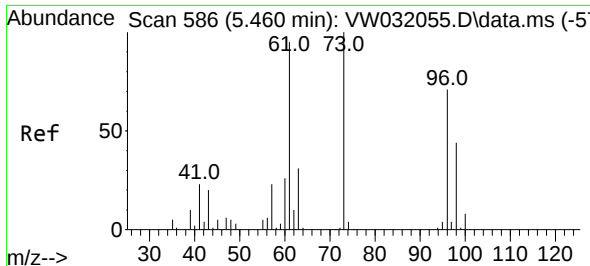
Tgt Ion: 73 Resp: 15455
Ion Ratio Lower Upper
73 100
57 22.0 17.2 25.8



#20
Methylene Chloride
Concen: 8.579 ug/l
RT: 4.960 min Scan# 504
Delta R.T. 0.000 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

Tgt Ion: 84 Resp: 28444
Ion Ratio Lower Upper
84 100
49 115.8 95.9 143.9
51 38.1 28.6 43.0
86 64.8 49.6 74.4

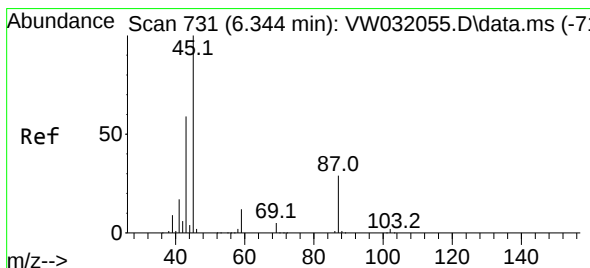
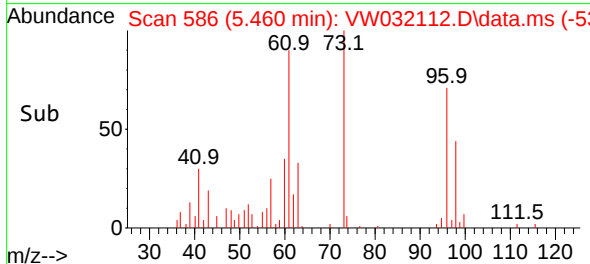
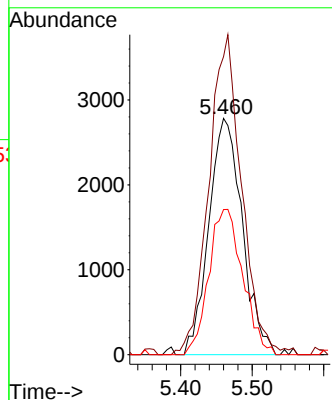
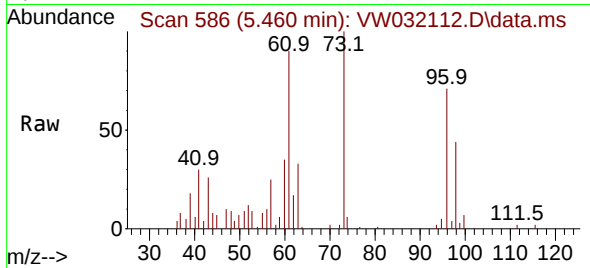




#21
trans-1,2-Dichloroethene
Concen: 3.280 ug/l
RT: 5.460 min Scan# 586
Delta R.T. 0.000 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

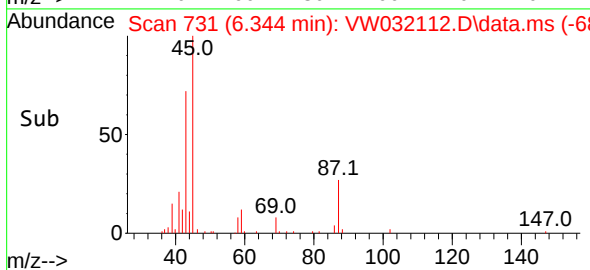
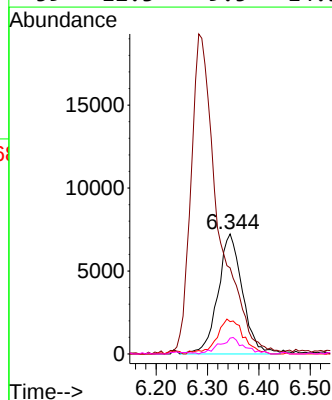
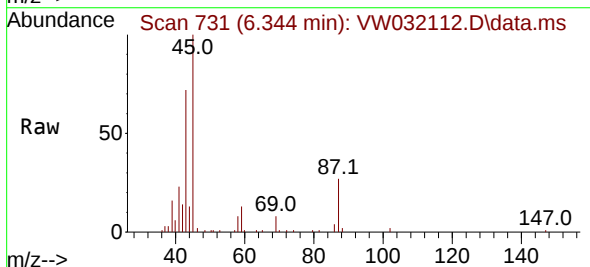
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

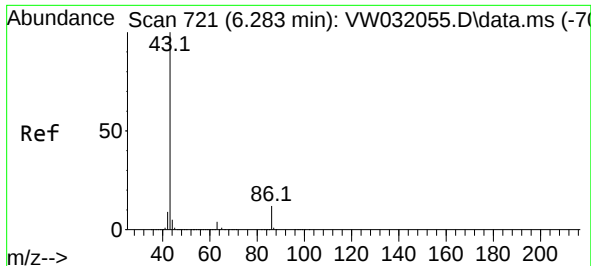
Tgt Ion: 96 Resp: 9040
Ion Ratio Lower Upper
96 100
61 124.3 106.8 160.2
98 61.4 49.6 74.4



#22
Diisopropyl ether
Concen: 3.003 ug/l
RT: 6.344 min Scan# 731
Delta R.T. 0.000 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

Tgt Ion: 45 Resp: 23929
Ion Ratio Lower Upper
45 100
43 69.5 47.0 70.4
87 26.9 23.8 35.8
59 12.3 9.5 14.3

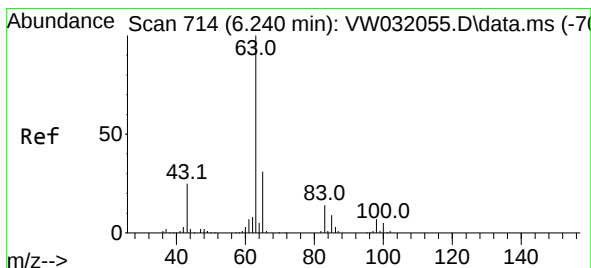
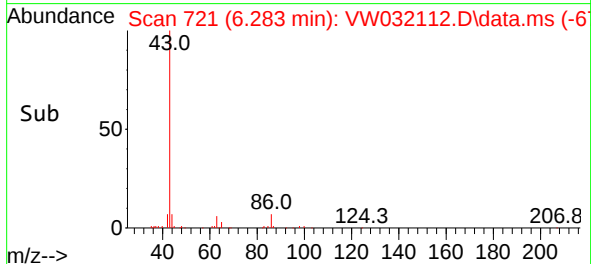
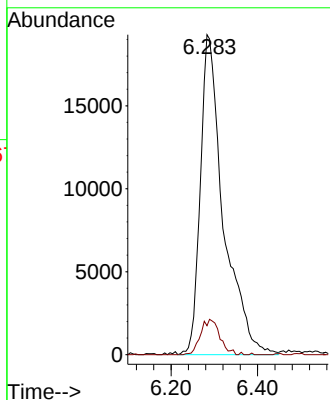
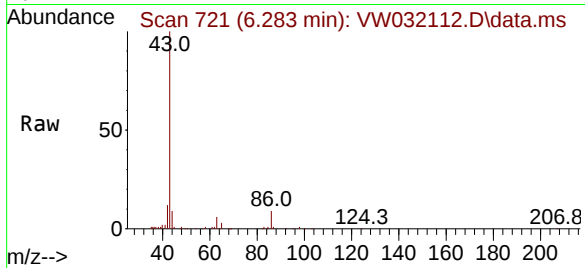




#23
 Vinyl Acetate
 Concen: 13.625 ug/l
 RT: 6.283 min Scan# 712
 Delta R.T. 0.000 min
 Lab File: VW032112.D
 Acq: 22 Aug 2025 15:45

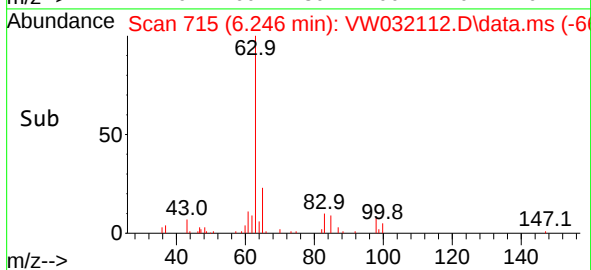
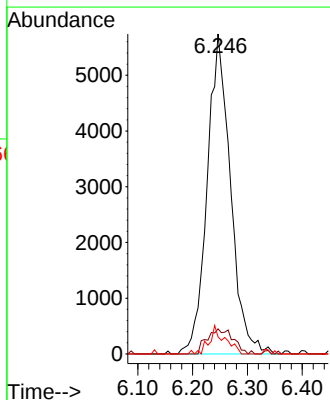
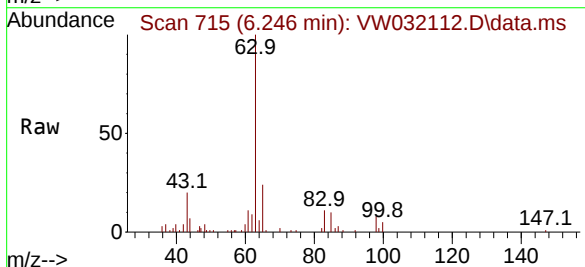
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

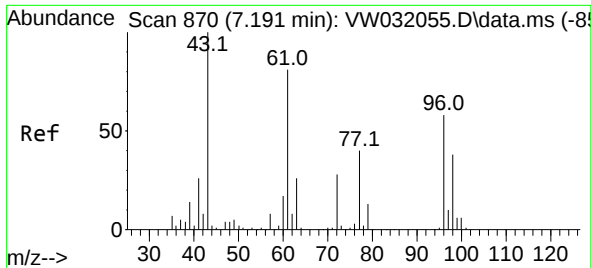
Tgt Ion: 43 Resp: 71285
 Ion Ratio Lower Upper
 43 100
 86 9.0 9.4 14.0#



#24
 1,1-Dichloroethane
 Concen: 3.331 ug/l
 RT: 6.246 min Scan# 715
 Delta R.T. 0.006 min
 Lab File: VW032112.D
 Acq: 22 Aug 2025 15:45

Tgt Ion: 63 Resp: 16957
 Ion Ratio Lower Upper
 63 100
 98 7.8 3.7 11.1
 100 5.4 2.5 7.4

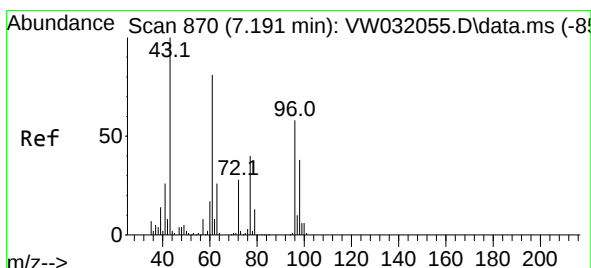
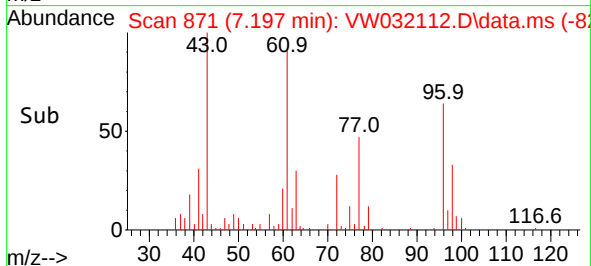
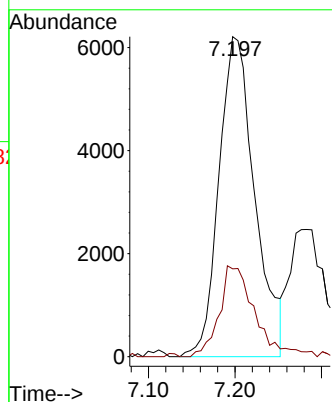
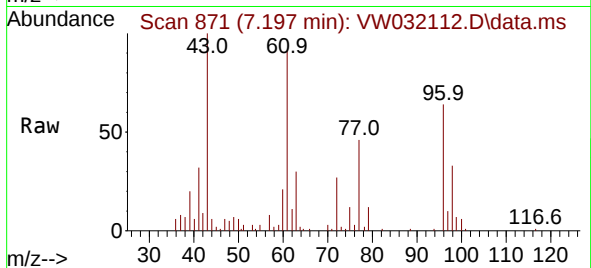




#25
2-Butanone
Concen: 17.532 ug/l
RT: 7.197 min Scan# 81
Delta R.T. 0.006 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

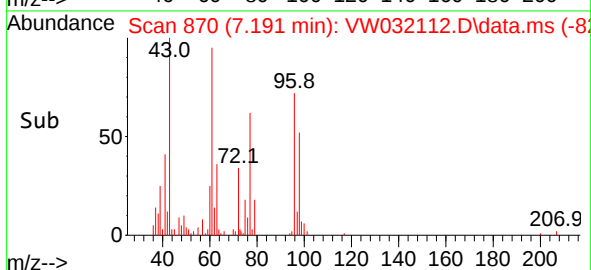
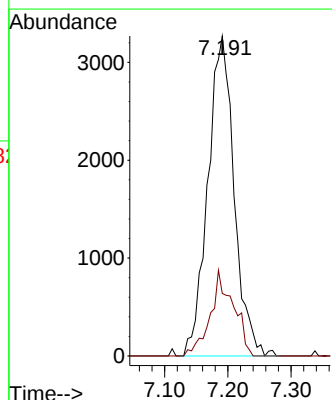
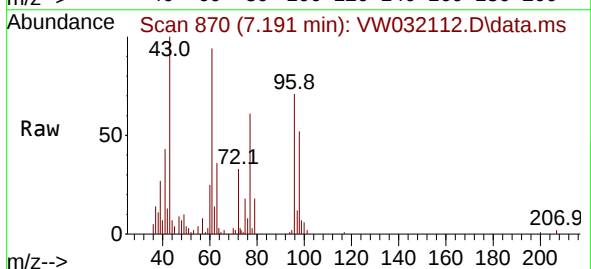
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

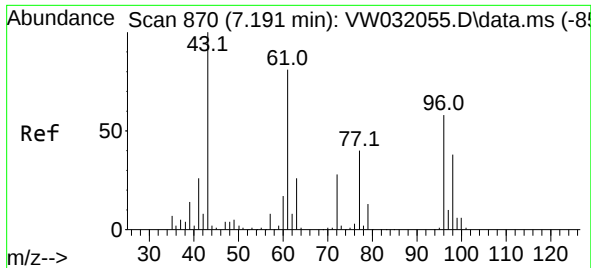
Tgt Ion: 43 Resp: 17868
Ion Ratio Lower Upper
43 100
72 27.5 22.3 33.5



#26
2,2-Dichloropropane
Concen: 3.700 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.000 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

Tgt Ion: 77 Resp: 9451
Ion Ratio Lower Upper
77 100
97 23.6 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 3.390 ug/l

RT: 7.197 min Scan# 871

Delta R.T. 0.006 min

Lab File: VW032112.D

Acq: 22 Aug 2025 15:45

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

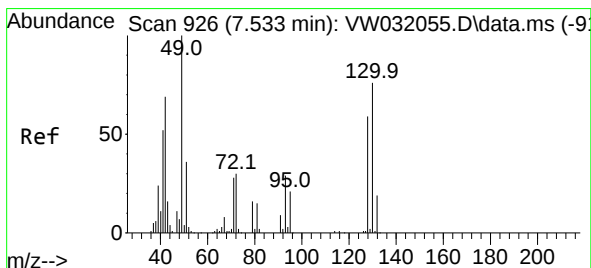
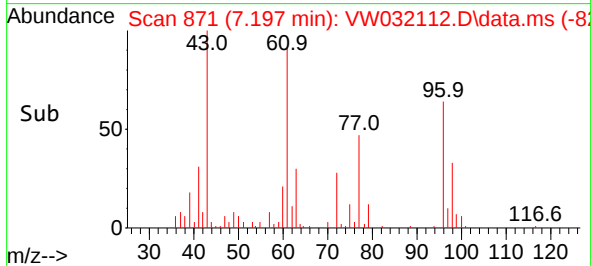
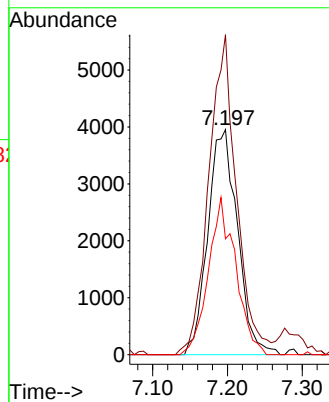
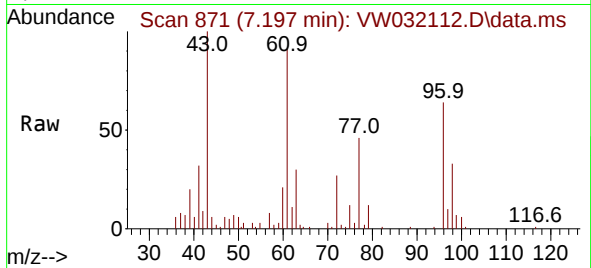
Tgt Ion: 96 Resp: 10921

Ion Ratio Lower Upper

96 100

61 132.5 0.0 281.2

98 64.2 0.0 130.8



#28

Bromochloromethane

Concen: 3.888 ug/l

RT: 7.533 min Scan# 926

Delta R.T. 0.000 min

Lab File: VW032112.D

Acq: 22 Aug 2025 15:45

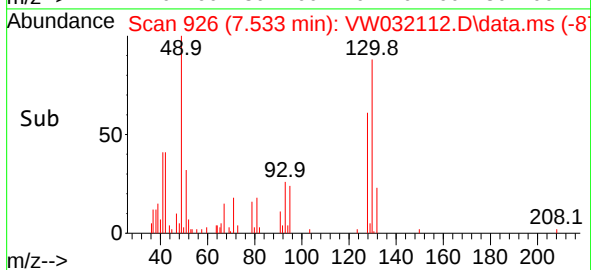
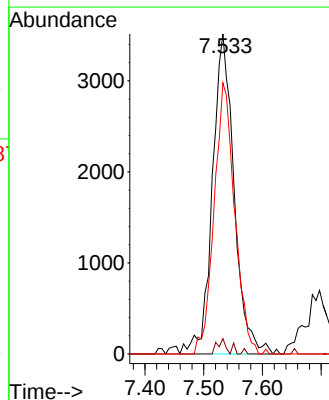
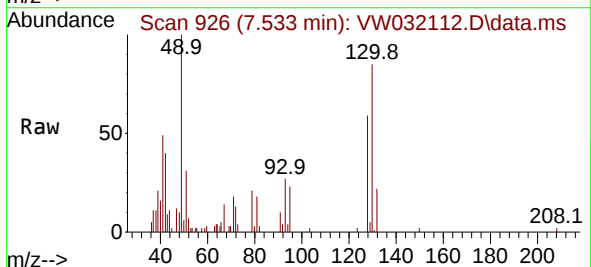
Tgt Ion: 49 Resp: 9007

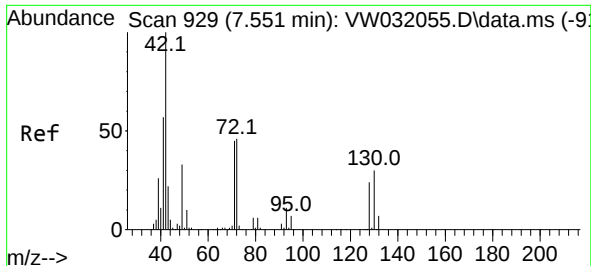
Ion Ratio Lower Upper

49 100

129 1.8 0.0 4.2

130 80.6 61.9 92.9

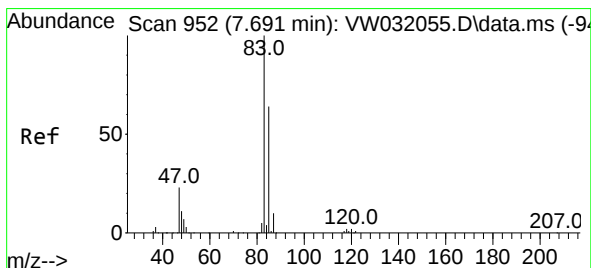
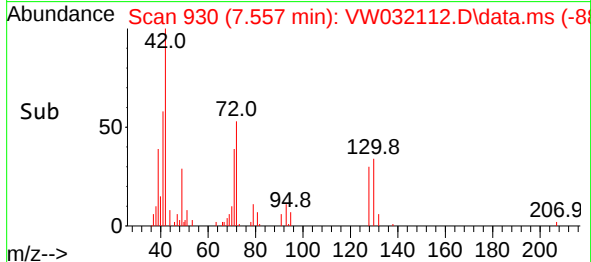
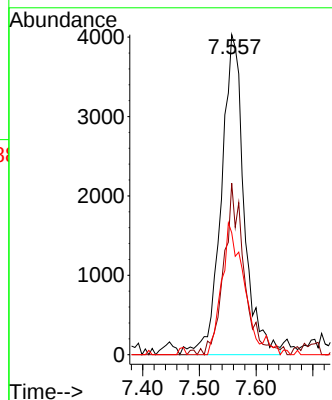
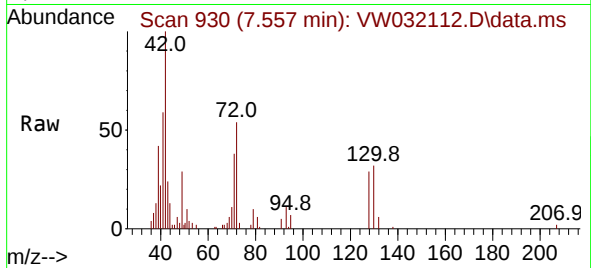




#29
Tetrahydrofuran
Concen: 16.770 ug/l
RT: 7.557 min Scan# 911
Delta R.T. 0.006 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

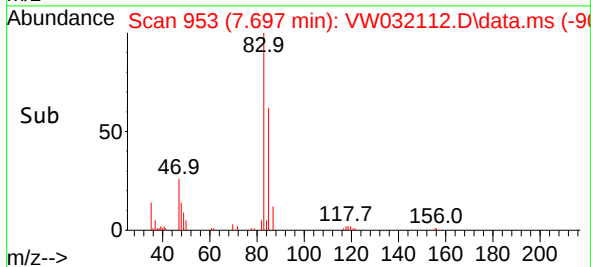
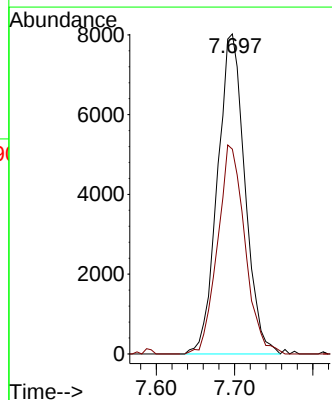
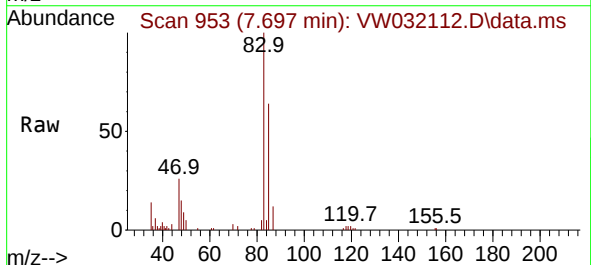
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

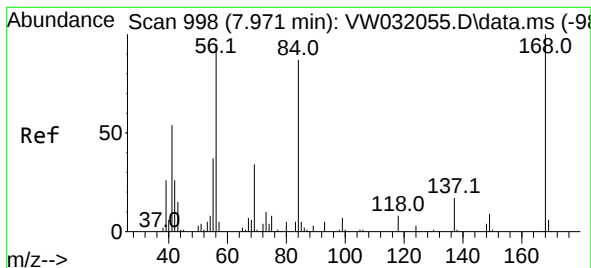
Tgt Ion: 42 Resp: 11272
Ion Ratio Lower Upper
42 100
72 47.9 36.6 55.0
71 38.9 34.7 52.1



#30
Chloroform
Concen: 3.618 ug/l
RT: 7.697 min Scan# 953
Delta R.T. 0.006 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

Tgt Ion: 83 Resp: 19531
Ion Ratio Lower Upper
83 100
85 64.0 51.0 76.4





#31

Cyclohexane

Concen: 3.943 ug/l

RT: 7.972 min Scan# 998

Delta R.T. 0.000 min

Lab File: VW032112.D

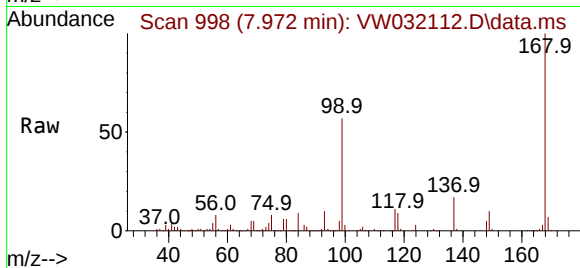
Acq: 22 Aug 2025 15:45

Instrument :

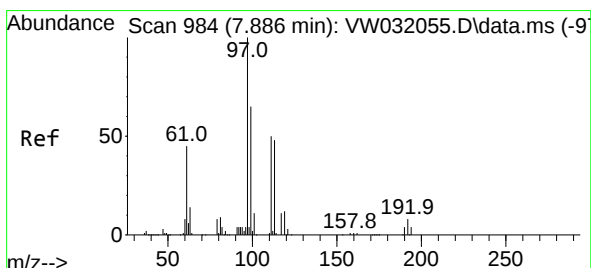
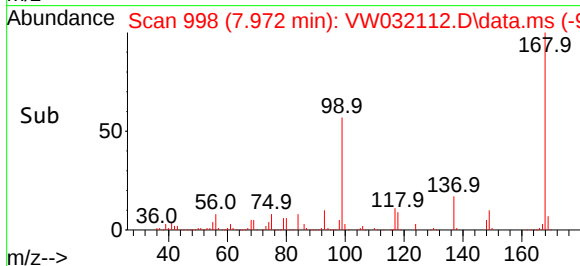
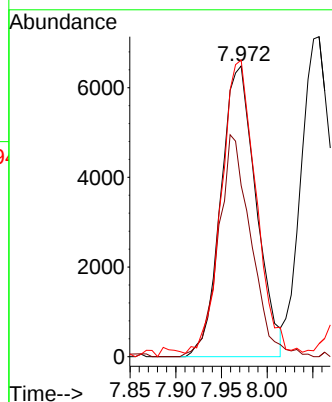
MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025



Tgt Ion: 56	Resp: 17402
Ion Ratio	Lower Upper
56	100
69	58.9 28.6 42.8#
84	100.3 73.0 109.4



#32

1,1,1-Trichloroethane

Concen: 3.731 ug/l

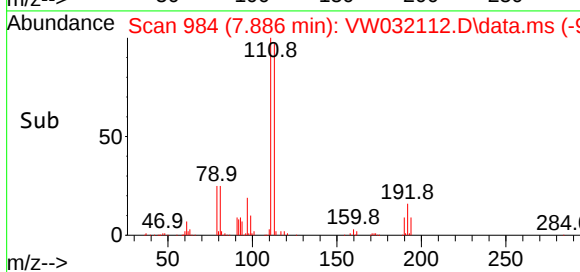
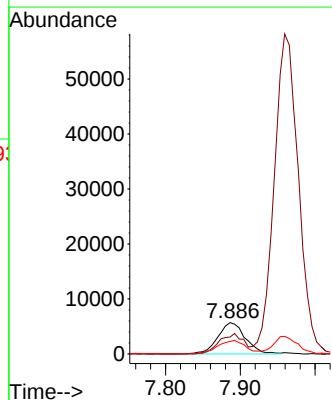
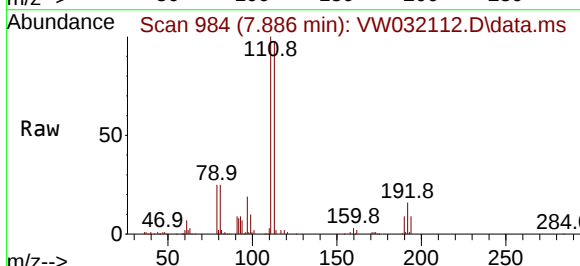
RT: 7.886 min Scan# 984

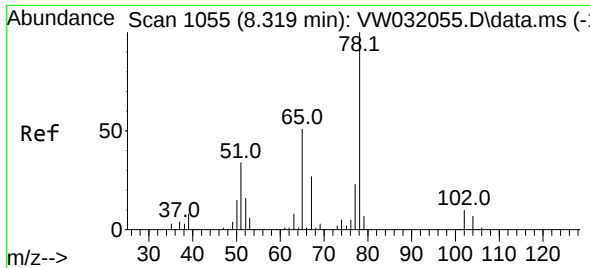
Delta R.T. 0.000 min

Lab File: VW032112.D

Acq: 22 Aug 2025 15:45

Tgt Ion: 97	Resp: 14629
Ion Ratio	Lower Upper
97	100
99	56.7 51.8 77.8
61	44.5 35.9 53.9

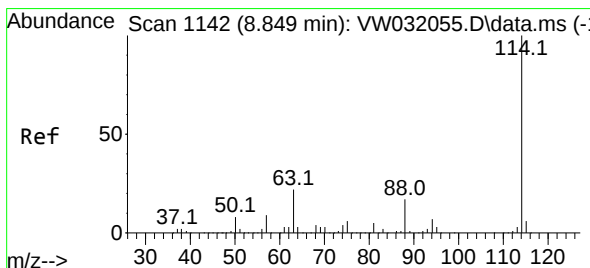
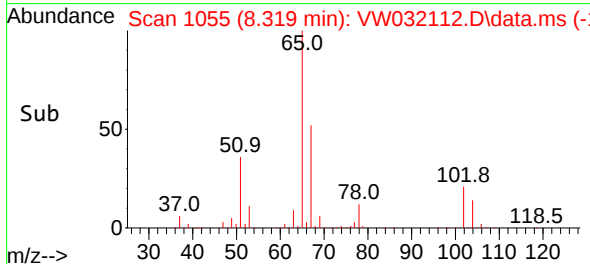
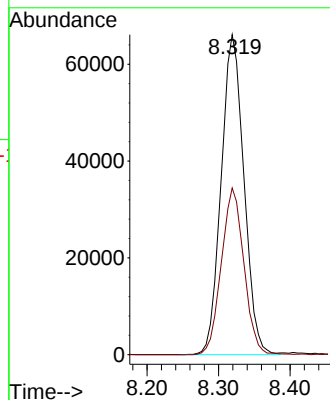
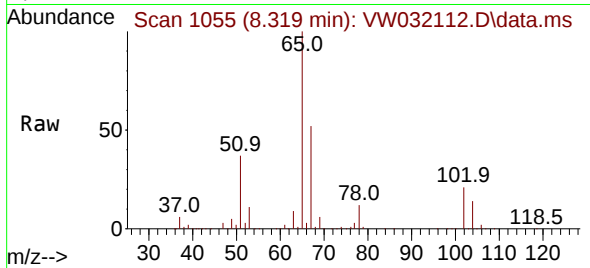




#33
 1,2-Dichloroethane-d4
 Concen: 47.166 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032112.D
 Acq: 22 Aug 2025 15:45

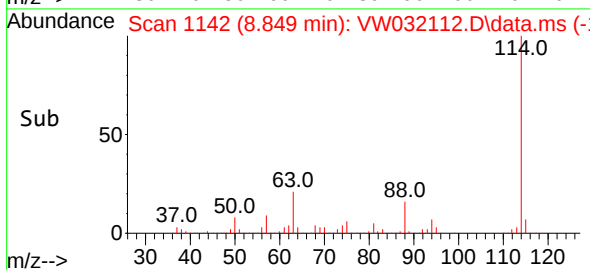
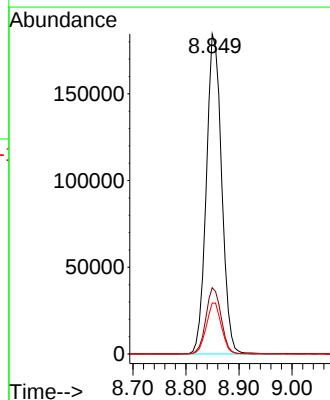
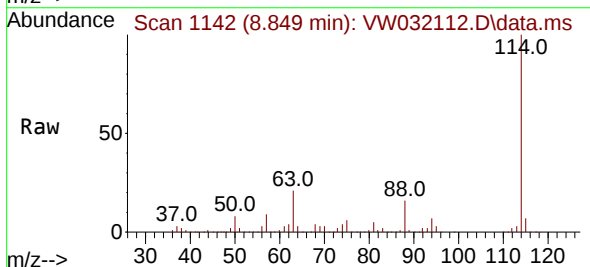
Instrument : MSVOA_W
 ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

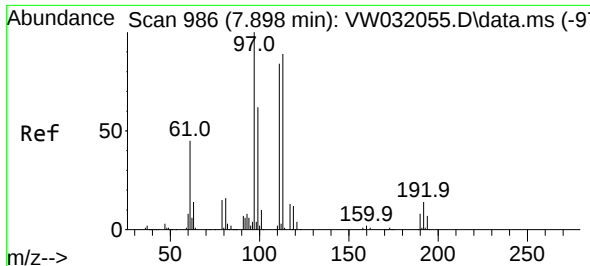
Tgt Ion: 65 Resp: 146086
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW032112.D
 Acq: 22 Aug 2025 15:45

Tgt Ion: 114 Resp: 370337
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 43.0
 88 15.9 0.0 33.8

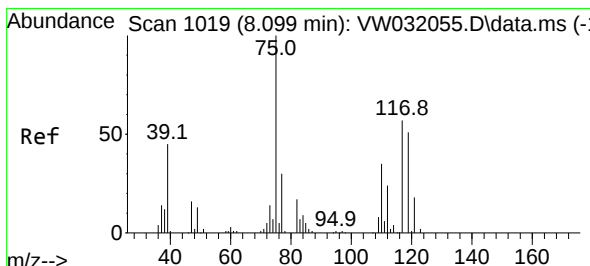
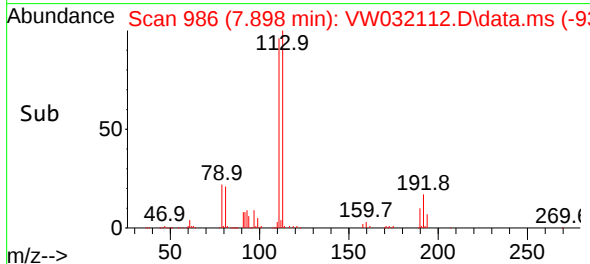
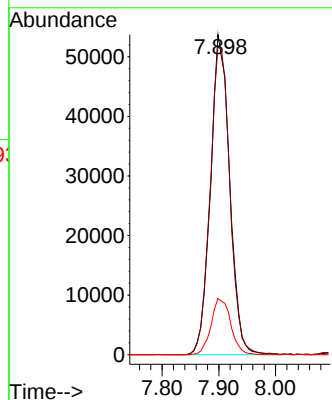
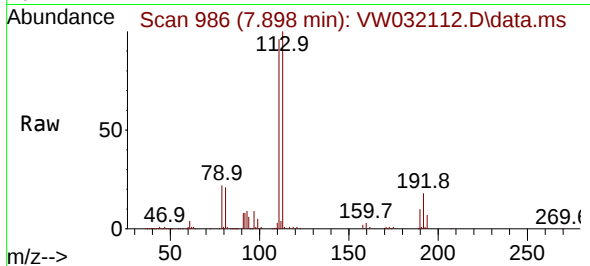




#35
Dibromofluoromethane
Concen: 52.649 ug/l
RT: 7.898 min Scan# 986
Delta R.T. 0.000 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

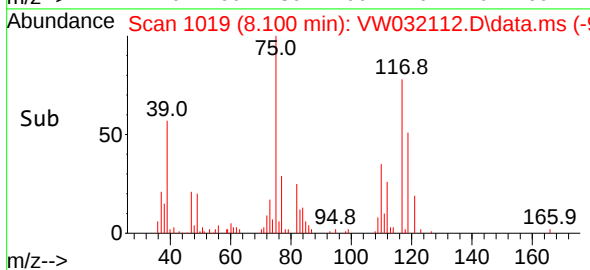
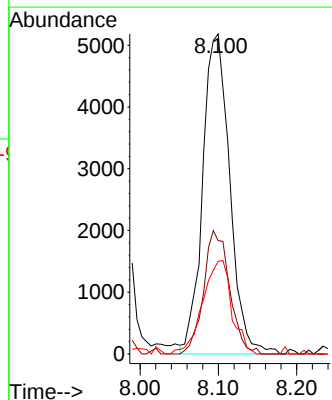
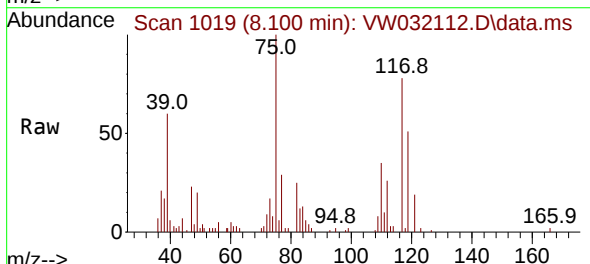
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

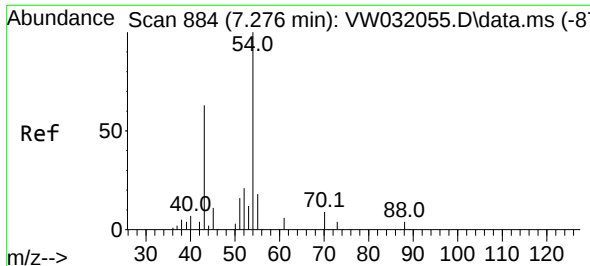
Tgt Ion:113 Resp: 125963
Ion Ratio Lower Upper
113 100
111 99.7 80.1 120.1
192 18.0 13.1 19.7



#36
1,1-Dichloropropene
Concen: 3.695 ug/l
RT: 8.100 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

Tgt Ion: 75 Resp: 12464
Ion Ratio Lower Upper
75 100
110 36.9 17.4 52.2
77 31.2 24.7 37.1





#37

Ethyl Acetate

Concen: 3.402 ug/l

RT: 7.283 min Scan# 81

Delta R.T. 0.006 min

Lab File: VW032112.D

Acq: 22 Aug 2025 15:45

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

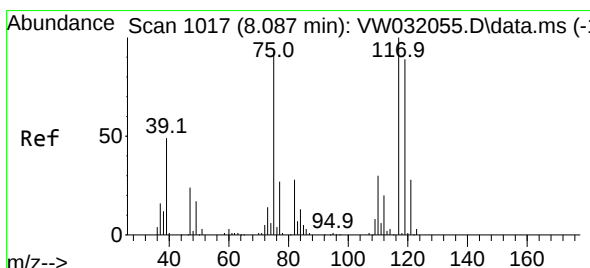
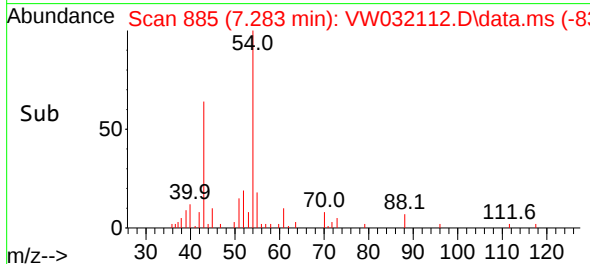
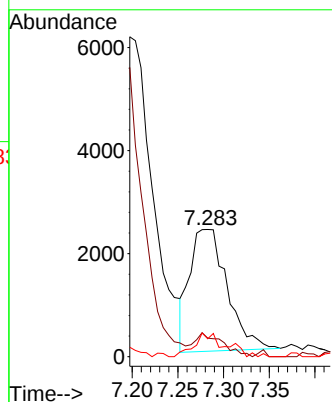
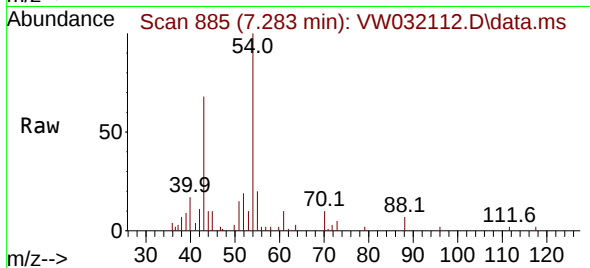
Tgt Ion: 43 Resp: 6758

Ion Ratio Lower Upper

43 100

61 14.9 11.8 17.6

70 13.1 9.4 14.0



#38

Carbon Tetrachloride

Concen: 4.127 ug/l

RT: 8.081 min Scan# 1016

Delta R.T. -0.006 min

Lab File: VW032112.D

Acq: 22 Aug 2025 15:45

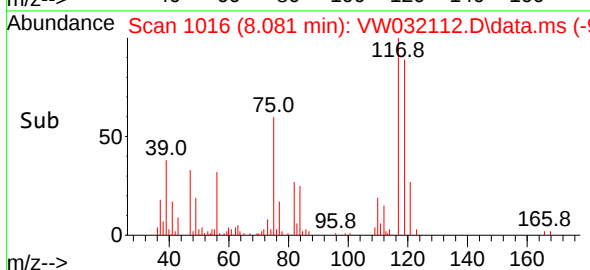
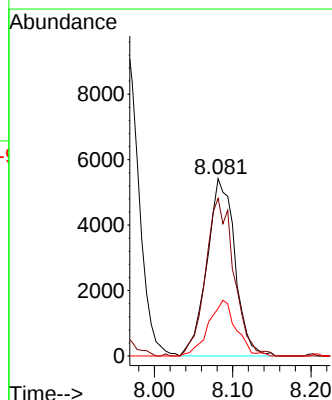
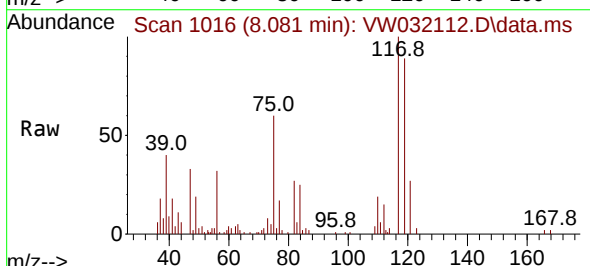
Tgt Ion: 117 Resp: 13434

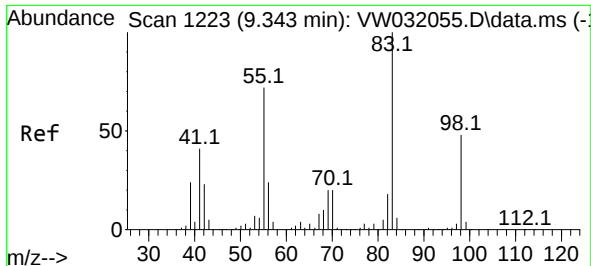
Ion Ratio Lower Upper

117 100

119 88.9 71.4 107.2

121 26.8 22.3 33.5





#39

Methylcyclohexane

Concen: 3.303 ug/l

RT: 9.343 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW032112.D

Acq: 22 Aug 2025 15:45

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

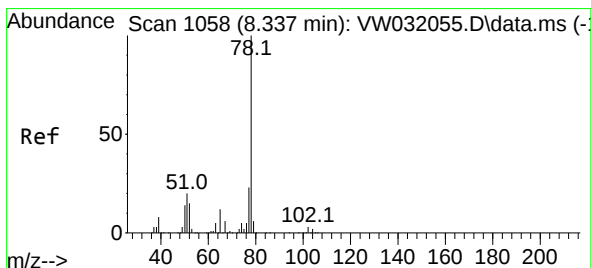
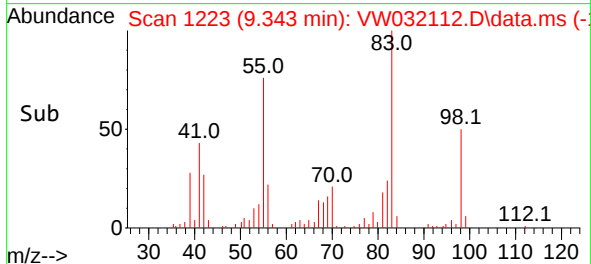
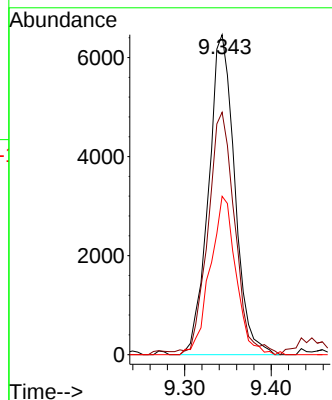
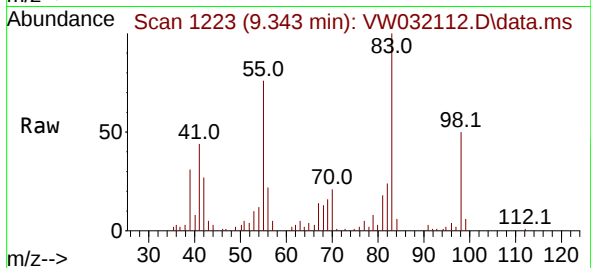
Tgt Ion: 83 Resp: 13579

Ion Ratio Lower Upper

83 100

55 75.7 57.9 86.9

98 49.5 38.3 57.5



#40

Benzene

Concen: 3.698 ug/l

RT: 8.337 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VW032112.D

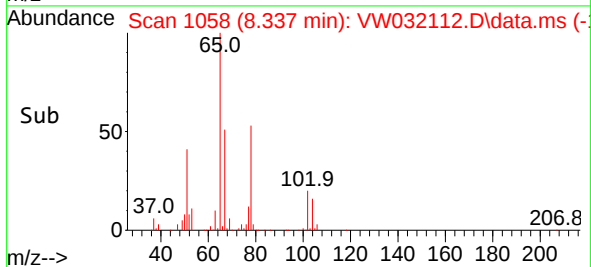
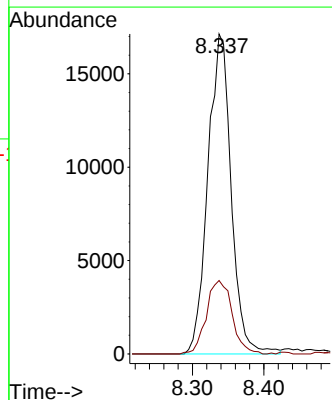
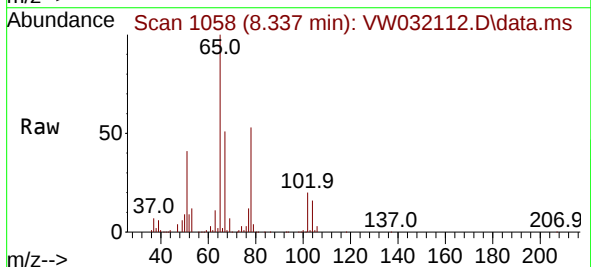
Acq: 22 Aug 2025 15:45

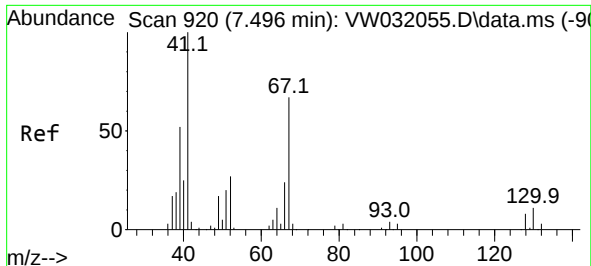
Tgt Ion: 78 Resp: 38774

Ion Ratio Lower Upper

78 100

77 22.9 18.4 27.6

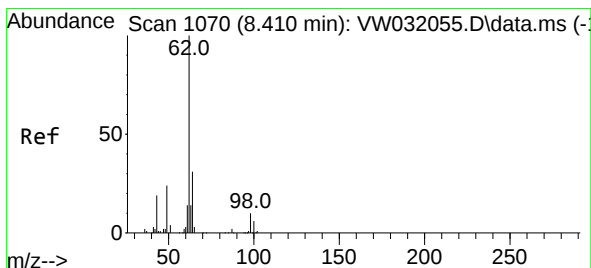
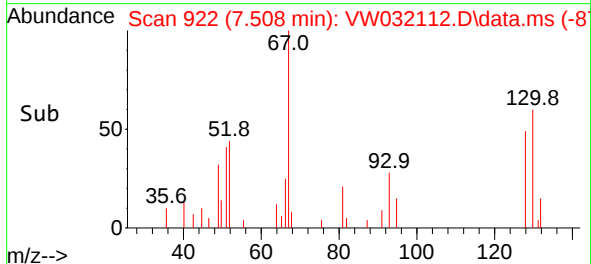
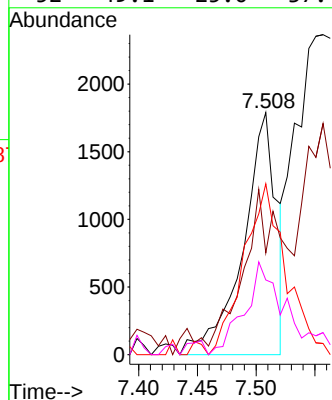
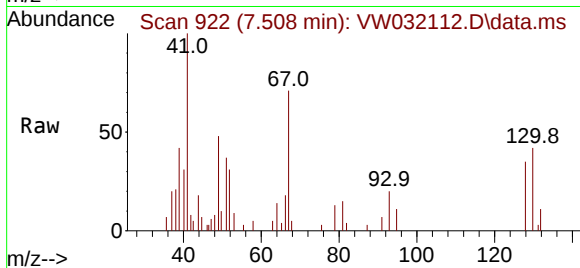




#41
Methacrylonitrile
Concen: 3.142 ug/l
RT: 7.508 min Scan# 912
Delta R.T. 0.012 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

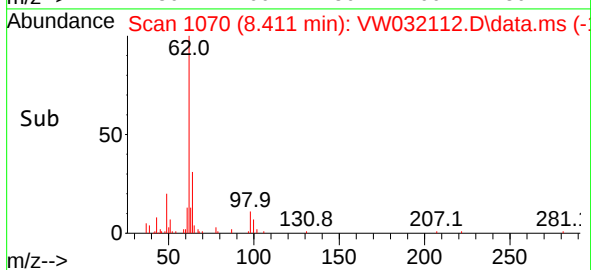
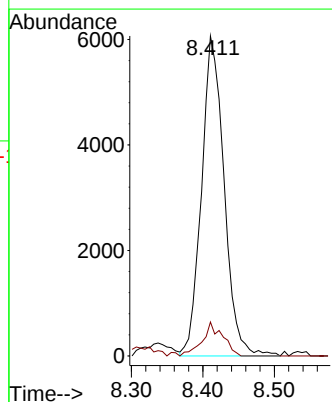
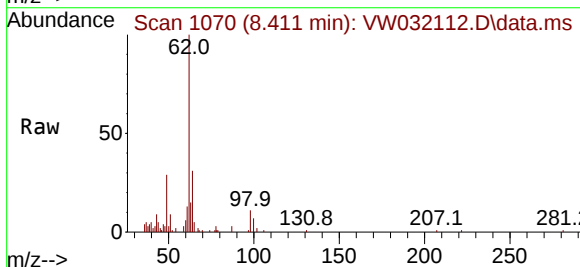
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

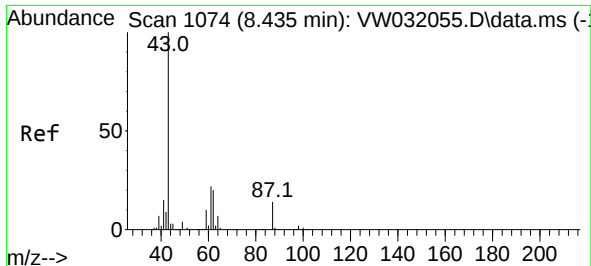
Tgt Ion:	41	Resp:	3539
Ion	Ratio	Lower	Upper
41	100		
39	79.9	42.6	63.8#
67	88.7	61.0	91.4
52	49.1	25.0	37.4#



#42
1,2-Dichloroethane
Concen: 3.971 ug/l
RT: 8.411 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

Tgt Ion:	62	Resp:	13322
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.8





#43

Isopropyl Acetate

Concen: 3.658 ug/l

RT: 8.441 min Scan# 1075

Delta R.T. 0.006 min

Lab File: VW032112.D

Acq: 22 Aug 2025 15:45

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

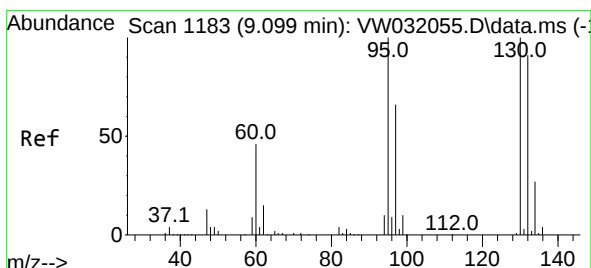
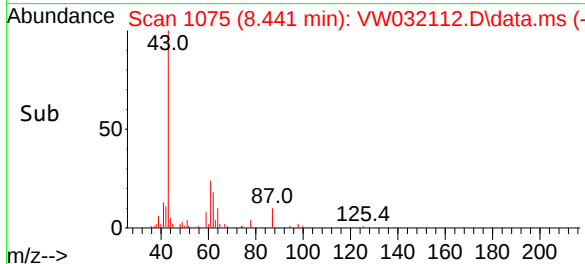
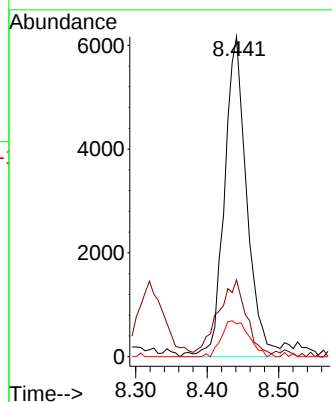
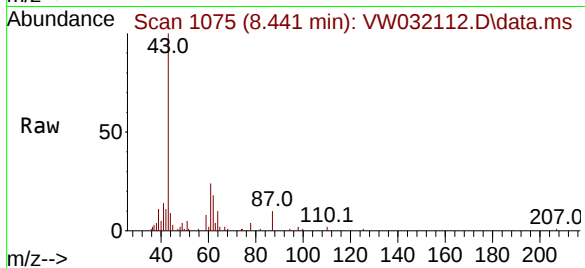
Tgt Ion: 43 Resp: 13368

Ion Ratio Lower Upper

43 100

61 30.9 23.8 35.8

87 13.8 11.7 17.5



#44

Trichloroethene

Concen: 4.067 ug/l

RT: 9.099 min Scan# 1183

Delta R.T. 0.000 min

Lab File: VW032112.D

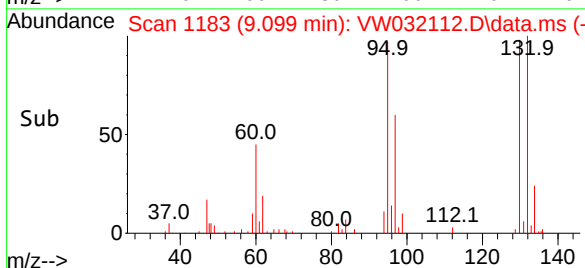
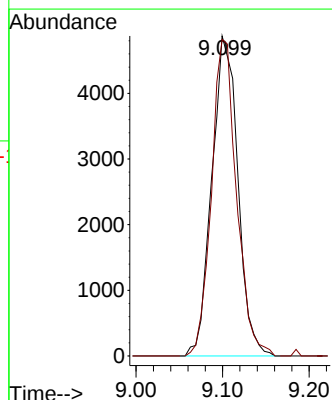
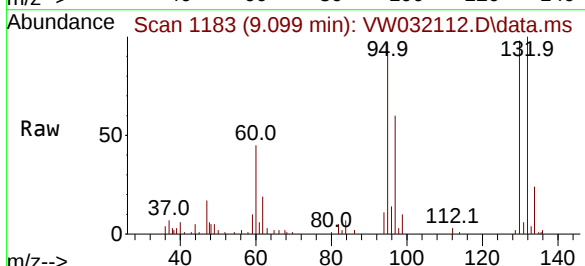
Acq: 22 Aug 2025 15:45

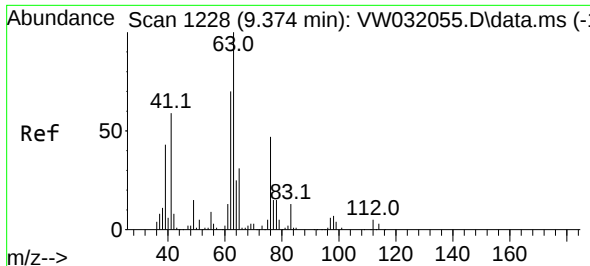
Tgt Ion:130 Resp: 10153

Ion Ratio Lower Upper

130 100

95 98.9 0.0 200.6





#45

1,2-Dichloropropane

Concen: 3.606 ug/l

RT: 9.374 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VW032112.D

Acq: 22 Aug 2025 15:45

Instrument :

MSVOA_W

ClientSampleId :

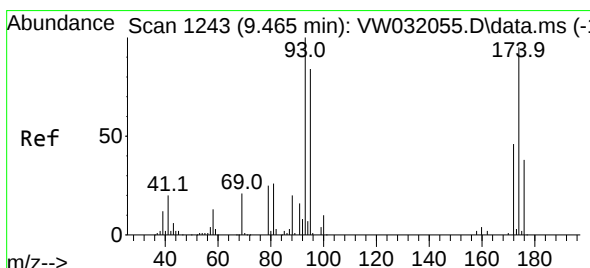
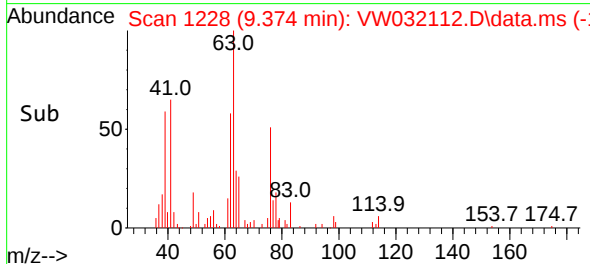
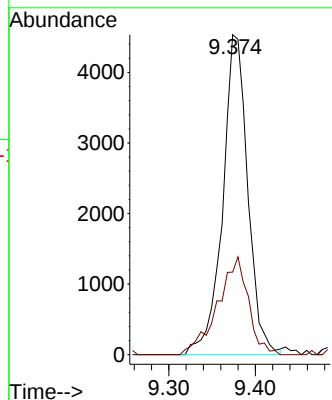
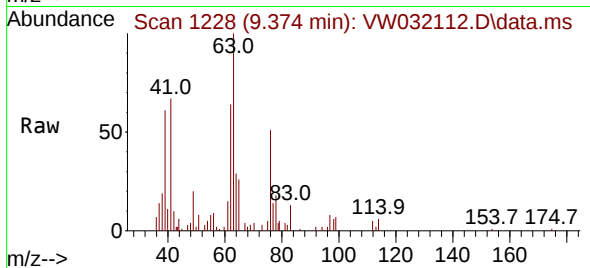
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 63 Resp: 9134

Ion Ratio Lower Upper

63 100

65 25.8 24.6 36.8



#46

Dibromomethane

Concen: 4.026 ug/l

RT: 9.471 min Scan# 1244

Delta R.T. 0.006 min

Lab File: VW032112.D

Acq: 22 Aug 2025 15:45

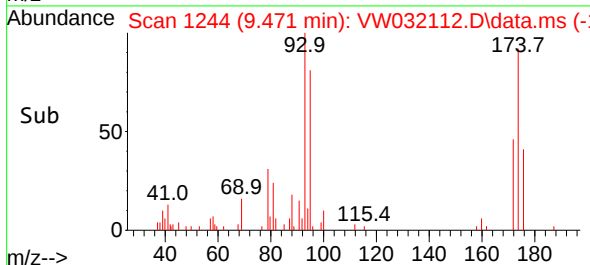
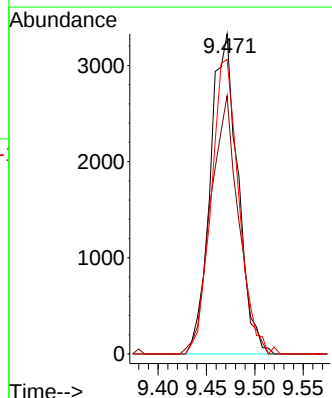
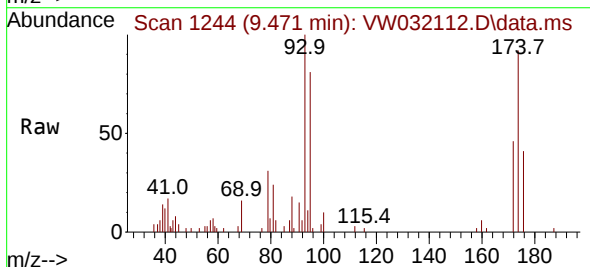
Tgt Ion: 93 Resp: 6582

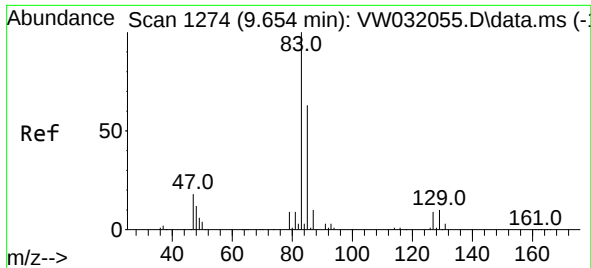
Ion Ratio Lower Upper

93 100

95 81.6 65.3 97.9

174 92.5 68.6 102.8

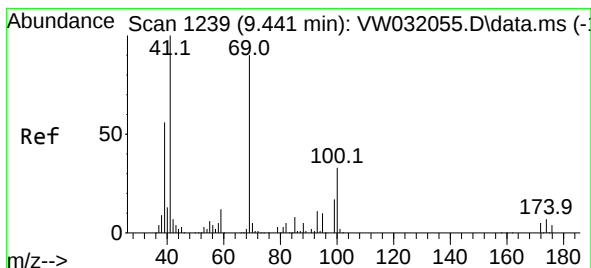
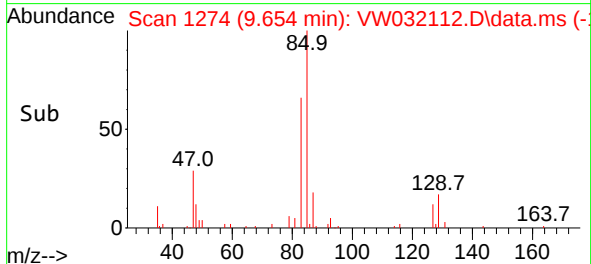
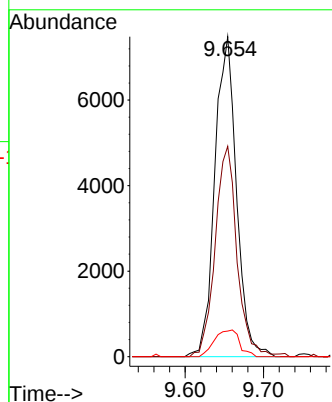
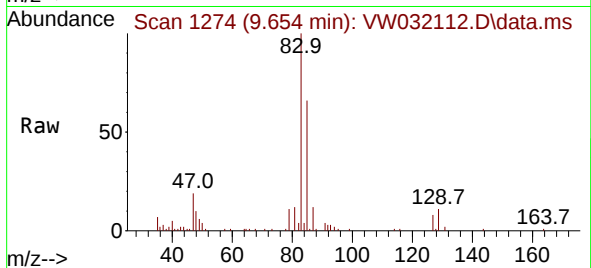




#47
Bromodichloromethane
Concen: 3.820 ug/l
RT: 9.654 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

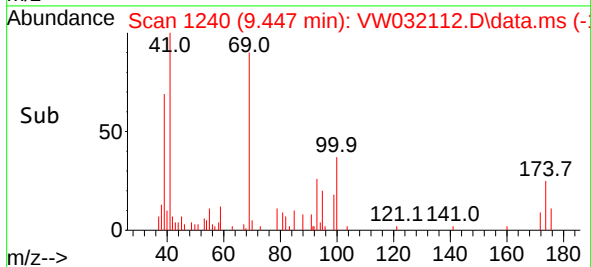
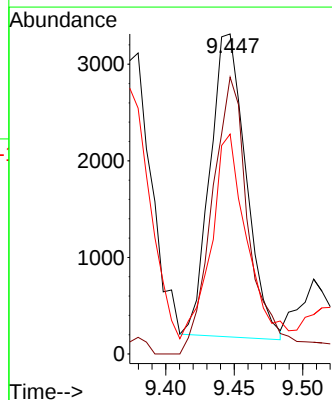
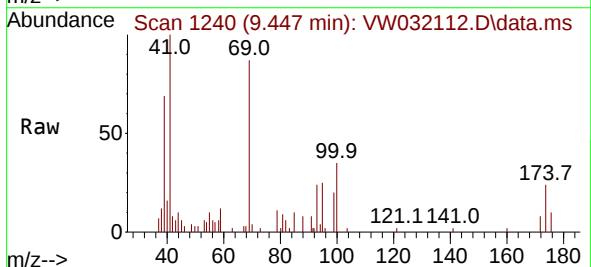
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

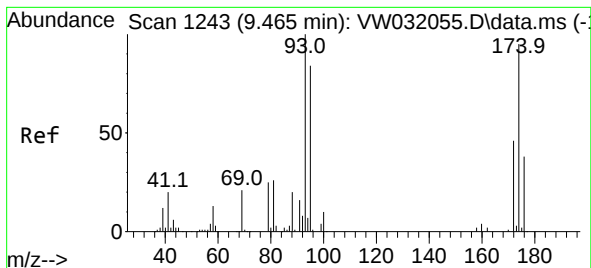
Tgt Ion:	83	Resp:	14390
Ion	Ratio	Lower	Upper
83	100		
85	65.8	50.6	75.8
127	8.0	6.9	10.3



#48
Methyl methacrylate
Concen: 3.246 ug/l
RT: 9.447 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

Tgt Ion:	41	Resp:	5727
Ion	Ratio	Lower	Upper
41	100		
69	97.5	73.0	109.6
39	69.5	45.0	67.4





#49

1,4-Dioxane

Concen: 68.793 ug/l

RT: 9.471 min Scan# 1244

Delta R.T. 0.006 min

Lab File: VW032112.D

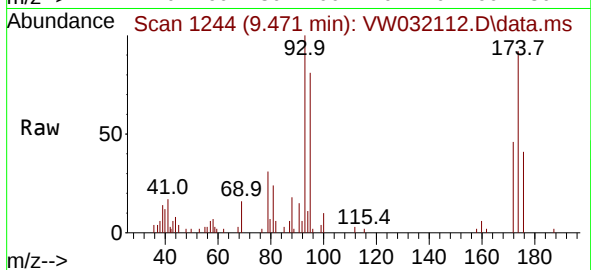
Acq: 22 Aug 2025 15:45

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025



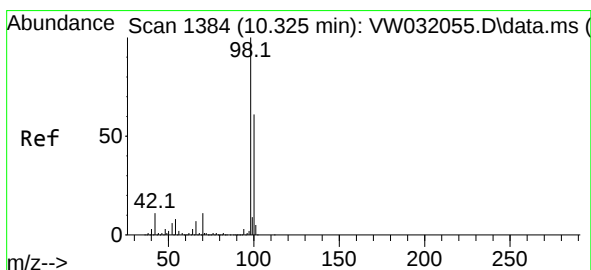
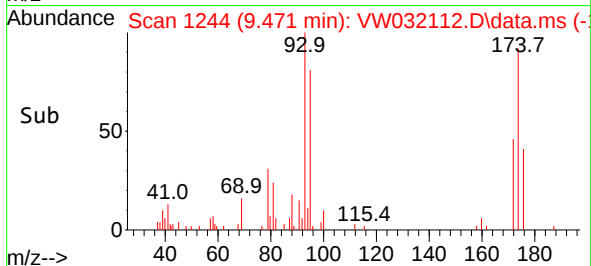
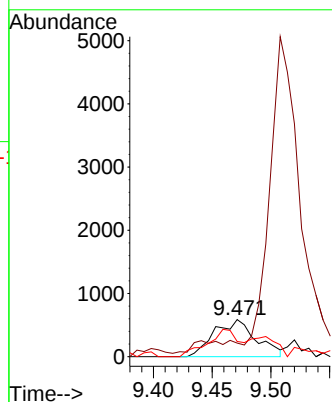
Tgt Ion: 88 Resp: 1454

Ion Ratio Lower Upper

88 100

43 0.0 20.6 30.8#

58 55.0 60.4 90.6#



#50

Toluene-d8

Concen: 49.026 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW032112.D

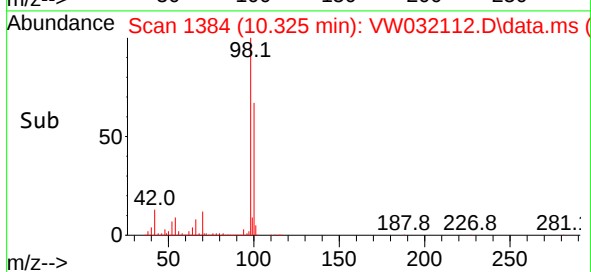
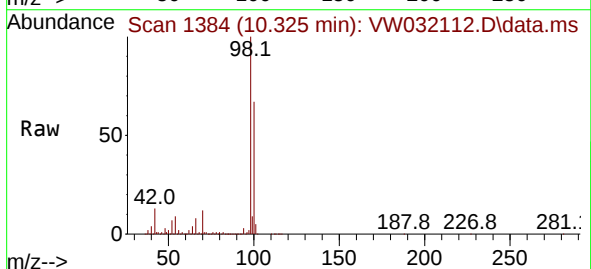
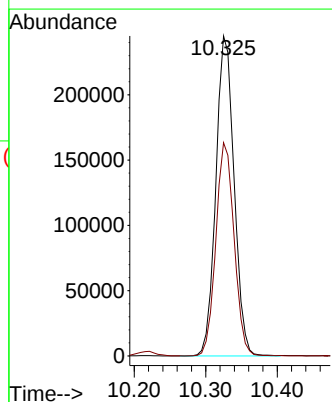
Acq: 22 Aug 2025 15:45

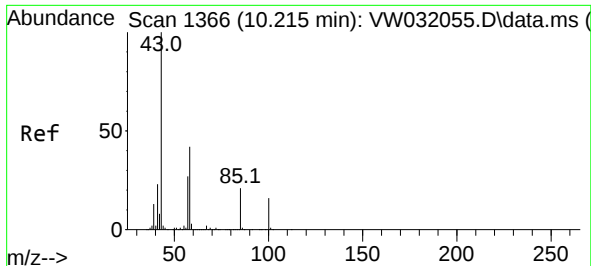
Tgt Ion: 98 Resp: 433846

Ion Ratio Lower Upper

98 100

100 66.7 51.1 76.7

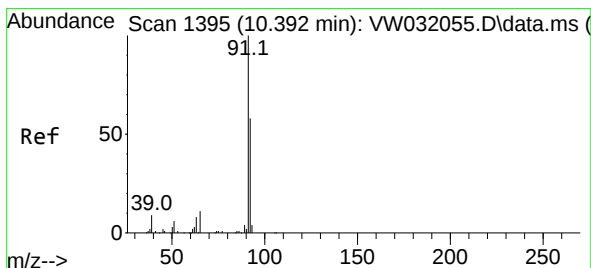
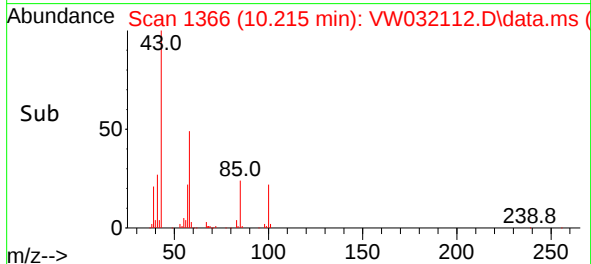
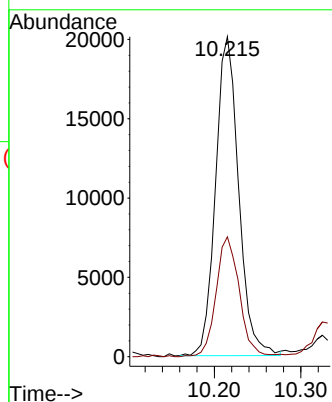
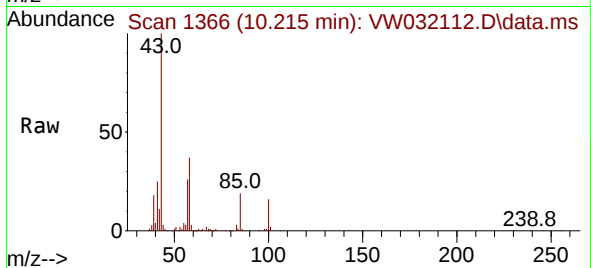




#51
4-Methyl-2-Pentanone
Concen: 18.071 ug/l
RT: 10.215 min Scan# 1366
Delta R.T. 0.000 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

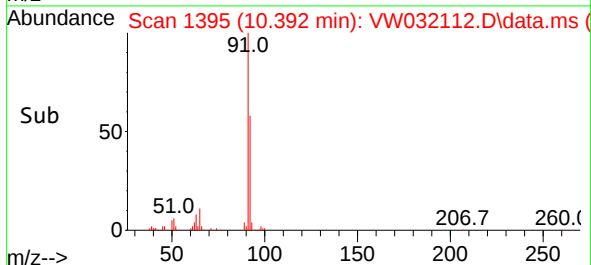
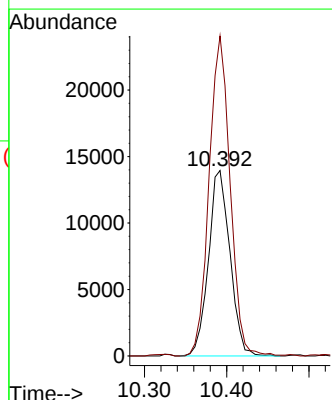
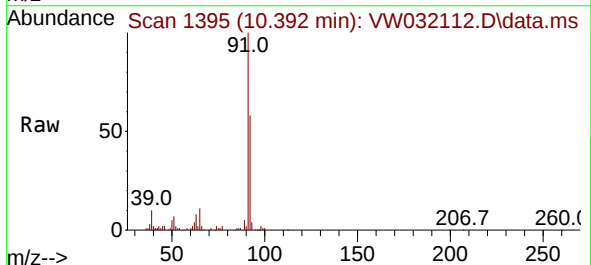
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

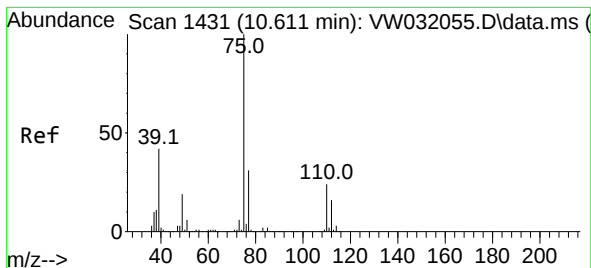
Tgt Ion: 43 Resp: 37277
Ion Ratio Lower Upper
43 100
58 37.8 33.1 49.7



#52
Toluene
Concen: 3.839 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

Tgt Ion: 92 Resp: 25348
Ion Ratio Lower Upper
92 100
91 168.7 136.3 204.5

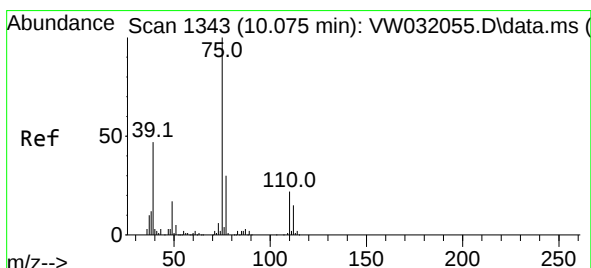
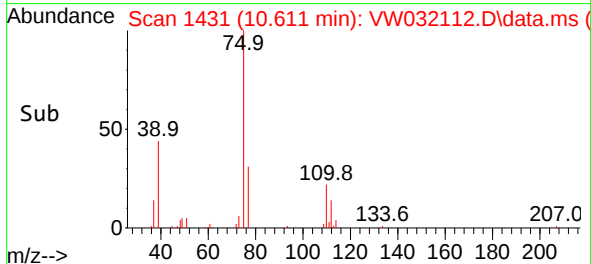
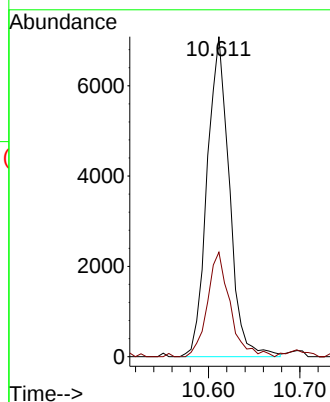
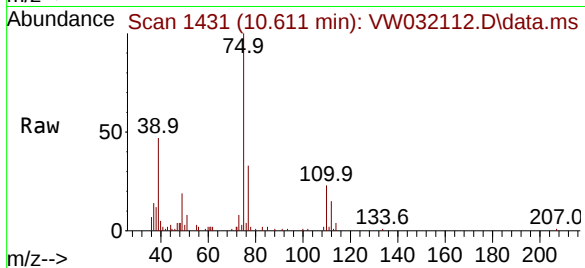




#53
t-1,3-Dichloropropene
Concen: 3.392 ug/l
RT: 10.611 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

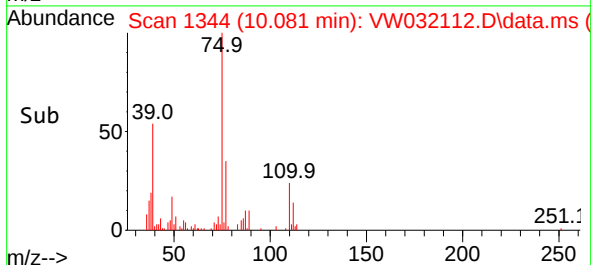
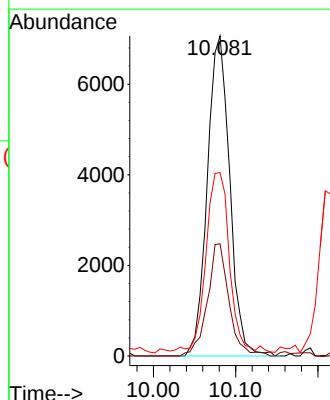
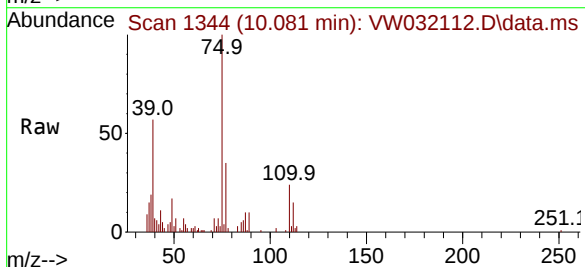
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

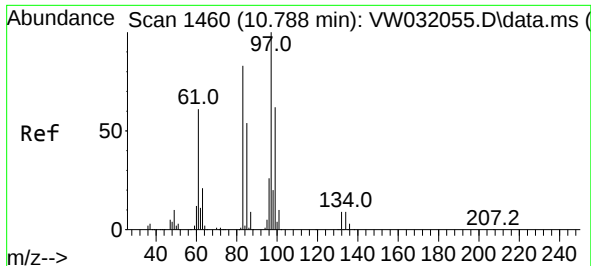
Tgt Ion: 75 Resp: 11969
Ion Ratio Lower Upper
75 100
77 32.9 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 3.347 ug/l
RT: 10.081 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

Tgt Ion: 75 Resp: 13398
Ion Ratio Lower Upper
75 100
77 35.0 24.0 36.0
39 54.6 37.8 56.8

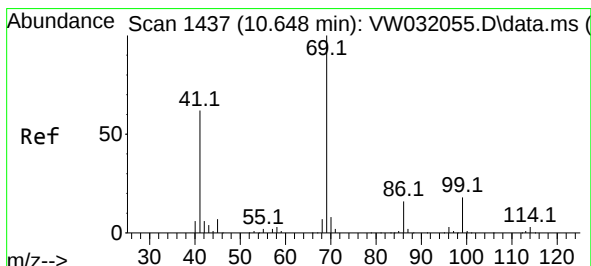
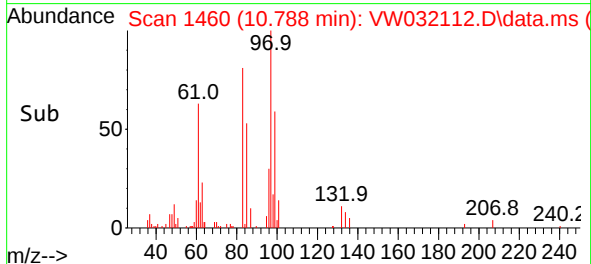
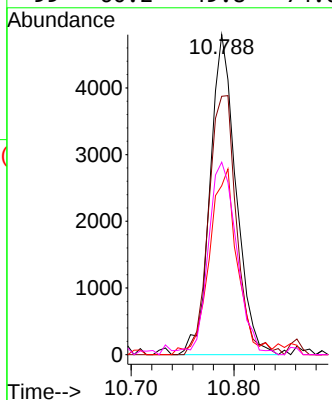
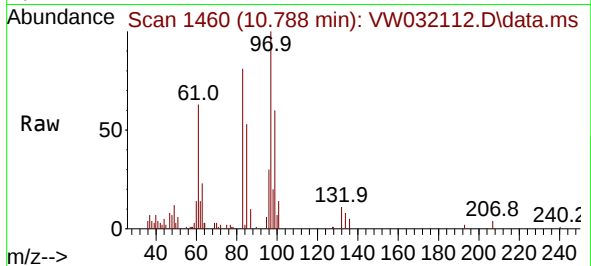




#55
1,1,2-Trichloroethane
Concen: 3.861 ug/l
RT: 10.788 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

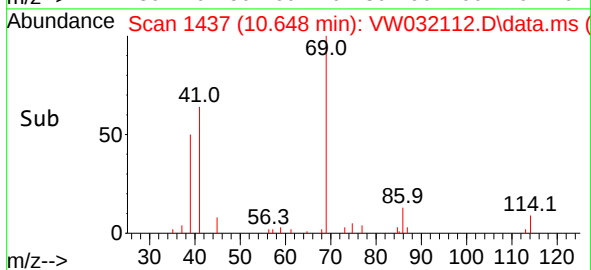
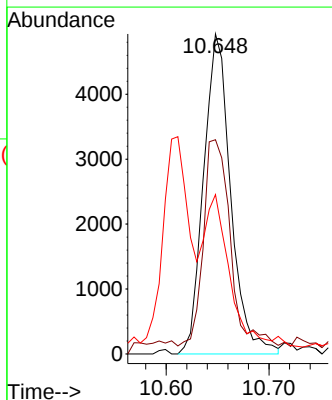
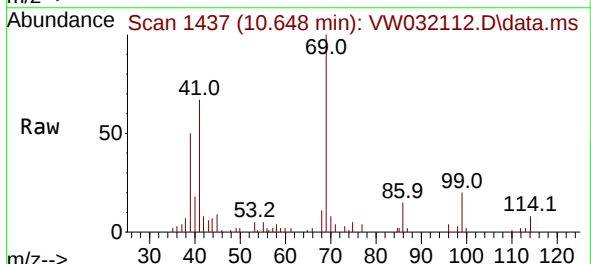
Instrument : MSVOA_W
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

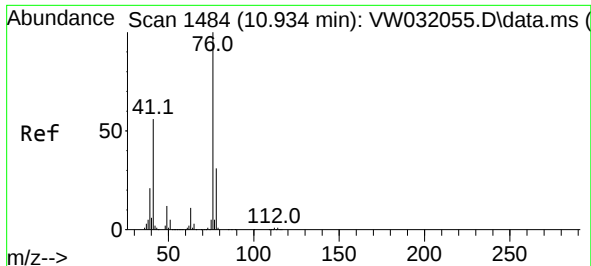
Tgt Ion: 97	Resp: 8388
Ion Ratio	Lower Upper
97 100	
83 80.8	66.4 99.6
85 50.6	43.1 64.7
99 60.2	49.8 74.6



#56
Ethyl methacrylate
Concen: 3.108 ug/l
RT: 10.648 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

Tgt Ion: 69	Resp: 9035		
Ion Ratio	Lower	Upper	
69 100			
41 65.5	51.2	76.8	
39 47.9	25.4	38.0	#





#57

1,3-Dichloropropane

Concen: 3.857 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. 0.000 min

Lab File: VW032112.D

Acq: 22 Aug 2025 15:45

Instrument :

MSVOA_W

ClientSampleId :

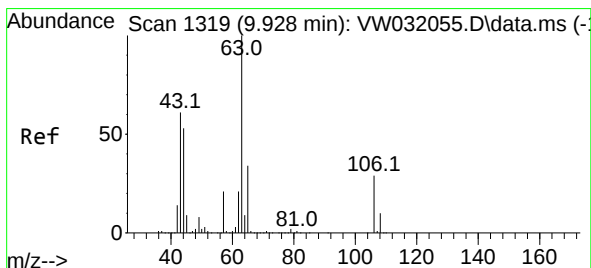
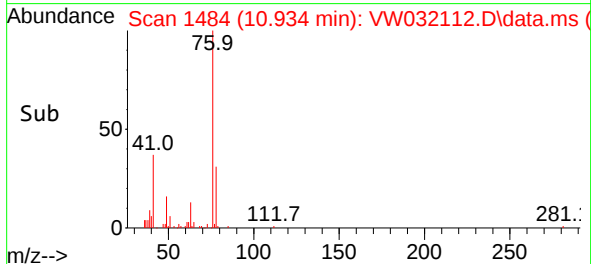
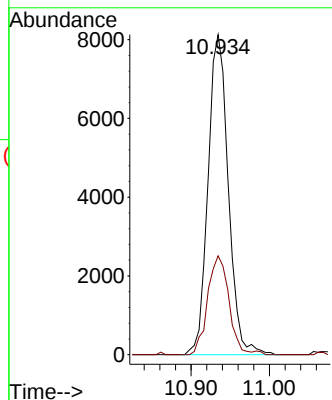
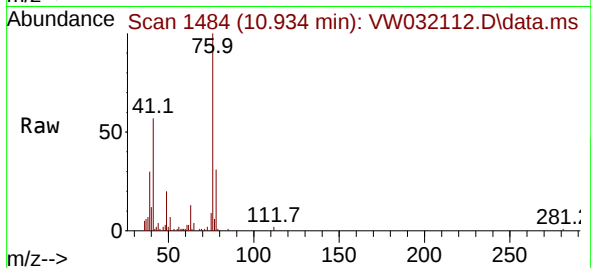
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 76 Resp: 14604

Ion Ratio Lower Upper

76 100

78 32.6 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 15.329 ug/l

RT: 9.929 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VW032112.D

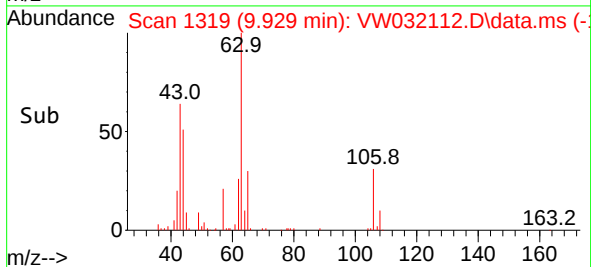
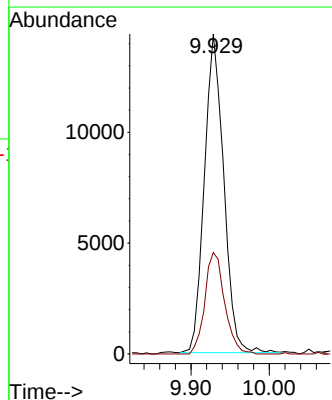
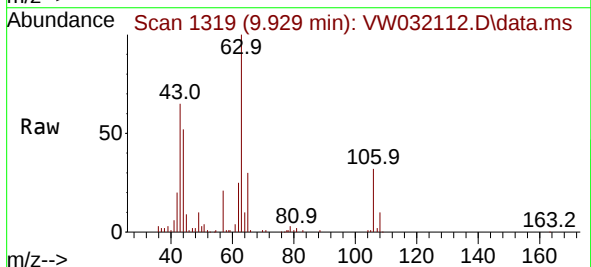
Acq: 22 Aug 2025 15:45

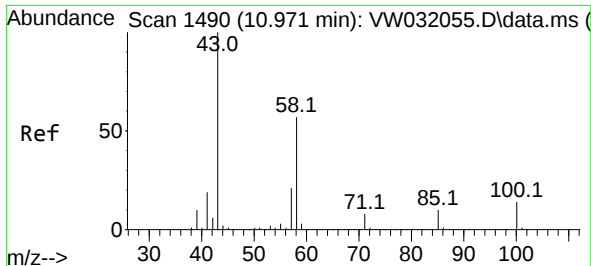
Tgt Ion: 63 Resp: 24647

Ion Ratio Lower Upper

63 100

106 32.4 23.5 35.3

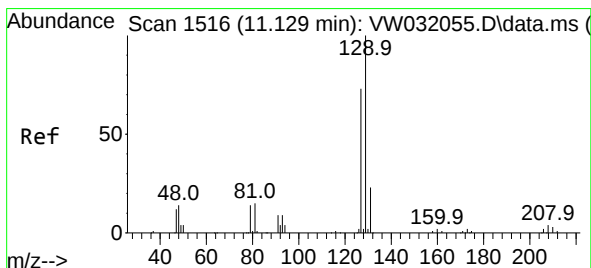
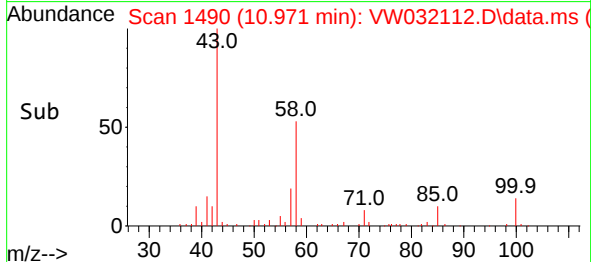
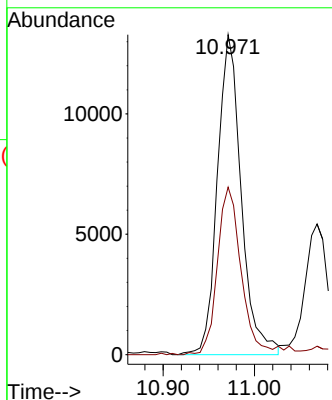
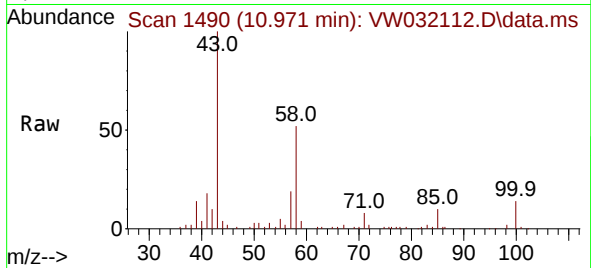




#59
2-Hexanone
Concen: 16.852 ug/l
RT: 10.971 min Scan# 1490
Delta R.T. 0.000 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

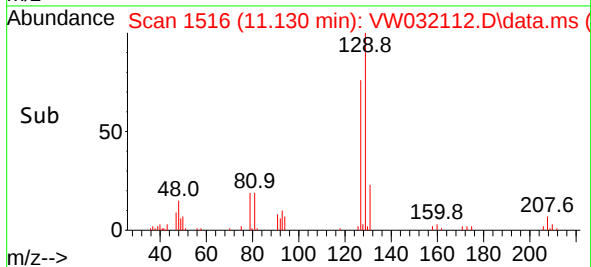
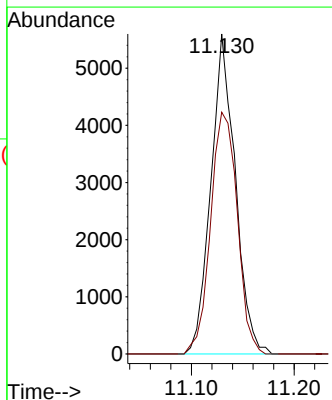
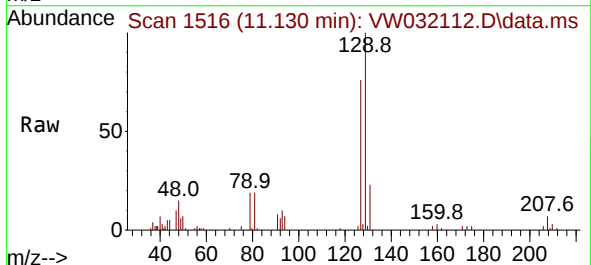
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

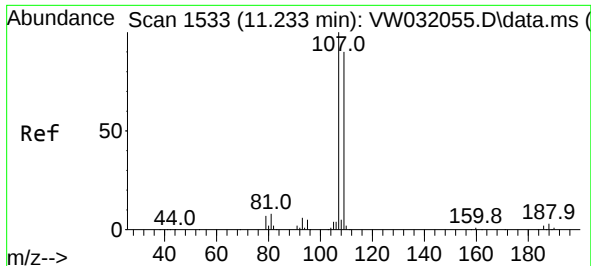
Tgt Ion: 43 Resp: 24075
Ion Ratio Lower Upper
43 100
58 51.7 28.3 85.0



#60
Dibromochloromethane
Concen: 3.727 ug/l
RT: 11.130 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

Tgt Ion:129 Resp: 9248
Ion Ratio Lower Upper
129 100
127 82.4 39.0 116.9

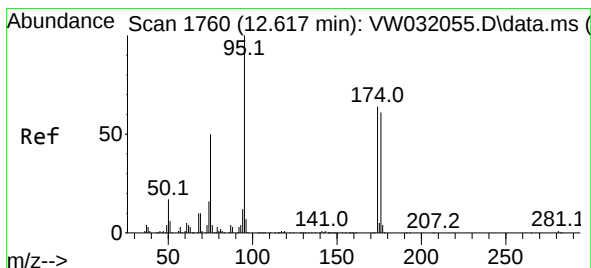
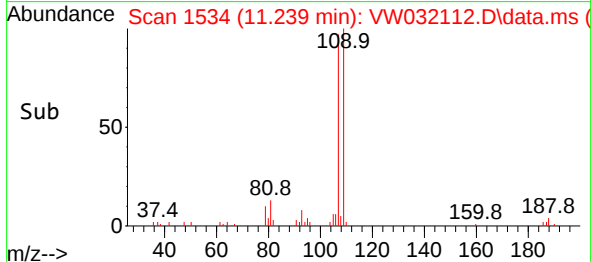
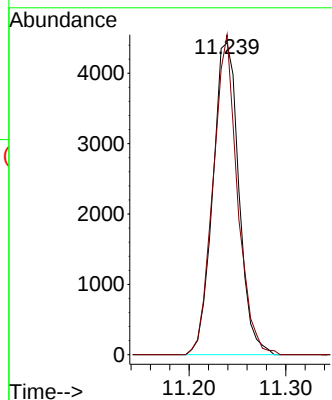
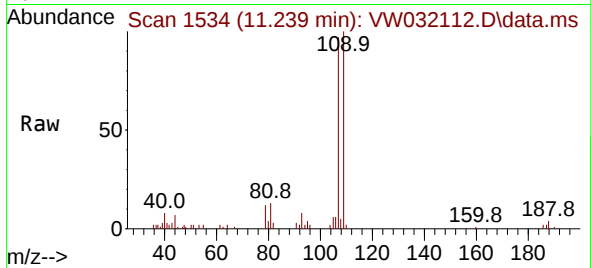




#61
1,2-Dibromoethane
Concen: 3.920 ug/l
RT: 11.239 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

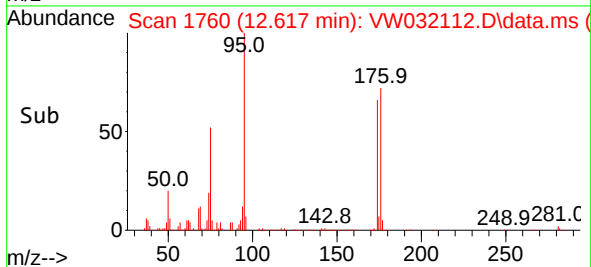
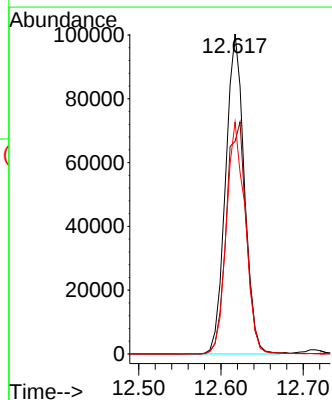
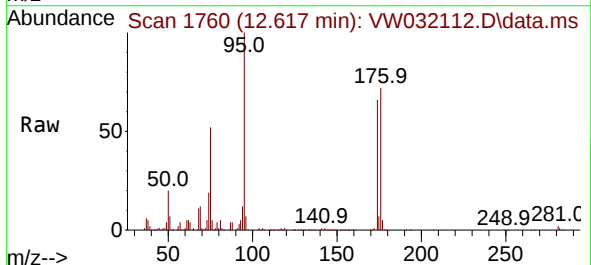
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

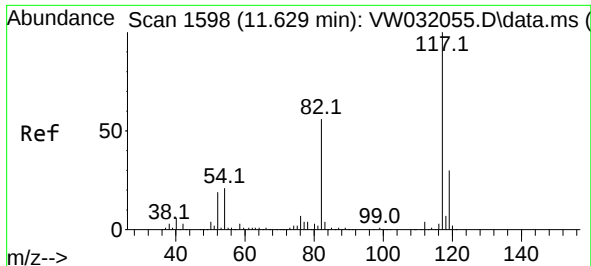
Tgt Ion:107 Resp: 8275
Ion Ratio Lower Upper
107 100
109 96.2 74.2 111.4



#62
4-Bromofluorobenzene
Concen: 48.674 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

Tgt Ion: 95 Resp: 158728
Ion Ratio Lower Upper
95 100
174 77.4 0.0 129.0
176 73.2 0.0 124.6

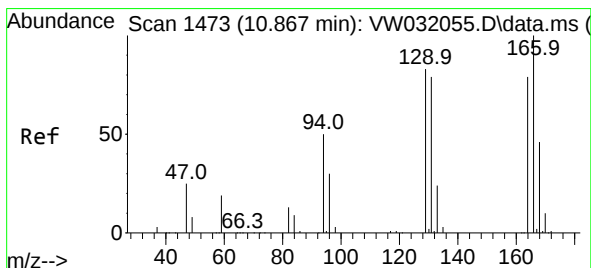
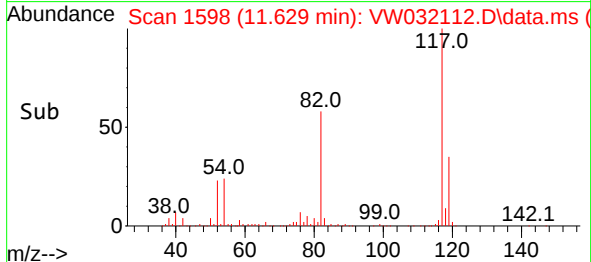
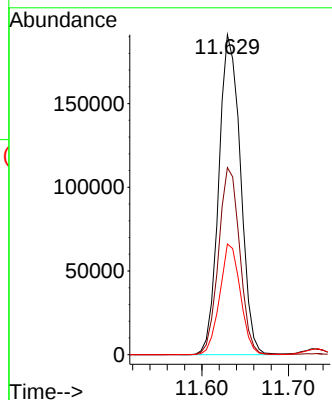
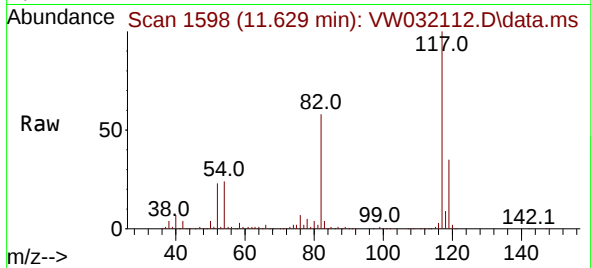




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

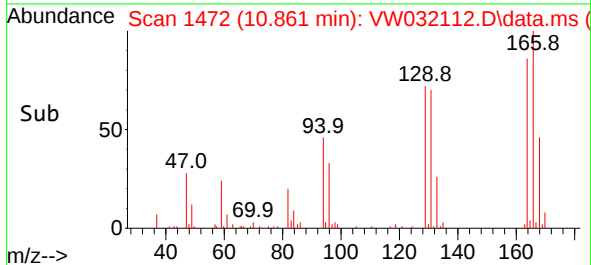
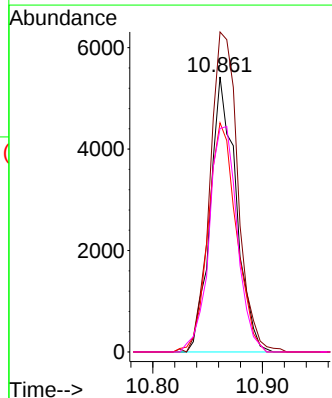
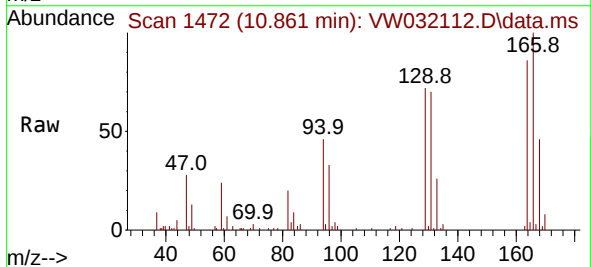
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

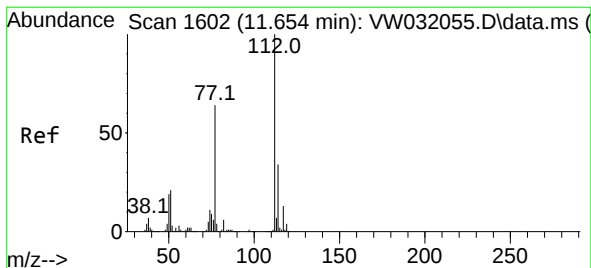
Tgt Ion:117 Resp: 332441
Ion Ratio Lower Upper
117 100
82 58.4 45.0 67.4
119 34.6 24.2 36.4



#64
Tetrachloroethene
Concen: 4.610 ug/l
RT: 10.861 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

Tgt Ion:164 Resp: 8852
Ion Ratio Lower Upper
164 100
166 115.2 100.9 151.3
129 83.3 83.6 125.4#
131 81.3 79.3 118.9





#65

Chlorobenzene

Concen: 3.873 ug/l

RT: 11.660 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW032112.D

Acq: 22 Aug 2025 15:45

Instrument :

MSVOA_W

ClientSampleId :

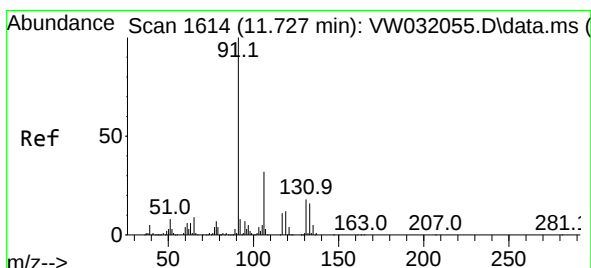
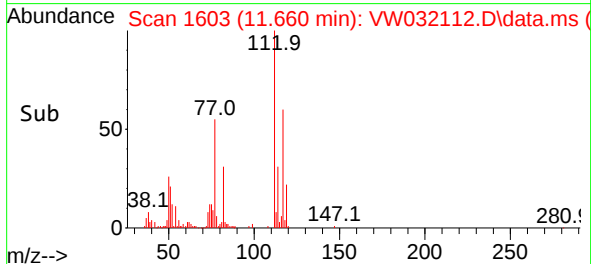
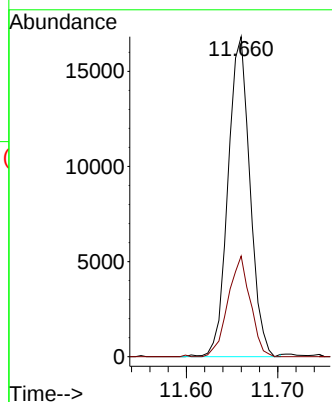
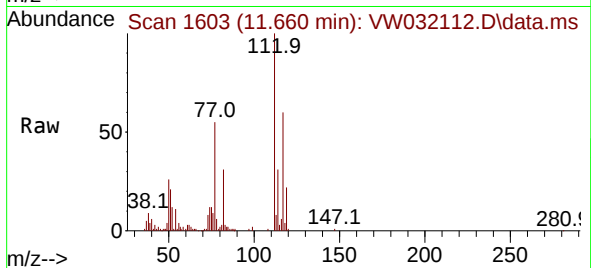
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:112 Resp: 28025

Ion Ratio Lower Upper

112 100

114 31.4 26.9 40.3



#66

1,1,1,2-Tetrachloroethane

Concen: 3.831 ug/l

RT: 11.733 min Scan# 1615

Delta R.T. 0.006 min

Lab File: VW032112.D

Acq: 22 Aug 2025 15:45

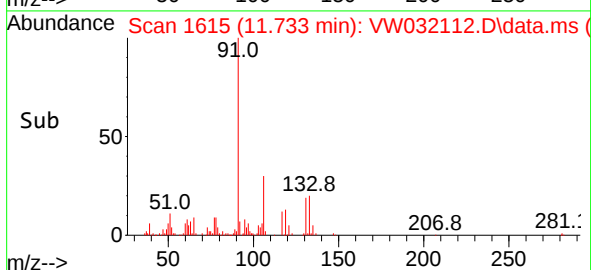
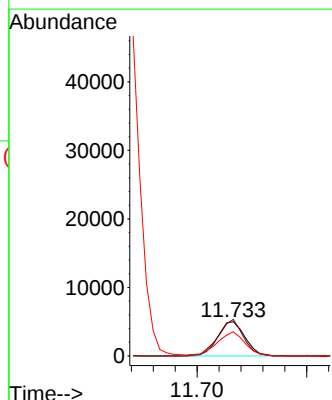
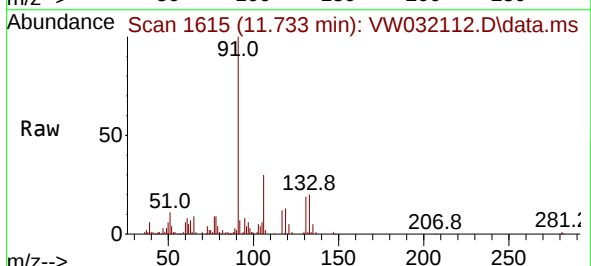
Tgt Ion:131 Resp: 8648

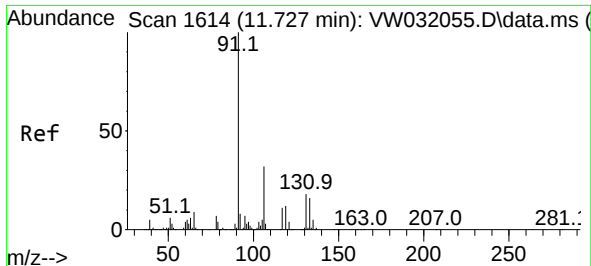
Ion Ratio Lower Upper

131 100

133 99.8 47.3 142.0

119 72.2 34.5 103.5





#67

Ethyl Benzene

Concen: 3.513 ug/l

RT: 11.733 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW032112.D

Acq: 22 Aug 2025 15:45

Instrument :

MSVOA_W

ClientSampleId :

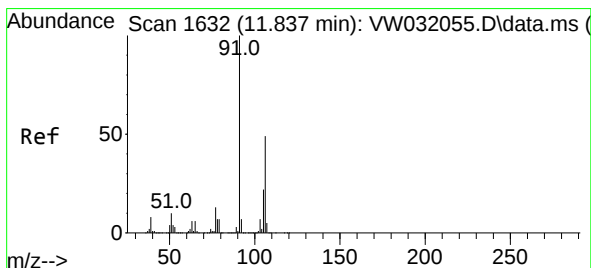
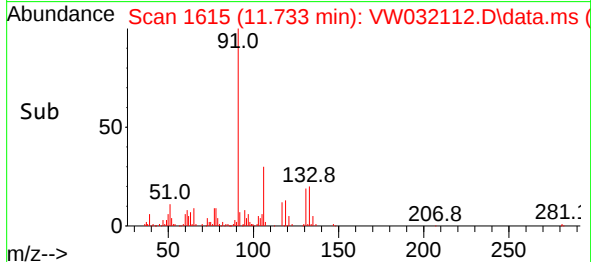
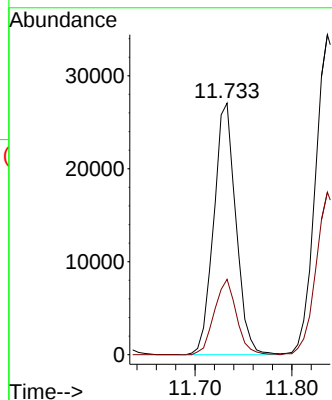
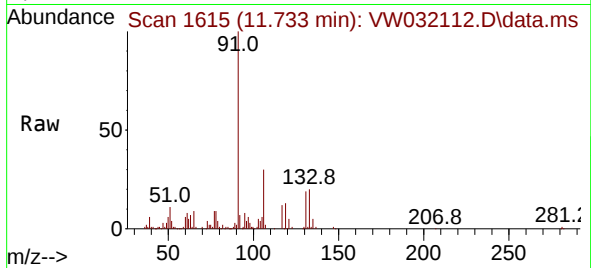
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 91 Resp: 43063

Ion Ratio Lower Upper

91 100

106 30.0 25.4 38.0



#68

m/p-Xylenes

Concen: 6.992 ug/l

RT: 11.837 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW032112.D

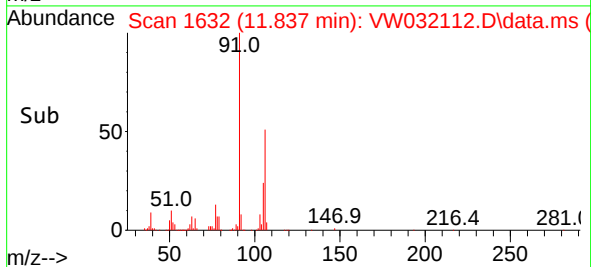
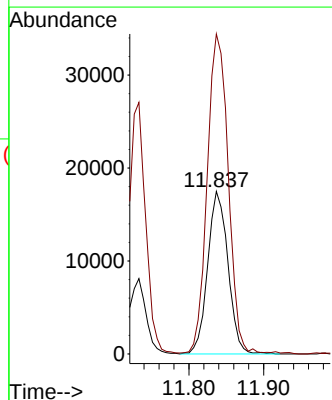
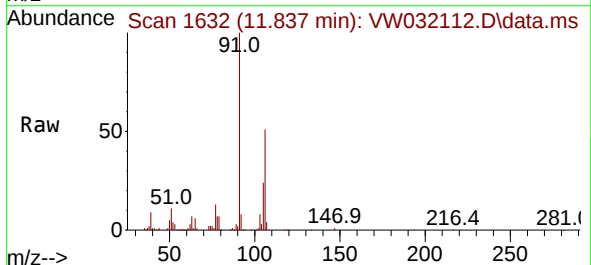
Acq: 22 Aug 2025 15:45

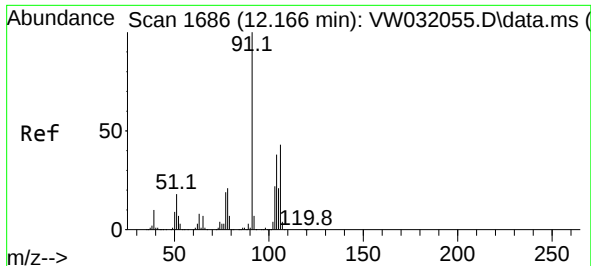
Tgt Ion:106 Resp: 33068

Ion Ratio Lower Upper

106 100

91 202.1 162.2 243.2

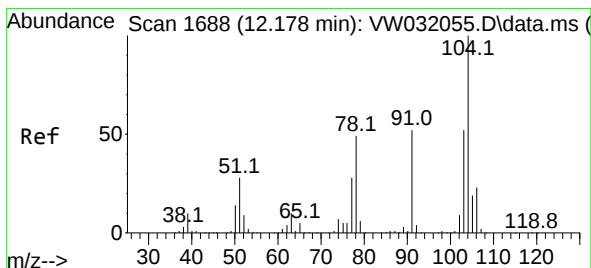
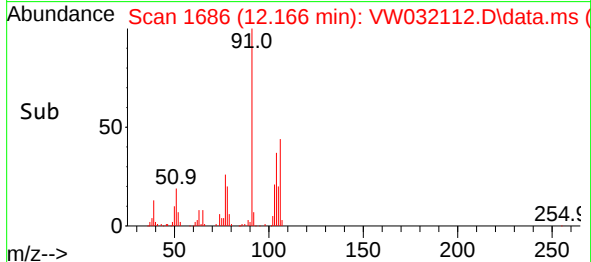
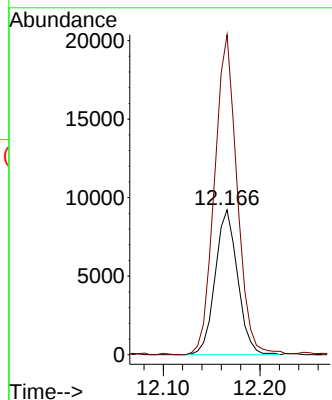
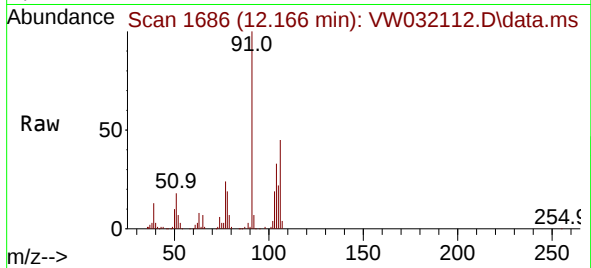




#69
o-Xylene
Concen: 3.389 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

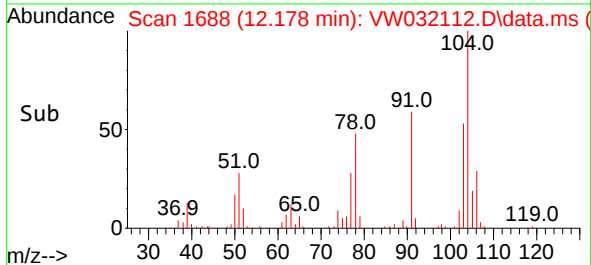
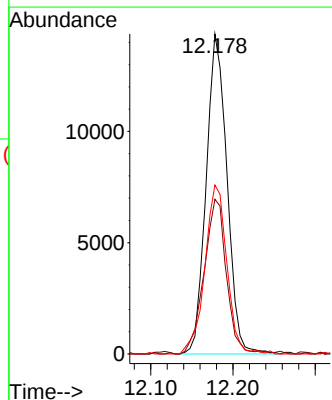
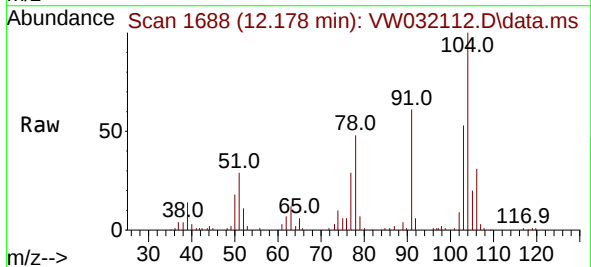
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

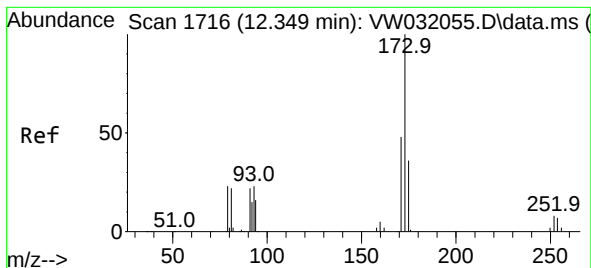
Tgt Ion:106 Resp: 14814
Ion Ratio Lower Upper
106 100
91 222.8 110.8 332.3



#70
Styrene
Concen: 3.258 ug/l
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

Tgt Ion:104 Resp: 25299
Ion Ratio Lower Upper
104 100
78 51.9 41.2 61.8
103 56.0 43.8 65.8





#71

Bromoform

Concen: 4.391 ug/l

RT: 12.343 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW032112.D

Acq: 22 Aug 2025 15:45

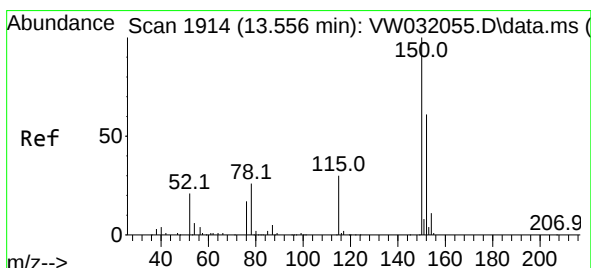
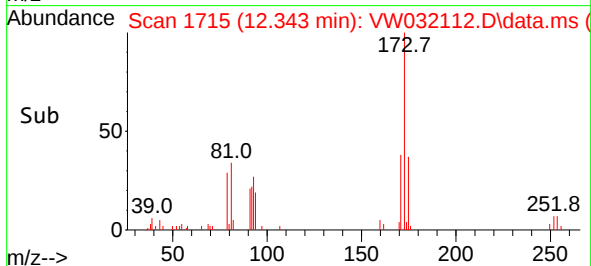
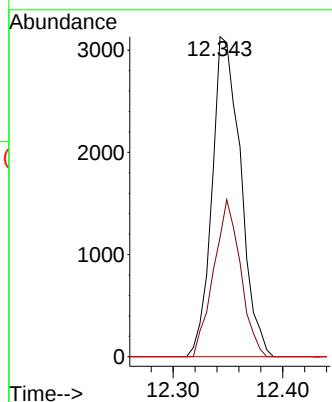
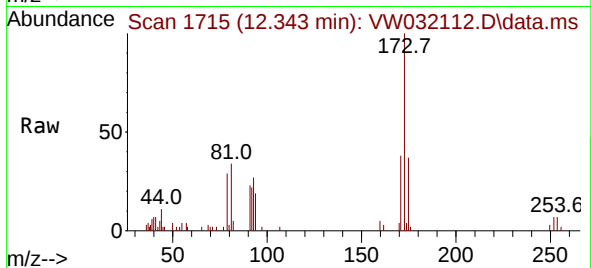
Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:173	Resp:	5671
Ion Ratio	Lower	Upper
173	100	
175	46.1	22.9 68.7
254	0.0	0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

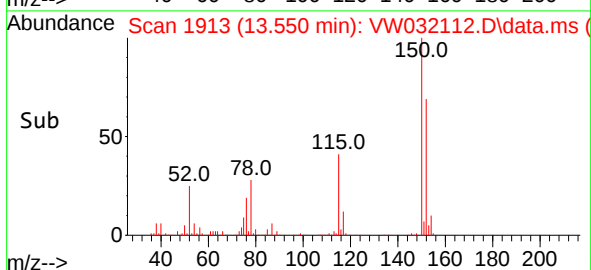
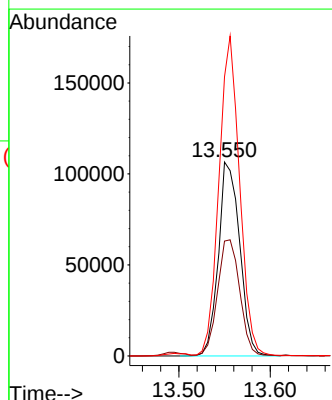
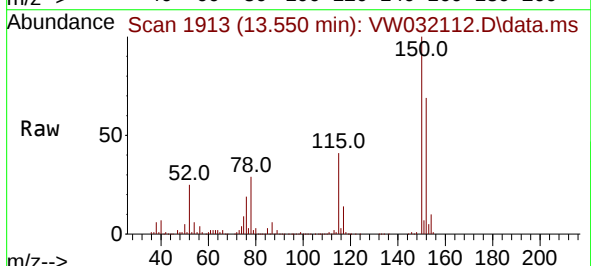
RT: 13.550 min Scan# 1913

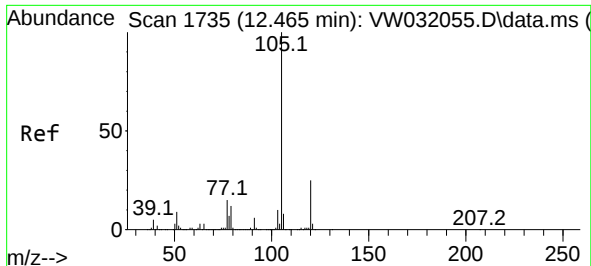
Delta R.T. -0.006 min

Lab File: VW032112.D

Acq: 22 Aug 2025 15:45

Tgt Ion:152	Resp:	172925
Ion Ratio	Lower	Upper
152	100	
115	62.3	32.6 97.8
150	159.3	0.0 359.4

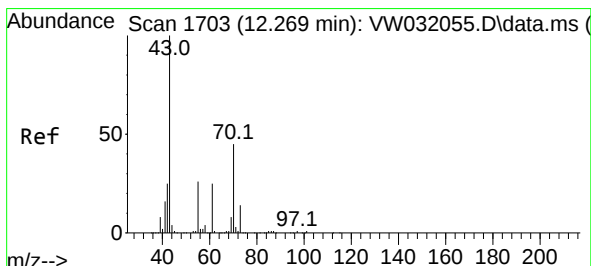
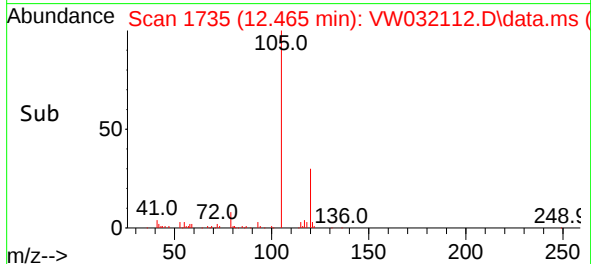
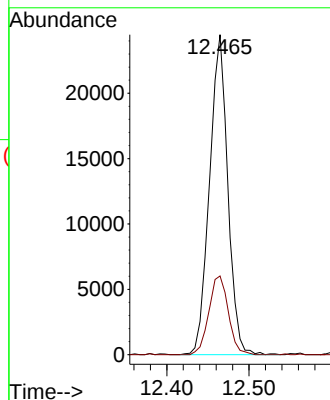
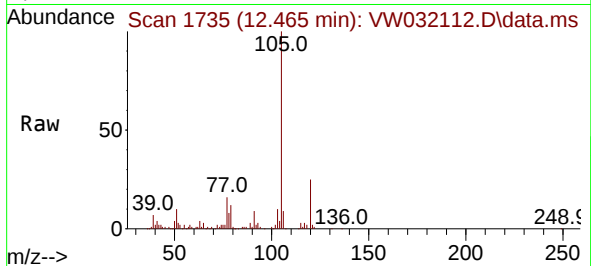




#73
Isopropylbenzene
Concen: 3.127 ug/l
RT: 12.465 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

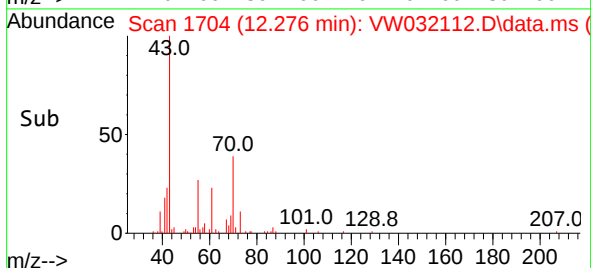
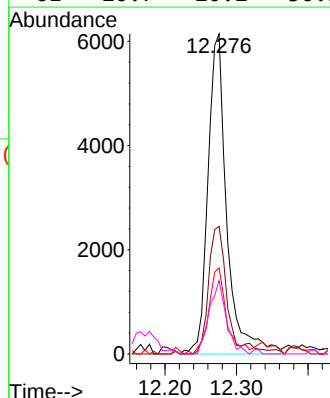
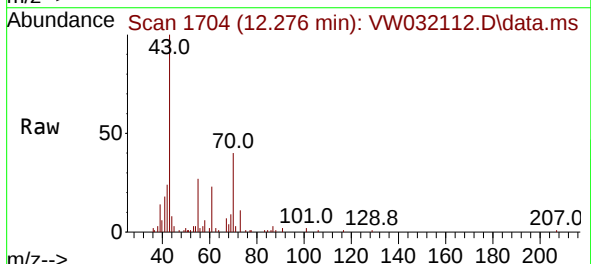
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

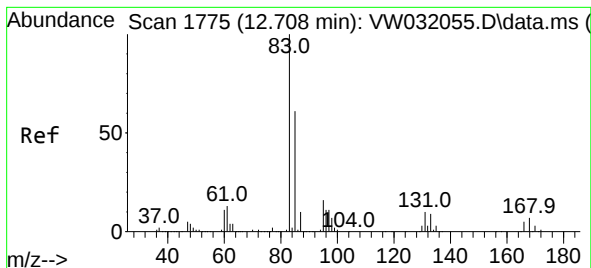
Tgt Ion:105 Resp: 37789
Ion Ratio Lower Upper
105 100
120 26.2 12.8 38.4



#74
N-ethyl acetate
Concen: 3.239 ug/l
RT: 12.276 min Scan# 1704
Delta R.T. 0.006 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

Tgt Ion: 43 Resp: 11231
Ion Ratio Lower Upper
43 100
70 36.7 37.0 55.4#
55 25.1 21.1 31.7
61 20.7 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 3.664 ug/l

RT: 12.715 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW032112.D

Acq: 22 Aug 2025 15:45

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

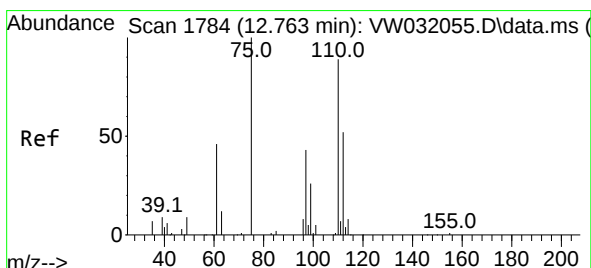
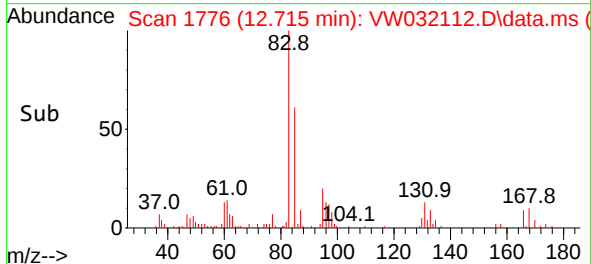
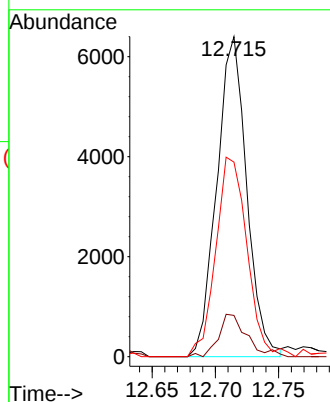
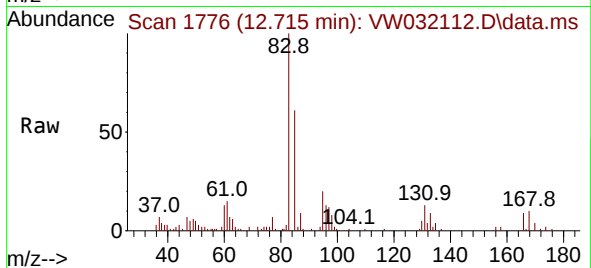
Tgt Ion: 83 Resp: 10512

Ion Ratio Lower Upper

83 100

131 12.5 5.1 15.4

85 65.2 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 5.522 ug/l

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW032112.D

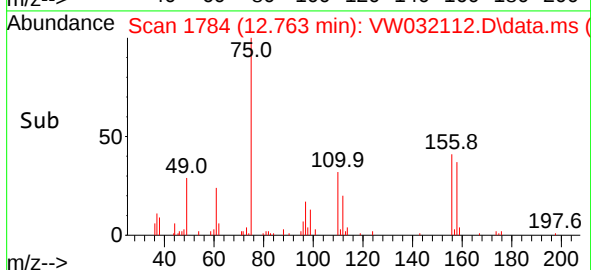
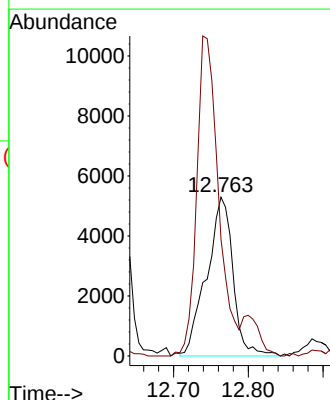
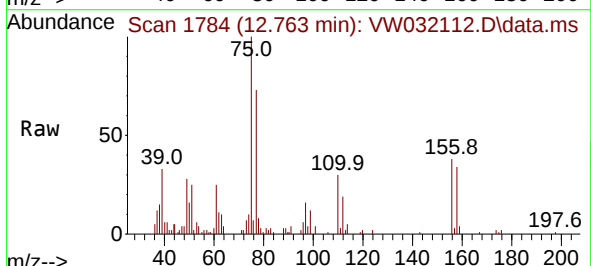
Acq: 22 Aug 2025 15:45

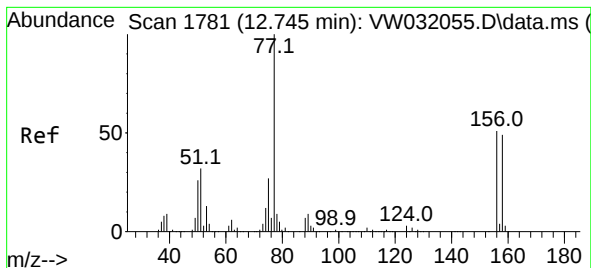
Tgt Ion: 75 Resp: 12960

Ion Ratio Lower Upper

75 100

77 0.0 123.5 370.5#





#77

Bromobenzene

Concen: 4.020 ug/l

RT: 12.745 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW032112.D

Acq: 22 Aug 2025 15:45

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

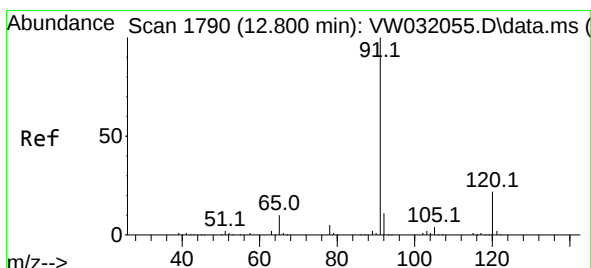
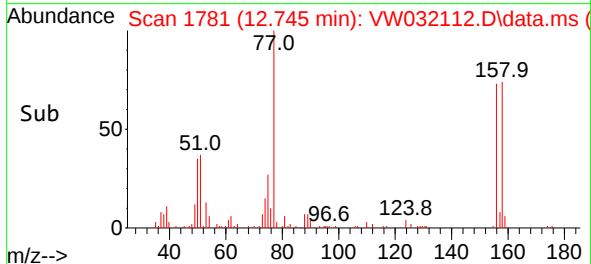
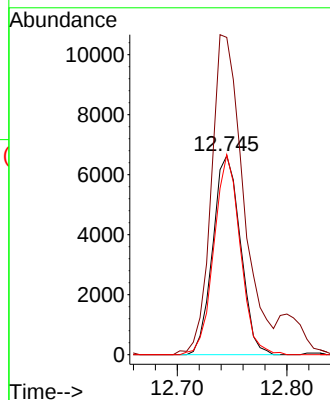
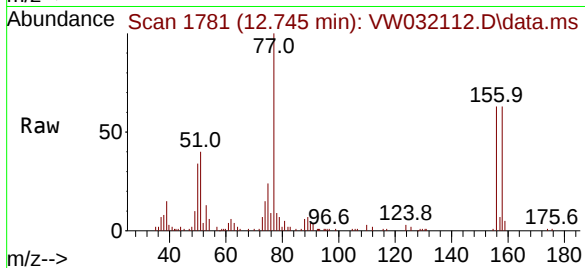
Tgt Ion:156 Resp: 11603

Ion Ratio Lower Upper

156 100

77 186.2 108.7 326.3

158 95.5 48.3 144.9



#78

n-propylbenzene

Concen: 3.292 ug/l

RT: 12.800 min Scan# 1790

Delta R.T. 0.000 min

Lab File: VW032112.D

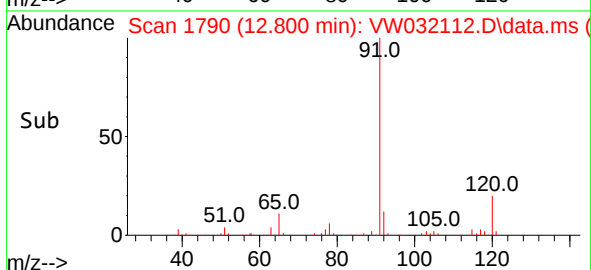
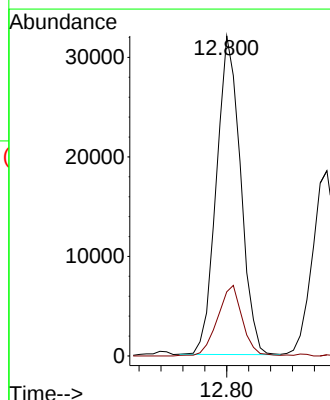
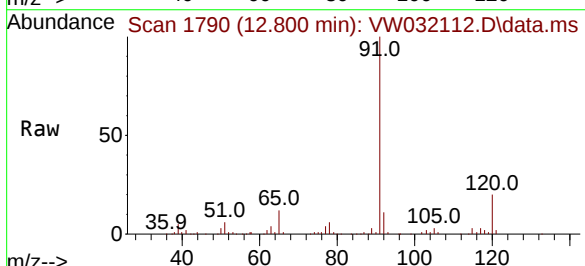
Acq: 22 Aug 2025 15:45

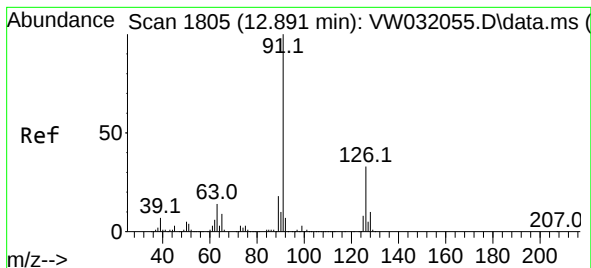
Tgt Ion: 91 Resp: 48982

Ion Ratio Lower Upper

91 100

120 22.7 11.1 33.3





#79

2-Chlorotoluene

Concen: 3.303 ug/l

RT: 12.891 min Scan# 1805

Delta R.T. 0.000 min

Lab File: VW032112.D

Acq: 22 Aug 2025 15:45

Instrument :

MSVOA_W

ClientSampleId :

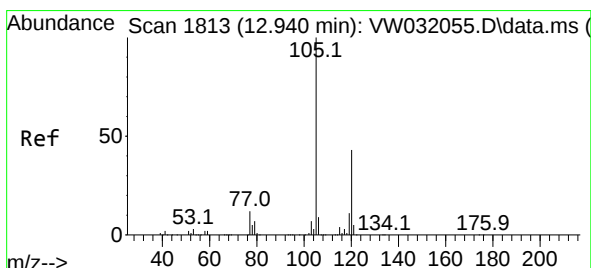
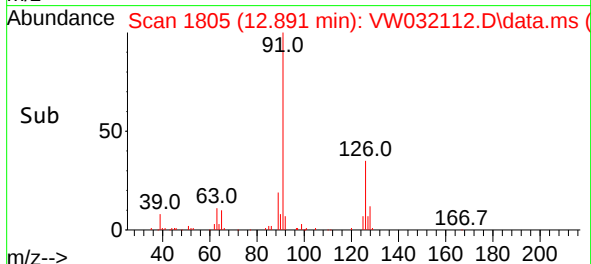
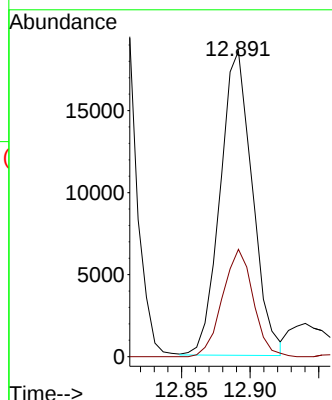
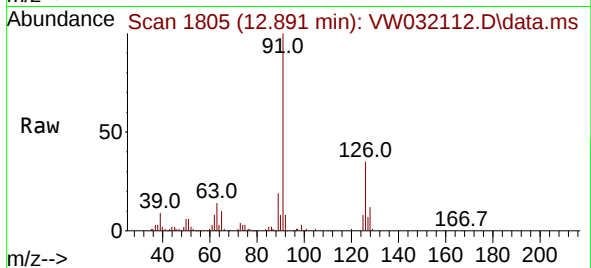
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 91 Resp: 30331

Ion Ratio Lower Upper

91 100

126 33.6 15.9 47.7



#80

1,3,5-Trimethylbenzene

Concen: 3.141 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW032112.D

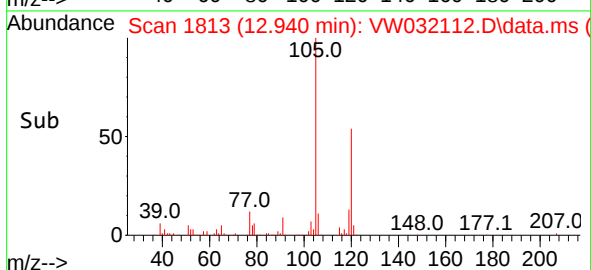
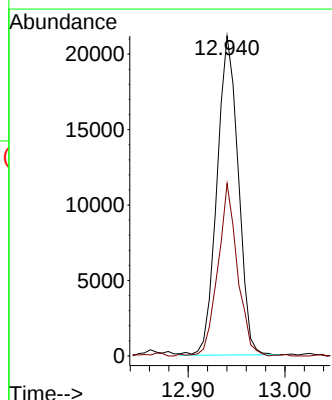
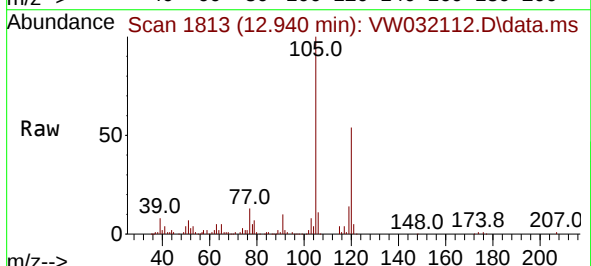
Acq: 22 Aug 2025 15:45

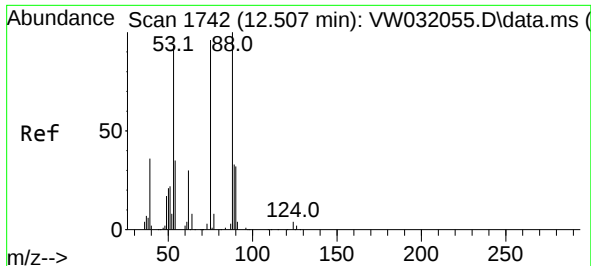
Tgt Ion:105 Resp: 32226

Ion Ratio Lower Upper

105 100

120 50.0 23.4 70.0

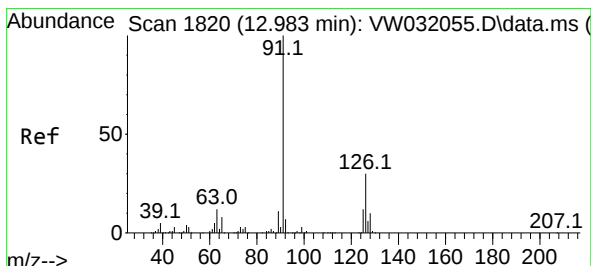
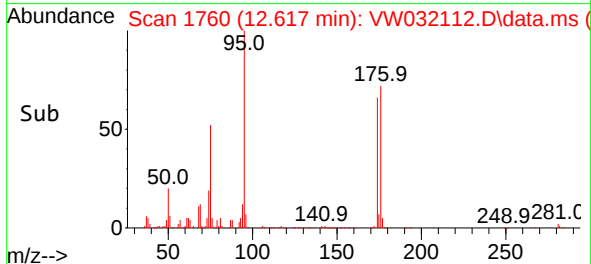
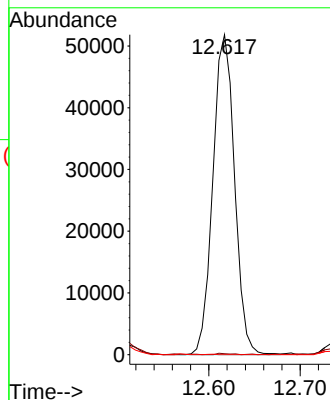
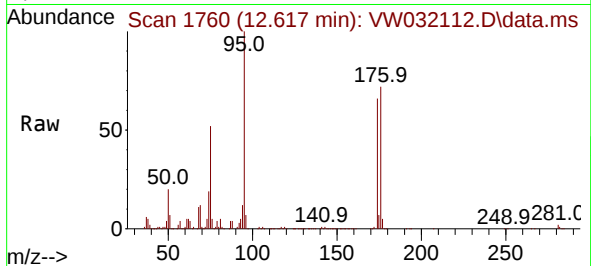




#81
trans-1,4-Dichloro-2-butene
Concen: 94.148 ug/l
RT: 12.617 min Scan# 1742
Delta R.T. 0.110 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

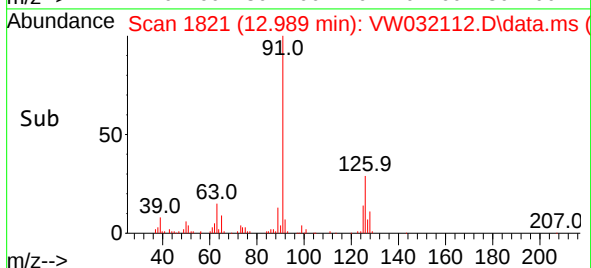
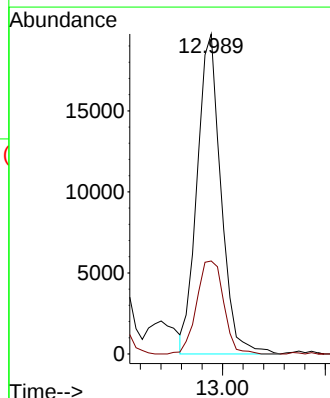
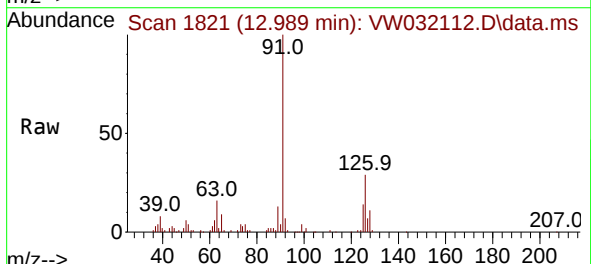
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

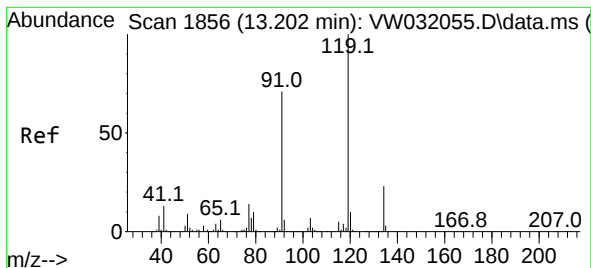
Tgt Ion: 75 Resp: 85351
Ion Ratio Lower Upper
75 100
53 0.3 81.0 121.6#
89 0.0 37.3 55.9#



#82
4-Chlorotoluene
Concen: 3.265 ug/l
RT: 12.989 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VW032112.D
Acq: 22 Aug 2025 15:45

Tgt Ion: 91 Resp: 31856
Ion Ratio Lower Upper
91 100
126 32.8 15.5 46.5





#83

tert-Butylbenzene

Concen: 3.211 ug/l

RT: 13.202 min Scan# 1856

Delta R.T. 0.000 min

Lab File: VW032112.D

Acq: 22 Aug 2025 15:45

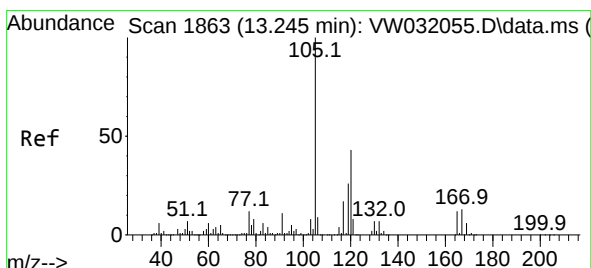
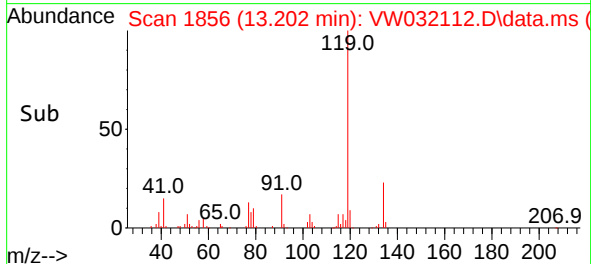
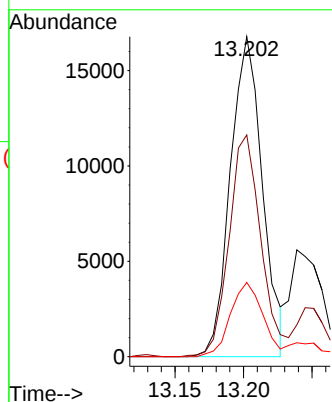
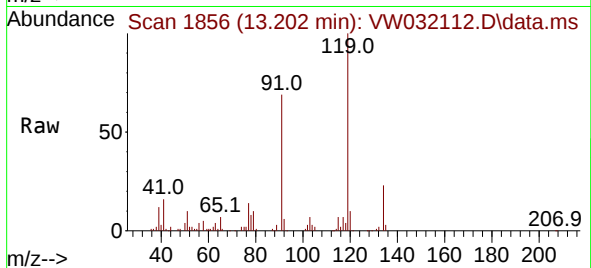
Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:	119	Resp:	27338
Ion Ratio	Lower	Upper	
119	100		
91	69.4	35.3	105.9
134	23.3	12.1	36.3



#84

1,2,4-Trimethylbenzene

Concen: 3.146 ug/l

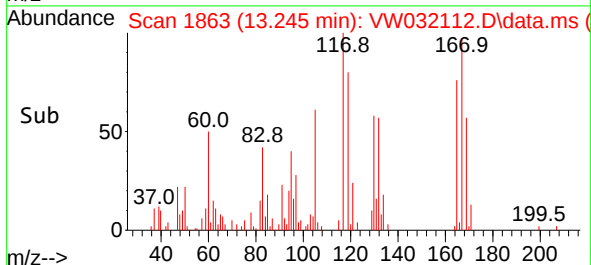
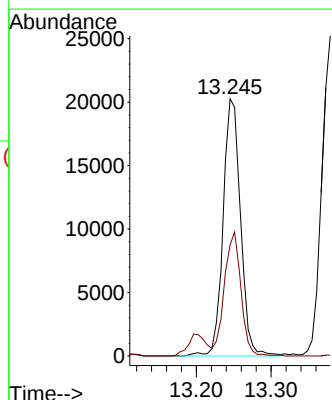
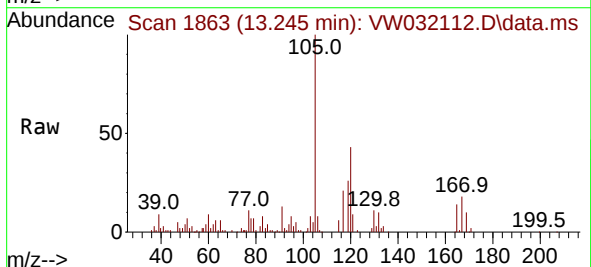
RT: 13.245 min Scan# 1863

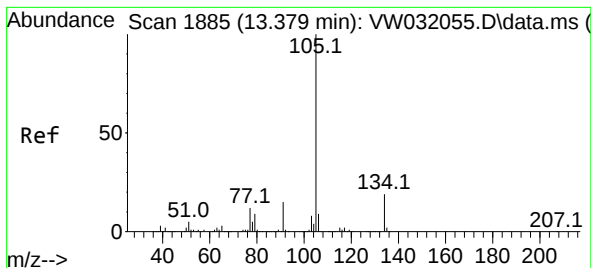
Delta R.T. 0.000 min

Lab File: VW032112.D

Acq: 22 Aug 2025 15:45

Tgt Ion:	105	Resp:	32862
Ion Ratio	Lower	Upper	
105	100		
120	45.7	21.6	64.8





#85

sec-Butylbenzene

Concen: 3.156 ug/l

RT: 13.379 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW032112.D

Acq: 22 Aug 2025 15:45

Instrument :

MSVOA_W

ClientSampleId :

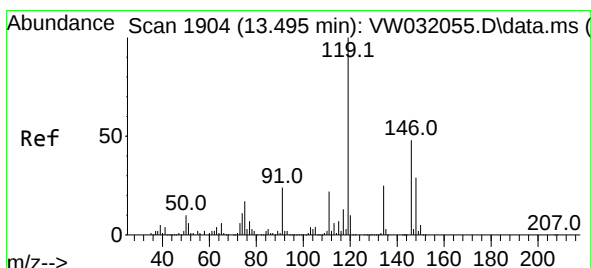
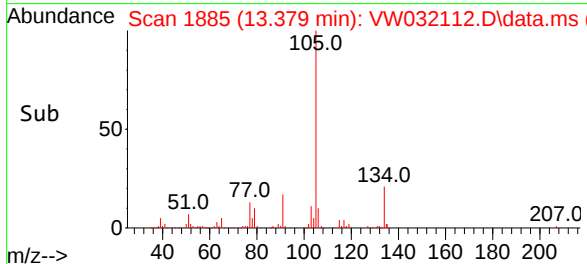
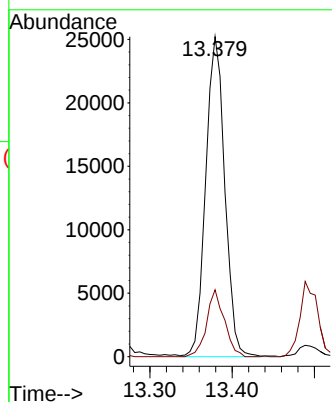
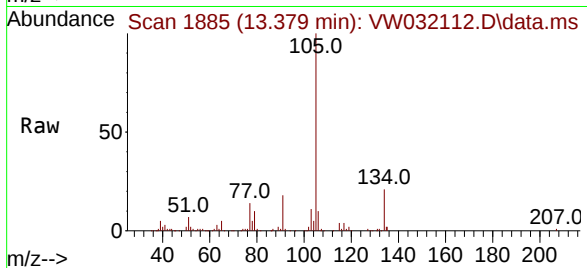
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:105 Resp: 40635

Ion Ratio Lower Upper

105 100

134 19.4 9.9 29.7



#86

p-Isopropyltoluene

Concen: 3.139 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW032112.D

Acq: 22 Aug 2025 15:45

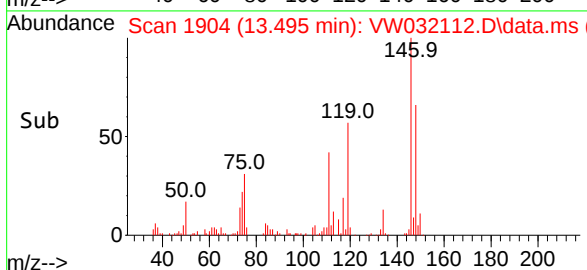
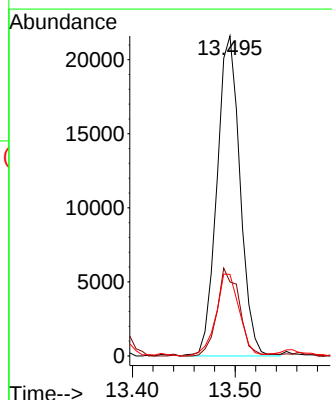
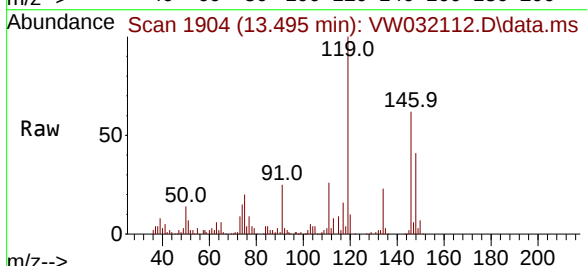
Tgt Ion:119 Resp: 33692

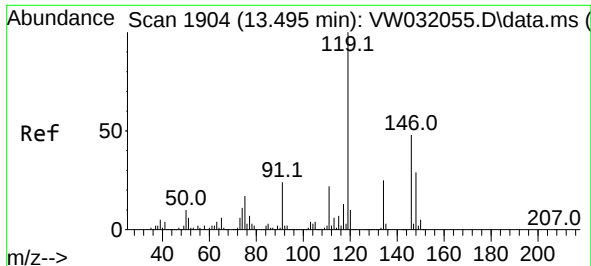
Ion Ratio Lower Upper

119 100

134 26.7 12.4 37.0

91 26.0 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 3.829 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW032112.D

Acq: 22 Aug 2025 15:45

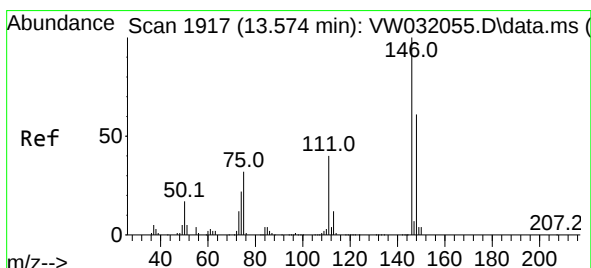
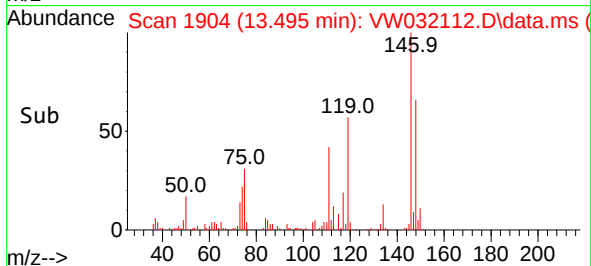
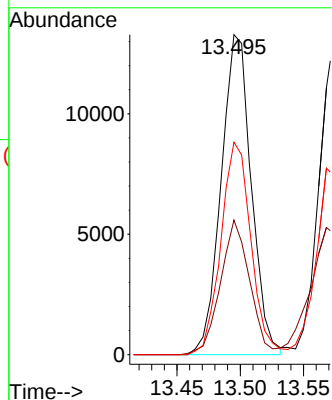
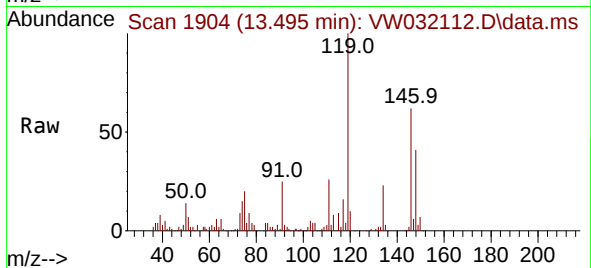
Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:146	Resp:	21994
Ion Ratio	Lower	Upper
146	100	
111	40.7	21.2 63.6
148	66.3	30.3 90.8



#88

1,4-Dichlorobenzene

Concen: 4.030 ug/l

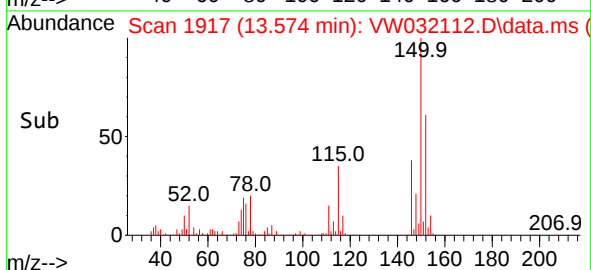
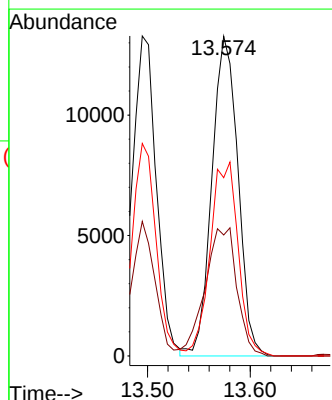
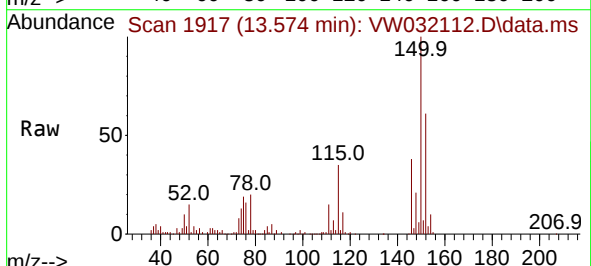
RT: 13.574 min Scan# 1917

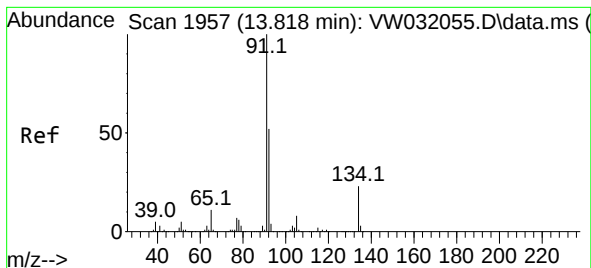
Delta R.T. 0.000 min

Lab File: VW032112.D

Acq: 22 Aug 2025 15:45

Tgt Ion:146	Resp:	23388
Ion Ratio	Lower	Upper
146	100	
111	49.4	21.6 64.6
148	64.9	32.0 96.2





#89

n-Butylbenzene

Concen: 3.252 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VW032112.D

Acq: 22 Aug 2025 15:45

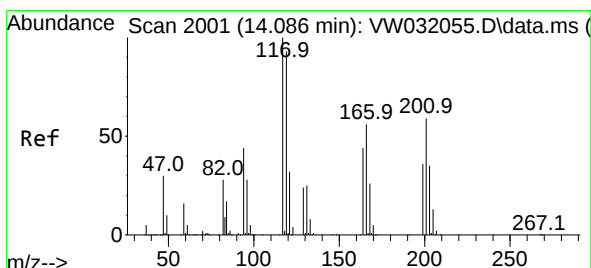
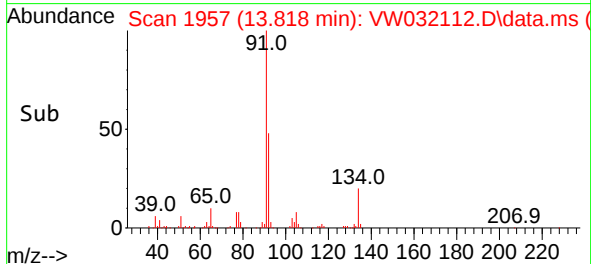
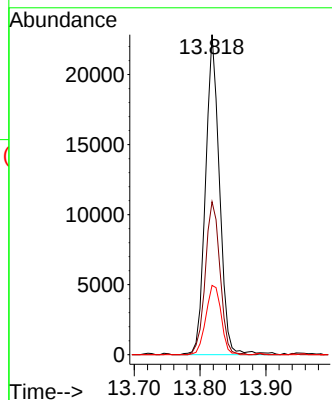
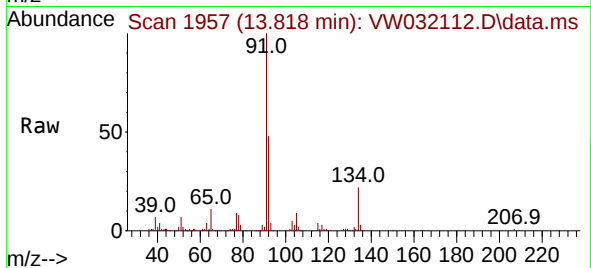
Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:	91	Resp:	33908
Ion	Ratio	Lower	Upper
91	100		
92	50.1	26.7	80.1
134	23.5	12.0	36.1



#90

Hexachloroethane

Concen: 3.676 ug/l

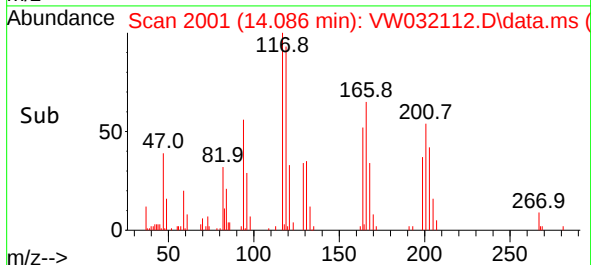
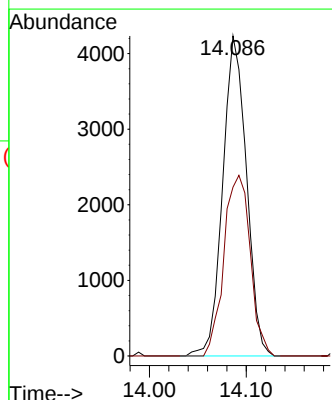
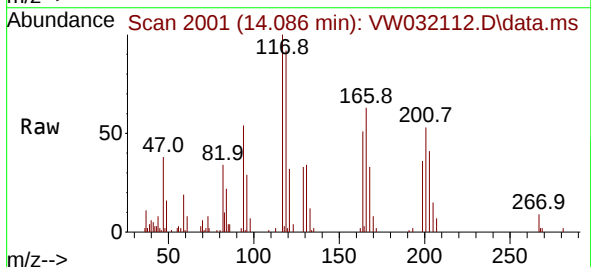
RT: 14.086 min Scan# 2001

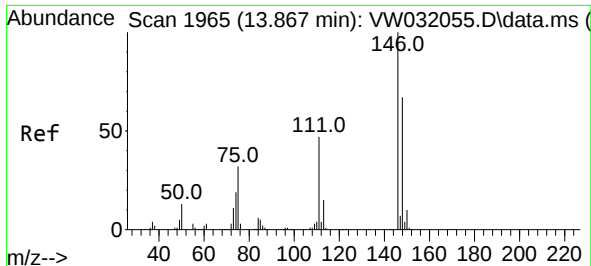
Delta R.T. 0.000 min

Lab File: VW032112.D

Acq: 22 Aug 2025 15:45

Tgt Ion:	117	Resp:	7214
Ion	Ratio	Lower	Upper
117	100		
201	62.6	30.9	92.5





#91

1,2-Dichlorobenzene

Concen: 3.800 ug/l

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW032112.D

Acq: 22 Aug 2025 15:45

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

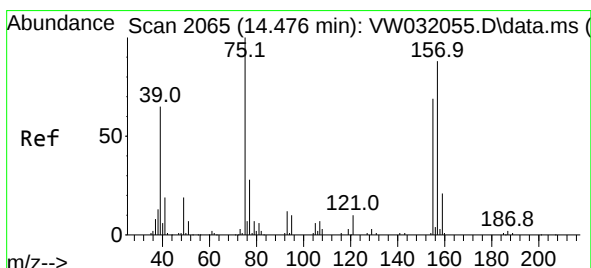
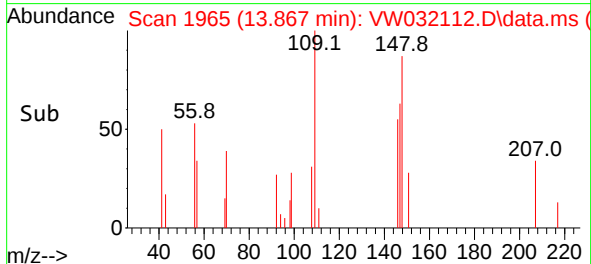
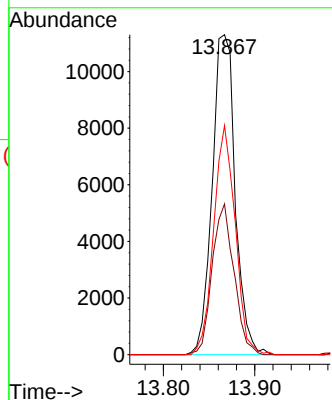
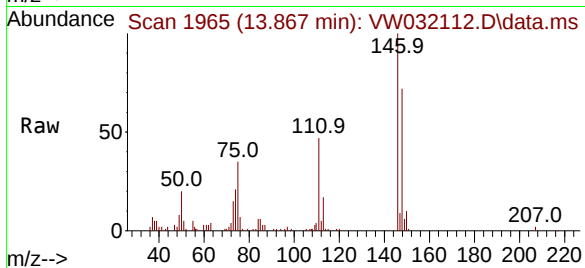
Tgt Ion:146 Resp: 19771

Ion Ratio Lower Upper

146 100

111 44.8 23.1 69.3

148 67.2 32.9 98.6



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.936 ug/l

RT: 14.483 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VW032112.D

Acq: 22 Aug 2025 15:45

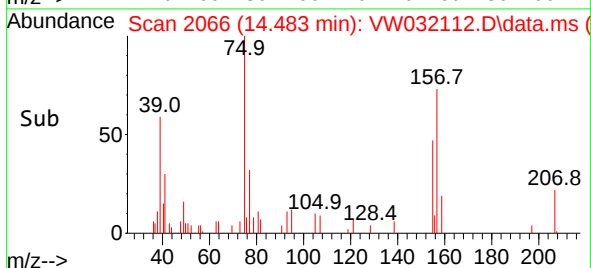
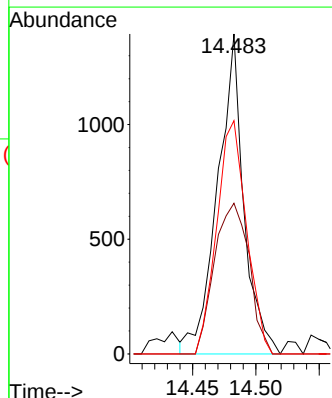
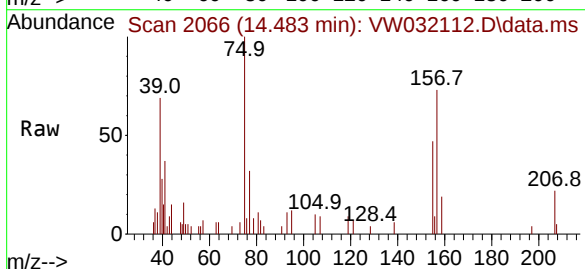
Tgt Ion: 75 Resp: 2008

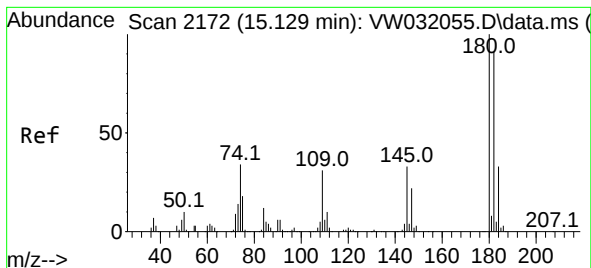
Ion Ratio Lower Upper

75 100

155 62.4 35.2 105.6

157 82.7 47.5 142.6





#93

1,2,4-Trichlorobenzene

Concen: 3.803 ug/l

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW032112.D

Acq: 22 Aug 2025 15:45

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

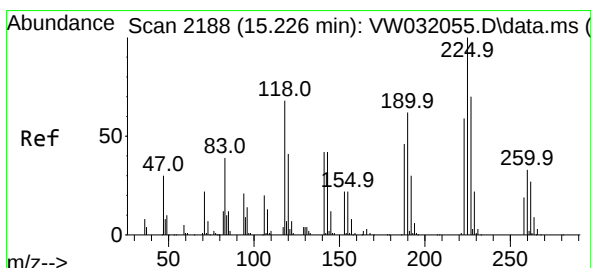
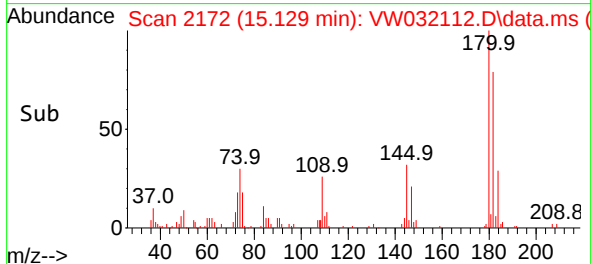
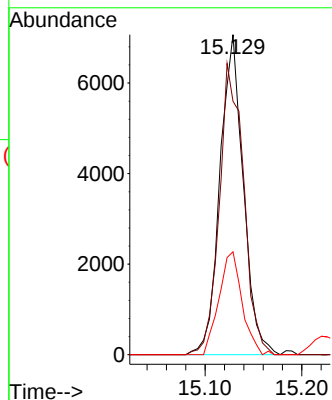
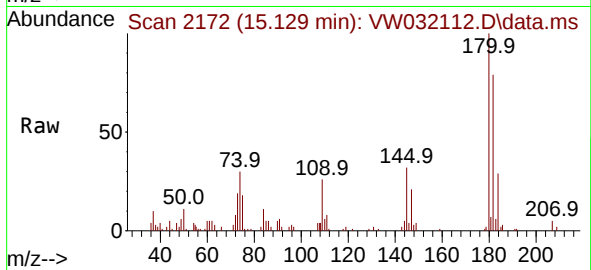
Tgt Ion:180 Resp: 11837

Ion Ratio Lower Upper

180 100

182 94.5 49.0 147.0

145 31.9 17.3 51.9



#94

Hexachlorobutadiene

Concen: 4.290 ug/l

RT: 15.226 min Scan# 2188

Delta R.T. 0.000 min

Lab File: VW032112.D

Acq: 22 Aug 2025 15:45

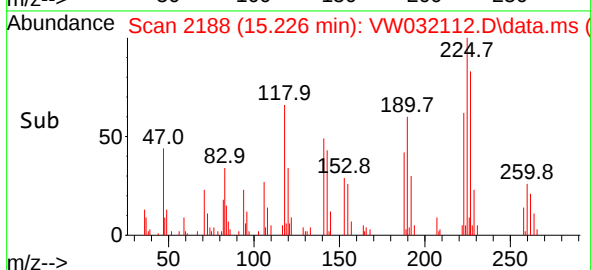
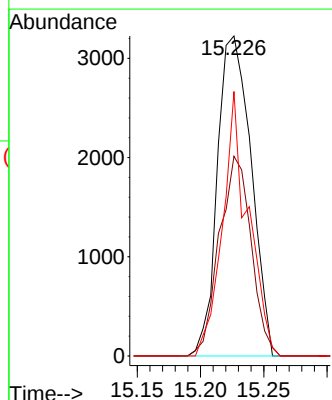
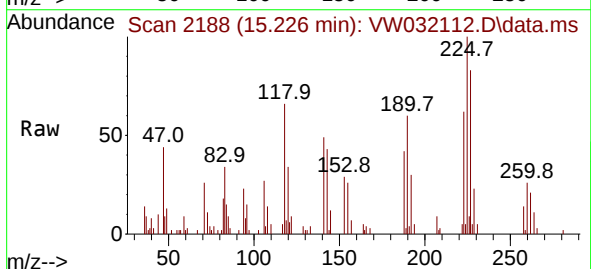
Tgt Ion:225 Resp: 5968

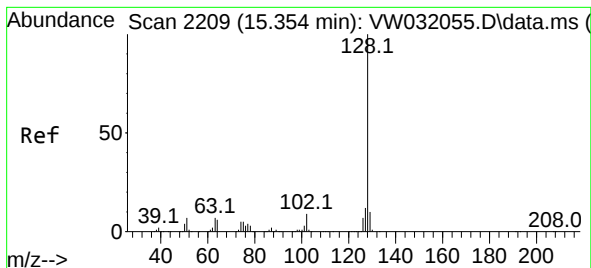
Ion Ratio Lower Upper

225 100

223 59.0 31.8 95.3

227 62.8 33.5 100.5





#95

Naphthalene

Concen: 3.012 ug/l

RT: 15.360 min Scan# 21

Delta R.T. 0.006 min

Lab File: VW032112.D

Acq: 22 Aug 2025 15:45

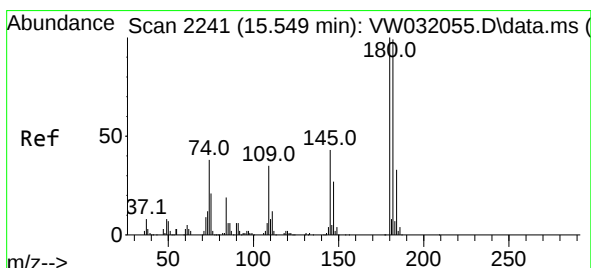
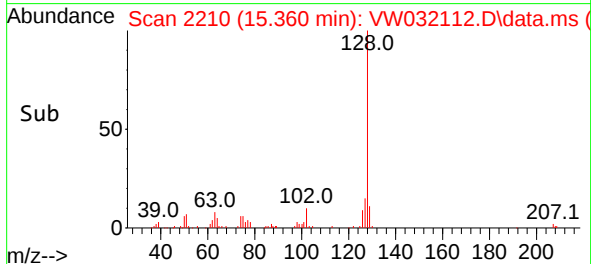
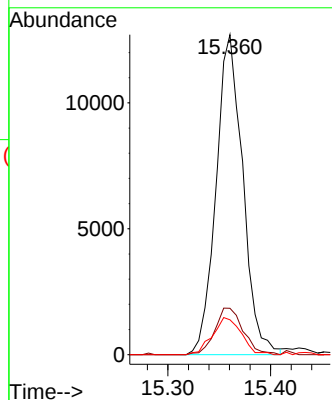
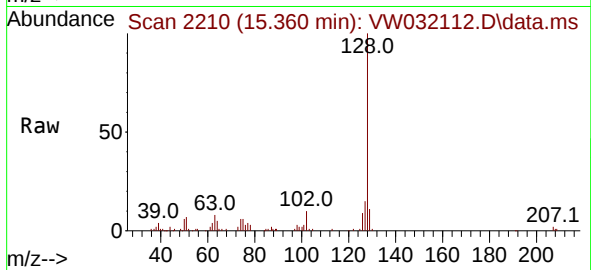
Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:128	Resp:	22969
Ion Ratio	Lower	Upper
128	100	
127	15.4	10.5 15.7
129	12.5	8.2 12.4#



#96

1,2,3-Trichlorobenzene

Concen: 3.961 ug/l

RT: 15.543 min Scan# 2240

Delta R.T. -0.006 min

Lab File: VW032112.D

Acq: 22 Aug 2025 15:45

Tgt Ion:180	Resp:	11216
Ion Ratio	Lower	Upper
180	100	
182	97.3	46.0 138.0
145	35.1	19.2 57.6

