

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020224\
 Data File : VD078323.D
 Acq On : 02 Feb 2024 13:48
 Operator : RP/MD
 Sample : MDL-02
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT4-2023-08

Quant Time: Feb 03 01:17:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM020124SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Feb 03 00:20:19 2024
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	208487	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	199777	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	82582	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	153403	25.934	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 103.720%	
7) Chloroethane-d5	2.799	69	129948	26.135	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 104.560%	
11) 1,1-Dichloroethene-d2	3.911	65	32888	25.751	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 103.000%	
21) 2-Butanone-d5	6.987	46	43056	49.439	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 98.880%	
24) Chloroform-d	7.569	84	149106	25.084	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 100.320%	
26) 1,2-Dichloroethane-d4	8.228	65	79001	24.627	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 98.520%	
32) Benzene-d6	8.205	84	301960	25.850	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 103.400%	
36) 1,2-Dichloropropane-d6	9.210	67	91679	25.493	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 101.960%	
41) Toluene-d8	10.269	98	267503	25.495	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 102.000%	
43) trans-1,3-Dichloroprop...	10.528	79	39791	24.780	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 99.120%	
47) 2-Hexanone-d5	10.881	63	37513	51.413	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 102.820%	
56) 1,1,2,2-Tetrachloroeth...	12.651	84	81265	24.318	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 97.280%	
66) 1,2-Dichlorobenzene-d4	13.816	152	77682	26.275	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 105.120%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	3415	0.831	ug/L #	88
3) Chloromethane	2.152	50	6192	1.036	ug/L	85
5) Vinyl chloride	2.281	62	7319	0.990	ug/L #	82
6) Bromomethane	2.693	94	2045	0.610	ug/L	75
8) Chloroethane	2.834	64	4371	0.929	ug/L	85
9) Trichlorofluoromethane	3.170	101	4623	0.880	ug/L	88
10) 1,1,2-Trichloro-1,2,2-...	3.969	101	1793	0.548	ug/L #	45
12) 1,1-Dichloroethene	3.940	96	1482	0.490	ug/L #	1
13) Acetone	4.034	43	1649	1.442	ug/L	63
14) Carbon disulfide	4.275	76	9066	0.813	ug/L #	95
15) Methyl Acetate	4.558	43	734	0.428	ug/L #	62
16) Methylene chloride	4.805	84	7349	1.797	ug/L	91
17) trans-1,2-Dichloroethene	5.299	96	1085	0.325	ug/L	90
18) Methyl tert-butyl Ether	5.328	73	2004	0.258	ug/L #	83
19) 1,1-Dichloroethane	6.105	63	4576	0.784	ug/L #	95
20) cis-1,2-Dichloroethene	7.081	96	2392	0.654	ug/L	96
22) 2-Butanone	7.069	43	430	0.311	ug/L	97
23) Bromochloromethane	7.434	128	773	0.479	ug/L #	66
25) Chloroform	7.587	83	6201	0.974	ug/L	87

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 Response via : Initial Calibration

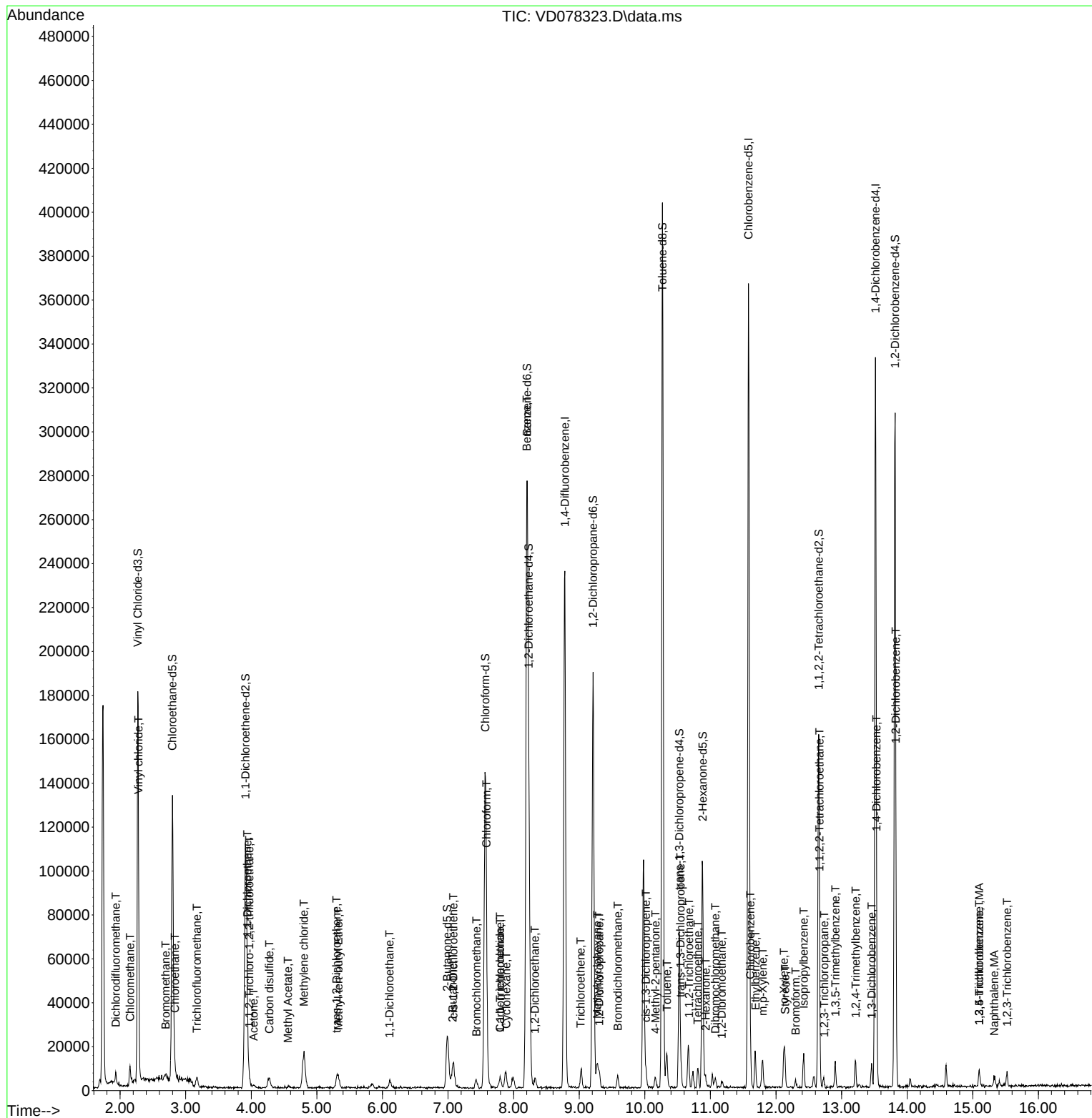
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.322	62	3820	0.934	ug/L	94
29) Cyclohexane	7.887	56	3204	0.709	ug/L #	15
30) 1,1,1-Trichloroethane	7.793	97	2393	0.489	ug/L #	40
31) Carbon tetrachloride	7.793	117	344	0.080	ug/L	96
33) Benzene	8.199	78	1912	0.142	ug/L	100
34) Trichloroethene	9.022	95	2980	0.876	ug/L	79
35) Methylcyclohexane	9.275	83	2251	0.423	ug/L #	40
37) 1,2-Dichloropropane	9.304	63	747	0.211	ug/L #	87
38) Bromodichloromethane	9.587	83	2759	0.596	ug/L #	75
39) cis-1,3-Dichloropropene	10.016	75	4569	0.827	ug/L	91
40) 4-Methyl-2-pentanone	10.163	43	3643	1.654	ug/L #	81
42) Toluene	10.340	91	11320	0.808	ug/L	92
44) trans-1,3-Dichloropropene	10.546	75	5850	1.211	ug/L	92
45) 1,1,2-Trichloroethane	10.675	97	137	0.048	ug/L #	14
46) Tetrachloroethene	10.804	164	1231	0.527	ug/L	86
48) 2-Hexanone	10.928	43	2455	1.366	ug/L #	91
49) Dibromochloromethane	11.075	129	2722	0.857	ug/L	94
50) 1,2-Dibromoethane	11.175	107	2233	0.810	ug/L #	67
51) Chlorobenzene	11.610	112	7888	0.870	ug/L	94
52) Ethylbenzene	11.687	91	11347	0.754	ug/L	94
53) m,p-Xylene	11.798	106	4110	0.711	ug/L	94
54) o-Xylene	12.122	106	3841	0.689	ug/L	90
55) Styrene	12.140	104	6225	0.619	ug/L	82
57) 1,1,2,2-Tetrachloroethane	12.663	83	3110	0.858	ug/L #	76
59) Bromoform	12.298	173	1460	0.881	ug/L #	63
60) Isopropylbenzene	12.422	105	9738	0.780	ug/L	97
61) 1,2,3-Trichloropropane	12.734	75	1538	0.730	ug/L #	91
62) 1,3,5-Trimethylbenzene	12.904	105	6853	0.702	ug/L	100
63) 1,2,4-Trimethylbenzene	13.216	105	7224	0.747	ug/L	94
64) 1,3-Dichlorobenzene	13.457	146	4400	0.790	ug/L	91
65) 1,4-Dichlorobenzene	13.534	146	5826	0.999	ug/L	88
67) 1,2-Dichlorobenzene	13.828	146	4358	0.827	ug/L #	87
69) 1,3,5-Trichlorobenzene	15.098	180	2222	0.648	ug/L	97
70) 1,2,4-trichlorobenzene	15.098	180	2222	0.749	ug/L	96
71) Naphthalene	15.328	128	4787	0.690	ug/L #	78
72) 1,2,3-Trichlorobenzene	15.522	180	2236	0.808	ug/L #	85

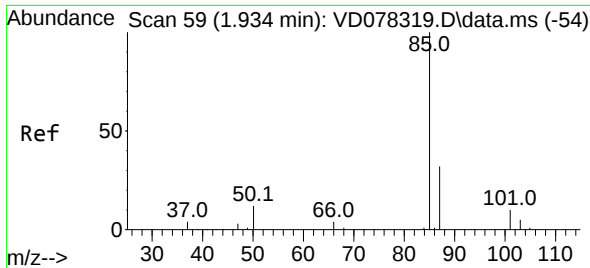
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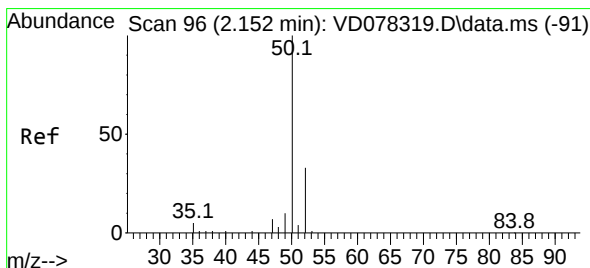
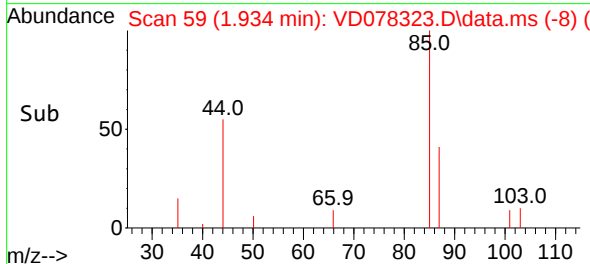
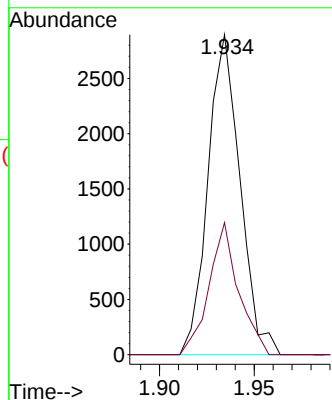
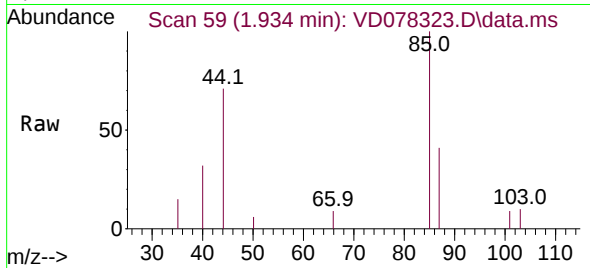




#2
Dichlorodifluoromethane
Concen: 0.831 ug/L
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD078323.D
Acq: 02 Feb 2024 13:48

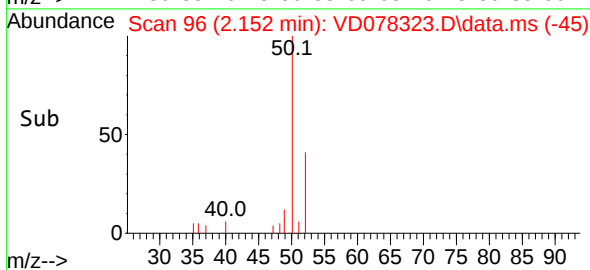
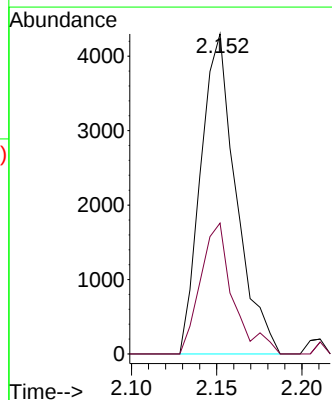
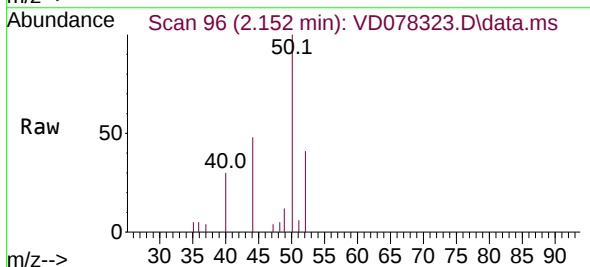
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ClientSampleId : MDL-SOIL-QT4-2023-08

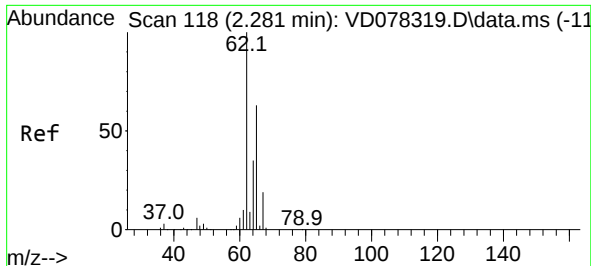
Tgt Ion: 85 Resp: 3415
Ion Ratio Lower Upper
85 100
87 38.0 25.3 37.9#



#3
Chloromethane
Concen: 1.036 ug/L
RT: 2.152 min Scan# 96
Delta R.T. 0.000 min
Lab File: VD078323.D
Acq: 02 Feb 2024 13:48

Tgt Ion: 50 Resp: 6192
Ion Ratio Lower Upper
50 100
52 40.9 22.7 42.3

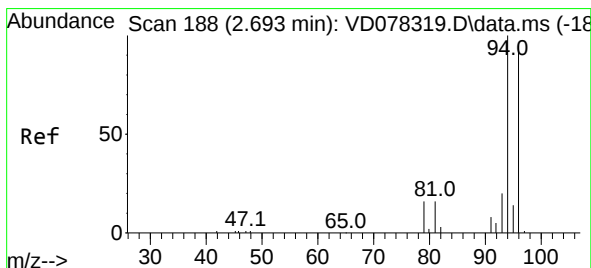
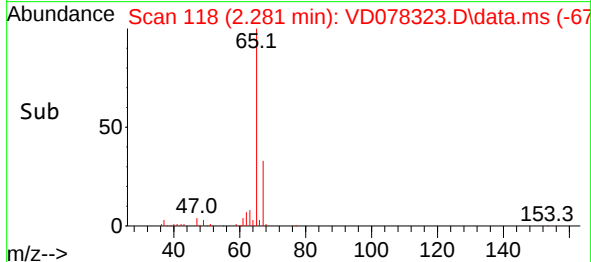
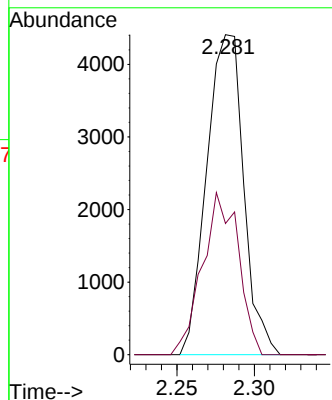
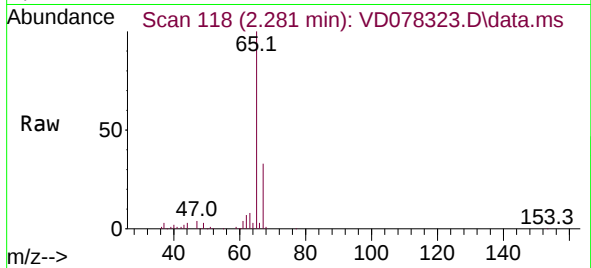




#5
 Vinyl chloride
 Concen: 0.990 ug/L
 RT: 2.281 min Scan# 118
 Delta R.T. 0.000 min
 Lab File: VD078323.D
 Acq: 02 Feb 2024 13:48

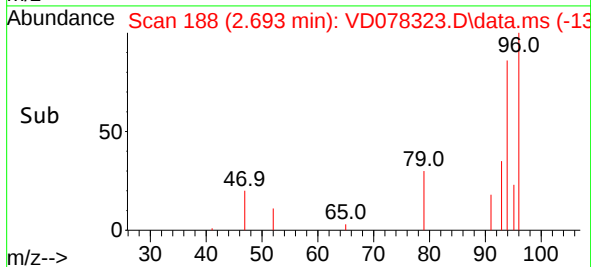
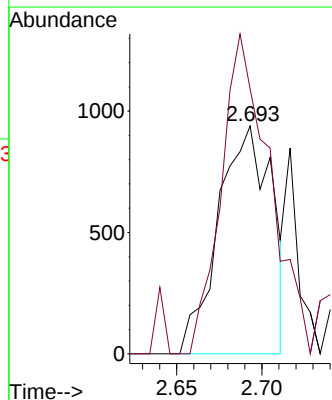
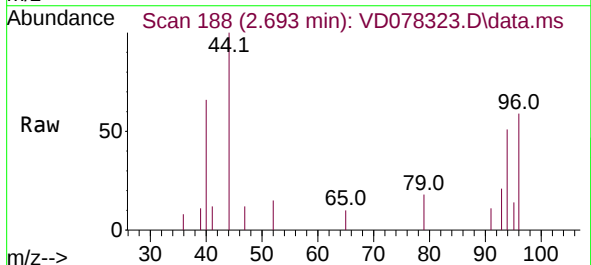
Instrument :
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 ClientSampleId :
 MDL-SOIL-QT4-2023-08

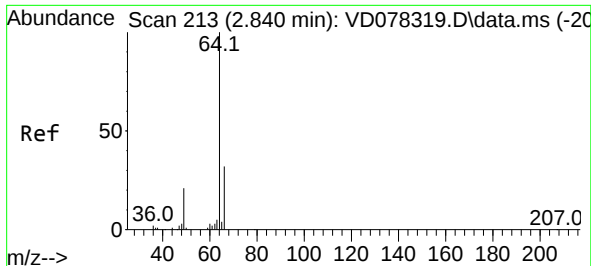
Tgt Ion: 62 Resp: 7319
 Ion Ratio Lower Upper
 62 100
 64 41.0 21.7 40.3#



#6
 Bromomethane
 Concen: 0.610 ug/L
 RT: 2.693 min Scan# 188
 Delta R.T. 0.000 min
 Lab File: VD078323.D
 Acq: 02 Feb 2024 13:48

Tgt Ion: 94 Resp: 2045
 Ion Ratio Lower Upper
 94 100
 96 116.2 64.8 120.4

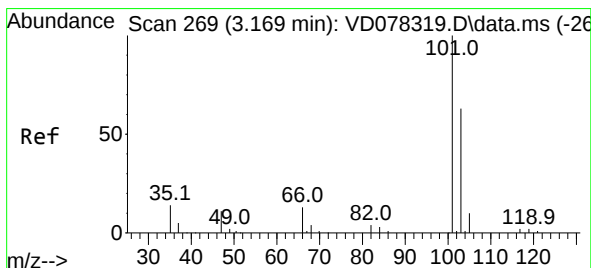
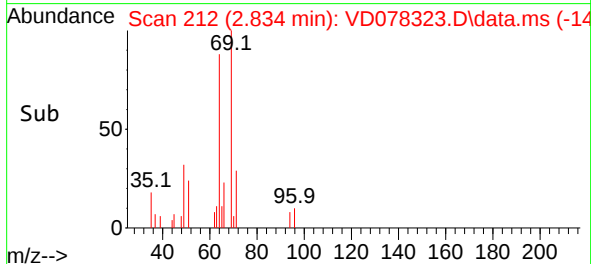
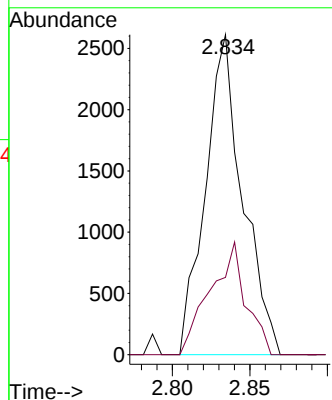
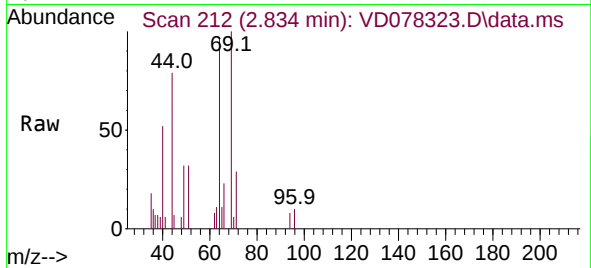




#8
Chloroethane
Concen: 0.929 ug/L
RT: 2.834 min Scan# 213
Delta R.T. -0.006 min
Lab File: VD078323.D
Acq: 02 Feb 2024 13:48

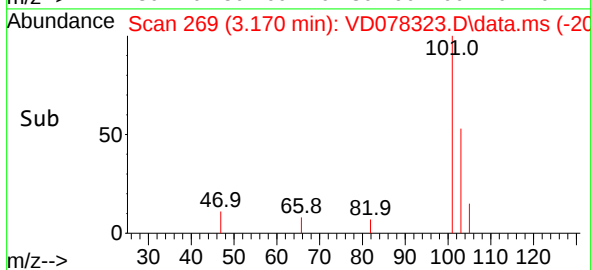
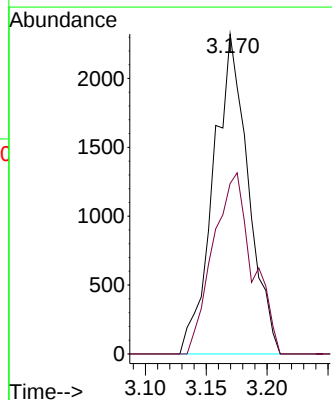
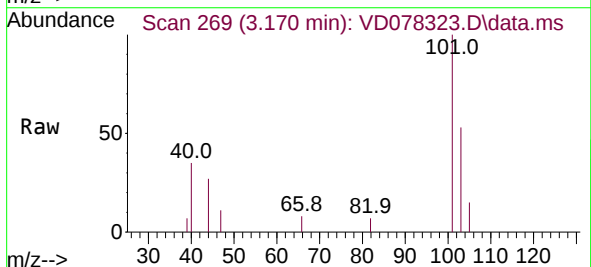
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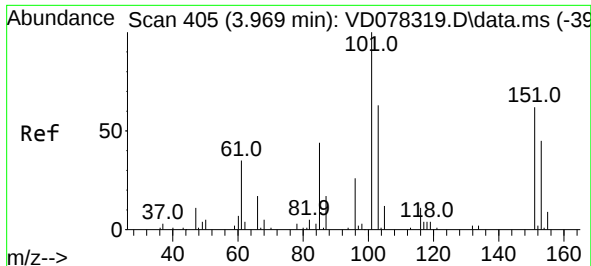
Tgt Ion: 64 Resp: 4371
Ion Ratio Lower Upper
64 100
66 24.2 22.8 42.4



#9
Trichlorofluoromethane
Concen: 0.880 ug/L
RT: 3.170 min Scan# 269
Delta R.T. 0.000 min
Lab File: VD078323.D
Acq: 02 Feb 2024 13:48

Tgt Ion:101 Resp: 4623
Ion Ratio Lower Upper
101 100
103 54.2 51.1 76.7

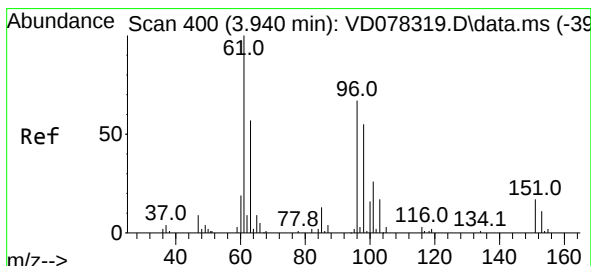
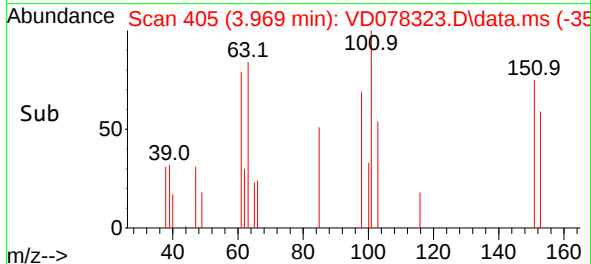
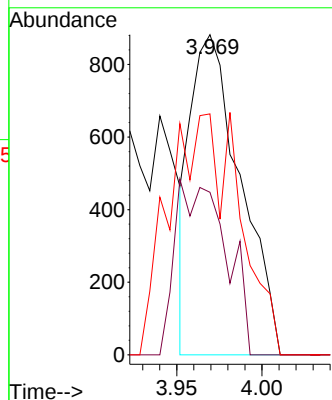
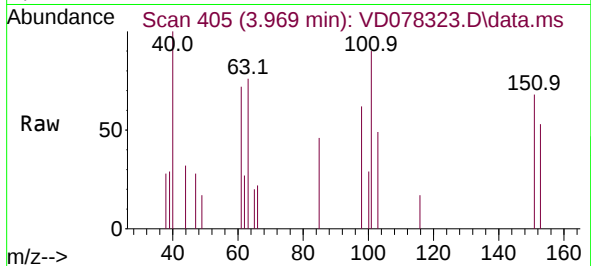




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.548 ug/L
RT: 3.969 min Scan# 405
Delta R.T. 0.000 min
Lab File: VD078323.D
Acq: 02 Feb 2024 13:48

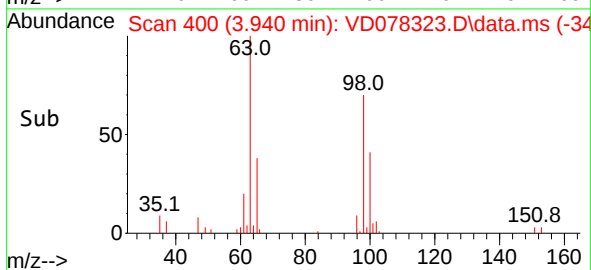
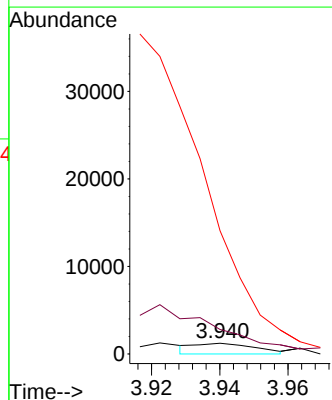
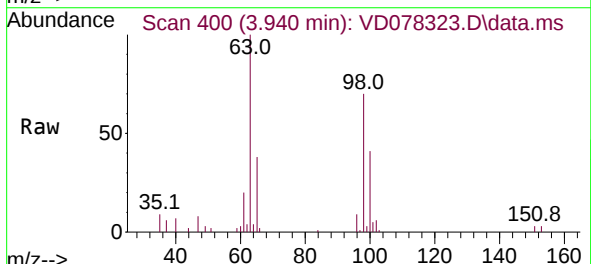
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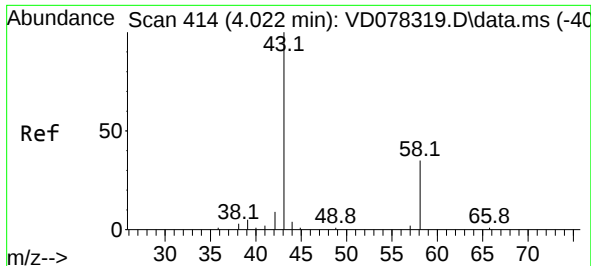
Tgt Ion:101 Resp: 1793
Ion Ratio Lower Upper
101 100
85 17.8 34.6 51.8#
151 15.4 54.6 81.8#



#12
1,1-Dichloroethene
Concen: 0.490 ug/L
RT: 3.940 min Scan# 400
Delta R.T. 0.000 min
Lab File: VD078323.D
Acq: 02 Feb 2024 13:48

Tgt Ion: 96 Resp: 1482
Ion Ratio Lower Upper
96 100
61 227.1 108.8 202.2#
63 1146.3 65.2 121.0#





#13

Acetone

Concen: 1.442 ug/L

RT: 4.034 min Scan# 416

Delta R.T. 0.012 min

Lab File: VD078323.D

Acq: 02 Feb 2024 13:48

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MSVOA_D

ClientSampleId :

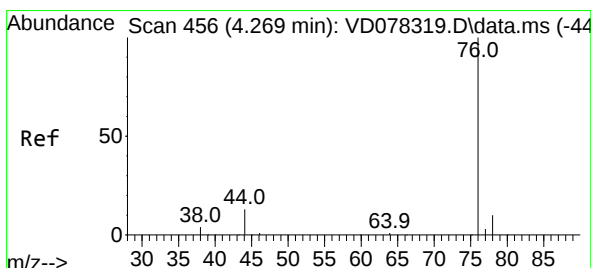
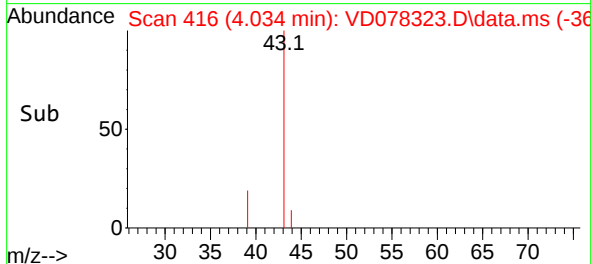
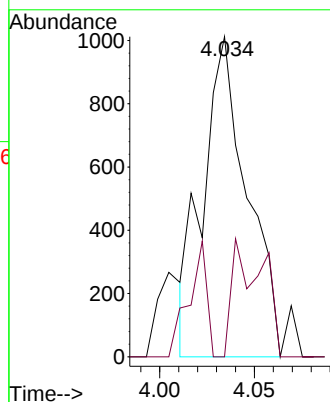
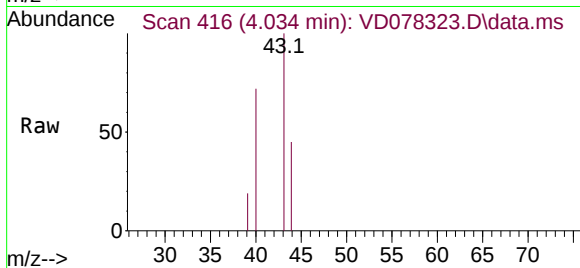
MDL-SOIL-QT4-2023-08

Tgt Ion: 43 Resp: 1649

Ion Ratio Lower Upper

43 100

58 12.6 0.0 67.2



#14

Carbon disulfide

Concen: 0.813 ug/L

RT: 4.275 min Scan# 457

Delta R.T. 0.006 min

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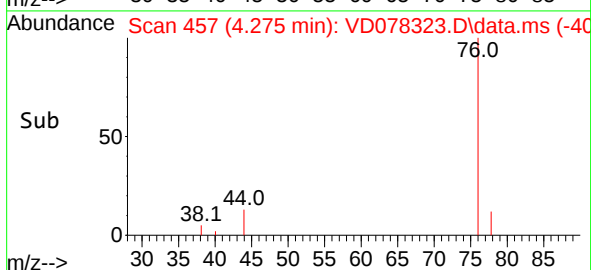
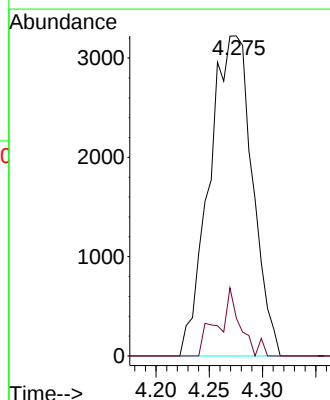
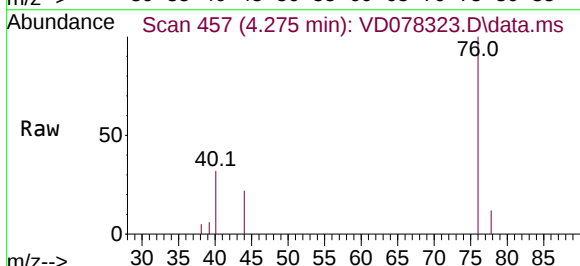
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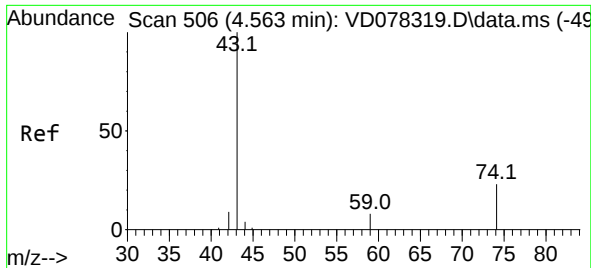
Tgt Ion: 76 Resp: 9066

Ion Ratio Lower Upper

76 100

78 11.8 7.8 11.8#

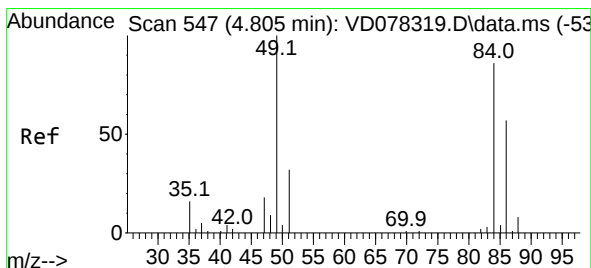
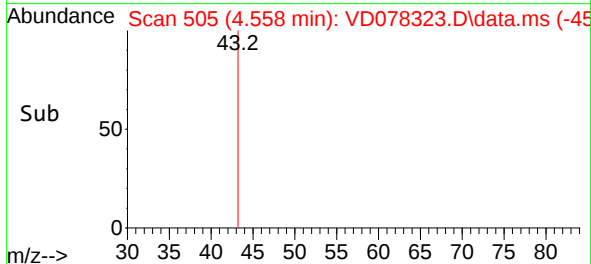
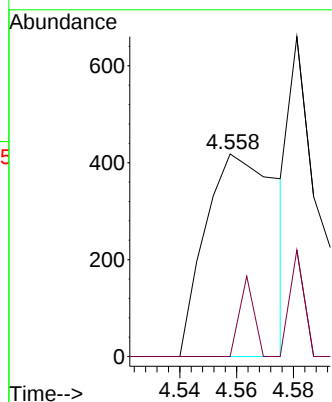
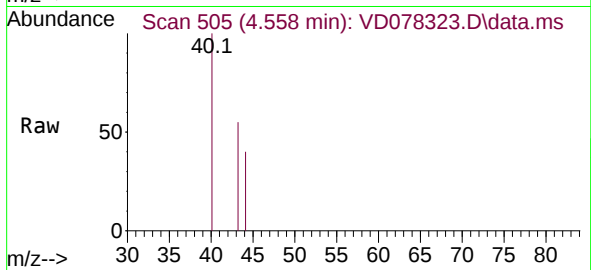




#15
Methyl Acetate
Concen: 0.428 ug/L
RT: 4.558 min Scan# 506
Delta R.T. -0.006 min
Lab File: VD078323.D
Acq: 02 Feb 2024 13:48

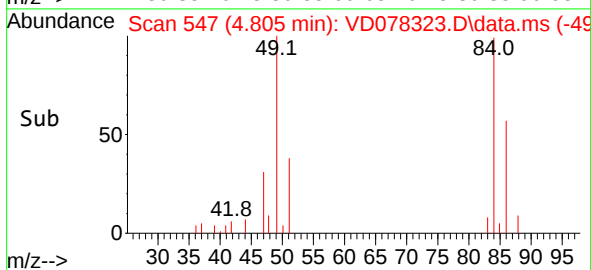
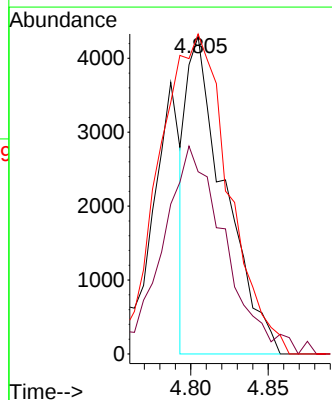
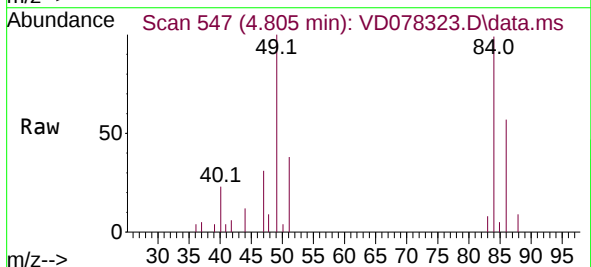
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08

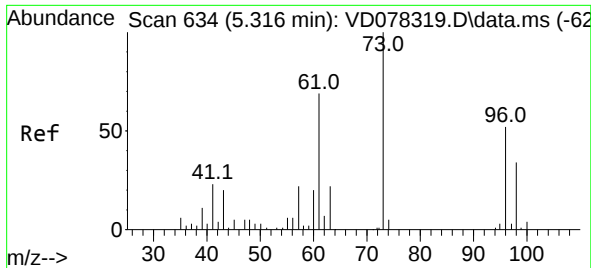
Tgt Ion: 43 Resp: 734
Ion Ratio Lower Upper
43 100
74 0.0 12.7 19.1#



#16
Methylene chloride
Concen: 1.797 ug/L
RT: 4.805 min Scan# 547
Delta R.T. 0.000 min
Lab File: VD078323.D
Acq: 02 Feb 2024 13:48

Tgt Ion: 84 Resp: 7349
Ion Ratio Lower Upper
84 100
86 57.4 45.4 84.2
49 100.8 77.3 143.7

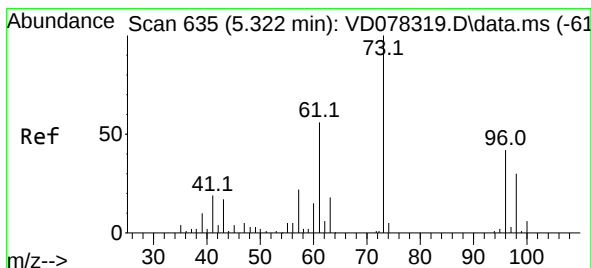
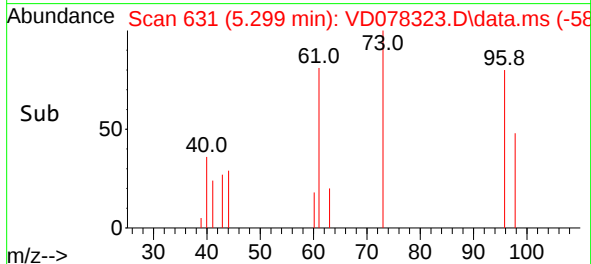
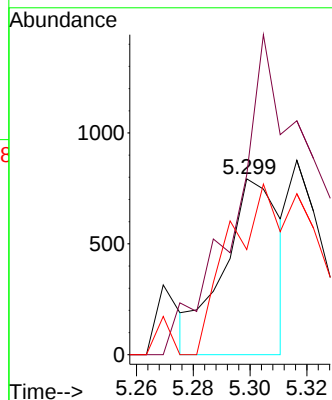
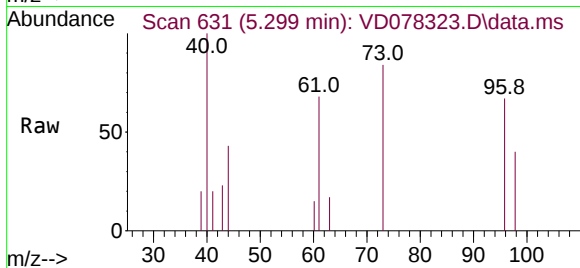




#17
trans-1,2-Dichloroethene
Concen: 0.325 ug/L
RT: 5.299 min Scan# 61
Delta R.T. -0.017 min
Lab File: VD078323.D
Acq: 02 Feb 2024 13:48

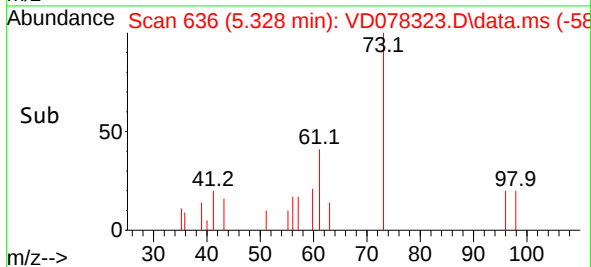
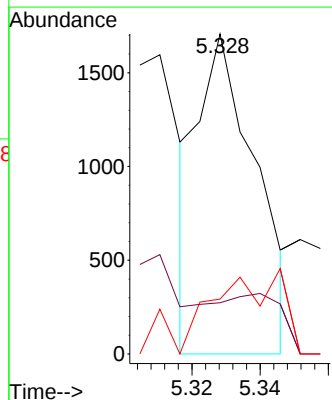
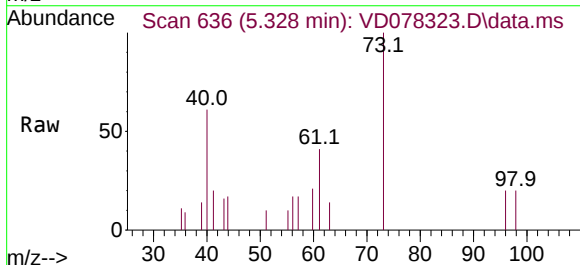
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08

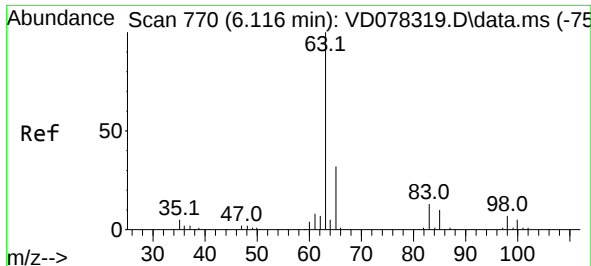
Tgt Ion: 96 Resp: 1085
Ion Ratio Lower Upper
96 100
61 102.3 82.7 153.7
98 59.8 40.7 75.7



#18
Methyl tert-butyl Ether
Concen: 0.258 ug/L
RT: 5.328 min Scan# 636
Delta R.T. 0.006 min
Lab File: VD078323.D
Acq: 02 Feb 2024 13:48

Tgt Ion: 73 Resp: 2004
Ion Ratio Lower Upper
73 100
43 0.0 13.3 19.9#
57 21.8 17.2 25.8

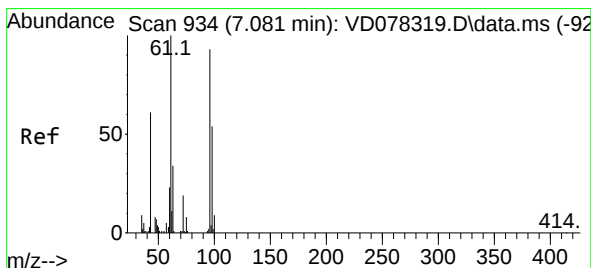
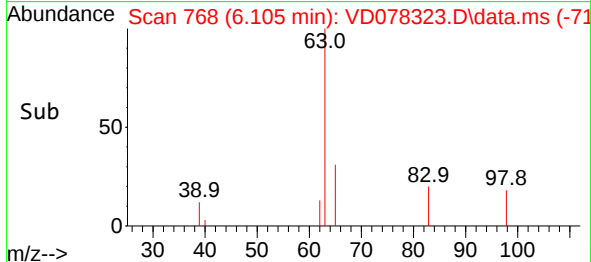
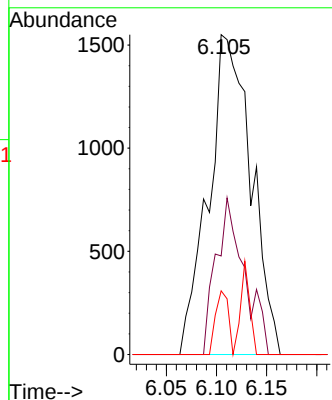
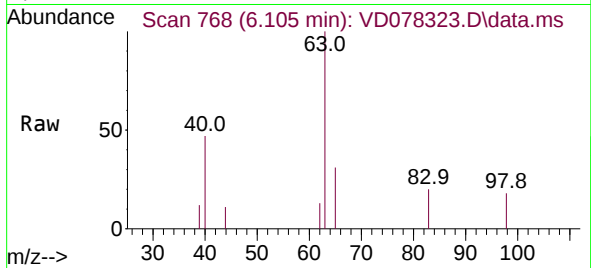




#19
1,1-Dichloroethane
Concen: 0.784 ug/L
RT: 6.105 min Scan# 770
Delta R.T. -0.012 min
Lab File: VD078323.D
Acq: 02 Feb 2024 13:48

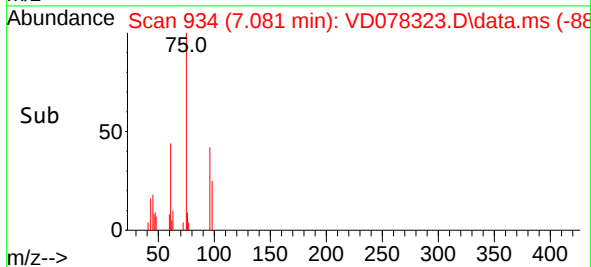
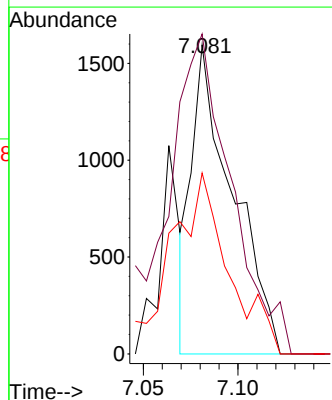
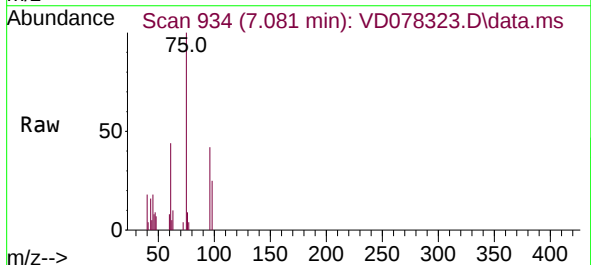
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08

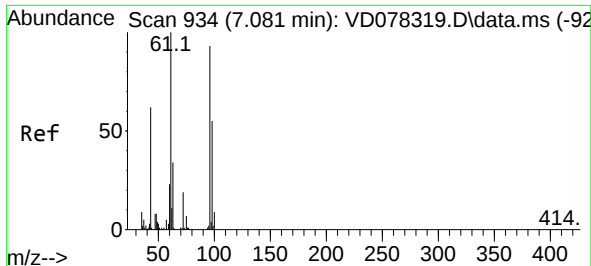
Tgt Ion: 63 Resp: 4576
Ion Ratio Lower Upper
63 100
65 30.8 21.8 40.4
83 19.9 10.1 18.9#



#20
cis-1,2-Dichloroethene
Concen: 0.654 ug/L
RT: 7.081 min Scan# 934
Delta R.T. 0.000 min
Lab File: VD078323.D
Acq: 02 Feb 2024 13:48

Tgt Ion: 96 Resp: 2392
Ion Ratio Lower Upper
96 100
61 103.5 75.6 140.4
98 58.5 43.1 80.1

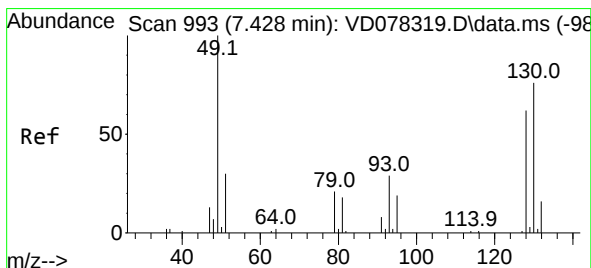
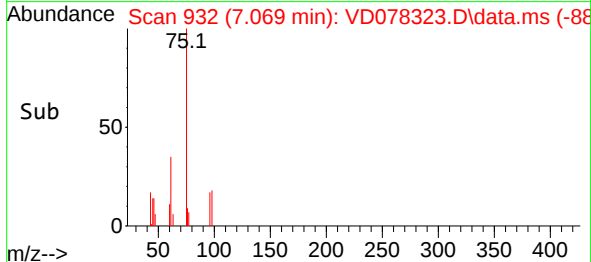
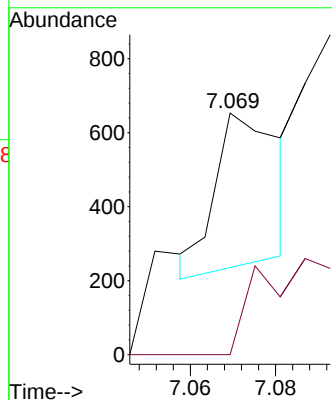
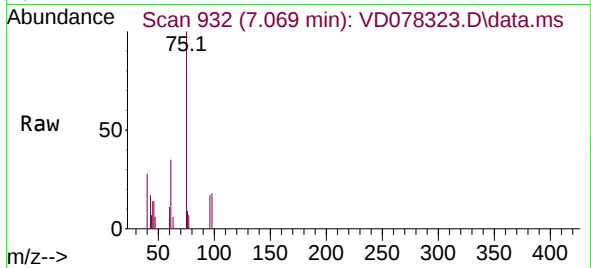




#22
2-Butanone
Concen: 0.311 ug/L
RT: 7.069 min Scan# 91
Delta R.T. -0.012 min
Lab File: VD078323.D
Acq: 02 Feb 2024 13:48

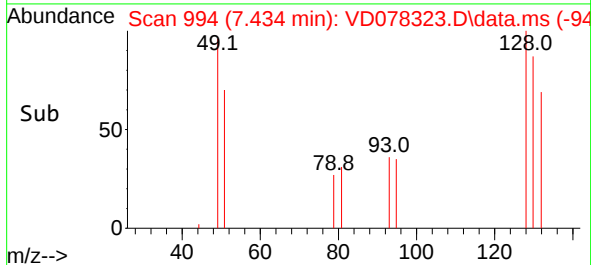
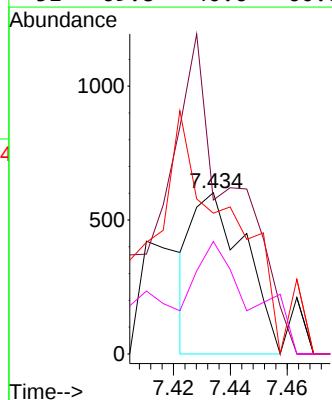
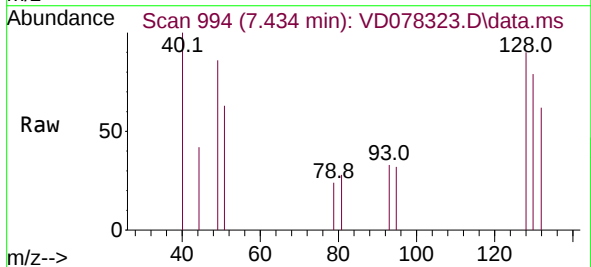
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08

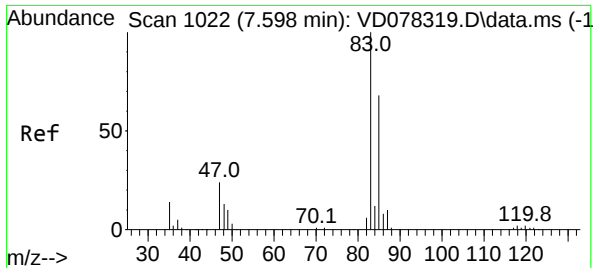
Tgt Ion: 43 Resp: 430
Ion Ratio Lower Upper
43 100
72 32.6 15.4 46.2



#23
Bromochloromethane
Concen: 0.479 ug/L
RT: 7.434 min Scan# 994
Delta R.T. 0.006 min
Lab File: VD078323.D
Acq: 02 Feb 2024 13:48

Tgt Ion: 128 Resp: 773
Ion Ratio Lower Upper
128 100
49 95.5 102.7 190.7#
130 87.4 82.6 153.4
51 69.8 40.6 60.8#

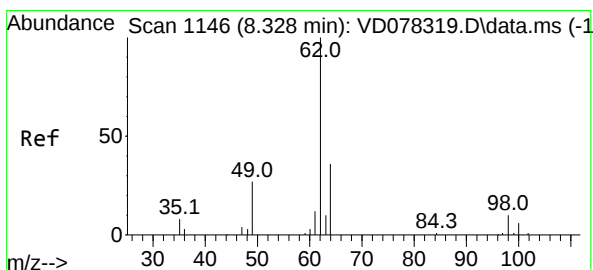
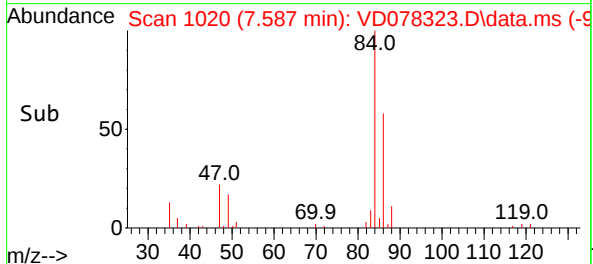
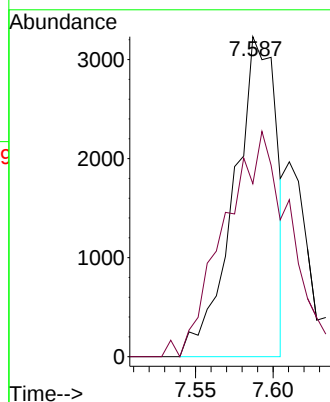
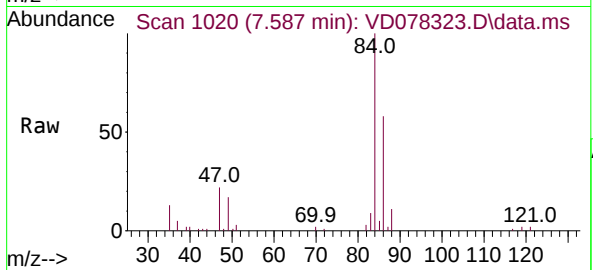




#25
Chloroform
Concen: 0.974 ug/L
RT: 7.587 min Scan# 1020
Delta R.T. -0.012 min
Lab File: VD078323.D
Acq: 02 Feb 2024 13:48

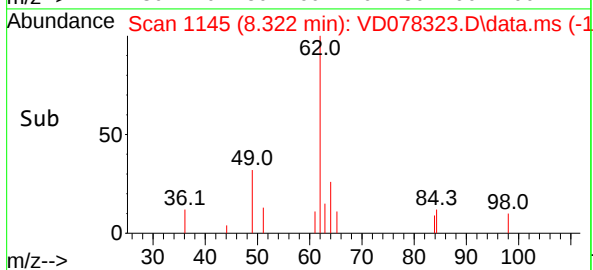
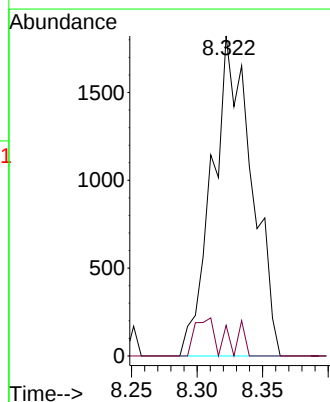
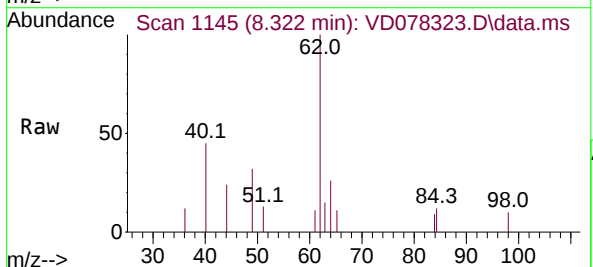
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08

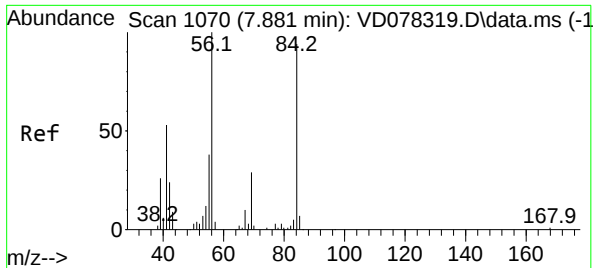
Tgt Ion: 83 Resp: 6201
Ion Ratio Lower Upper
83 100
85 54.1 44.9 83.3



#27
1,2-Dichloroethane
Concen: 0.934 ug/L
RT: 8.322 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VD078323.D
Acq: 02 Feb 2024 13:48

Tgt Ion: 62 Resp: 3820
Ion Ratio Lower Upper
62 100
98 9.5 9.5 14.3





#29

Cyclohexane

Concen: 0.709 ug/L

RT: 7.887 min Scan# 1070

Delta R.T. 0.006 min

Lab File: VD078323.D

Acq: 02 Feb 2024 13:48

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2023-08

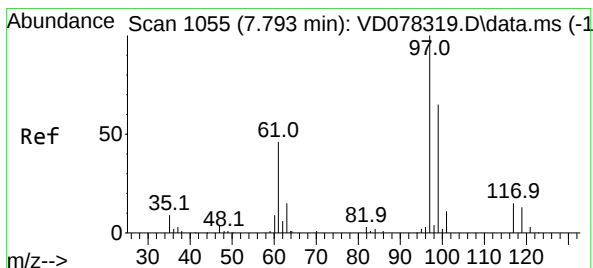
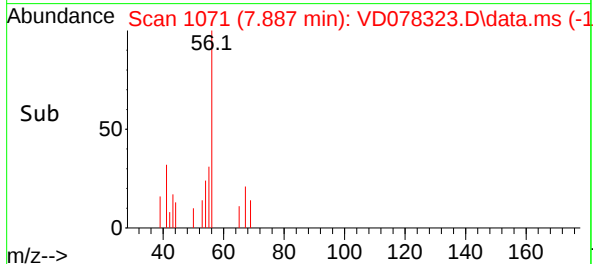
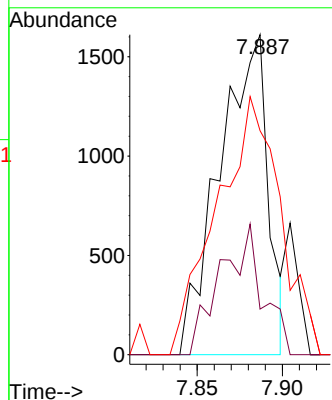
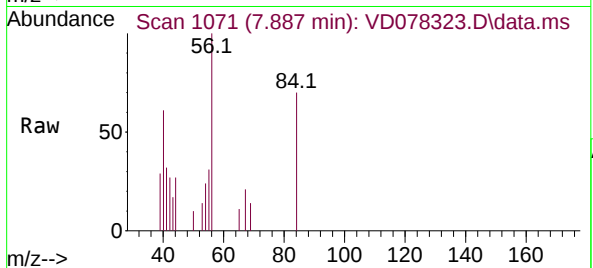
Tgt Ion: 56 Resp: 3204

Ion Ratio Lower Upper

56 100

69 5.4 23.3 34.9#

84 0.0 74.7 112.1#



#30

1,1,1-Trichloroethane

Concen: 0.489 ug/L

RT: 7.793 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VD078323.D

Acq: 02 Feb 2024 13:48

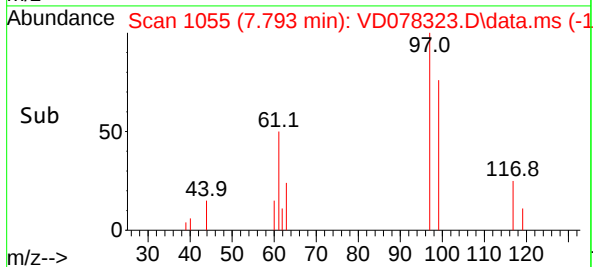
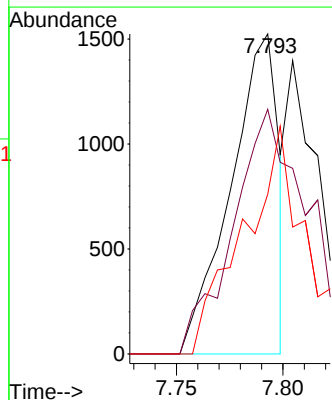
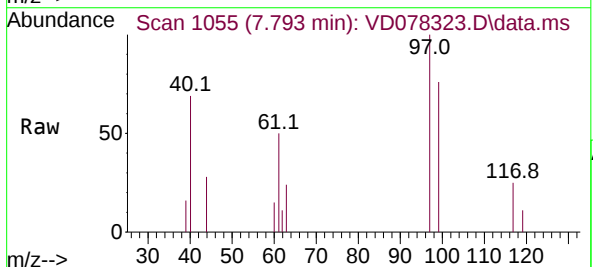
Tgt Ion: 97 Resp: 2393

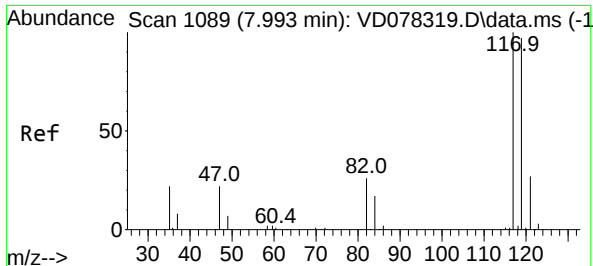
Ion Ratio Lower Upper

97 100

99 102.8 50.7 76.1#

61 90.3 34.4 51.6#

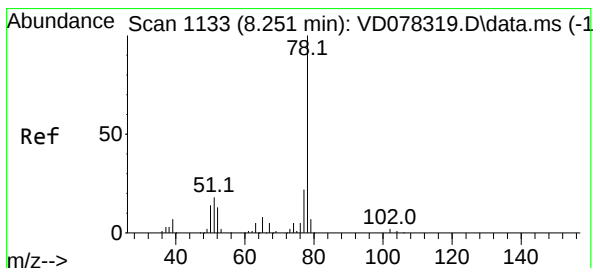
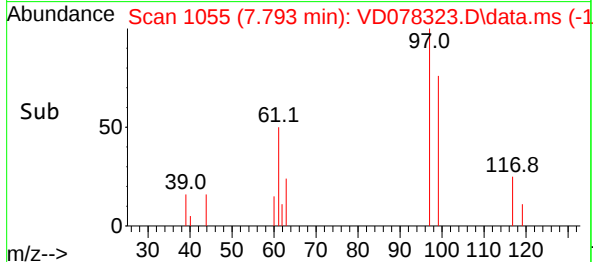
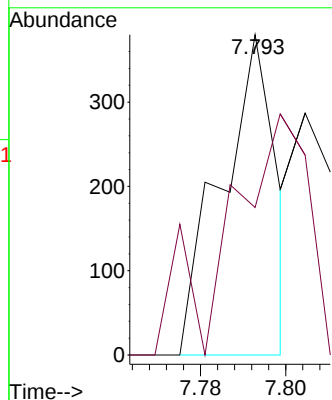
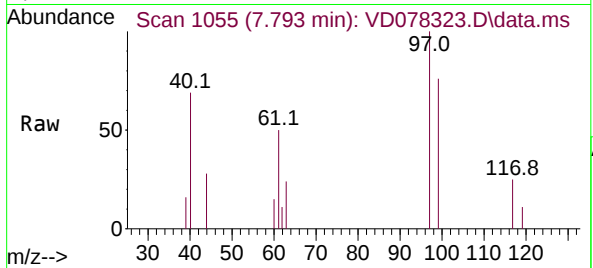




#31
Carbon tetrachloride
Concen: 0.080 ug/L
RT: 7.793 min Scan# 1124
Delta R.T. -0.200 min
Lab File: VD078323.D
Acq: 02 Feb 2024 13:48

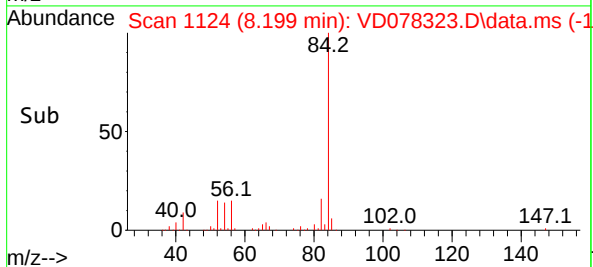
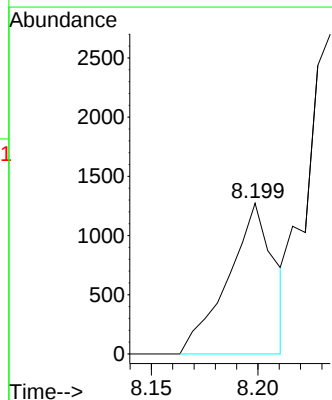
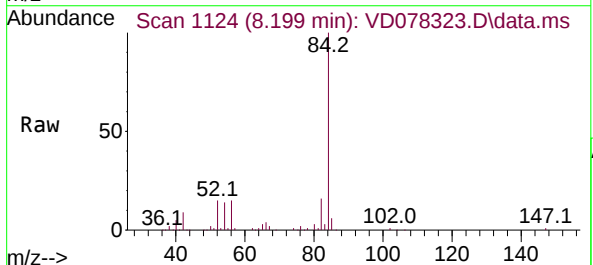
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08

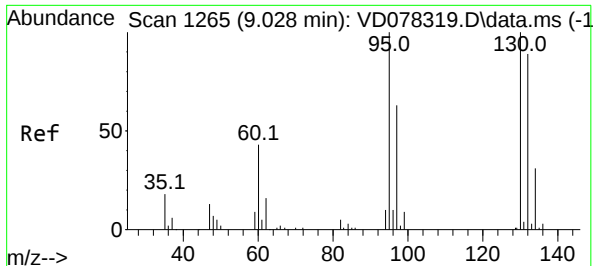
Tgt Ion:117 Resp: 344
Ion Ratio Lower Upper
117 100
119 92.4 77.0 115.4



#33
Benzene
Concen: 0.142 ug/L
RT: 8.199 min Scan# 1124
Delta R.T. -0.053 min
Lab File: VD078323.D
Acq: 02 Feb 2024 13:48

Tgt Ion: 78 Resp: 1912



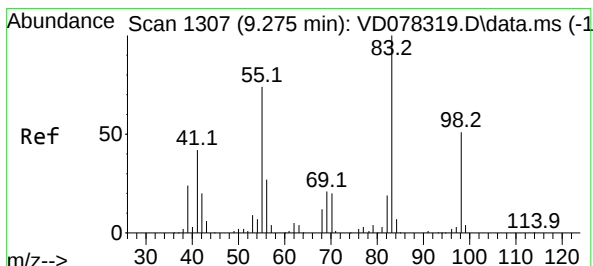
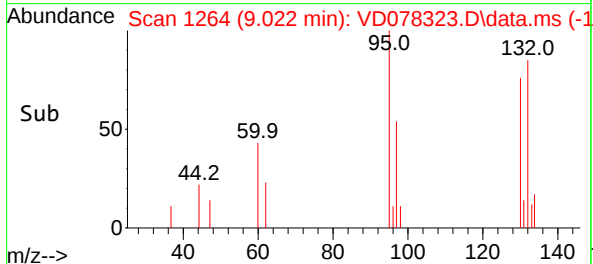
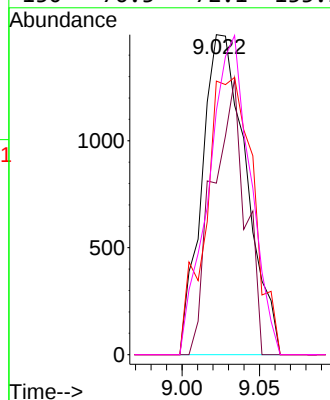
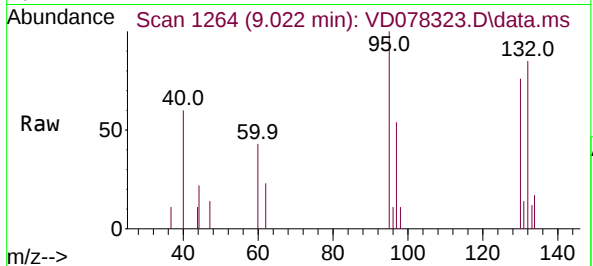


#34
Trichloroethene
Concen: 0.876 ug/L
RT: 9.022 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD078323.D
Acq: 02 Feb 2024 13:48

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08

Tgt Ion: 95 Resp: 2980

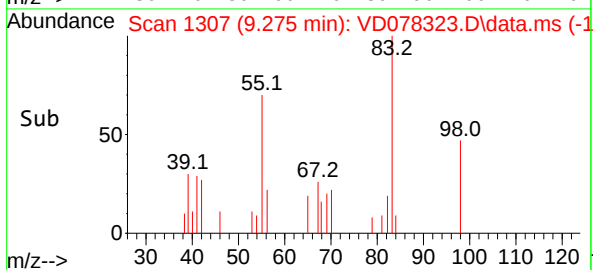
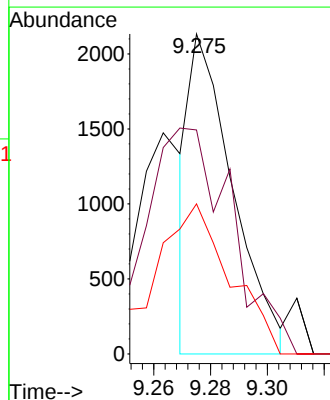
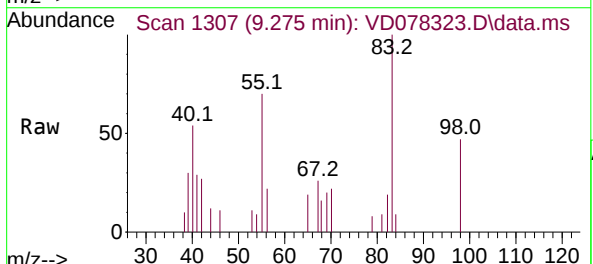
Ion	Ratio	Lower	Upper
95	100		
97	53.6	46.9	87.1
132	85.5	73.7	136.9
130	76.3	72.1	133.9

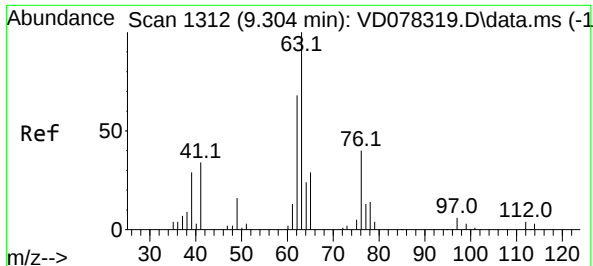


#35
Methylcyclohexane
Concen: 0.423 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VD078323.D
Acq: 02 Feb 2024 13:48

Tgt Ion: 83 Resp: 2251

Ion	Ratio	Lower	Upper
83	100		
55	130.9	56.2	84.4#
98	79.6	41.2	61.8#

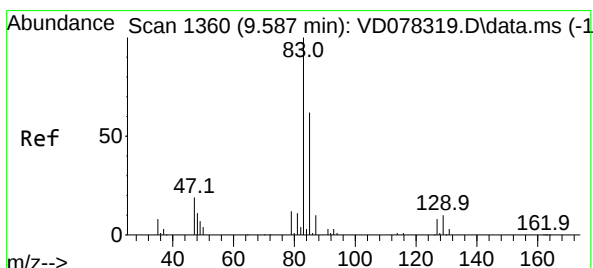
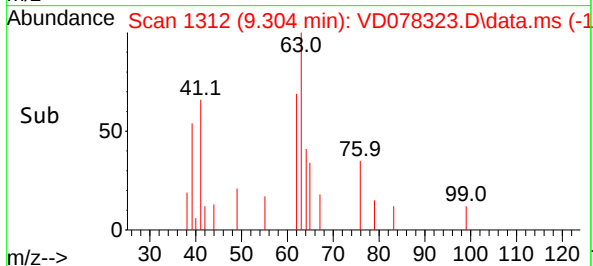
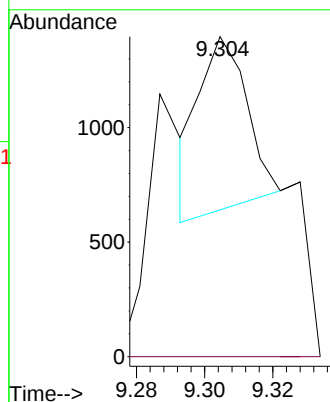
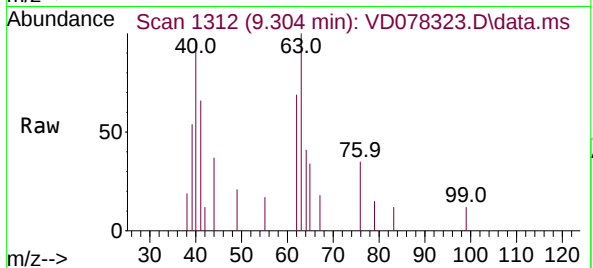




#37
1,2-Dichloropropane
Concen: 0.211 ug/L
RT: 9.304 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VD078323.D
Acq: 02 Feb 2024 13:48

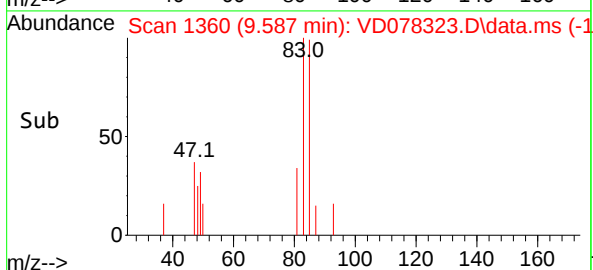
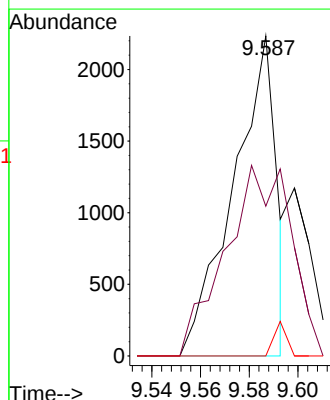
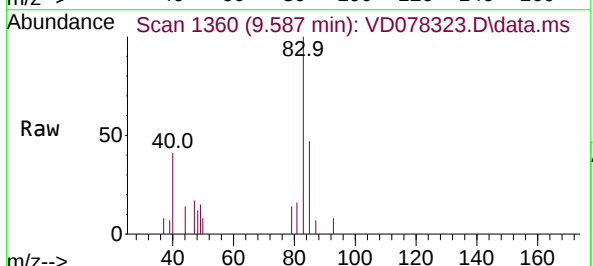
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08

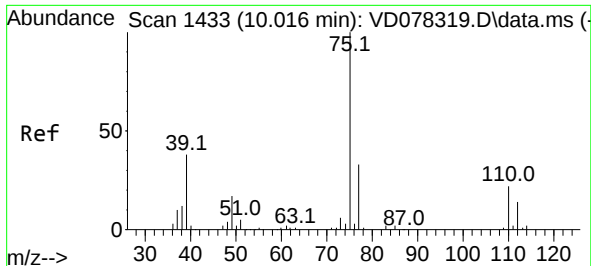
Tgt Ion: 63 Resp: 747
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2#



#38
Bromodichloromethane
Concen: 0.596 ug/L
RT: 9.587 min Scan# 1360
Delta R.T. 0.000 min
Lab File: VD078323.D
Acq: 02 Feb 2024 13:48

Tgt Ion: 83 Resp: 2759
Ion Ratio Lower Upper
83 100
85 46.8 46.6 86.6
127 0.0 8.1 12.1#





#39

cis-1,3-Dichloropropene

Concen: 0.827 ug/L

RT: 10.016 min Scan# 1433

Delta R.T. 0.000 min

Lab File: VD078323.D

Acq: 02 Feb 2024 13:48

Instrument :

MSVOA_D

ClientSampleId :

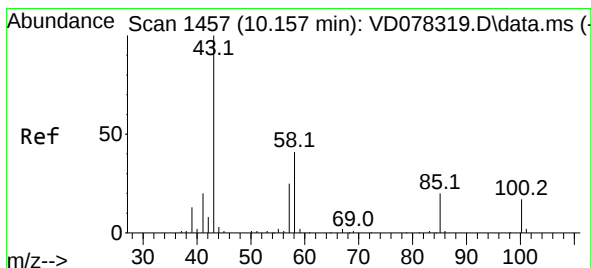
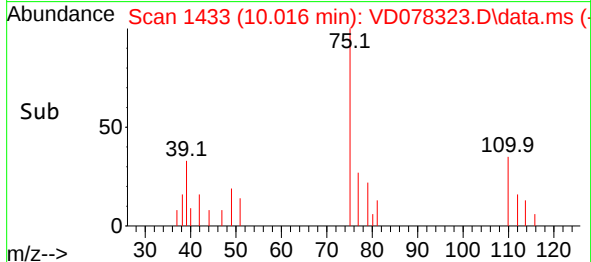
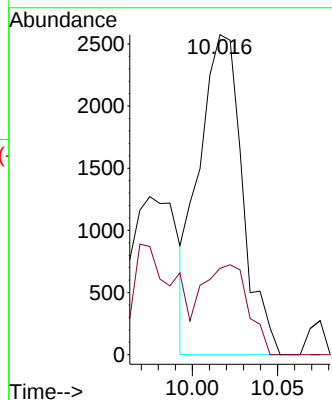
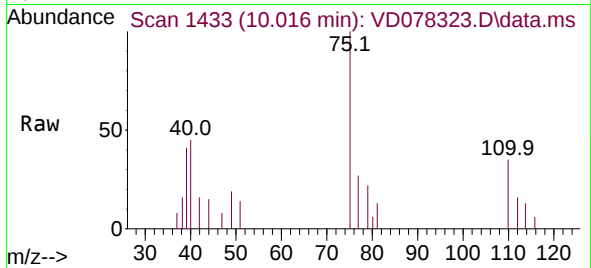
MDL-SOIL-QT4-2023-08

Tgt Ion: 75 Resp: 4569

Ion Ratio Lower Upper

75 100

77 27.0 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 1.654 ug/L

RT: 10.163 min Scan# 1458

Delta R.T. 0.006 min

Lab File: VD078323.D

Acq: 02 Feb 2024 13:48

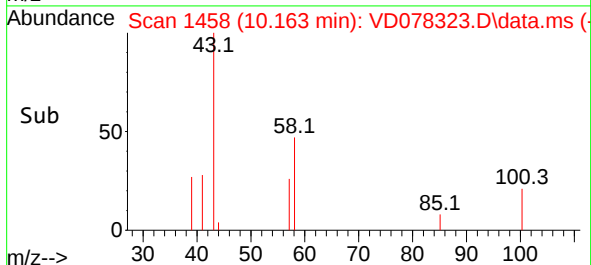
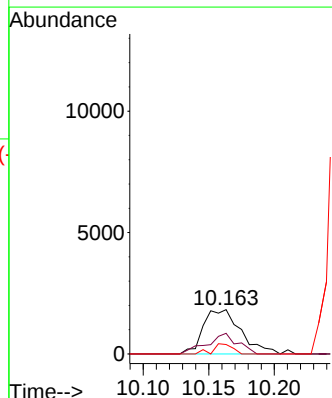
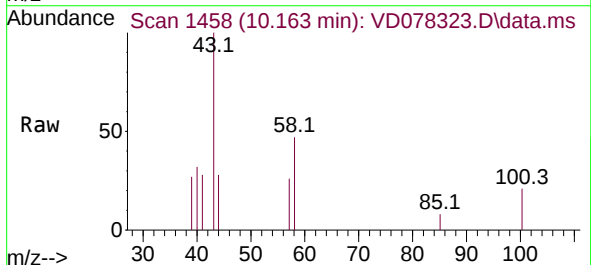
Tgt Ion: 43 Resp: 3643

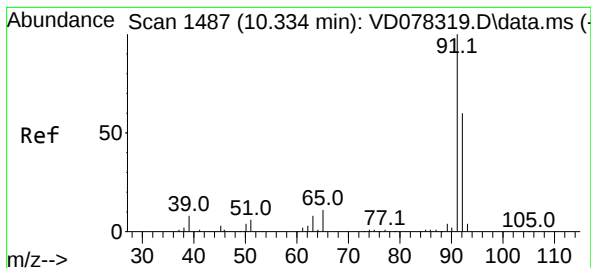
Ion Ratio Lower Upper

43 100

58 29.5 34.0 51.0#

100 10.0 13.2 19.8#





#42

Toluene

Concen: 0.808 ug/L

RT: 10.340 min Scan# 1487

Delta R.T. 0.006 min

Lab File: VD078323.D

Acq: 02 Feb 2024 13:48

Instrument :

MSVOA_D

ClientSampleId :

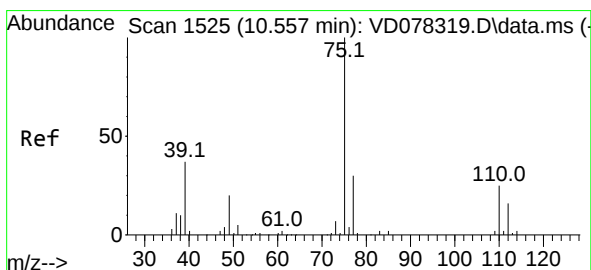
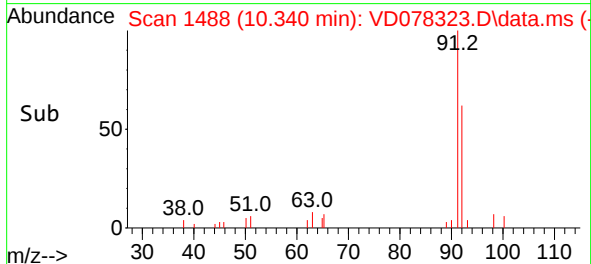
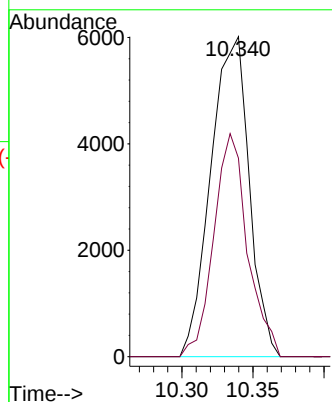
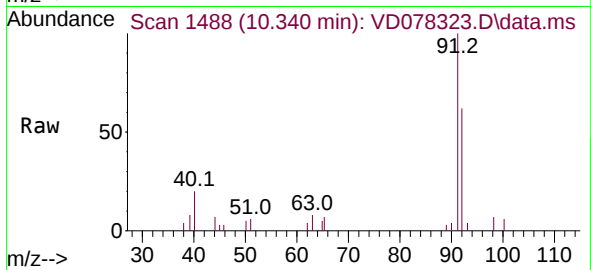
MDL-SOIL-QT4-2023-08

Tgt Ion: 91 Resp: 11320

Ion Ratio Lower Upper

91 100

92 62.1 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 1.211 ug/L

RT: 10.546 min Scan# 1523

Delta R.T. -0.012 min

Lab File: VD078323.D

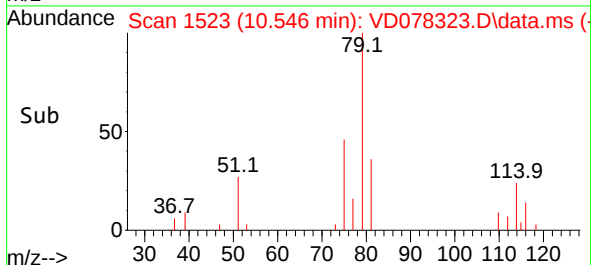
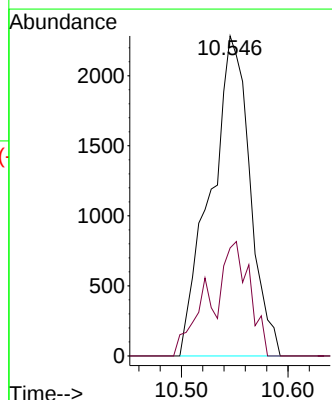
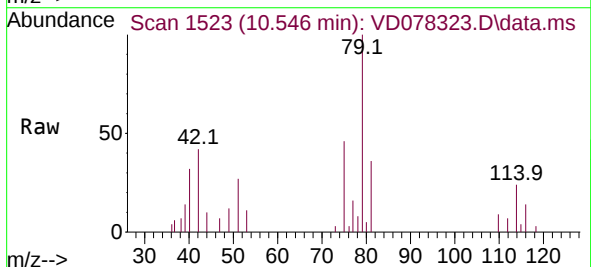
Acq: 02 Feb 2024 13:48

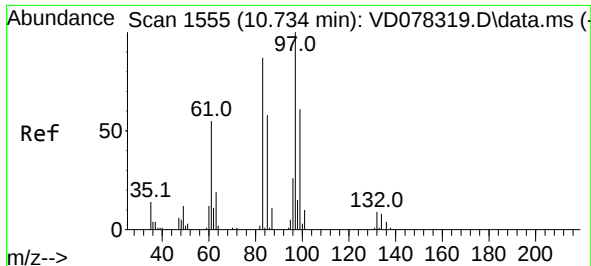
Tgt Ion: 75 Resp: 5850

Ion Ratio Lower Upper

75 100

77 33.8 20.7 38.5

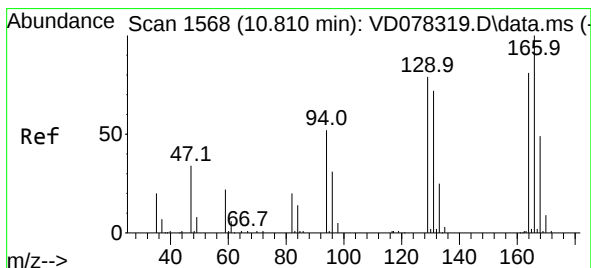
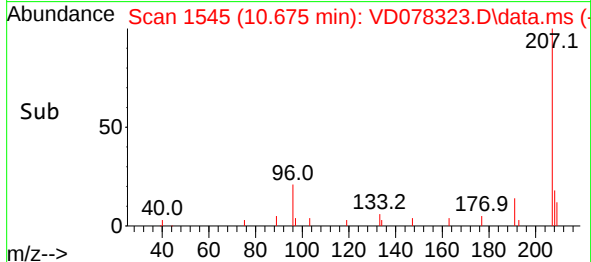
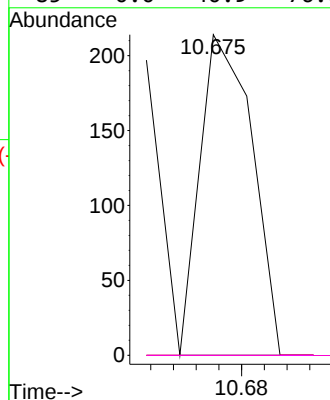
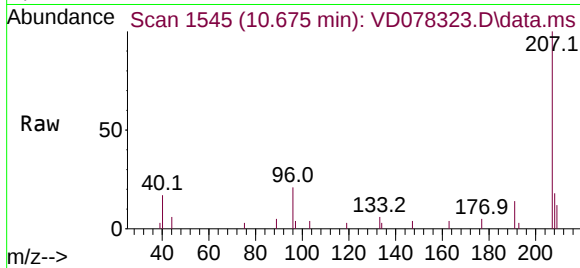




#45
1,1,2-Trichloroethane
Concen: 0.048 ug/L
RT: 10.675 min Scan# 1555
Delta R.T. -0.059 min
Lab File: VD078323.D
Acq: 02 Feb 2024 13:48

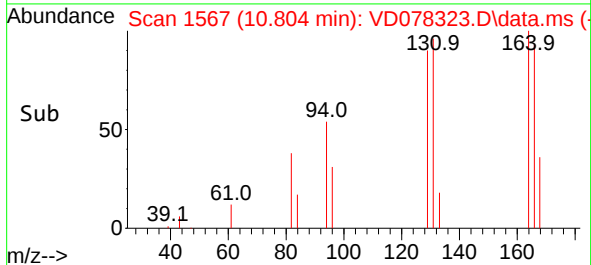
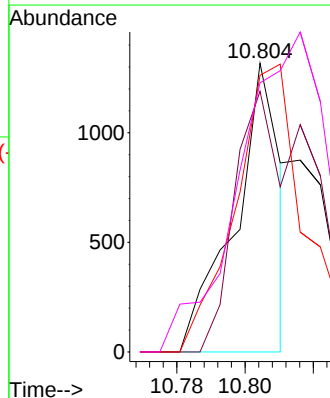
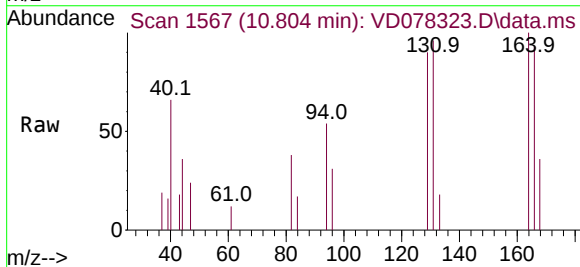
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT4-2023-08

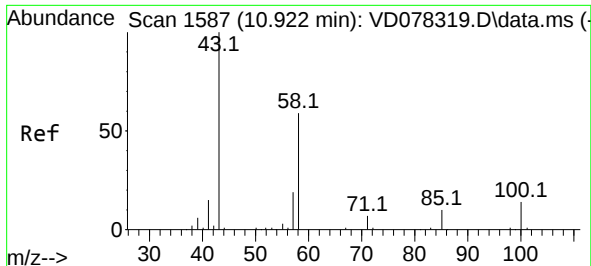
Tgt Ion:	97	Resp:	137
Ion	Ratio	Lower	Upper
97	100		
99	0.0	45.4	84.4#
83	0.0	59.5	110.5#
85	0.0	40.9	76.0#



#46
Tetrachloroethene
Concen: 0.527 ug/L
RT: 10.804 min Scan# 1567
Delta R.T. -0.006 min
Lab File: VD078323.D
Acq: 02 Feb 2024 13:48

Tgt Ion:	164	Resp:	1231
Ion	Ratio	Lower	Upper
164	100		
129	90.3	66.7	123.9
131	95.8	65.2	121.0
166	93.2	88.5	164.3

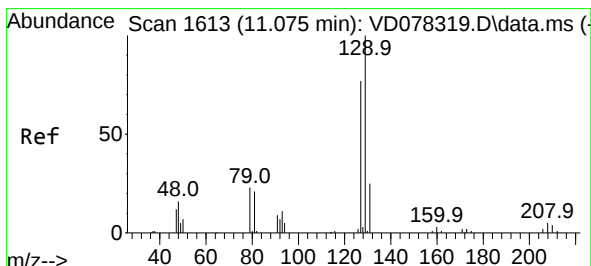
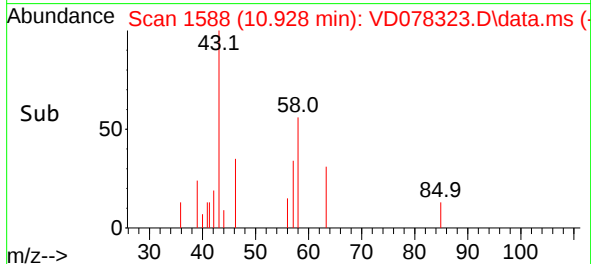
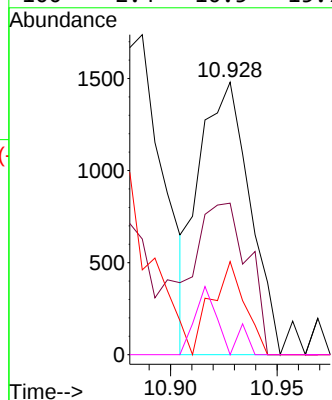
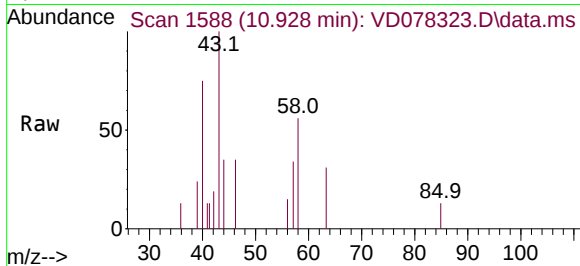




#48
2-Hexanone
Concen: 1.366 ug/L
RT: 10.928 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VD078323.D
Acq: 02 Feb 2024 13:48

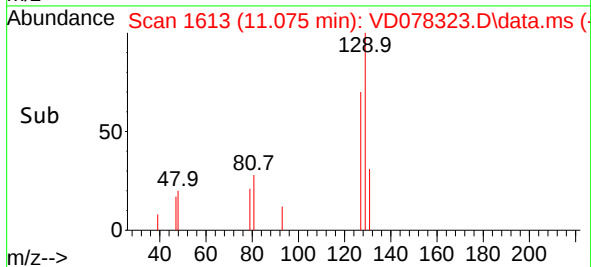
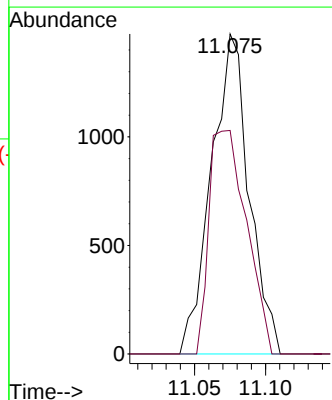
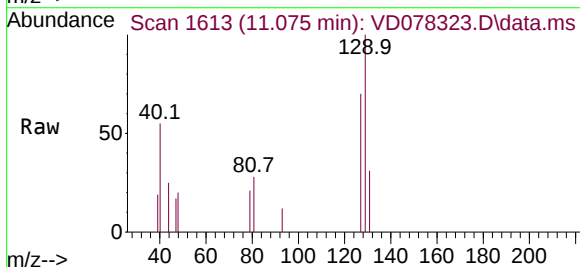
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08

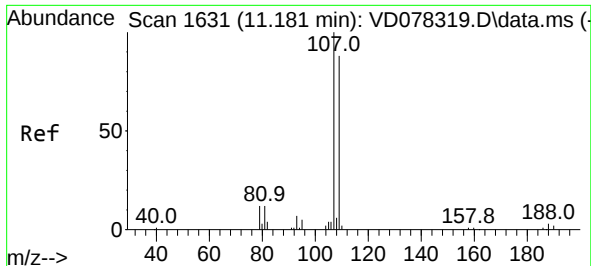
Tgt Ion: 43	Resp: 2455
Ion Ratio	Lower Upper
43 100	
58 55.7	48.5 72.7
57 22.4	15.6 23.4
100 2.4	10.5 15.7#



#49
Dibromochloromethane
Concen: 0.857 ug/L
RT: 11.075 min Scan# 1613
Delta R.T. 0.000 min
Lab File: VD078323.D
Acq: 02 Feb 2024 13:48

Tgt Ion:129	Resp:	2722	
Ion	Ratio	Lower	Upper
129	100		
127	69.9	52.7	97.9

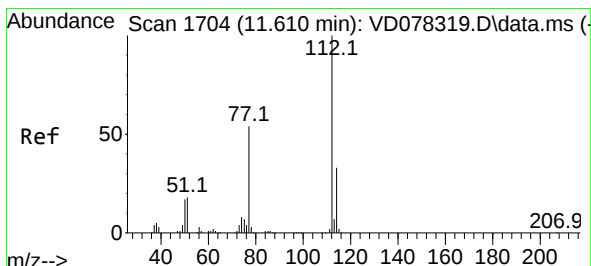
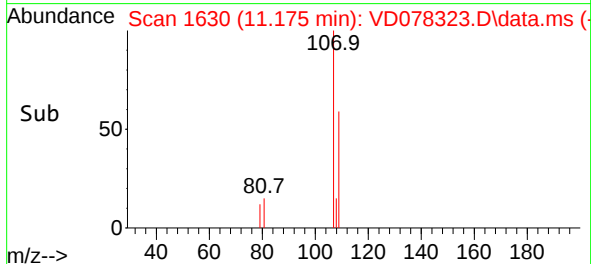
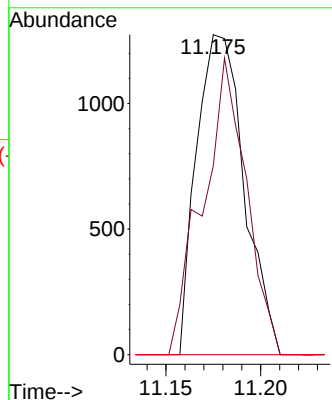
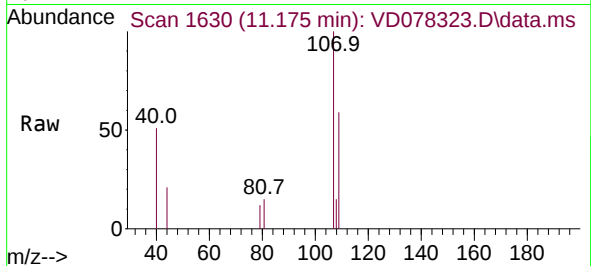




#50
1,2-Dibromoethane
Concen: 0.810 ug/L
RT: 11.175 min Scan# 1630
Delta R.T. -0.006 min
Lab File: VD078323.D
Acq: 02 Feb 2024 13:48

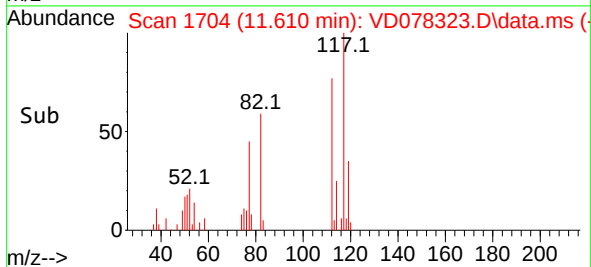
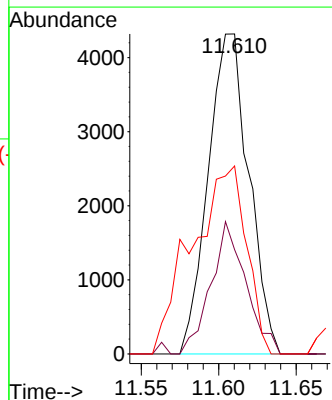
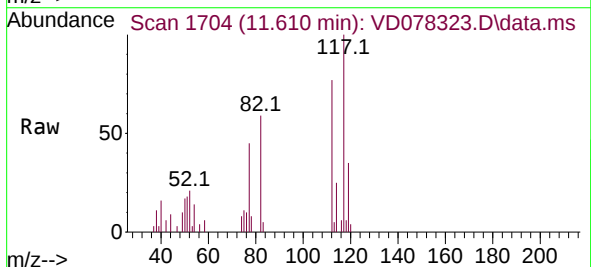
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08

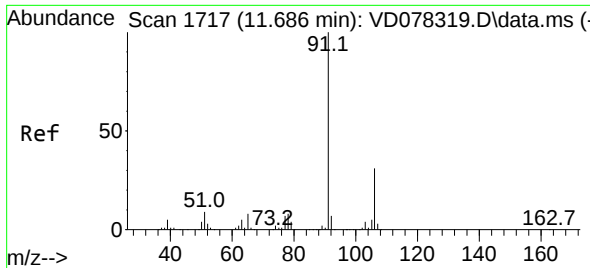
Tgt Ion:107 Resp: 2233
Ion Ratio Lower Upper
107 100
109 59.1 64.0 118.8#
188 0.0 3.1 4.7#



#51
Chlorobenzene
Concen: 0.870 ug/L
RT: 11.610 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VD078323.D
Acq: 02 Feb 2024 13:48

Tgt Ion:112 Resp: 7888
Ion Ratio Lower Upper
112 100
114 32.6 22.3 41.3
77 58.7 42.3 63.5

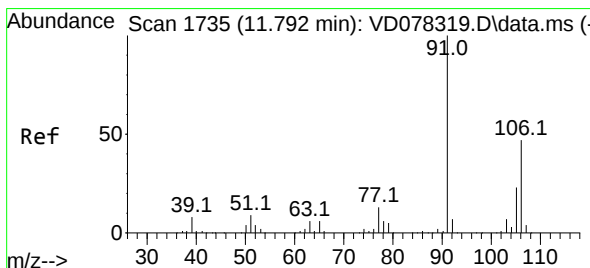
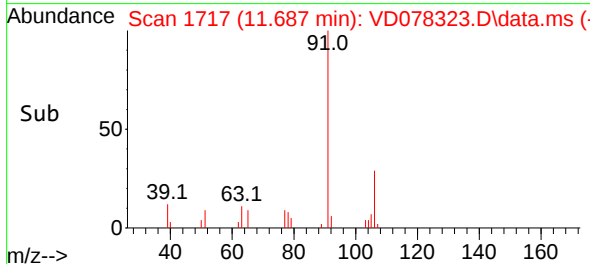
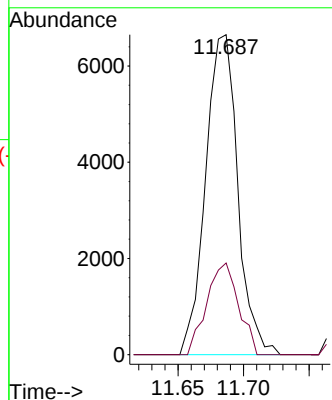
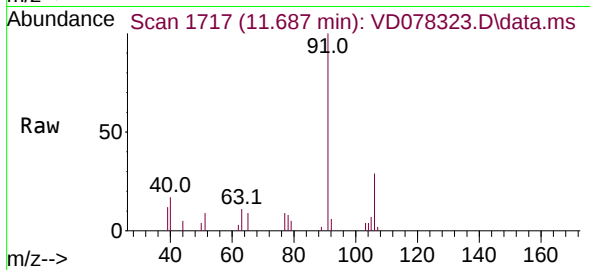




#52
Ethylbenzene
Concen: 0.754 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VD078323.D
Acq: 02 Feb 2024 13:48

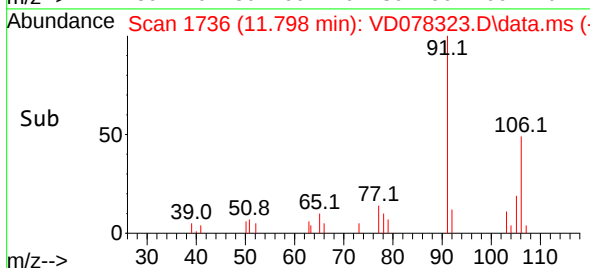
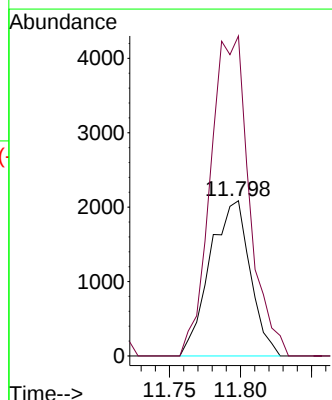
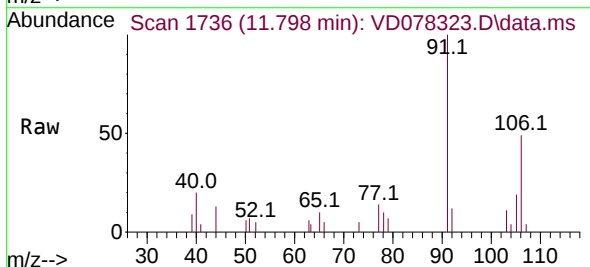
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08

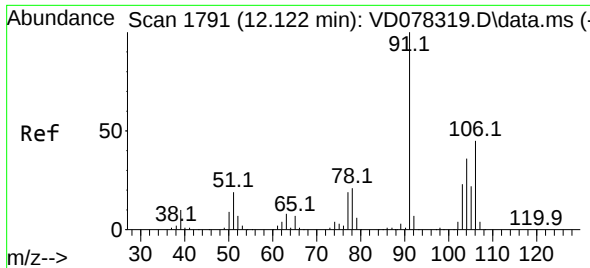
Tgt Ion: 91 Resp: 11347
Ion Ratio Lower Upper
91 100
106 28.6 22.5 41.7



#53
m,p-Xylene
Concen: 0.711 ug/L
RT: 11.798 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VD078323.D
Acq: 02 Feb 2024 13:48

Tgt Ion: 106 Resp: 4110
Ion Ratio Lower Upper
106 100
91 206.2 138.3 256.8

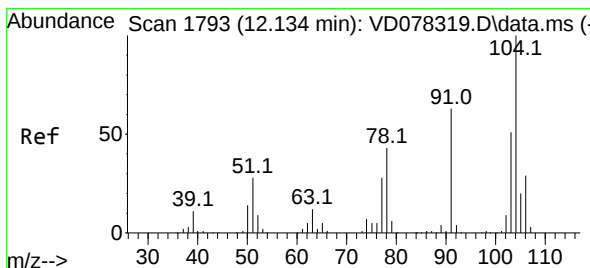
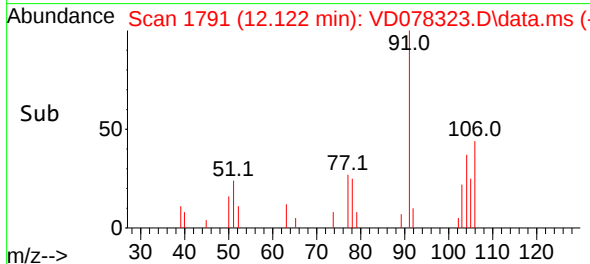
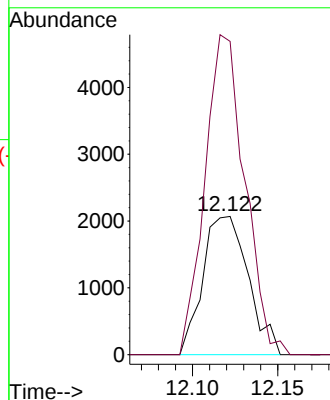
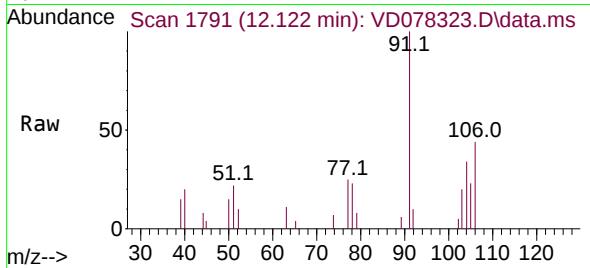




#54
o-Xylene
Concen: 0.689 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD078323.D
Acq: 02 Feb 2024 13:48

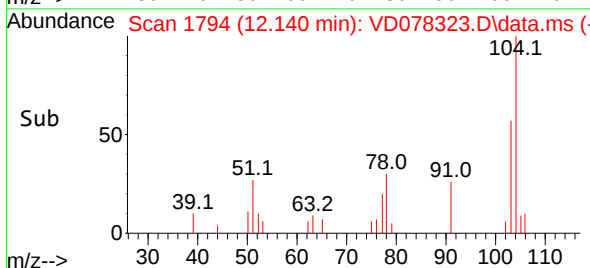
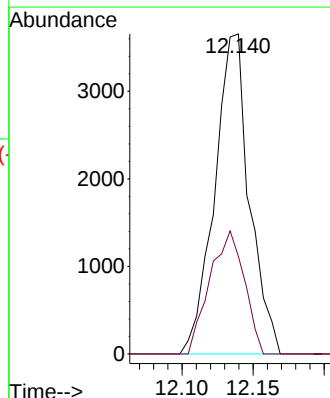
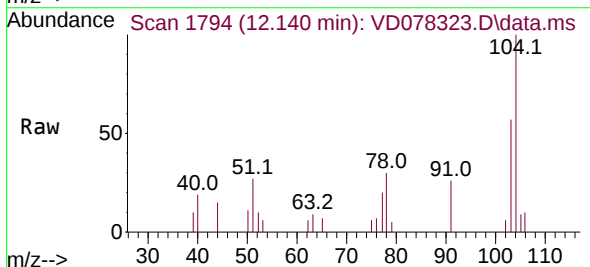
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08

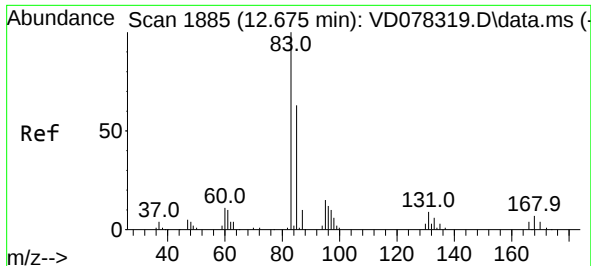
Tgt Ion:106 Resp: 3841
Ion Ratio Lower Upper
106 100
91 226.6 148.0 274.8



#55
Styrene
Concen: 0.619 ug/L
RT: 12.140 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VD078323.D
Acq: 02 Feb 2024 13:48

Tgt Ion:104 Resp: 6225
Ion Ratio Lower Upper
104 100
78 30.4 29.5 54.7





#57

1,1,2,2-Tetrachloroethane

Concen: 0.858 ug/L

RT: 12.663 min Scan# 1885

Delta R.T. -0.012 min

Lab File: VD078323.D

Acq: 02 Feb 2024 13:48

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2023-08

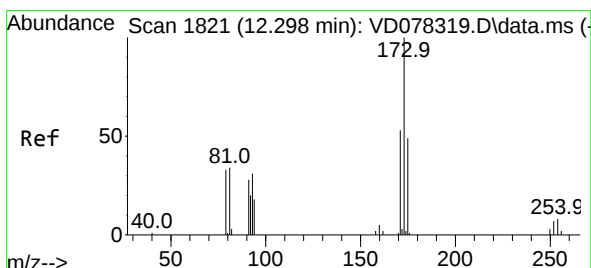
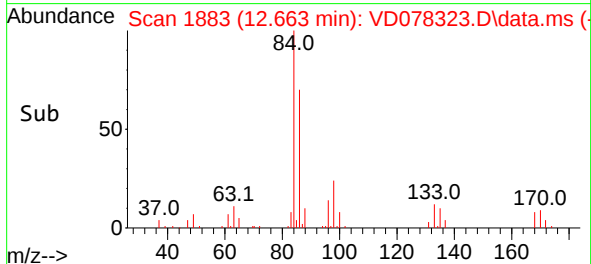
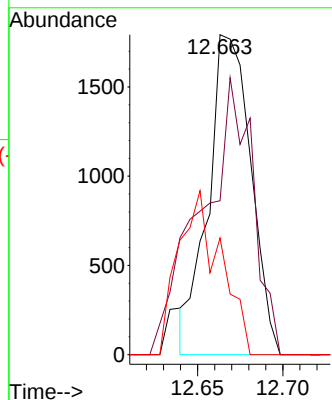
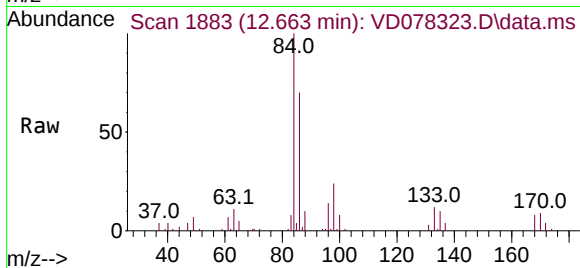
Tgt Ion: 83 Resp: 3110

Ion Ratio Lower Upper

83 100

85 48.1 42.6 79.0

131 36.4 6.0 9.0#



#59

Bromoform

Concen: 0.881 ug/L

RT: 12.298 min Scan# 1821

Delta R.T. 0.000 min

Lab File: VD078323.D

Acq: 02 Feb 2024 13:48

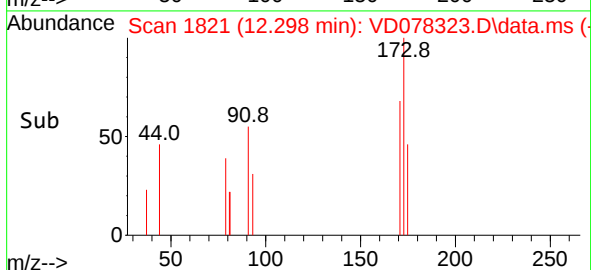
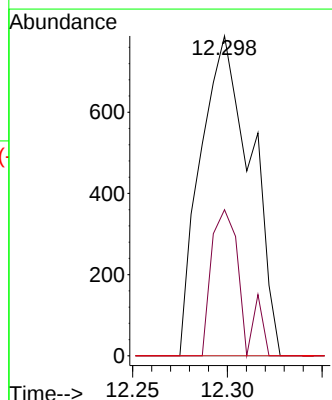
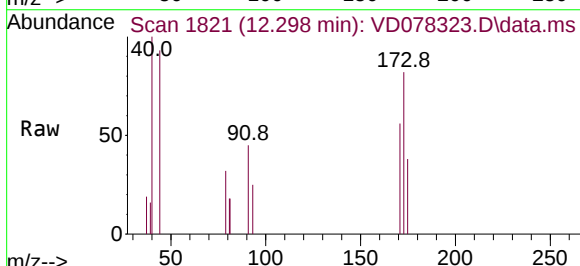
Tgt Ion: 173 Resp: 1460

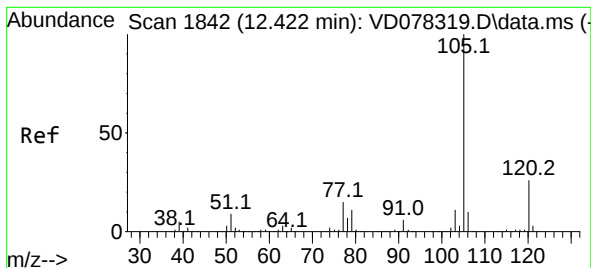
Ion Ratio Lower Upper

173 100

175 23.1 40.2 60.4#

254 0.0 6.6 9.8#





#60

Isopropylbenzene

Concen: 0.780 ug/L

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD078323.D

Acq: 02 Feb 2024 13:48

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2023-08

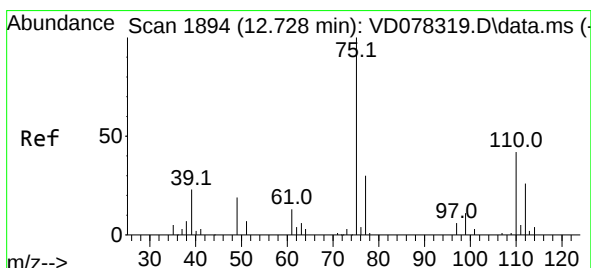
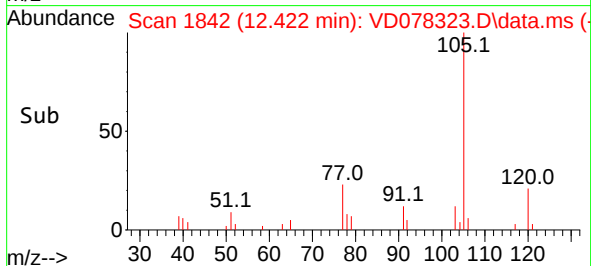
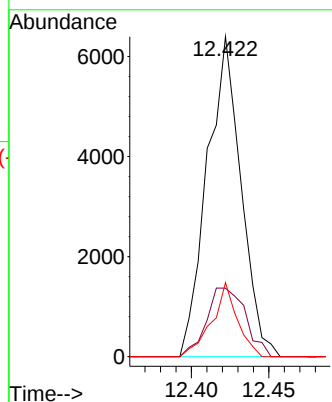
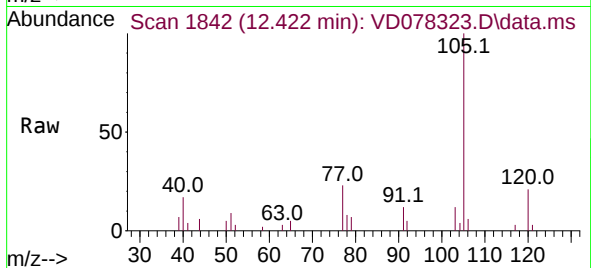
Tgt Ion:105 Resp: 9738

Ion Ratio Lower Upper

105 100

120 24.6 20.4 30.6

77 17.4 12.4 18.6



#61

1,2,3-Trichloropropane

Concen: 0.730 ug/L

RT: 12.734 min Scan# 1895

Delta R.T. 0.006 min

Lab File: VD078323.D

Acq: 02 Feb 2024 13:48

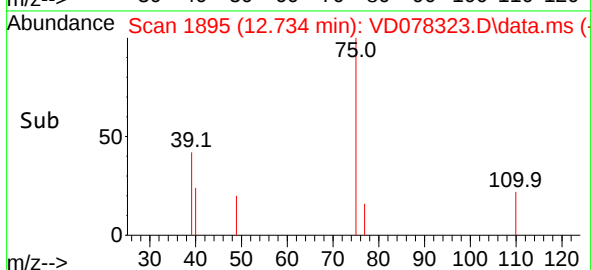
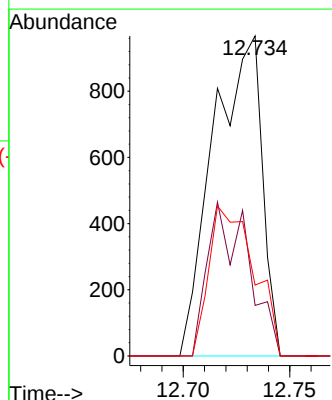
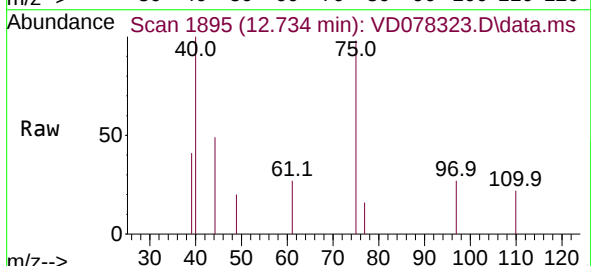
Tgt Ion: 75 Resp: 1538

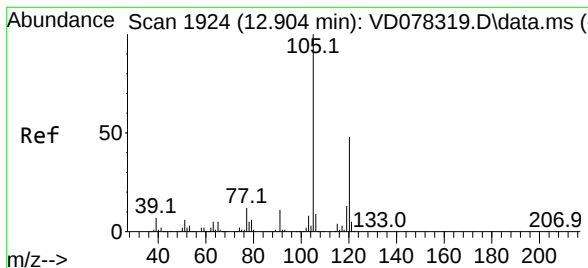
Ion Ratio Lower Upper

75 100

77 40.1 26.5 39.7#

110 43.3 31.8 47.8





#62

1,3,5-Trimethylbenzene

Concen: 0.702 ug/L

RT: 12.904 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VD078323.D

Acq: 02 Feb 2024 13:48

Instrument :

MSVOA_D

ClientSampleId :

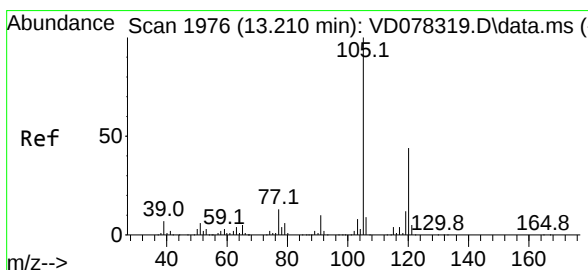
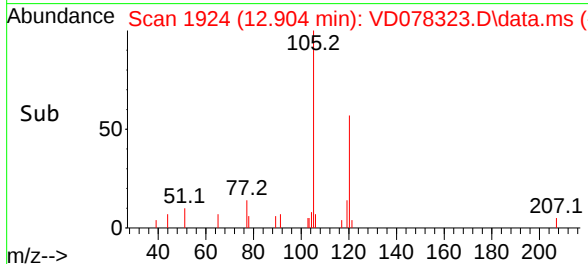
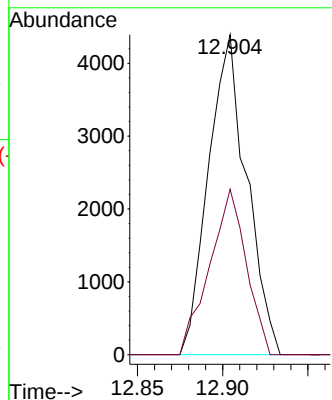
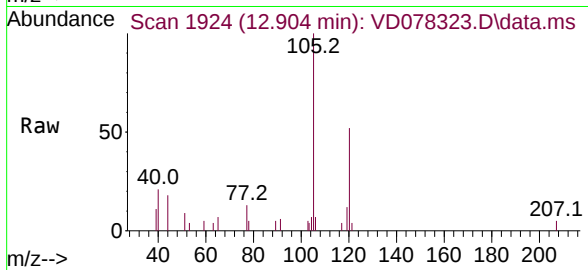
MDL-SOIL-QT4-2023-08

Tgt Ion:105 Resp: 6853

Ion Ratio Lower Upper

105 100

120 49.6 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 0.747 ug/L

RT: 13.216 min Scan# 1977

Delta R.T. 0.006 min

Lab File: VD078323.D

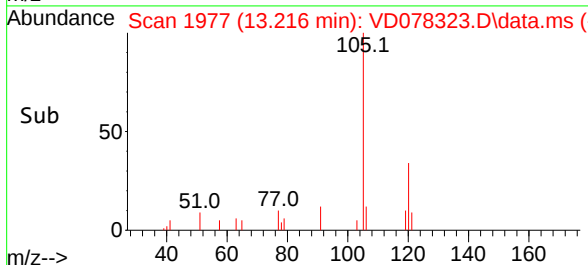
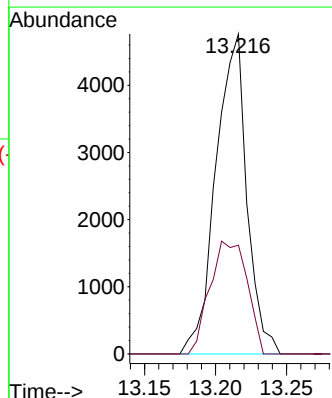
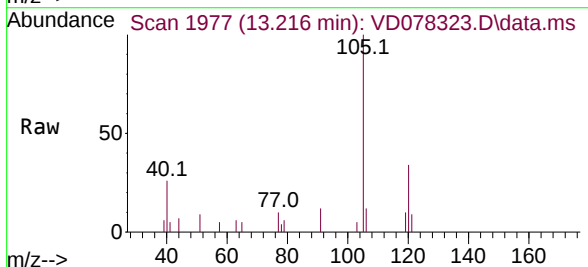
Acq: 02 Feb 2024 13:48

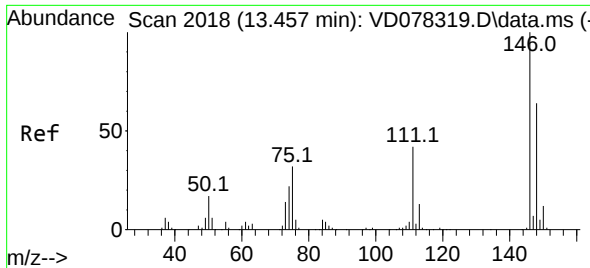
Tgt Ion:105 Resp: 7224

Ion Ratio Lower Upper

105 100

120 42.3 37.0 55.4

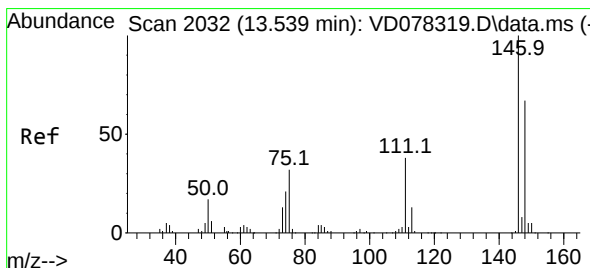
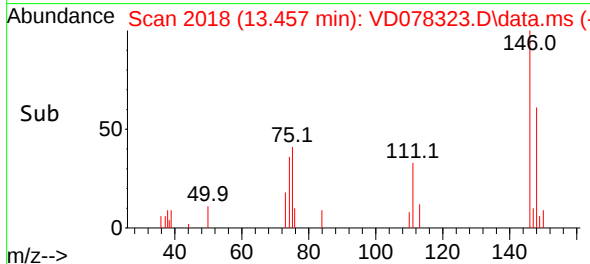
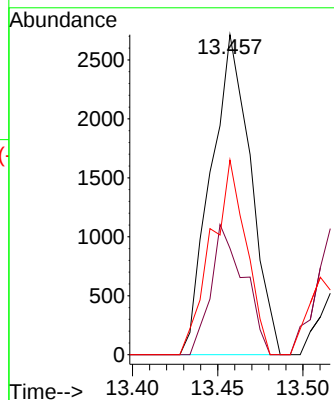
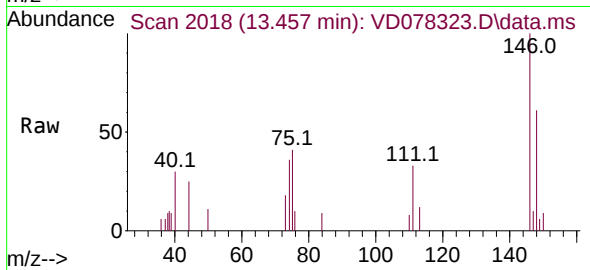




#64
1,3-Dichlorobenzene
Concen: 0.790 ug/L
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD078323.D
Acq: 02 Feb 2024 13:48

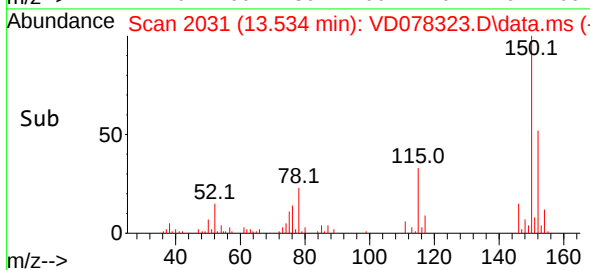
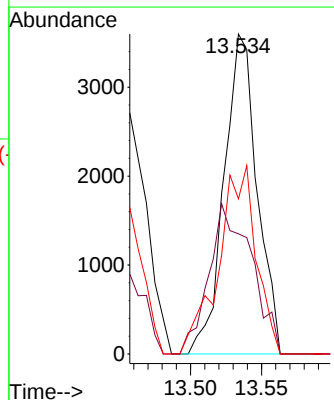
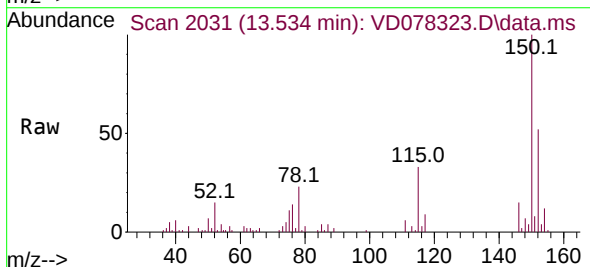
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08

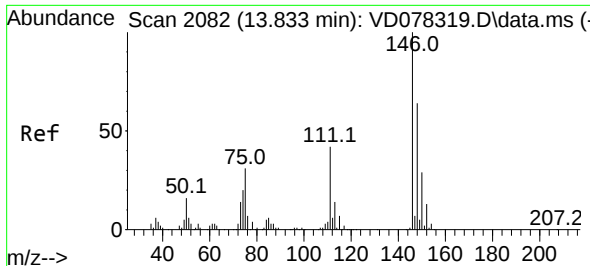
Tgt Ion:146 Resp: 4400
Ion Ratio Lower Upper
146 100
111 33.3 28.6 53.0
148 60.8 46.5 86.3



#65
1,4-Dichlorobenzene
Concen: 0.999 ug/L
RT: 13.534 min Scan# 2031
Delta R.T. -0.006 min
Lab File: VD078323.D
Acq: 02 Feb 2024 13:48

Tgt Ion:146 Resp: 5826
Ion Ratio Lower Upper
146 100
111 37.5 26.4 49.0
148 48.4 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 0.827 ug/L

RT: 13.828 min Scan# 2082

Delta R.T. -0.006 min

Lab File: VD078323.D

Acq: 02 Feb 2024 13:48

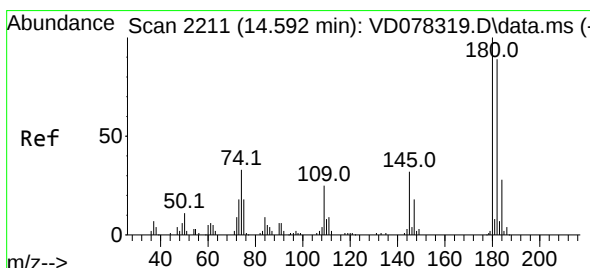
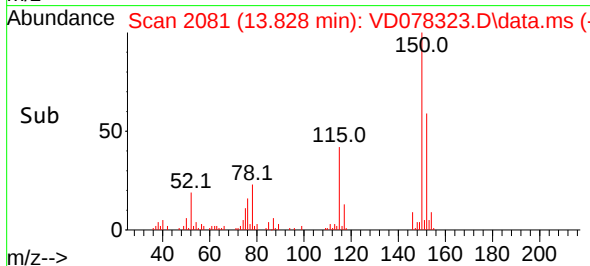
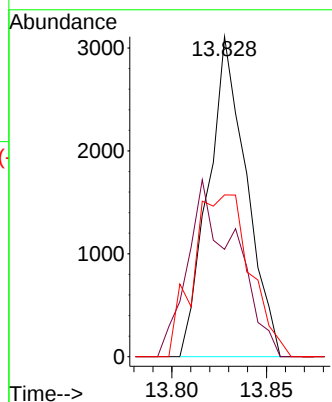
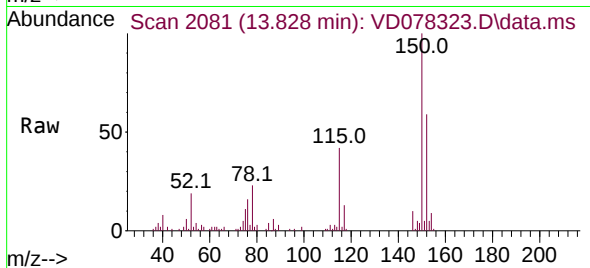
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT4-2023-08

Tgt Ion:146	Resp:	4358
Ion Ratio	Lower	Upper
146	100	
111	33.5	33.6 50.4#
148	50.6	48.4 72.6



#69

1,3,5-Trichlorobenzene

Concen: 0.648 ug/L

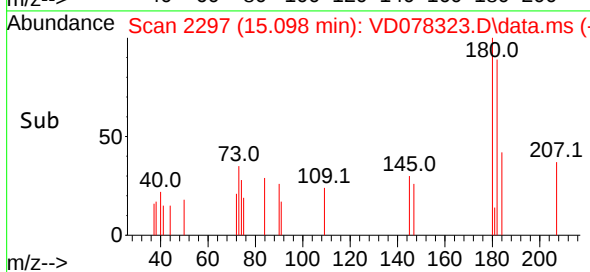
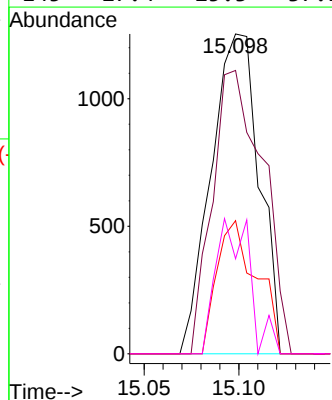
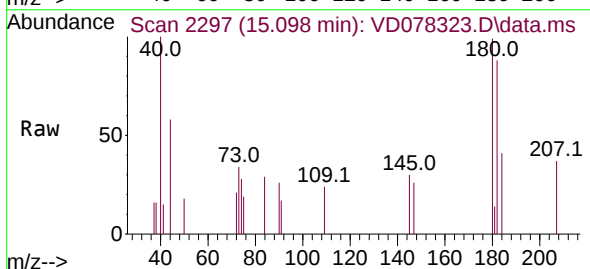
RT: 15.098 min Scan# 2297

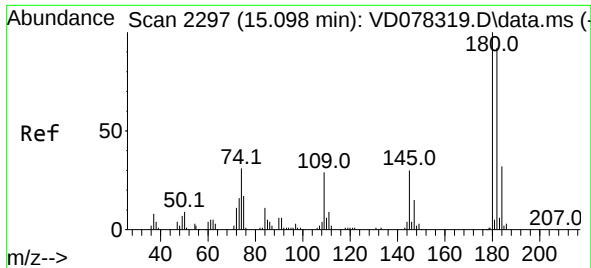
Delta R.T. 0.506 min

Lab File: VD078323.D

Acq: 02 Feb 2024 13:48

Tgt Ion:180	Resp:	2222
Ion Ratio	Lower	Upper
180	100	
182	92.6	75.6 113.4
184	29.5	23.2 34.8
145	27.4	25.3 37.9

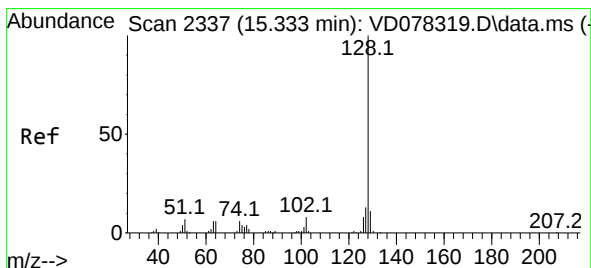
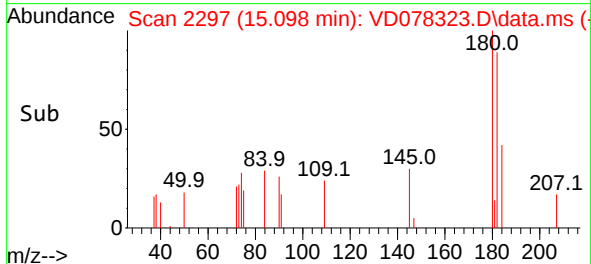
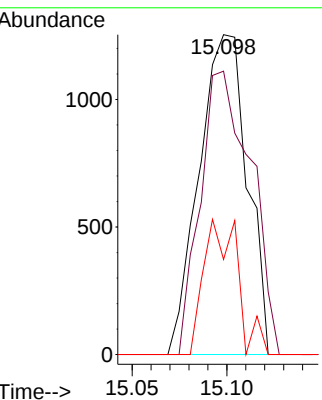
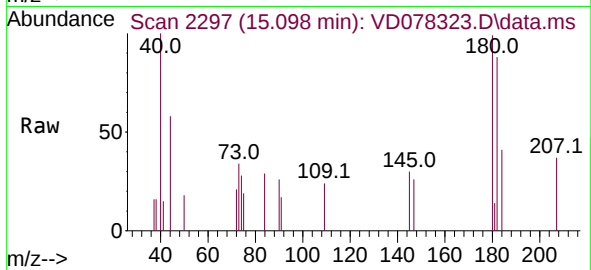




#70
1,2,4-trichlorobenzene
Concen: 0.749 ug/L
RT: 15.098 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD078323.D
Acq: 02 Feb 2024 13:48

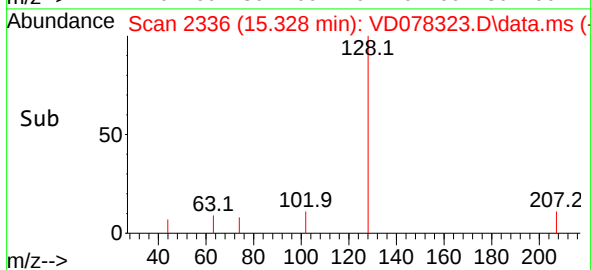
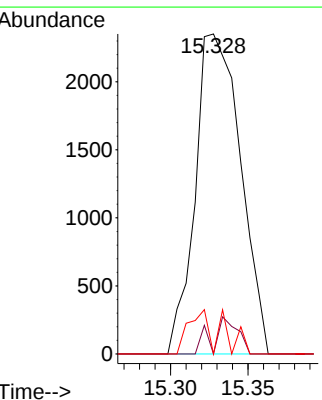
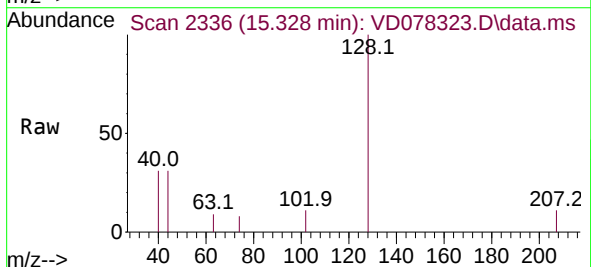
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT4-2023-08

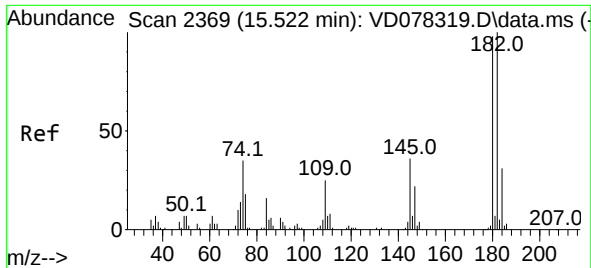
Tgt Ion:180 Resp: 2222
Ion Ratio Lower Upper
180 100
182 92.6 76.2 114.4
145 27.4 25.0 37.6



#71
Naphthalene
Concen: 0.690 ug/L
RT: 15.328 min Scan# 2336
Delta R.T. -0.006 min
Lab File: VD078323.D
Acq: 02 Feb 2024 13:48

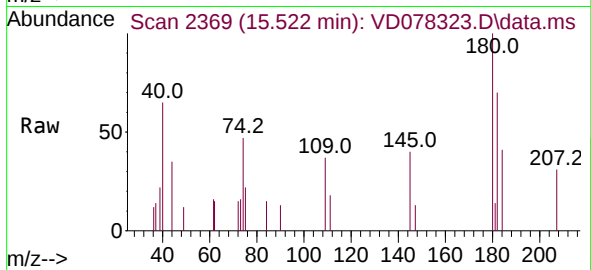
Tgt Ion:128 Resp: 4787
Ion Ratio Lower Upper
128 100
127 4.7 11.0 16.4#
129 2.4 8.6 12.8#





#72
 1,2,3-Trichlorobenzene
 Concen: 0.808 ug/L
 RT: 15.522 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VD078323.D
 Acq: 02 Feb 2024 13:48

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT4-2023-08



Tgt Ion:	180	Resp:	2236
Ion	Ratio	Lower	Upper
180	100		
182	81.4	75.4	113.0
145	22.7	26.8	40.2#

