

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111825\
 Data File : VD080536.D
 Acq On : 18 Nov 2025 12:32
 Operator : RP/MD
 Sample : Q3530-01
 Misc : 5.00G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2025

Quant Time: Nov 19 08:24:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111725S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 18 00:45:54 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	283800	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	482086	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	400390	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	176975	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.235	65	115488	48.465	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.940%		
35) Dibromofluoromethane	7.805	113	136738	48.179	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.360%		
50) Toluene-d8	10.264	98	546781	47.623	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.240%		
62) 4-Bromofluorobenzene	12.570	95	154659	46.855	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	93.720%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.935	85	7863	3.718	ug/l	90
3) Chloromethane	2.147	50	13271	3.886	ug/l	97
4) Vinyl Chloride	2.288	62	15341	3.792	ug/l	95
5) Bromomethane	2.694	94	13691	4.564	ug/l	96
6) Chloroethane	2.847	64	11221	4.040	ug/l	96
7) Trichlorofluoromethane	3.182	101	17630	3.829	ug/l	100
8) Diethyl Ether	3.594	74	4413	3.478	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.970	101	11348	3.900	ug/l	95
10) Methyl Iodide	4.176	142	12075	3.228	ug/l #	93
11) Tert butyl alcohol	5.047	59	3816	34.385	ug/l #	83
12) 1,1-Dichloroethene	3.953	96	11629	3.797	ug/l	94
13) Acrolein	3.800	56	3688	19.103	ug/l	94
14) Allyl chloride	4.570	41	16794	3.512	ug/l	92
15) Acrylonitrile	5.270	53	9412	18.377	ug/l #	80
16) Acetone	4.023	43	6895	19.792	ug/l	95
17) Carbon Disulfide	4.282	76	37662	3.822	ug/l	97
18) Methyl Acetate	4.576	43	4444	4.148	ug/l #	83
19) Methyl tert-butyl Ether	5.317	73	21099	3.887	ug/l #	79
20) Methylene Chloride	4.800	84	25012	7.112	ug/l #	82
21) trans-1,2-Dichloroethene	5.317	96	13242	3.878	ug/l	88
22) Diisopropyl ether	6.223	45	32200	3.726	ug/l #	92
23) Vinyl Acetate	6.164	43	80412	17.869	ug/l	100
24) 1,1-Dichloroethane	6.117	63	23360	3.954	ug/l	96
25) 2-Butanone	7.094	43	11203	20.509	ug/l #	61
26) 2,2-Dichloropropane	7.082	77	20653	4.064	ug/l	96
27) cis-1,2-Dichloroethene	7.082	96	14996	3.769	ug/l	94
28) Bromochloromethane	7.435	49	8055	3.725	ug/l #	89
29) Tetrahydrofuran	7.447	42	3745	10.291	ug/l #	66
30) Chloroform	7.600	83	23349	4.030	ug/l	85
31) Cyclohexane	7.876	56	23916	4.226	ug/l #	71
32) 1,1,1-Trichloroethane	7.788	97	19893	3.908	ug/l	99
36) 1,1-Dichloropropene	8.011	75	16462	3.752	ug/l	97
37) Ethyl Acetate	7.188	43	3826	2.883	ug/l #	69
38) Carbon Tetrachloride	7.994	117	17390	3.944	ug/l	97
39) Methylcyclohexane	9.276	83	22225	3.839	ug/l	90
40) Benzene	8.252	78	50761	3.736	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.400	41	2214	2.554	ug/l #	70
42) 1,2-Dichloroethane	8.323	62	11929	4.207	ug/l	99
43) Isopropyl Acetate	8.358	43	9565	3.674	ug/l #	77
44) Trichloroethene	9.029	130	12817	3.732	ug/l	87
45) 1,2-Dichloropropane	9.305	63	12136	3.902	ug/l #	83
46) Dibromomethane	9.394	93	6352	4.140	ug/l	96
47) Bromodichloromethane	9.582	83	16136	3.894	ug/l	96
48) Methyl methacrylate	9.382	41	4322	3.345	ug/l #	91
49) 1,4-Dioxane	9.382	88	982	68.664	ug/l #	87
51) 4-Methyl-2-Pentanone	10.158	43	22249	18.421	ug/l	99
52) Toluene	10.335	92	32690	3.805	ug/l	96
53) t-1,3-Dichloropropene	10.552	75	13750	3.745	ug/l	99
54) cis-1,3-Dichloropropene	10.017	75	17822	3.764	ug/l	98
55) 1,1,2-Trichloroethane	10.729	97	7665	3.905	ug/l	94
56) Ethyl methacrylate	10.599	69	8367	3.695	ug/l	93
57) 1,3-Dichloropropane	10.882	76	12248	3.579	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.870	63	23652	18.614	ug/l	98
59) 2-Hexanone	10.917	43	14682	17.388	ug/l	99
60) Dibromochloromethane	11.076	129	10115	3.878	ug/l	98
61) 1,2-Dibromoethane	11.176	107	7053	3.736	ug/l	91
64) Tetrachloroethene	10.811	164	11656	4.047	ug/l #	87
65) Chlorobenzene	11.605	112	35832	4.019	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.676	131	10965	3.932	ug/l	98
67) Ethyl Benzene	11.682	91	61245	3.790	ug/l	99
68) m/p-Xylenes	11.793	106	46356	7.500	ug/l	99
69) o-Xylene	12.117	106	21484	3.760	ug/l	100
70) Styrene	12.135	104	35631	3.778	ug/l	98
71) Bromoform	12.299	173	5296	4.066	ug/l #	92
73) Isopropylbenzene	12.417	105	56472	3.759	ug/l	99
74) N-amyl acetate	12.235	43	8686	3.730	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.670	83	7523	3.993	ug/l	97
76) 1,2,3-Trichloropropane	12.729	75	10437	7.572	ug/l #	100
77) Bromobenzene	12.699	156	12376	3.881	ug/l	97
78) n-propylbenzene	12.758	91	69108	3.835	ug/l	99
79) 2-Chlorotoluene	12.846	91	38352	3.868	ug/l	98
80) 1,3,5-Trimethylbenzene	12.899	105	42813	3.605	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.470	75	2671	3.700	ug/l	90
82) 4-Chlorotoluene	12.946	91	37085	3.679	ug/l	98
83) tert-Butylbenzene	13.164	119	41334	3.871	ug/l	98
84) 1,2,4-Trimethylbenzene	13.211	105	44688	3.824	ug/l	98
85) sec-Butylbenzene	13.340	105	59520	3.765	ug/l	99
86) p-Isopropyltoluene	13.458	119	48189	3.676	ug/l	97
87) 1,3-Dichlorobenzene	13.458	146	24239	3.826	ug/l	96
88) 1,4-Dichlorobenzene	13.535	146	24055	3.883	ug/l	90
89) n-Butylbenzene	13.787	91	45693	3.655	ug/l	97
90) Hexachloroethane	14.052	117	9751	3.813	ug/l	95
91) 1,2-Dichlorobenzene	13.829	146	20664	3.947	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.452	75	908	3.500	ug/l	96
93) 1,2,4-Trichlorobenzene	15.093	180	12981	4.015	ug/l	99
94) Hexachlorobutadiene	15.205	225	6911	3.839	ug/l	97
95) Naphthalene	15.334	128	20796	3.952	ug/l	96
96) 1,2,3-Trichlorobenzene	15.517	180	10802	4.124	ug/l	99

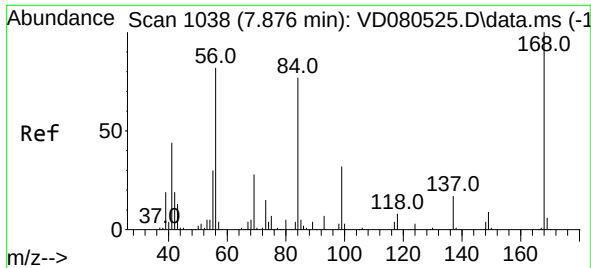
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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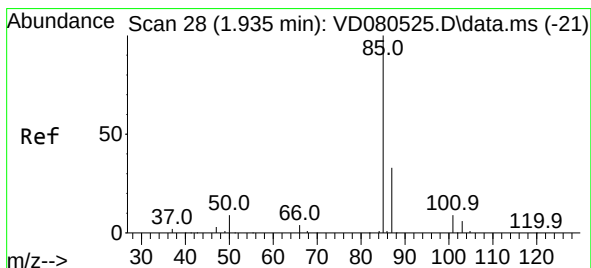
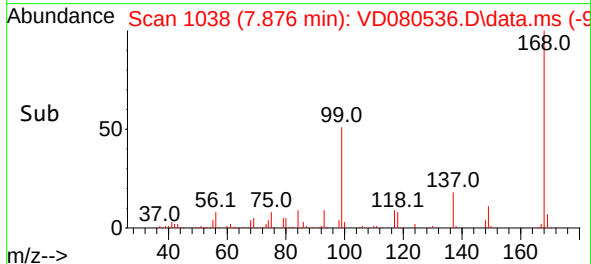
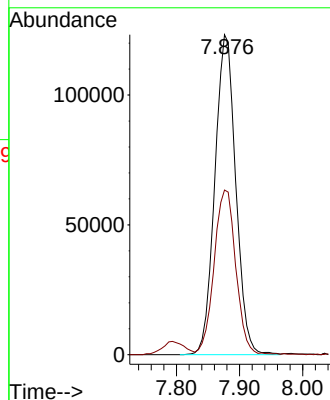
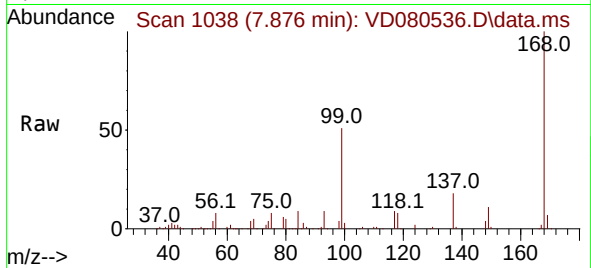
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

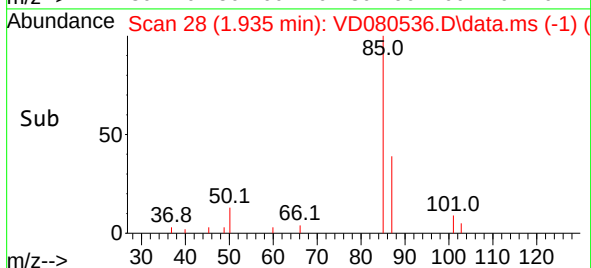
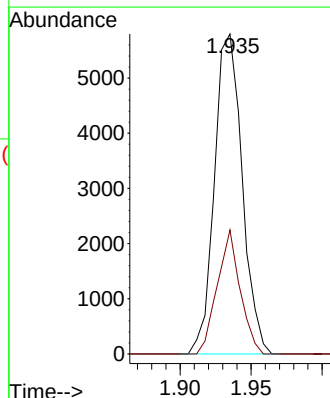
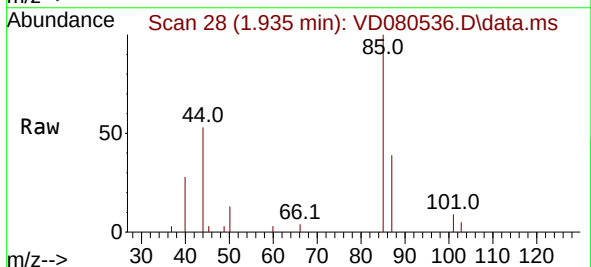
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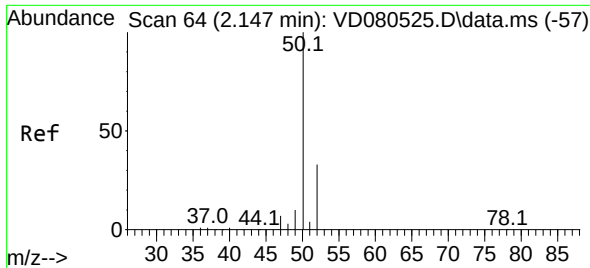
Tgt Ion:168 Resp: 283800
Ion Ratio Lower Upper
168 100
99 51.3 42.5 63.7



#2
Dichlorodifluoromethane
Concen: 3.718 ug/l
RT: 1.935 min Scan# 28
Delta R.T. 0.000 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

Tgt Ion: 85 Resp: 7863
Ion Ratio Lower Upper
85 100
87 38.7 16.5 49.5

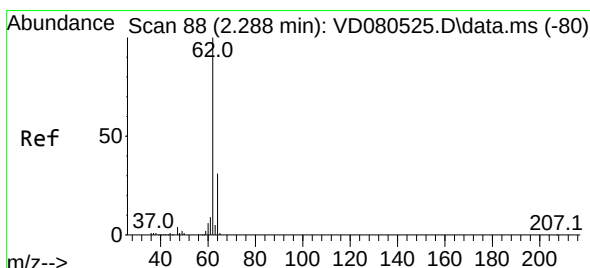
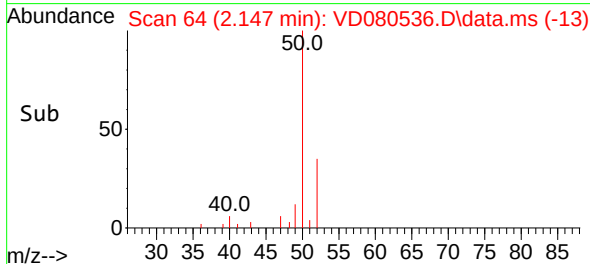
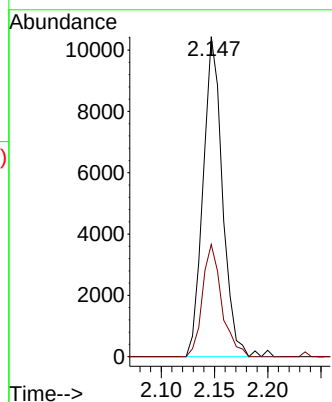
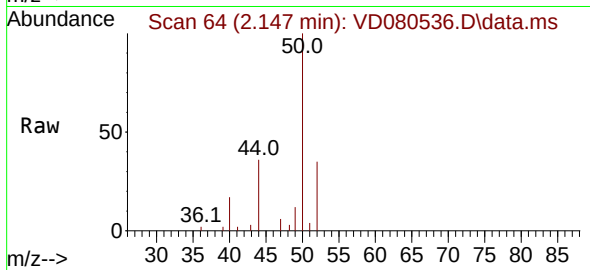




#3
Chloromethane
Concen: 3.886 ug/l
RT: 2.147 min Scan# 64
Delta R.T. 0.000 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

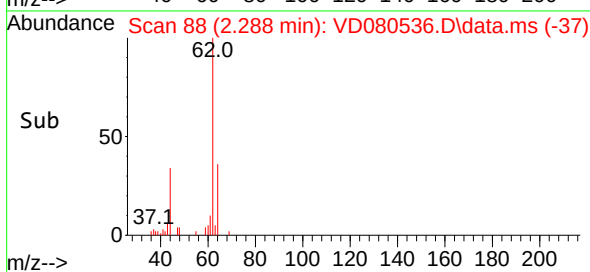
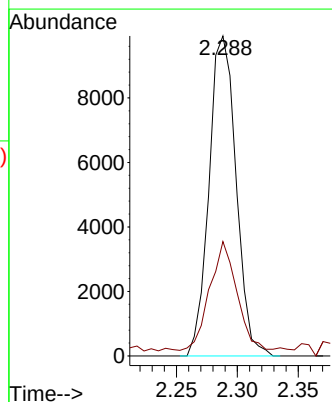
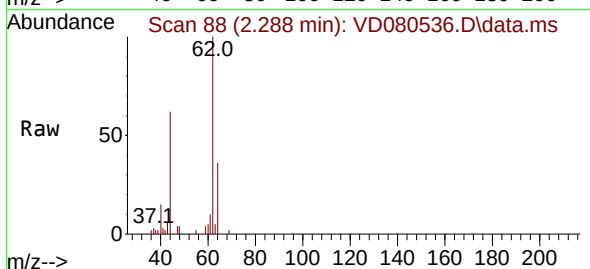
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

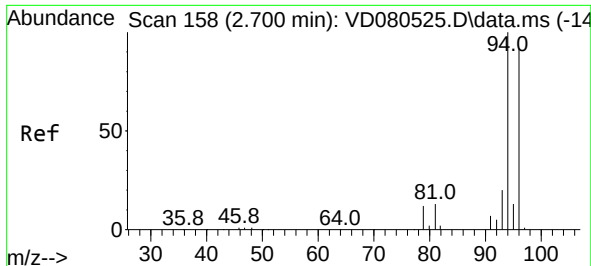
Tgt Ion: 50 Resp: 13271
Ion Ratio Lower Upper
50 100
52 35.0 26.5 39.7



#4
Vinyl Chloride
Concen: 3.792 ug/l
RT: 2.288 min Scan# 88
Delta R.T. 0.000 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

Tgt Ion: 62 Resp: 15341
Ion Ratio Lower Upper
62 100
64 34.0 25.0 37.6

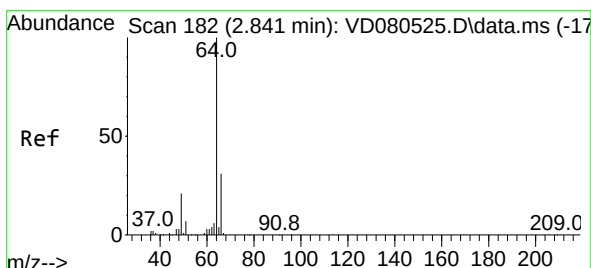
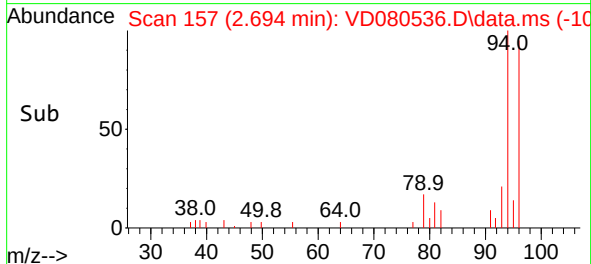
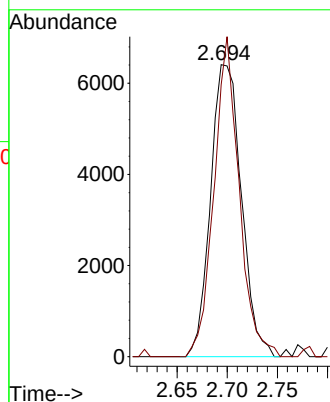
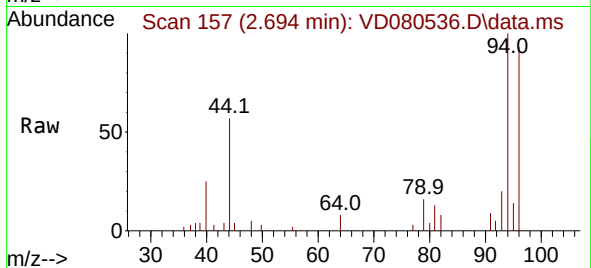




#5
Bromomethane
Concen: 4.564 ug/l
RT: 2.694 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

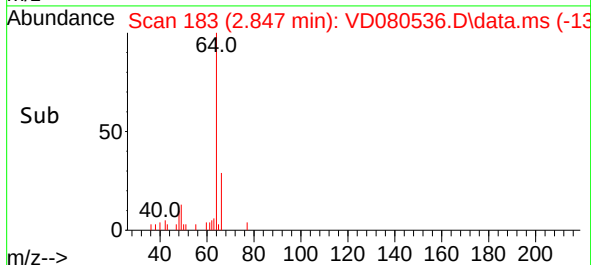
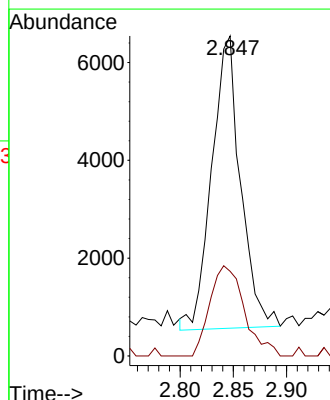
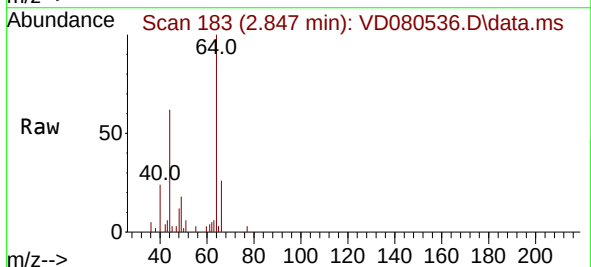
Instrument :
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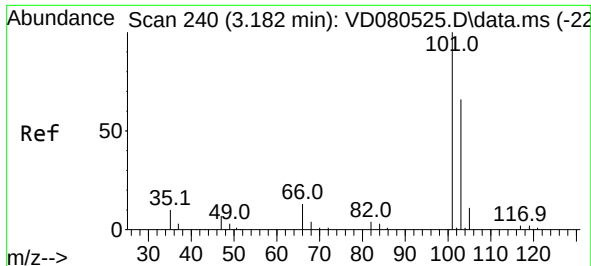
Tgt Ion: 94 Resp: 13691
Ion Ratio Lower Upper
94 100
96 89.7 74.6 112.0



#6
Chloroethane
Concen: 4.040 ug/l
RT: 2.847 min Scan# 183
Delta R.T. 0.006 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

Tgt Ion: 64 Resp: 11221
Ion Ratio Lower Upper
64 100
66 29.2 25.0 37.6

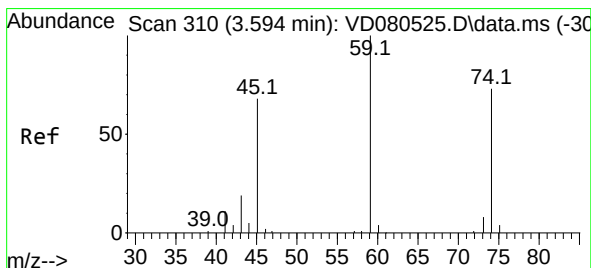
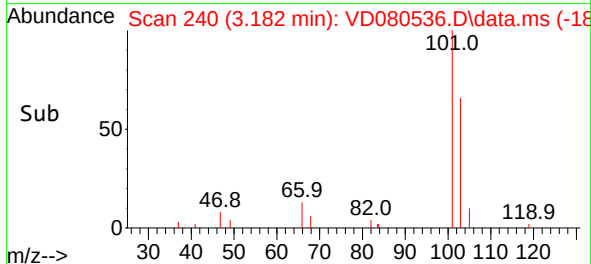
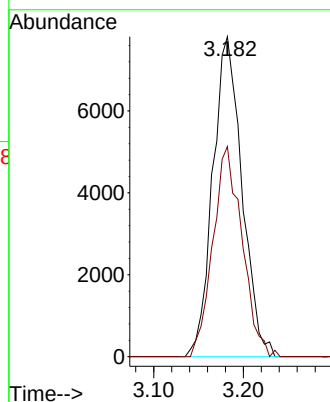
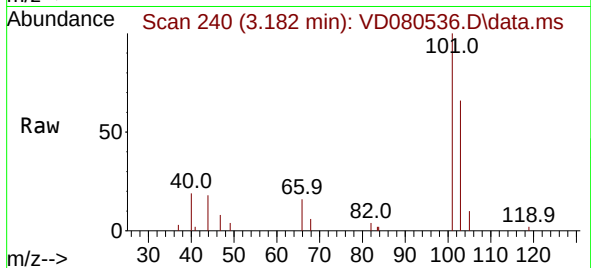




#7
 Trichlorofluoromethane
 Concen: 3.829 ug/l
 RT: 3.182 min Scan# 240
 Delta R.T. 0.000 min
 Lab File: VD080536.D
 Acq: 18 Nov 2025 12:32

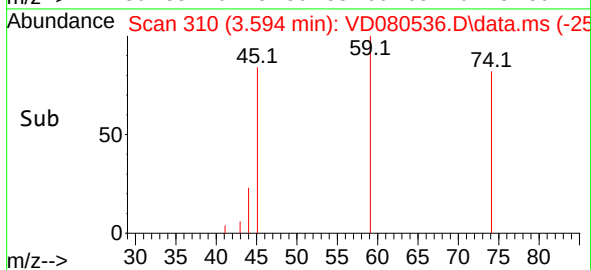
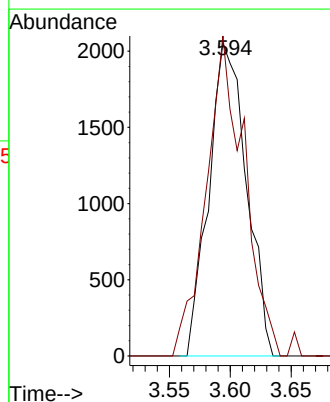
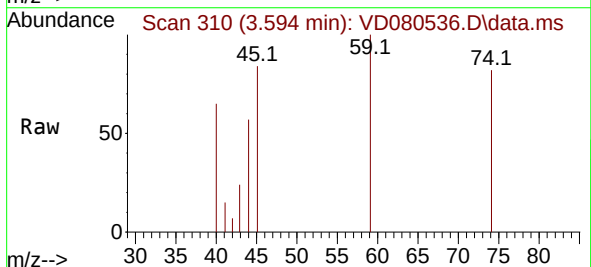
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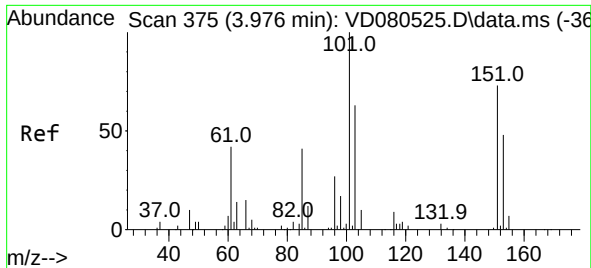
Tgt Ion:101 Resp: 17630
 Ion Ratio Lower Upper
 101 100
 103 65.7 52.6 78.8



#8
 Diethyl Ether
 Concen: 3.478 ug/l
 RT: 3.594 min Scan# 310
 Delta R.T. 0.000 min
 Lab File: VD080536.D
 Acq: 18 Nov 2025 12:32

Tgt Ion: 74 Resp: 4413
 Ion Ratio Lower Upper
 74 100
 45 103.7 46.9 140.7

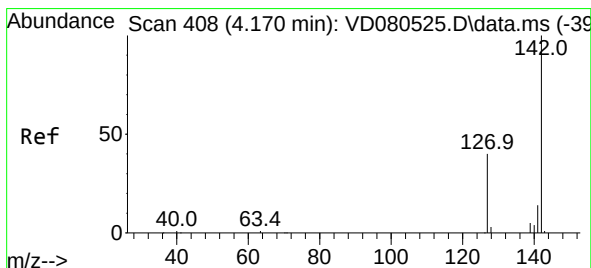
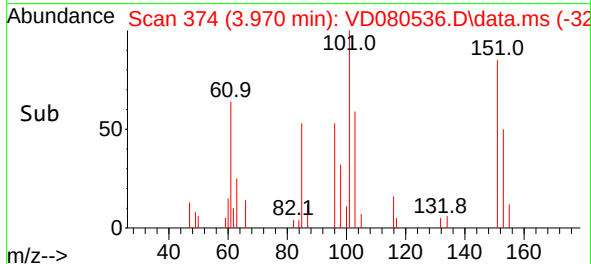
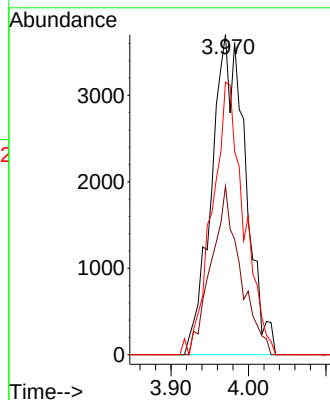
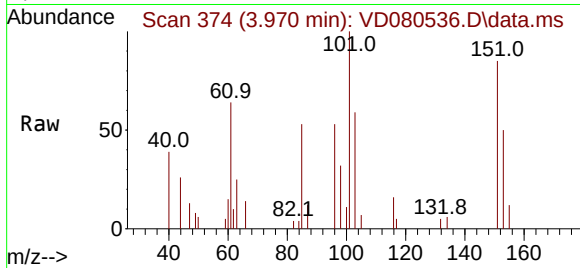




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 3.900 ug/l
 RT: 3.970 min Scan# 31
 Delta R.T. -0.006 min
 Lab File: VD080536.D
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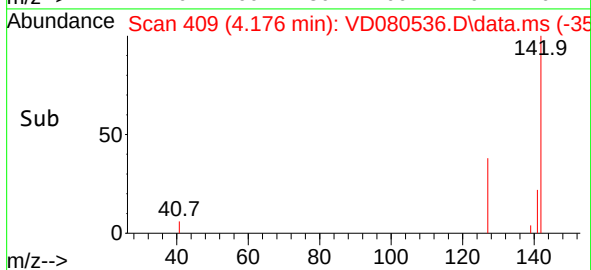
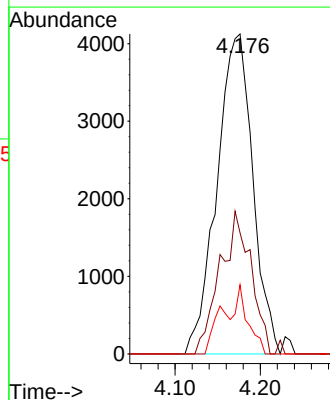
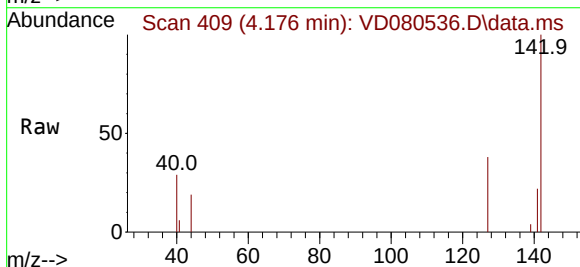
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 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2025

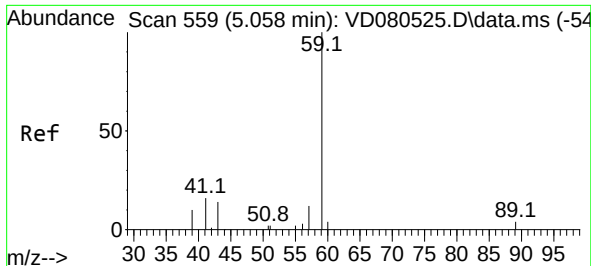
Tgt Ion:101	Resp:	11348
Ion	Ratio	Lower Upper
101	100	
85	44.6	33.8 50.6
151	79.1	59.6 89.4



#10
 Methyl Iodide
 Concen: 3.228 ug/l
 RT: 4.176 min Scan# 409
 Delta R.T. 0.006 min
 Lab File: VD080536.D
 Acq: 18 Nov 2025 12:32

Tgt Ion:142	Resp:	12075
Ion	Ratio	Lower Upper
142	100	
127	38.7	32.6 49.0
141	7.8	11.4 17.2#





#11

Tert butyl alcohol

Concen: 34.385 ug/l

RT: 5.047 min Scan# 51

Delta R.T. -0.012 min

Lab File: VD080536.D

Acq: 18 Nov 2025 12:32

Instrument :

MSVOA_D

ClientSampleId :

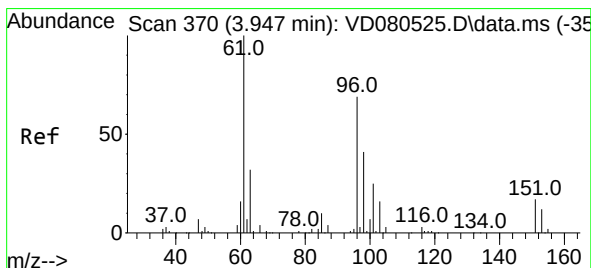
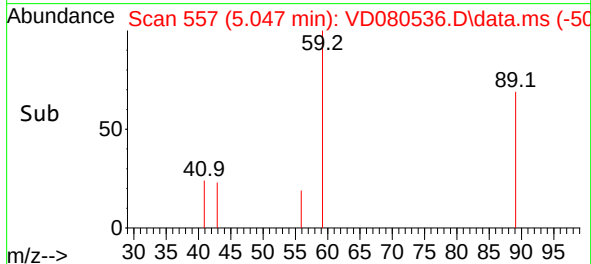
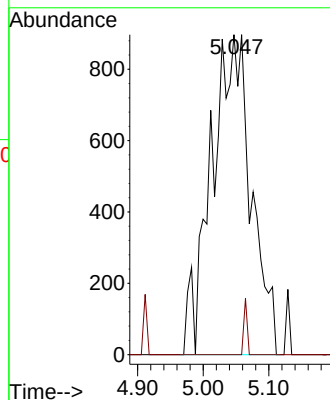
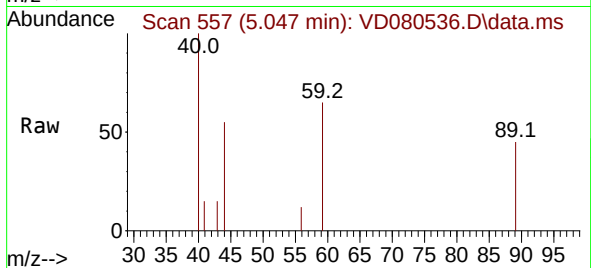
LOD-MDL-SOIL-01-QT4-2025

Tgt Ion: 59 Resp: 3816

Ion Ratio Lower Upper

59 100

57 0.0 4.5 6.7#



#12

1,1-Dichloroethene

Concen: 3.797 ug/l

RT: 3.953 min Scan# 371

Delta R.T. 0.006 min

Lab File: VD080536.D

Acq: 18 Nov 2025 12:32

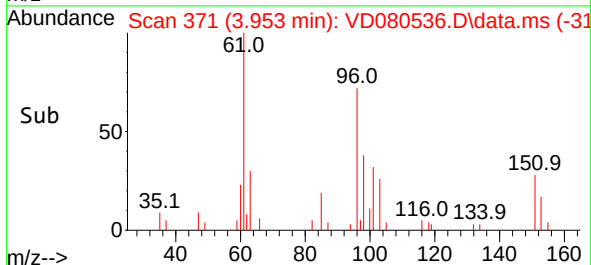
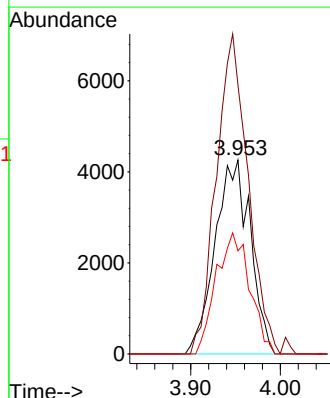
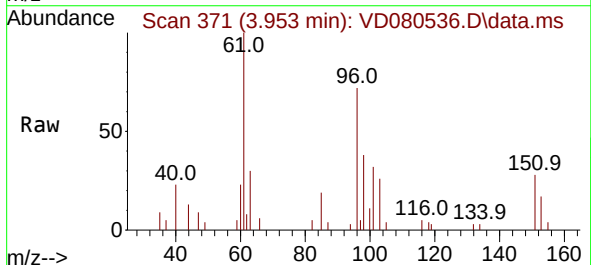
Tgt Ion: 96 Resp: 11629

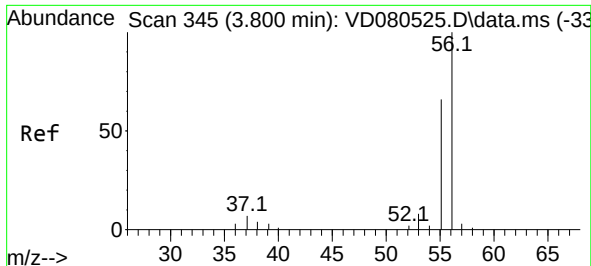
Ion Ratio Lower Upper

96 100

61 138.6 116.2 174.2

98 53.2 47.6 71.4





#13

Acrolein

Concen: 19.103 ug/l

RT: 3.800 min Scan# 34

Delta R.T. 0.000 min

Lab File: VD080536.D

Acq: 18 Nov 2025 12:32

Instrument :

MSVOA_D

ClientSampleId :

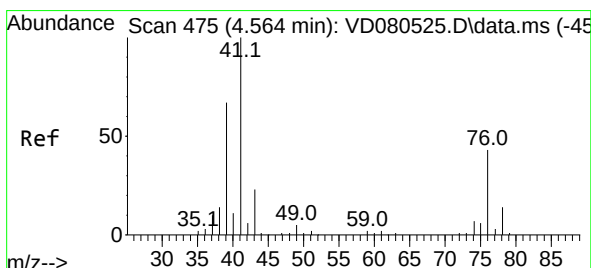
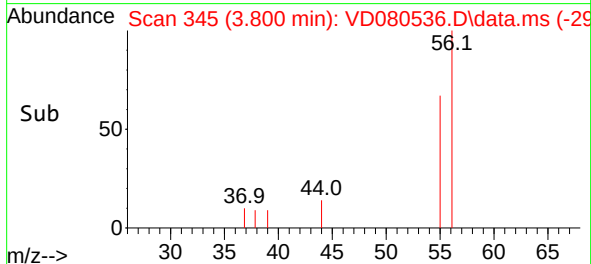
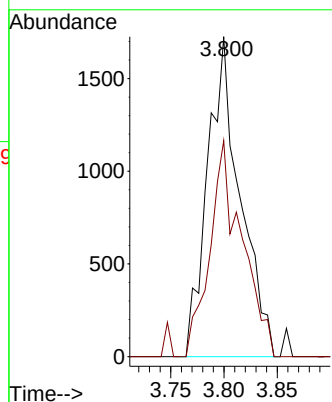
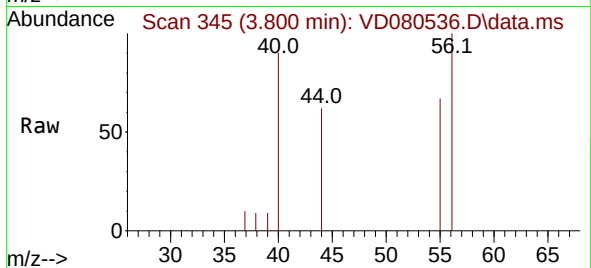
LOD-MDL-SOIL-01-QT4-2025

Tgt Ion: 56 Resp: 3688

Ion Ratio Lower Upper

56 100

55 66.4 57.2 85.8



#14

Allyl chloride

Concen: 3.512 ug/l

RT: 4.570 min Scan# 476

Delta R.T. 0.006 min

Lab File: VD080536.D

Acq: 18 Nov 2025 12:32

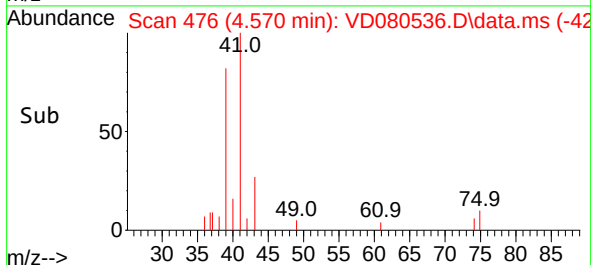
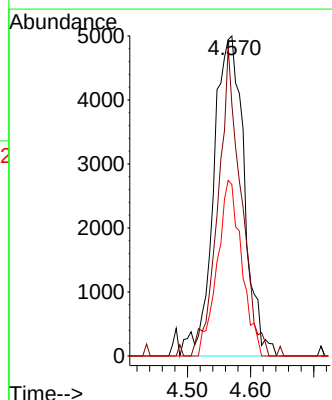
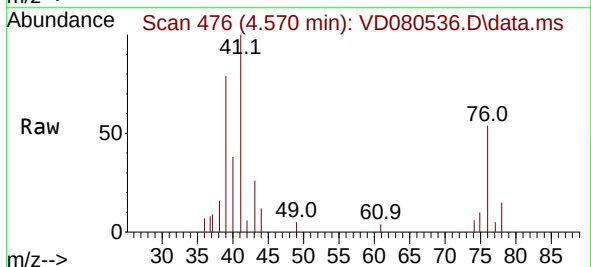
Tgt Ion: 41 Resp: 16794

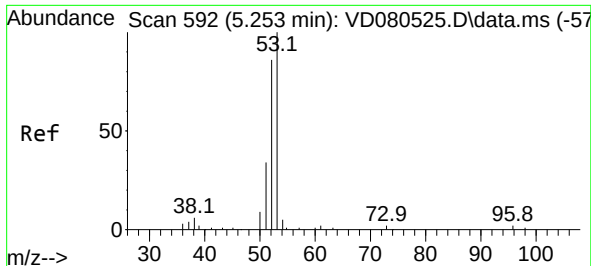
Ion Ratio Lower Upper

41 100

39 72.2 51.4 77.2

76 44.0 32.6 48.8

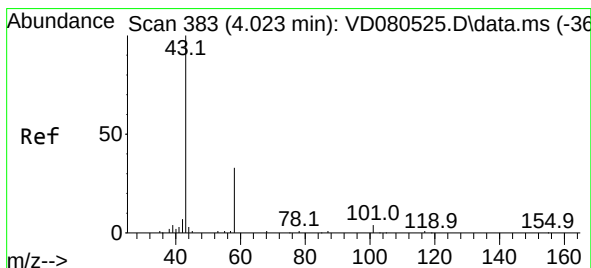
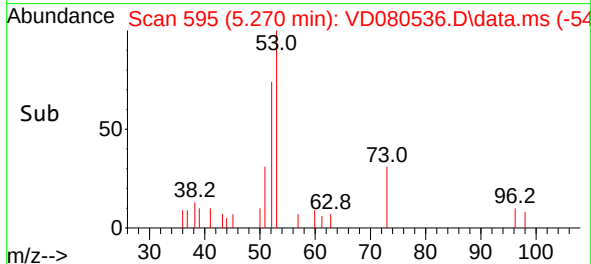
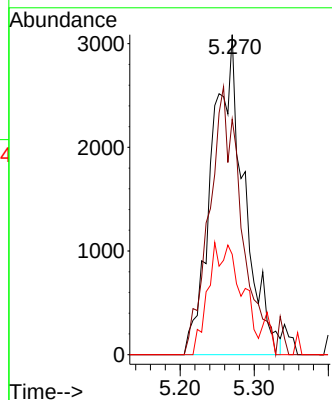
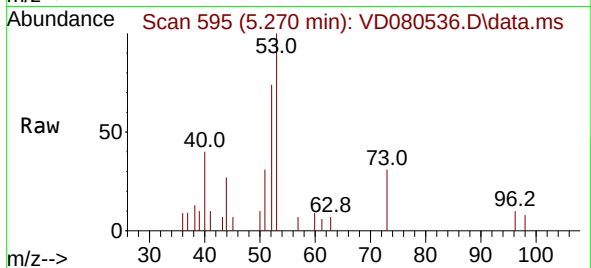




#15
Acrylonitrile
Concen: 18.377 ug/l
RT: 5.270 min Scan# 595
Delta R.T. 0.018 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

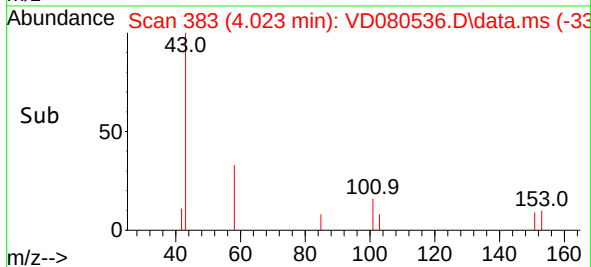
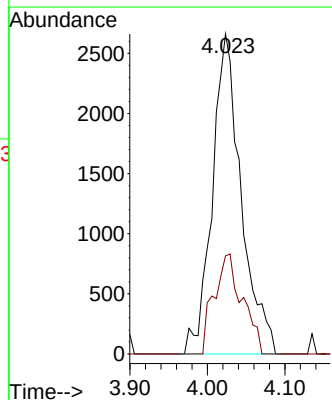
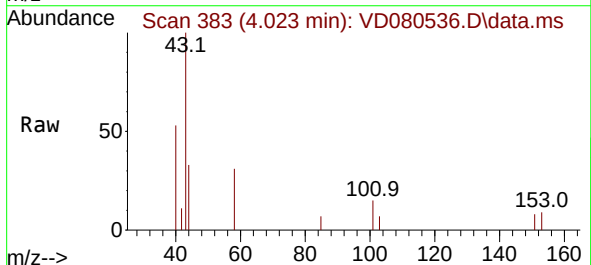
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

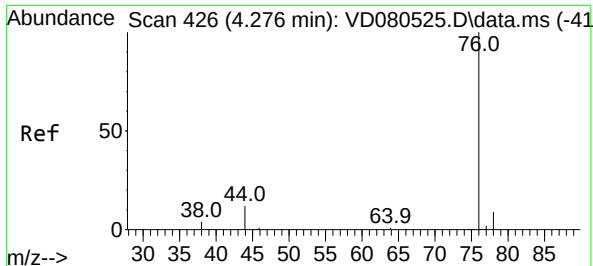
Tgt Ion: 53 Resp: 9412
Ion Ratio Lower Upper
53 100
52 82.4 64.9 97.3
51 0.0 28.8 43.2#



#16
Acetone
Concen: 19.792 ug/l
RT: 4.023 min Scan# 383
Delta R.T. 0.000 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

Tgt Ion: 43 Resp: 6895
Ion Ratio Lower Upper
43 100
58 30.6 26.6 40.0





#17

Carbon Disulfide

Concen: 3.822 ug/l

RT: 4.282 min Scan# 41

Delta R.T. 0.006 min

Lab File: VD080536.D

Acq: 18 Nov 2025 12:32

Instrument :

MSVOA_D

ClientSampleId :

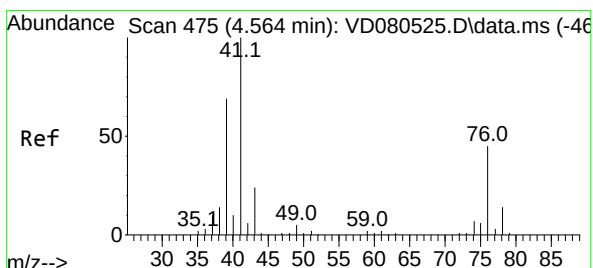
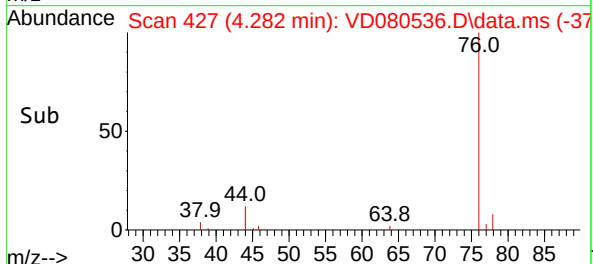
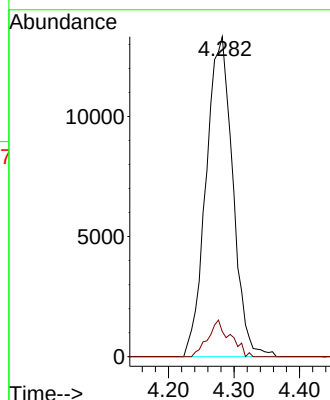
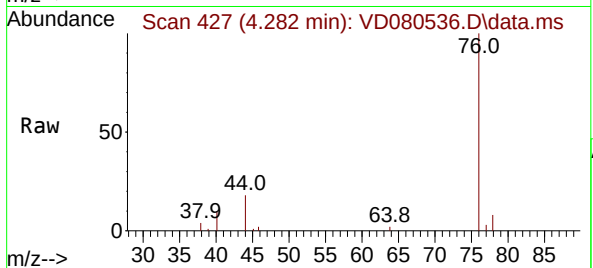
LOD-MDL-SOIL-01-QT4-2025

Tgt Ion: 76 Resp: 37662

Ion Ratio Lower Upper

76 100

78 7.8 7.0 10.6



#18

Methyl Acetate

Concen: 4.148 ug/l

RT: 4.576 min Scan# 477

Delta R.T. 0.012 min

Lab File: VD080536.D

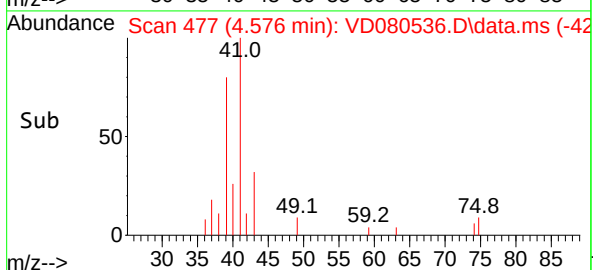
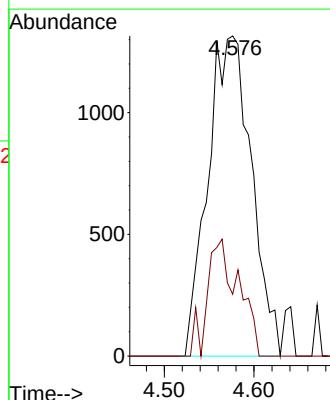
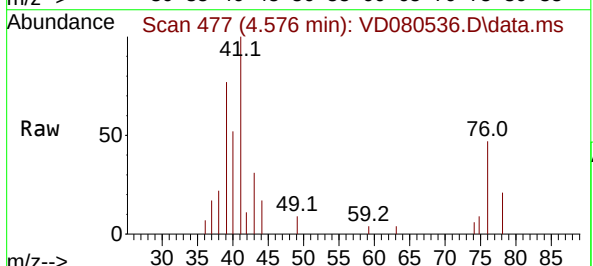
Acq: 18 Nov 2025 12:32

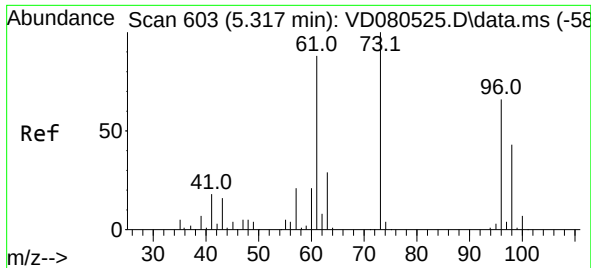
Tgt Ion: 43 Resp: 4444

Ion Ratio Lower Upper

43 100

74 18.4 21.7 32.5#

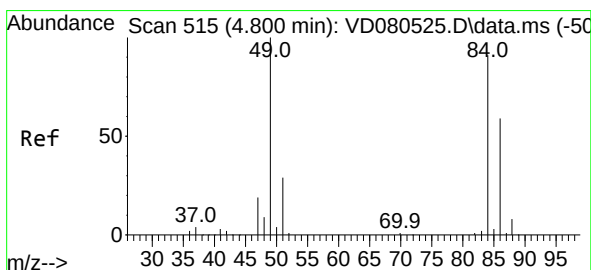
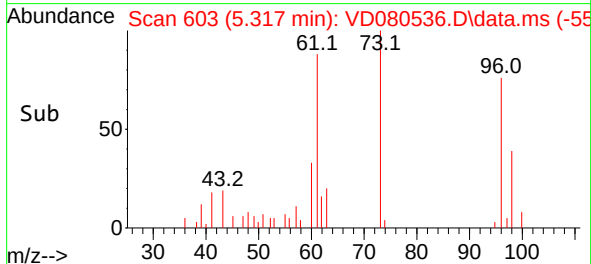
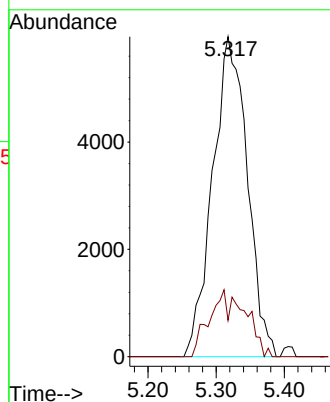
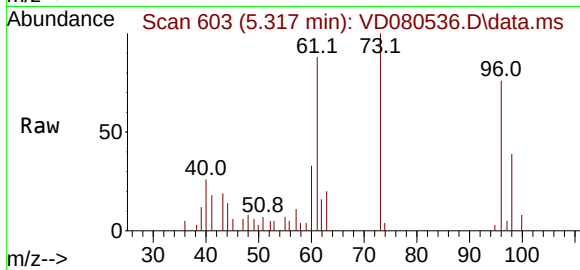




#19
Methyl tert-butyl Ether
Concen: 3.887 ug/l
RT: 5.317 min Scan# 603
Delta R.T. 0.000 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

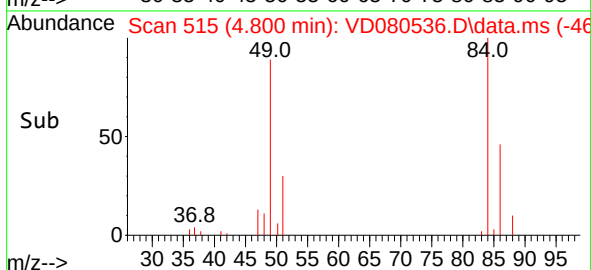
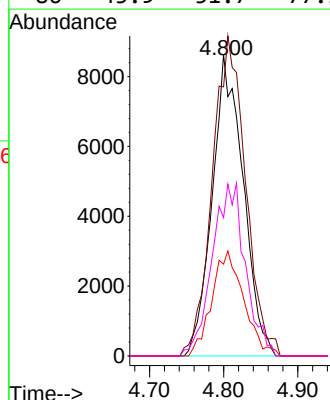
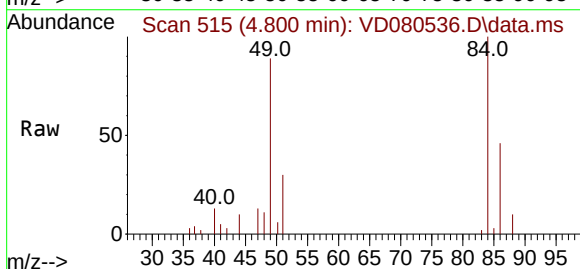
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

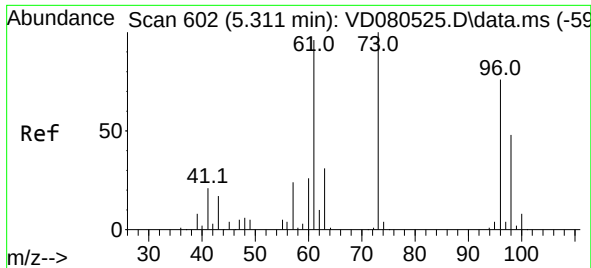
Tgt Ion: 73 Resp: 21099
Ion Ratio Lower Upper
73 100
57 11.3 17.1 25.7#



#20
Methylene Chloride
Concen: 7.112 ug/l
RT: 4.800 min Scan# 515
Delta R.T. 0.000 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

Tgt Ion: 84 Resp: 25012
Ion Ratio Lower Upper
84 100
49 89.3 87.9 131.9
51 30.5 25.4 38.2
86 45.9 51.7 77.5#

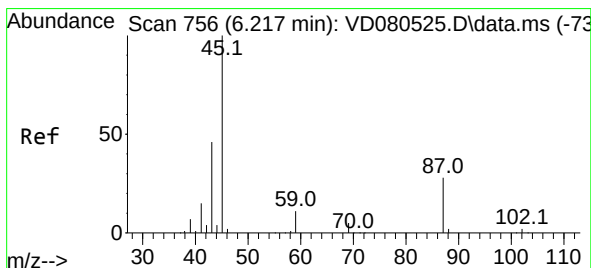
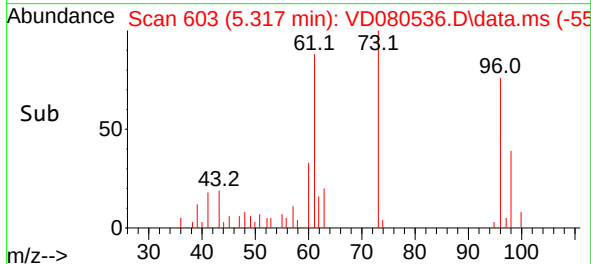
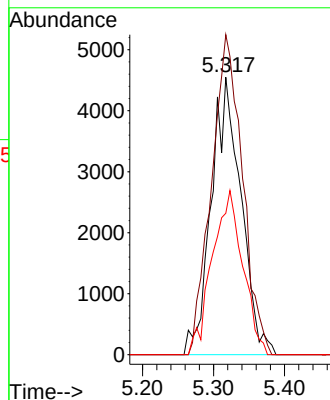
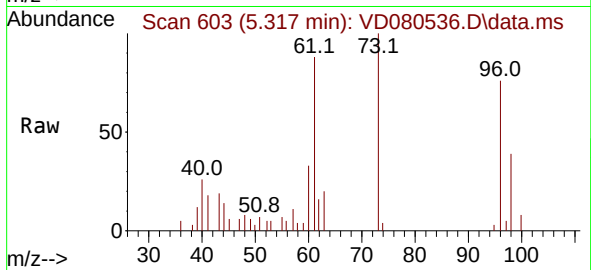




#21
trans-1,2-Dichloroethene
Concen: 3.878 ug/l
RT: 5.317 min Scan# 602
Delta R.T. 0.006 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

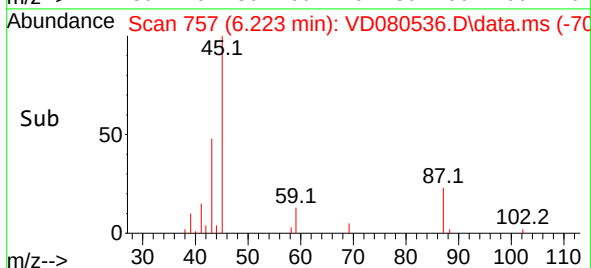
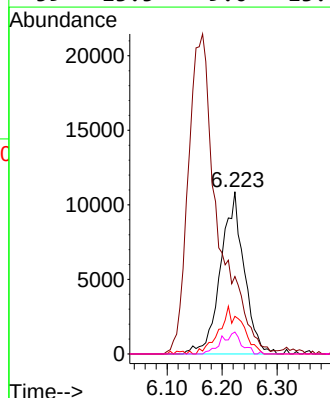
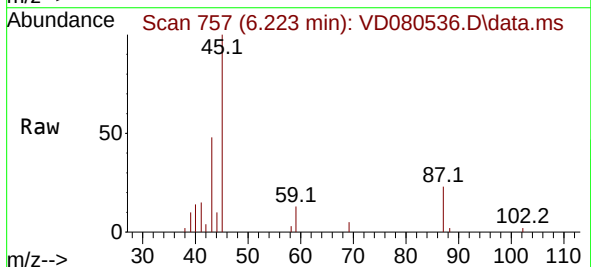
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

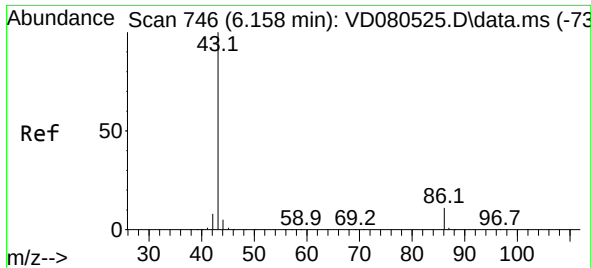
Tgt Ion: 96 Resp: 13242
Ion Ratio Lower Upper
96 100
61 115.3 102.0 153.0
98 51.0 50.5 75.7



#22
Diisopropyl ether
Concen: 3.726 ug/l
RT: 6.223 min Scan# 757
Delta R.T. 0.006 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

Tgt Ion: 45 Resp: 32200
Ion Ratio Lower Upper
45 100
43 45.6 40.6 60.8
87 23.2 23.0 34.6
59 13.5 9.0 13.4#

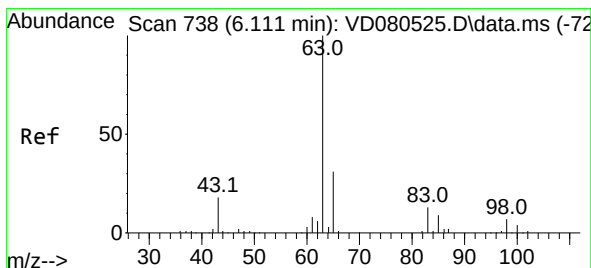
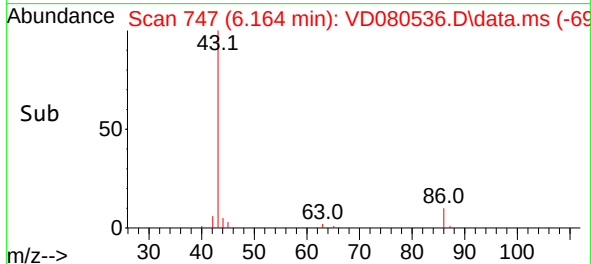
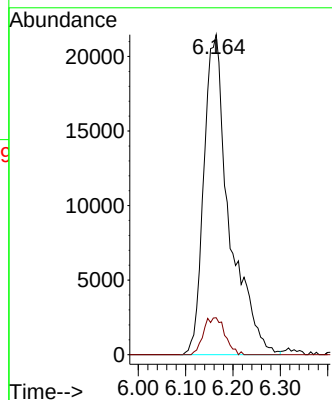
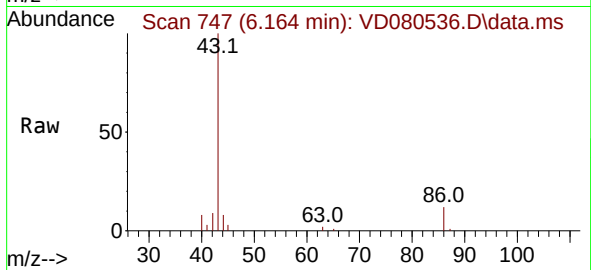




#23
 Vinyl Acetate
 Concen: 17.869 ug/l
 RT: 6.164 min Scan# 746
 Delta R.T. 0.006 min
 Lab File: VD080536.D
 Acq: 18 Nov 2025 12:32

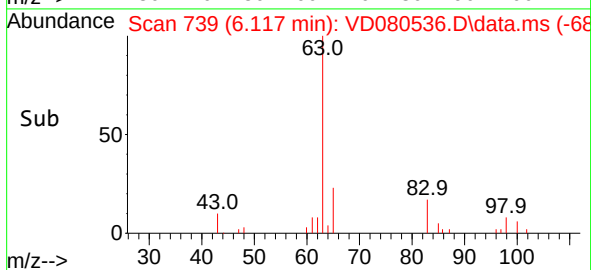
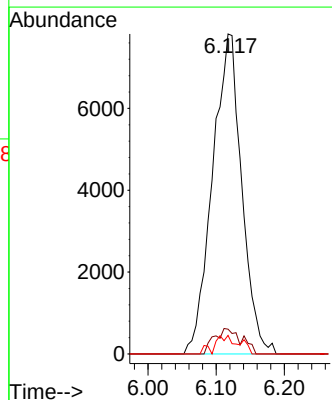
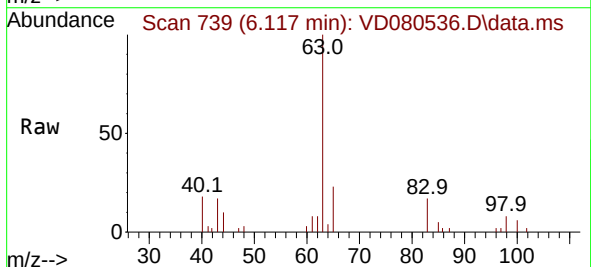
Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2025

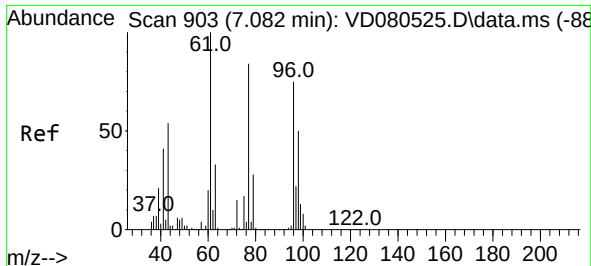
Tgt Ion: 43 Resp: 80412
 Ion Ratio Lower Upper
 43 100
 86 11.6 9.1 13.7



#24
 1,1-Dichloroethane
 Concen: 3.954 ug/l
 RT: 6.117 min Scan# 739
 Delta R.T. 0.006 min
 Lab File: VD080536.D
 Acq: 18 Nov 2025 12:32

Tgt Ion: 63 Resp: 23360
 Ion Ratio Lower Upper
 63 100
 98 7.8 3.5 10.4
 100 5.8 2.0 6.0

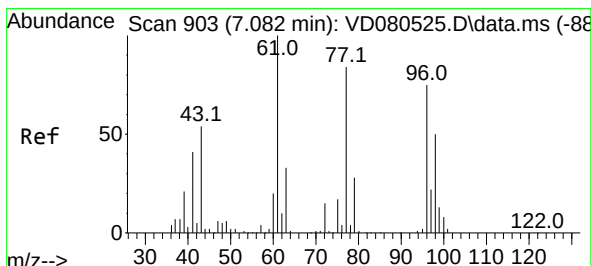
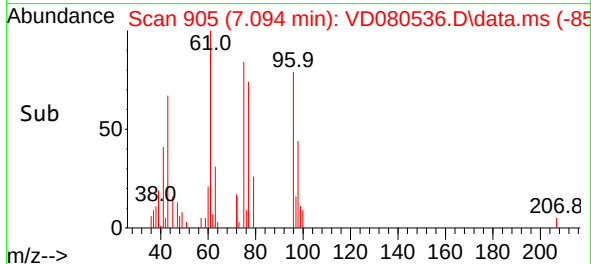
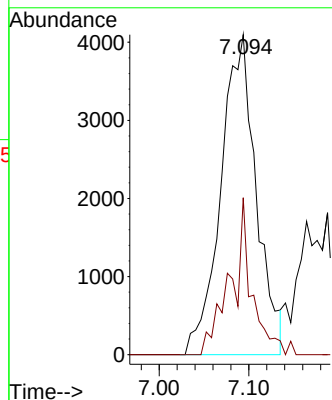
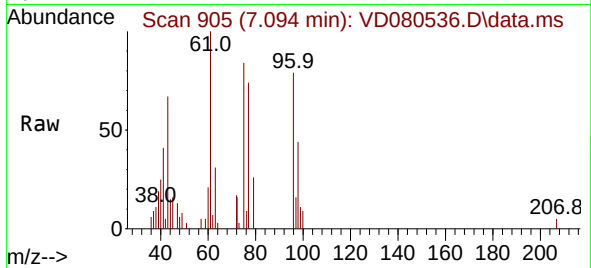




#25
2-Butanone
Concen: 20.509 ug/l
RT: 7.094 min Scan# 905
Delta R.T. 0.012 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

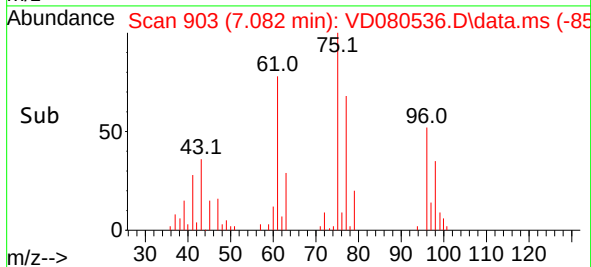
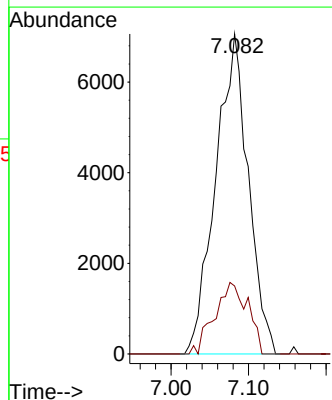
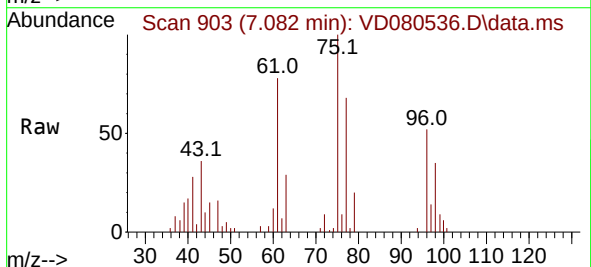
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

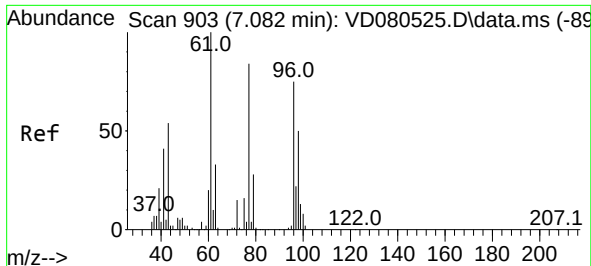
Tgt Ion: 43 Resp: 11203
Ion Ratio Lower Upper
43 100
72 49.1 22.6 34.0#



#26
2,2-Dichloropropane
Concen: 4.064 ug/l
RT: 7.082 min Scan# 903
Delta R.T. 0.000 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

Tgt Ion: 77 Resp: 20653
Ion Ratio Lower Upper
77 100
97 22.7 12.4 37.4

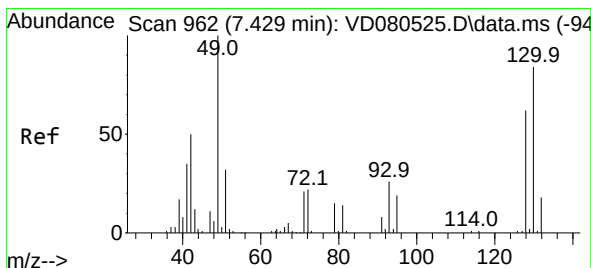
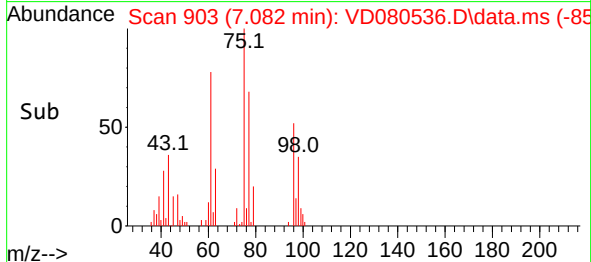
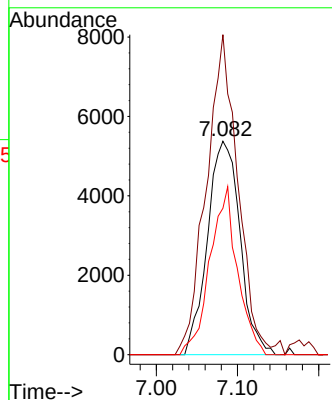
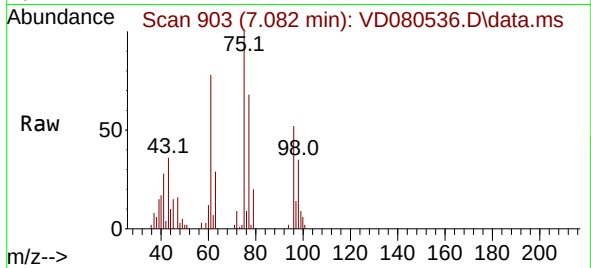




#27
 cis-1,2-Dichloroethene
 Concen: 3.769 ug/l
 RT: 7.082 min Scan# 903
 Delta R.T. 0.000 min
 Lab File: VD080536.D
 Acq: 18 Nov 2025 12:32

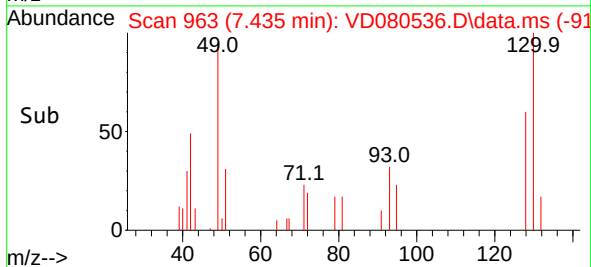
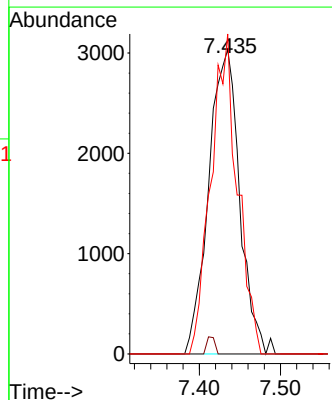
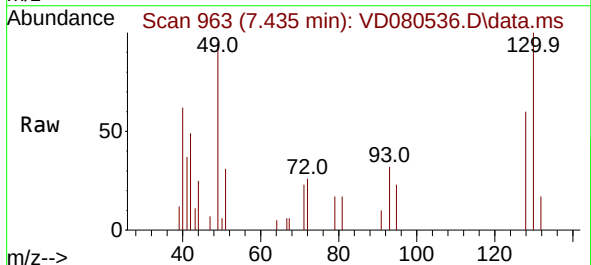
Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2025

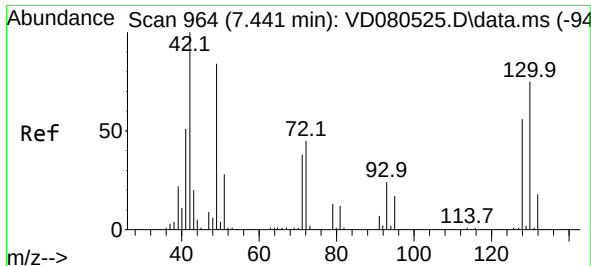
Tgt Ion:	96	Resp:	14996
Ion	Ratio	Lower	Upper
96	100		
61	146.0	0.0	271.8
98	66.4	0.0	130.6



#28
 Bromochloromethane
 Concen: 3.725 ug/l
 RT: 7.435 min Scan# 963
 Delta R.T. 0.006 min
 Lab File: VD080536.D
 Acq: 18 Nov 2025 12:32

Tgt Ion:	49	Resp:	8055
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.4
130	90.5	64.3	96.5





#29

Tetrahydrofuran

Concen: 10.291 ug/l

RT: 7.447 min Scan# 90

Delta R.T. 0.006 min

Lab File: VD080536.D

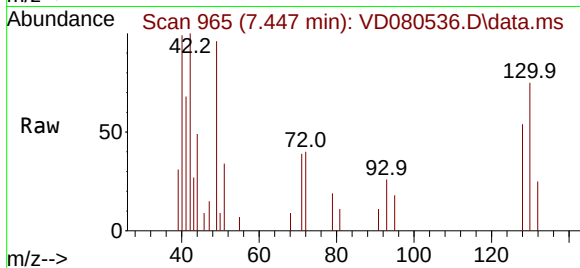
Acq: 18 Nov 2025 12:32

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025



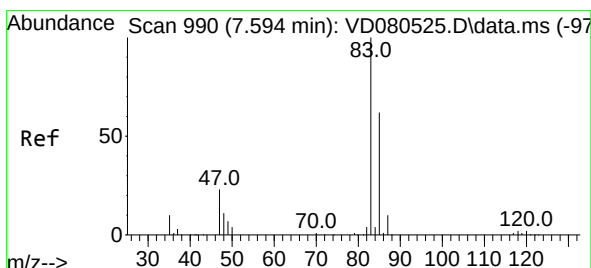
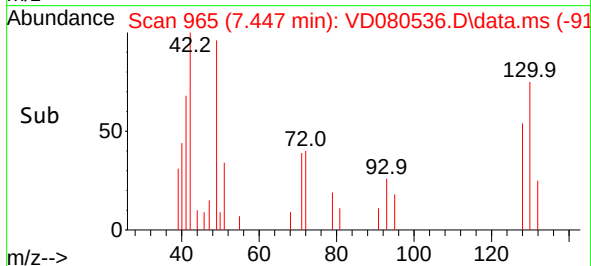
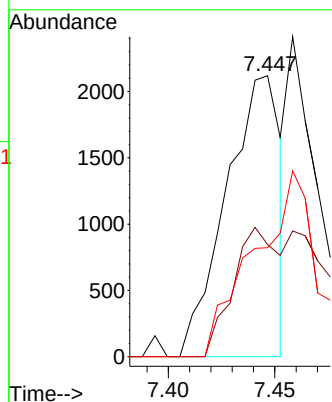
Tgt Ion: 42 Resp: 3745

Ion Ratio Lower Upper

42 100

72 38.8 35.4 53.2

71 78.5 32.2 48.4#



#30

Chloroform

Concen: 4.030 ug/l

RT: 7.600 min Scan# 991

Delta R.T. 0.006 min

Lab File: VD080536.D

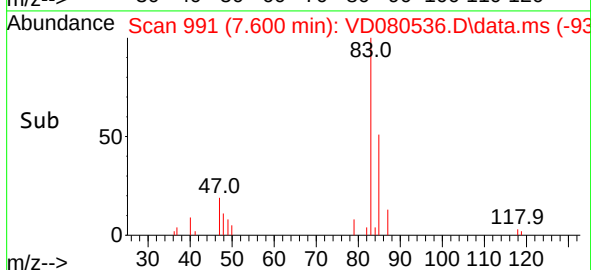
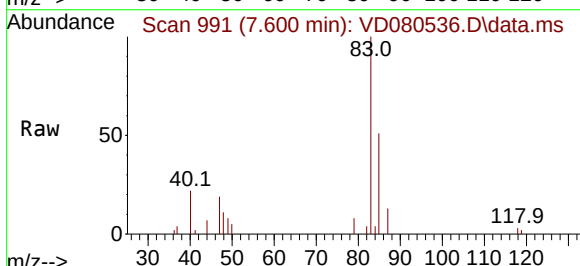
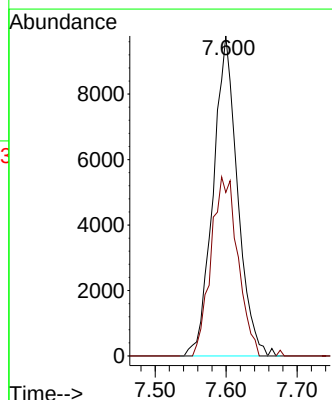
Acq: 18 Nov 2025 12:32

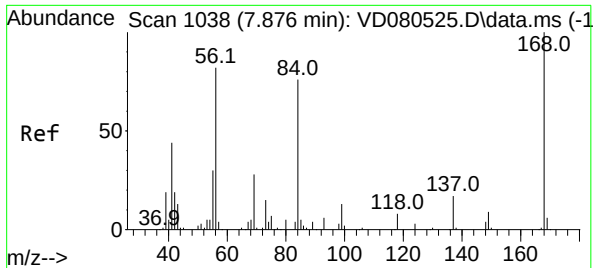
Tgt Ion: 83 Resp: 23349

Ion Ratio Lower Upper

83 100

85 51.1 49.8 74.8

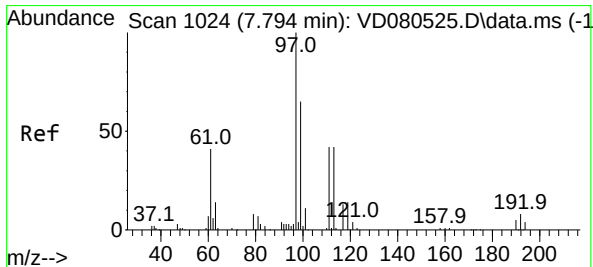
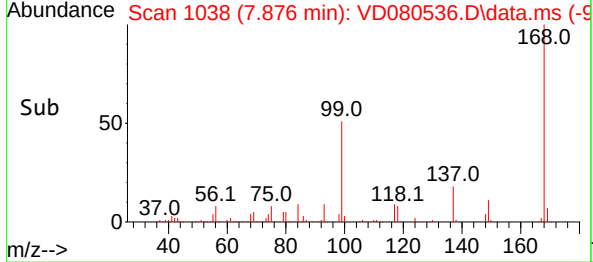
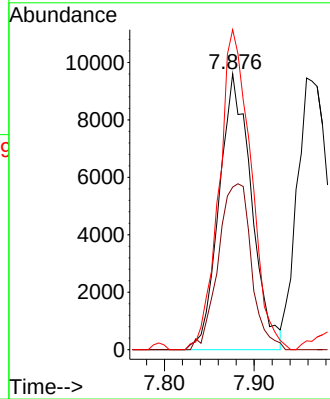
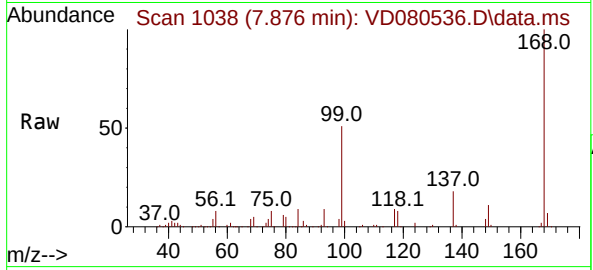




#31
Cyclohexane
Concen: 4.226 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

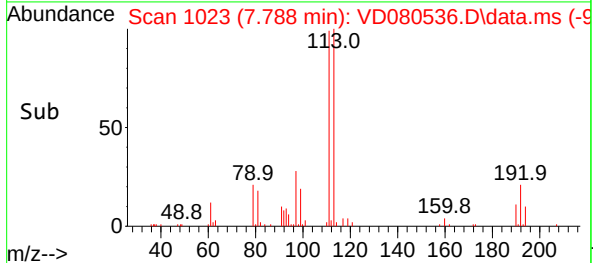
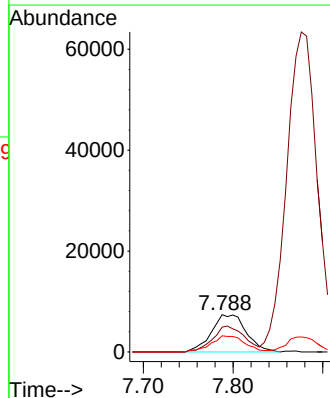
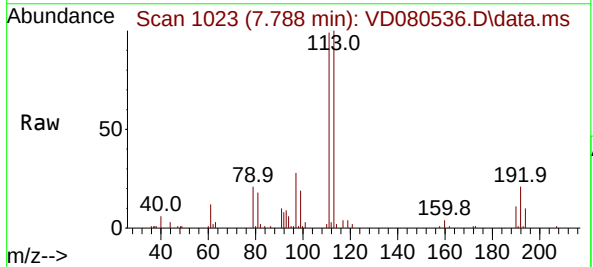
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

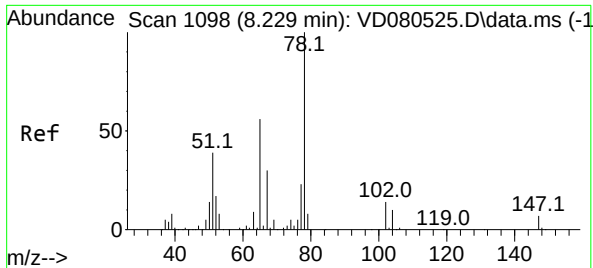
Tgt Ion: 56 Resp: 23916
Ion Ratio Lower Upper
56 100
69 59.0 27.6 41.4#
84 116.0 74.6 111.8#



#32
1,1,1-Trichloroethane
Concen: 3.908 ug/l
RT: 7.788 min Scan# 1023
Delta R.T. -0.006 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

Tgt Ion: 97 Resp: 19893
Ion Ratio Lower Upper
97 100
99 63.4 50.4 75.6
61 41.5 32.8 49.2





#33

1,2-Dichloroethane-d4

Concen: 48.465 ug/l

RT: 8.235 min Scan# 1109

Delta R.T. 0.006 min

Lab File: VD080536.D

Acq: 18 Nov 2025 12:32

Instrument :

MSVOA_D

ClientSampleId :

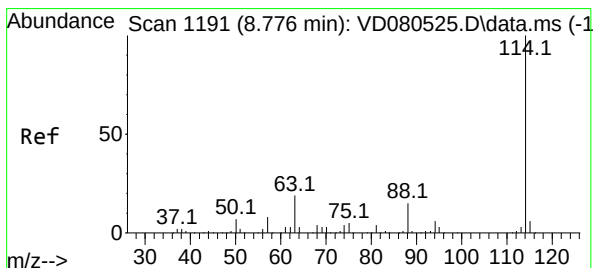
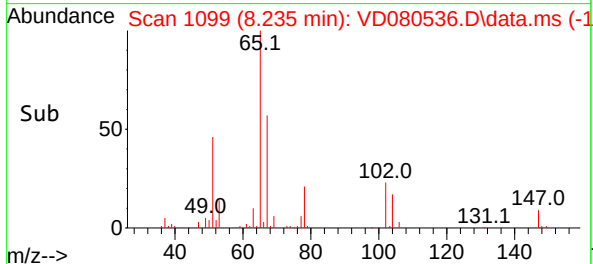
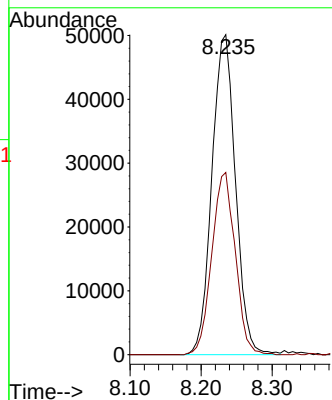
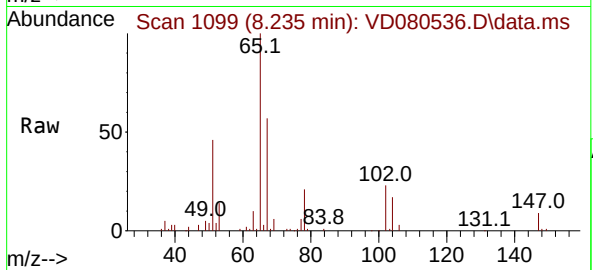
LOD-MDL-SOIL-01-QT4-2025

Tgt Ion: 65 Resp: 115488

Ion Ratio Lower Upper

65 100

67 56.6 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.776 min Scan# 1191

Delta R.T. 0.000 min

Lab File: VD080536.D

Acq: 18 Nov 2025 12:32

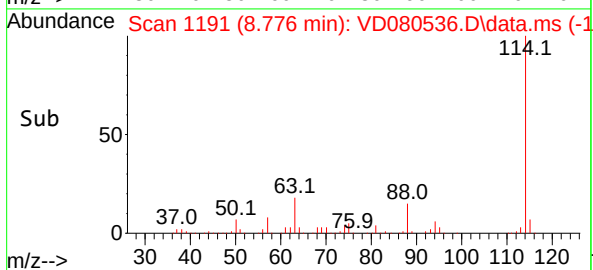
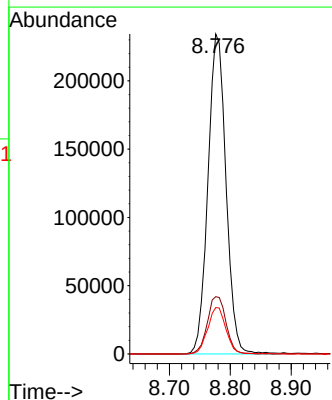
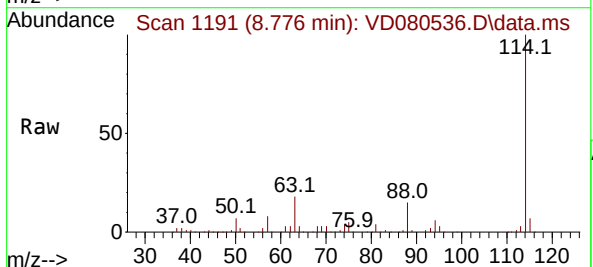
Tgt Ion: 114 Resp: 482086

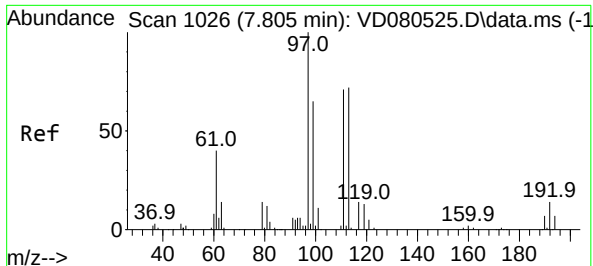
Ion Ratio Lower Upper

114 100

63 17.9 0.0 38.2

88 14.5 0.0 29.6





#35

Dibromofluoromethane

Concen: 48.179 ug/l

RT: 7.805 min Scan# 1026

Delta R.T. 0.000 min

Lab File: VD080536.D

Acq: 18 Nov 2025 12:32

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

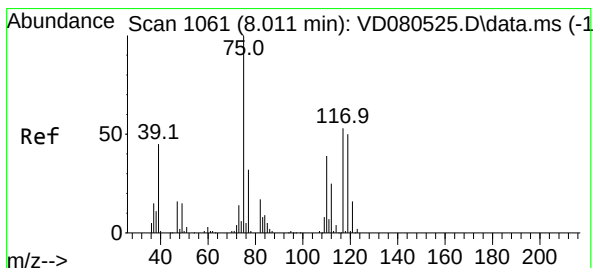
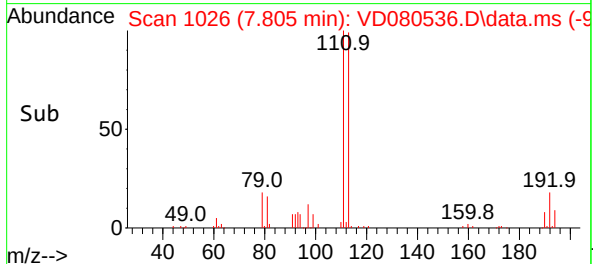
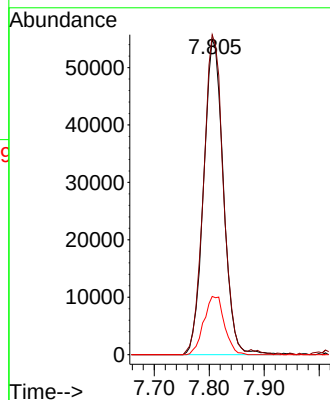
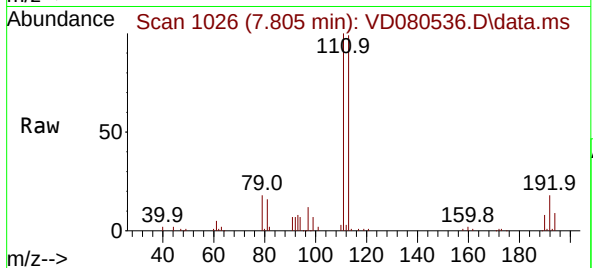
Tgt Ion:113 Resp: 136738

Ion Ratio Lower Upper

113 100

111 101.1 82.2 123.2

192 19.3 16.0 24.0



#36

1,1-Dichloropropene

Concen: 3.752 ug/l

RT: 8.011 min Scan# 1061

Delta R.T. 0.000 min

Lab File: VD080536.D

Acq: 18 Nov 2025 12:32

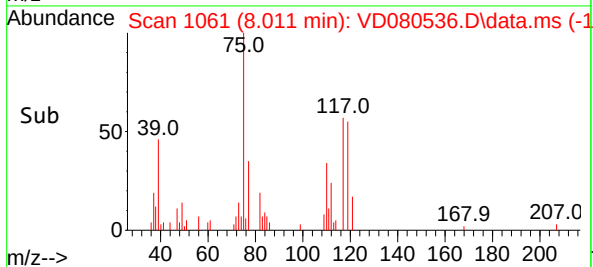
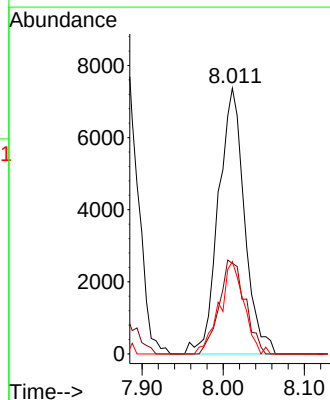
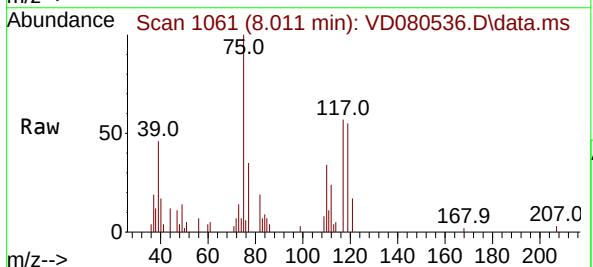
Tgt Ion: 75 Resp: 16462

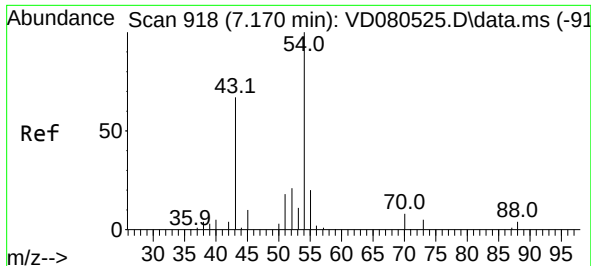
Ion Ratio Lower Upper

75 100

110 35.0 18.9 56.5

77 32.6 25.8 38.8





#37

Ethyl Acetate

Concen: 2.883 ug/l

RT: 7.188 min Scan# 918

Delta R.T. 0.018 min

Lab File: VD080536.D

Acq: 18 Nov 2025 12:32

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

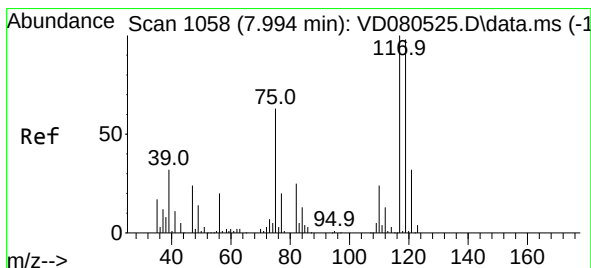
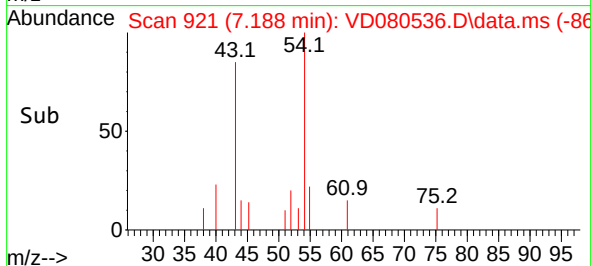
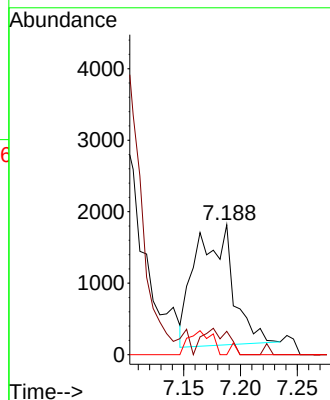
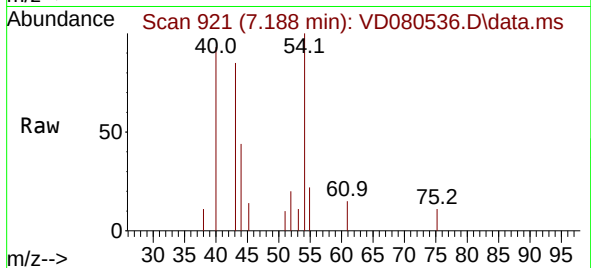
Tgt Ion: 43 Resp: 3826

Ion Ratio Lower Upper

43 100

61 0.0 11.9 17.9#

70 1.5 8.2 12.2#



#38

Carbon Tetrachloride

Concen: 3.944 ug/l

RT: 7.994 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VD080536.D

Acq: 18 Nov 2025 12:32

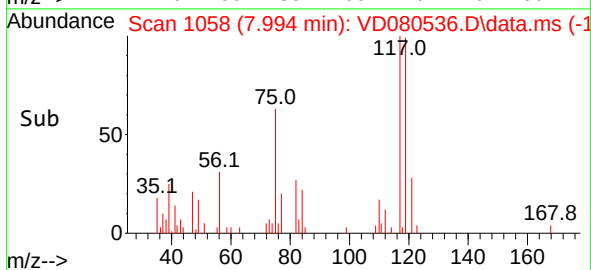
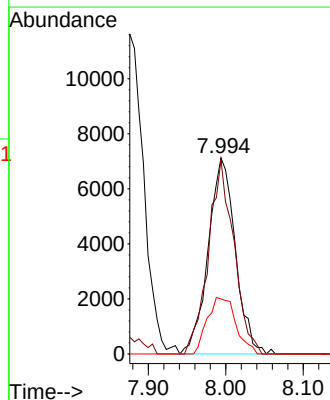
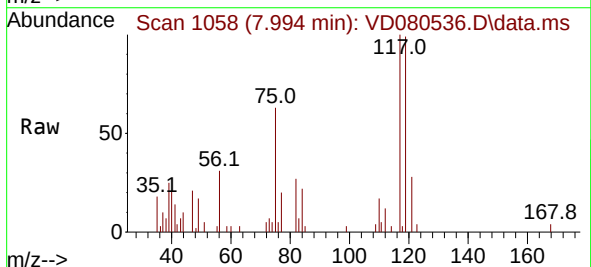
Tgt Ion: 117 Resp: 17390

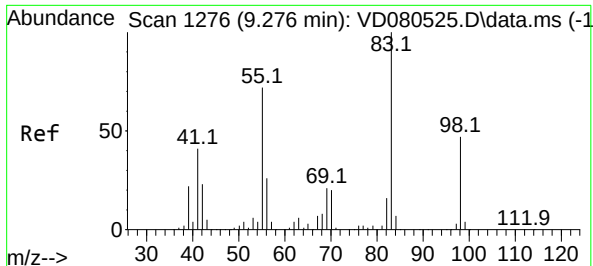
Ion Ratio Lower Upper

117 100

119 99.1 78.2 117.4

121 28.1 25.8 38.6





#39

Methylcyclohexane

Concen: 3.839 ug/l

RT: 9.276 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VD080536.D

Acq: 18 Nov 2025 12:32

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

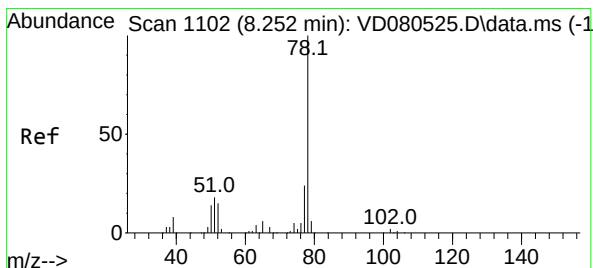
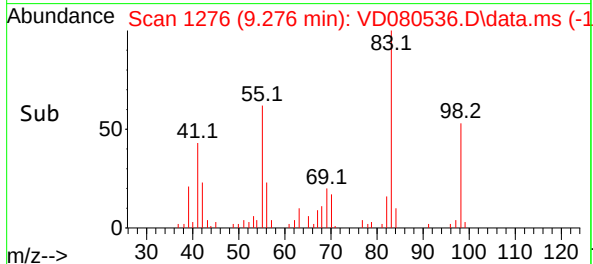
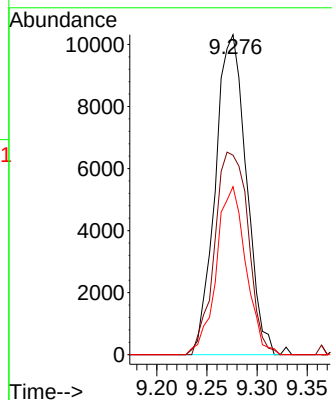
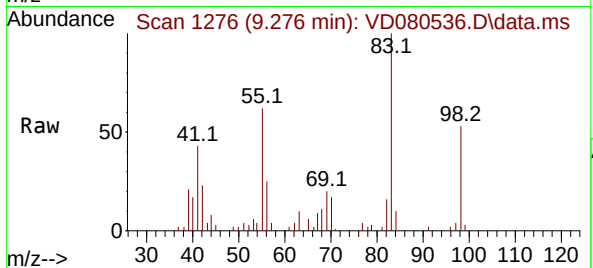
Tgt Ion: 83 Resp: 22225

Ion Ratio Lower Upper

83 100

55 62.3 57.8 86.8

98 52.5 37.8 56.8



#40

Benzene

Concen: 3.736 ug/l

RT: 8.252 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VD080536.D

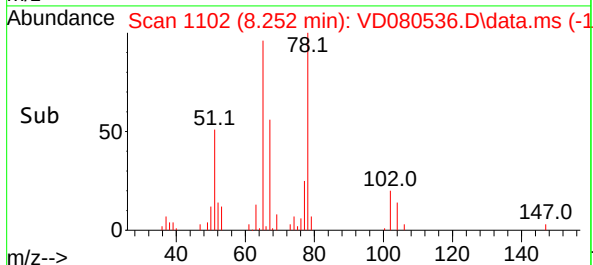
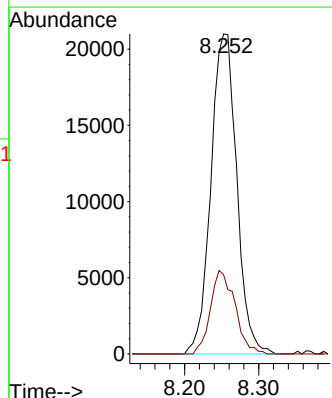
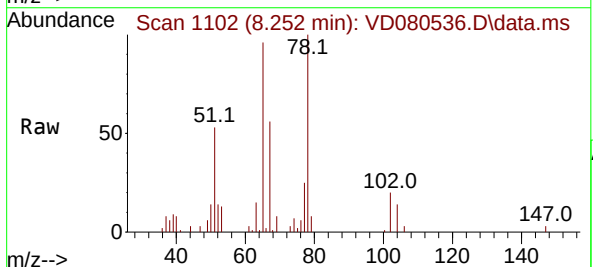
Acq: 18 Nov 2025 12:32

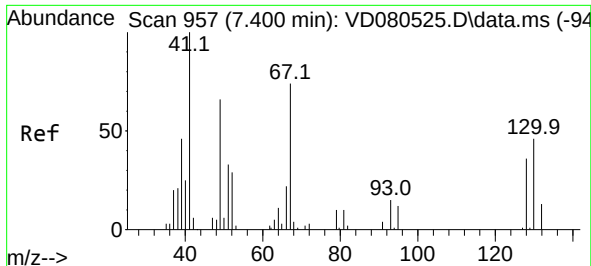
Tgt Ion: 78 Resp: 50761

Ion Ratio Lower Upper

78 100

77 24.8 19.3 28.9

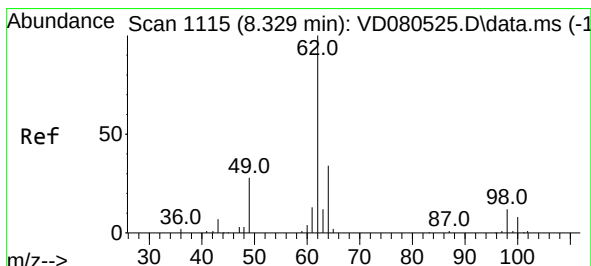
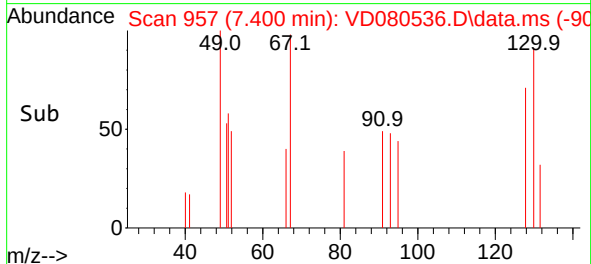
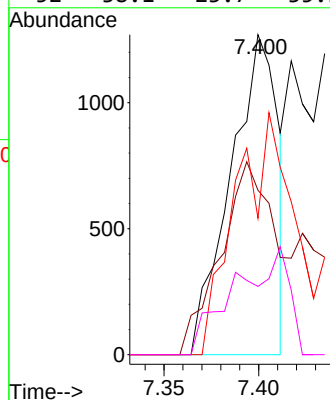
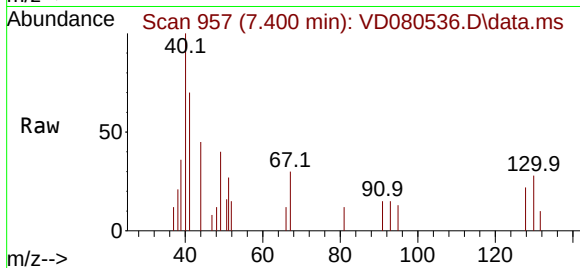




#41
Methacrylonitrile
Concen: 2.554 ug/l
RT: 7.400 min Scan# 911
Delta R.T. 0.000 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

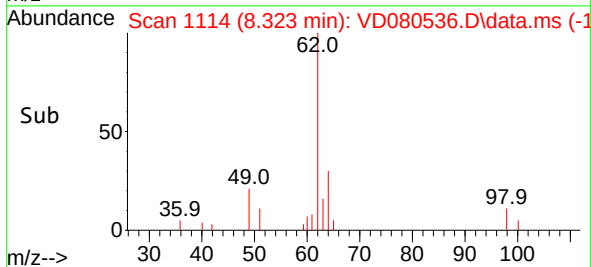
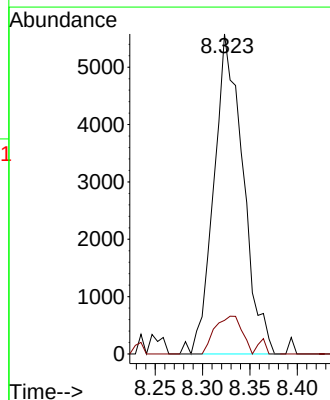
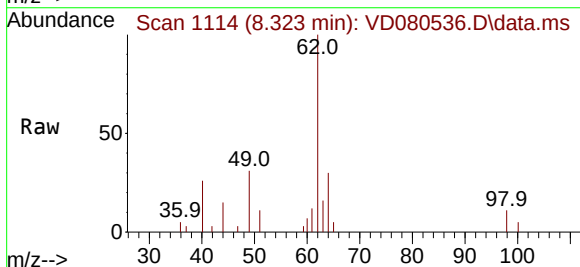
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

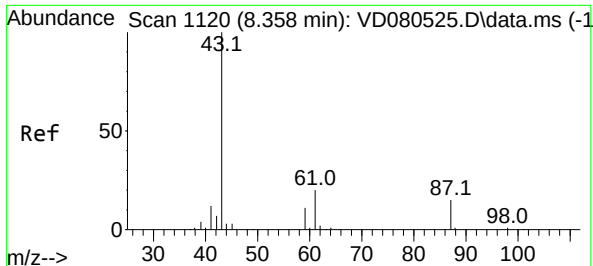
Tgt Ion: 41 Resp: 2214
Ion Ratio Lower Upper
41 100
39 72.0 44.3 66.5#
67 43.6 64.0 96.0#
52 38.1 23.7 35.5#



#42
1,2-Dichloroethane
Concen: 4.207 ug/l
RT: 8.323 min Scan# 1114
Delta R.T. -0.006 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

Tgt Ion: 62 Resp: 11929
Ion Ratio Lower Upper
62 100
98 11.0 0.0 22.8





#43

Isopropyl Acetate

Concen: 3.674 ug/l

RT: 8.358 min Scan# 1120

Delta R.T. 0.000 min

Lab File: VD080536.D

Acq: 18 Nov 2025 12:32

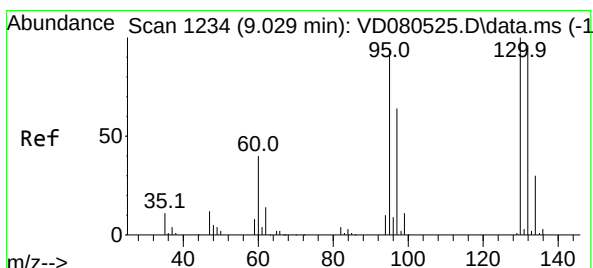
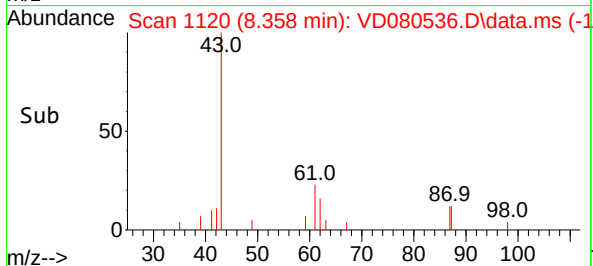
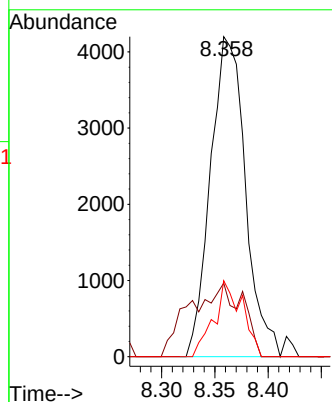
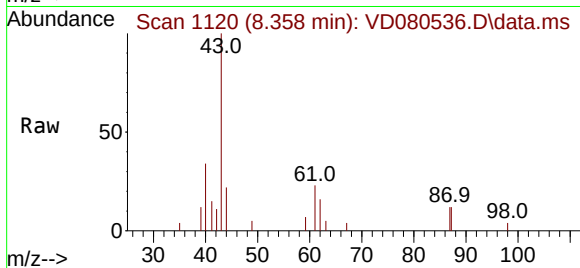
Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

Tgt Ion: 43	Resp:	9565
Ion Ratio	Lower	Upper
43	100	
61	17.6	26.3 39.5#
87	19.3	11.1 16.7#



#44

Trichloroethene

Concen: 3.732 ug/l

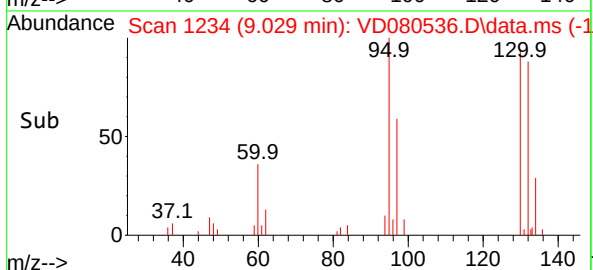
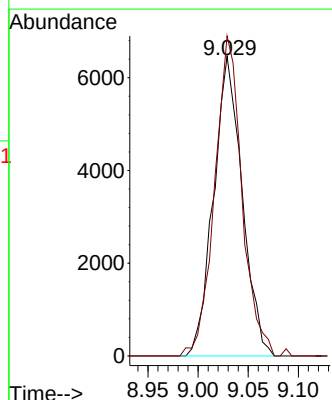
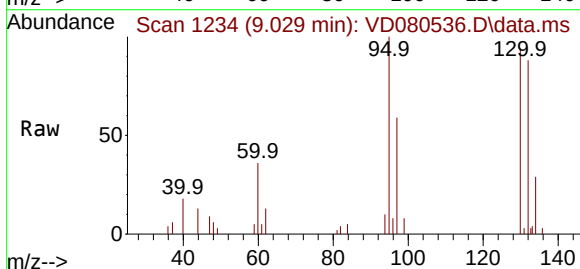
RT: 9.029 min Scan# 1234

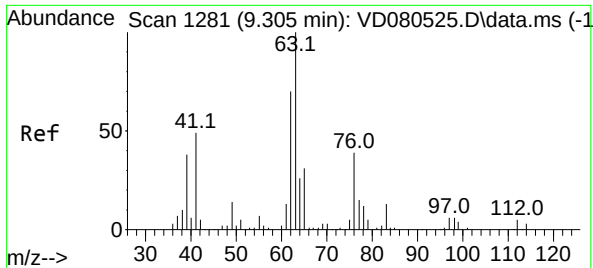
Delta R.T. 0.000 min

Lab File: VD080536.D

Acq: 18 Nov 2025 12:32

Tgt Ion: 130	Resp:	12817
Ion Ratio	Lower	Upper
130	100	
95	106.8	0.0 188.2





#45

1,2-Dichloropropane

Concen: 3.902 ug/l

RT: 9.305 min Scan# 1281

Delta R.T. 0.000 min

Lab File: VD080536.D

Acq: 18 Nov 2025 12:32

Instrument :

MSVOA_D

ClientSampleId :

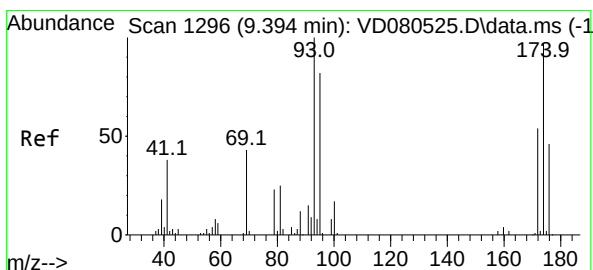
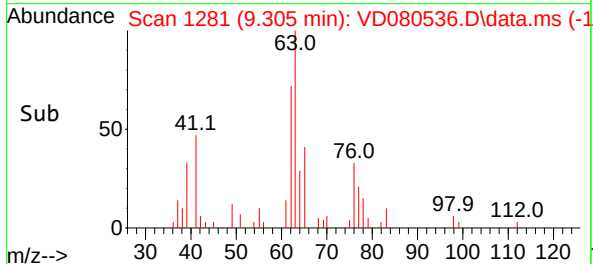
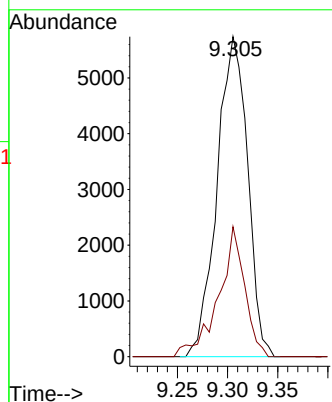
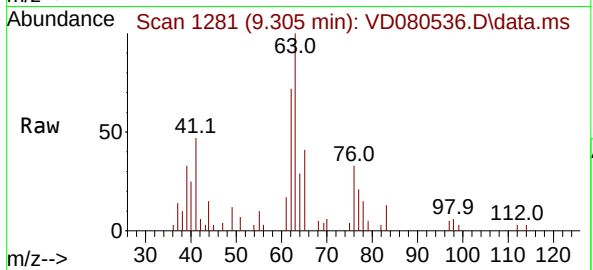
LOD-MDL-SOIL-01-QT4-2025

Tgt Ion: 63 Resp: 12136

Ion Ratio Lower Upper

63 100

65 40.6 24.9 37.3#



#46

Dibromomethane

Concen: 4.140 ug/l

RT: 9.394 min Scan# 1296

Delta R.T. 0.000 min

Lab File: VD080536.D

Acq: 18 Nov 2025 12:32

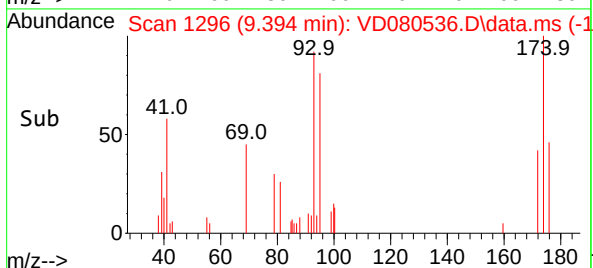
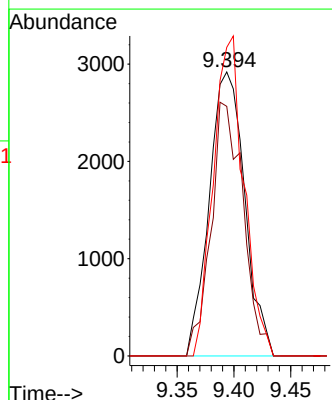
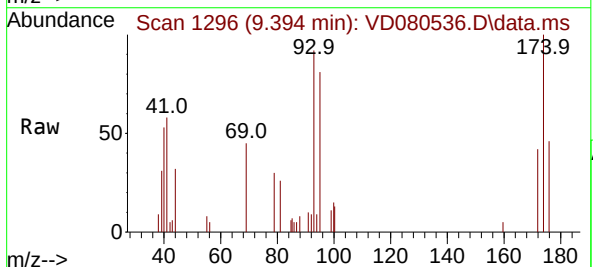
Tgt Ion: 93 Resp: 6352

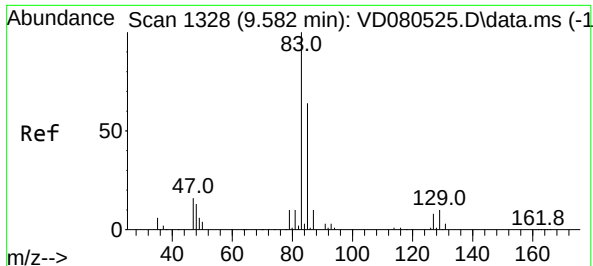
Ion Ratio Lower Upper

93 100

95 80.5 68.2 102.2

174 97.2 79.5 119.3

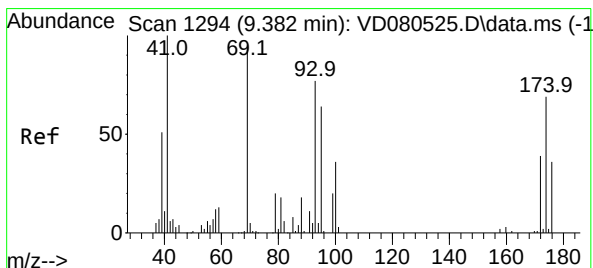
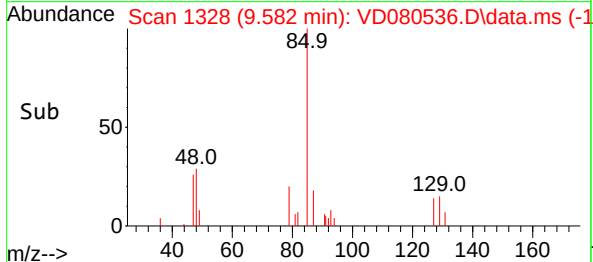
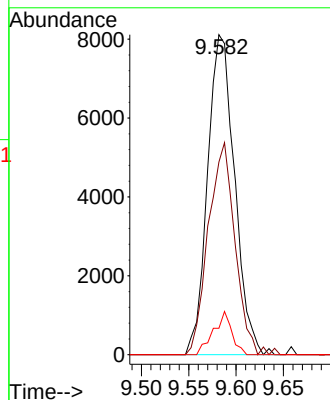
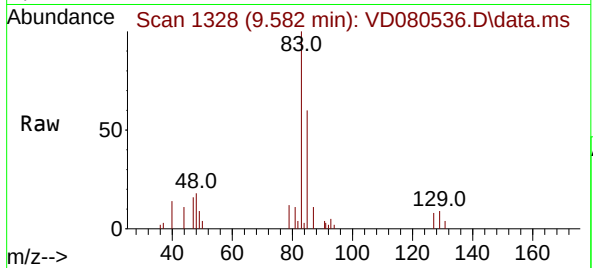




#47
Bromodichloromethane
Concen: 3.894 ug/l
RT: 9.582 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

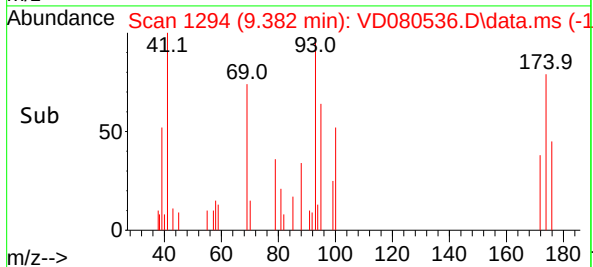
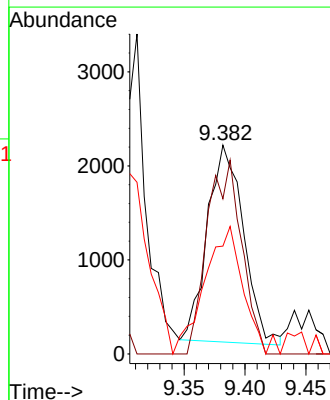
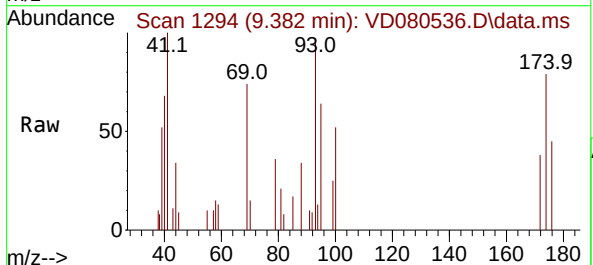
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

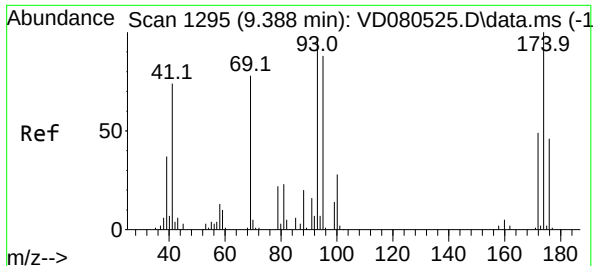
Tgt Ion: 83	Resp:	16136
Ion Ratio	Lower	Upper
83	100	
85	60.2	51.0 76.6
127	8.3	6.5 9.7



#48
Methyl methacrylate
Concen: 3.345 ug/l
RT: 9.382 min Scan# 1294
Delta R.T. 0.000 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

Tgt Ion: 41	Resp:	4322
Ion Ratio	Lower	Upper
41	100	
69	94.3	74.5 111.7
39	67.8	40.6 61.0#





#49

1,4-Dioxane

Concen: 68.664 ug/l

RT: 9.382 min Scan# 1295

Delta R.T. -0.006 min

Lab File: VD080536.D

Acq: 18 Nov 2025 12:32

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

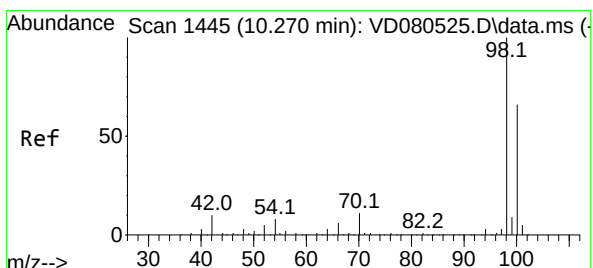
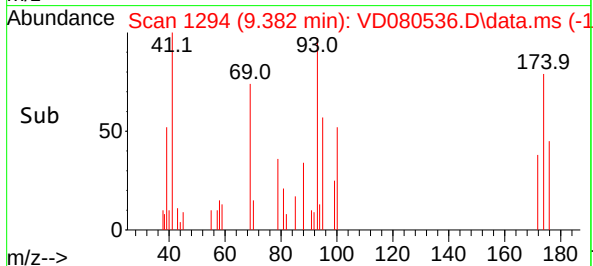
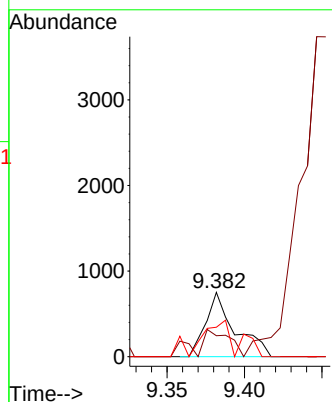
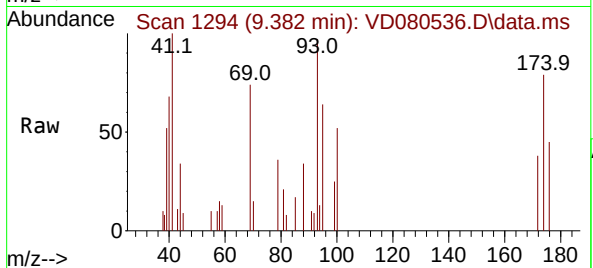
Tgt Ion: 88 Resp: 982

Ion Ratio Lower Upper

88 100

43 48.2 28.0 42.0#

58 71.6 52.7 79.1



#50

Toluene-d8

Concen: 47.623 ug/l

RT: 10.264 min Scan# 1444

Delta R.T. -0.006 min

Lab File: VD080536.D

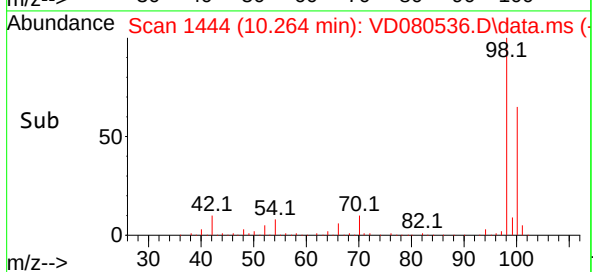
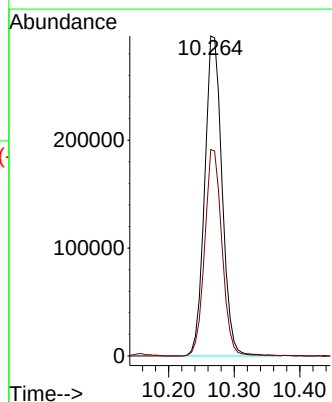
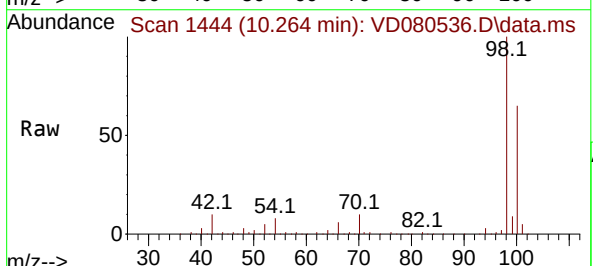
Acq: 18 Nov 2025 12:32

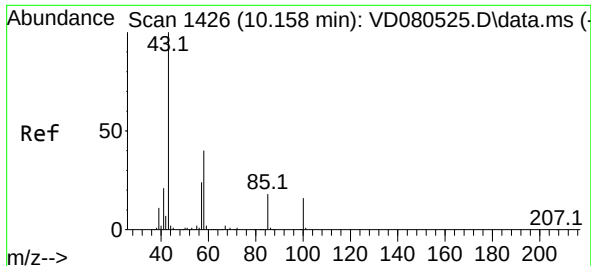
Tgt Ion: 98 Resp: 546781

Ion Ratio Lower Upper

98 100

100 64.1 52.0 78.0

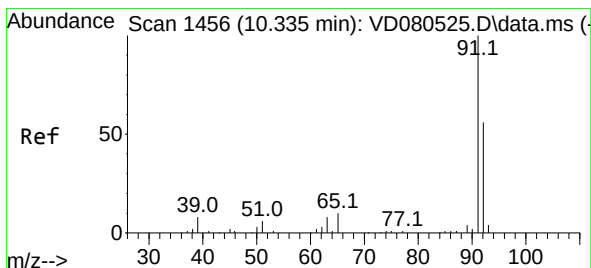
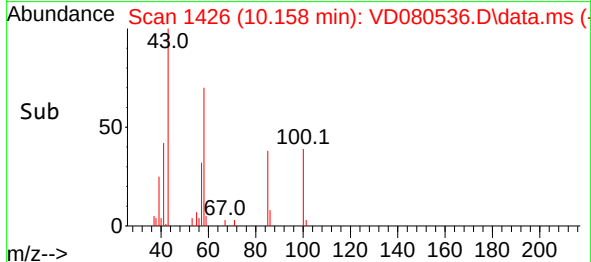
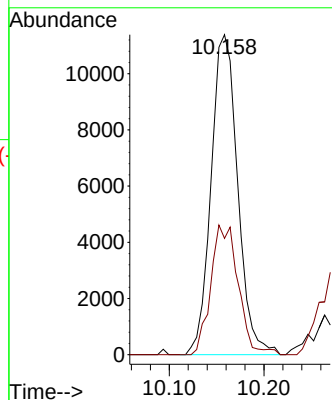
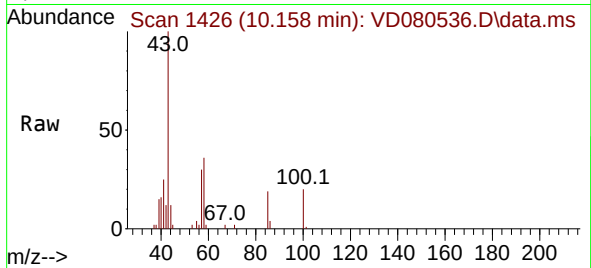




#51
4-Methyl-2-Pentanone
Concen: 18.421 ug/l
RT: 10.158 min Scan# 1426
Delta R.T. 0.000 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

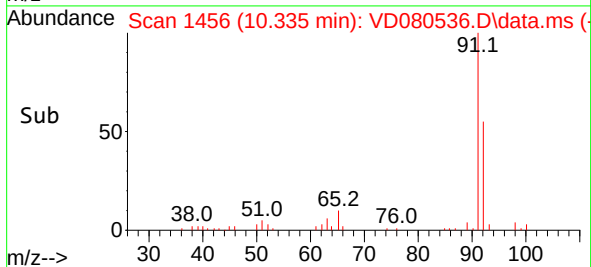
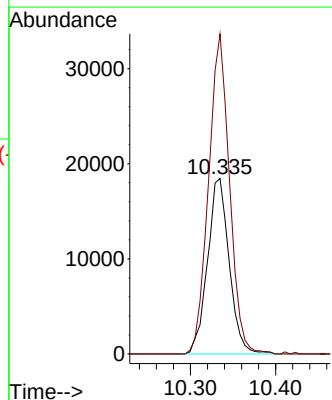
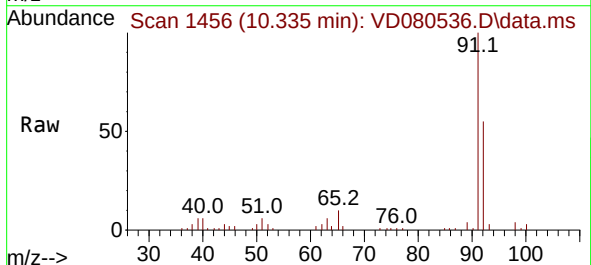
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

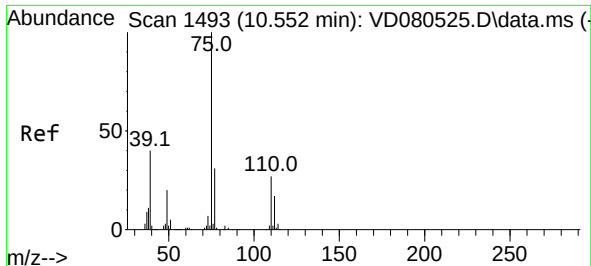
Tgt Ion: 43 Resp: 22249
Ion Ratio Lower Upper
43 100
58 41.7 32.8 49.2



#52
Toluene
Concen: 3.805 ug/l
RT: 10.335 min Scan# 1456
Delta R.T. 0.000 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

Tgt Ion: 92 Resp: 32690
Ion Ratio Lower Upper
92 100
91 176.3 137.0 205.6

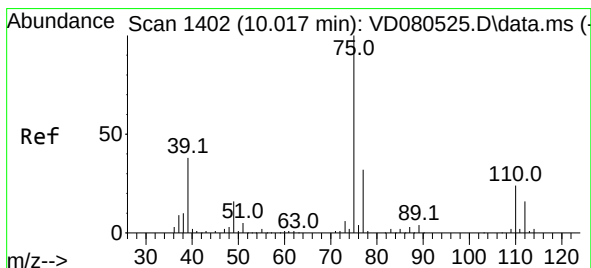
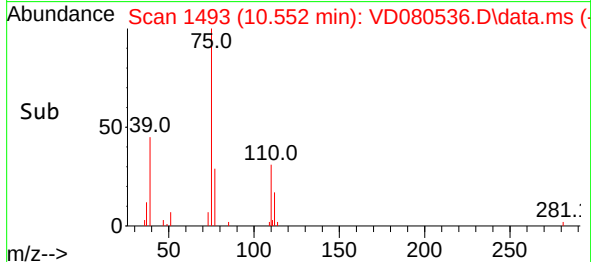
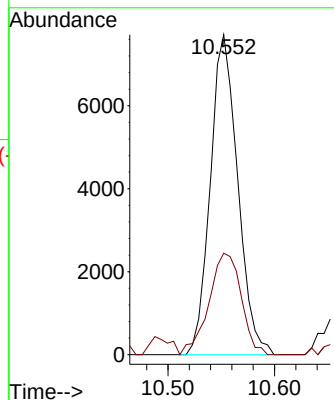
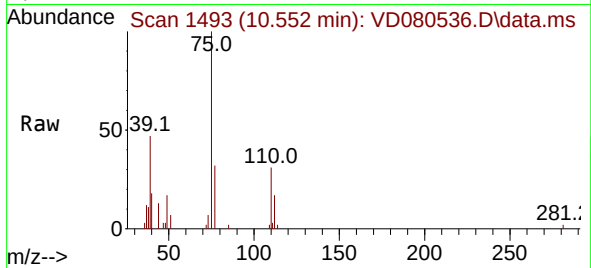




#53
t-1,3-Dichloropropene
Concen: 3.745 ug/l
RT: 10.552 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

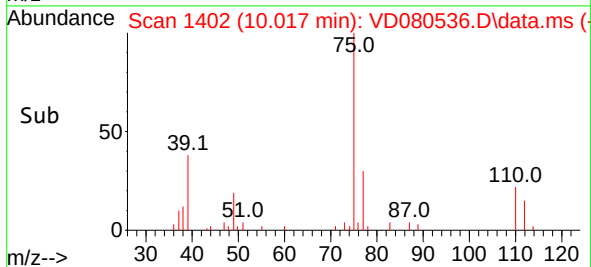
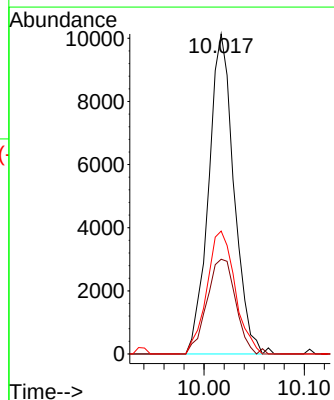
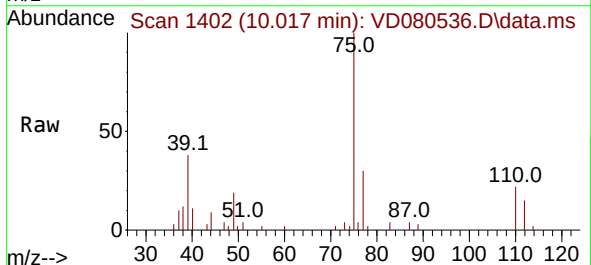
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

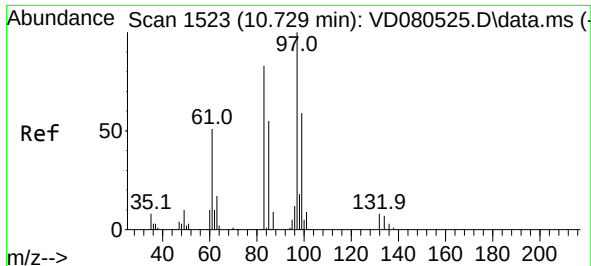
Tgt Ion: 75 Resp: 13750
Ion Ratio Lower Upper
75 100
77 31.7 24.7 37.1



#54
cis-1,3-Dichloropropene
Concen: 3.764 ug/l
RT: 10.017 min Scan# 1402
Delta R.T. 0.000 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

Tgt Ion: 75 Resp: 17822
Ion Ratio Lower Upper
75 100
77 29.6 25.8 38.6
39 38.4 30.7 46.1

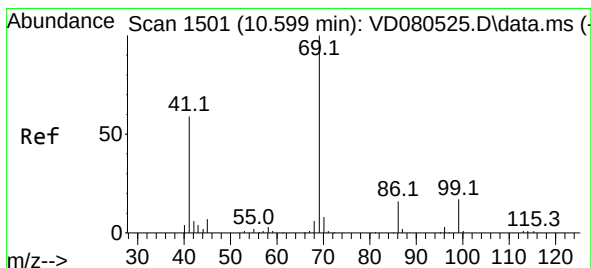
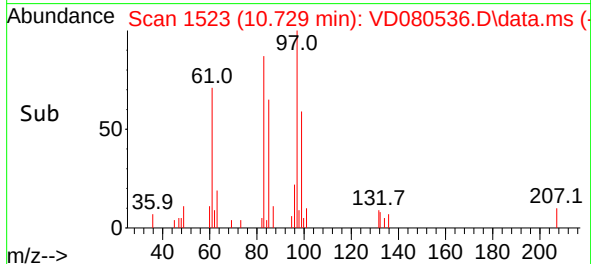
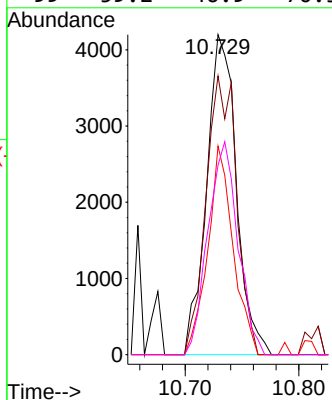
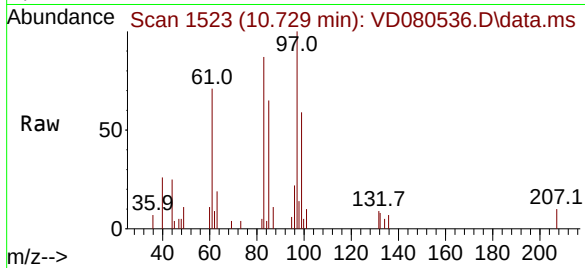




#55
1,1,2-Trichloroethane
Concen: 3.905 ug/l
RT: 10.729 min Scan# 1523
Delta R.T. 0.000 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

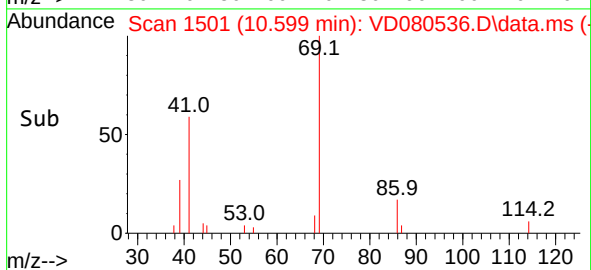
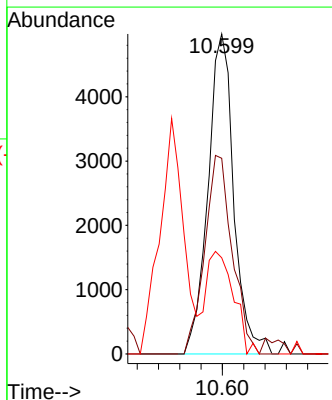
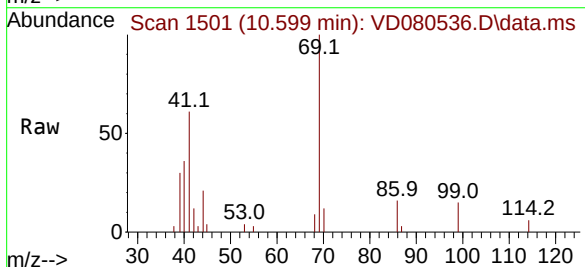
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

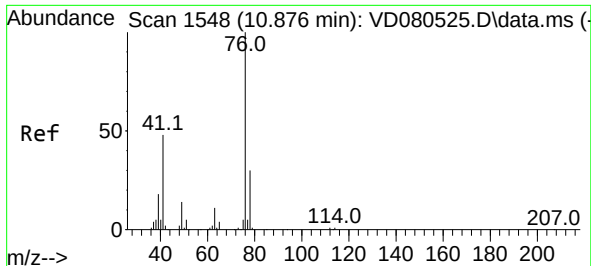
Tgt Ion: 97	Resp: 7665
Ion Ratio	Lower Upper
97 100	
83 87.1	66.3 99.5
85 65.1	43.8 65.8
99 59.2	46.9 70.3



#56
Ethyl methacrylate
Concen: 3.695 ug/l
RT: 10.599 min Scan# 1501
Delta R.T. 0.000 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

Tgt Ion: 69	Resp: 8367		
Ion Ratio	Lower	Upper	
69 100			
41 66.3	49.6	74.4	
39 34.5	23.5	35.3	





#57

1,3-Dichloropropane

Concen: 3.579 ug/l

RT: 10.882 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD080536.D

Acq: 18 Nov 2025 12:32

Instrument :

MSVOA_D

ClientSampleId :

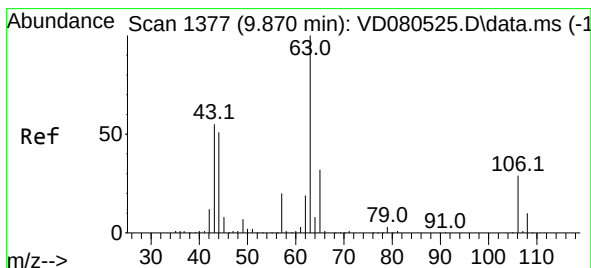
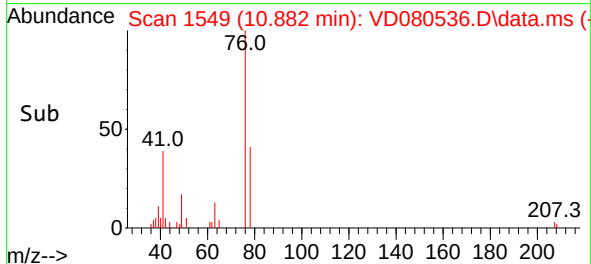
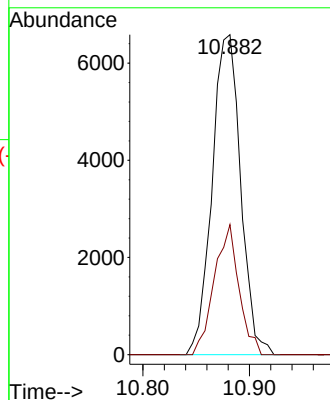
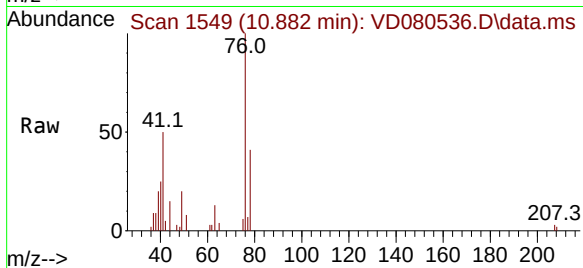
LOD-MDL-SOIL-01-QT4-2025

Tgt Ion: 76 Resp: 12248

Ion Ratio Lower Upper

76 100

78 35.2 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 18.614 ug/l

RT: 9.870 min Scan# 1377

Delta R.T. 0.000 min

Lab File: VD080536.D

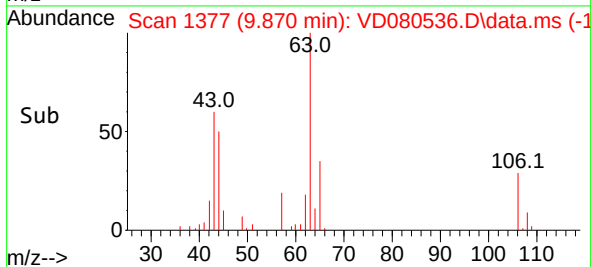
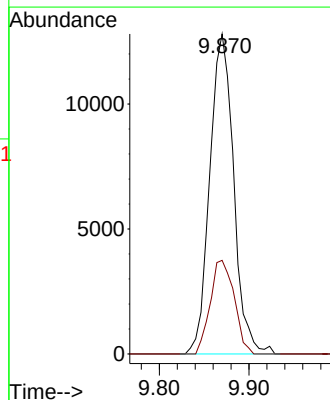
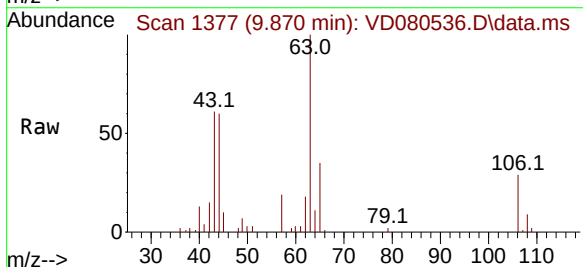
Acq: 18 Nov 2025 12:32

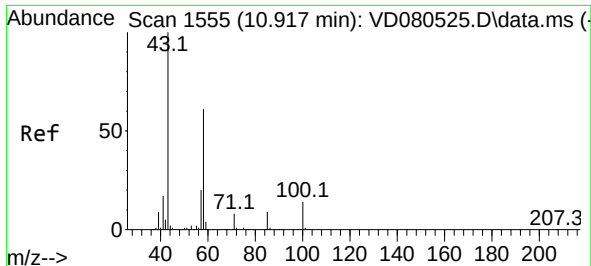
Tgt Ion: 63 Resp: 23652

Ion Ratio Lower Upper

63 100

106 29.3 22.6 33.8

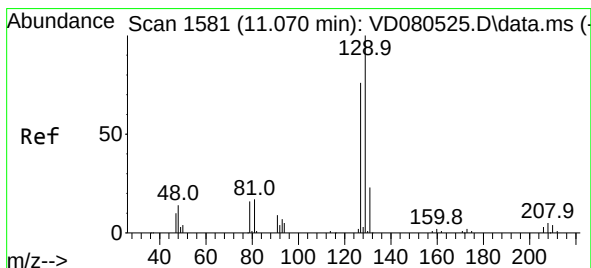
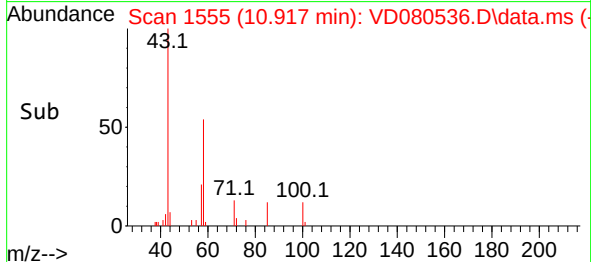
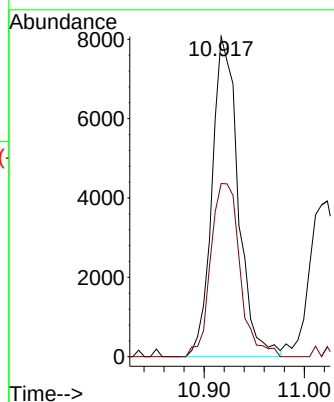
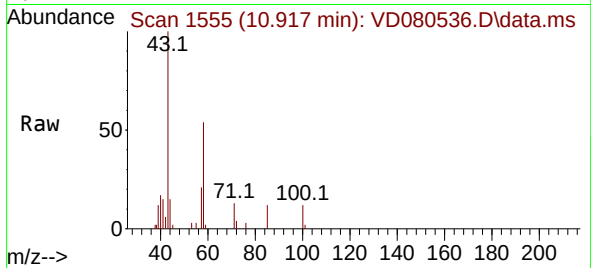




#59
2-Hexanone
Concen: 17.388 ug/l
RT: 10.917 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

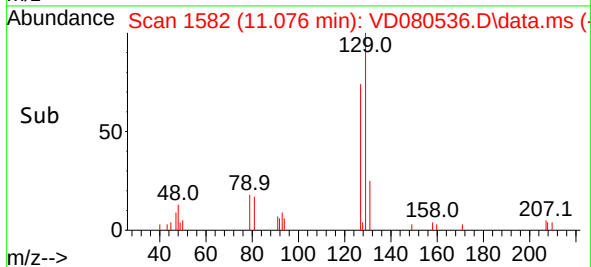
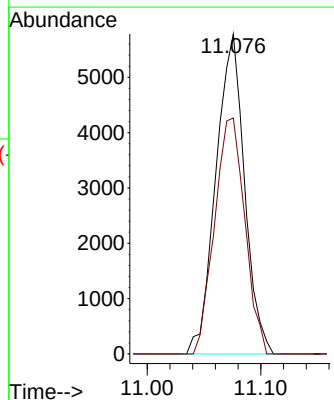
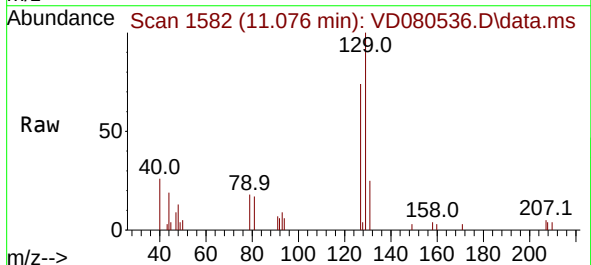
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

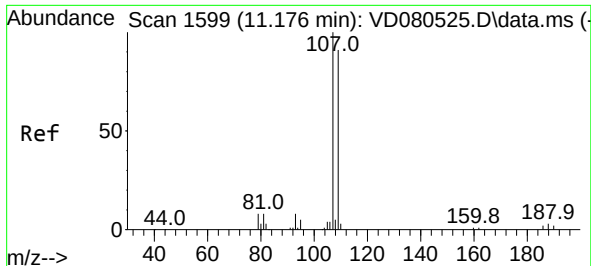
Tgt Ion: 43 Resp: 14682
Ion Ratio Lower Upper
43 100
58 60.2 29.6 88.9



#60
Dibromochloromethane
Concen: 3.878 ug/l
RT: 11.076 min Scan# 1582
Delta R.T. 0.006 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

Tgt Ion: 129 Resp: 10115
Ion Ratio Lower Upper
129 100
127 77.9 38.3 114.9

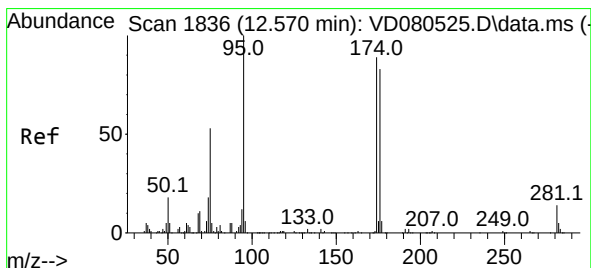
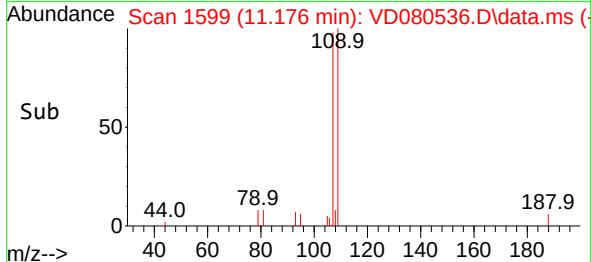
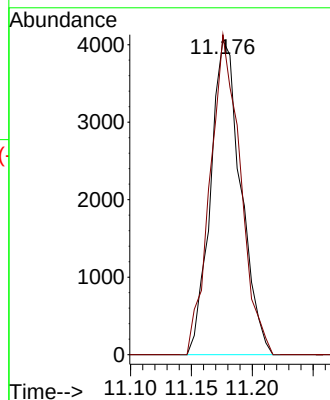
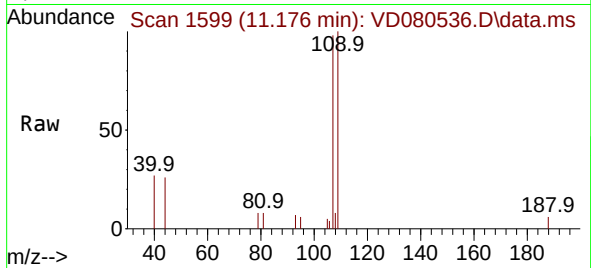




#61
1,2-Dibromoethane
Concen: 3.736 ug/l
RT: 11.176 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

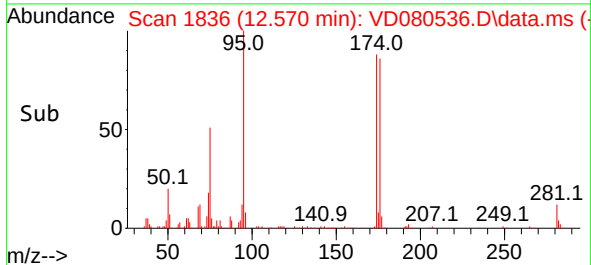
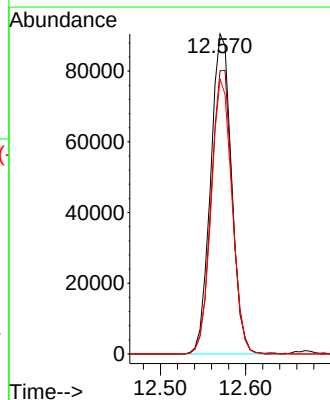
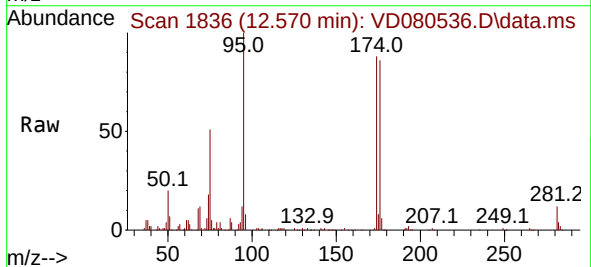
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

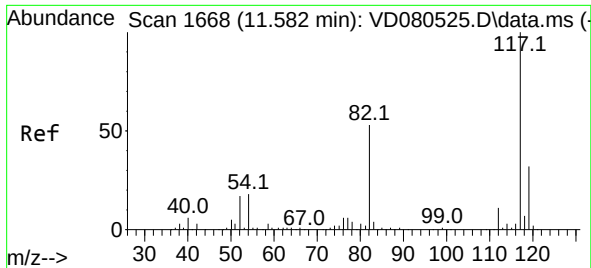
Tgt Ion:107 Resp: 7053
Ion Ratio Lower Upper
107 100
109 101.6 74.2 111.4



#62
4-Bromofluorobenzene
Concen: 46.855 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

Tgt Ion: 95 Resp: 154659
Ion Ratio Lower Upper
95 100
174 89.2 0.0 179.4
176 85.2 0.0 168.6

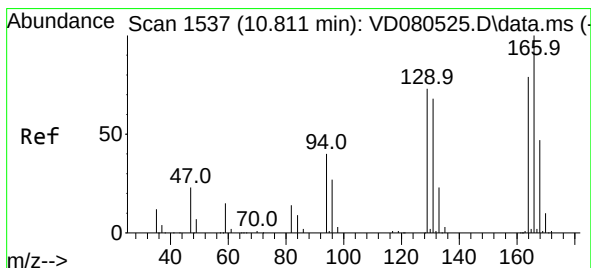
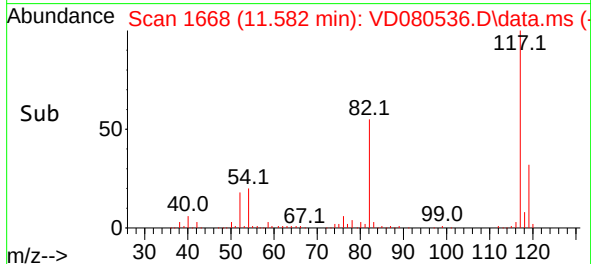
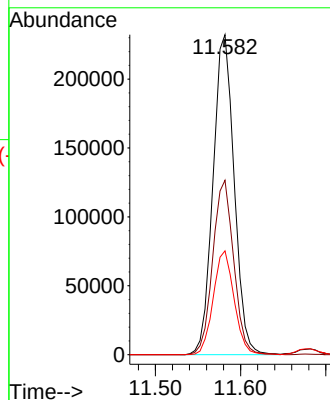
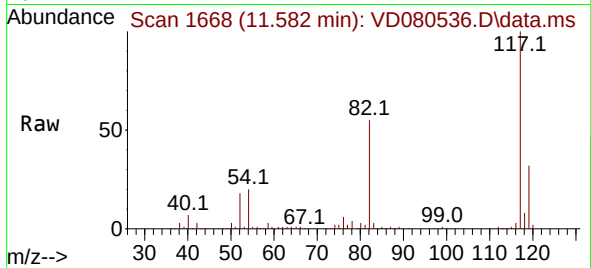




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

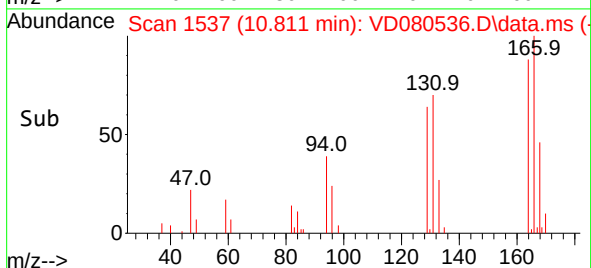
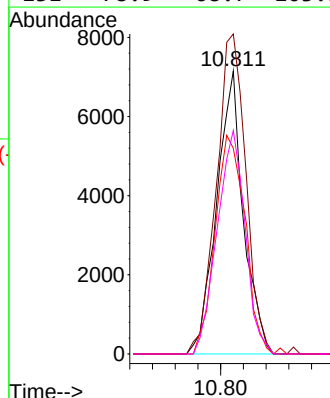
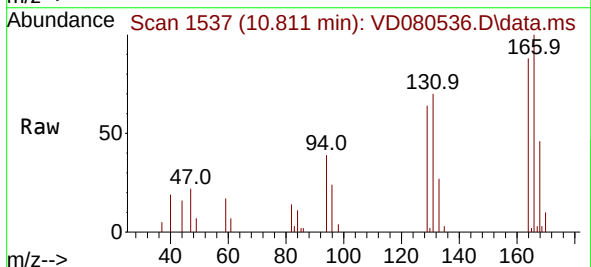
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

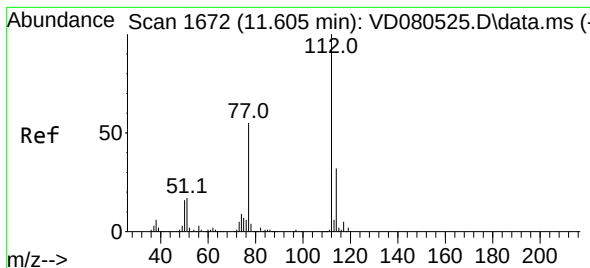
Tgt Ion:117 Resp: 400390
Ion Ratio Lower Upper
117 100
82 54.5 42.1 63.1
119 32.5 25.4 38.2



#64
Tetrachloroethene
Concen: 4.047 ug/l
RT: 10.811 min Scan# 1537
Delta R.T. 0.000 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

Tgt Ion:164 Resp: 11656
Ion Ratio Lower Upper
164 100
166 113.0 101.2 151.8
129 72.6 74.0 111.0#
131 78.9 68.7 103.1





#65

Chlorobenzene

Concen: 4.019 ug/l

RT: 11.605 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD080536.D

Acq: 18 Nov 2025 12:32

Instrument :

MSVOA_D

ClientSampleId :

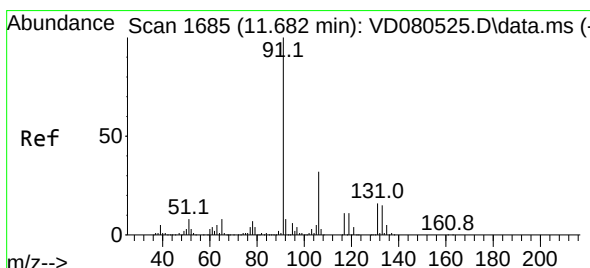
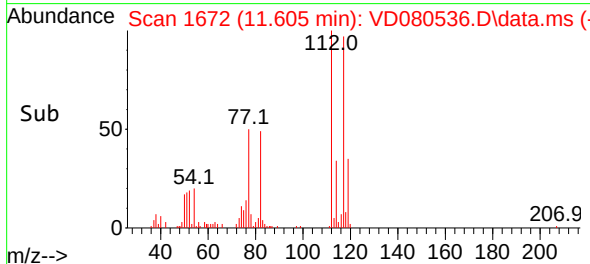
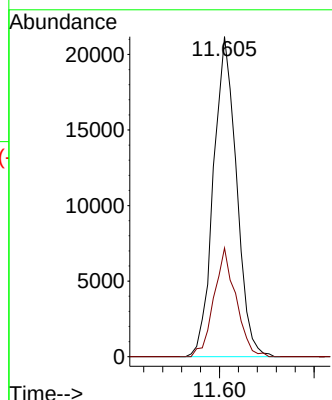
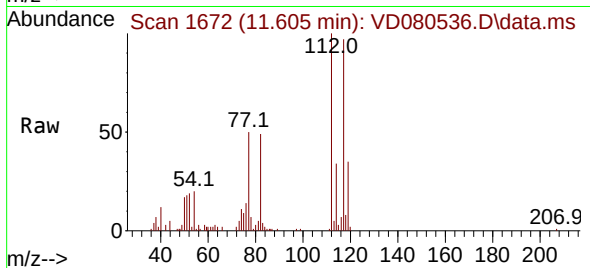
LOD-MDL-SOIL-01-QT4-2025

Tgt Ion:112 Resp: 35832

Ion Ratio Lower Upper

112 100

114 34.0 25.4 38.0



#66

1,1,1,2-Tetrachloroethane

Concen: 3.932 ug/l

RT: 11.676 min Scan# 1684

Delta R.T. -0.006 min

Lab File: VD080536.D

Acq: 18 Nov 2025 12:32

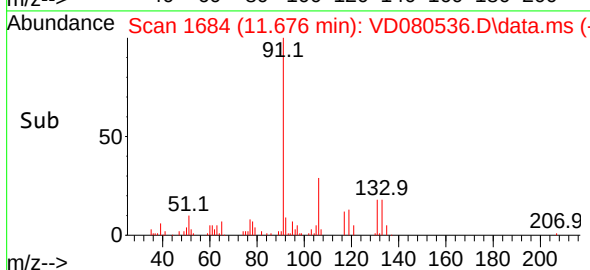
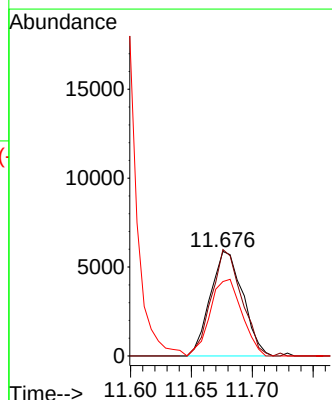
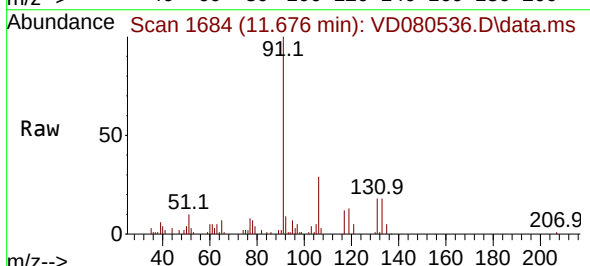
Tgt Ion:131 Resp: 10965

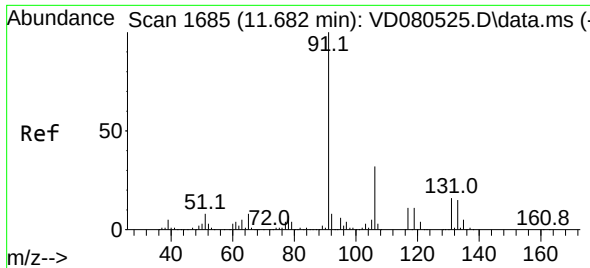
Ion Ratio Lower Upper

131 100

133 94.7 47.3 141.8

119 71.7 34.4 103.2

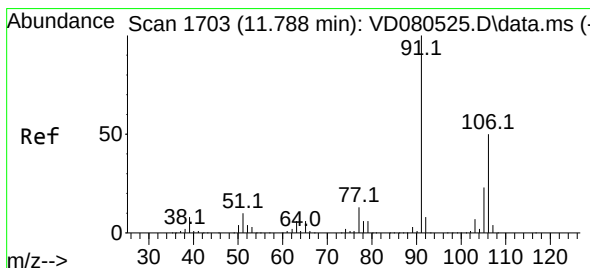
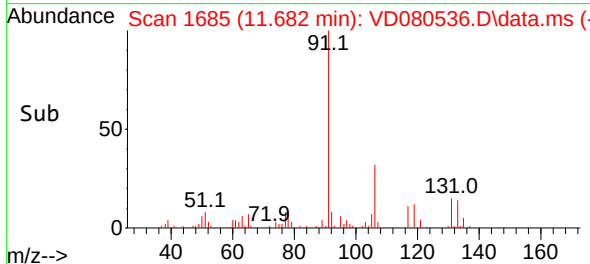
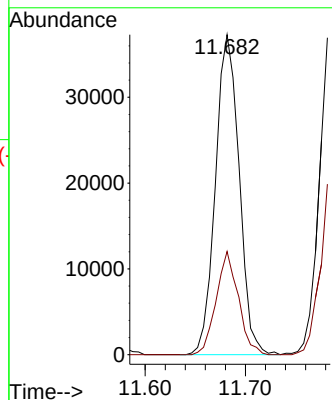
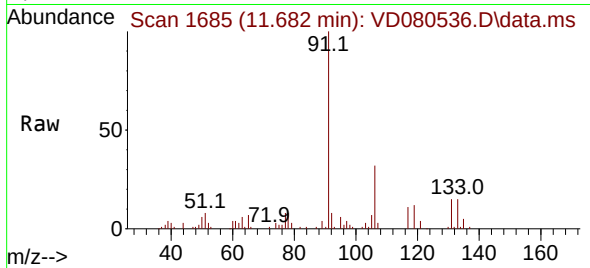




#67
Ethyl Benzene
Concen: 3.790 ug/l
RT: 11.682 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

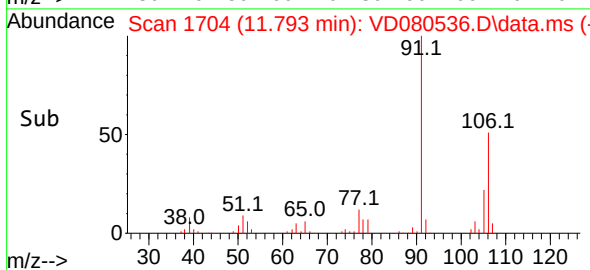
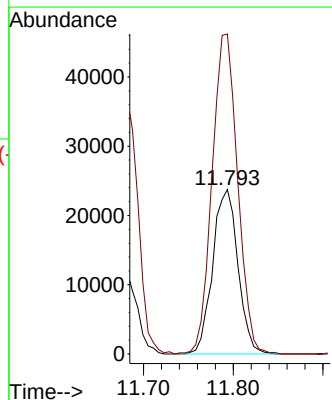
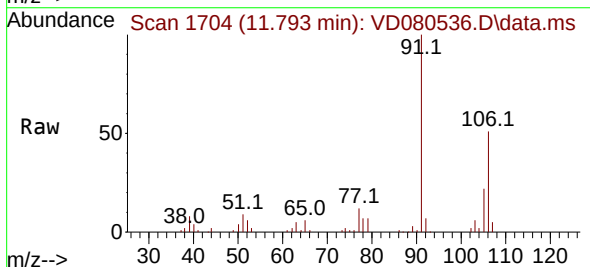
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

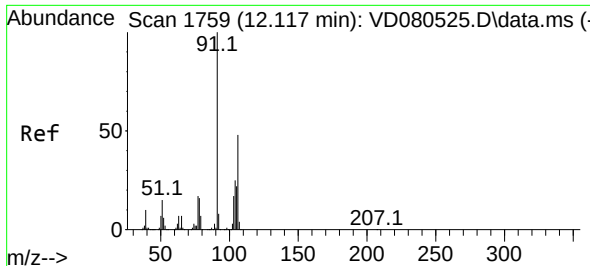
Tgt Ion: 91 Resp: 61245
Ion Ratio Lower Upper
91 100
106 32.2 25.4 38.0



#68
m/p-Xylenes
Concen: 7.500 ug/l
RT: 11.793 min Scan# 1704
Delta R.T. 0.006 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

Tgt Ion: 106 Resp: 46356
Ion Ratio Lower Upper
106 100
91 196.9 158.7 238.1

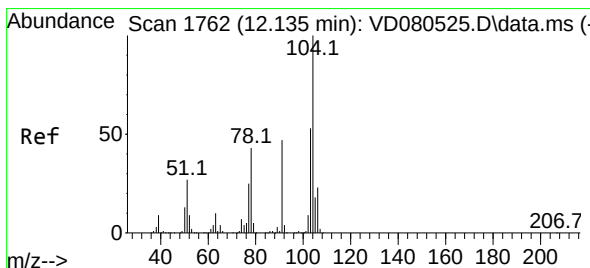
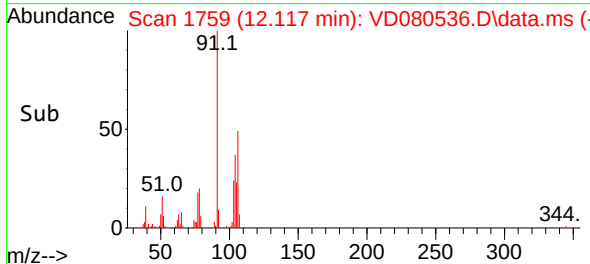
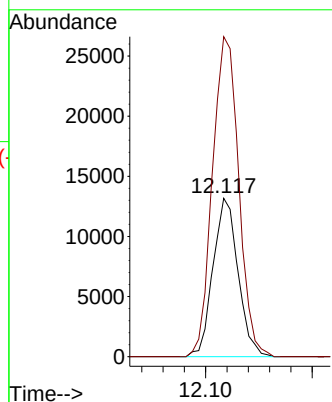
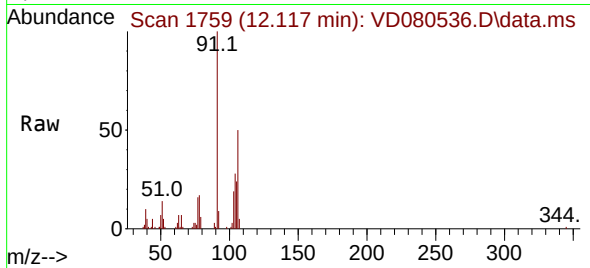




#69
o-Xylene
Concen: 3.760 ug/l
RT: 12.117 min Scan# 1759
Delta R.T. 0.000 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

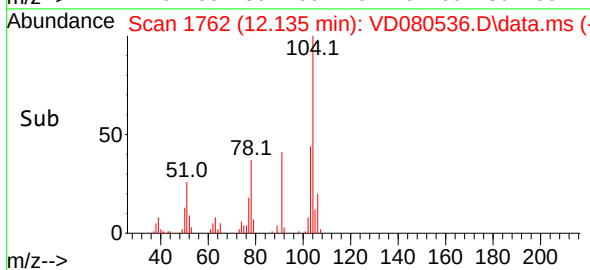
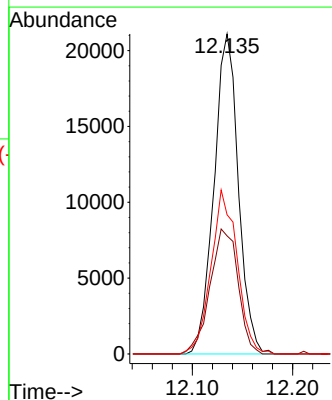
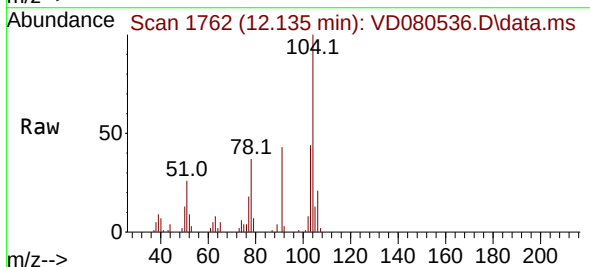
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

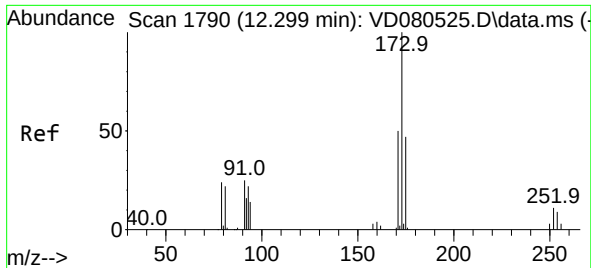
Tgt Ion:106 Resp: 21484
Ion Ratio Lower Upper
106 100
91 212.1 105.8 317.3



#70
Styrene
Concen: 3.778 ug/l
RT: 12.135 min Scan# 1762
Delta R.T. 0.000 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

Tgt Ion:104 Resp: 35631
Ion Ratio Lower Upper
104 100
78 44.7 37.8 56.8
103 54.9 43.8 65.8

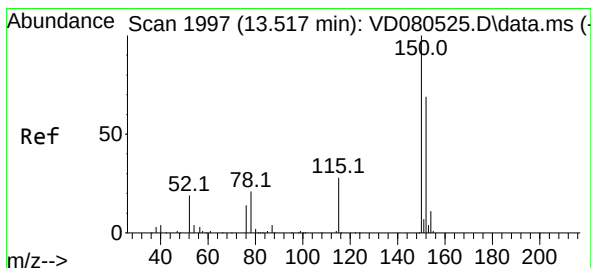
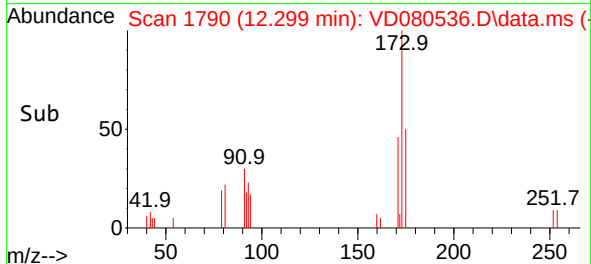
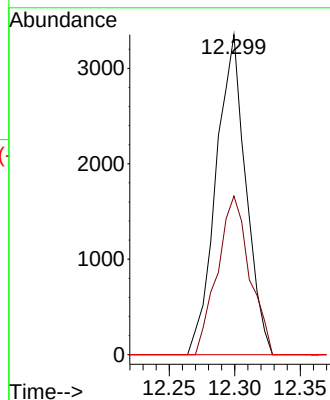
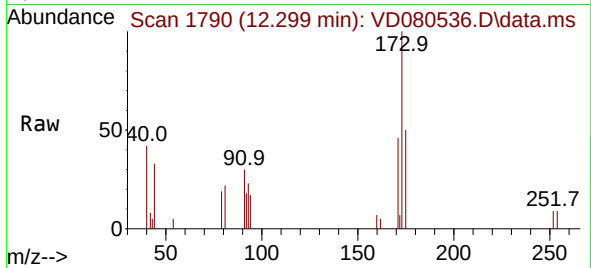




#71
Bromoform
Concen: 4.066 ug/l
RT: 12.299 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

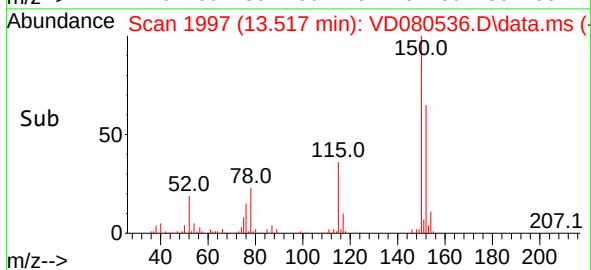
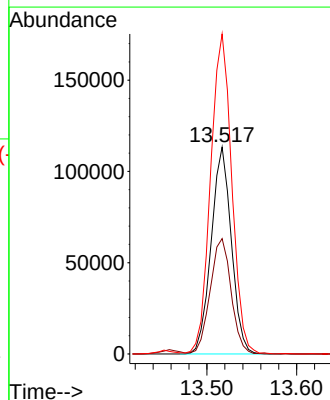
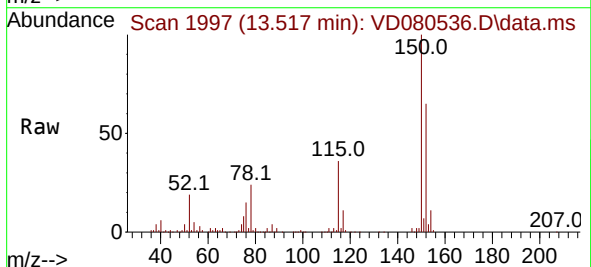
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

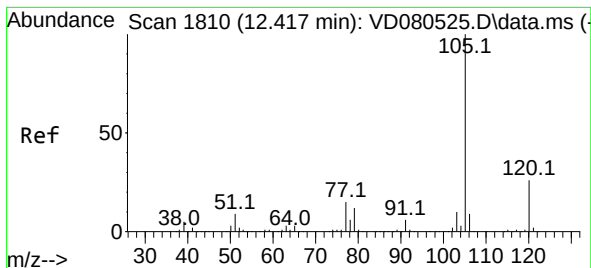
Tgt Ion:173 Resp: 5296
Ion Ratio Lower Upper
173 100
175 53.6 24.1 72.2
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.517 min Scan# 1997
Delta R.T. 0.000 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

Tgt Ion:152 Resp: 176975
Ion Ratio Lower Upper
152 100
115 58.0 28.1 84.3
150 162.0 0.0 345.6





#73

Isopropylbenzene

Concen: 3.759 ug/l

RT: 12.417 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VD080536.D

Acq: 18 Nov 2025 12:32

Instrument :

MSVOA_D

ClientSampleId :

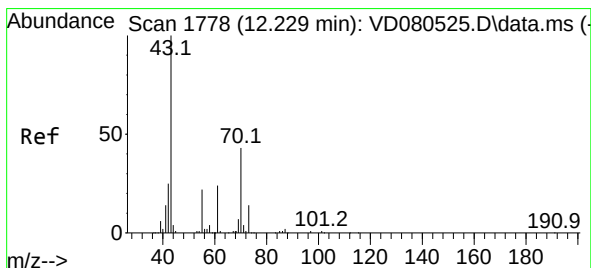
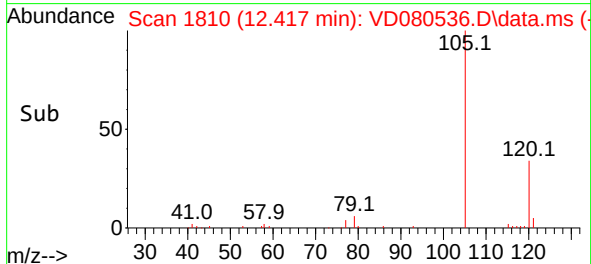
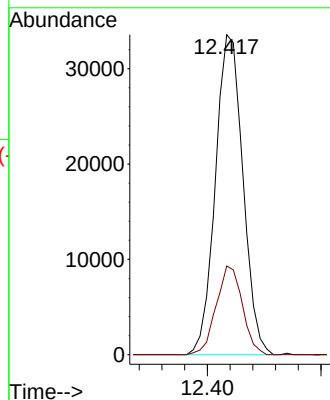
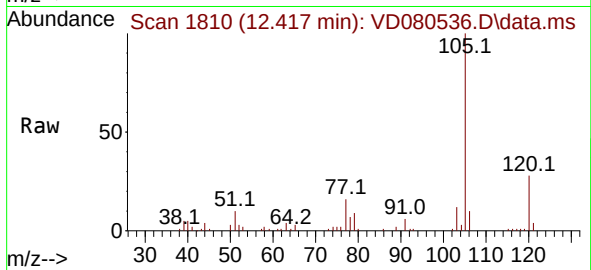
LOD-MDL-SOIL-01-QT4-2025

Tgt Ion:105 Resp: 56472

Ion Ratio Lower Upper

105 100

120 26.3 13.4 40.2



#74

N-ethyl acetate

Concen: 3.730 ug/l

RT: 12.235 min Scan# 1779

Delta R.T. 0.006 min

Lab File: VD080536.D

Acq: 18 Nov 2025 12:32

Tgt Ion: 43 Resp: 8686

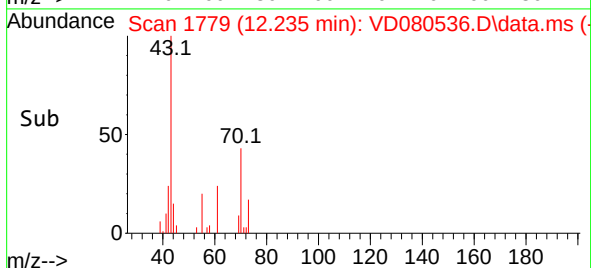
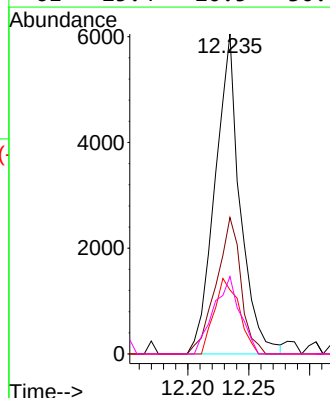
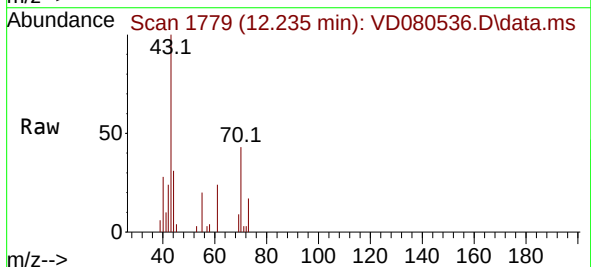
Ion Ratio Lower Upper

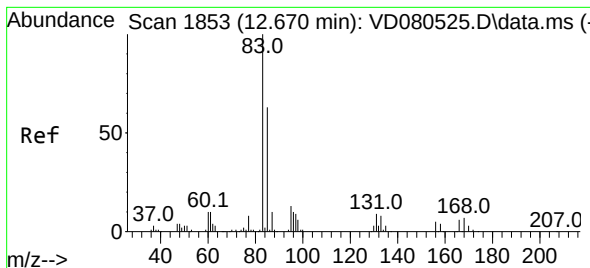
43 100

70 42.0 35.2 52.8

55 23.3 18.4 27.6

61 25.4 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 3.993 ug/l

RT: 12.670 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VD080536.D

Acq: 18 Nov 2025 12:32

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

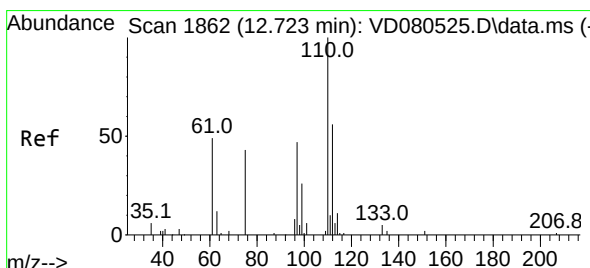
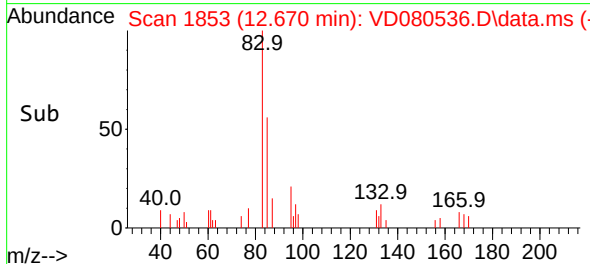
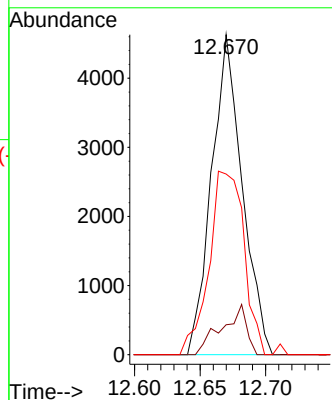
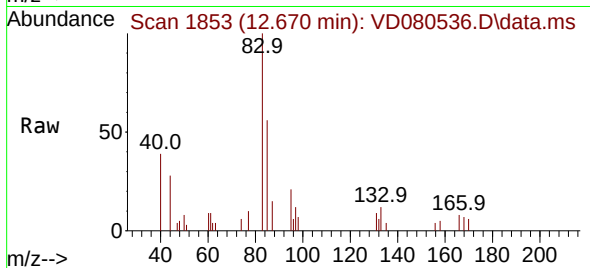
Tgt Ion: 83 Resp: 7523

Ion Ratio Lower Upper

83 100

131 12.6 4.9 14.6

85 65.0 31.8 95.3



#76

1,2,3-Trichloropropane

Concen: 7.572 ug/l

RT: 12.729 min Scan# 1863

Delta R.T. 0.006 min

Lab File: VD080536.D

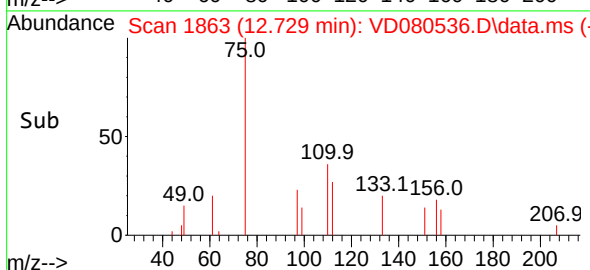
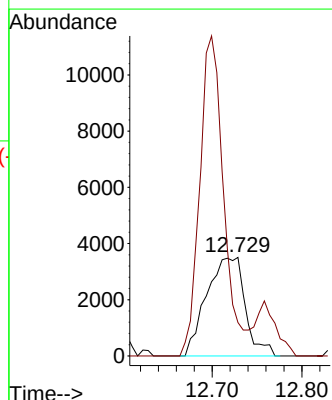
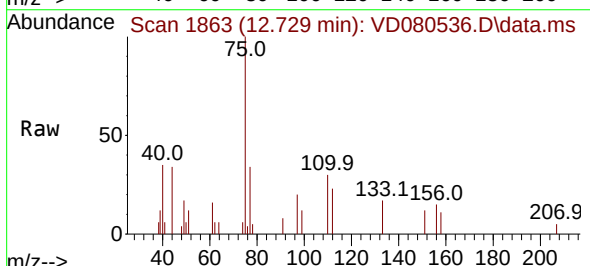
Acq: 18 Nov 2025 12:32

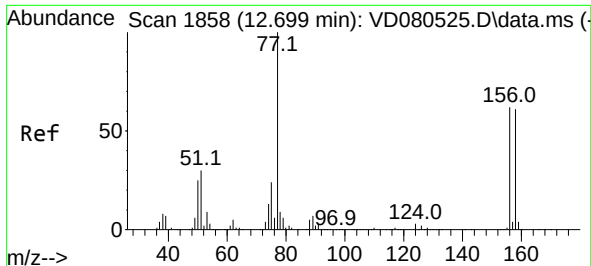
Tgt Ion: 75 Resp: 10437

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

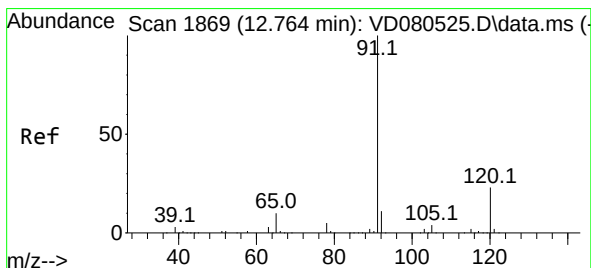
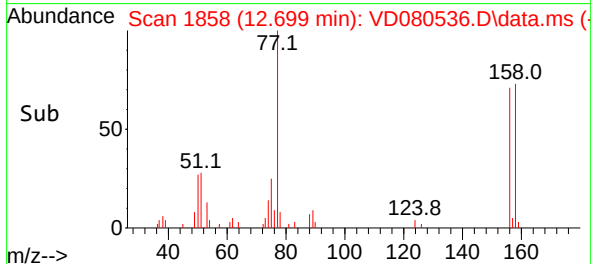
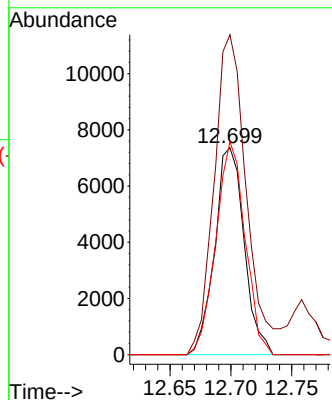
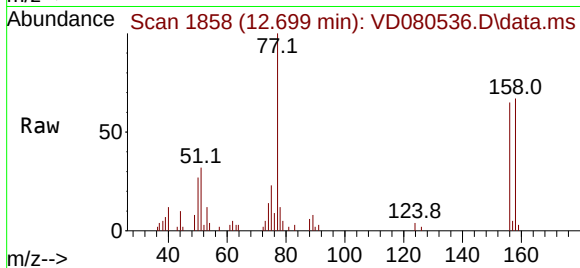




#77
Bromobenzene
Concen: 3.881 ug/l
RT: 12.699 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

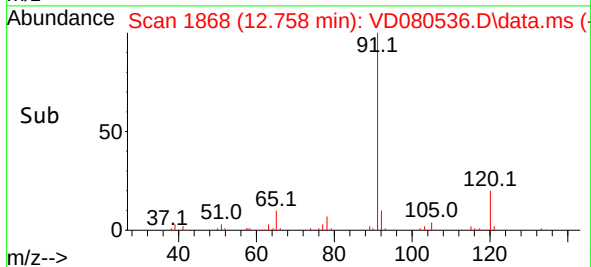
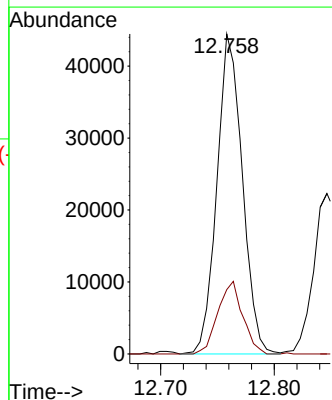
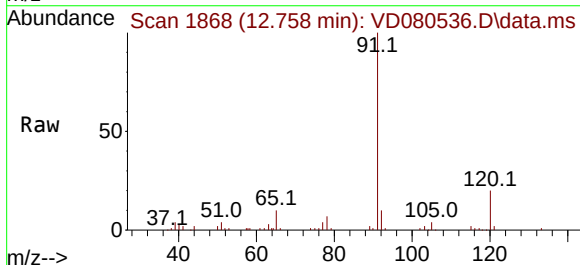
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

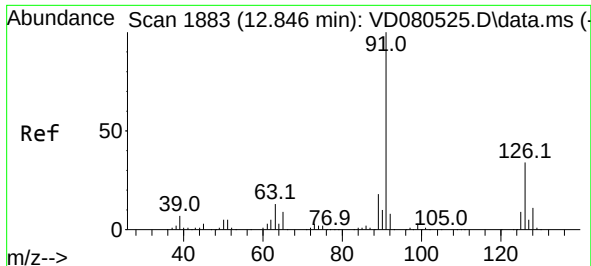
Tgt Ion:156 Resp: 12376
Ion Ratio Lower Upper
156 100
77 168.0 85.3 255.9
158 102.4 48.4 145.0



#78
n-propylbenzene
Concen: 3.835 ug/l
RT: 12.758 min Scan# 1868
Delta R.T. -0.006 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

Tgt Ion: 91 Resp: 69108
Ion Ratio Lower Upper
91 100
120 22.2 11.4 34.2

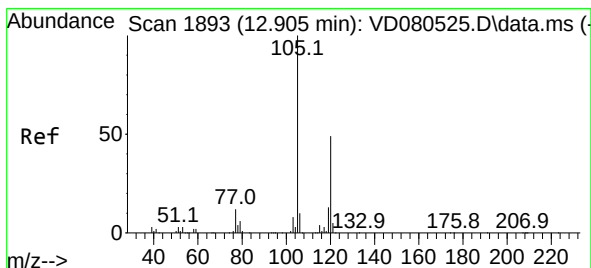
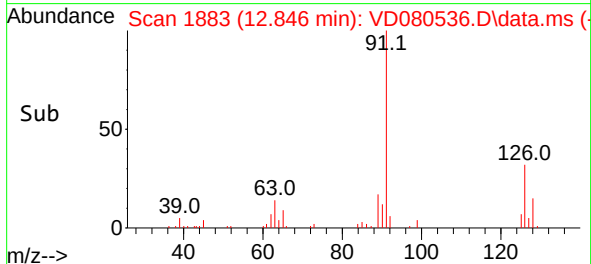
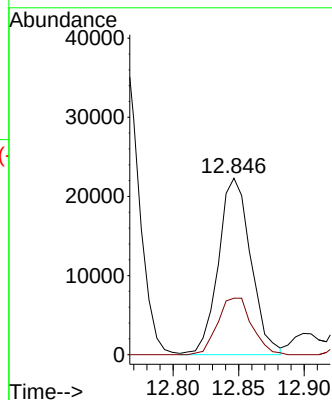
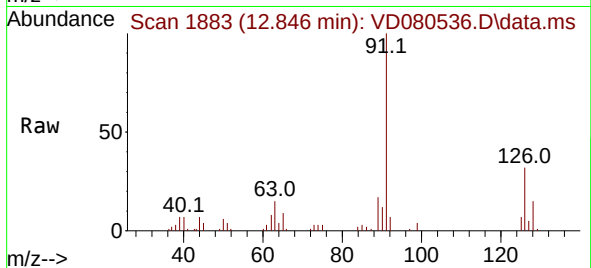




#79
2-Chlorotoluene
Concen: 3.868 ug/l
RT: 12.846 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

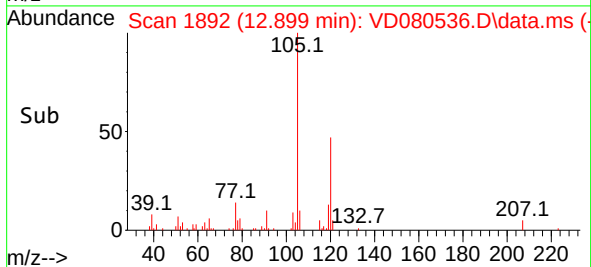
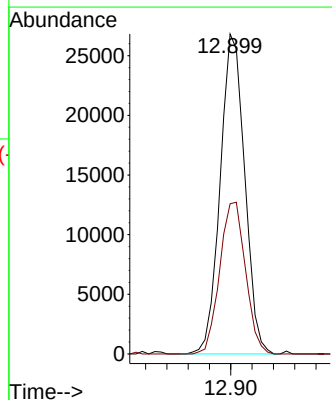
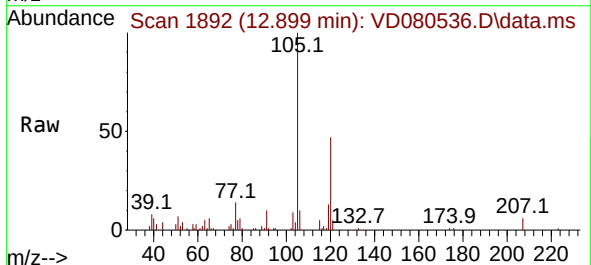
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

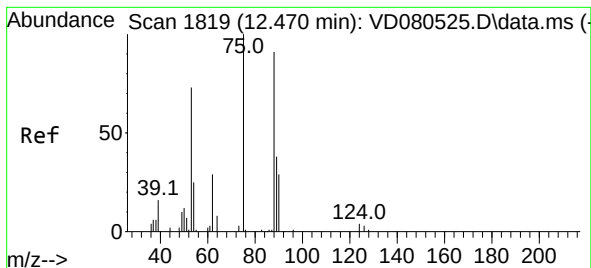
Tgt Ion: 91 Resp: 38352
Ion Ratio Lower Upper
91 100
126 33.8 17.4 52.2



#80
1,3,5-Trimethylbenzene
Concen: 3.605 ug/l
RT: 12.899 min Scan# 1892
Delta R.T. -0.006 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

Tgt Ion: 105 Resp: 42813
Ion Ratio Lower Upper
105 100
120 49.8 24.6 74.0

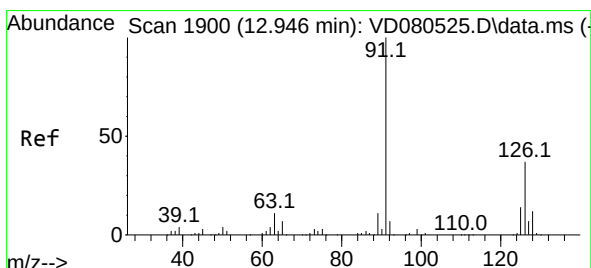
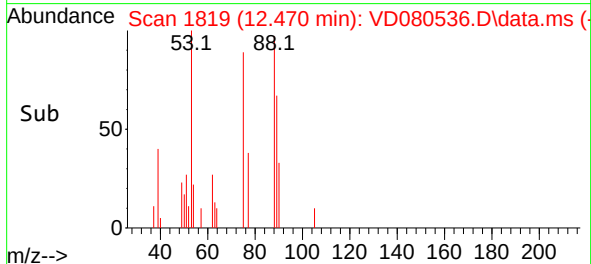
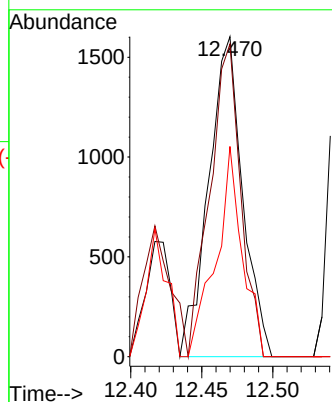
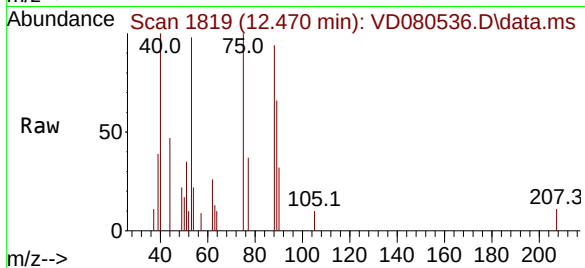




#81
trans-1,4-Dichloro-2-butene
Concen: 3.700 ug/l
RT: 12.470 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

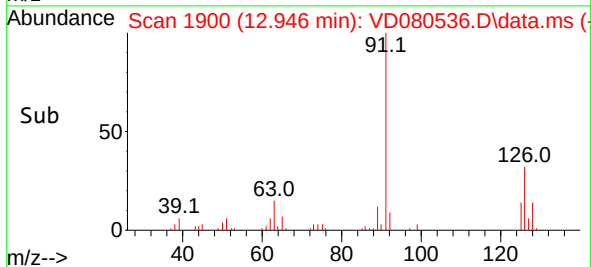
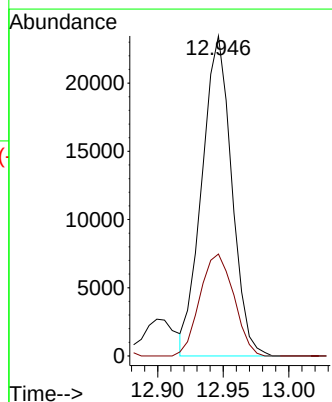
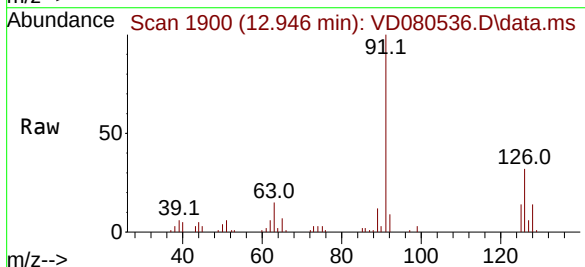
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

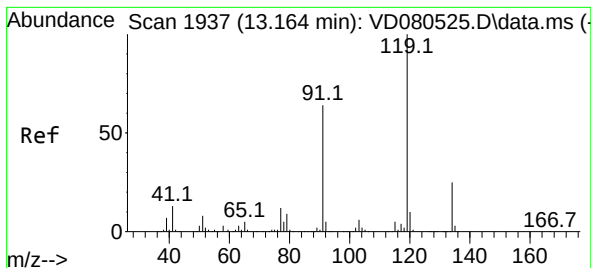
Tgt Ion:	75	Resp:	2671
Ion	Ratio	Lower	Upper
75	100		
53	88.7	62.8	94.2
89	51.2	36.6	54.8



#82
4-Chlorotoluene
Concen: 3.679 ug/l
RT: 12.946 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

Tgt Ion:	91	Resp:	37085
Ion	Ratio	Lower	Upper
91	100		
126	36.2	17.4	52.2





#83

tert-Butylbenzene

Concen: 3.871 ug/l

RT: 13.164 min Scan# 1937

Delta R.T. 0.000 min

Lab File: VD080536.D

Acq: 18 Nov 2025 12:32

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

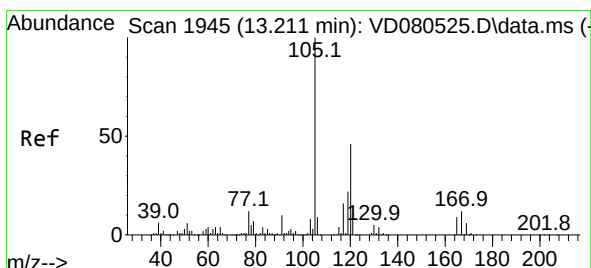
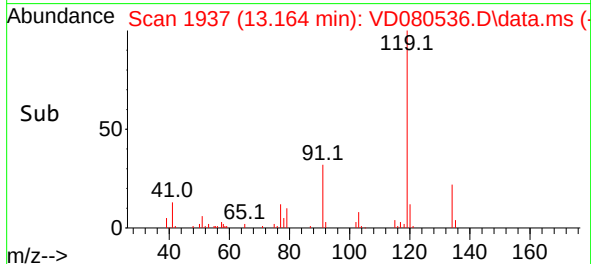
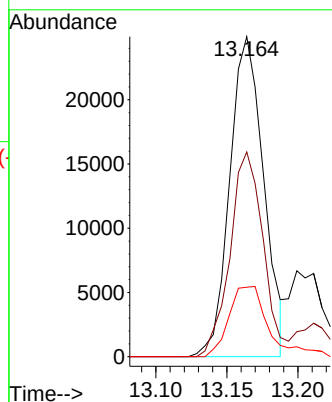
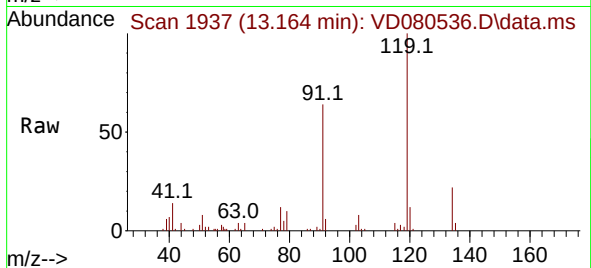
Tgt Ion:119 Resp: 41334

Ion Ratio Lower Upper

119 100

91 62.6 30.4 91.3

134 25.7 13.1 39.3



#84

1,2,4-Trimethylbenzene

Concen: 3.824 ug/l

RT: 13.211 min Scan# 1945

Delta R.T. 0.000 min

Lab File: VD080536.D

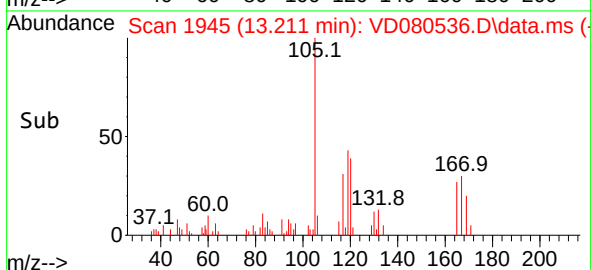
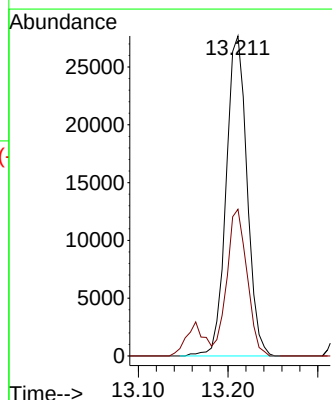
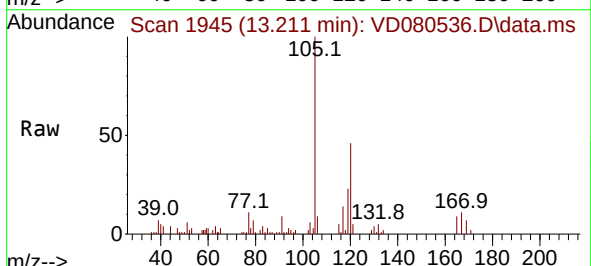
Acq: 18 Nov 2025 12:32

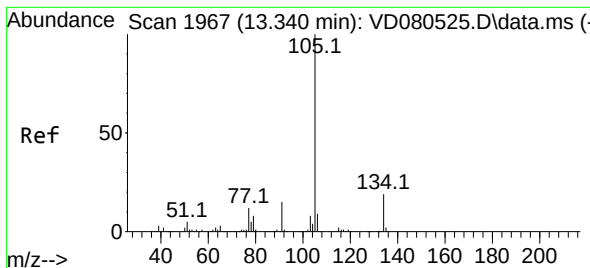
Tgt Ion:105 Resp: 44688

Ion Ratio Lower Upper

105 100

120 44.4 22.7 68.1





#85

sec-Butylbenzene

Concen: 3.765 ug/l

RT: 13.340 min Scan# 1967

Delta R.T. 0.000 min

Lab File: VD080536.D

Acq: 18 Nov 2025 12:32

Instrument :

MSVOA_D

ClientSampleId :

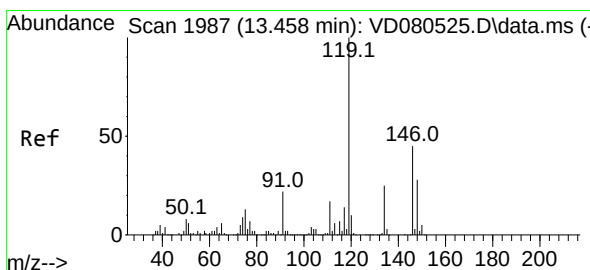
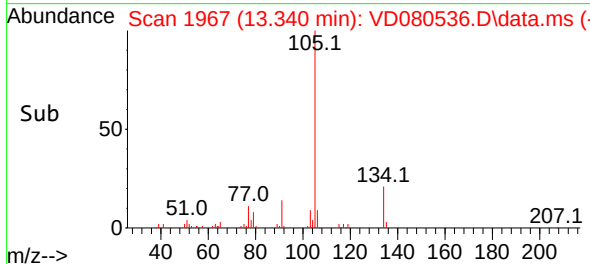
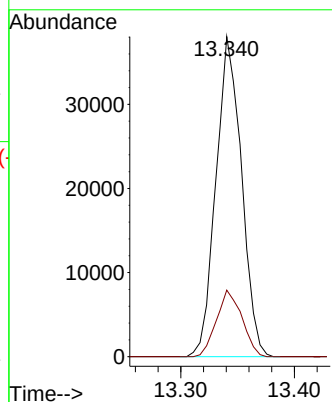
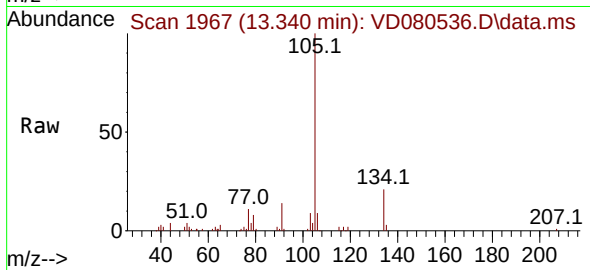
LOD-MDL-SOIL-01-QT4-2025

Tgt Ion:105 Resp: 59520

Ion Ratio Lower Upper

105 100

134 20.7 10.0 30.0



#86

p-Isopropyltoluene

Concen: 3.676 ug/l

RT: 13.458 min Scan# 1987

Delta R.T. 0.000 min

Lab File: VD080536.D

Acq: 18 Nov 2025 12:32

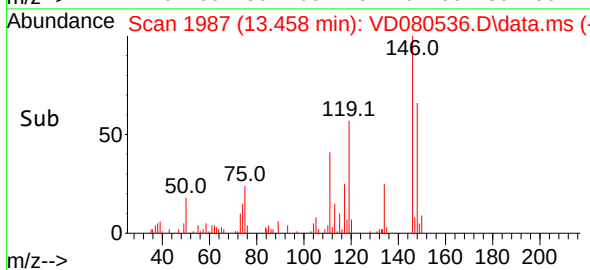
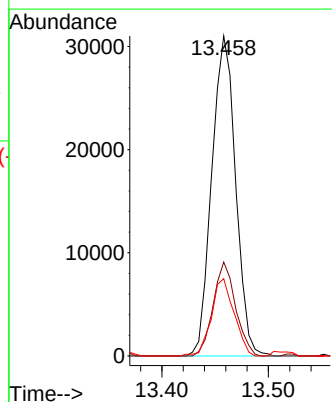
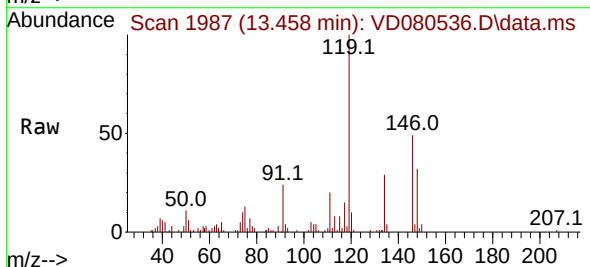
Tgt Ion:119 Resp: 48189

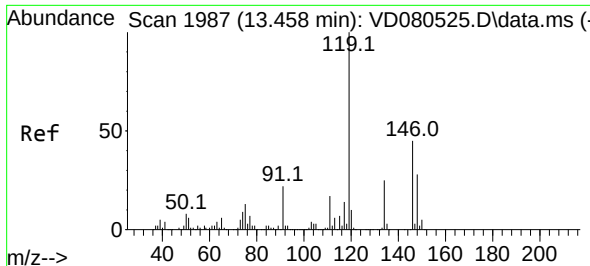
Ion Ratio Lower Upper

119 100

134 27.6 12.8 38.4

91 23.0 11.1 33.1

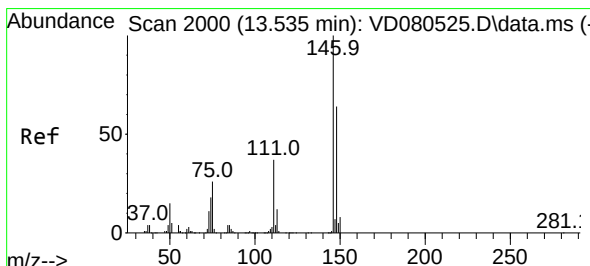
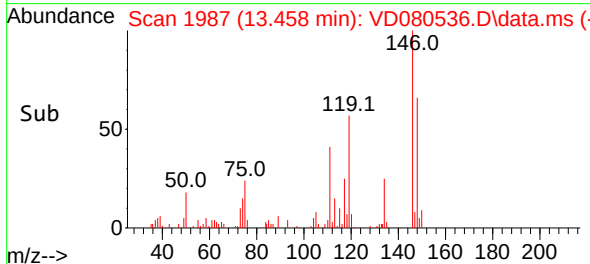
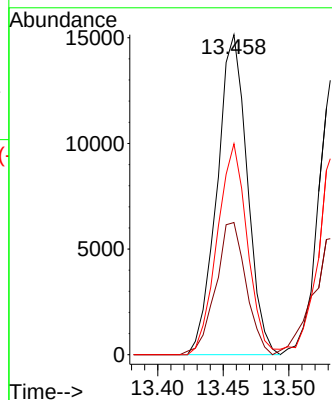
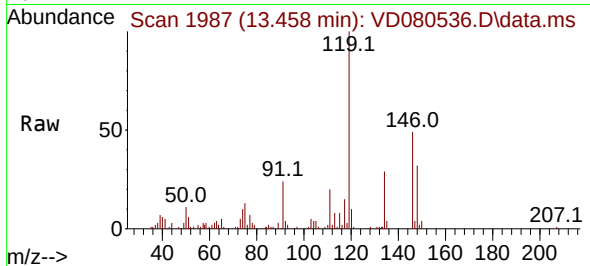




#87
1,3-Dichlorobenzene
Concen: 3.826 ug/l
RT: 13.458 min Scan# 1987
Delta R.T. 0.000 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

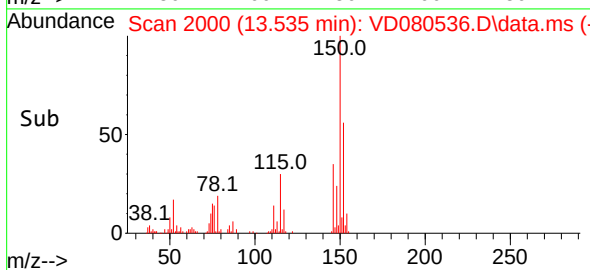
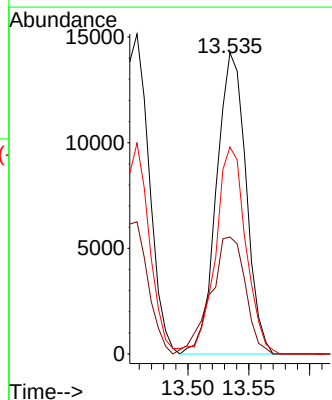
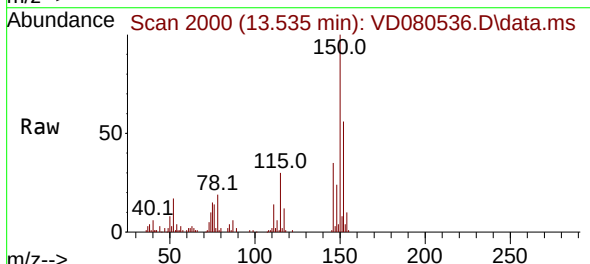
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

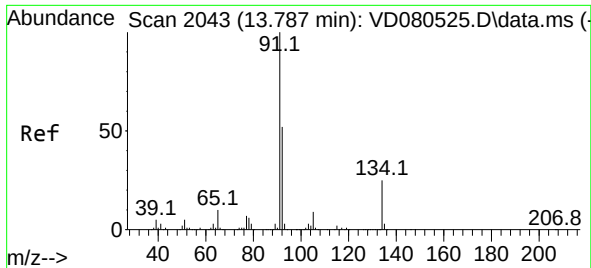
Tgt Ion:146 Resp: 24239
Ion Ratio Lower Upper
146 100
111 41.5 19.4 58.2
148 65.9 31.4 94.0



#88
1,4-Dichlorobenzene
Concen: 3.883 ug/l
RT: 13.535 min Scan# 2000
Delta R.T. 0.000 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

Tgt Ion:146 Resp: 24055
Ion Ratio Lower Upper
146 100
111 45.8 18.9 56.9
148 70.4 32.1 96.5

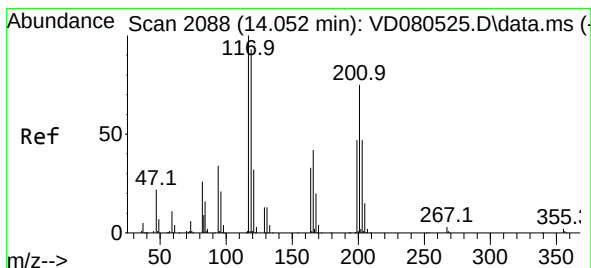
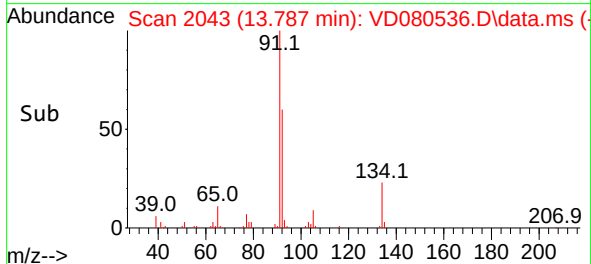
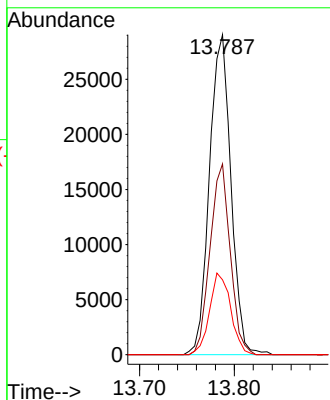
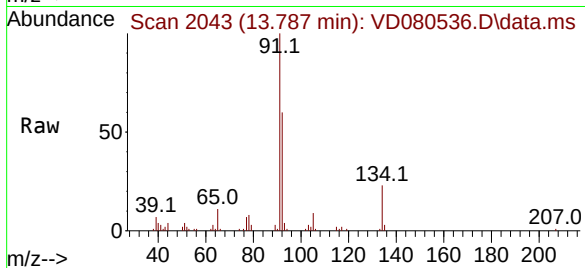




#89
n-Butylbenzene
Concen: 3.655 ug/l
RT: 13.787 min Scan# 2043
Delta R.T. 0.000 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

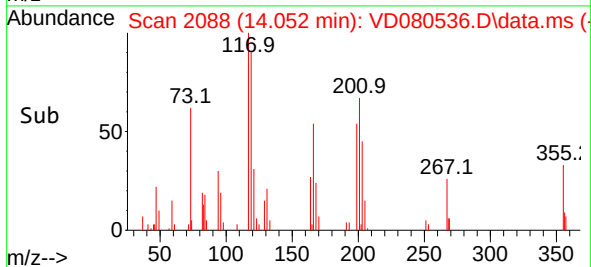
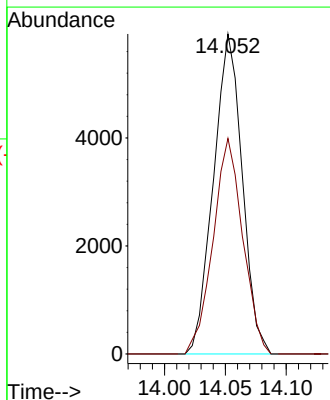
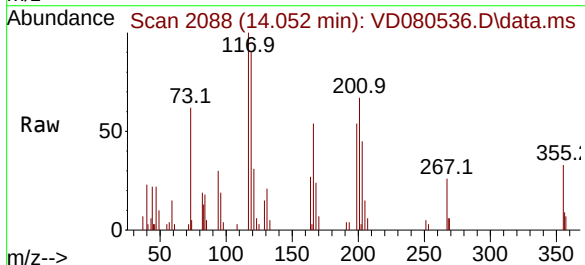
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

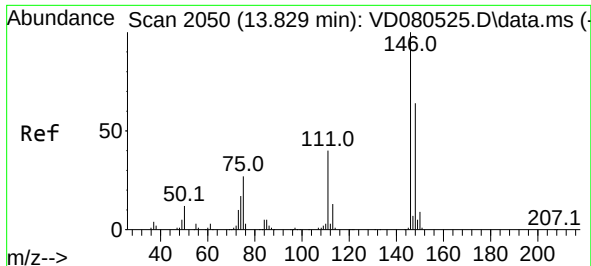
Tgt Ion: 91 Resp: 45693
Ion Ratio Lower Upper
91 100
92 56.0 26.7 80.1
134 25.1 12.6 37.8



#90
Hexachloroethane
Concen: 3.813 ug/l
RT: 14.052 min Scan# 2088
Delta R.T. 0.000 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

Tgt Ion: 117 Resp: 9751
Ion Ratio Lower Upper
117 100
201 69.5 36.7 110.1

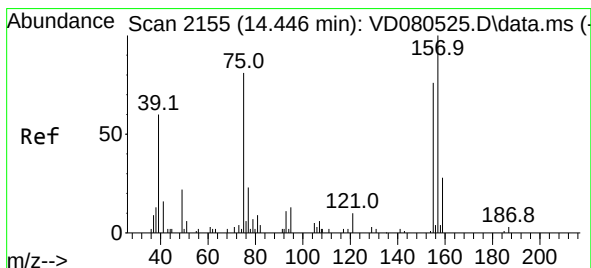
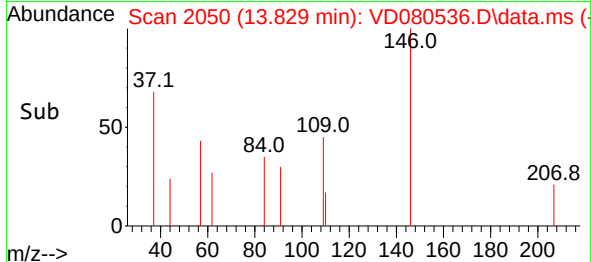
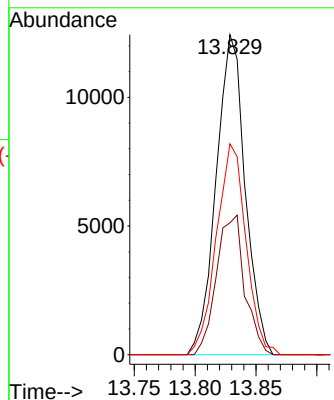
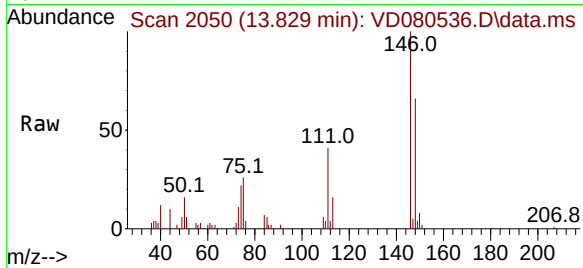




#91
1,2-Dichlorobenzene
Concen: 3.947 ug/l
RT: 13.829 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

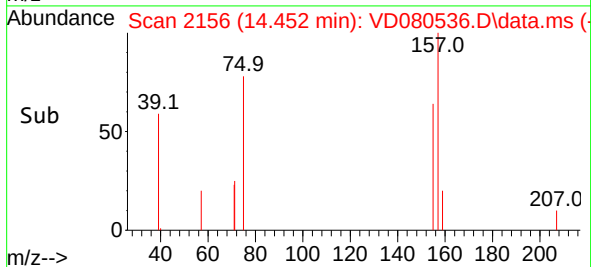
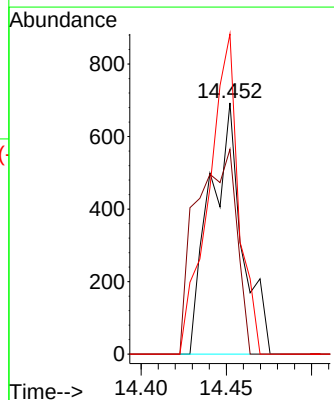
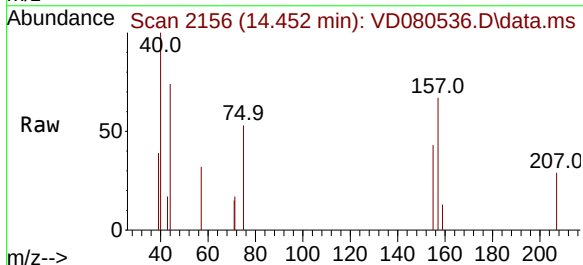
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2025

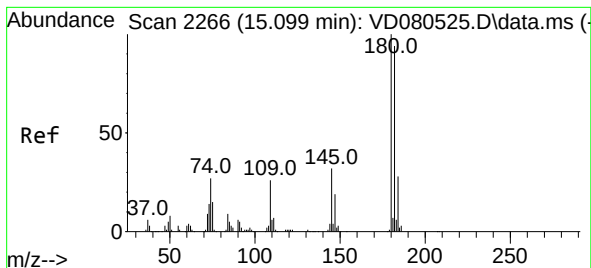
Tgt Ion:	146	Resp:	20664
Ion Ratio	Lower	Upper	
146	100		
111	42.5	20.3	60.8
148	67.2	32.2	96.6



#92
1,2-Dibromo-3-Chloropropane
Concen: 3.500 ug/l
RT: 14.452 min Scan# 2156
Delta R.T. 0.006 min
Lab File: VD080536.D
Acq: 18 Nov 2025 12:32

Tgt Ion:	75	Resp:	908
Ion Ratio	Lower	Upper	
75	100		
155	102.0	46.4	139.2
157	118.9	59.6	178.7





#93

1,2,4-Trichlorobenzene

Concen: 4.015 ug/l

RT: 15.093 min Scan# 21

Delta R.T. -0.006 min

Lab File: VD080536.D

Acq: 18 Nov 2025 12:32

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

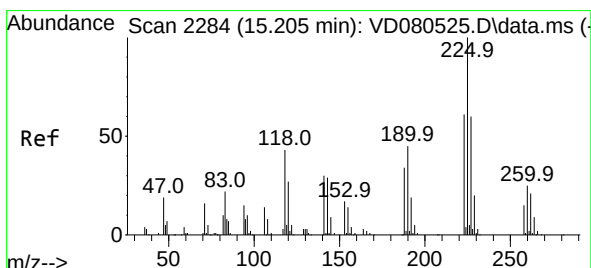
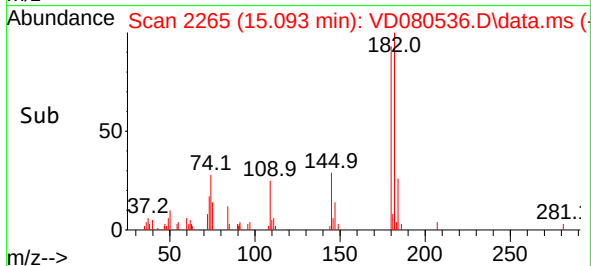
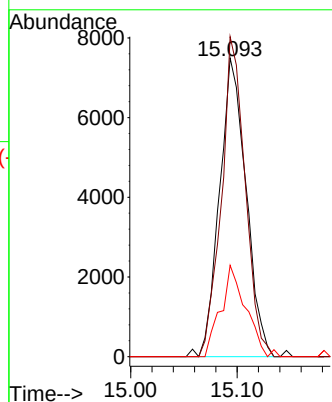
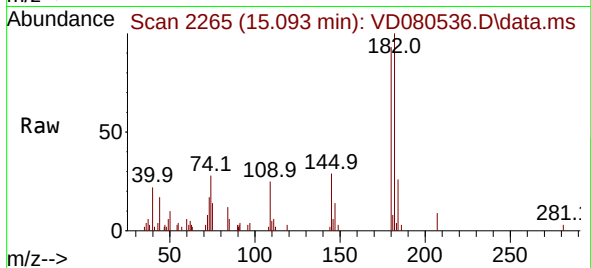
Tgt Ion:180 Resp: 12981

Ion Ratio Lower Upper

180 100

182 95.6 47.1 141.4

145 29.0 14.7 44.1



#94

Hexachlorobutadiene

Concen: 3.839 ug/l

RT: 15.205 min Scan# 2284

Delta R.T. 0.000 min

Lab File: VD080536.D

Acq: 18 Nov 2025 12:32

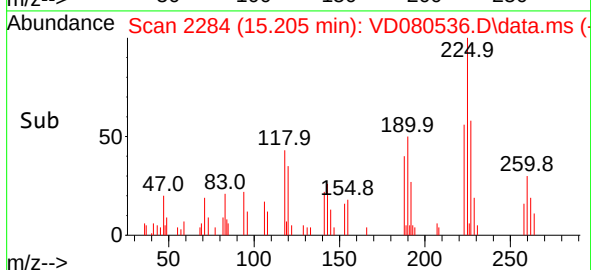
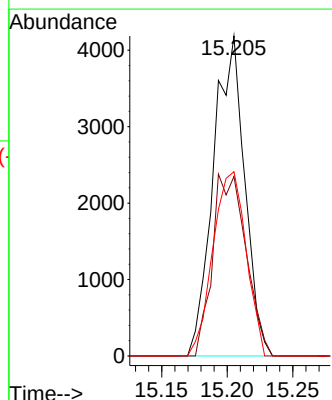
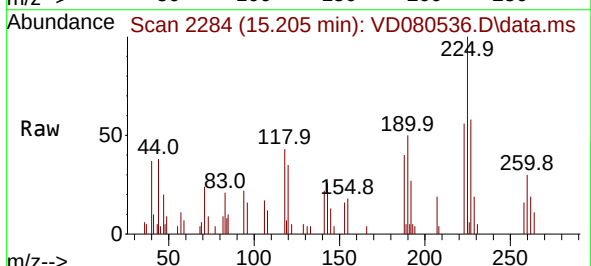
Tgt Ion:225 Resp: 6911

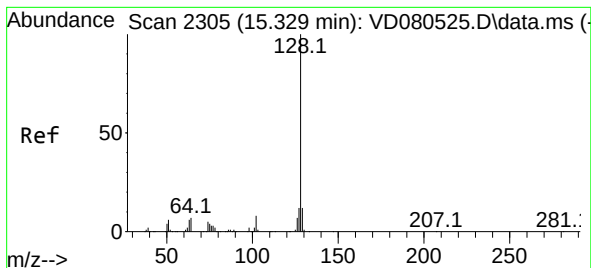
Ion Ratio Lower Upper

225 100

223 61.1 31.4 94.0

227 61.3 31.9 95.5





#95

Naphthalene

Concen: 3.952 ug/l

RT: 15.334 min Scan# 21

Delta R.T. 0.006 min

Lab File: VD080536.D

Acq: 18 Nov 2025 12:32

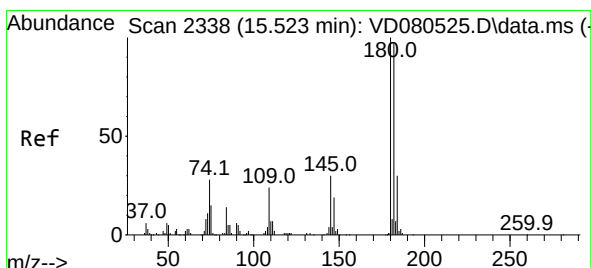
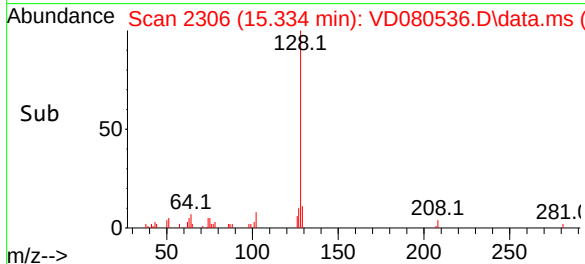
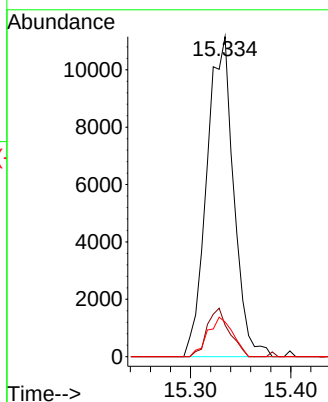
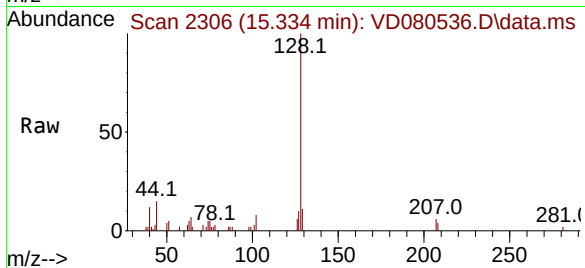
Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

Tgt Ion:128	Resp:	20796
Ion Ratio	Lower	Upper
128	100	
127	9.8	9.8 14.6
129	10.8	9.2 13.8



#96

1,2,3-Trichlorobenzene

Concen: 4.124 ug/l

RT: 15.517 min Scan# 2337

Delta R.T. -0.006 min

Lab File: VD080536.D

Acq: 18 Nov 2025 12:32

Tgt Ion:180	Resp:	10802
Ion Ratio	Lower	Upper
180	100	
182	97.6	48.4 145.2
145	31.7	15.9 47.6

