

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062625\
 Data File : VD080484.D
 Acq On : 26 Jun 2025 16:24
 Operator : RP/MD
 Sample : Q2126-01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-03-QT2-2025

Quant Time: Jun 27 05:46:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062625S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 27 05:45:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.876	168	420392	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	784511	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	689061	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	310760	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.235	65	227626	55.231	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.460%	
35) Dibromofluoromethane	7.805	113	240636	54.778	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.560%	
50) Toluene-d8	10.270	98	967525	54.518	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 109.040%	
62) 4-Bromofluorobenzene	12.570	95	310925	53.433	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 106.860%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.935	85	9161	2.451	ug/l	82
3) Chloromethane	2.147	50	13908	2.665	ug/l #	86
4) Vinyl Chloride	2.288	62	13916	2.628	ug/l	94
5) Bromomethane	2.700	94	10176	3.477	ug/l	96
6) Chloroethane	2.841	64	10508	3.162	ug/l #	84
7) Trichlorofluoromethane	3.176	101	17416	2.615	ug/l	91
8) Diethyl Ether	3.588	74	7152	2.758	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.964	101	11494	2.609	ug/l	96
10) Methyl Iodide	4.170	142	12187	2.349	ug/l	98
11) Tert butyl alcohol	5.053	59	4664	13.899	ug/l #	71
12) 1,1-Dichloroethene	3.947	96	12554	2.639	ug/l	94
13) Acrolein	3.817	56	3241	7.087	ug/l #	59
14) Allyl chloride	4.570	41	20970	2.517	ug/l	91
15) Acrylonitrile	5.258	53	16790	13.610	ug/l	97
16) Acetone	4.023	43	12325	11.575	ug/l	89
17) Carbon Disulfide	4.276	76	36507	2.430	ug/l	97
18) Methyl Acetate	4.570	43	11106	3.429	ug/l #	83
19) Methyl tert-butyl Ether	5.317	73	30172	2.552	ug/l	100
20) Methylene Chloride	4.800	84	38890	5.834	ug/l	95
21) trans-1,2-Dichloroethene	5.317	96	13752	2.591	ug/l	92
22) Diisopropyl ether	6.211	45	41571	2.584	ug/l	91
23) Vinyl Acetate	6.152	43	106853	11.658	ug/l	97
24) 1,1-Dichloroethane	6.117	63	24854	2.633	ug/l	97
25) 2-Butanone	7.088	43	17373	11.116	ug/l	96
26) 2,2-Dichloropropane	7.082	77	18745	2.510	ug/l	100
27) cis-1,2-Dichloroethene	7.082	96	16349	2.577	ug/l	99
28) Bromochloromethane	7.423	49	10655	2.864	ug/l #	99
29) Tetrahydrofuran	7.447	42	14953	15.187	ug/l	92
30) Chloroform	7.594	83	24223	2.681	ug/l	99
31) Cyclohexane	7.876	56	29283	3.202	ug/l #	75
32) 1,1,1-Trichloroethane	7.788	97	19552	2.588	ug/l	99
36) 1,1-Dichloropropene	8.011	75	16886	2.461	ug/l	95
37) Ethyl Acetate	7.170	43	6838	2.051	ug/l #	90
38) Carbon Tetrachloride	7.994	117	16117	2.459	ug/l	94
39) Methylcyclohexane	9.276	83	23245	2.461	ug/l	96
40) Benzene	8.252	78	56805	2.580	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	5047	2.368	ug/l	89
42) 1,2-Dichloroethane	8.323	62	13859	2.675	ug/l	97
43) Isopropyl Acetate	8.358	43	17230	2.626	ug/l #	88
44) Trichloroethene	9.029	130	12905	2.418	ug/l	90
45) 1,2-Dichloropropane	9.311	63	12918	2.419	ug/l	96
46) Dibromomethane	9.393	93	7289	2.560	ug/l	97
47) Bromodichloromethane	9.582	83	17273	2.447	ug/l	97
48) Methyl methacrylate	9.382	41	8607	2.593	ug/l	93
49) 1,4-Dioxane	9.399	88	1679	45.454	ug/l #	78
51) 4-Methyl-2-Pentanone	10.158	43	41003	12.304	ug/l	100
52) Toluene	10.329	92	35319	2.566	ug/l	97
53) t-1,3-Dichloropropene	10.552	75	17765	2.513	ug/l	98
54) cis-1,3-Dichloropropene	10.017	75	21232	2.500	ug/l	99
55) 1,1,2-Trichloroethane	10.729	97	9811	2.528	ug/l	94
56) Ethyl methacrylate	10.593	69	13393	2.417	ug/l #	94
57) 1,3-Dichloropropane	10.876	76	16950	2.496	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.870	63	27832	13.153	ug/l	98
59) 2-Hexanone	10.923	43	28035	11.886	ug/l	98
60) Dibromochloromethane	11.076	129	11728	2.448	ug/l	98
61) 1,2-Dibromoethane	11.176	107	9417	2.537	ug/l	98
64) Tetrachloroethene	10.811	164	10343	2.418	ug/l	96
65) Chlorobenzene	11.605	112	36622	2.464	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.682	131	11577	2.479	ug/l	97
67) Ethyl Benzene	11.682	91	63321	2.436	ug/l	98
68) m/p-Xylenes	11.787	106	48428	4.893	ug/l	100
69) o-Xylene	12.117	106	23807	2.492	ug/l	99
70) Styrene	12.135	104	41884	2.592	ug/l	96
71) Bromoform	12.293	173	6647	2.499	ug/l #	97
73) Isopropylbenzene	12.417	105	58670	2.429	ug/l	98
74) N-amyl acetate	12.229	43	14678	2.320	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.670	83	11962	2.659	ug/l	97
76) 1,2,3-Trichloropropane	12.717	75	14687	5.560	ug/l #	100
77) Bromobenzene	12.699	156	13583	2.514	ug/l	97
78) n-propylbenzene	12.758	91	72375	2.489	ug/l	98
79) 2-Chlorotoluene	12.846	91	40502	2.422	ug/l	99
80) 1,3,5-Trimethylbenzene	12.899	105	47293	2.414	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.570	75	152279	85.661	ug/l #	19
82) 4-Chlorotoluene	12.946	91	43742	2.546	ug/l	98
83) tert-Butylbenzene	13.164	119	40212	2.347	ug/l	96
84) 1,2,4-Trimethylbenzene	13.205	105	49049	2.508	ug/l	97
85) sec-Butylbenzene	13.340	105	60802	2.402	ug/l	99
86) p-Isopropyltoluene	13.458	119	51013	2.436	ug/l	99
87) 1,3-Dichlorobenzene	13.458	146	27129	2.596	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	27761	2.662	ug/l	91
89) n-Butylbenzene	13.781	91	50244	2.500	ug/l	97
90) Hexachloroethane	14.052	117	9766	2.414	ug/l	98
91) 1,2-Dichlorobenzene	13.829	146	23229	2.526	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.440	75	1710	2.520	ug/l	93
93) 1,2,4-Trichlorobenzene	15.093	180	15515	2.692	ug/l	98
94) Hexachlorobutadiene	15.199	225	6708	2.522	ug/l	95
95) Naphthalene	15.328	128	31880	2.490	ug/l	97
96) 1,2,3-Trichlorobenzene	15.517	180	13290	2.682	ug/l	99

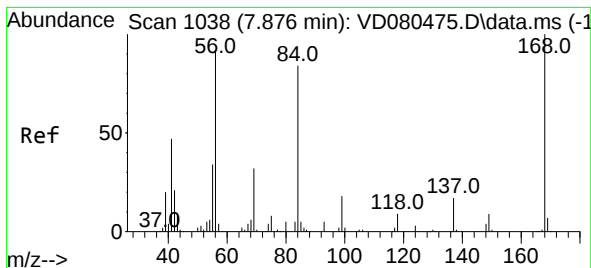
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Quant Title : SW846 8260
QLast Update : Fri Jun 27 05:45:13 2025
Response via : Initial Calibration

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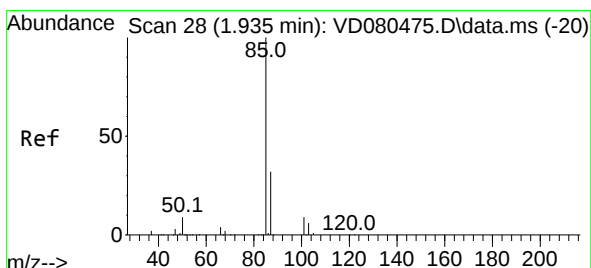
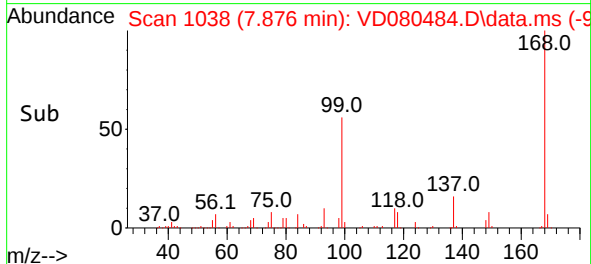
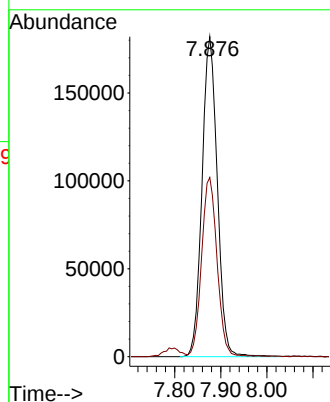
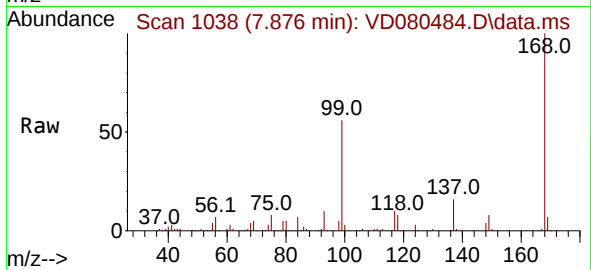
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

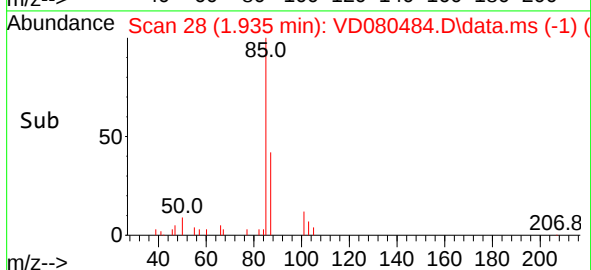
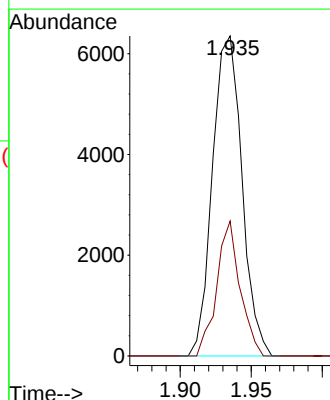
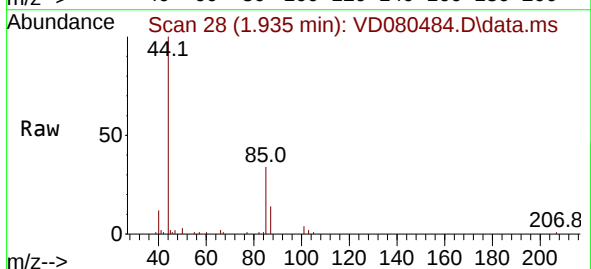
Instrument : MSVOA_D
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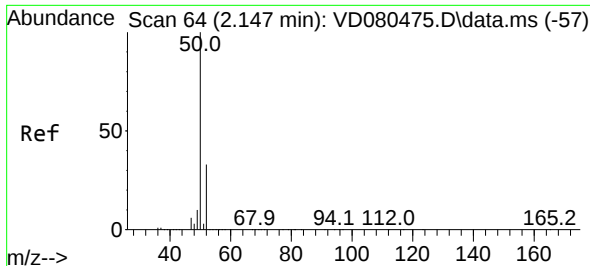
Tgt Ion:168 Resp: 420392
Ion Ratio Lower Upper
168 100
99 55.9 45.8 68.8



#2
Dichlorodifluoromethane
Concen: 2.451 ug/l
RT: 1.935 min Scan# 28
Delta R.T. -0.000 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

Tgt Ion: 85 Resp: 9161
Ion Ratio Lower Upper
85 100
87 42.1 16.0 47.9

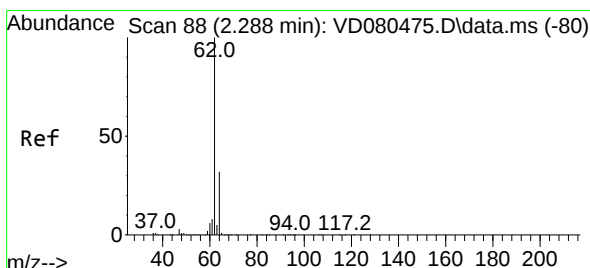
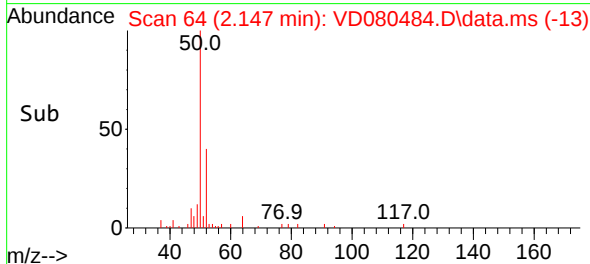
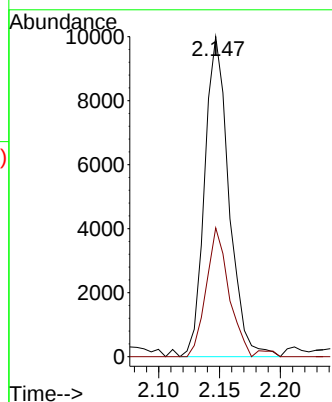
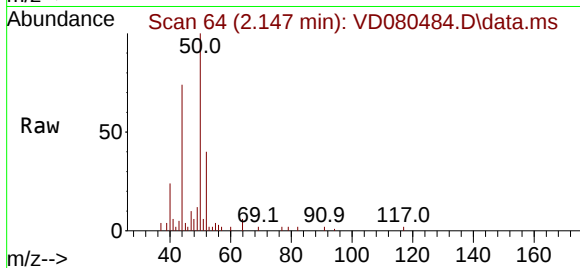




#3
Chloromethane
Concen: 2.665 ug/l
RT: 2.147 min Scan# 64
Delta R.T. -0.000 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

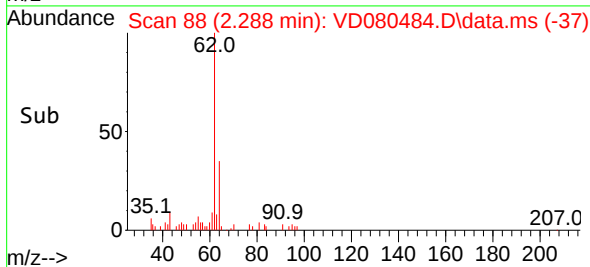
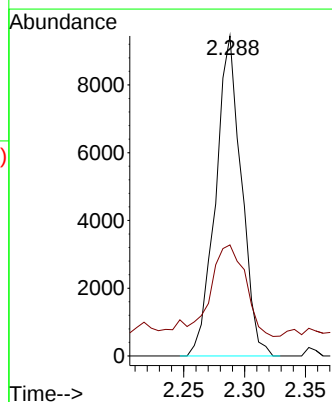
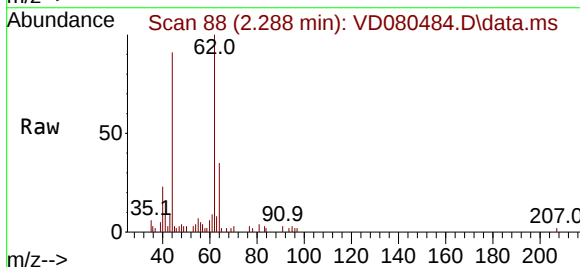
Instrument :
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ClientSampleId :
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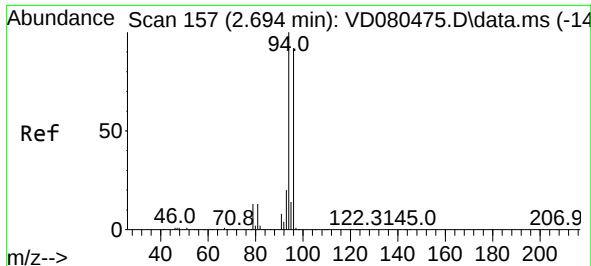
Tgt Ion: 50 Resp: 13908
Ion Ratio Lower Upper
50 100
52 40.3 26.1 39.1#



#4
Vinyl Chloride
Concen: 2.628 ug/l
RT: 2.288 min Scan# 88
Delta R.T. -0.000 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

Tgt Ion: 62 Resp: 13916
Ion Ratio Lower Upper
62 100
64 28.5 25.5 38.3

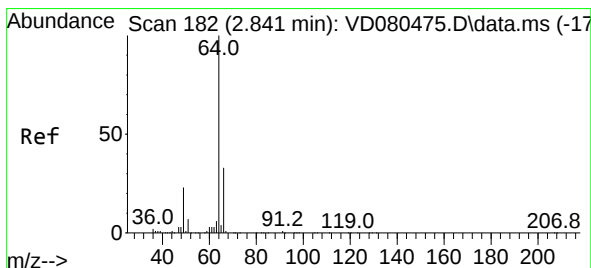
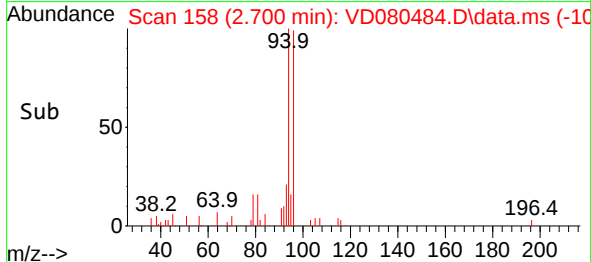
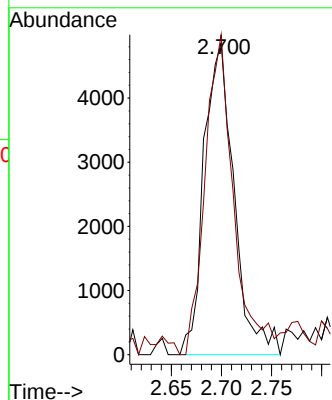
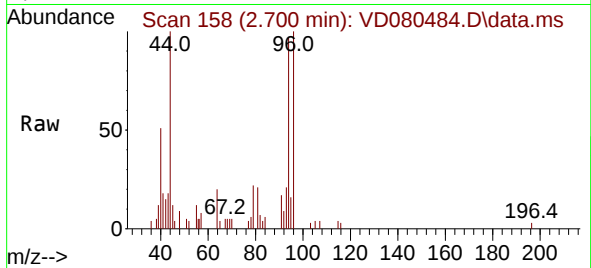




#5
Bromomethane
Concen: 3.477 ug/l
RT: 2.700 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

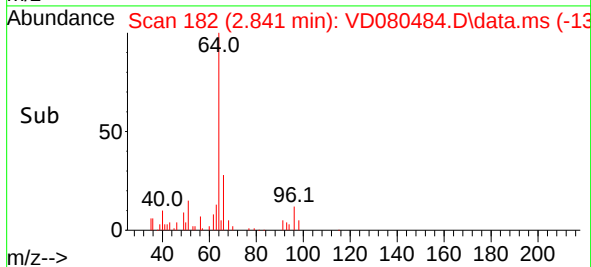
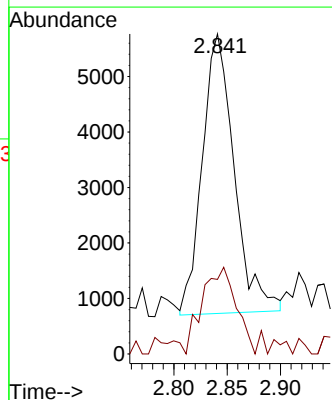
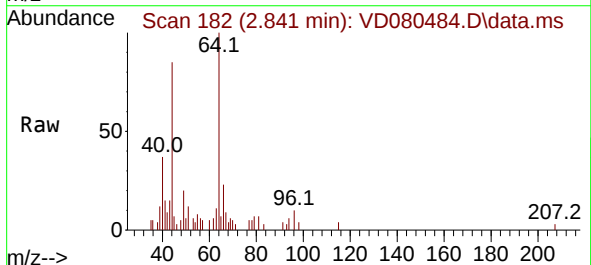
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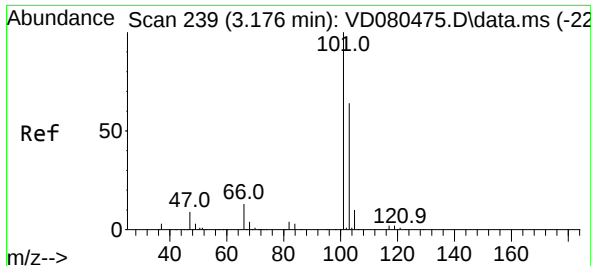
Tgt Ion: 94 Resp: 10176
Ion Ratio Lower Upper
94 100
96 96.9 74.8 112.2



#6
Chloroethane
Concen: 3.162 ug/l
RT: 2.841 min Scan# 182
Delta R.T. -0.000 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

Tgt Ion: 64 Resp: 10508
Ion Ratio Lower Upper
64 100
66 23.7 26.3 39.5#

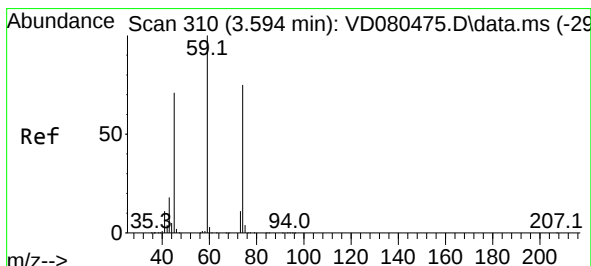
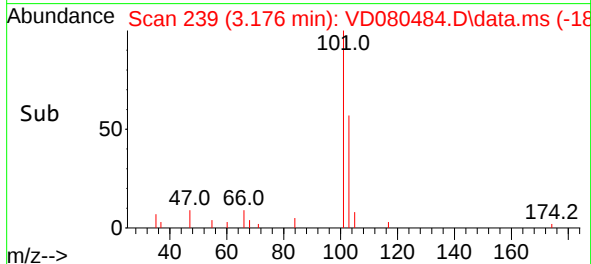
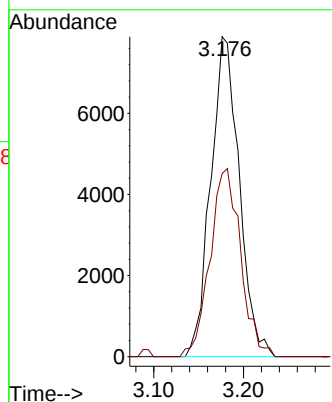
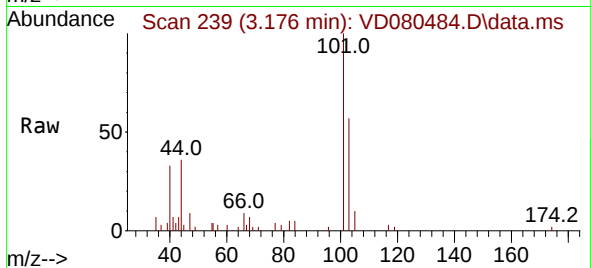




#7
 Trichlorofluoromethane
 Concen: 2.615 ug/l
 RT: 3.176 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VD080484.D
 Acq: 26 Jun 2025 16:24

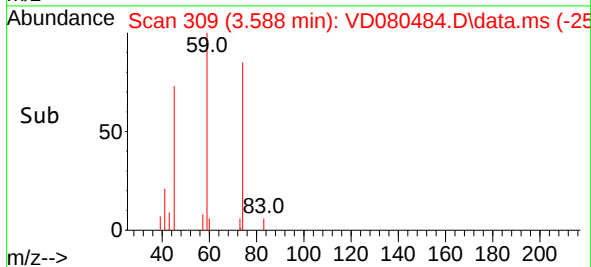
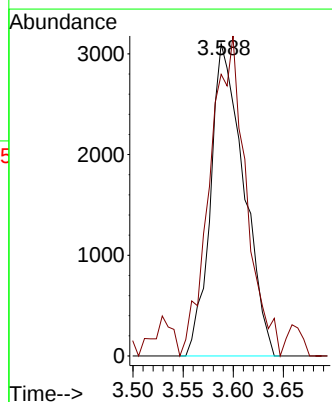
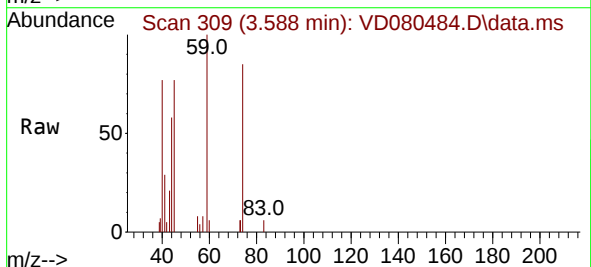
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 ClientSampleId :
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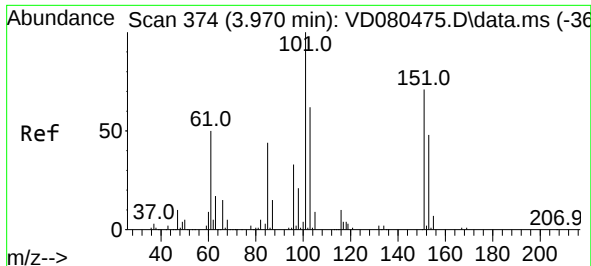
Tgt Ion:101 Resp: 17416
 Ion Ratio Lower Upper
 101 100
 103 57.2 51.3 76.9



#8
 Diethyl Ether
 Concen: 2.758 ug/l
 RT: 3.588 min Scan# 309
 Delta R.T. -0.006 min
 Lab File: VD080484.D
 Acq: 26 Jun 2025 16:24

Tgt Ion: 74 Resp: 7152
 Ion Ratio Lower Upper
 74 100
 45 110.8 46.6 139.8

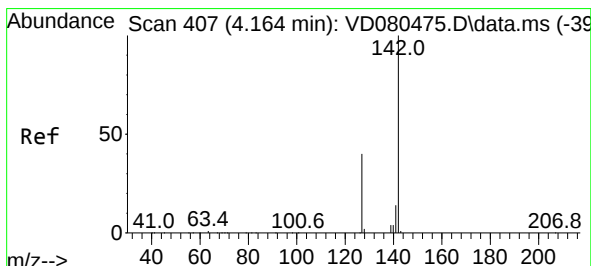
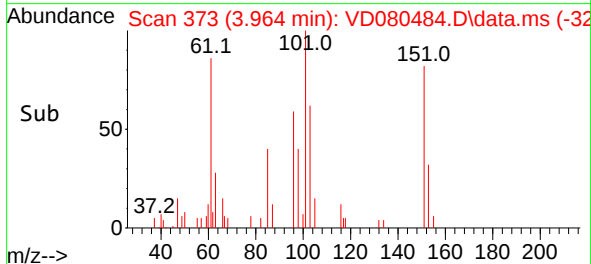
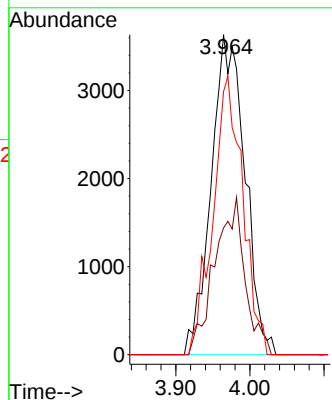
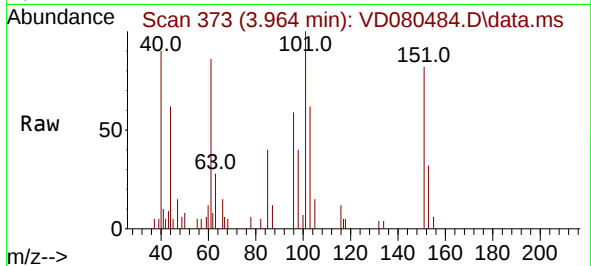




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.609 ug/l
RT: 3.964 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD080484.D
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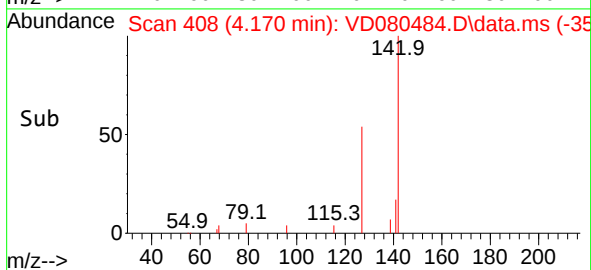
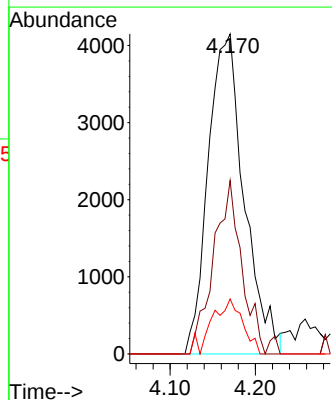
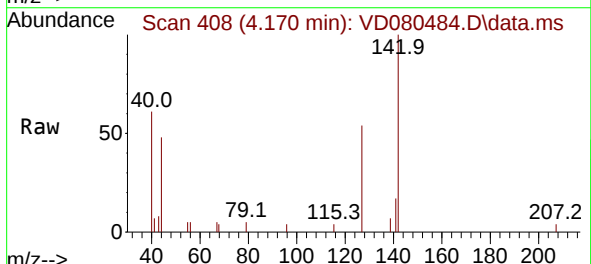
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

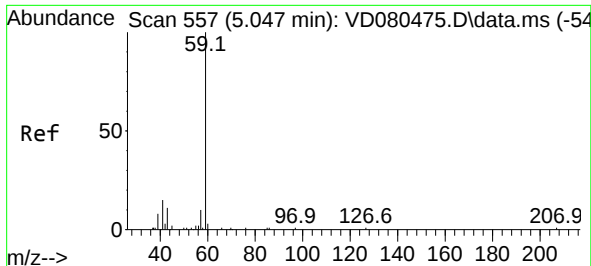
Tgt Ion:	101	Resp:	11494
Ion	Ratio	Lower	Upper
101	100		
85	44.0	34.0	51.0
151	77.2	58.4	87.6



#10
Methyl Iodide
Concen: 2.349 ug/l
RT: 4.170 min Scan# 408
Delta R.T. 0.006 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

Tgt Ion:	142	Resp:	12187
Ion	Ratio	Lower	Upper
142	100		
127	42.3	32.6	49.0
141	14.6	11.1	16.7

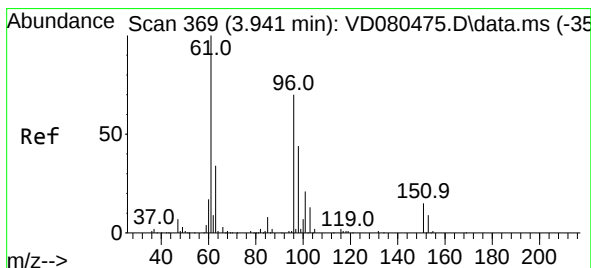
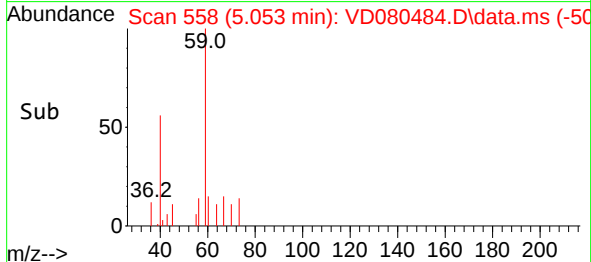
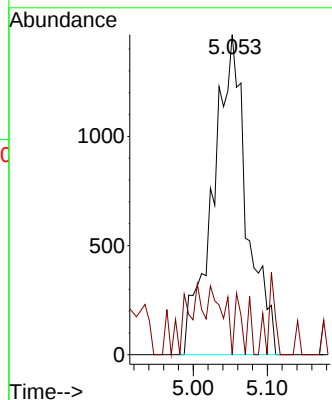
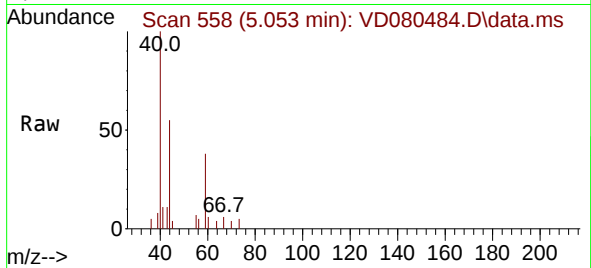




#11
Tert butyl alcohol
Concen: 13.899 ug/l
RT: 5.053 min Scan# 51
Delta R.T. 0.006 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

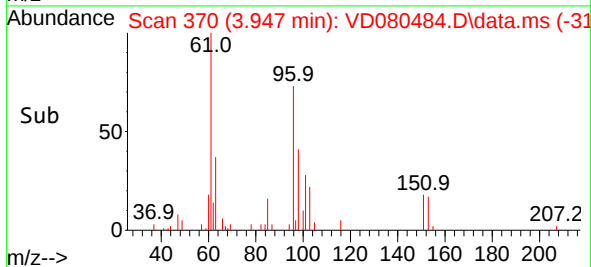
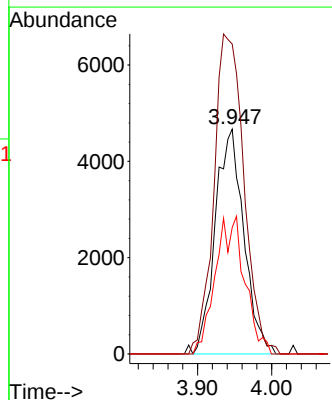
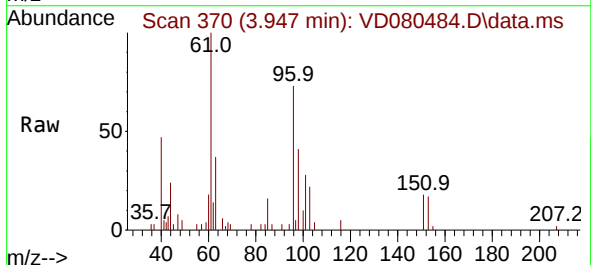
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

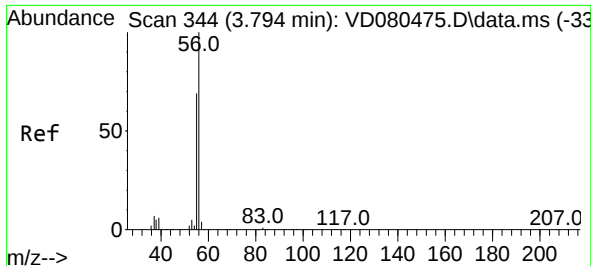
Tgt Ion: 59 Resp: 4664
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#



#12
1,1-Dichloroethene
Concen: 2.639 ug/l
RT: 3.947 min Scan# 370
Delta R.T. 0.006 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

Tgt Ion: 96 Resp: 12554
Ion Ratio Lower Upper
96 100
61 137.9 114.9 172.3
98 56.3 50.5 75.7

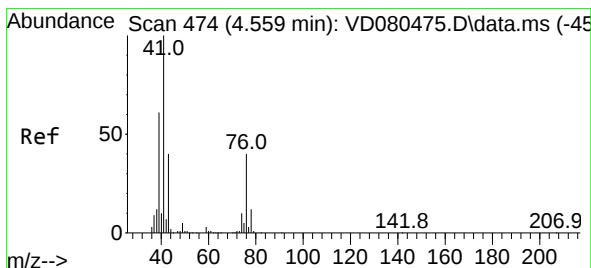
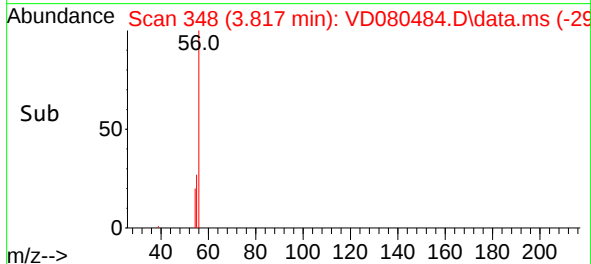
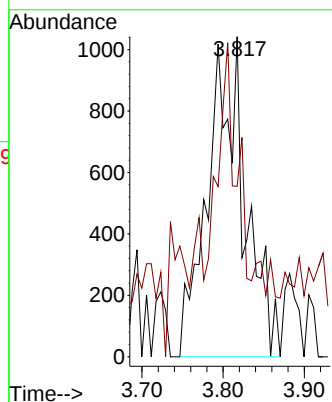
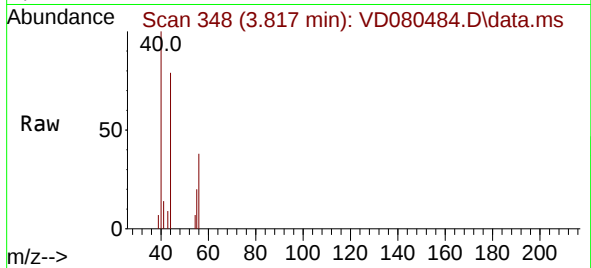




#13
Acrolein
Concen: 7.087 ug/l
RT: 3.817 min Scan# 344
Delta R.T. 0.023 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

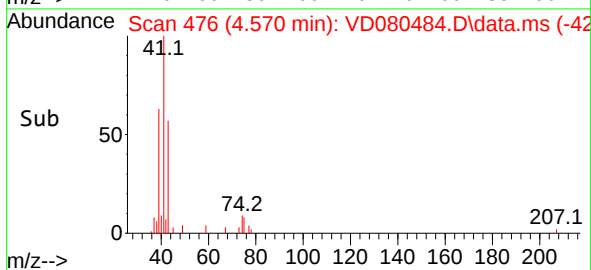
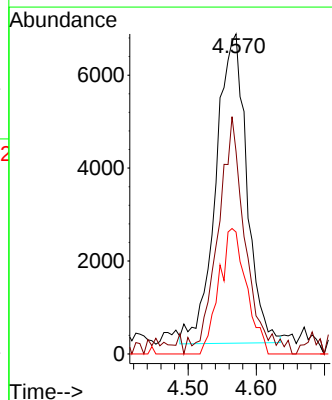
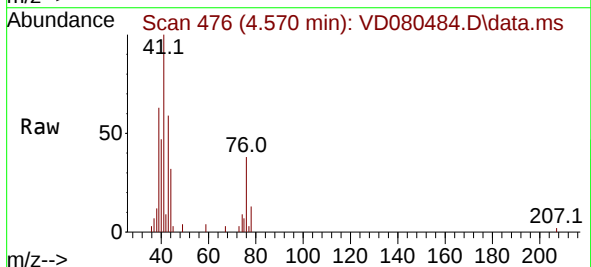
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

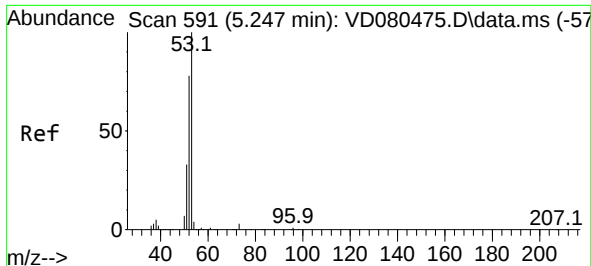
Tgt Ion: 56 Resp: 3241
Ion Ratio Lower Upper
56 100
55 36.9 56.2 84.2#



#14
Allyl chloride
Concen: 2.517 ug/l
RT: 4.570 min Scan# 476
Delta R.T. 0.012 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

Tgt Ion: 41 Resp: 20970
Ion Ratio Lower Upper
41 100
39 68.4 47.4 71.2
76 35.9 30.5 45.7

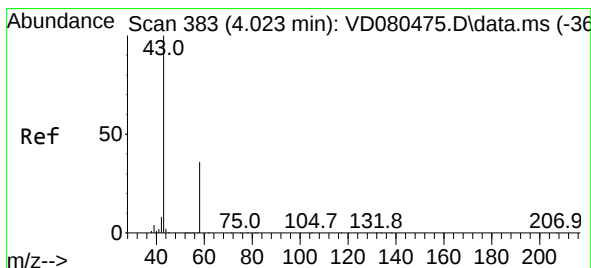
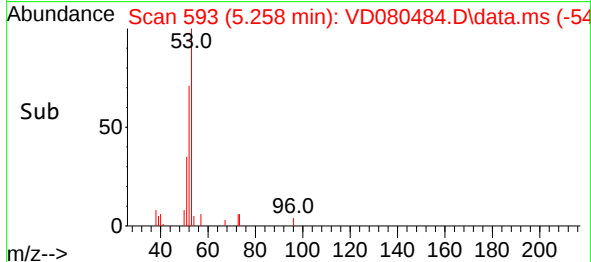
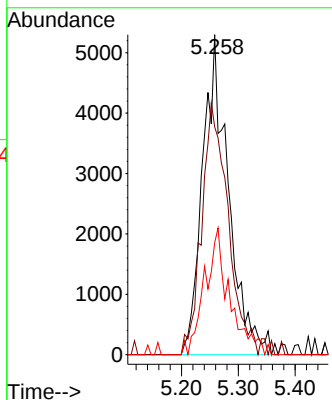
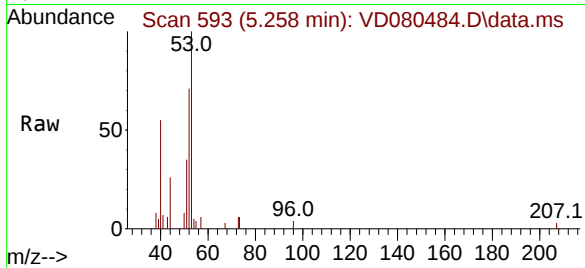




#15
Acrylonitrile
Concen: 13.610 ug/l
RT: 5.258 min Scan# 591
Delta R.T. 0.012 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

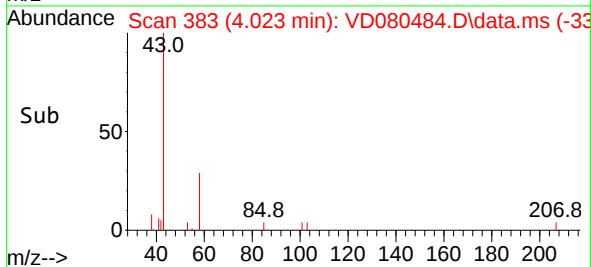
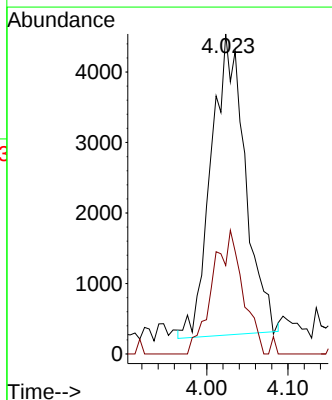
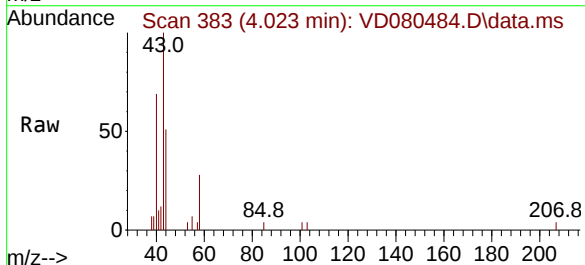
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

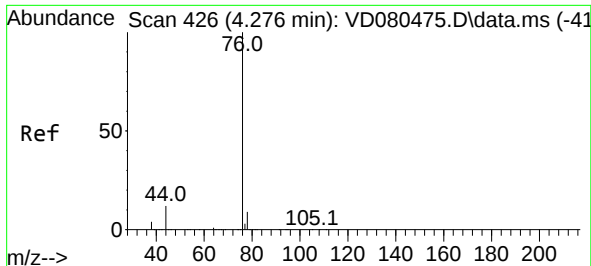
Tgt Ion: 53	Resp: 16790
Ion Ratio	Lower Upper
53 100	
52 79.8	64.7 97.1
51 38.2	27.9 41.9



#16
Acetone
Concen: 11.575 ug/l
RT: 4.023 min Scan# 383
Delta R.T. -0.000 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

Tgt Ion: 43	Resp: 12325
Ion Ratio	Lower Upper
43 100	
58 29.9	29.0 43.4

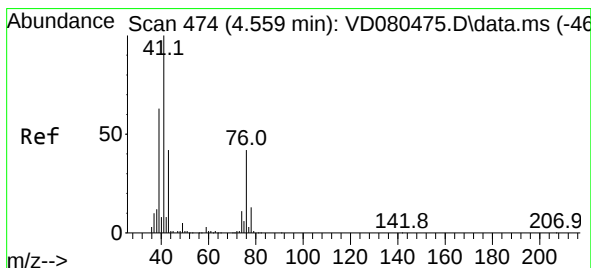
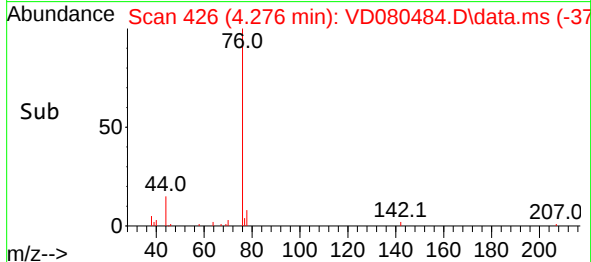
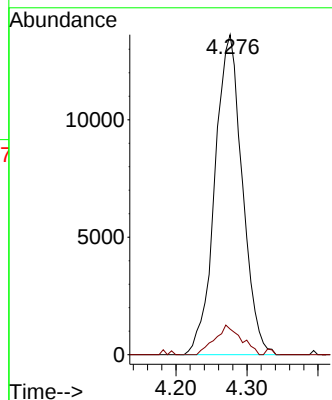
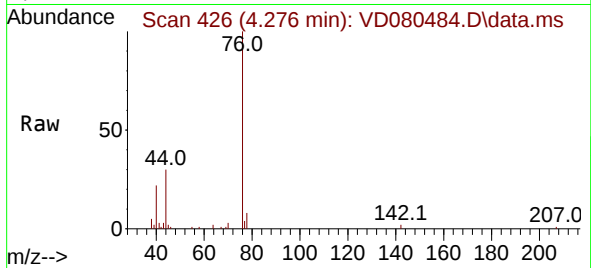




#17
Carbon Disulfide
Concen: 2.430 ug/l
RT: 4.276 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

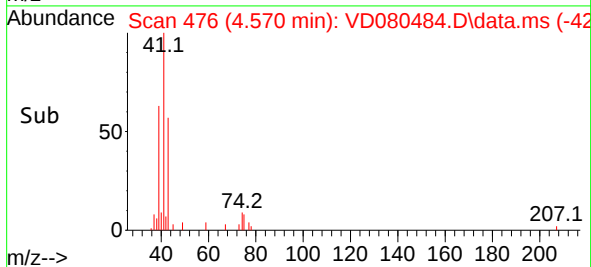
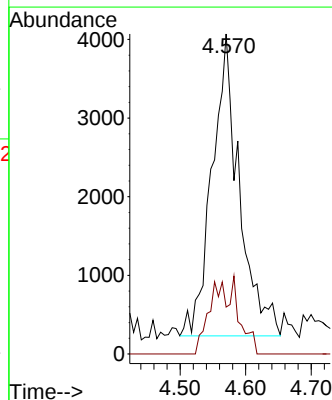
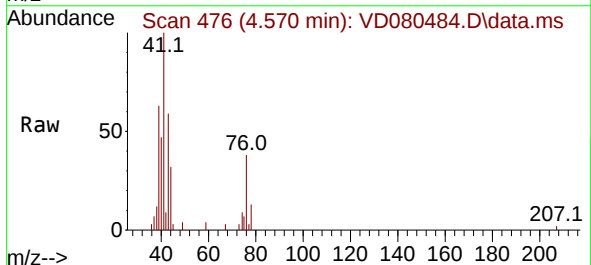
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

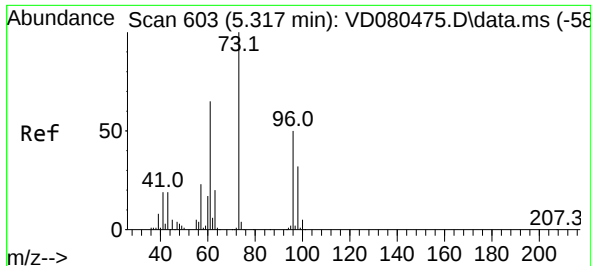
Tgt Ion: 76 Resp: 36507
Ion Ratio Lower Upper
76 100
78 8.0 7.2 10.8



#18
Methyl Acetate
Concen: 3.429 ug/l
RT: 4.570 min Scan# 476
Delta R.T. 0.012 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

Tgt Ion: 43 Resp: 11106
Ion Ratio Lower Upper
43 100
74 17.1 20.4 30.6#

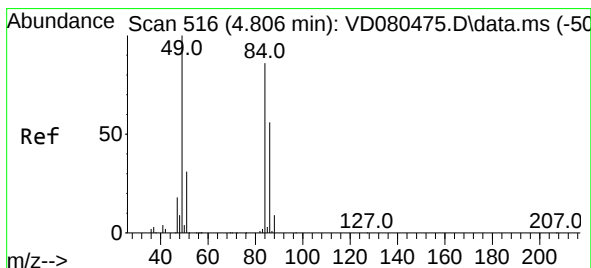
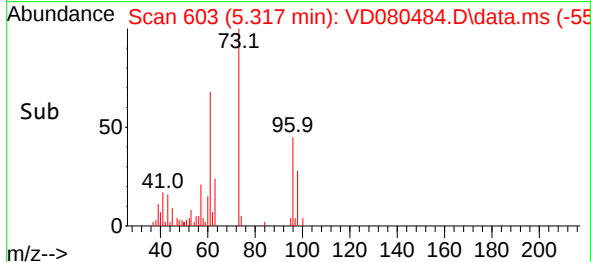
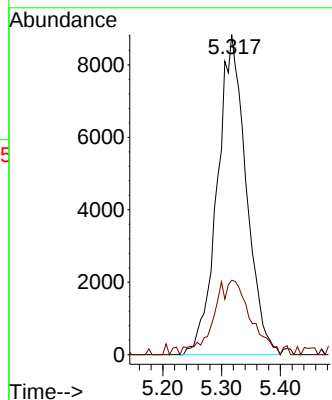
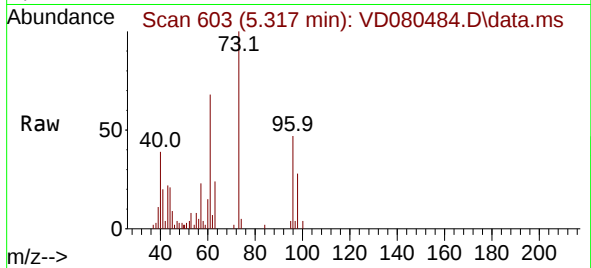




#19
Methyl tert-butyl Ether
Concen: 2.552 ug/l
RT: 5.317 min Scan# 603
Delta R.T. -0.000 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

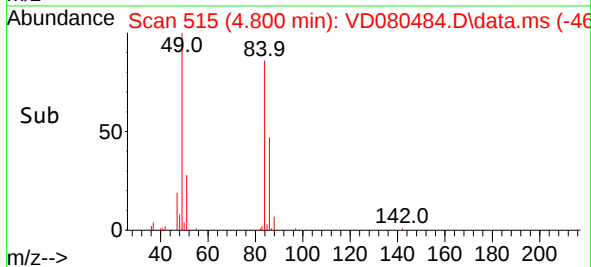
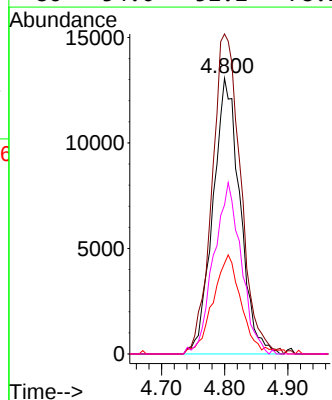
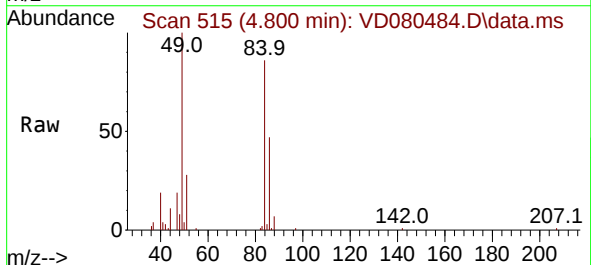
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

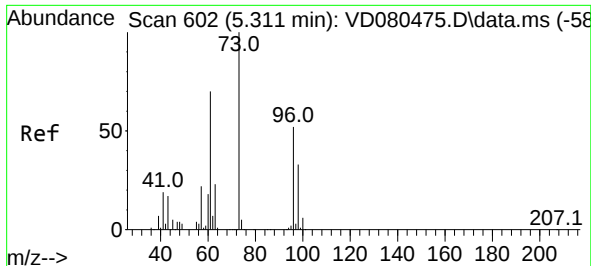
Tgt Ion: 73 Resp: 30172
Ion Ratio Lower Upper
73 100
57 23.3 18.5 27.7



#20
Methylene Chloride
Concen: 5.834 ug/l
RT: 4.800 min Scan# 515
Delta R.T. -0.006 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

Tgt Ion: 84 Resp: 38890
Ion Ratio Lower Upper
84 100
49 116.1 92.8 139.2
51 32.8 29.0 43.6
86 54.0 52.2 78.2

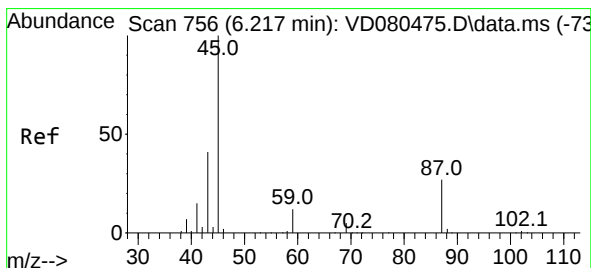
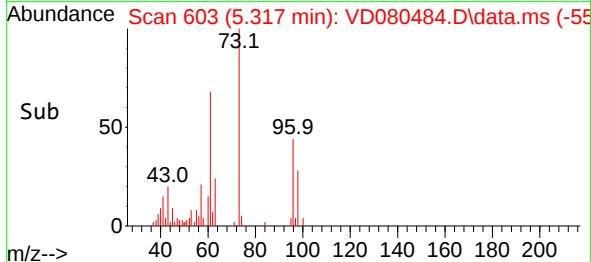
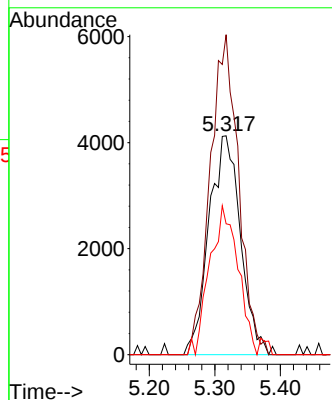
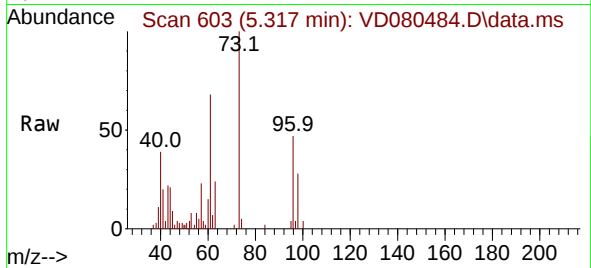




#21
trans-1,2-Dichloroethene
Concen: 2.591 ug/l
RT: 5.317 min Scan# 602
Delta R.T. 0.006 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

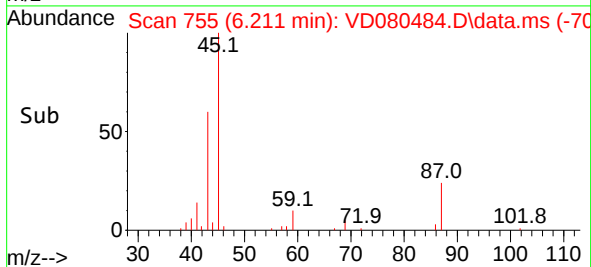
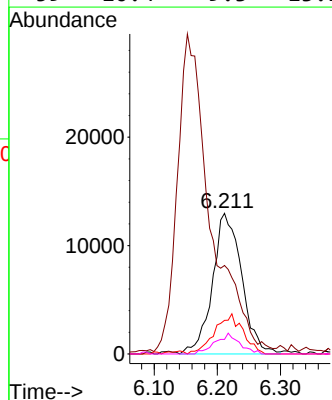
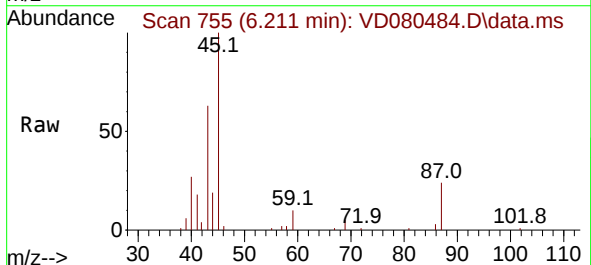
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

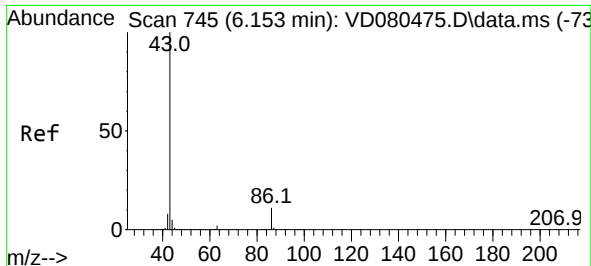
Tgt Ion: 96 Resp: 13752
Ion Ratio Lower Upper
96 100
61 146.2 108.6 163.0
98 59.8 51.5 77.3



#22
Diisopropyl ether
Concen: 2.584 ug/l
RT: 6.211 min Scan# 755
Delta R.T. -0.006 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

Tgt Ion: 45 Resp: 41571
Ion Ratio Lower Upper
45 100
43 56.9 39.5 59.3
87 23.9 22.3 33.5
59 10.4 9.3 13.9

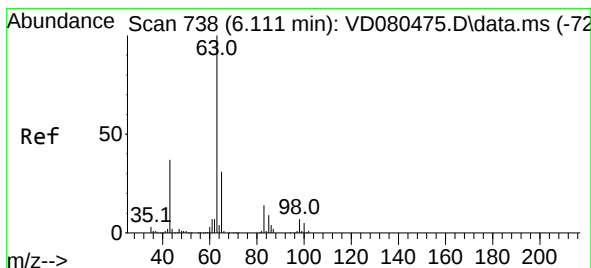
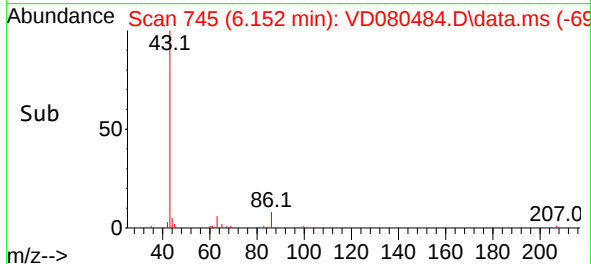
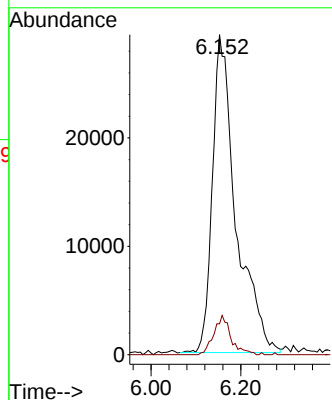
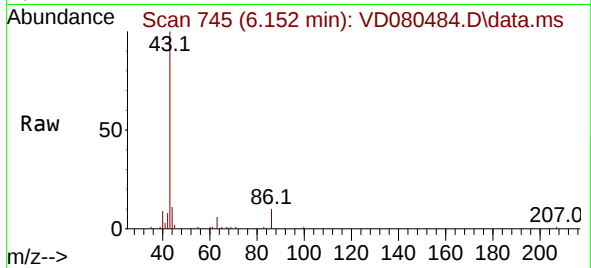




#23
 Vinyl Acetate
 Concen: 11.658 ug/l
 RT: 6.152 min Scan# 745
 Delta R.T. -0.000 min
 Lab File: VD080484.D
 Acq: 26 Jun 2025 16:24

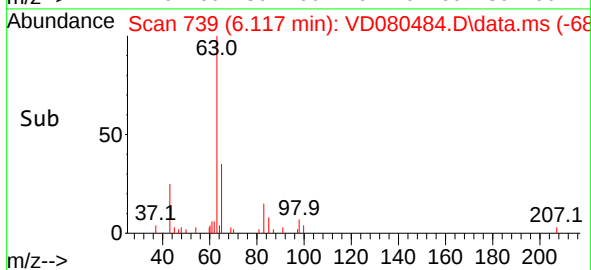
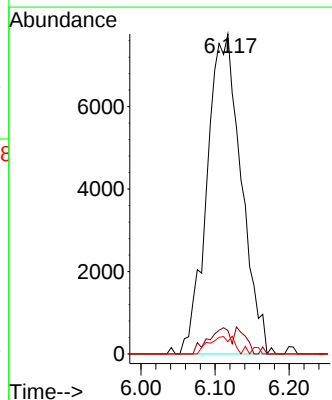
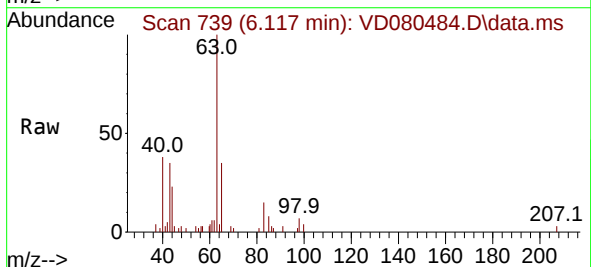
Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-03-QT2-2025

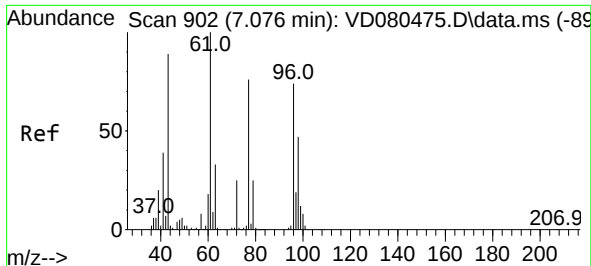
Tgt Ion: 43 Resp: 106853
 Ion Ratio Lower Upper
 43 100
 86 9.7 8.7 13.1



#24
 1,1-Dichloroethane
 Concen: 2.633 ug/l
 RT: 6.117 min Scan# 739
 Delta R.T. 0.006 min
 Lab File: VD080484.D
 Acq: 26 Jun 2025 16:24

Tgt Ion: 63 Resp: 24854
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.3 9.9
 100 3.9 2.5 7.4

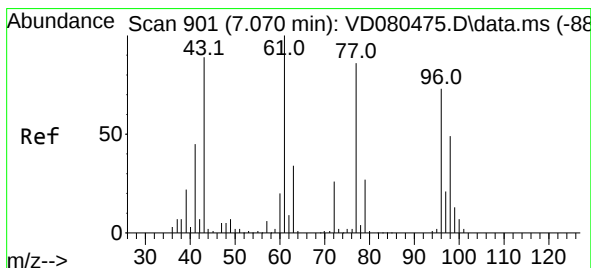
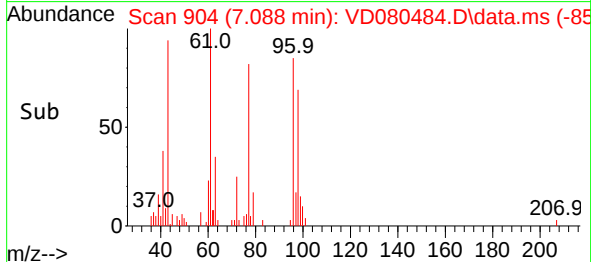
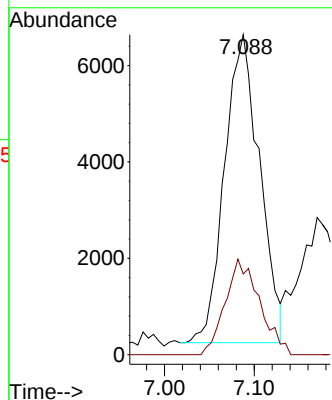
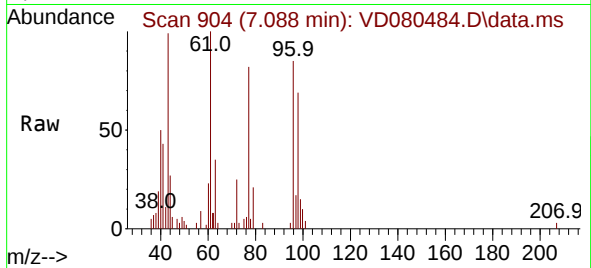




#25
2-Butanone
Concen: 11.116 ug/l
RT: 7.088 min Scan# 904
Delta R.T. 0.012 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

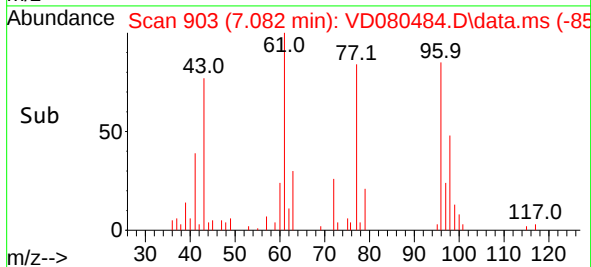
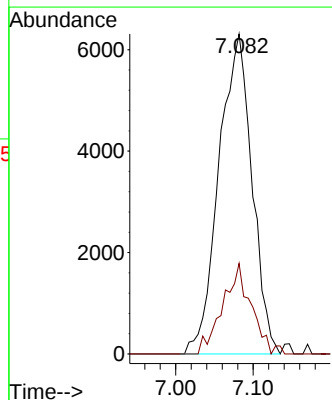
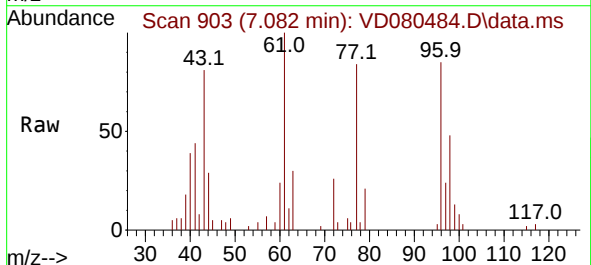
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

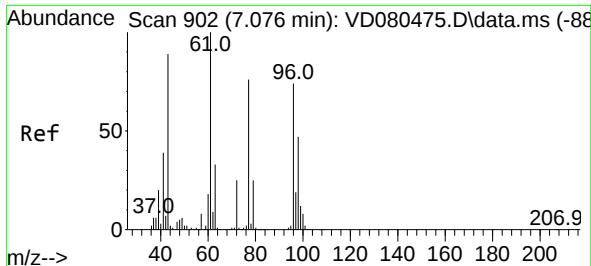
Tgt Ion: 43 Resp: 17373
Ion Ratio Lower Upper
43 100
72 26.2 22.8 34.2



#26
2,2-Dichloropropane
Concen: 2.510 ug/l
RT: 7.082 min Scan# 903
Delta R.T. 0.012 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

Tgt Ion: 77 Resp: 18745
Ion Ratio Lower Upper
77 100
97 24.4 12.2 36.6

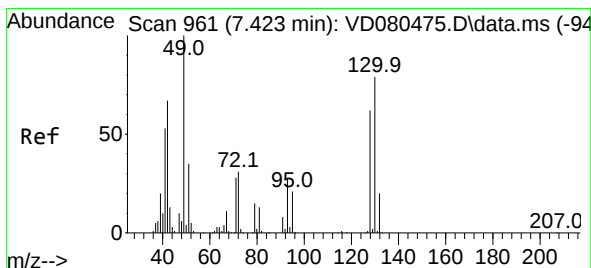
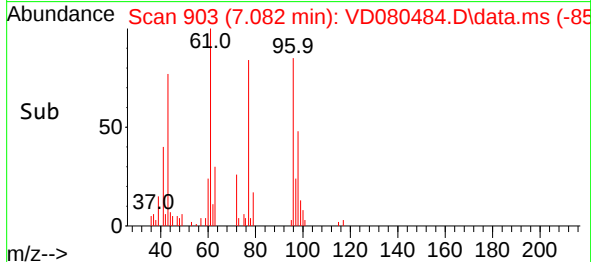
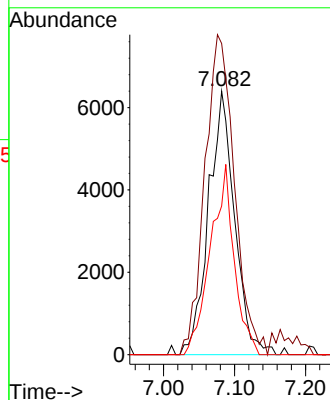
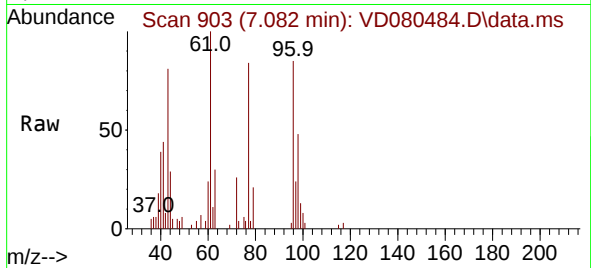




#27
 cis-1,2-Dichloroethene
 Concen: 2.577 ug/l
 RT: 7.082 min Scan# 902
 Delta R.T. 0.006 min
 Lab File: VD080484.D
 Acq: 26 Jun 2025 16:24

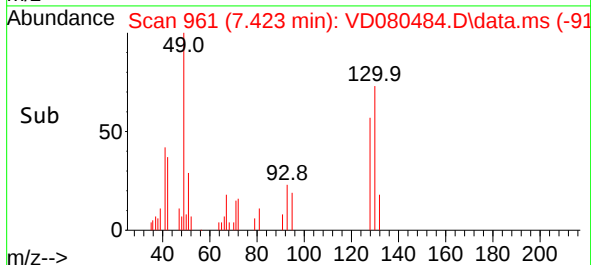
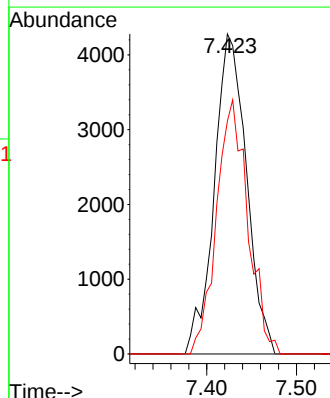
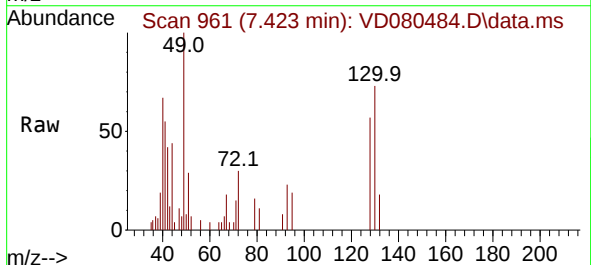
Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-03-QT2-2025

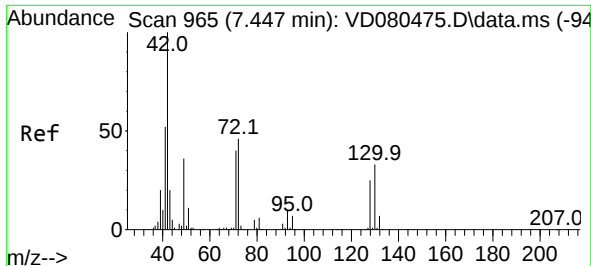
Tgt Ion: 96	Resp: 16349		
Ion Ratio	Lower	Upper	
96	100		
61	137.2	0.0	274.6
98	65.8	0.0	128.0



#28
 Bromochloromethane
 Concen: 2.864 ug/l
 RT: 7.423 min Scan# 961
 Delta R.T. -0.000 min
 Lab File: VD080484.D
 Acq: 26 Jun 2025 16:24

Tgt Ion: 49	Resp: 10655
Ion Ratio	Lower Upper
49 100	
129 0.0	0.0 4.2
130 77.3	62.8 94.2





#29

Tetrahydrofuran

Concen: 15.187 ug/l

RT: 7.447 min Scan# 91

Delta R.T. -0.000 min

Lab File: VD080484.D

Acq: 26 Jun 2025 16:24

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

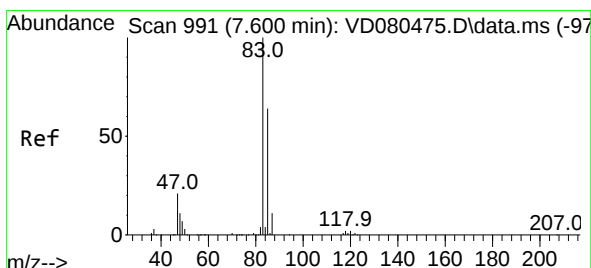
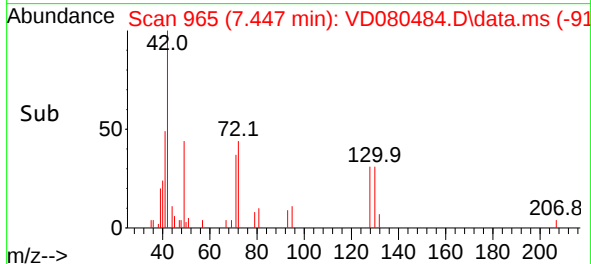
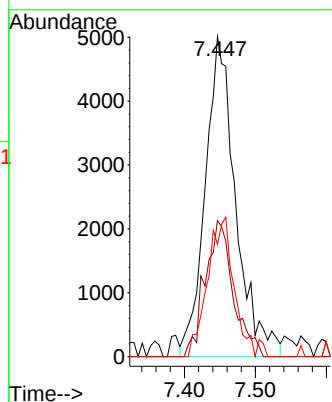
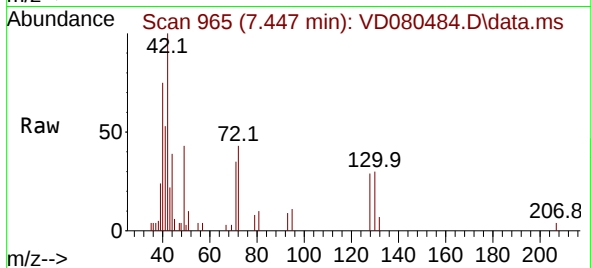
Tgt Ion: 42 Resp: 14953

Ion Ratio Lower Upper

42 100

72 39.1 35.9 53.9

71 37.3 33.2 49.8



#30

Chloroform

Concen: 2.681 ug/l

RT: 7.594 min Scan# 990

Delta R.T. -0.006 min

Lab File: VD080484.D

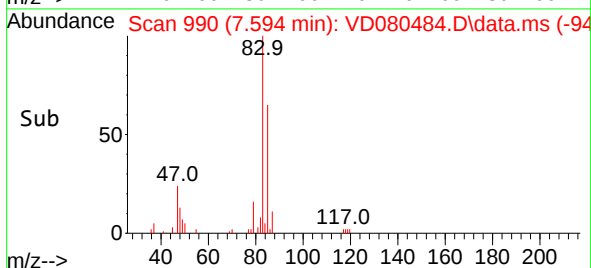
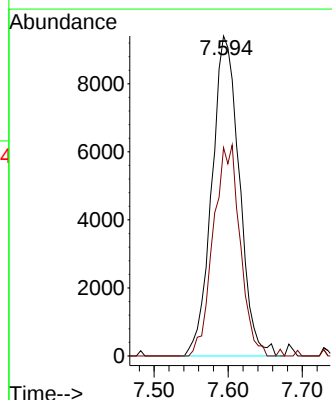
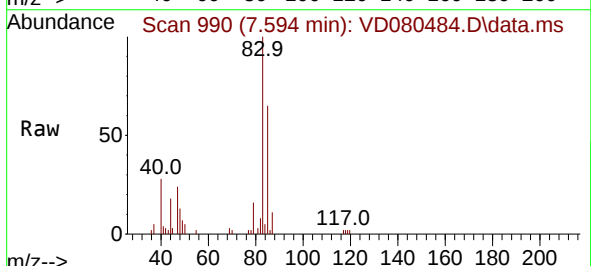
Acq: 26 Jun 2025 16:24

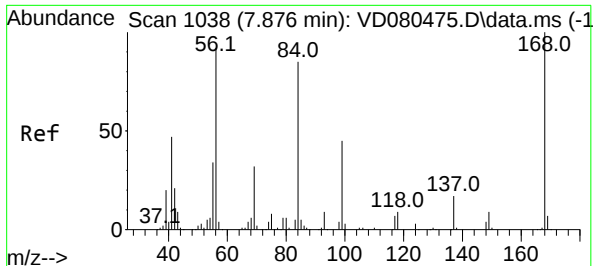
Tgt Ion: 83 Resp: 24223

Ion Ratio Lower Upper

83 100

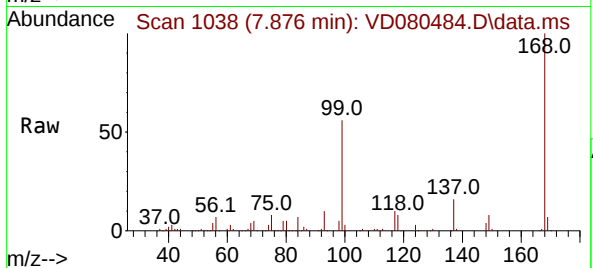
85 65.1 51.2 76.8



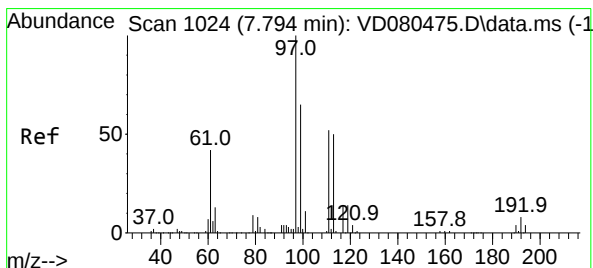
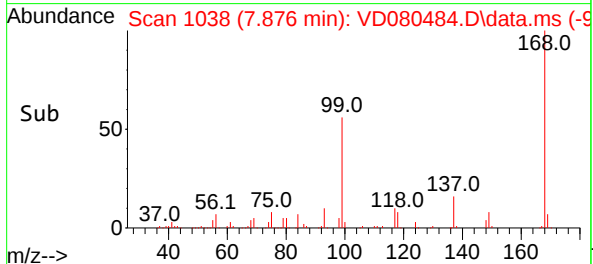
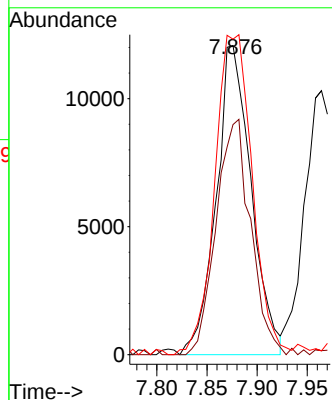


#31
Cyclohexane
Concen: 3.202 ug/l
RT: 7.876 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025

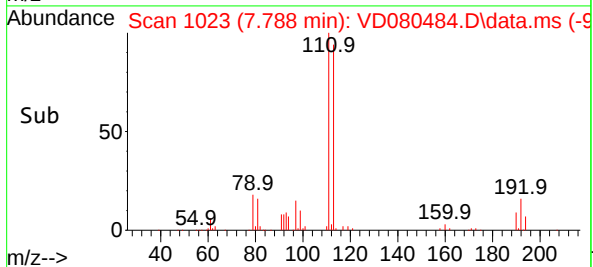
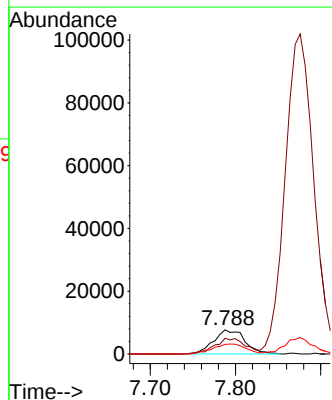
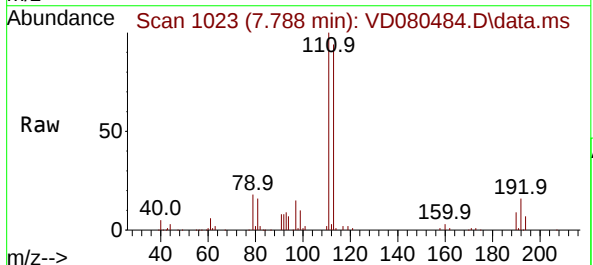


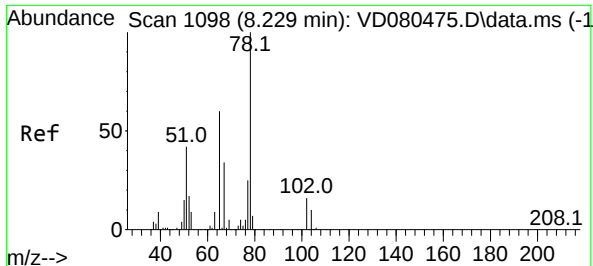
Tgt Ion: 56 Resp: 29283
Ion Ratio Lower Upper
56 100
69 74.4 28.1 42.1#
84 100.5 73.7 110.5



#32
1,1,1-Trichloroethane
Concen: 2.588 ug/l
RT: 7.788 min Scan# 1023
Delta R.T. -0.006 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

Tgt Ion: 97 Resp: 19552
Ion Ratio Lower Upper
97 100
99 64.3 51.5 77.3
61 43.4 33.8 50.6





#33

1,2-Dichloroethane-d4

Concen: 55.231 ug/l

RT: 8.235 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD080484.D

Acq: 26 Jun 2025 16:24

Instrument :

MSVOA_D

ClientSampleId :

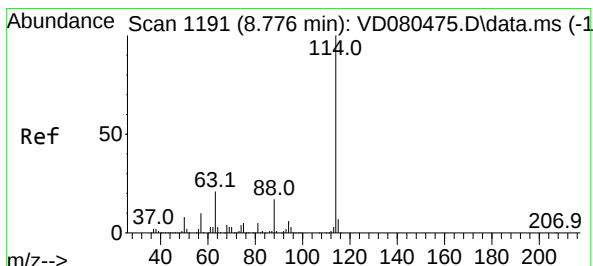
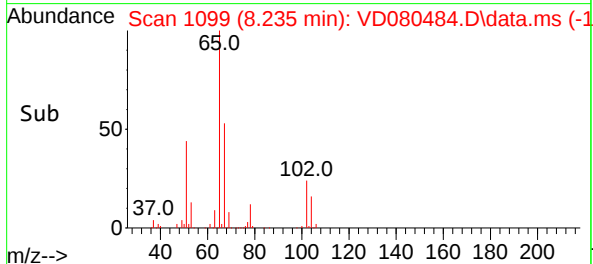
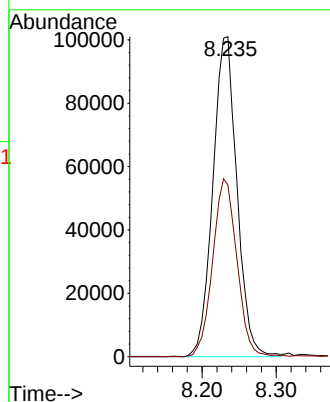
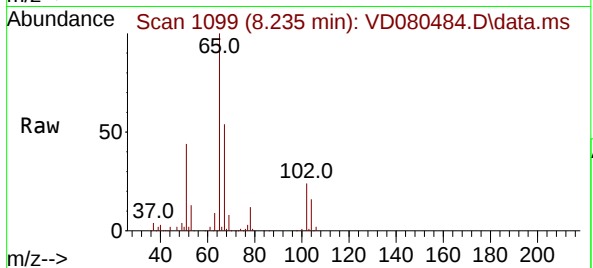
LOD-MDL-SOIL-03-QT2-2025

Tgt Ion: 65 Resp: 227626

Ion Ratio Lower Upper

65 100

67 56.0 0.0 113.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.776 min Scan# 1191

Delta R.T. -0.000 min

Lab File: VD080484.D

Acq: 26 Jun 2025 16:24

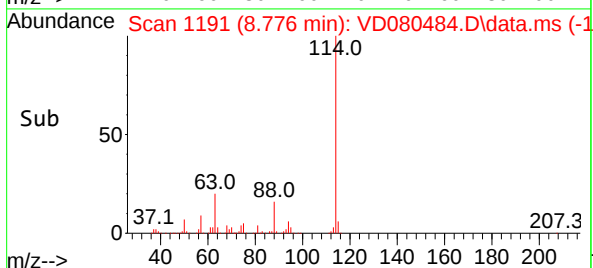
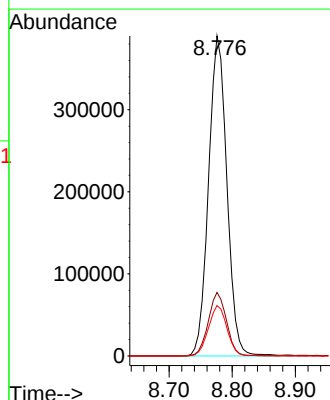
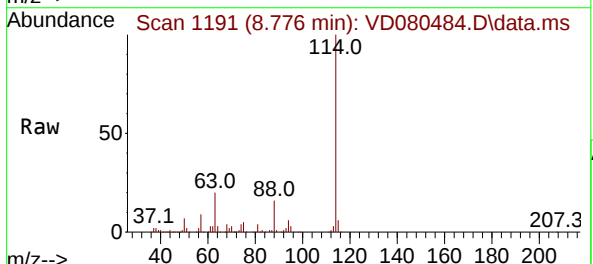
Tgt Ion: 114 Resp: 784511

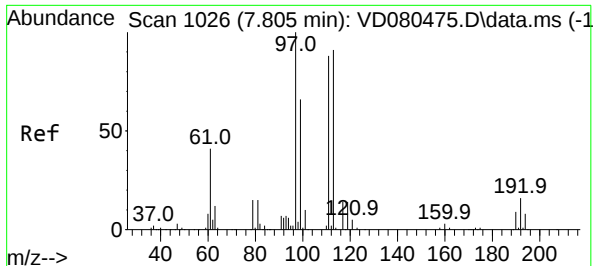
Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.0

88 15.7 0.0 33.8





#35

Dibromofluoromethane

Concen: 54.778 ug/l

RT: 7.805 min Scan# 1026

Delta R.T. -0.000 min

Lab File: VD080484.D

Acq: 26 Jun 2025 16:24

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

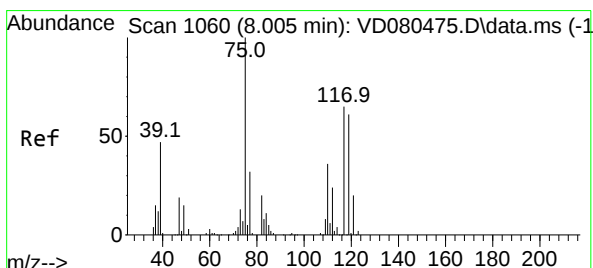
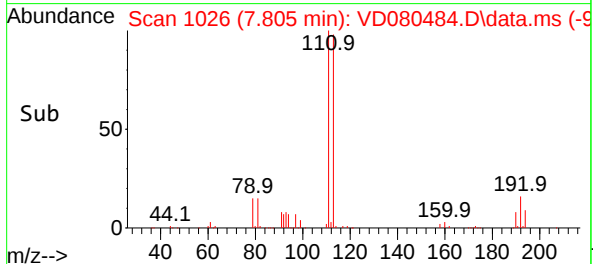
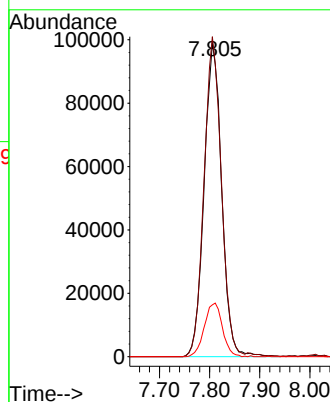
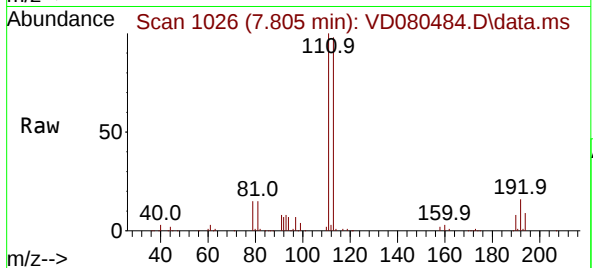
Tgt Ion:113 Resp: 240636

Ion Ratio Lower Upper

113 100

111 100.5 82.5 123.7

192 17.6 15.0 22.6



#36

1,1-Dichloropropene

Concen: 2.461 ug/l

RT: 8.011 min Scan# 1061

Delta R.T. 0.006 min

Lab File: VD080484.D

Acq: 26 Jun 2025 16:24

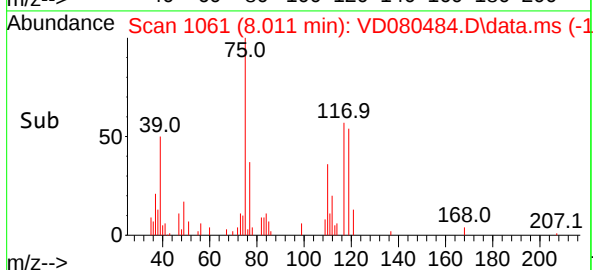
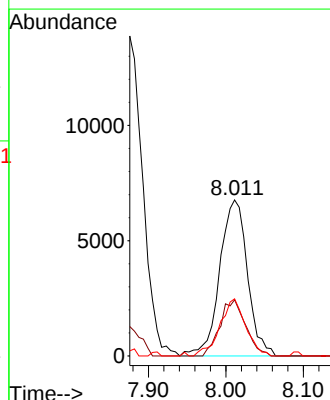
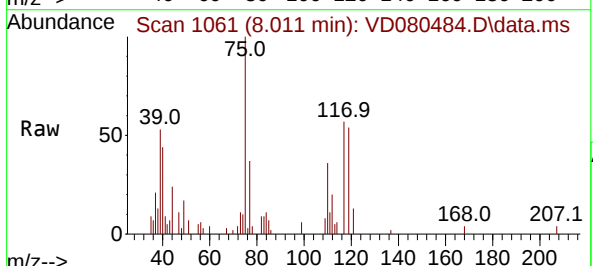
Tgt Ion: 75 Resp: 16886

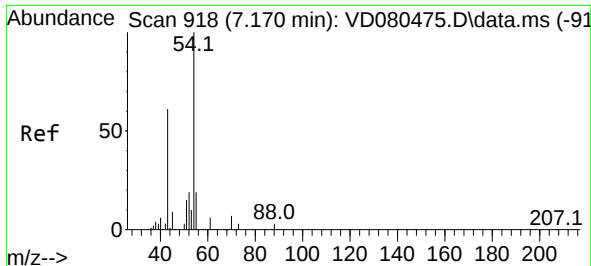
Ion Ratio Lower Upper

75 100

110 33.2 18.2 54.6

77 33.9 25.2 37.8

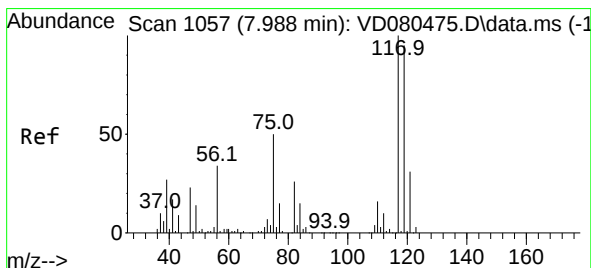
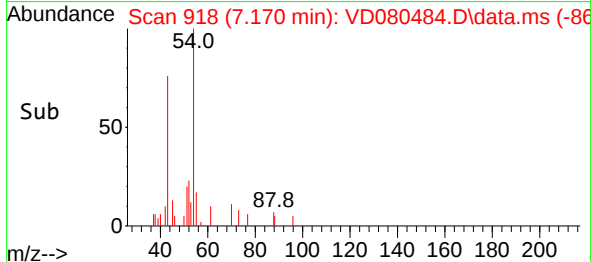
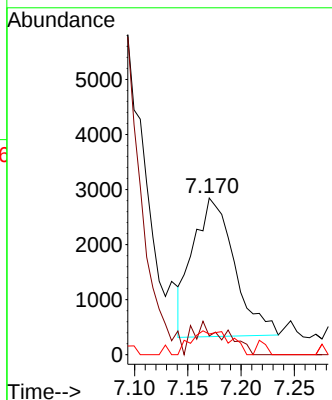
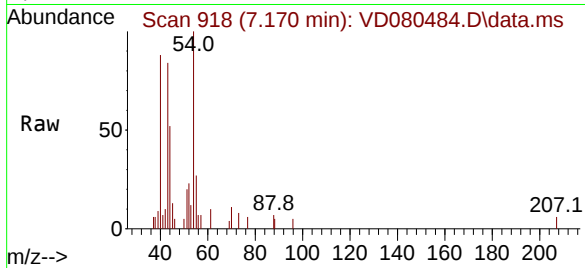




#37
Ethyl Acetate
Concen: 2.051 ug/l
RT: 7.170 min Scan# 918
Delta R.T. -0.000 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

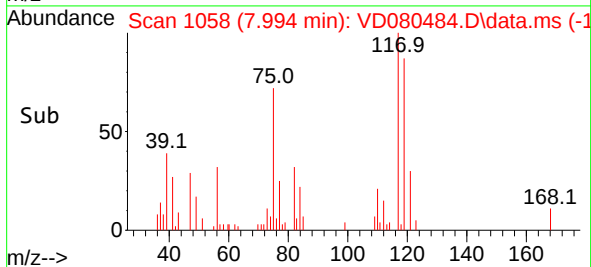
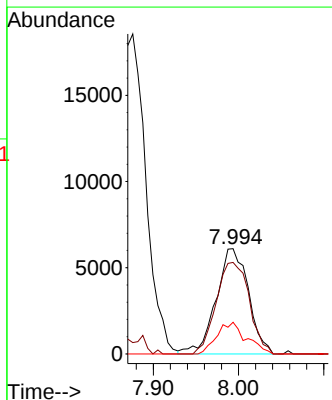
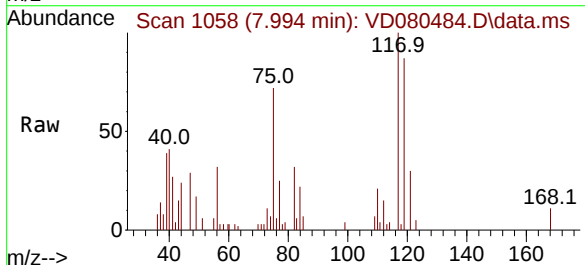
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

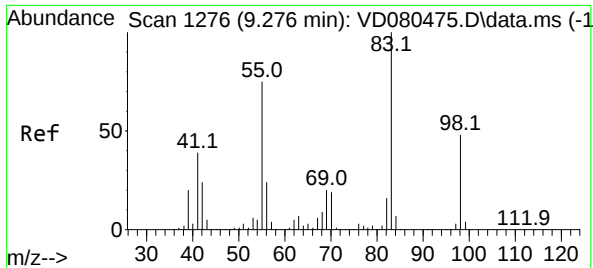
Tgt Ion: 43 Resp: 6838
Ion Ratio Lower Upper
43 100
61 18.4 12.2 18.2#
70 16.4 9.2 13.8#



#38
Carbon Tetrachloride
Concen: 2.459 ug/l
RT: 7.994 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

Tgt Ion: 117 Resp: 16117
Ion Ratio Lower Upper
117 100
119 87.0 75.8 113.6
121 30.2 25.0 37.4





#39

Methylcyclohexane

Concen: 2.461 ug/l

RT: 9.276 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VD080484.D

Acq: 26 Jun 2025 16:24

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

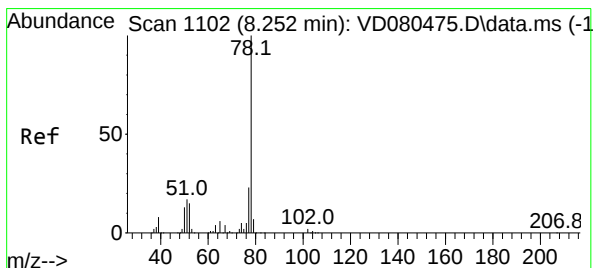
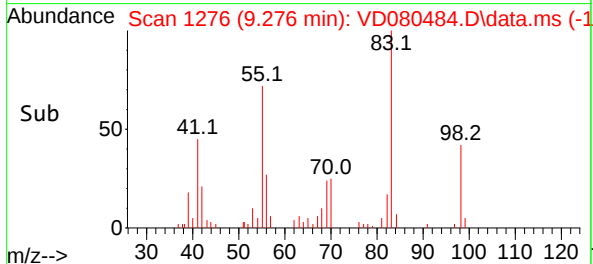
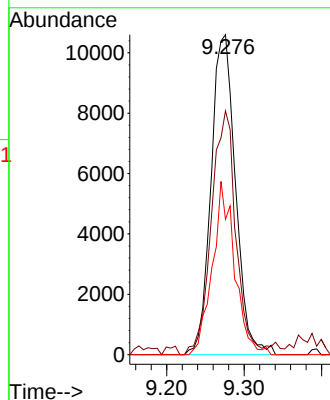
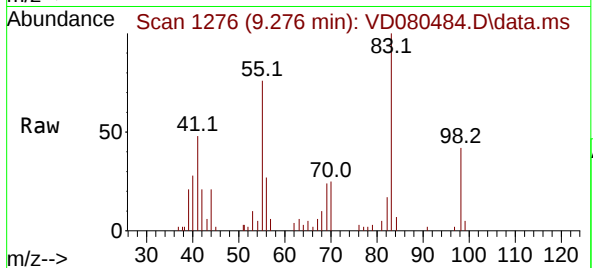
Tgt Ion: 83 Resp: 23245

Ion Ratio Lower Upper

83 100

55 76.2 59.8 89.8

98 42.3 38.2 57.2



#40

Benzene

Concen: 2.580 ug/l

RT: 8.252 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VD080484.D

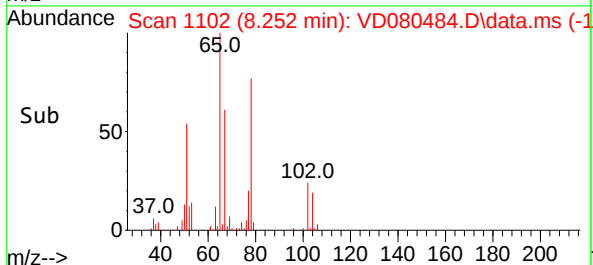
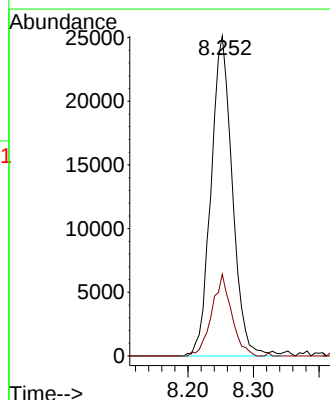
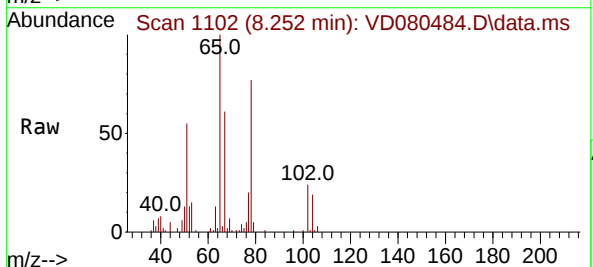
Acq: 26 Jun 2025 16:24

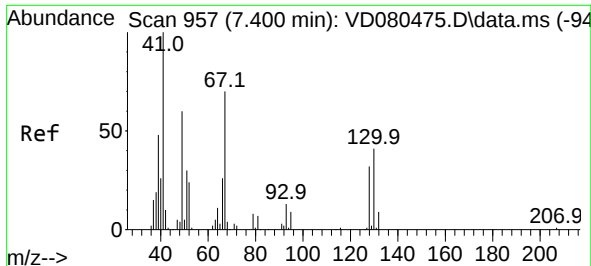
Tgt Ion: 78 Resp: 56805

Ion Ratio Lower Upper

78 100

77 25.6 18.6 28.0

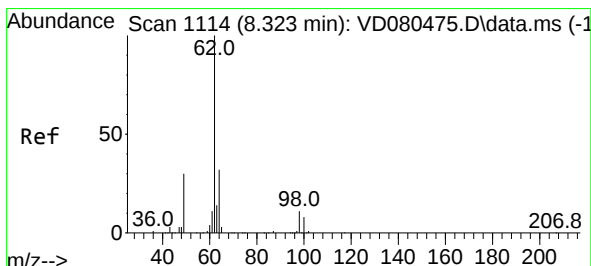
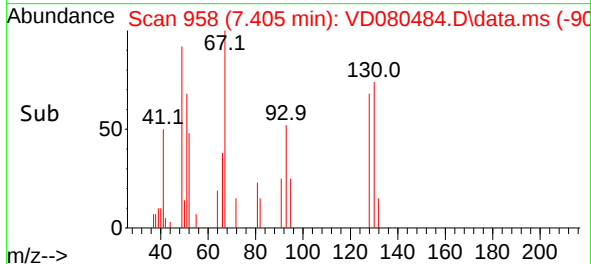
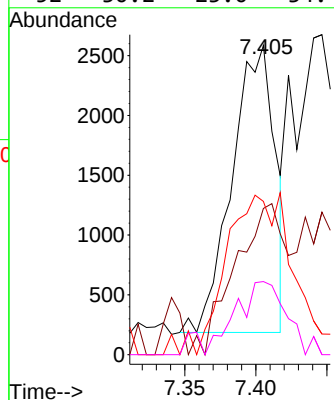
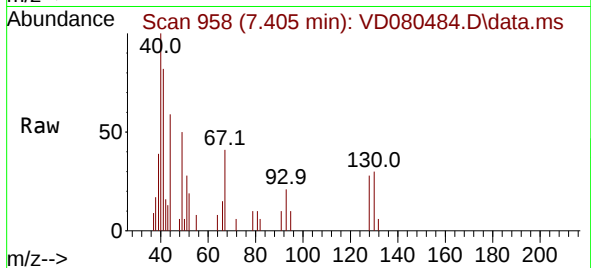




#41
Methacrylonitrile
Concen: 2.368 ug/l
RT: 7.405 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

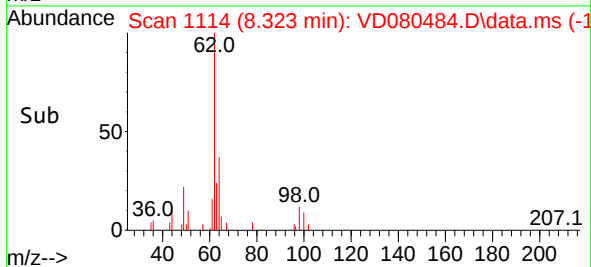
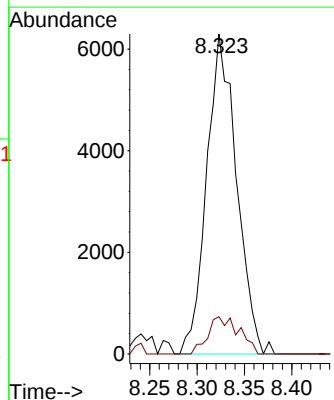
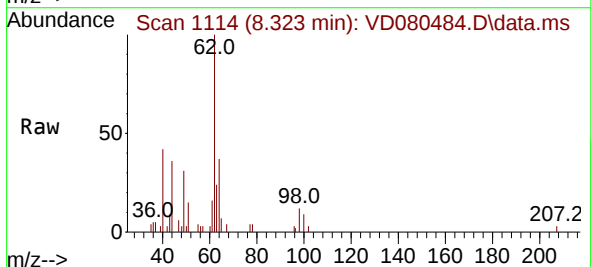
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

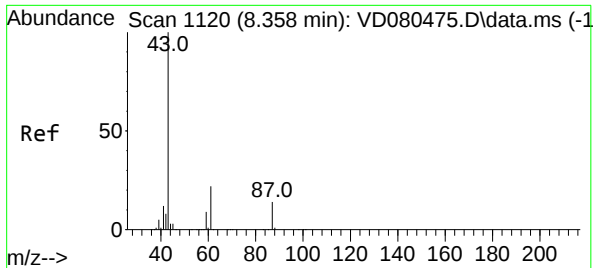
Tgt Ion:	41	Resp:	5047
Ion	Ratio	Lower	Upper
41	100		
39	60.0	43.4	65.0
67	87.2	59.2	88.8
52	30.2	23.0	34.4



#42
1,2-Dichloroethane
Concen: 2.675 ug/l
RT: 8.323 min Scan# 1114
Delta R.T. -0.000 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

Tgt Ion:	62	Resp:	13859
Ion	Ratio	Lower	Upper
62	100		
98	12.1	0.0	22.0

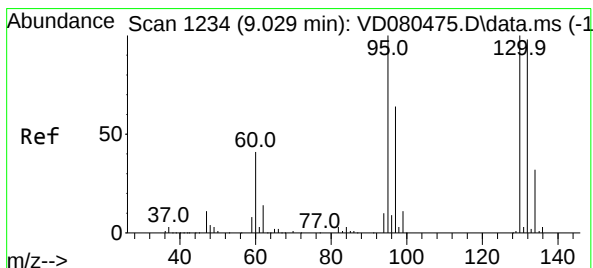
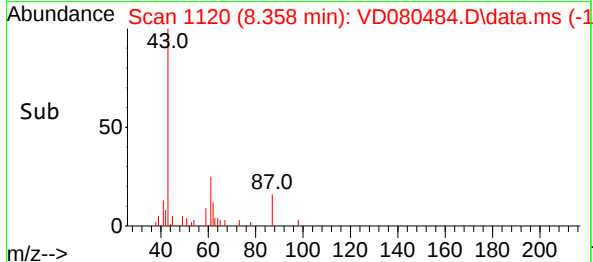
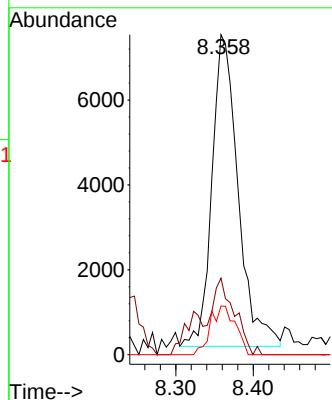
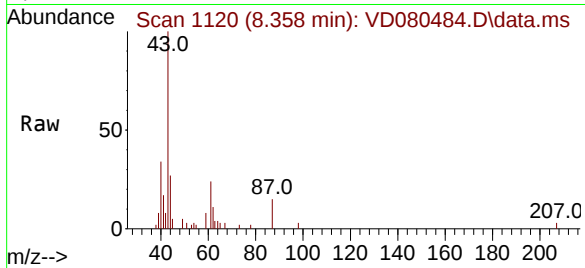




#43
Isopropyl Acetate
Concen: 2.626 ug/l
RT: 8.358 min Scan# 1120
Delta R.T. -0.000 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

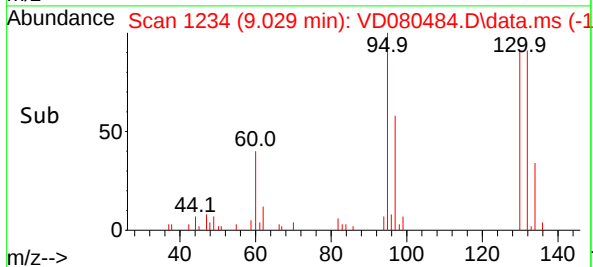
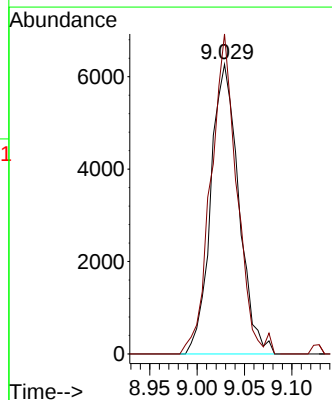
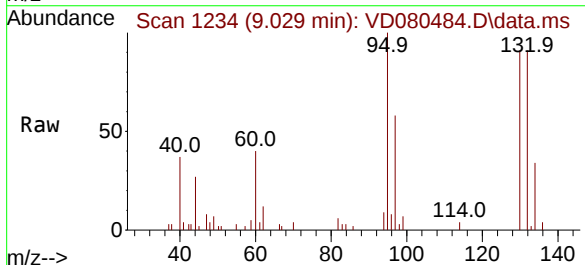
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025

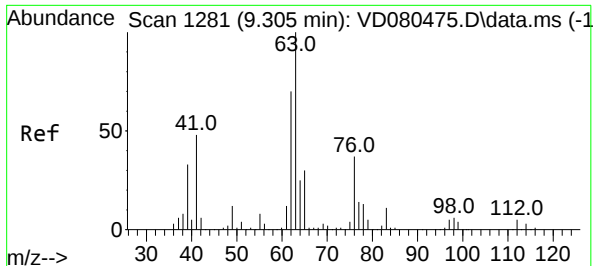
Tgt Ion: 43 Resp: 17230
Ion Ratio Lower Upper
43 100
61 21.5 24.4 36.6#
87 14.7 11.4 17.2



#44
Trichloroethene
Concen: 2.418 ug/l
RT: 9.029 min Scan# 1234
Delta R.T. -0.000 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

Tgt Ion:130 Resp: 12905
Ion Ratio Lower Upper
130 100
95 110.5 0.0 200.6





#45

1,2-Dichloropropane

Concen: 2.419 ug/l

RT: 9.311 min Scan# 1281

Delta R.T. 0.006 min

Lab File: VD080484.D

Acq: 26 Jun 2025 16:24

Instrument :

MSVOA_D

ClientSampleId :

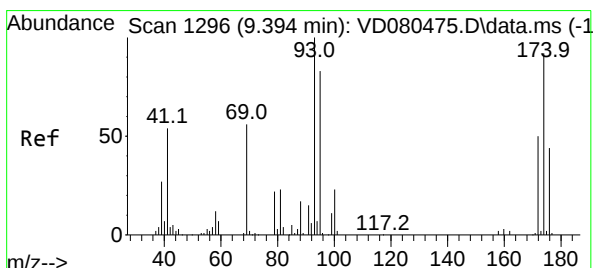
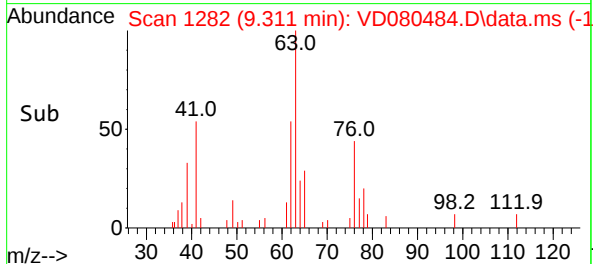
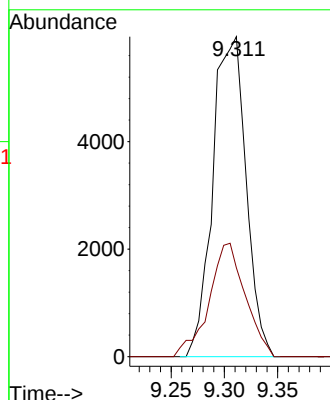
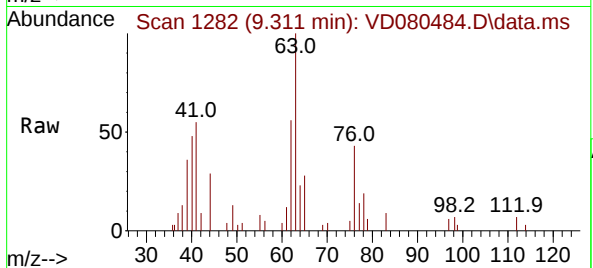
LOD-MDL-SOIL-03-QT2-2025

Tgt Ion: 63 Resp: 12918

Ion Ratio Lower Upper

63 100

65 27.8 24.0 36.0



#46

Dibromomethane

Concen: 2.560 ug/l

RT: 9.393 min Scan# 1296

Delta R.T. -0.000 min

Lab File: VD080484.D

Acq: 26 Jun 2025 16:24

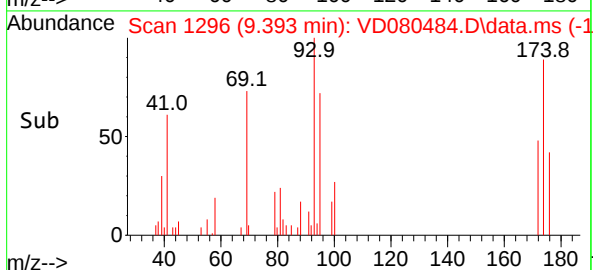
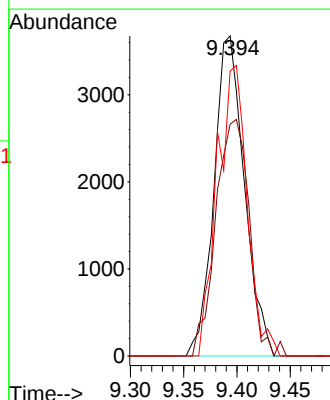
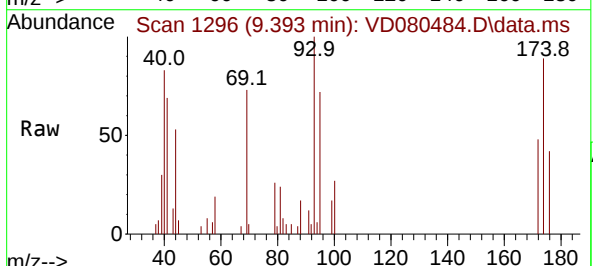
Tgt Ion: 93 Resp: 7289

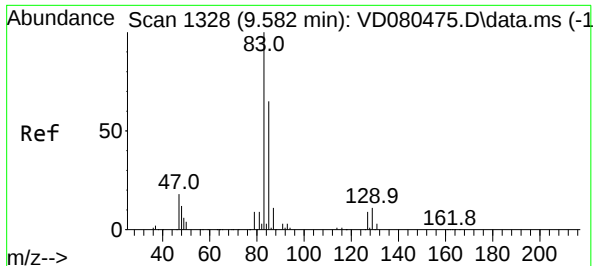
Ion Ratio Lower Upper

93 100

95 81.2 66.2 99.4

174 90.1 75.4 113.0





#47

Bromodichloromethane

Concen: 2.447 ug/l

RT: 9.582 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD080484.D

Acq: 26 Jun 2025 16:24

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

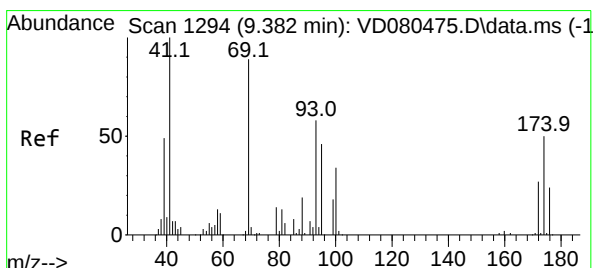
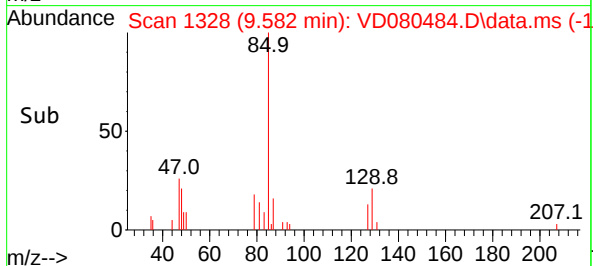
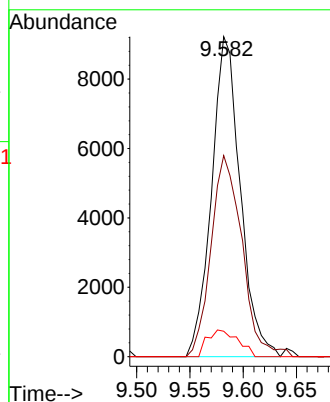
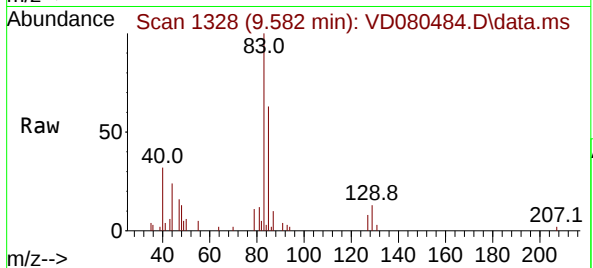
Tgt Ion: 83 Resp: 17273

Ion Ratio Lower Upper

83 100

85 62.9 52.2 78.2

127 8.0 6.9 10.3



#48

Methyl methacrylate

Concen: 2.593 ug/l

RT: 9.382 min Scan# 1294

Delta R.T. -0.000 min

Lab File: VD080484.D

Acq: 26 Jun 2025 16:24

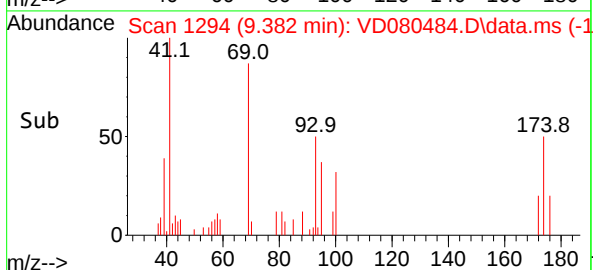
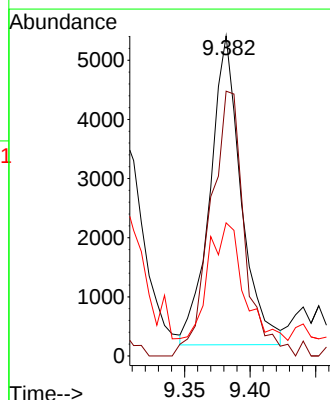
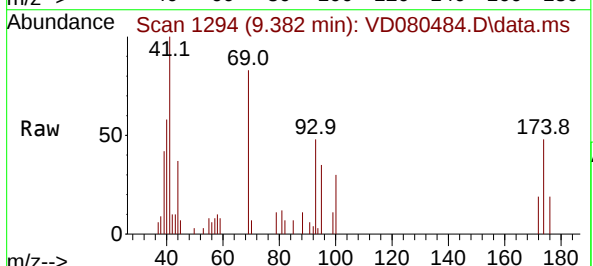
Tgt Ion: 41 Resp: 8607

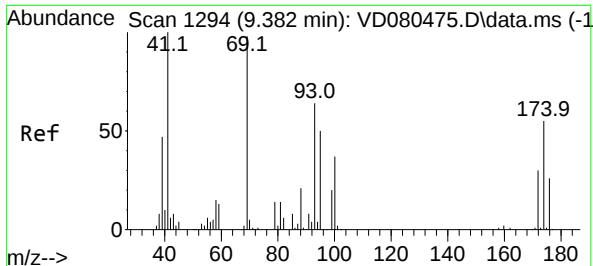
Ion Ratio Lower Upper

41 100

69 93.4 70.2 105.4

39 43.7 40.2 60.2





#49

1,4-Dioxane

Concen: 45.454 ug/l

RT: 9.399 min Scan# 1297

Delta R.T. 0.018 min

Lab File: VD080484.D

Acq: 26 Jun 2025 16:24

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

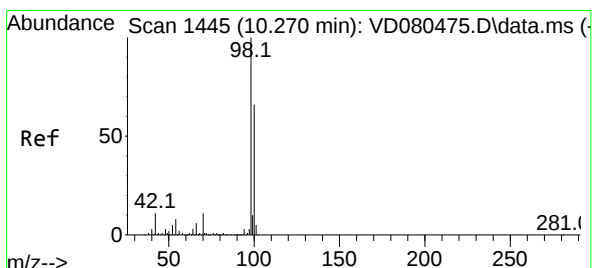
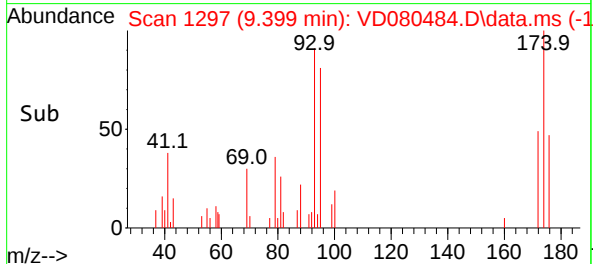
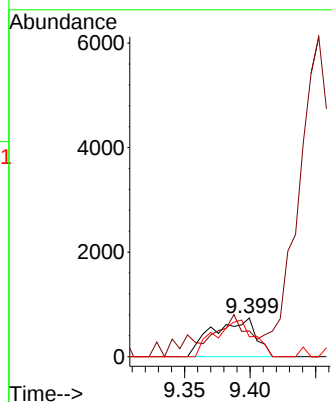
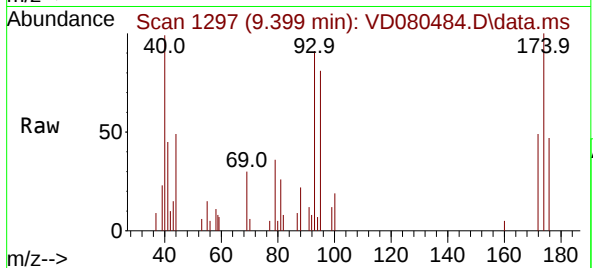
Tgt Ion: 88 Resp: 1679

Ion Ratio Lower Upper

88 100

43 50.5 26.7 40.1#

58 85.7 56.4 84.6#



#50

Toluene-d8

Concen: 54.518 ug/l

RT: 10.270 min Scan# 1445

Delta R.T. -0.000 min

Lab File: VD080484.D

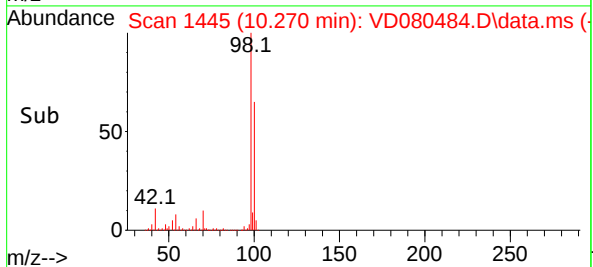
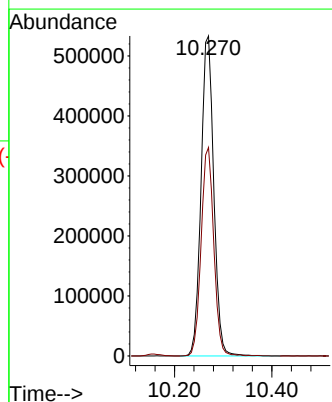
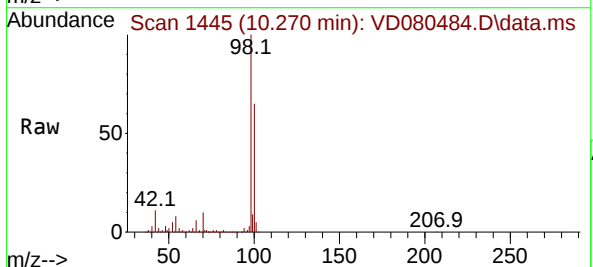
Acq: 26 Jun 2025 16:24

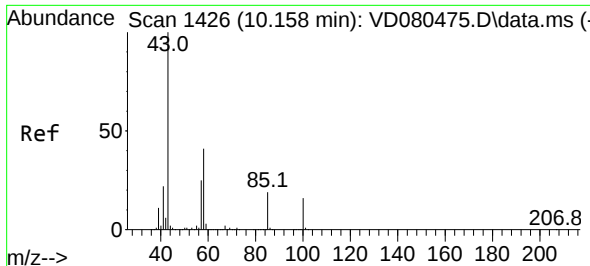
Tgt Ion: 98 Resp: 967525

Ion Ratio Lower Upper

98 100

100 64.8 52.2 78.4

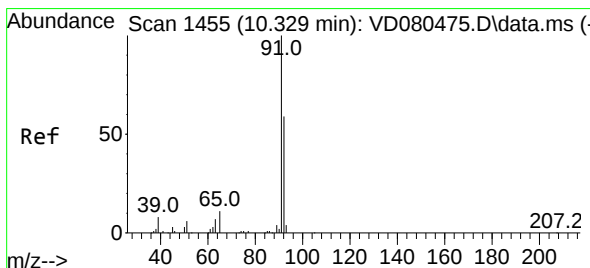
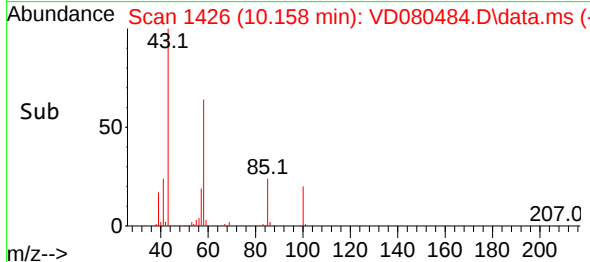
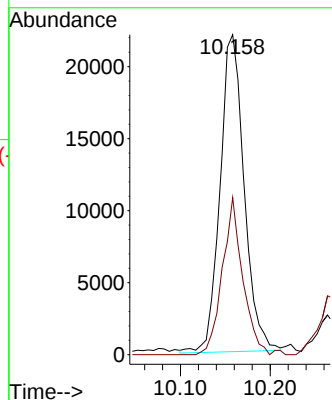
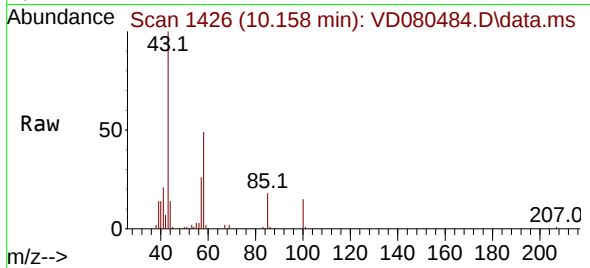




#51
4-Methyl-2-Pentanone
Concen: 12.304 ug/l
RT: 10.158 min Scan# 1426
Delta R.T. -0.000 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

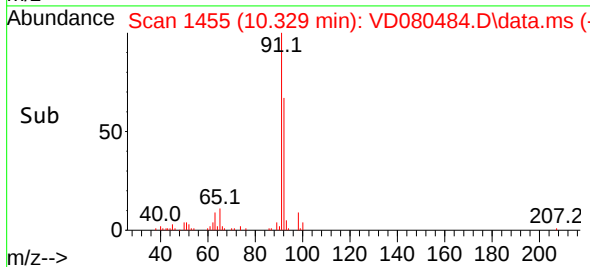
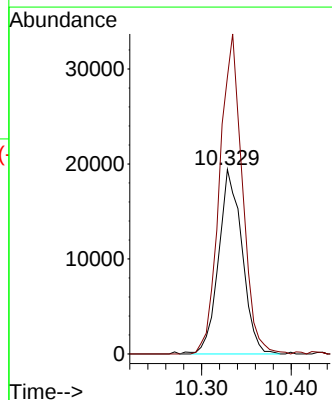
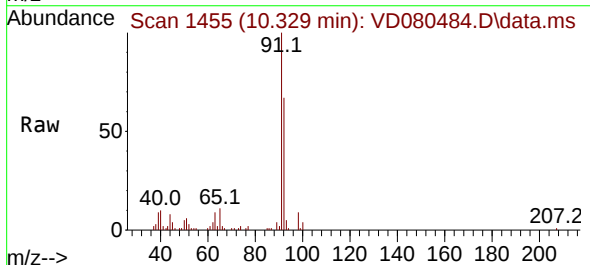
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

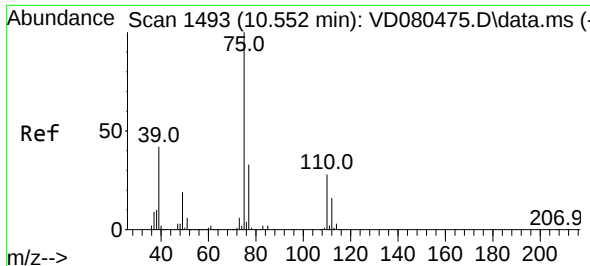
Tgt Ion: 43 Resp: 41003
Ion Ratio Lower Upper
43 100
58 41.9 33.3 49.9



#52
Toluene
Concen: 2.566 ug/l
RT: 10.329 min Scan# 1455
Delta R.T. -0.000 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

Tgt Ion: 92 Resp: 35319
Ion Ratio Lower Upper
92 100
91 167.6 137.1 205.7

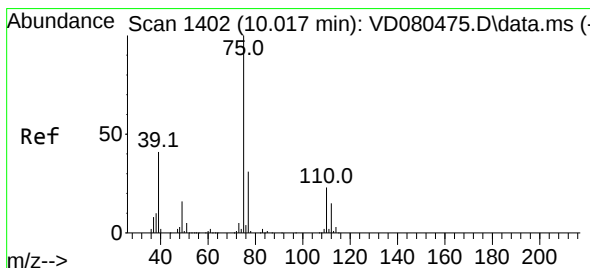
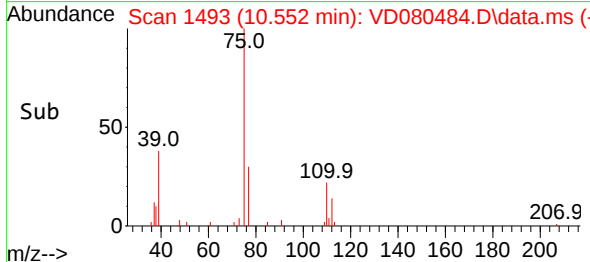
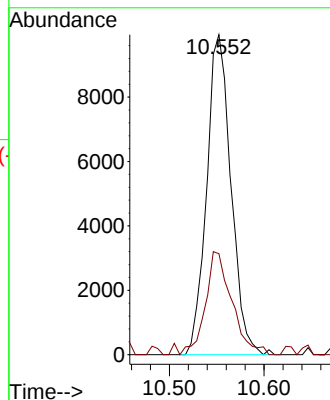
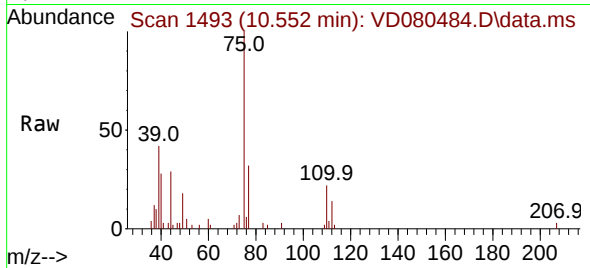




#53
t-1,3-Dichloropropene
Concen: 2.513 ug/l
RT: 10.552 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

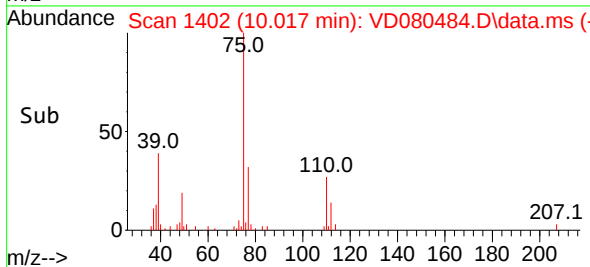
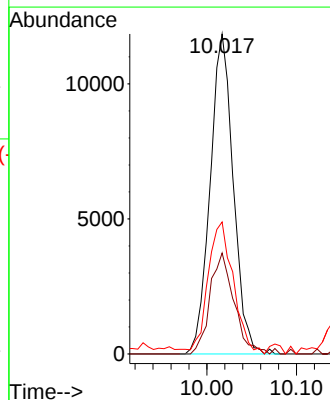
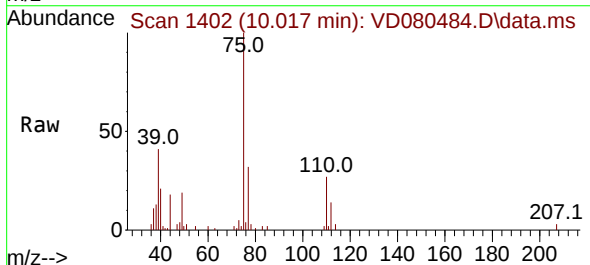
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025

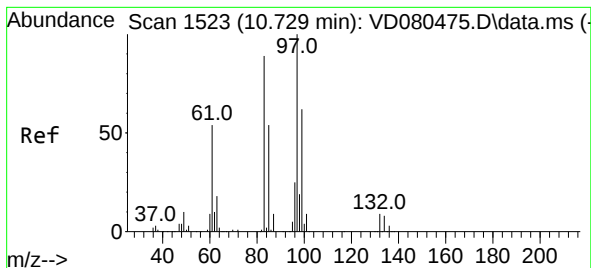
Tgt Ion: 75 Resp: 17765
Ion Ratio Lower Upper
75 100
77 31.6 26.2 39.2



#54
cis-1,3-Dichloropropene
Concen: 2.500 ug/l
RT: 10.017 min Scan# 1402
Delta R.T. -0.000 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

Tgt Ion: 75 Resp: 21232
Ion Ratio Lower Upper
75 100
77 31.5 24.9 37.3
39 39.8 32.5 48.7

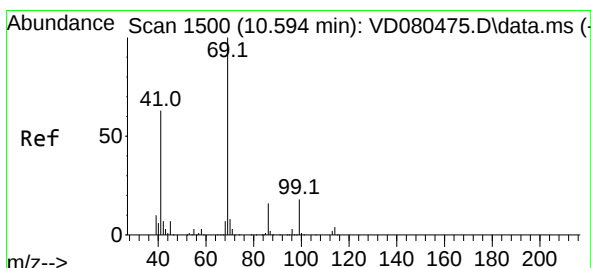
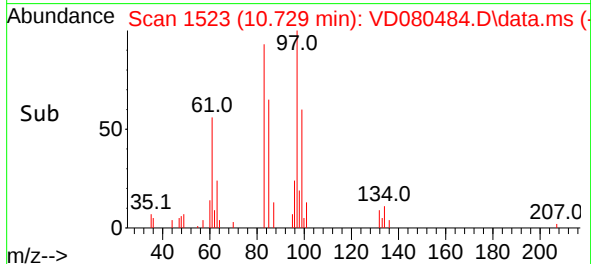
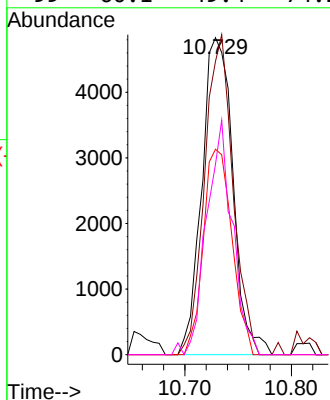
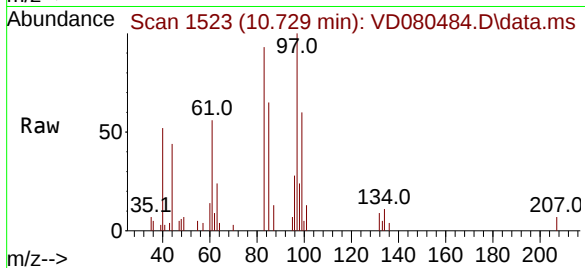




#55
1,1,2-Trichloroethane
Concen: 2.528 ug/l
RT: 10.729 min Scan# 1523
Delta R.T. -0.000 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

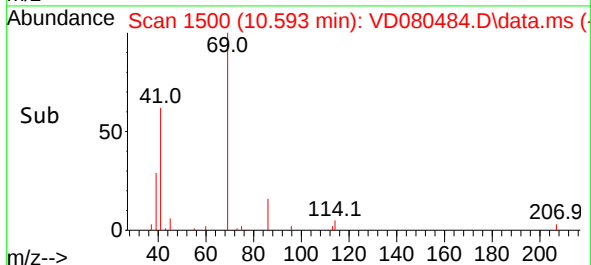
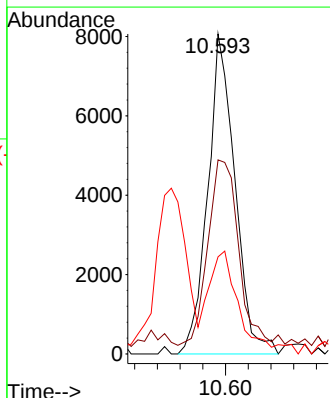
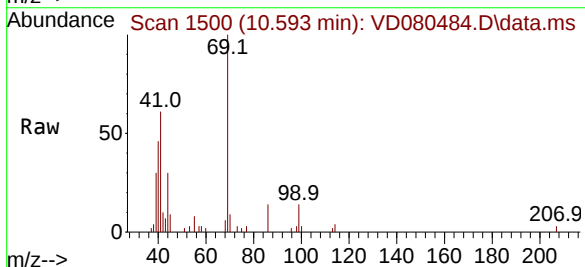
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025

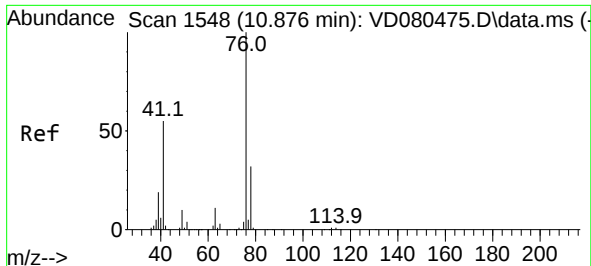
Tgt Ion: 97	Resp: 9811
Ion Ratio	Lower Upper
97 100	
83 92.5	71.4 107.2
85 64.8	43.4 65.2
99 60.1	49.4 74.2



#56
Ethyl methacrylate
Concen: 2.417 ug/l
RT: 10.593 min Scan# 1500
Delta R.T. -0.000 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

Tgt Ion: 69	Resp: 13393
Ion Ratio	Lower Upper
69 100	
41 65.2	50.7 76.1
39 36.8	23.4 35.2#

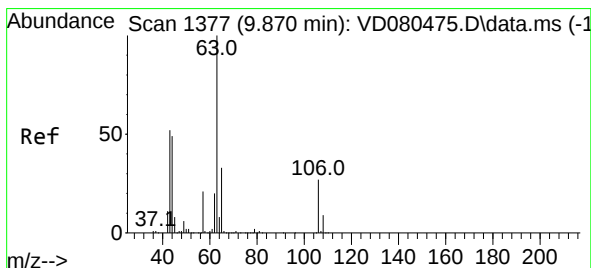
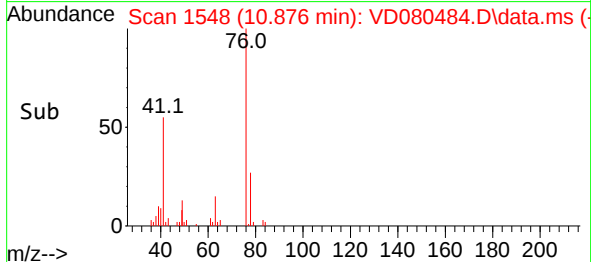
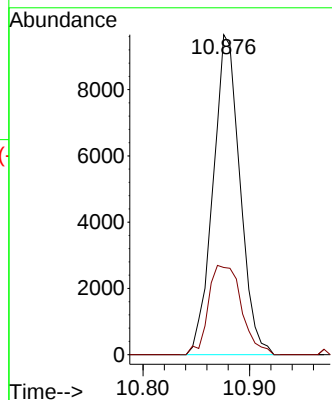
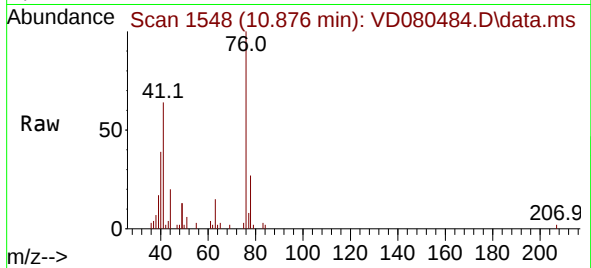




#57
1,3-Dichloropropane
Concen: 2.496 ug/l
RT: 10.876 min Scan# 1548
Delta R.T. -0.000 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

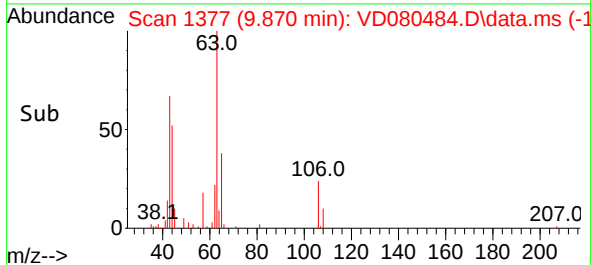
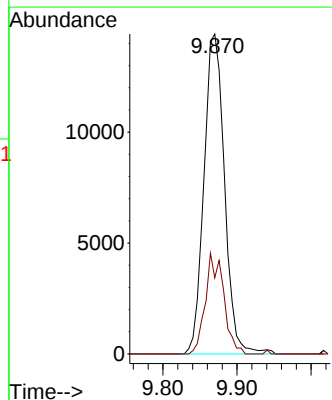
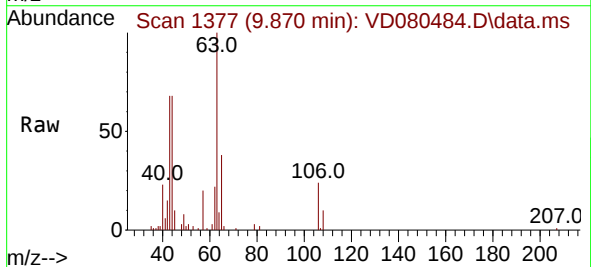
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025

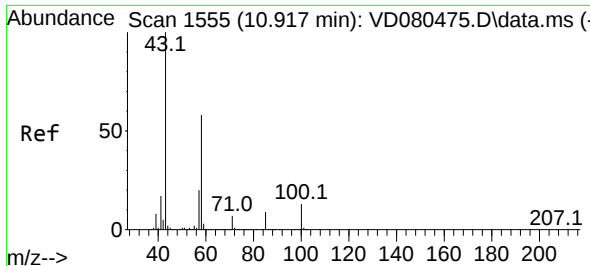
Tgt Ion: 76 Resp: 16950
Ion Ratio Lower Upper
76 100
78 34.2 25.7 38.5



#58
2-Chloroethyl Vinyl ether
Concen: 13.153 ug/l
RT: 9.870 min Scan# 1377
Delta R.T. -0.000 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

Tgt Ion: 63 Resp: 27832
Ion Ratio Lower Upper
63 100
106 27.9 21.7 32.5

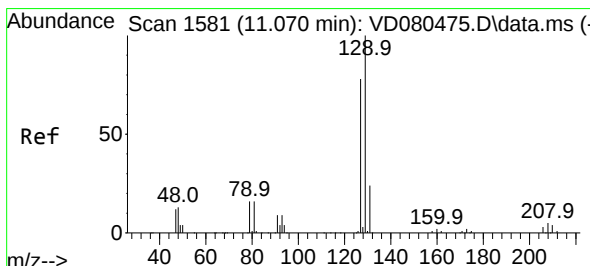
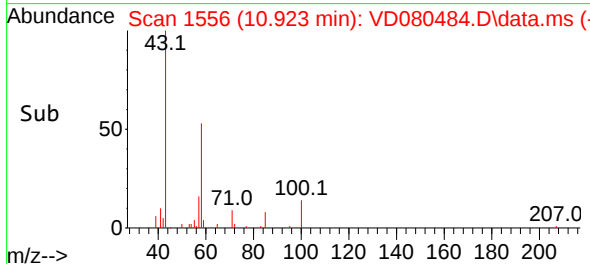
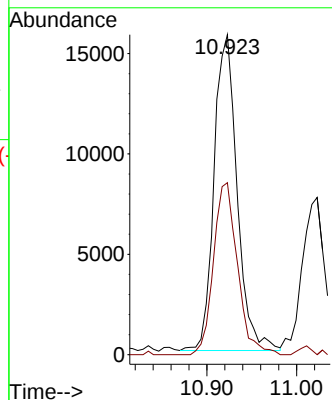
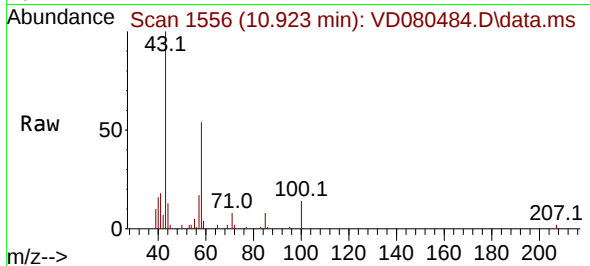




#59
2-Hexanone
Concen: 11.886 ug/l
RT: 10.923 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

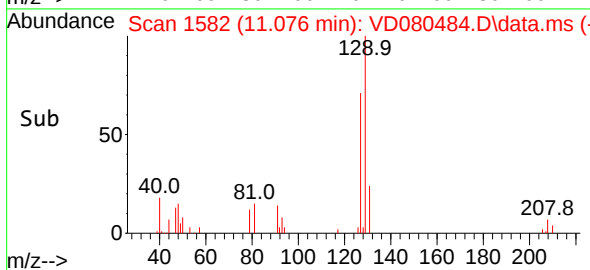
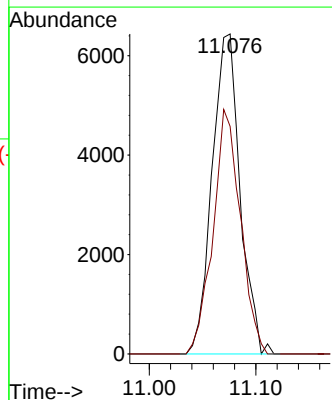
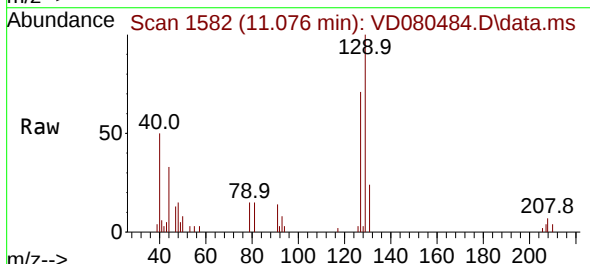
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

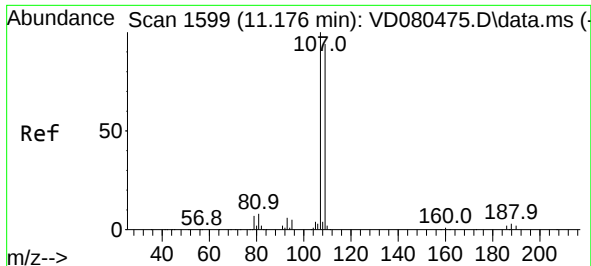
Tgt Ion: 43 Resp: 28035
Ion Ratio Lower Upper
43 100
58 56.7 29.0 87.1



#60
Dibromochloromethane
Concen: 2.448 ug/l
RT: 11.076 min Scan# 1582
Delta R.T. 0.006 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

Tgt Ion: 129 Resp: 11728
Ion Ratio Lower Upper
129 100
127 75.0 38.4 115.2

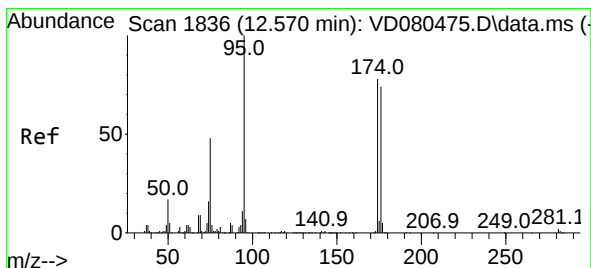
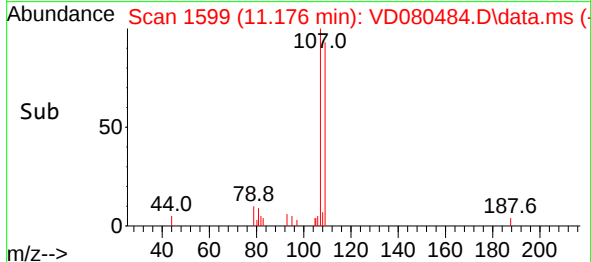
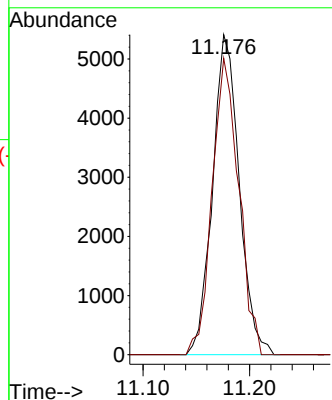
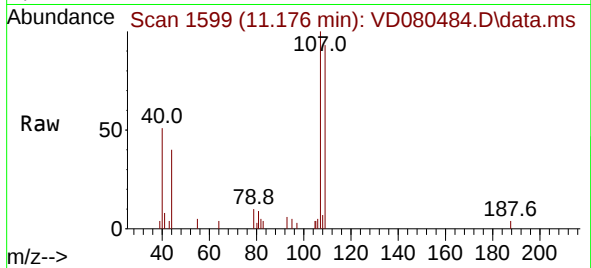




#61
1,2-Dibromoethane
Concen: 2.537 ug/l
RT: 11.176 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

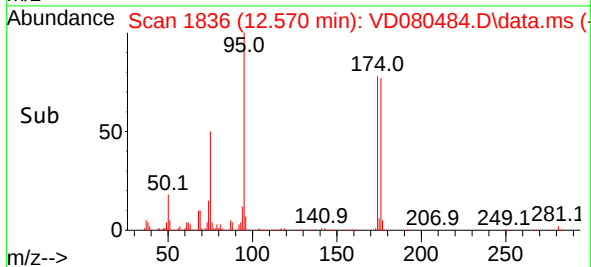
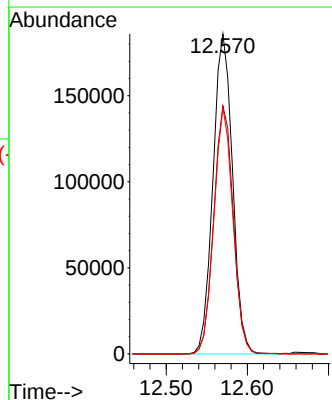
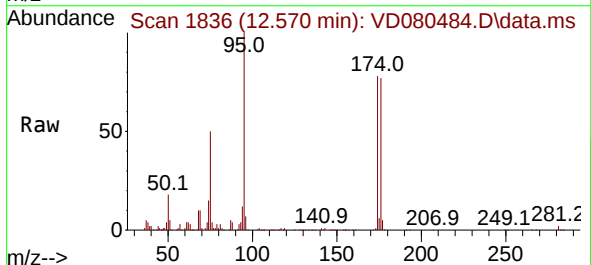
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

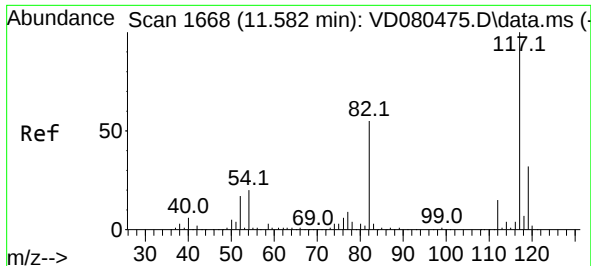
Tgt Ion:107 Resp: 9417
Ion Ratio Lower Upper
107 100
109 92.1 75.4 113.0



#62
4-Bromofluorobenzene
Concen: 53.433 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

Tgt Ion: 95 Resp: 310925
Ion Ratio Lower Upper
95 100
174 77.1 0.0 154.0
176 75.2 0.0 149.6

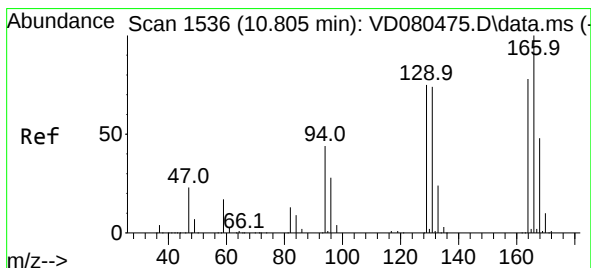
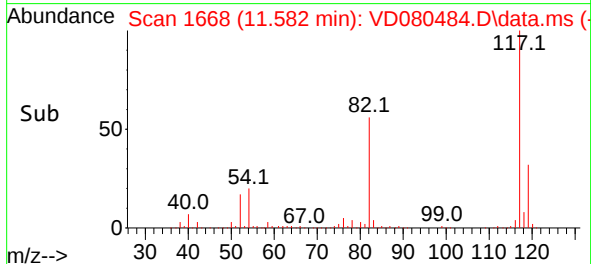
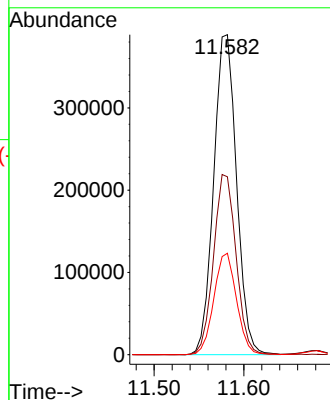
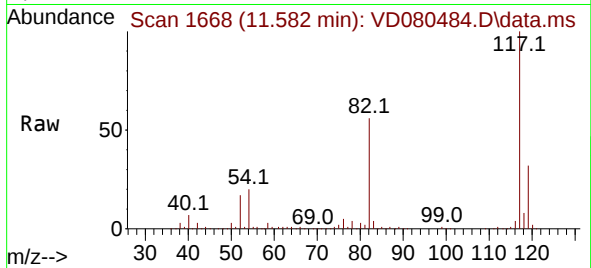




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

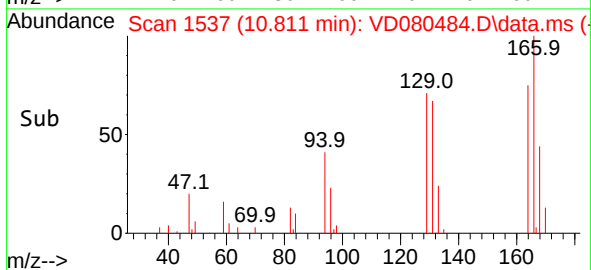
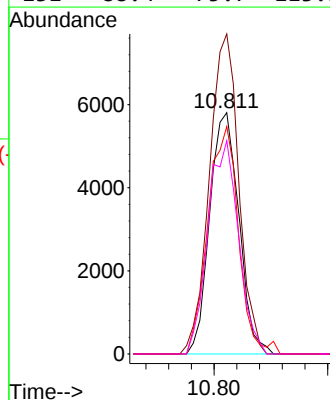
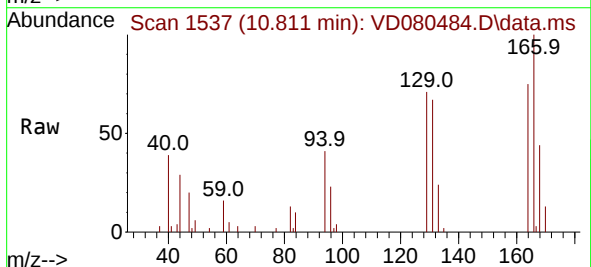
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

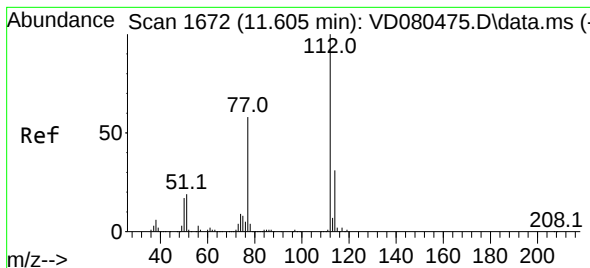
Tgt Ion:117 Resp: 689061
Ion Ratio Lower Upper
117 100
82 55.6 43.7 65.5
119 31.7 25.8 38.6



#64
Tetrachloroethene
Concen: 2.418 ug/l
RT: 10.811 min Scan# 1537
Delta R.T. 0.006 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

Tgt Ion:164 Resp: 10343
Ion Ratio Lower Upper
164 100
166 132.7 102.6 153.8
129 94.3 76.6 115.0
131 88.4 75.7 113.5

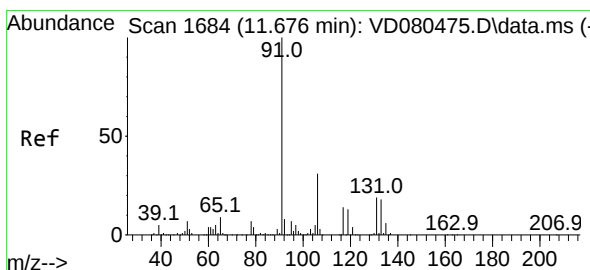
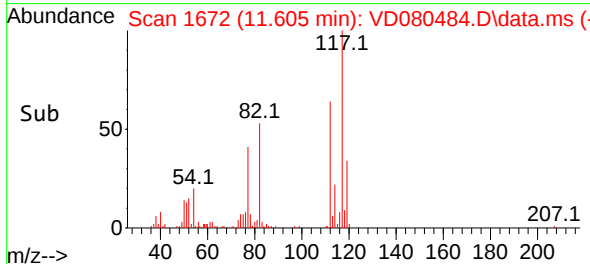
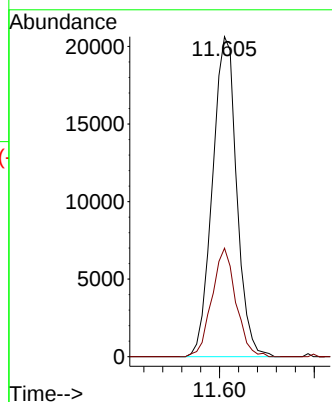
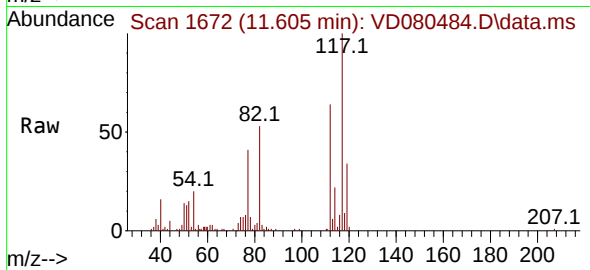




#65
Chlorobenzene
Concen: 2.464 ug/l
RT: 11.605 min Scan# 1672
Delta R.T. -0.000 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

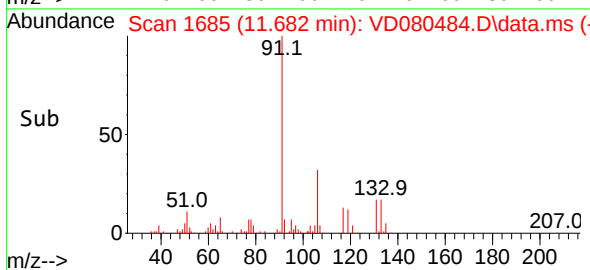
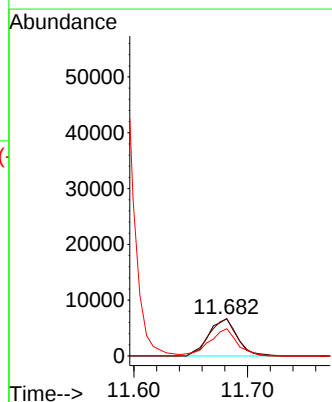
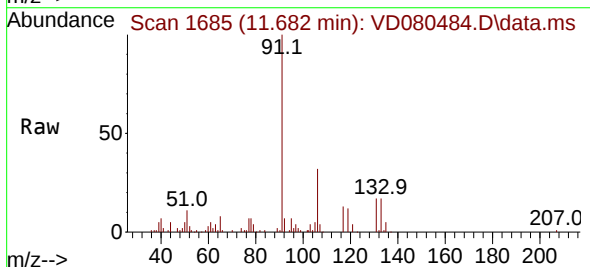
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025

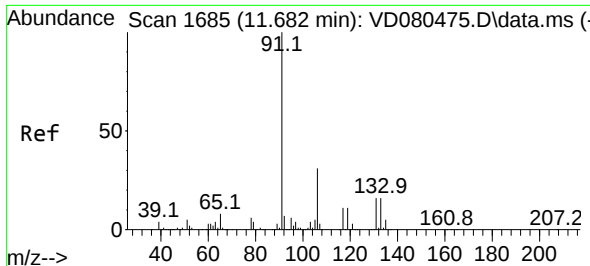
Tgt Ion:112 Resp: 36622
Ion Ratio Lower Upper
112 100
114 33.9 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 2.479 ug/l
RT: 11.682 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

Tgt Ion:131 Resp: 11577
Ion Ratio Lower Upper
131 100
133 98.7 47.3 141.8
119 71.1 34.9 104.7

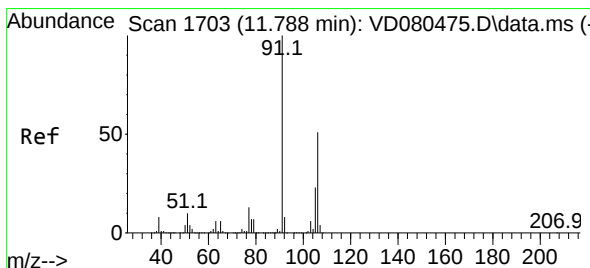
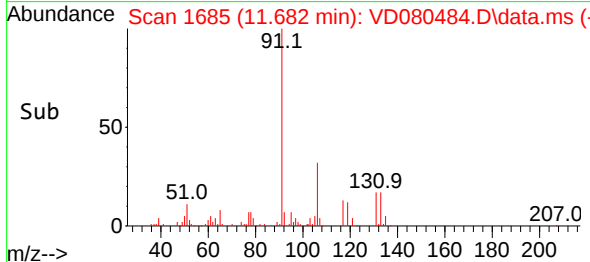
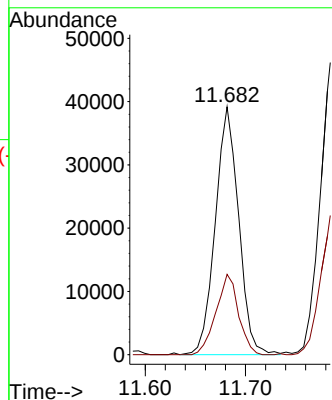
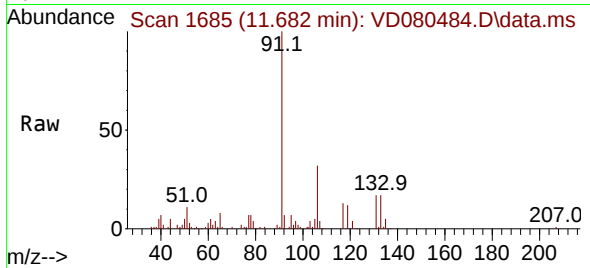




#67
Ethyl Benzene
Concen: 2.436 ug/l
RT: 11.682 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

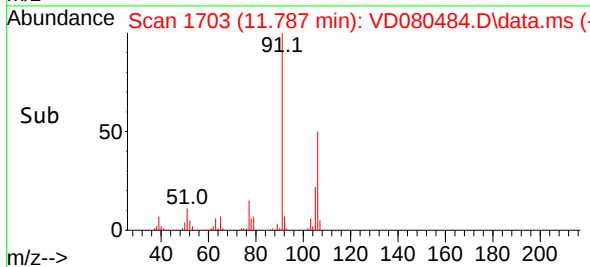
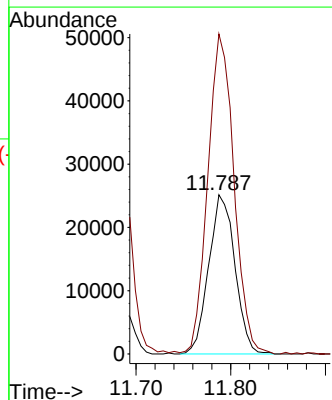
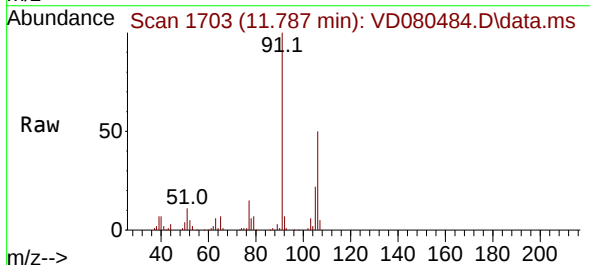
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

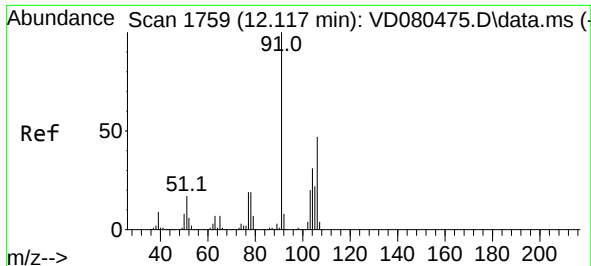
Tgt Ion: 91 Resp: 63321
Ion Ratio Lower Upper
91 100
106 32.4 25.0 37.4



#68
m/p-Xylenes
Concen: 4.893 ug/l
RT: 11.787 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

Tgt Ion: 106 Resp: 48428
Ion Ratio Lower Upper
106 100
91 200.7 159.9 239.9

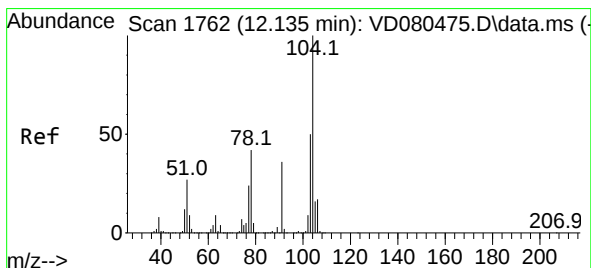
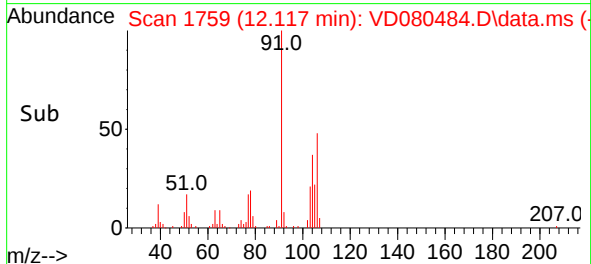
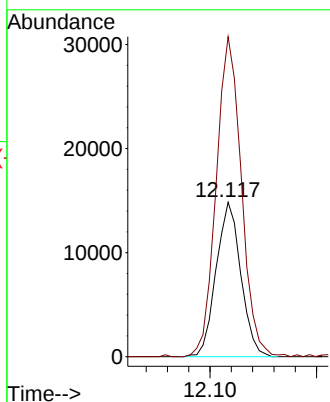
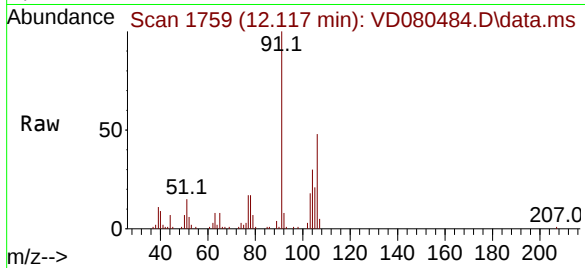




#69
o-Xylene
Concen: 2.492 ug/l
RT: 12.117 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

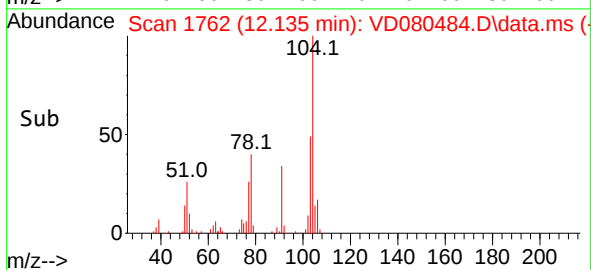
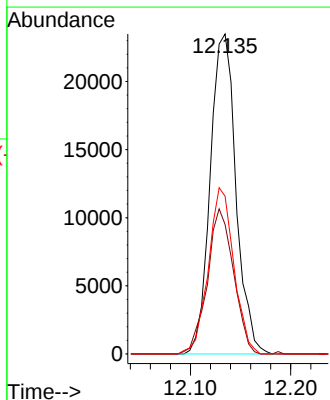
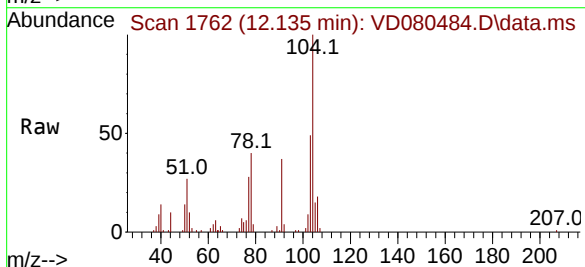
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

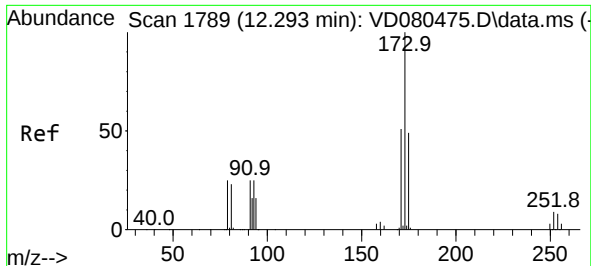
Tgt Ion:106 Resp: 23807
Ion Ratio Lower Upper
106 100
91 211.6 106.5 319.6



#70
Styrene
Concen: 2.592 ug/l
RT: 12.135 min Scan# 1762
Delta R.T. -0.000 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

Tgt Ion:104 Resp: 41884
Ion Ratio Lower Upper
104 100
78 46.2 38.5 57.7
103 51.5 44.1 66.1

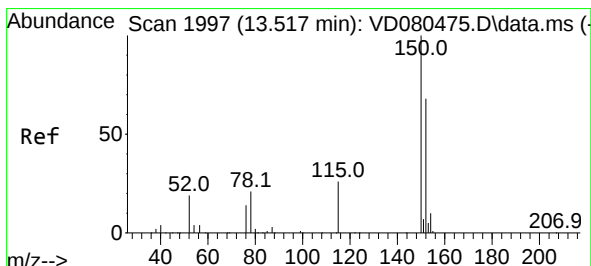
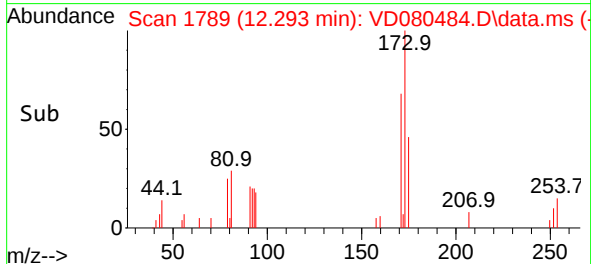
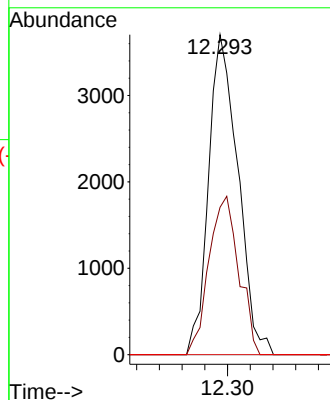
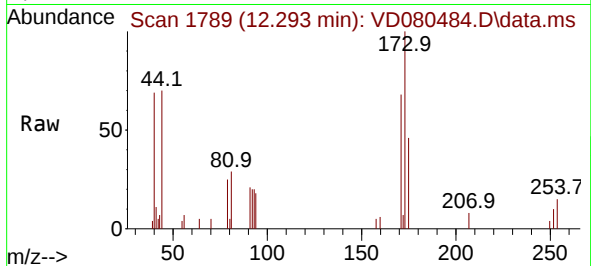




#71
Bromoform
Concen: 2.499 ug/l
RT: 12.293 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

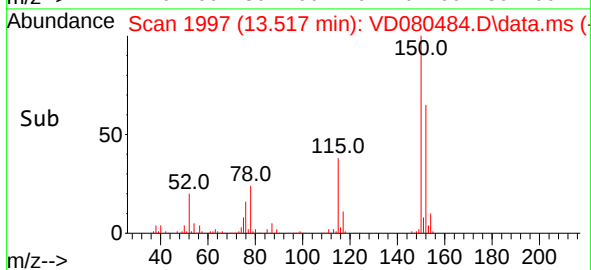
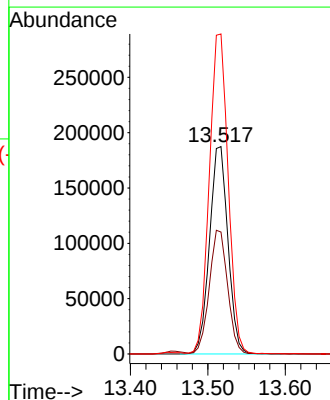
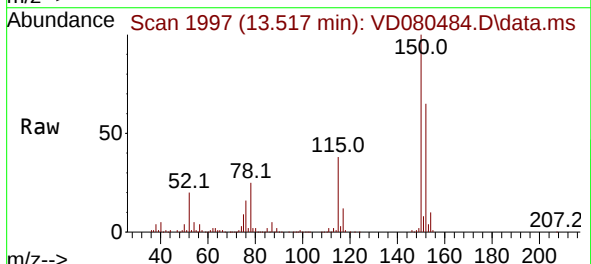
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

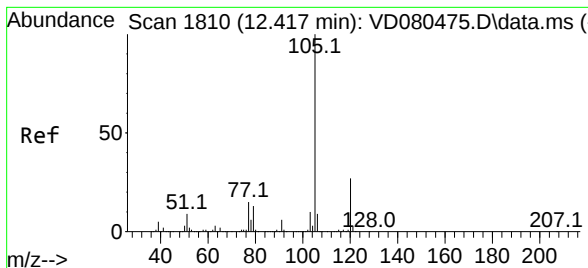
Tgt Ion:173 Resp: 6647
Ion Ratio Lower Upper
173 100
175 50.5 24.1 72.4
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.517 min Scan# 1997
Delta R.T. -0.000 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

Tgt Ion:152 Resp: 310760
Ion Ratio Lower Upper
152 100
115 59.4 30.2 90.6
150 157.2 0.0 350.2





#73

Isopropylbenzene

Concen: 2.429 ug/l

RT: 12.417 min Scan# 1810

Delta R.T. -0.000 min

Lab File: VD080484.D

Acq: 26 Jun 2025 16:24

Instrument :

MSVOA_D

ClientSampleId :

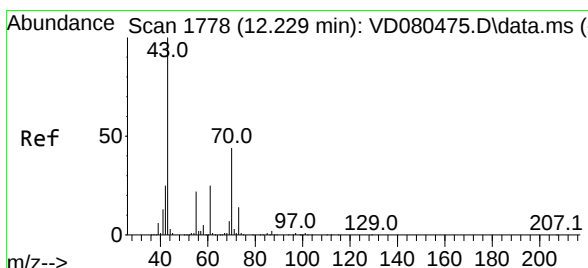
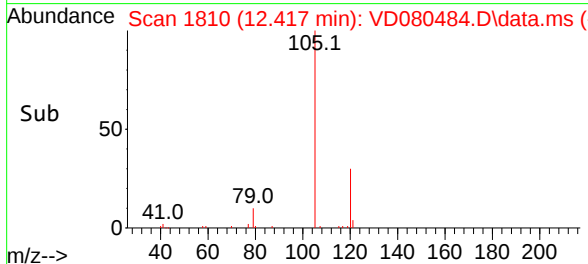
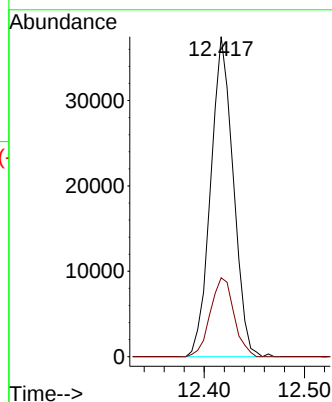
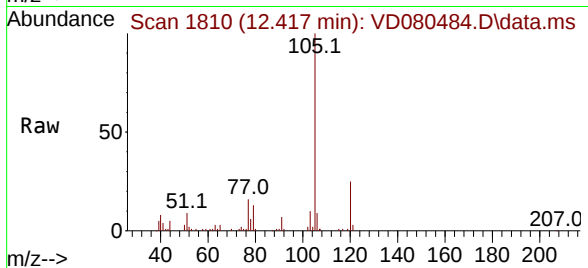
LOD-MDL-SOIL-03-QT2-2025

Tgt Ion:105 Resp: 58670

Ion Ratio Lower Upper

105 100

120 25.8 13.3 39.9



#74

N-ethyl acetate

Concen: 2.320 ug/l

RT: 12.229 min Scan# 1778

Delta R.T. -0.000 min

Lab File: VD080484.D

Acq: 26 Jun 2025 16:24

Tgt Ion: 43 Resp: 14678

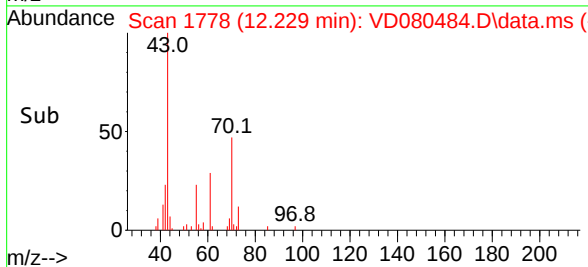
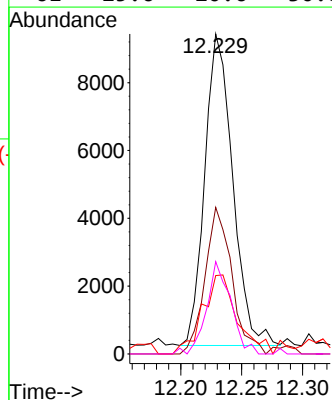
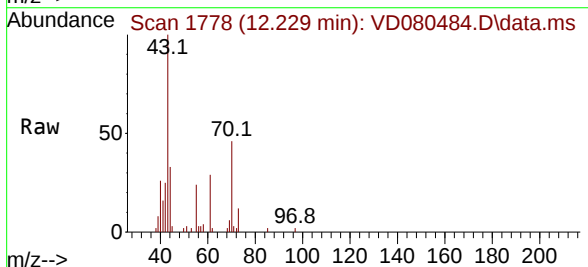
Ion Ratio Lower Upper

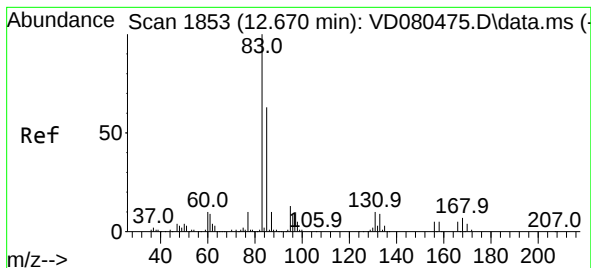
43 100

70 45.1 35.4 53.2

55 31.2 18.8 28.2#

61 25.6 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 2.659 ug/l

RT: 12.670 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VD080484.D

Acq: 26 Jun 2025 16:24

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

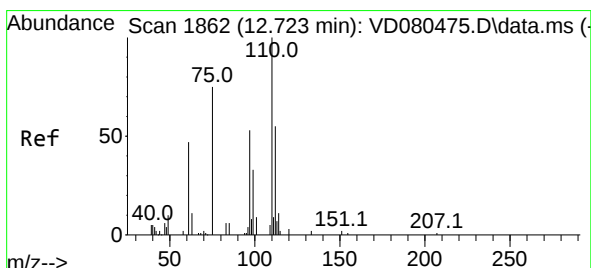
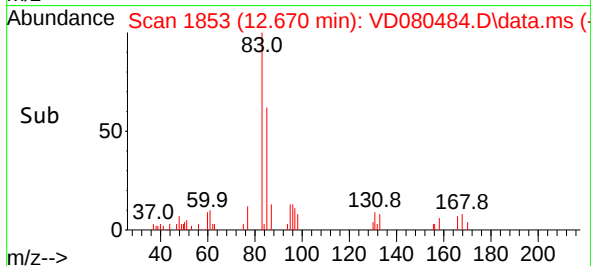
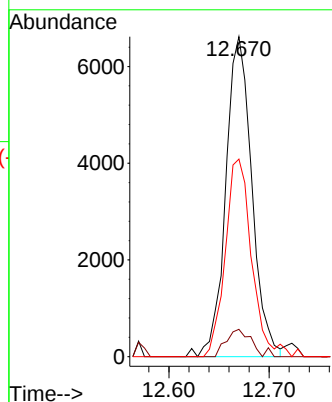
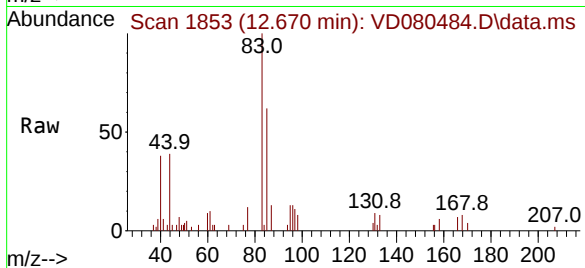
Tgt Ion: 83 Resp: 11962

Ion Ratio Lower Upper

83 100

131 7.8 4.8 14.3

85 62.7 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 5.560 ug/l

RT: 12.717 min Scan# 1861

Delta R.T. -0.006 min

Lab File: VD080484.D

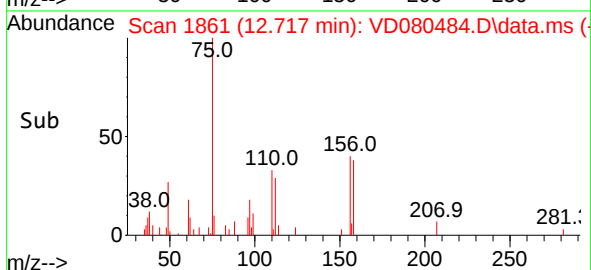
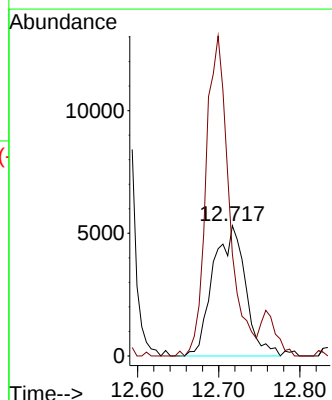
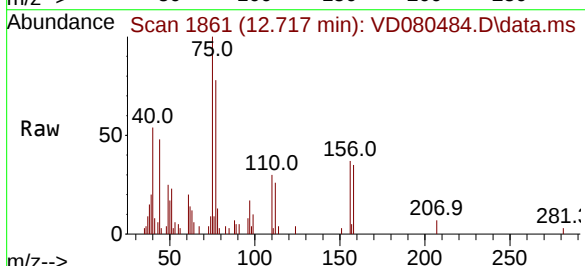
Acq: 26 Jun 2025 16:24

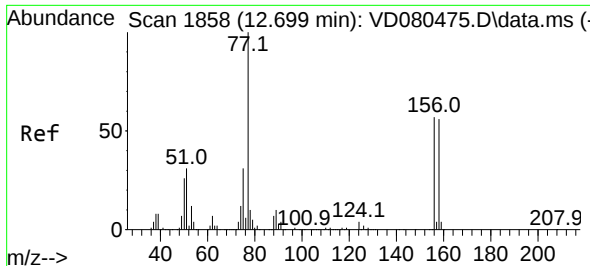
Tgt Ion: 75 Resp: 14687

Ion Ratio Lower Upper

75 100

77 175.6 0.0 0.0#

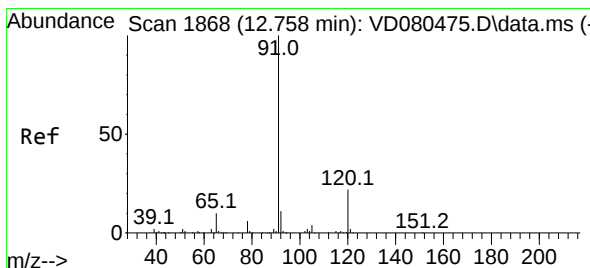
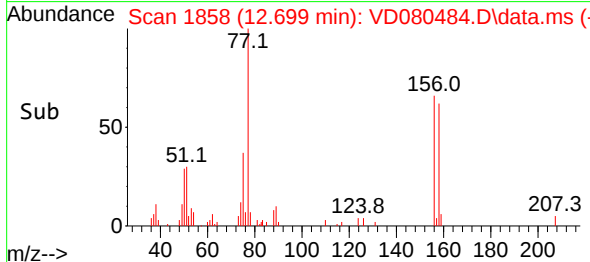
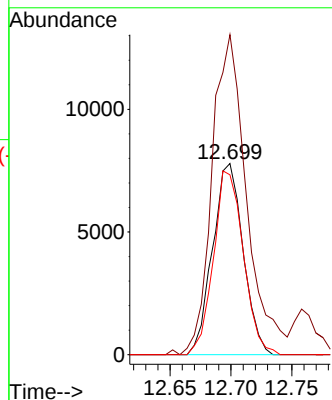
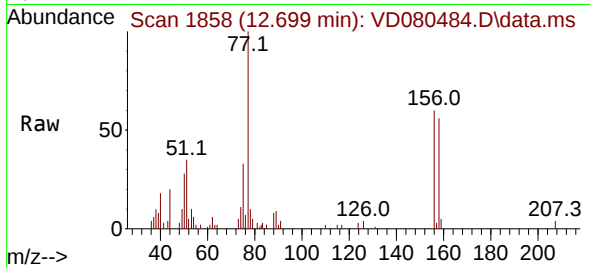




#77
Bromobenzene
Concen: 2.514 ug/l
RT: 12.699 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

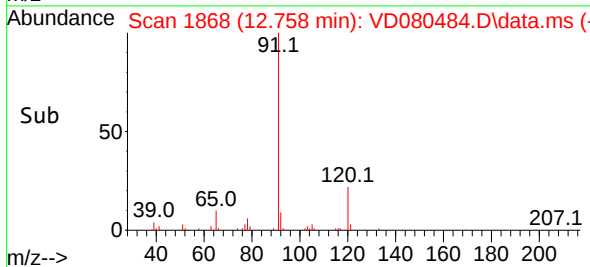
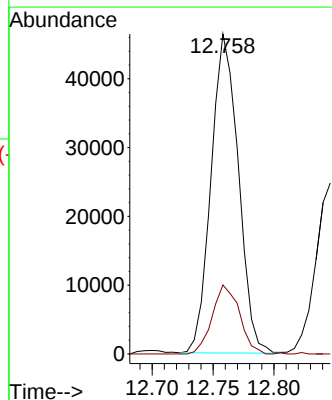
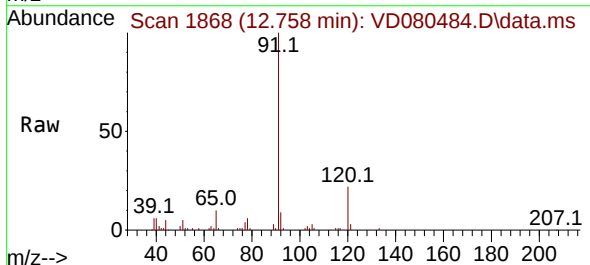
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

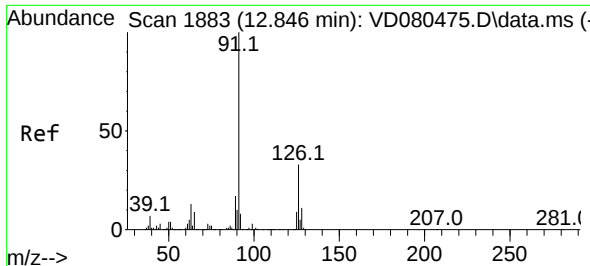
Tgt Ion:156 Resp: 13583
Ion Ratio Lower Upper
156 100
77 189.9 97.3 291.8
158 94.1 48.5 145.6



#78
n-propylbenzene
Concen: 2.489 ug/l
RT: 12.758 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

Tgt Ion: 91 Resp: 72375
Ion Ratio Lower Upper
91 100
120 21.5 11.3 33.9

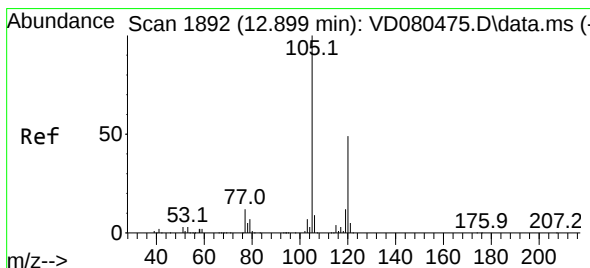
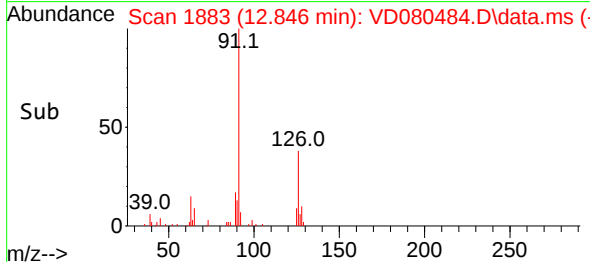
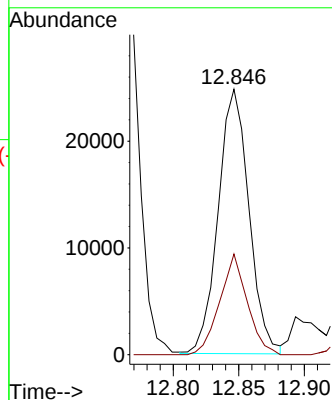
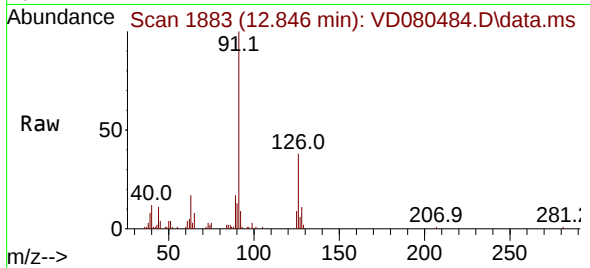




#79
2-Chlorotoluene
Concen: 2.422 ug/l
RT: 12.846 min Scan# 1883
Delta R.T. -0.000 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

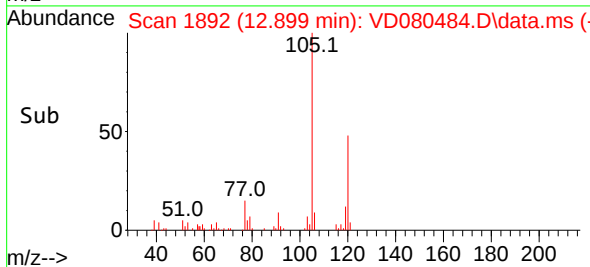
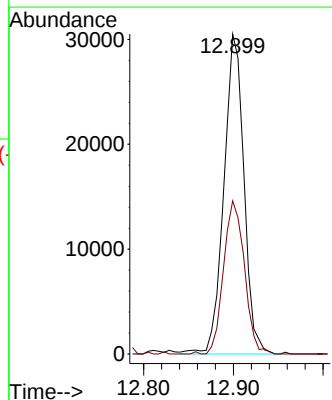
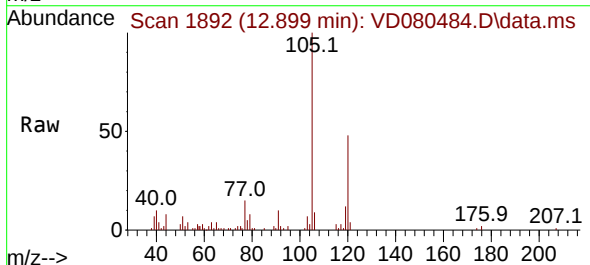
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025

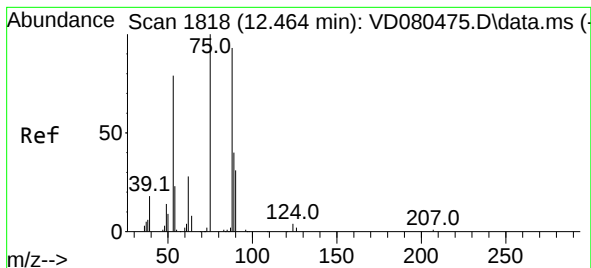
Tgt Ion: 91 Resp: 40502
Ion Ratio Lower Upper
91 100
126 34.0 16.6 49.8



#80
1,3,5-Trimethylbenzene
Concen: 2.414 ug/l
RT: 12.899 min Scan# 1892
Delta R.T. -0.000 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

Tgt Ion: 105 Resp: 47293
Ion Ratio Lower Upper
105 100
120 49.8 24.5 73.5

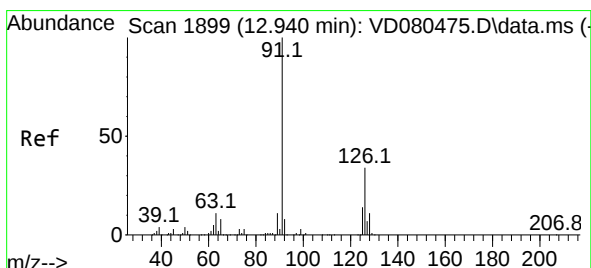
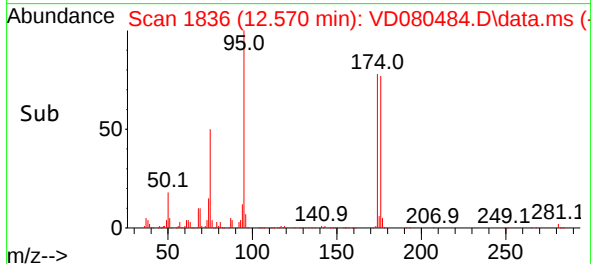
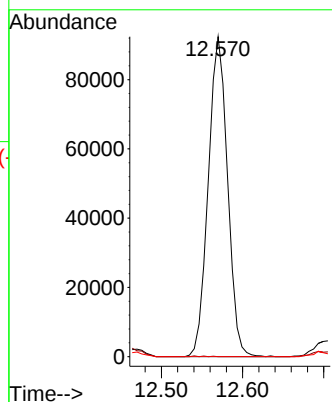
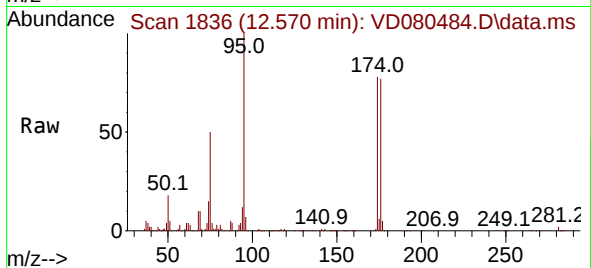




#81
trans-1,4-Dichloro-2-butene
Concen: 85.661 ug/l
RT: 12.570 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

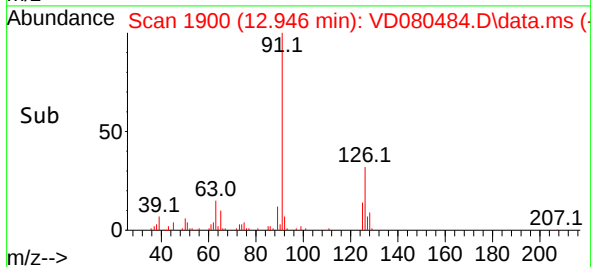
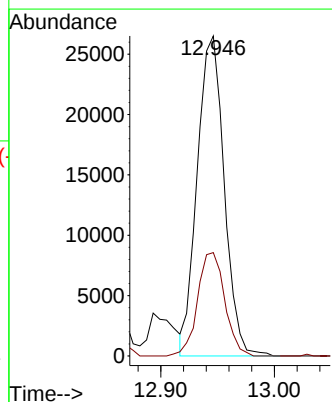
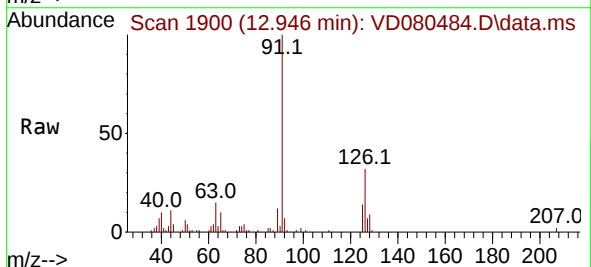
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

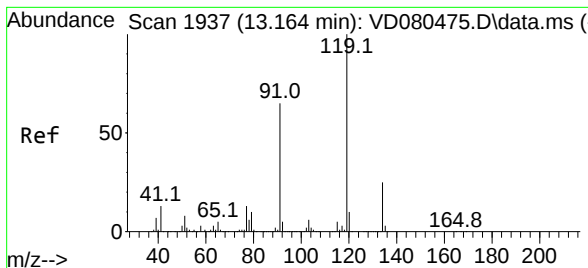
Tgt Ion: 75 Resp: 152279
Ion Ratio Lower Upper
75 100
53 0.0 61.5 92.3#
89 0.0 33.0 49.6#



#82
4-Chlorotoluene
Concen: 2.546 ug/l
RT: 12.946 min Scan# 1900
Delta R.T. 0.006 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

Tgt Ion: 91 Resp: 43742
Ion Ratio Lower Upper
91 100
126 32.5 17.0 50.9





#83

tert-Butylbenzene

Concen: 2.347 ug/l

RT: 13.164 min Scan# 1937

Delta R.T. -0.000 min

Lab File: VD080484.D

Acq: 26 Jun 2025 16:24

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

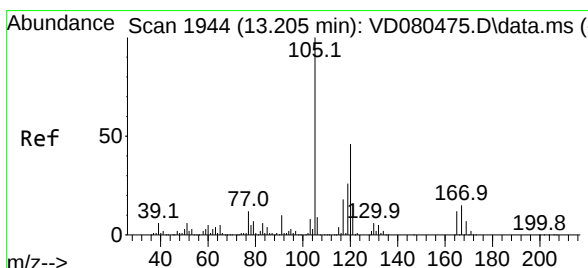
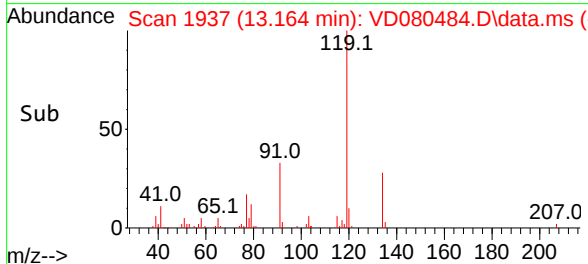
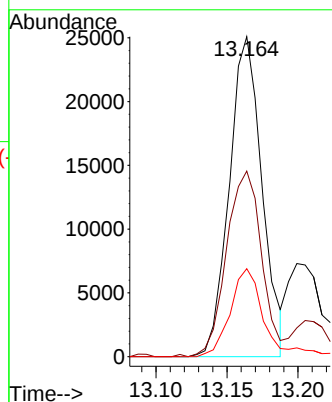
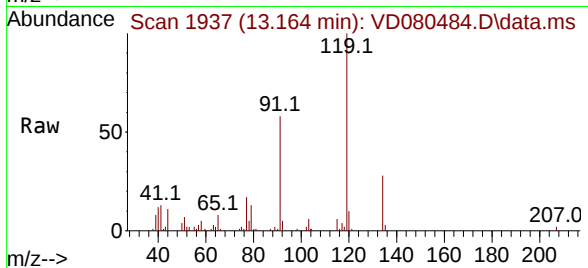
Tgt Ion:119 Resp: 40212

Ion Ratio Lower Upper

119 100

91 61.9 32.4 97.2

134 28.4 13.1 39.3



#84

1,2,4-Trimethylbenzene

Concen: 2.508 ug/l

RT: 13.205 min Scan# 1944

Delta R.T. -0.000 min

Lab File: VD080484.D

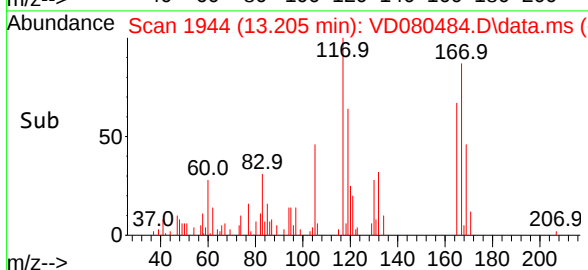
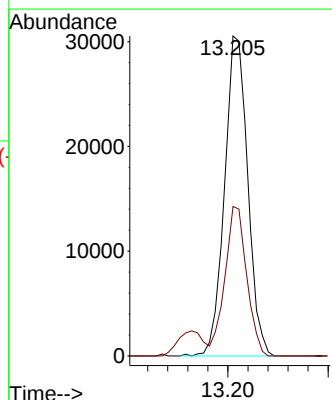
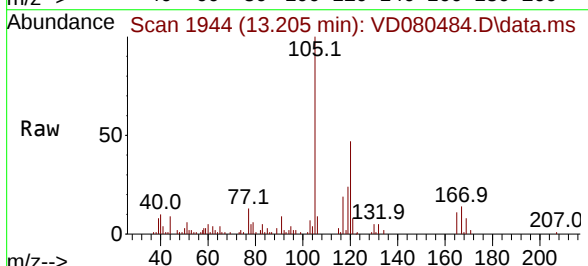
Acq: 26 Jun 2025 16:24

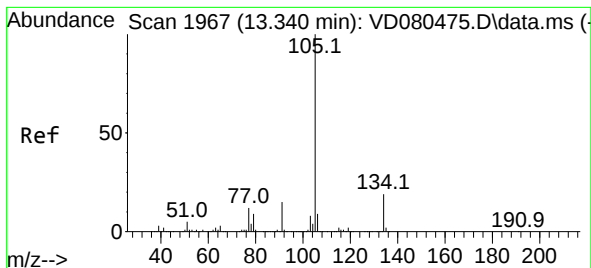
Tgt Ion:105 Resp: 49049

Ion Ratio Lower Upper

105 100

120 43.9 22.8 68.3





#85

sec-Butylbenzene

Concen: 2.402 ug/l

RT: 13.340 min Scan# 1967

Delta R.T. -0.000 min

Lab File: VD080484.D

Acq: 26 Jun 2025 16:24

Instrument :

MSVOA_D

ClientSampleId :

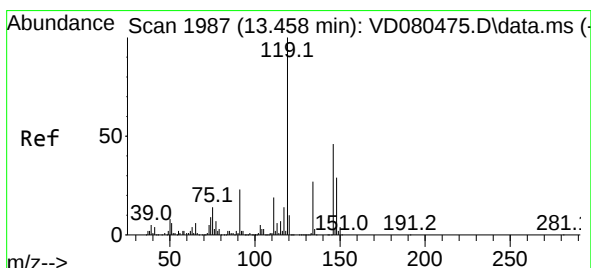
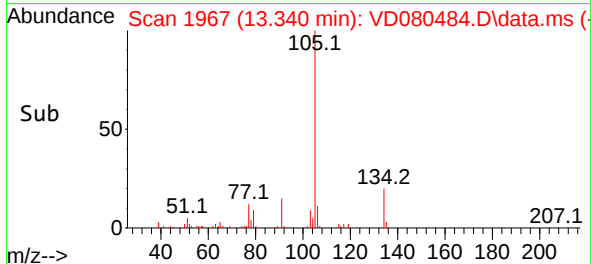
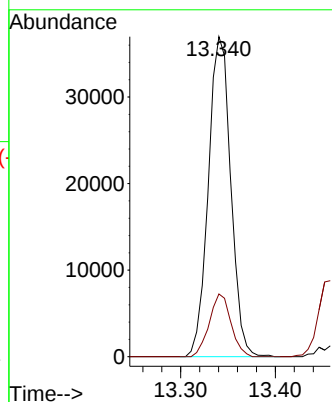
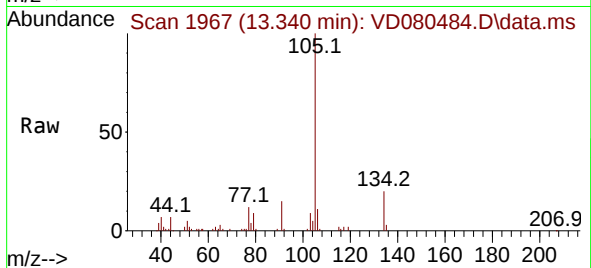
LOD-MDL-SOIL-03-QT2-2025

Tgt Ion:105 Resp: 60802

Ion Ratio Lower Upper

105 100

134 18.9 9.8 29.4



#86

p-Isopropyltoluene

Concen: 2.436 ug/l

RT: 13.458 min Scan# 1987

Delta R.T. -0.000 min

Lab File: VD080484.D

Acq: 26 Jun 2025 16:24

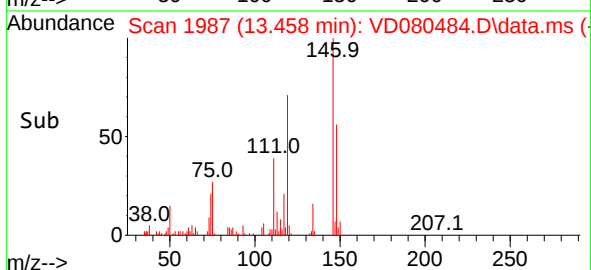
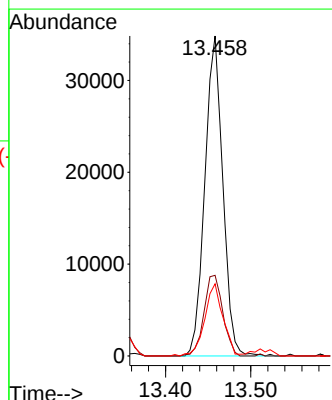
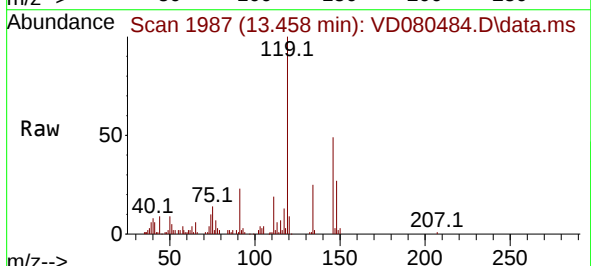
Tgt Ion:119 Resp: 51013

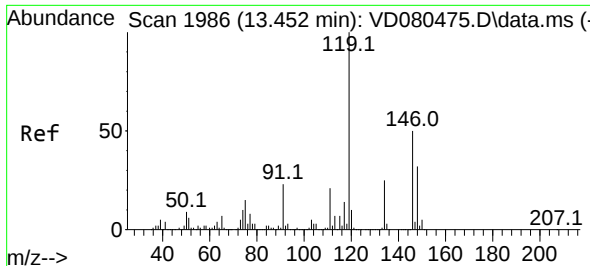
Ion Ratio Lower Upper

119 100

134 26.5 13.0 38.9

91 23.0 11.5 34.5

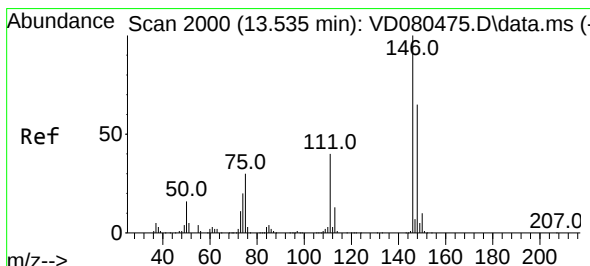
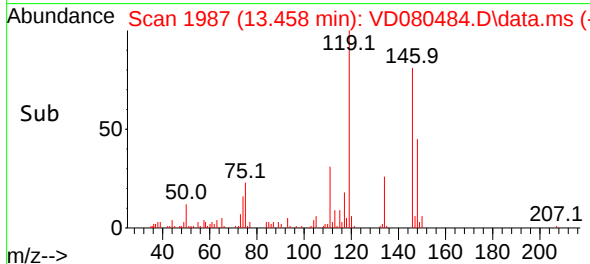
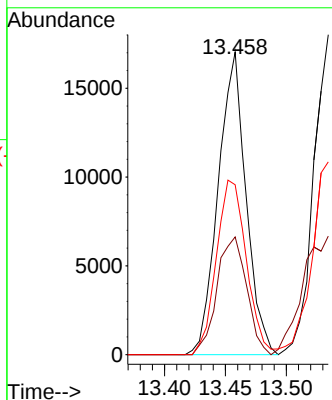
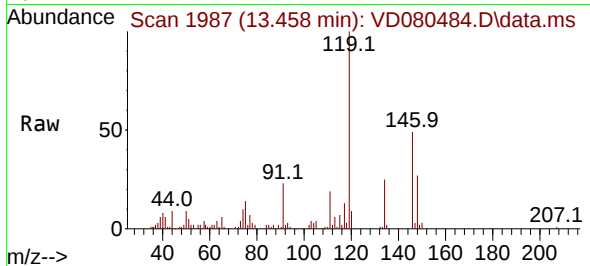




#87
1,3-Dichlorobenzene
Concen: 2.596 ug/l
RT: 13.458 min Scan# 1986
Delta R.T. 0.006 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

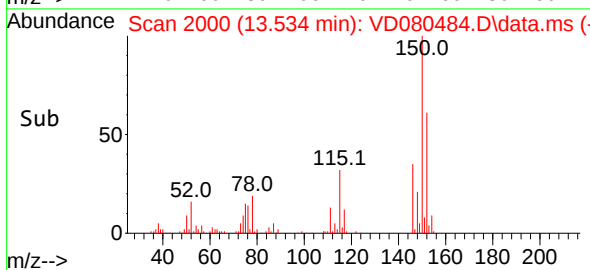
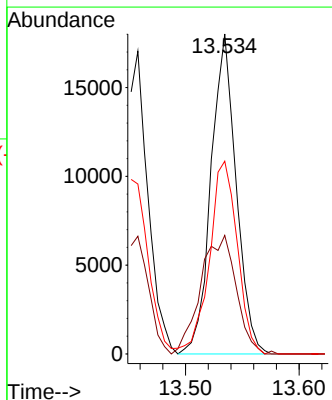
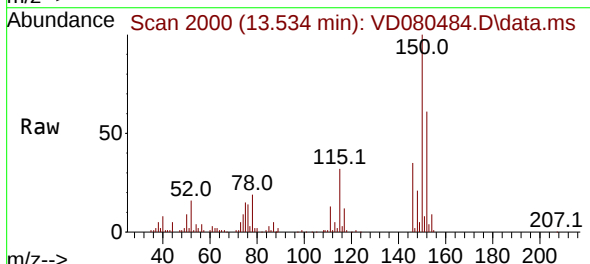
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

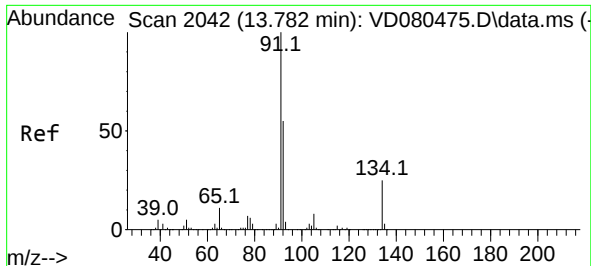
Tgt Ion:146 Resp: 27129
Ion Ratio Lower Upper
146 100
111 41.4 20.6 61.8
148 62.4 31.5 94.5



#88
1,4-Dichlorobenzene
Concen: 2.662 ug/l
RT: 13.534 min Scan# 2000
Delta R.T. -0.000 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

Tgt Ion:146 Resp: 27761
Ion Ratio Lower Upper
146 100
111 52.4 20.0 60.0
148 66.5 32.1 96.3

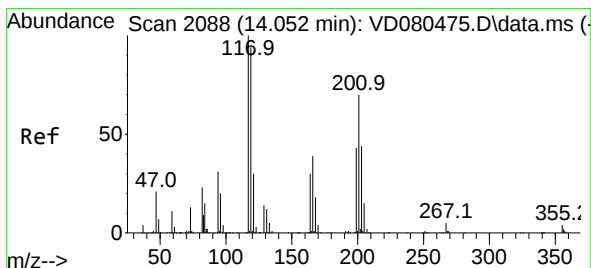
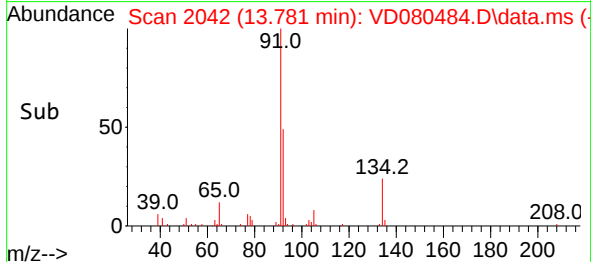
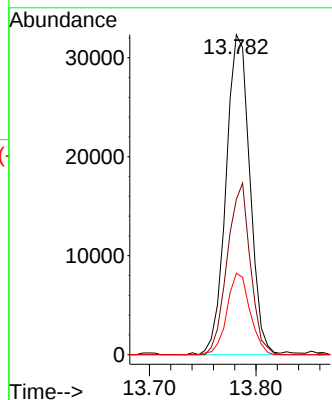
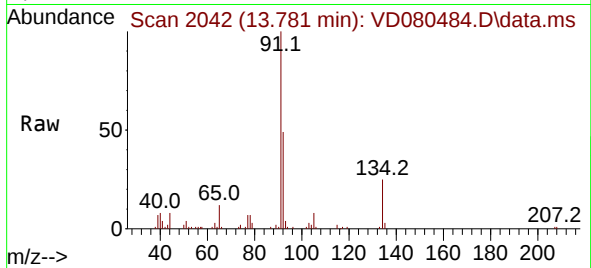




#89
n-Butylbenzene
Concen: 2.500 ug/l
RT: 13.781 min Scan# 2042
Delta R.T. -0.000 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

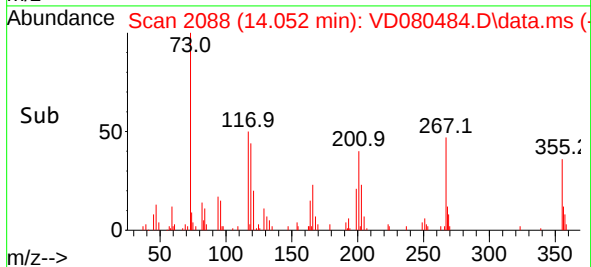
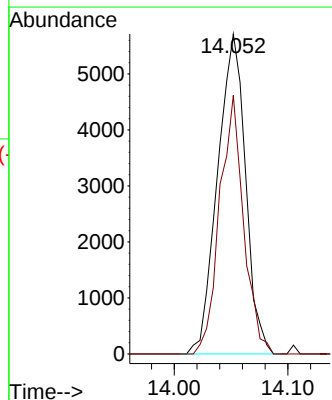
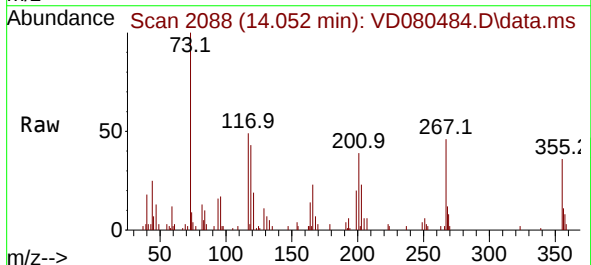
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-03-QT2-2025

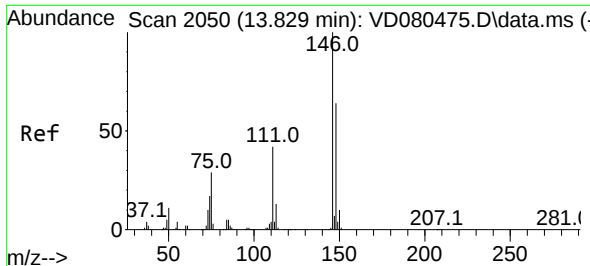
Tgt Ion: 91 Resp: 50244
Ion Ratio Lower Upper
91 100
92 51.7 27.4 82.0
134 24.7 12.6 37.8



#90
Hexachloroethane
Concen: 2.414 ug/l
RT: 14.052 min Scan# 2088
Delta R.T. -0.000 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

Tgt Ion: 117 Resp: 9766
Ion Ratio Lower Upper
117 100
201 69.5 34.2 102.5

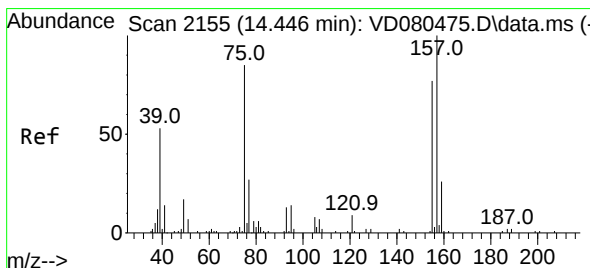
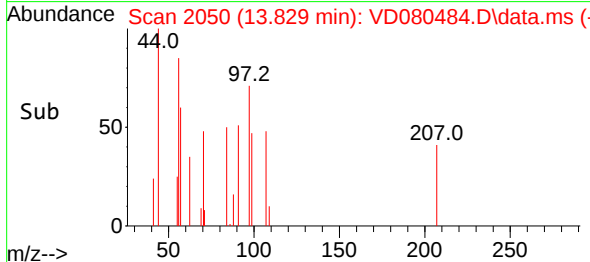
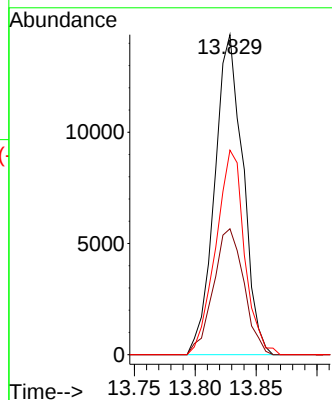
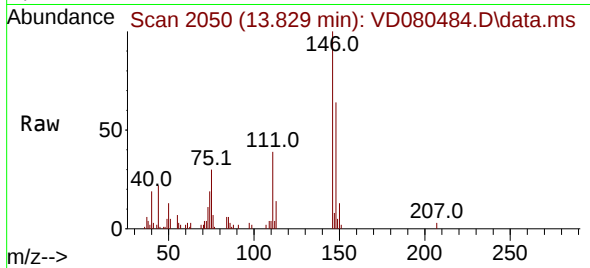




#91
1,2-Dichlorobenzene
Concen: 2.526 ug/l
RT: 13.829 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

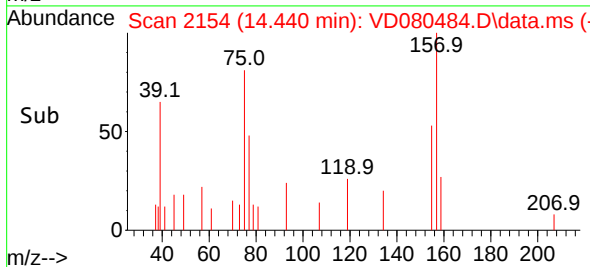
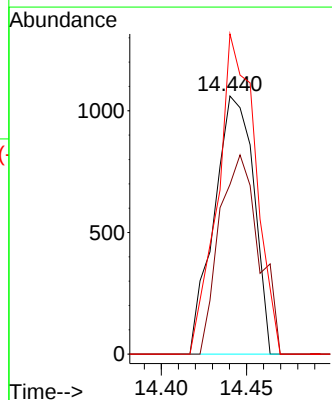
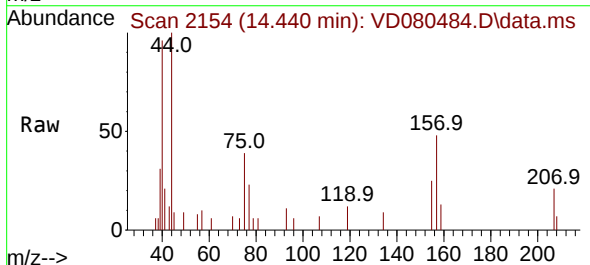
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

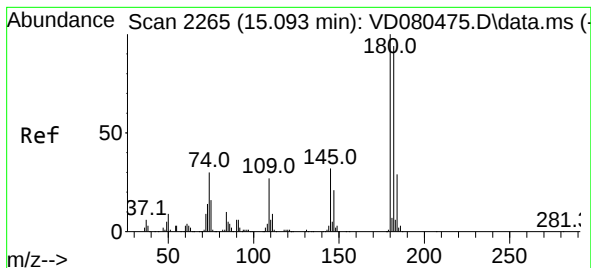
Tgt Ion:146 Resp: 23229
Ion Ratio Lower Upper
146 100
111 42.6 21.3 63.7
148 65.0 31.9 95.7



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.520 ug/l
RT: 14.440 min Scan# 2154
Delta R.T. -0.006 min
Lab File: VD080484.D
Acq: 26 Jun 2025 16:24

Tgt Ion: 75 Resp: 1710
Ion Ratio Lower Upper
75 100
155 77.1 45.6 136.8
157 118.7 58.6 175.8





#93

1,2,4-Trichlorobenzene

Concen: 2.692 ug/l

RT: 15.093 min Scan# 21

Delta R.T. -0.000 min

Lab File: VD080484.D

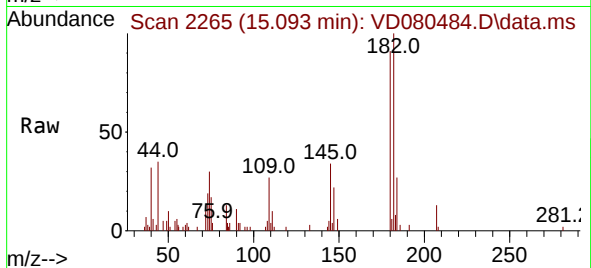
Acq: 26 Jun 2025 16:24

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025



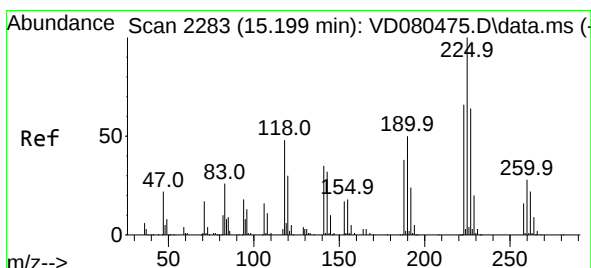
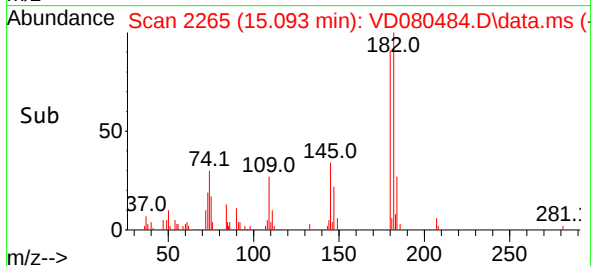
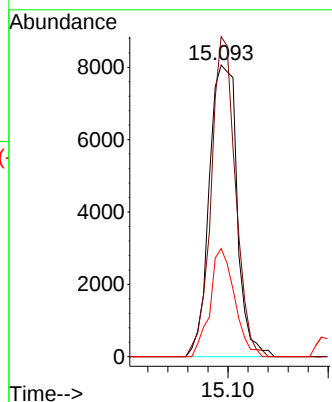
Tgt Ion:180 Resp: 15515

Ion Ratio Lower Upper

180 100

182 96.2 46.8 140.4

145 32.7 16.0 47.9



#94

Hexachlorobutadiene

Concen: 2.522 ug/l

RT: 15.199 min Scan# 2283

Delta R.T. -0.000 min

Lab File: VD080484.D

Acq: 26 Jun 2025 16:24

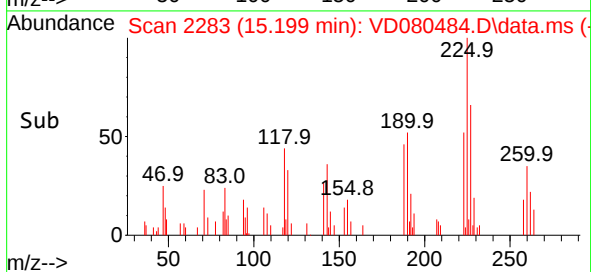
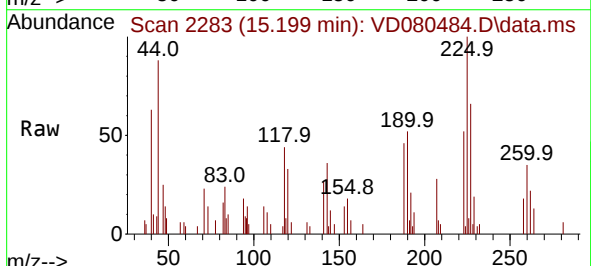
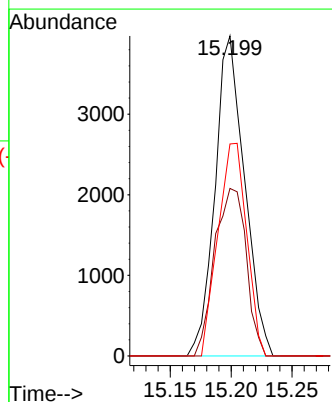
Tgt Ion:225 Resp: 6708

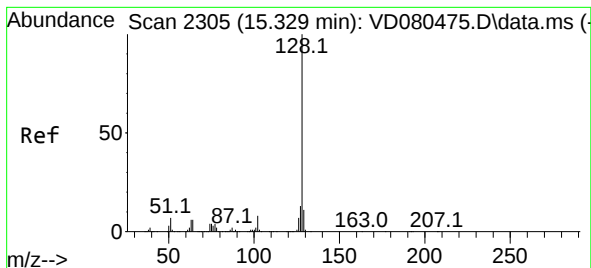
Ion Ratio Lower Upper

225 100

223 55.8 31.4 94.2

227 64.4 31.8 95.3





#95

Naphthalene

Concen: 2.490 ug/l

RT: 15.328 min Scan# 21

Delta R.T. -0.000 min

Lab File: VD080484.D

Acq: 26 Jun 2025 16:24

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-03-QT2-2025

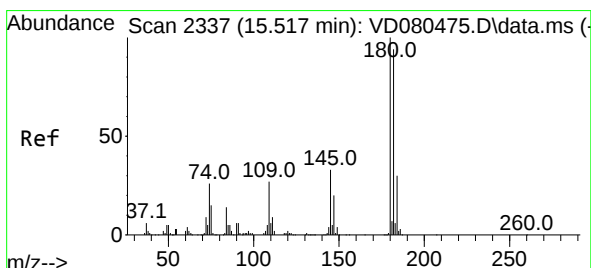
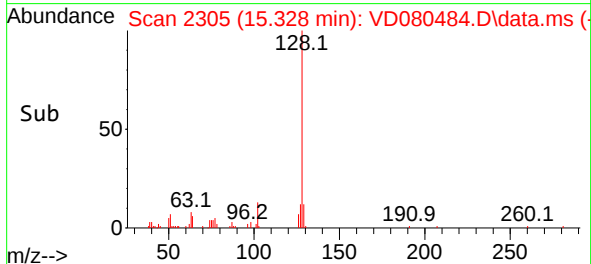
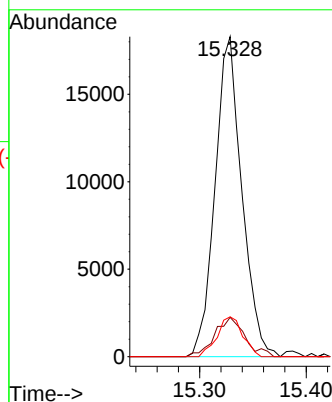
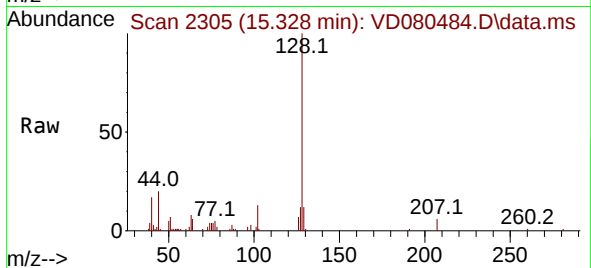
Tgt Ion:128 Resp: 31880

Ion Ratio Lower Upper

128 100

127 12.3 10.6 15.8

129 12.5 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 2.682 ug/l

RT: 15.517 min Scan# 2337

Delta R.T. -0.000 min

Lab File: VD080484.D

Acq: 26 Jun 2025 16:24

Tgt Ion:180 Resp: 13290

Ion Ratio Lower Upper

180 100

182 95.4 47.3 141.9

145 33.2 16.7 50.1

