

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040623\
 Data File : VD075589.D
 Acq On : 06 Apr 2023 11:56
 Operator : KP/SY
 Sample : 01378-04
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT1-2023-02

Quant Time: Apr 07 01:24:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM033123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Apr 01 00:08:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	319092	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	289068	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	122836	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	188112	25.320	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 101.280%	
7) Chloroethane-d5	2.805	69	172846	26.145	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 104.600%	
11) 1,1-Dichloroethene-d2	3.916	63	120549	20.117	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	= 80.480%	
21) 2-Butanone-d5	6.993	46	31199	64.485	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 128.980%	
24) Chloroform-d	7.569	84	192308	25.562	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 102.240%	
26) 1,2-Dichloroethane-d4	8.234	65	86228	25.864	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 103.440%	
32) Benzene-d6	8.204	84	408033	24.144	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 96.560%	
36) 1,2-Dichloropropane-d6	9.210	67	114341	25.388	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 101.560%	
41) Toluene-d8	10.269	98	370641	23.390	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 93.560%	
43) trans-1,3-Dichloroprop...	10.528	79	46538	24.788	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 99.160%	
47) 2-Hexanone-d5	10.881	63	27622	51.828	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 103.660%	
56) 1,1,2,2-Tetrachloroeth...	12.651	84	91114	27.005	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 108.040%	
66) 1,2-Dichlorobenzene-d4	13.816	152	105336	24.999	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 100.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	3698	1.237	ug/L	98
3) Chloromethane	2.146	50	5404	1.381	ug/L	84
5) Vinyl chloride	2.281	62	8428	1.382	ug/L #	62
6) Bromomethane	2.699	94	5337	1.283	ug/L	89
8) Chloroethane	2.846	64	5162	1.215	ug/L	86
9) Trichlorofluoromethane	3.175	101	6368	1.201	ug/L #	60
10) 1,1,2-Trichloro-1,2,2-...	3.975	101	4291	1.165	ug/L #	58
12) 1,1-Dichloroethene	3.934	96	2523	0.829	ug/L #	1
13) Acetone	4.028	43	1072	2.113	ug/L	80
14) Carbon disulfide	4.269	76	9279	1.274	ug/L #	88
15) Methyl Acetate	4.563	43	319	0.375	ug/L	93
16) Methylene chloride	4.787	84	4547	1.037	ug/L	95
17) trans-1,2-Dichloroethene	5.304	96	1982	0.613	ug/L	95
18) Methyl tert-butyl Ether	5.322	73	2973	0.484	ug/L #	83
19) 1,1-Dichloroethane	6.110	63	6315	1.140	ug/L	98
20) cis-1,2-Dichloroethene	7.087	96	2703	0.712	ug/L	82
23) Bromochloromethane	7.428	128	1503	0.840	ug/L #	72
25) Chloroform	7.598	83	9444	1.424	ug/L	98
27) 1,2-Dichloroethane	8.328	62	4429	1.292	ug/L	94

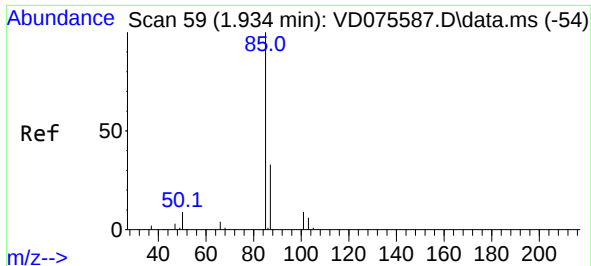
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Quant Time: Apr 07 01:24:52 2023
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 Quant Title : SFAM01.0
 QLast Update : Sat Apr 01 00:08:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.875	56	3734	1.058	ug/L #	81
30) 1,1,1-Trichloroethane	7.787	97	6473	1.137	ug/L #	86
31) Carbon tetrachloride	7.993	117	4813	1.047	ug/L	85
33) Benzene	8.251	78	17347	1.166	ug/L	100
34) Trichloroethene	9.028	95	4611	1.106	ug/L	85
35) Methylcyclohexane	9.269	83	5525	1.014	ug/L	93
37) 1,2-Dichloropropane	9.310	63	4133	1.181	ug/L #	82
38) Bromodichloromethane	9.581	83	5480	1.099	ug/L #	94
39) cis-1,3-Dichloropropene	10.016	75	5720	1.031	ug/L	93
40) 4-Methyl-2-pentanone	10.157	43	3067	2.338	ug/L #	81
42) Toluene	10.334	91	17934	1.085	ug/L	95
44) trans-1,3-Dichloropropene	10.551	75	6783	1.438	ug/L	96
45) 1,1,2-Trichloroethane	10.739	97	3542	1.103	ug/L #	83
46) Tetrachloroethene	10.810	164	3533	1.082	ug/L	91
48) 2-Hexanone	10.922	43	2096	2.371	ug/L	92
49) Dibromochloromethane	11.075	129	3745	1.077	ug/L	85
50) 1,2-Dibromoethane	11.181	107	2902	1.031	ug/L #	83
51) Chlorobenzene	11.604	112	11922	1.071	ug/L	93
52) Ethylbenzene	11.686	91	17516	1.008	ug/L	90
53) m,p-Xylene	11.798	106	6902	1.013	ug/L	98
54) o-Xylene	12.122	106	5548	0.855	ug/L	95
55) Styrene	12.134	104	9329	0.807	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.669	83	4032	1.217	ug/L #	87
59) Bromoform	12.298	173	1975	1.040	ug/L #	94
60) Isopropylbenzene	12.422	105	14878	0.917	ug/L	98
61) 1,2,3-Trichloropropane	12.728	75	2624	1.350	ug/L #	82
62) 1,3,5-Trimethylbenzene	12.904	105	10973	0.897	ug/L	95
63) 1,2,4-Trimethylbenzene	13.216	105	9271	0.792	ug/L	93
64) 1,3-Dichlorobenzene	13.457	146	8679	1.182	ug/L	95
65) 1,4-Dichlorobenzene	13.539	146	8995	1.174	ug/L	84
67) 1,2-Dichlorobenzene	13.833	146	8504	1.279	ug/L	96
69) 1,3,5-Trichlorobenzene	14.592	180	4603	1.016	ug/L	96
70) 1,2,4-trichlorobenzene	15.104	180	4466	1.218	ug/L	95
71) Naphthalene	15.333	128	11197	1.652	ug/L #	92
72) 1,2,3-Trichlorobenzene	15.522	180	5482	1.669	ug/L #	92

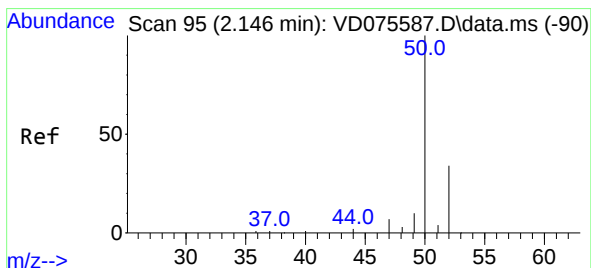
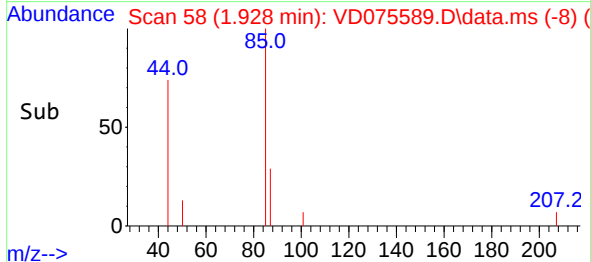
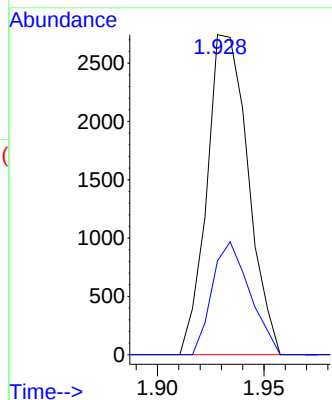
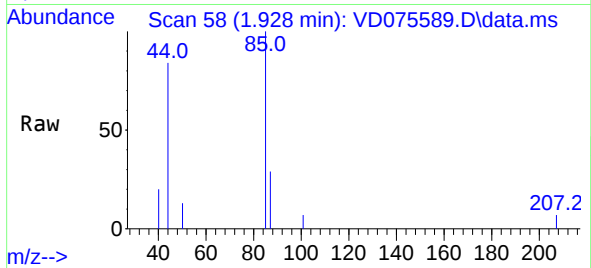
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#2
Dichlorodifluoromethane
Concen: 1.237 ug/L
RT: 1.928 min Scan# 51
Delta R.T. -0.006 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

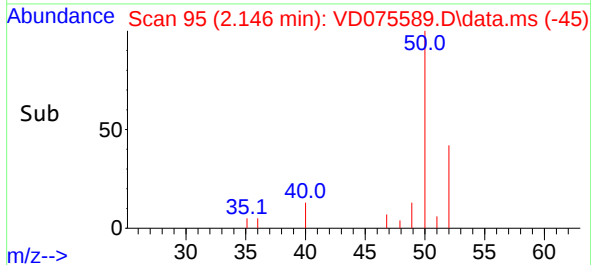
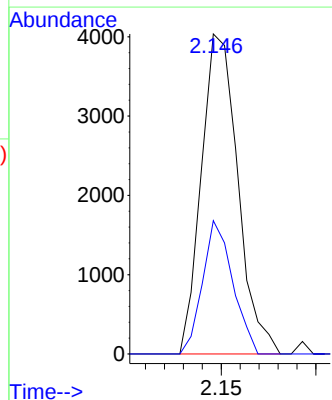
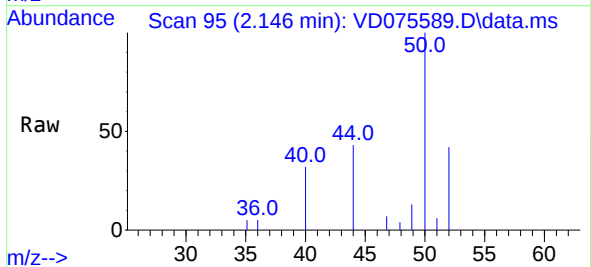
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-02

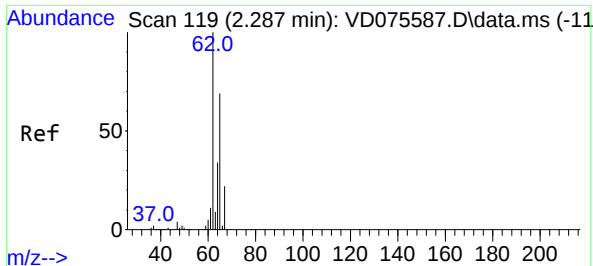
Tgt Ion: 85 Resp: 3698
Ion Ratio Lower Upper
85 100
87 32.2 25.0 37.4



#3
Chloromethane
Concen: 1.381 ug/L
RT: 2.146 min Scan# 95
Delta R.T. -0.006 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

Tgt Ion: 50 Resp: 5404
Ion Ratio Lower Upper
50 100
52 41.7 22.7 42.1

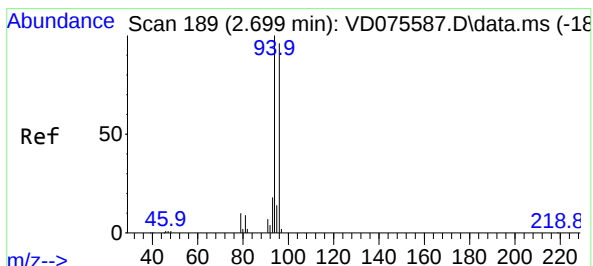
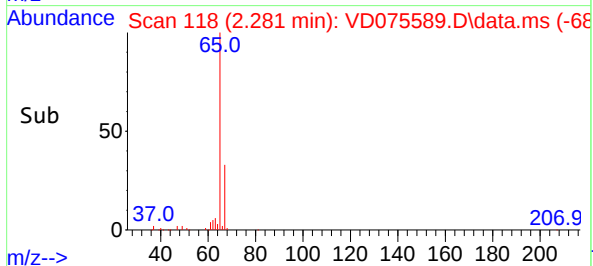
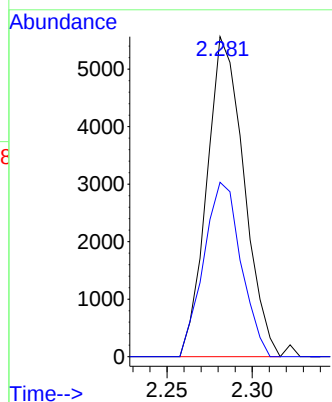
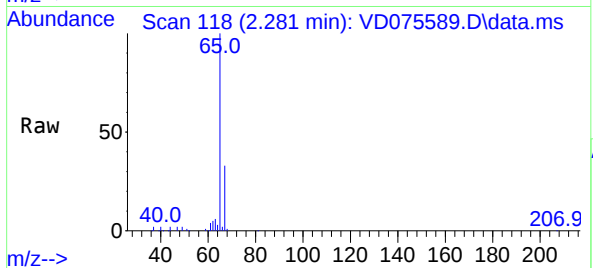




#5
 Vinyl chloride
 Concen: 1.382 ug/L
 RT: 2.281 min Scan# 119
 Delta R.T. -0.006 min
 Lab File: VD075589.D
 Acq: 06 Apr 2023 11:56

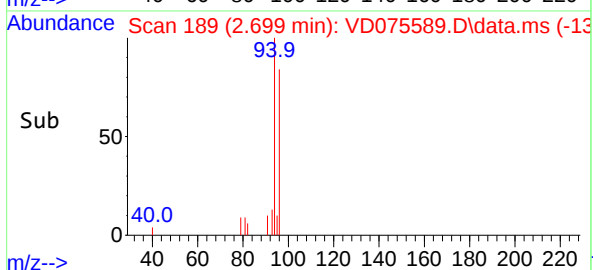
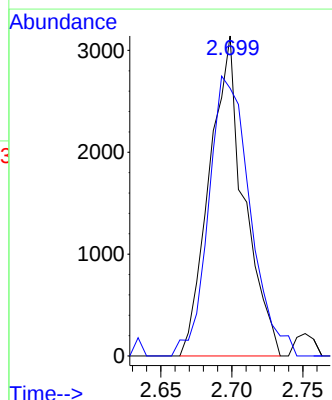
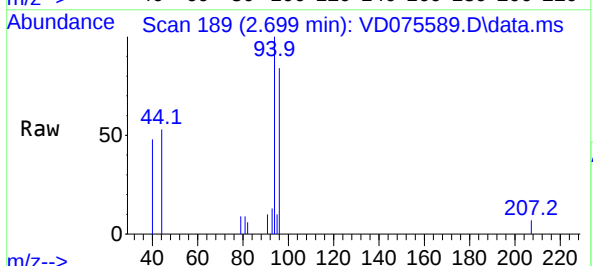
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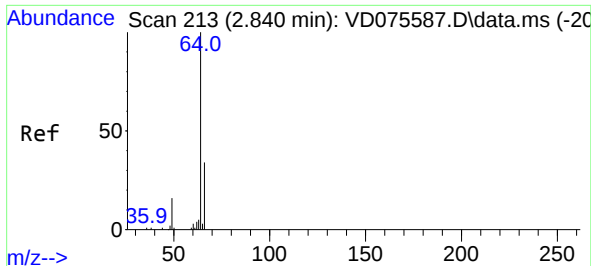
Tgt Ion: 62 Resp: 8428
 Ion Ratio Lower Upper
 62 100
 64 54.5 23.1 42.9#



#6
 Bromomethane
 Concen: 1.283 ug/L
 RT: 2.699 min Scan# 189
 Delta R.T. 0.000 min
 Lab File: VD075589.D
 Acq: 06 Apr 2023 11:56

Tgt Ion: 94 Resp: 5337
 Ion Ratio Lower Upper
 94 100
 96 83.6 66.1 122.7

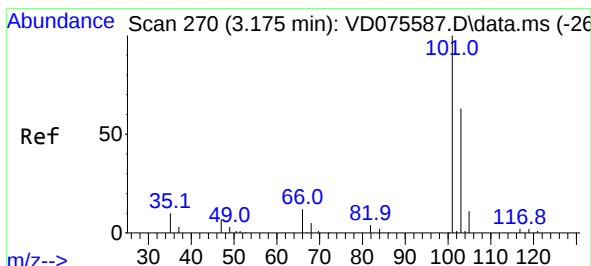
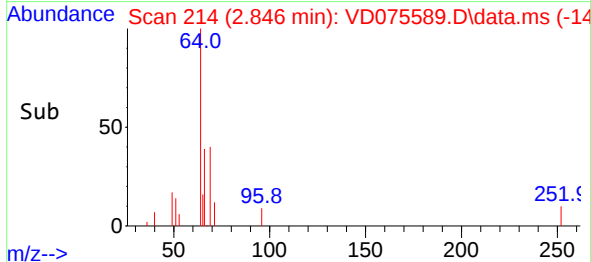
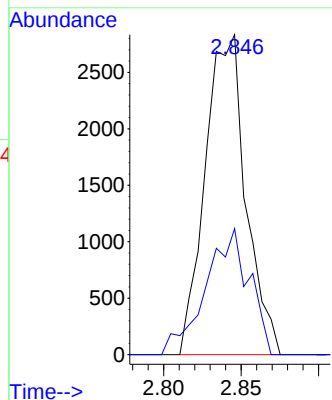
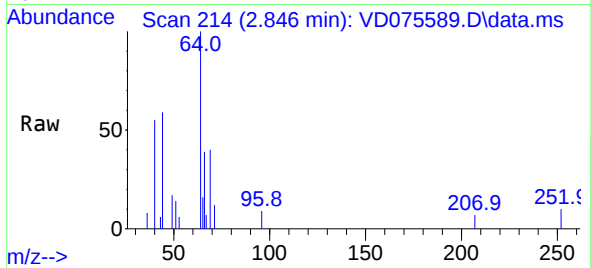




#8
Chloroethane
Concen: 1.215 ug/L
RT: 2.846 min Scan# 213
Delta R.T. 0.006 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

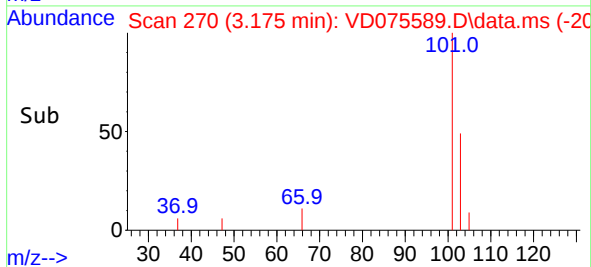
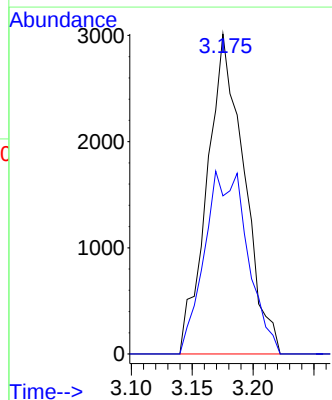
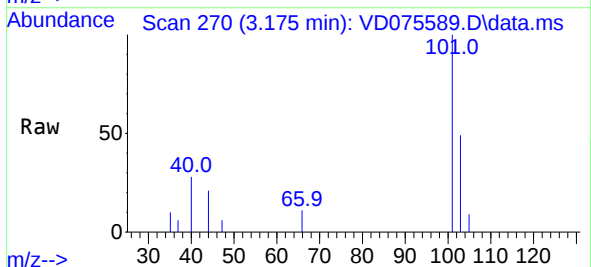
Instrument :
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ClientSampleId :
MDL-SOIL-QT1-2023-02

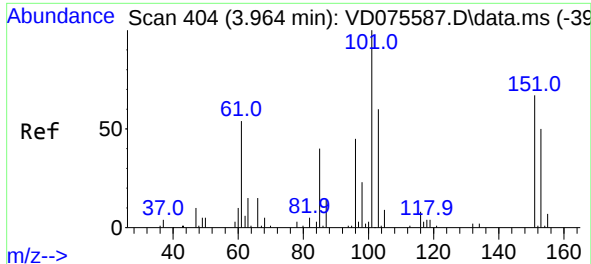
Tgt Ion: 64 Resp: 5162
Ion Ratio Lower Upper
64 100
66 39.4 22.0 41.0



#9
Trichlorofluoromethane
Concen: 1.201 ug/L
RT: 3.175 min Scan# 270
Delta R.T. -0.006 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

Tgt Ion: 101 Resp: 6368
Ion Ratio Lower Upper
101 100
103 32.7 51.5 77.3#





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.165 ug/L

RT: 3.975 min Scan# 404

Delta R.T. 0.006 min

Lab File: VD075589.D

Acq: 06 Apr 2023 11:56

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT1-2023-02

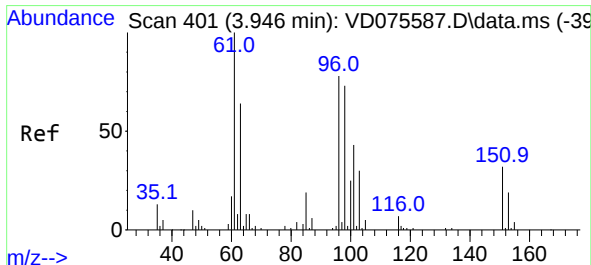
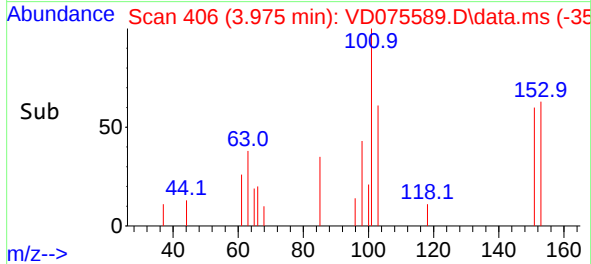
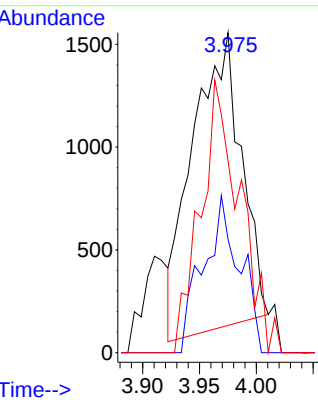
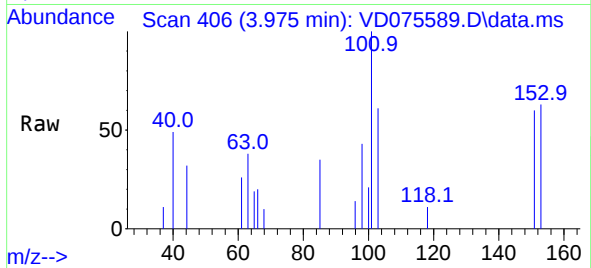
Tgt Ion:101 Resp: 4291

Ion Ratio Lower Upper

101 100

85 33.9 33.4 50.0

151 20.4 55.8 83.8#



#12

1,1-Dichloroethene

Concen: 0.829 ug/L

RT: 3.934 min Scan# 399

Delta R.T. -0.012 min

Lab File: VD075589.D

Acq: 06 Apr 2023 11:56

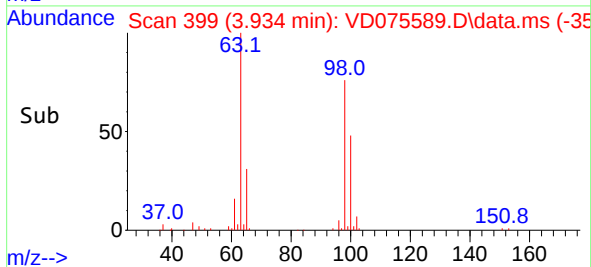
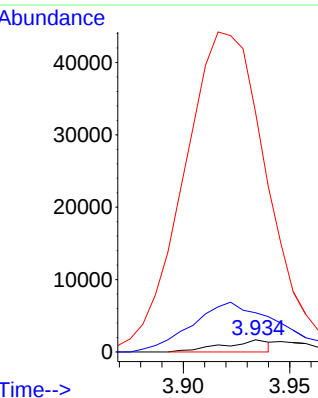
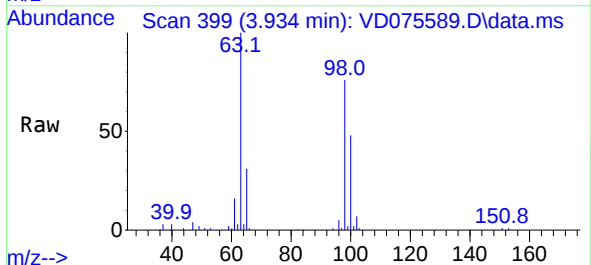
Tgt Ion: 96 Resp: 2523

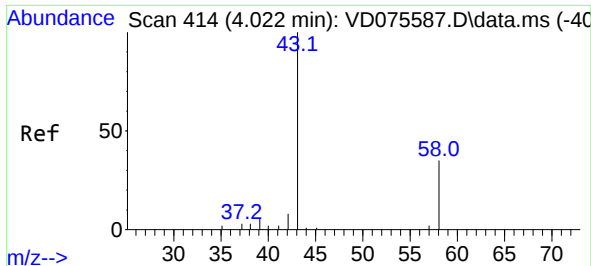
Ion Ratio Lower Upper

96 100

61 322.4 96.7 179.7#

63 1967.2 76.0 141.2#





#13

Acetone

Concen: 2.113 ug/L

RT: 4.028 min Scan# 41

Delta R.T. 0.012 min

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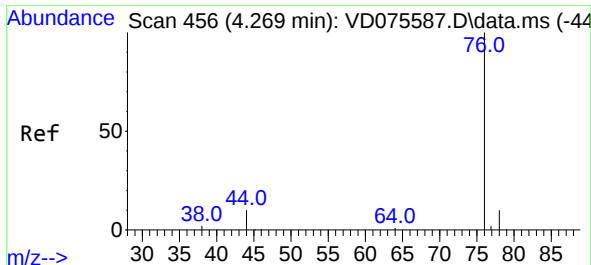
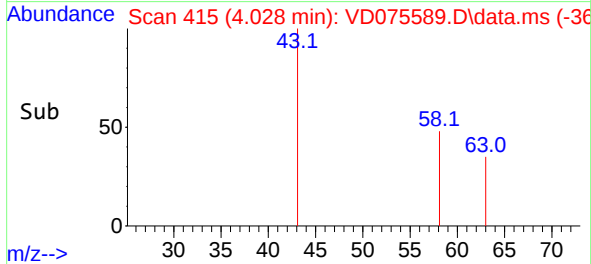
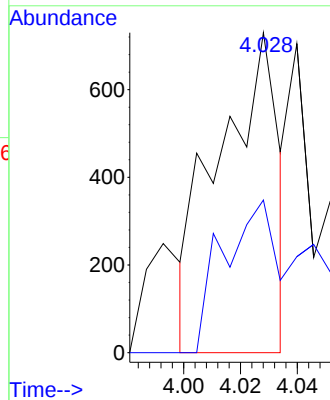
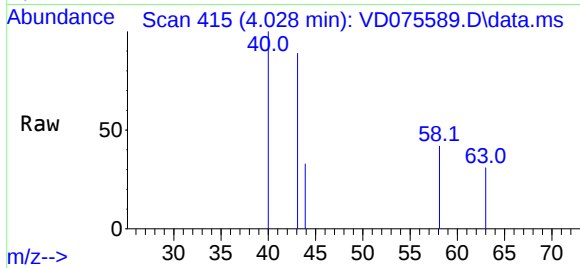
MDL-SOIL-QT1-2023-02

Tgt Ion: 43 Resp: 1072

Ion Ratio Lower Upper

43 100

58 26.5 0.0 77.4



#14

Carbon disulfide

Concen: 1.274 ug/L

RT: 4.269 min Scan# 456

Delta R.T. -0.006 min

Lab File: VD075589.D

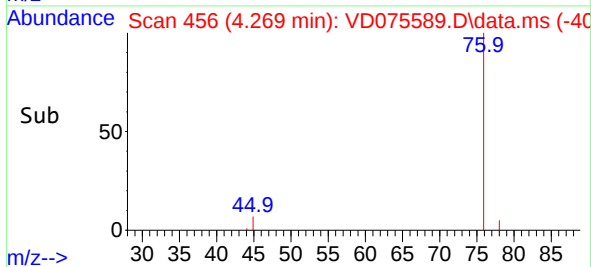
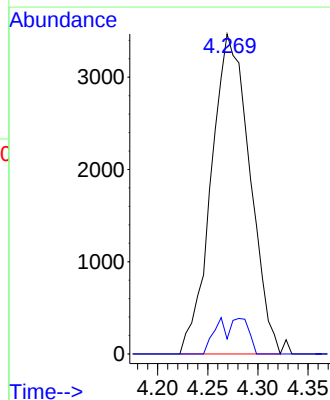
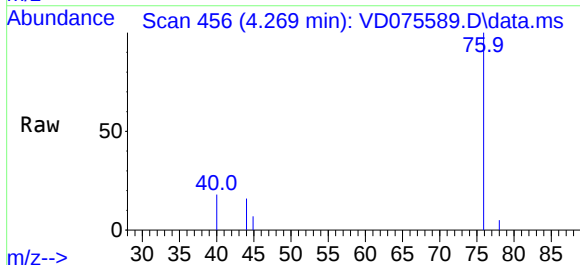
Acq: 06 Apr 2023 11:56

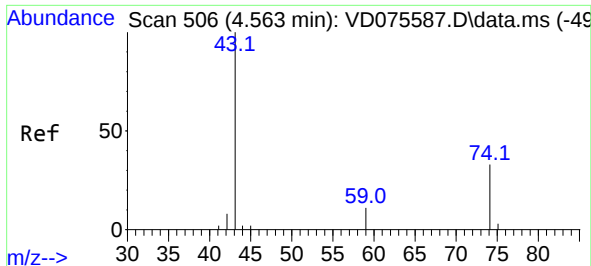
Tgt Ion: 76 Resp: 9279

Ion Ratio Lower Upper

76 100

78 4.7 7.4 11.0#

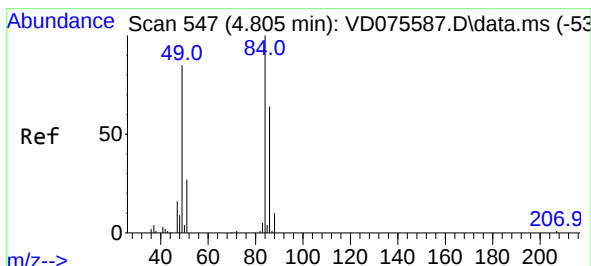
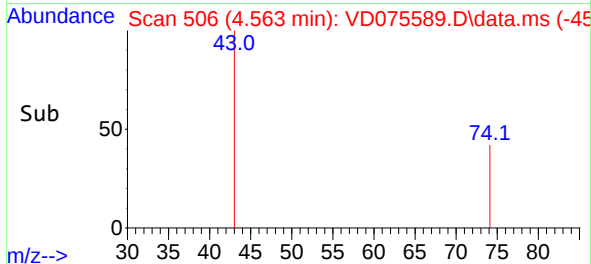
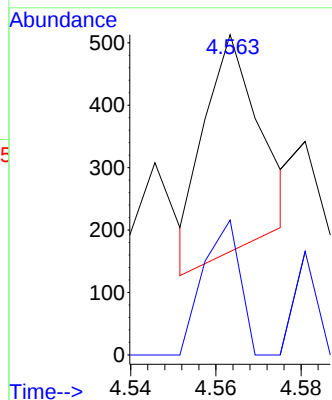
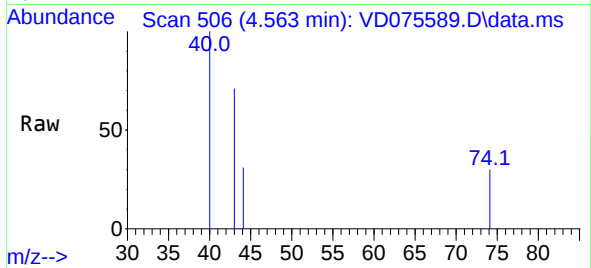




#15
Methyl Acetate
Concen: 0.375 ug/L
RT: 4.563 min Scan# 506
Delta R.T. 0.006 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

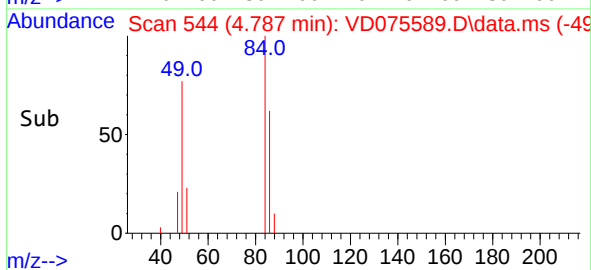
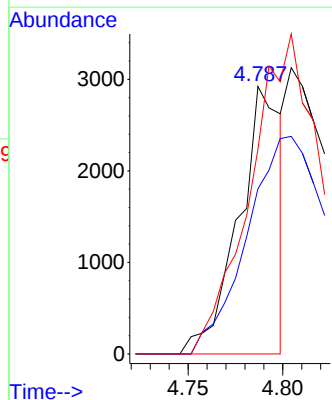
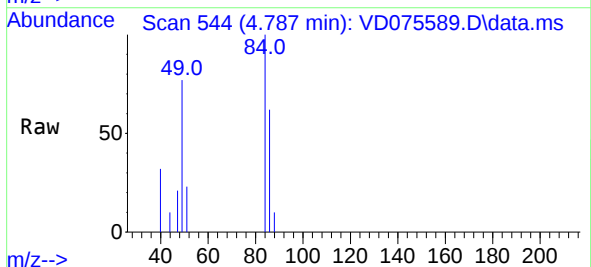
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-02

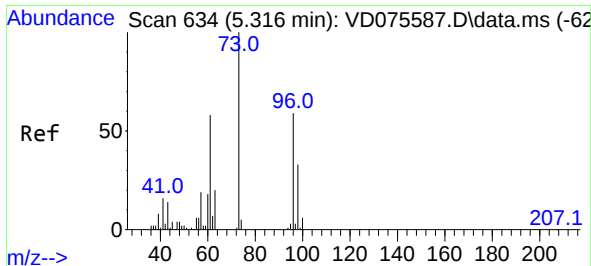
Tgt Ion: 43 Resp: 319
Ion Ratio Lower Upper
43 100
74 40.4 29.0 43.4



#16
Methylene chloride
Concen: 1.037 ug/L
RT: 4.787 min Scan# 544
Delta R.T. -0.018 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

Tgt Ion: 84 Resp: 4547
Ion Ratio Lower Upper
84 100
86 61.8 44.4 82.4
49 76.5 58.5 108.7

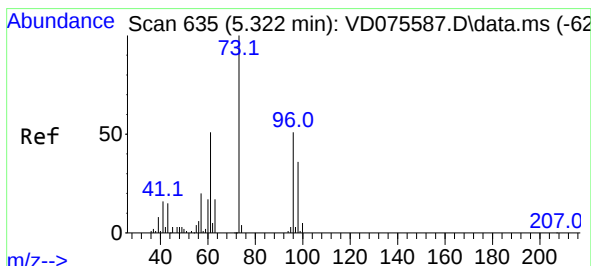
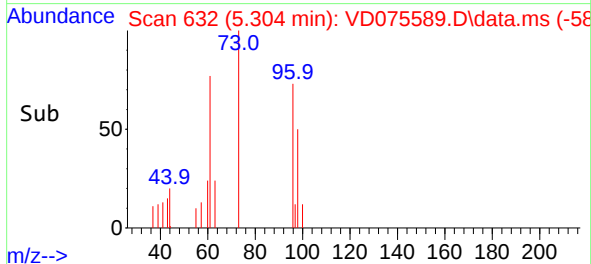
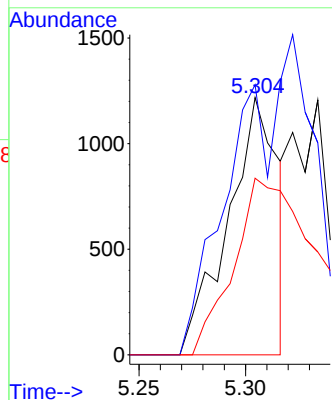
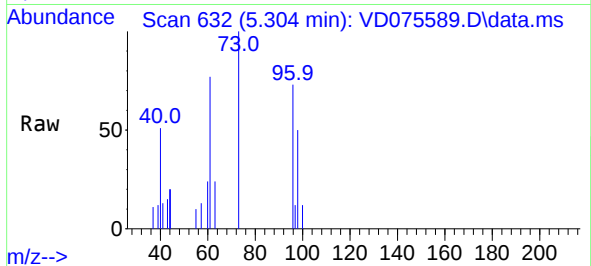




#17
trans-1,2-Dichloroethene
Concen: 0.613 ug/L
RT: 5.304 min Scan# 61
Delta R.T. -0.018 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

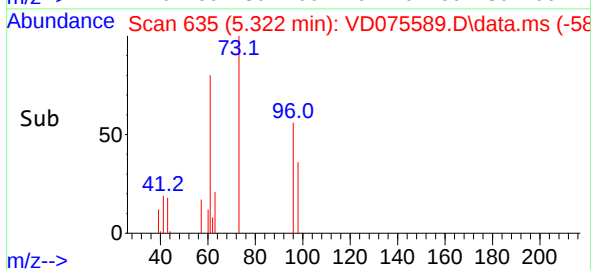
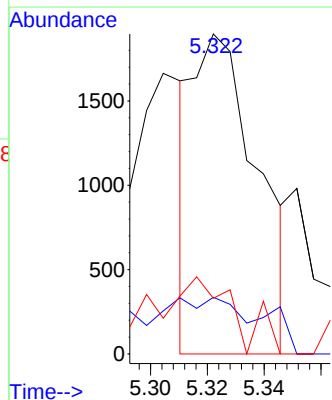
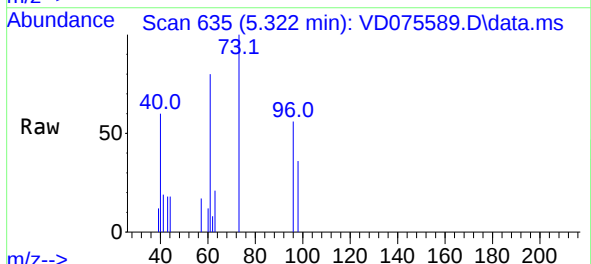
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-02

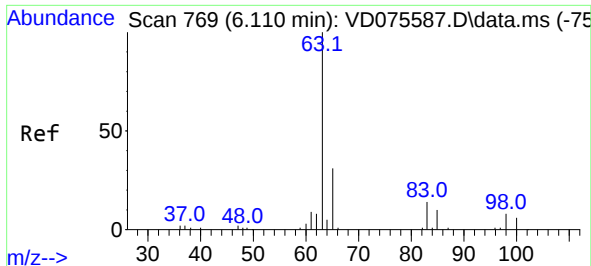
Tgt Ion: 96 Resp: 1982
Ion Ratio Lower Upper
96 100
61 105.0 75.4 140.0
98 68.6 43.8 81.3



#18
Methyl tert-butyl Ether
Concen: 0.484 ug/L
RT: 5.322 min Scan# 635
Delta R.T. 0.000 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

Tgt Ion: 73 Resp: 2973
Ion Ratio Lower Upper
73 100
43 0.0 11.4 17.0#
57 17.9 15.8 23.6

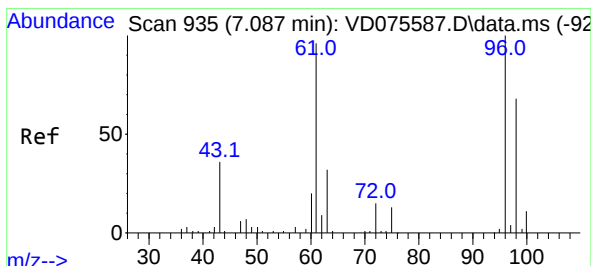
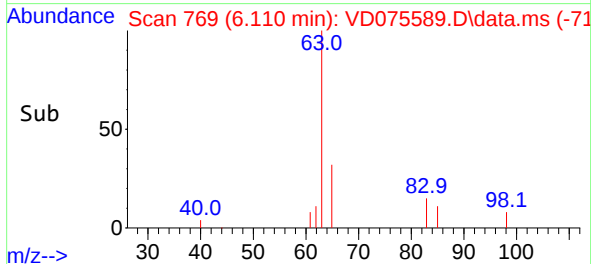
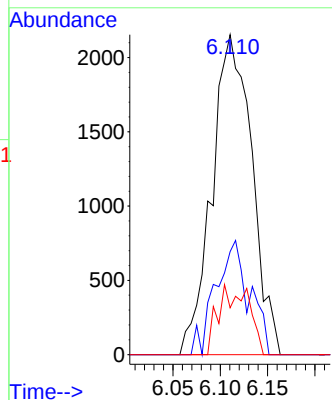
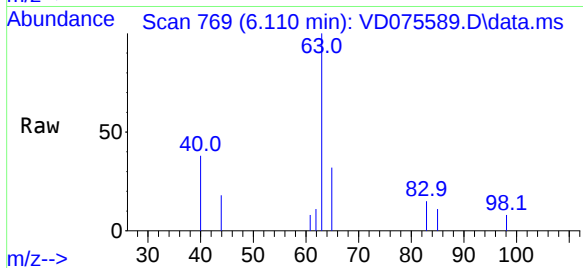




#19
1,1-Dichloroethane
Concen: 1.140 ug/L
RT: 6.110 min Scan# 769
Delta R.T. -0.006 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

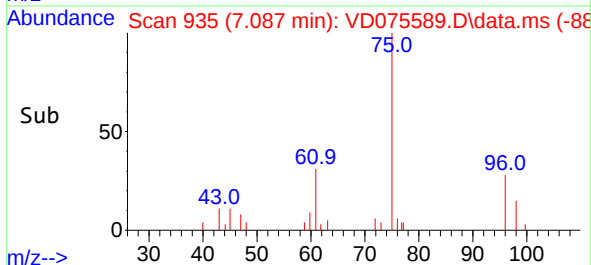
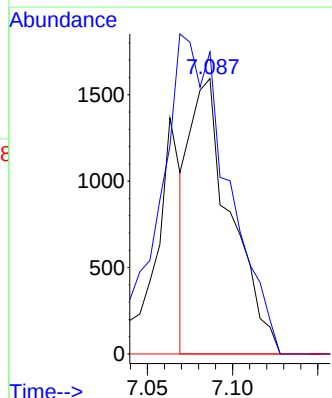
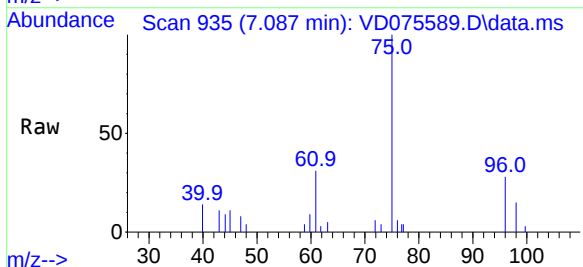
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-02

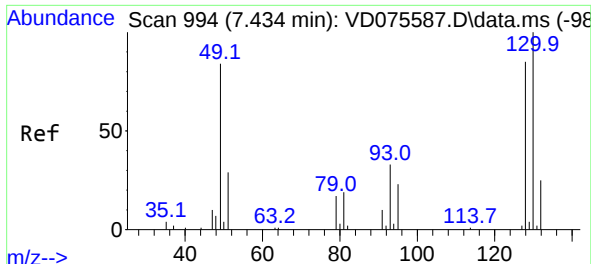
Tgt Ion:	63	Resp:	6315
Ion	Ratio	Lower	Upper
63	100		
65	32.2	23.1	42.9
83	14.6	11.2	20.8



#20
cis-1,2-Dichloroethene
Concen: 0.712 ug/L
RT: 7.087 min Scan# 935
Delta R.T. 0.000 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

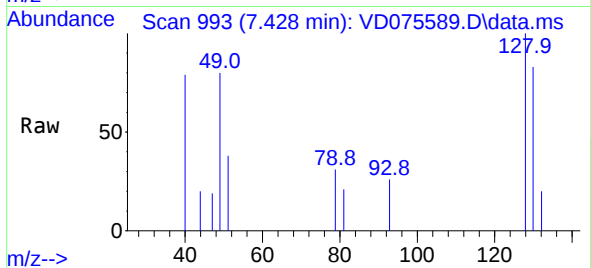
Tgt Ion:	96	Resp:	2703
Ion	Ratio	Lower	Upper
96	100		
61	109.7	64.8	120.4
68	0.0	0.0	0.0



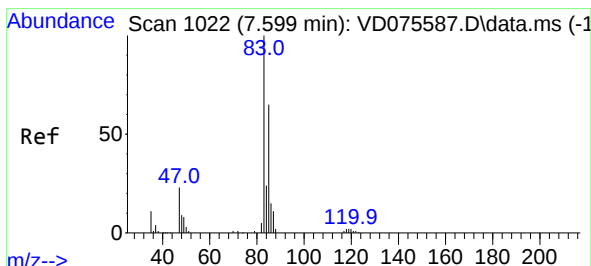
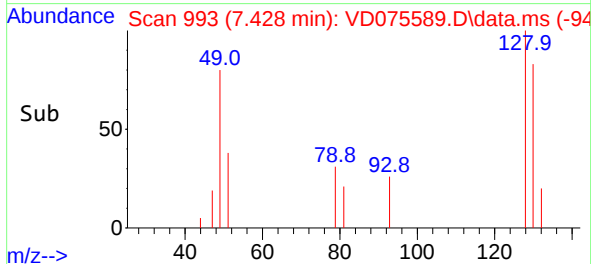
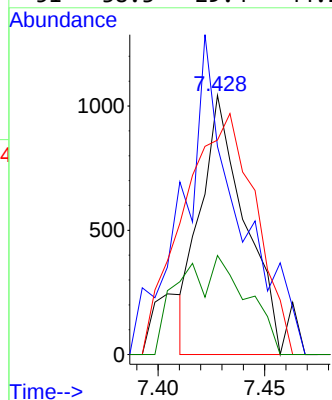


#23
Bromochloromethane
Concen: 0.840 ug/L
RT: 7.428 min Scan# 994
Delta R.T. 0.000 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-02

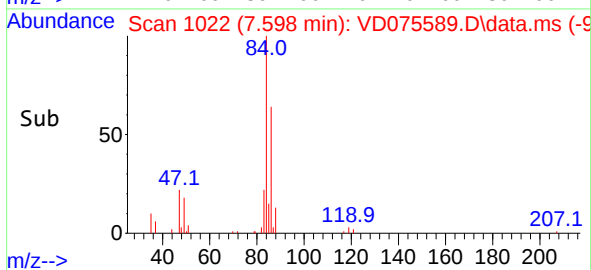
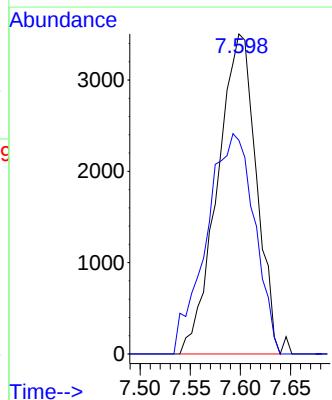
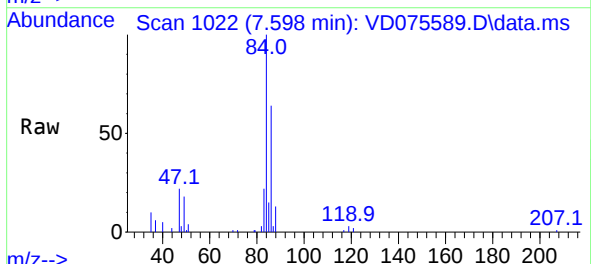


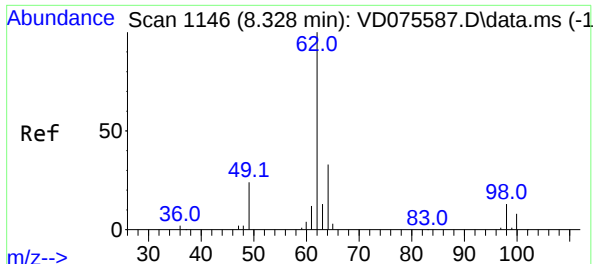
Tgt Ion:128 Resp: 1503
Ion Ratio Lower Upper
128 100
49 80.2 75.0 139.4
130 82.7 87.4 162.2#
51 38.3 29.4 44.2



#25
Chloroform
Concen: 1.424 ug/L
RT: 7.598 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

Tgt Ion: 83 Resp: 9444
Ion Ratio Lower Upper
83 100
85 66.8 45.8 85.0

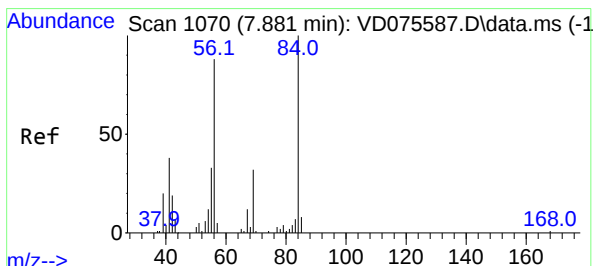
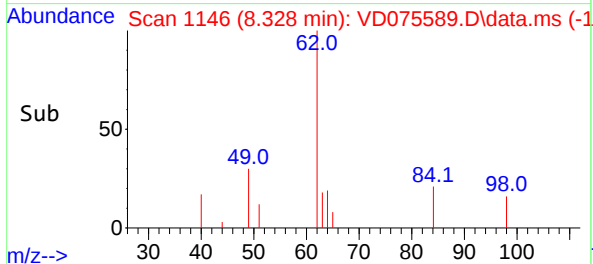
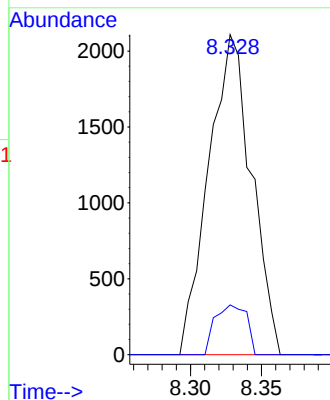
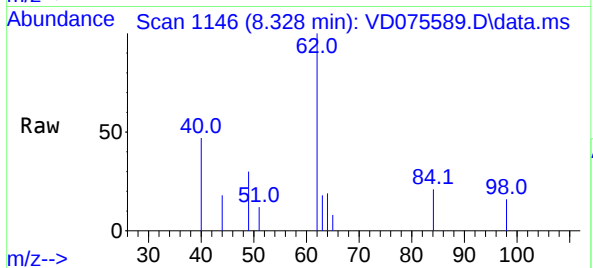




#27
1,2-Dichloroethane
Concen: 1.292 ug/L
RT: 8.328 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

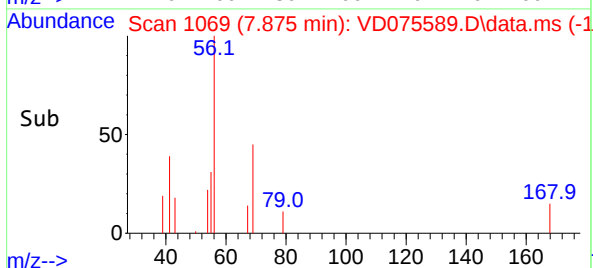
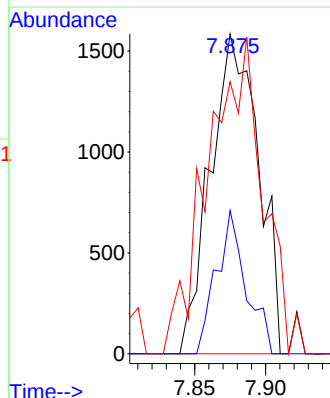
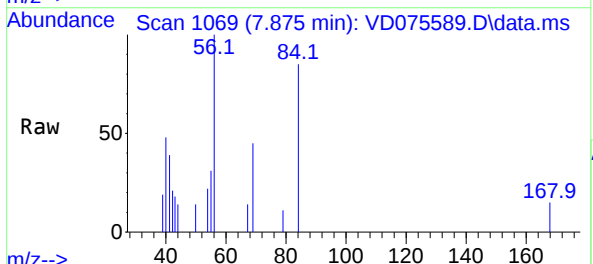
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-02

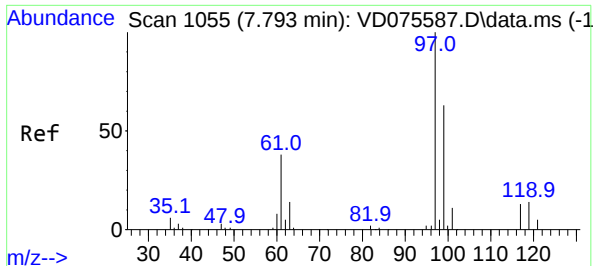
Tgt Ion: 62 Resp: 4429
Ion Ratio Lower Upper
62 100
98 15.6 10.5 15.7



#29
Cyclohexane
Concen: 1.058 ug/L
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

Tgt Ion: 56 Resp: 3734
Ion Ratio Lower Upper
56 100
69 25.5 28.3 42.5#
84 92.6 91.1 136.7

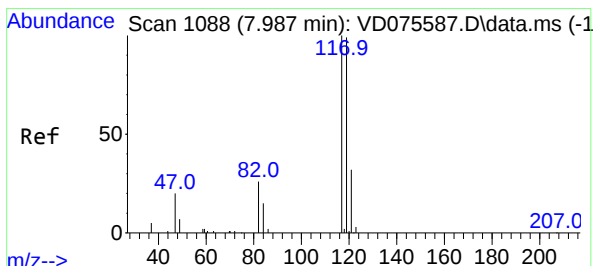
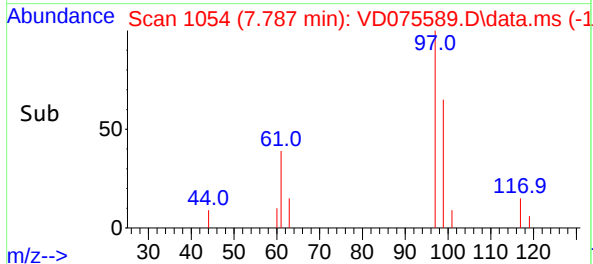
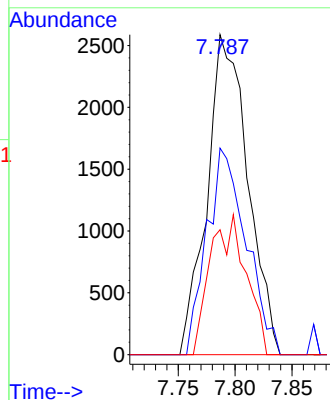
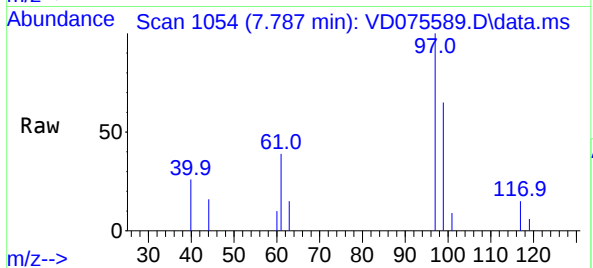




#30
1,1,1-Trichloroethane
Concen: 1.137 ug/L
RT: 7.787 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

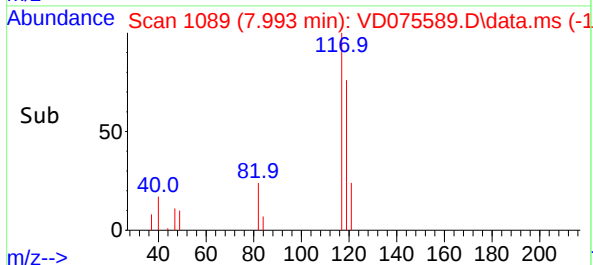
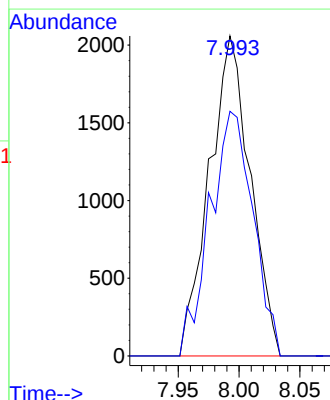
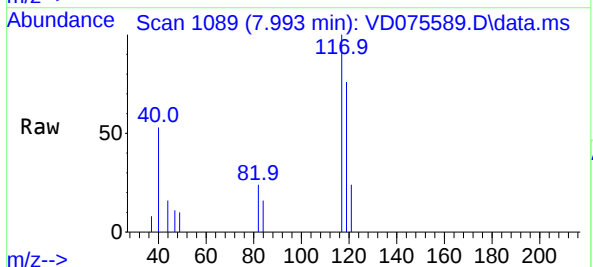
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-02

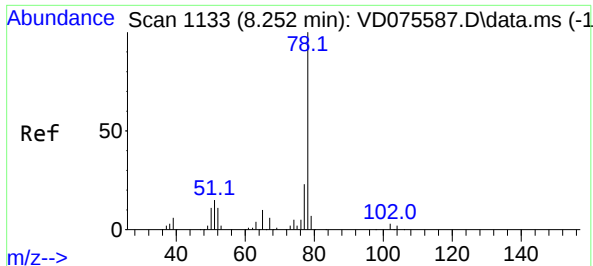
Tgt Ion: 97 Resp: 6473
Ion Ratio Lower Upper
97 100
99 62.3 51.4 77.2
61 20.1 32.2 48.2#



#31
Carbon tetrachloride
Concen: 1.047 ug/L
RT: 7.993 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

Tgt Ion: 117 Resp: 4813
Ion Ratio Lower Upper
117 100
119 80.5 76.4 114.6

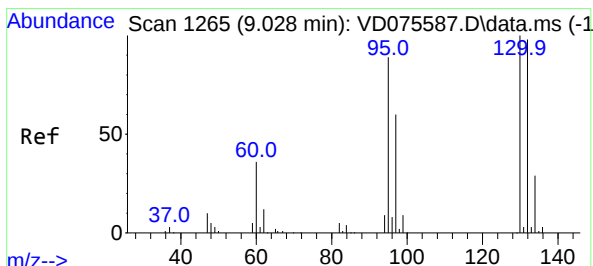
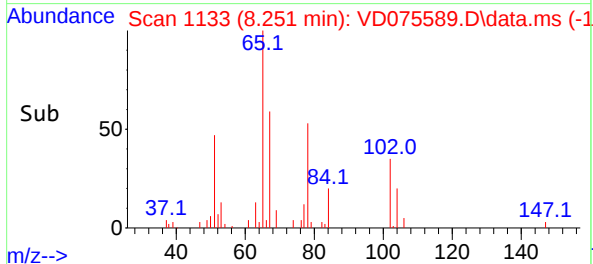
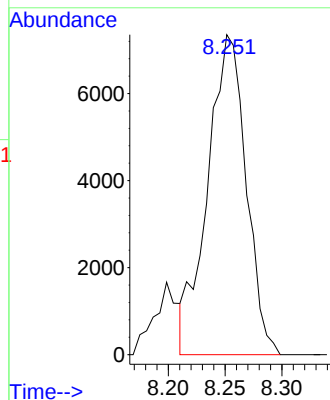
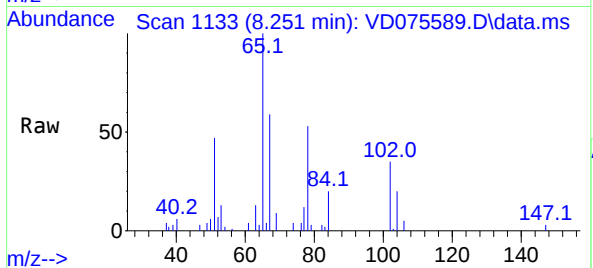




#33
Benzene
Concen: 1.166 ug/L
RT: 8.251 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-02

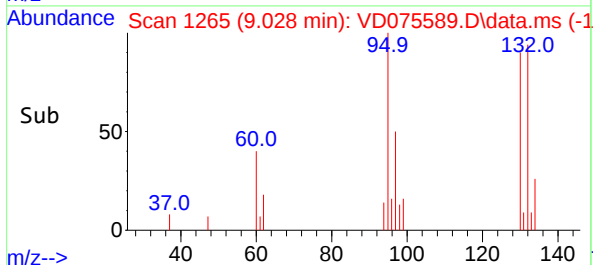
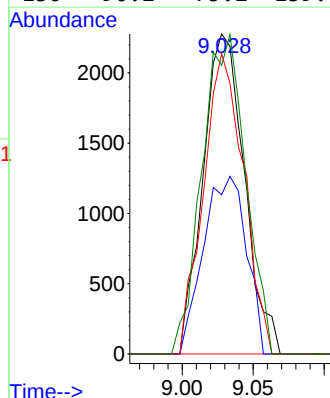
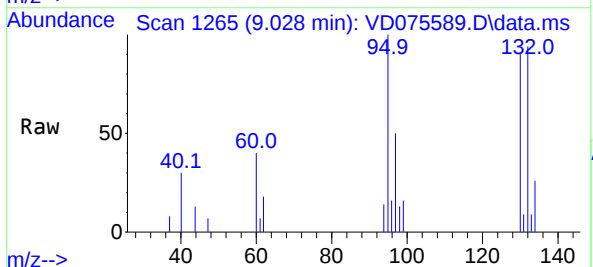
Tgt Ion: 78 Resp: 17347

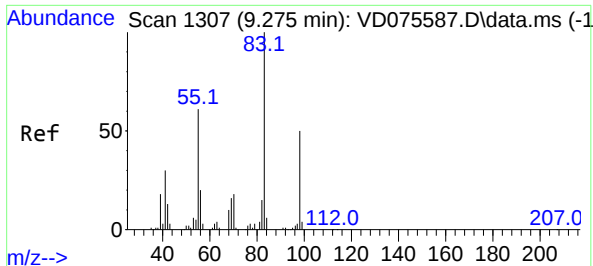


#34
Trichloroethene
Concen: 1.106 ug/L
RT: 9.028 min Scan# 1265
Delta R.T. 0.000 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

Tgt Ion: 95 Resp: 4611

Ion	Ratio	Lower	Upper
95	100		
97	49.8	47.0	87.2
132	93.9	71.2	132.2
130	90.2	75.2	139.6

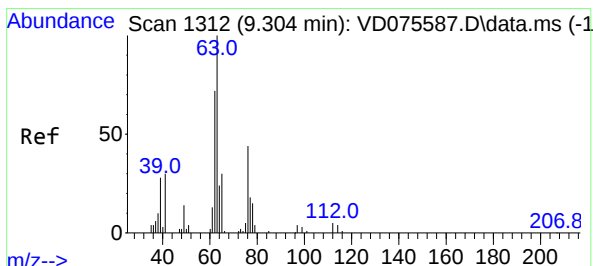
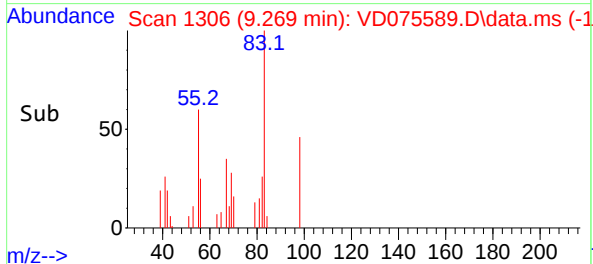
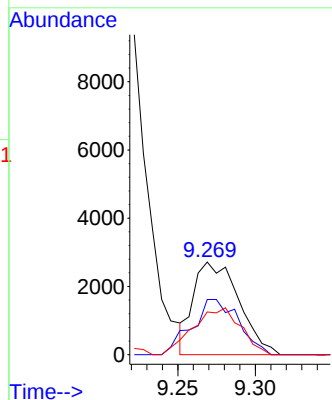
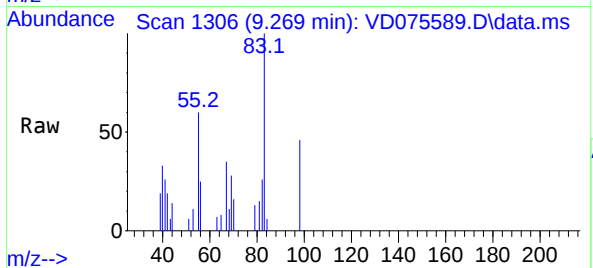




#35
Methylcyclohexane
Concen: 1.014 ug/L
RT: 9.269 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

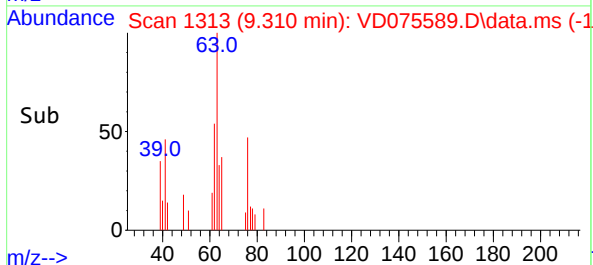
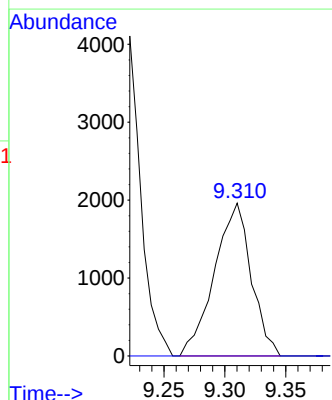
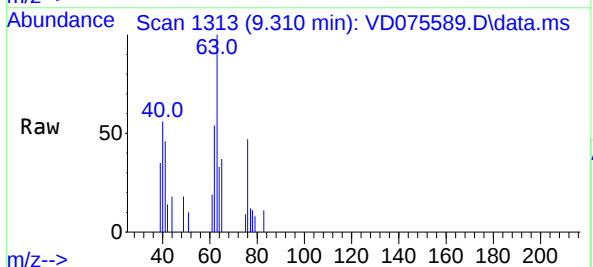
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-02

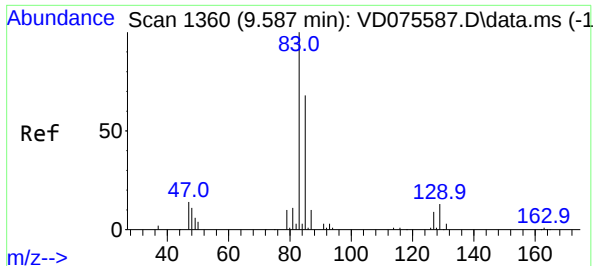
Tgt Ion:	83	Resp:	5525
Ion	Ratio	Lower	Upper
83	100		
55	50.8	46.9	70.3
98	52.9	40.8	61.2



#37
1,2-Dichloropropane
Concen: 1.181 ug/L
RT: 9.310 min Scan# 1313
Delta R.T. 0.006 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

Tgt Ion:	63	Resp:	4133
Ion	Ratio	Lower	Upper
63	100		
112	0.0	4.7	7.1#

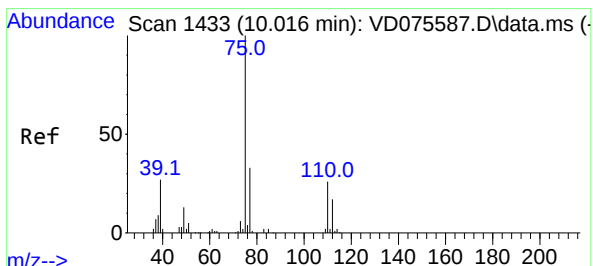
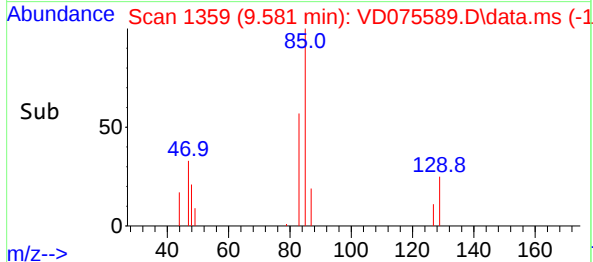
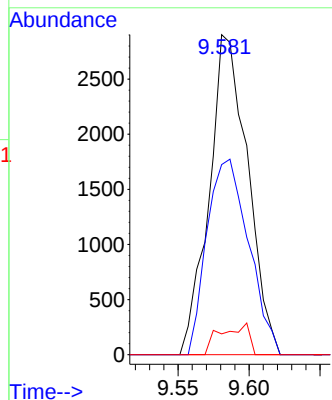
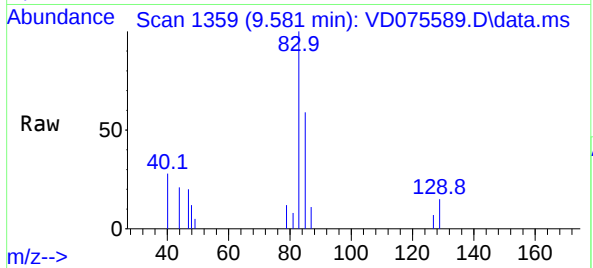




#38
Bromodichloromethane
Concen: 1.099 ug/L
RT: 9.581 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

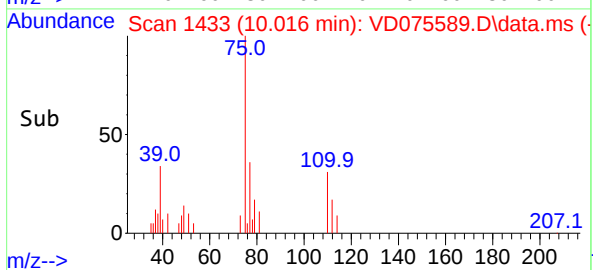
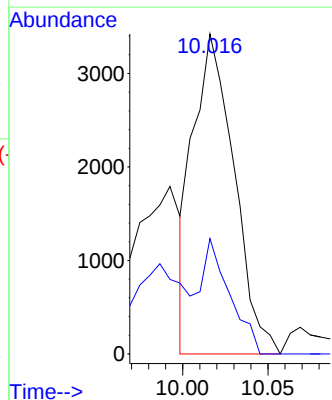
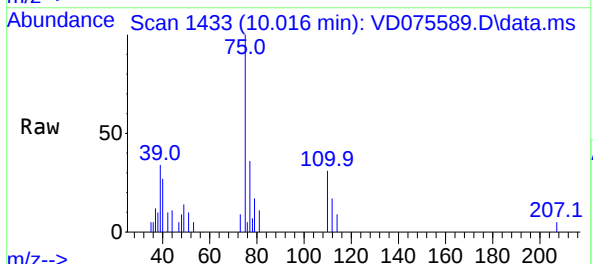
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-02

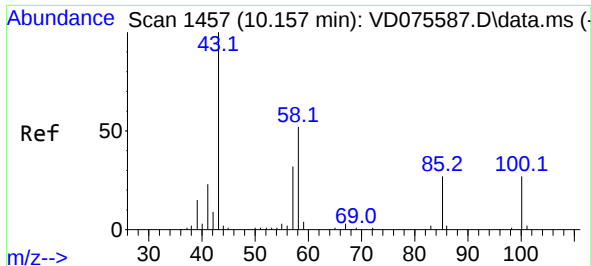
Tgt Ion: 83 Resp: 5480
Ion Ratio Lower Upper
83 100
85 59.4 45.1 83.9
127 6.5 6.8 10.2#



#39
cis-1,3-Dichloropropene
Concen: 1.031 ug/L
RT: 10.016 min Scan# 1433
Delta R.T. 0.000 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

Tgt Ion: 75 Resp: 5720
Ion Ratio Lower Upper
75 100
77 36.1 22.5 41.7

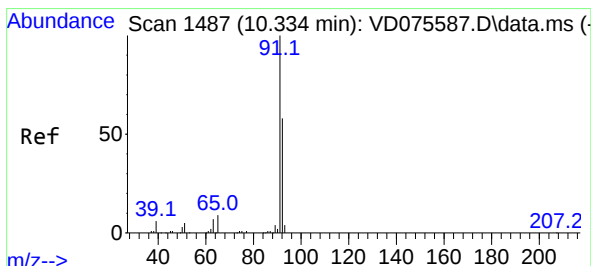
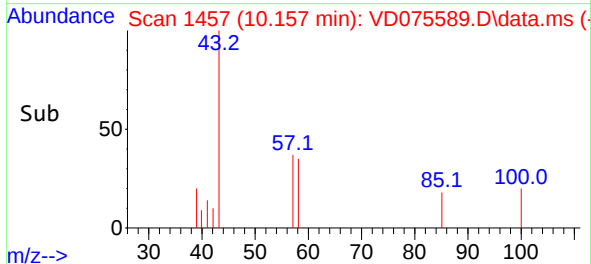
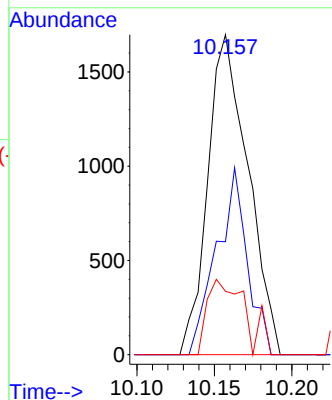
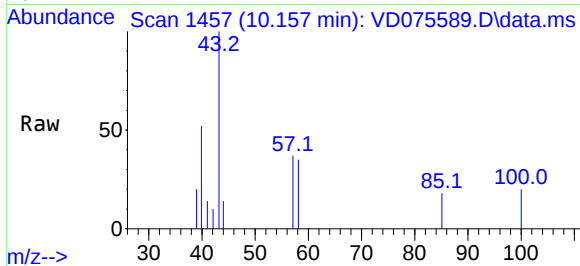




#40
4-Methyl-2-pentanone
Concen: 2.338 ug/L
RT: 10.157 min Scan# 1457
Delta R.T. -0.006 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

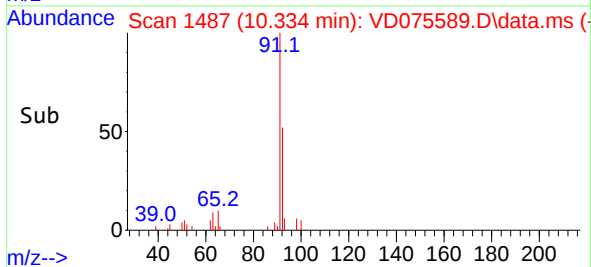
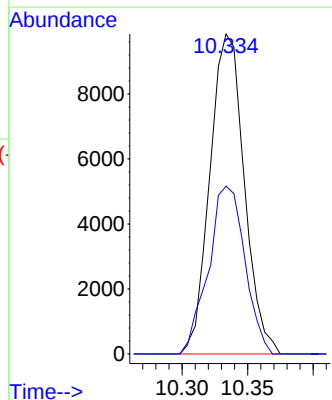
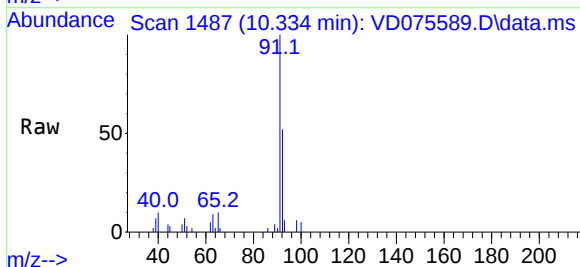
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT1-2023-02

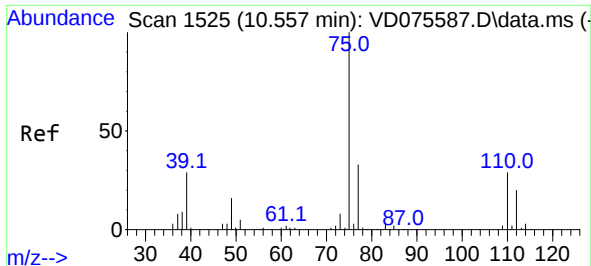
Tgt Ion: 43 Resp: 3067
Ion Ratio Lower Upper
43 100
58 44.6 39.4 59.0
100 3.9 20.3 30.5#



#42
Toluene
Concen: 1.085 ug/L
RT: 10.334 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

Tgt Ion: 91 Resp: 17934
Ion Ratio Lower Upper
91 100
92 52.5 39.1 72.7

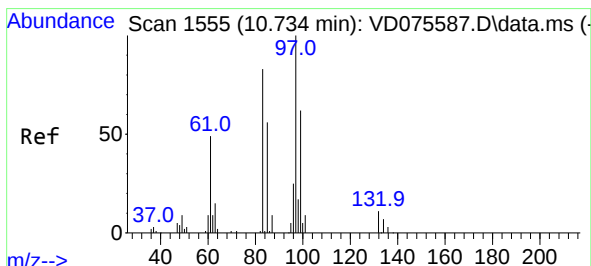
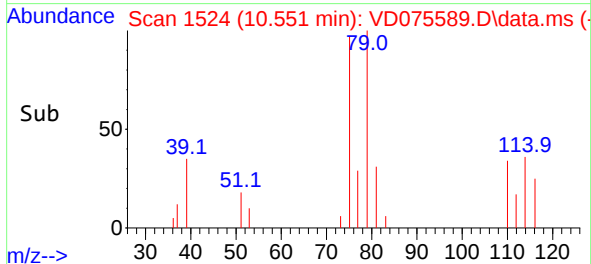
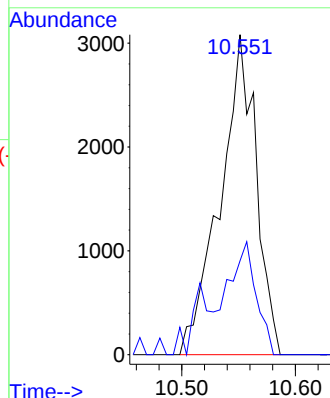
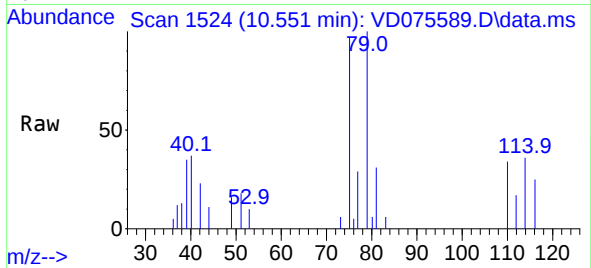




#44
trans-1,3-Dichloropropene
Concen: 1.438 ug/L
RT: 10.551 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

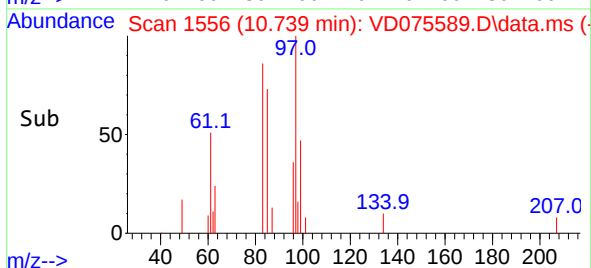
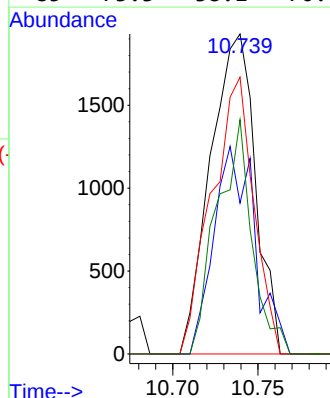
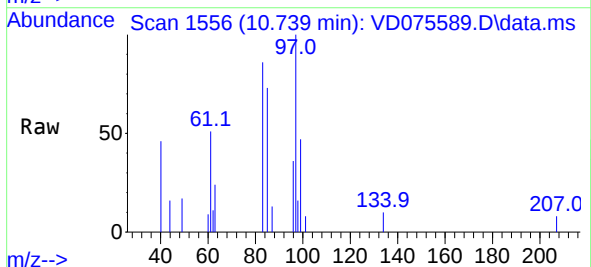
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-02

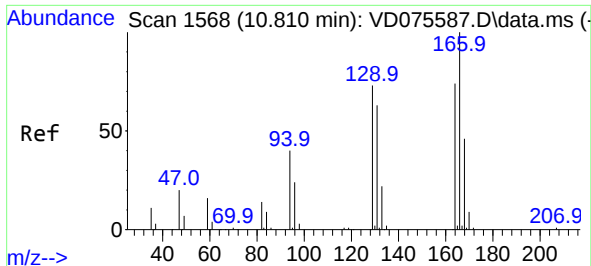
Tgt Ion: 75 Resp: 6783
Ion Ratio Lower Upper
75 100
77 29.4 22.1 41.1



#45
1,1,2-Trichloroethane
Concen: 1.103 ug/L
RT: 10.739 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

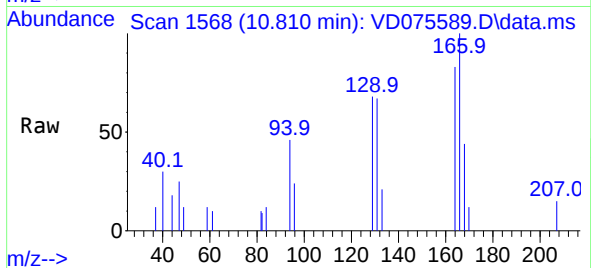
Tgt Ion: 97 Resp: 3542
Ion Ratio Lower Upper
97 100
99 47.2 46.4 86.2
83 86.5 57.1 106.1
85 73.3 38.1 70.7#



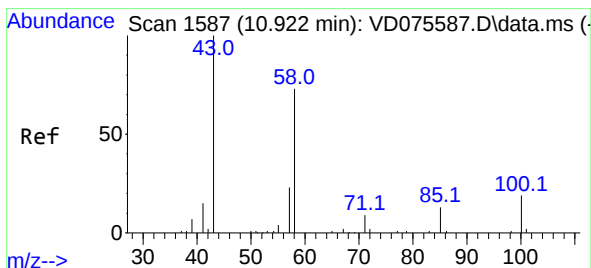
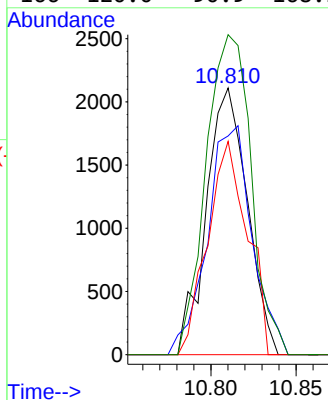
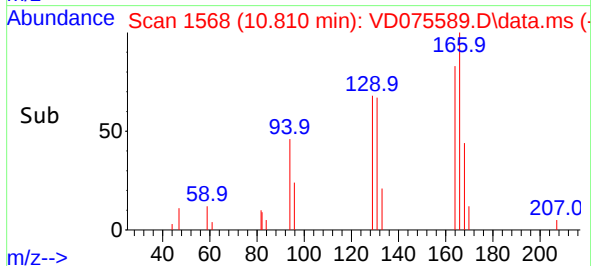


#46
Tetrachloroethene
Concen: 1.082 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

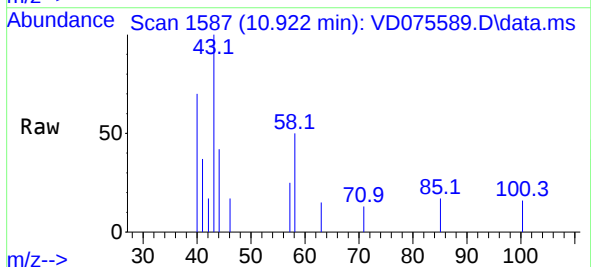
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-02



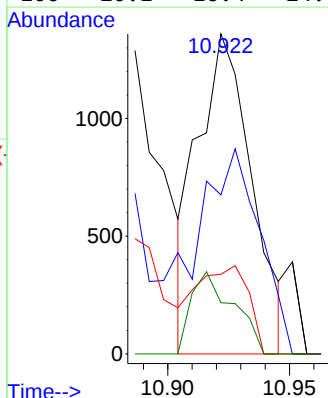
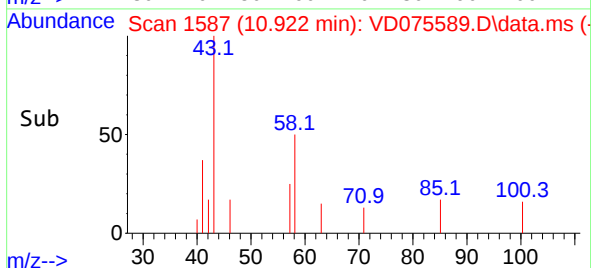
Tgt Ion:164 Resp: 3533
Ion Ratio Lower Upper
164 100
129 82.0 64.8 120.3
131 80.0 61.7 114.7
166 120.0 90.9 168.9

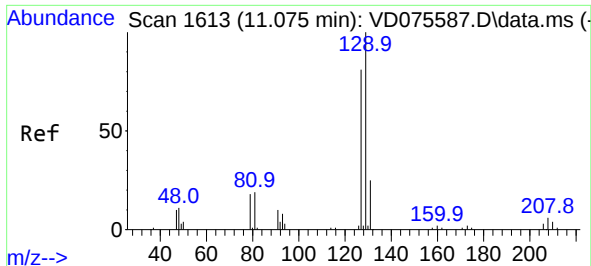


#48
2-Hexanone
Concen: 2.371 ug/L
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56



Tgt Ion: 43 Resp: 2096
Ion Ratio Lower Upper
43 100
58 61.6 55.8 83.6
57 26.5 18.6 27.8
100 20.1 16.4 24.6





#49

Dibromochloromethane

Concen: 1.077 ug/L

RT: 11.075 min Scan# 1613

Delta R.T. 0.000 min

Lab File: VD075589.D

Acq: 06 Apr 2023 11:56

Instrument :

MSVOA_D

ClientSampleId :

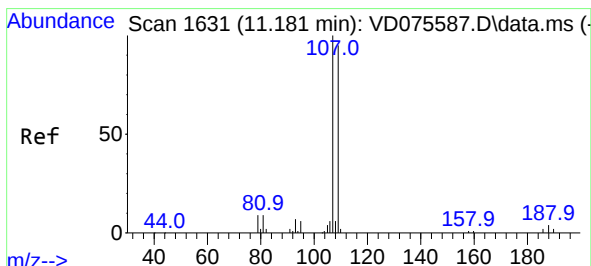
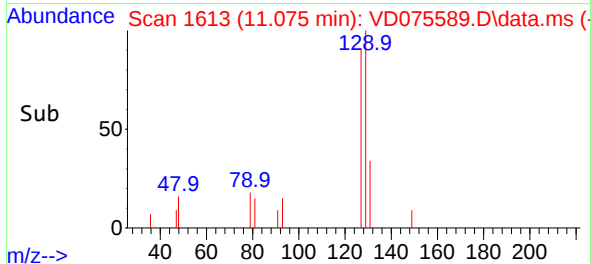
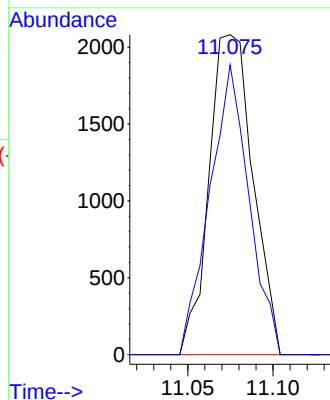
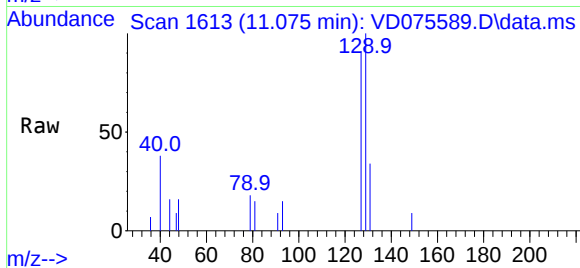
MDL-SOIL-QT1-2023-02

Tgt Ion:129 Resp: 3745

Ion Ratio Lower Upper

129 100

127 90.5 54.5 101.1



#50

1,2-Dibromoethane

Concen: 1.031 ug/L

RT: 11.181 min Scan# 1631

Delta R.T. 0.000 min

Lab File: VD075589.D

Acq: 06 Apr 2023 11:56

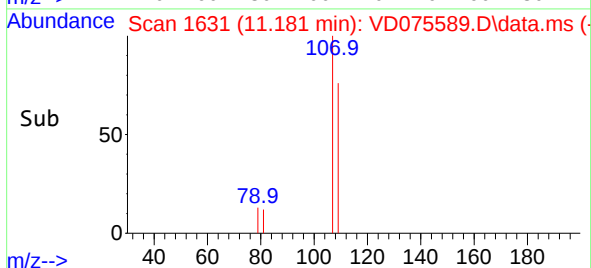
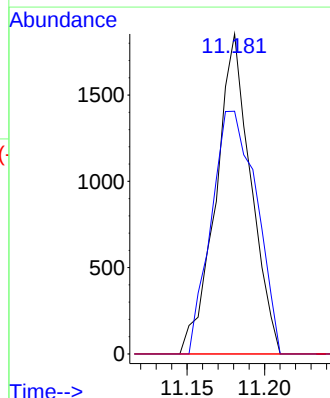
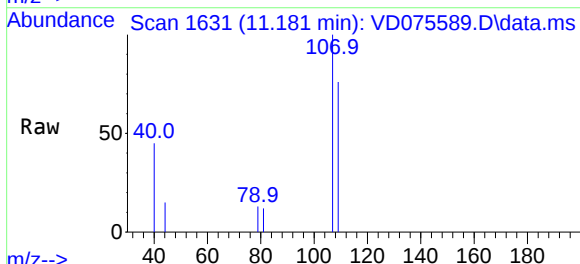
Tgt Ion:107 Resp: 2902

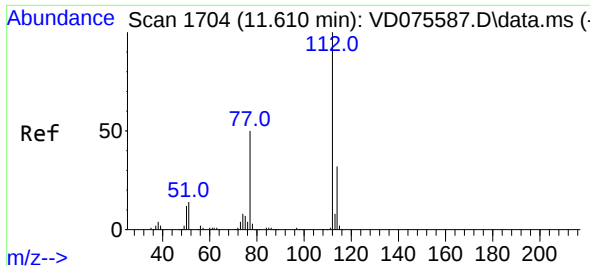
Ion Ratio Lower Upper

107 100

109 75.8 64.8 120.3

188 0.0 3.4 5.0#

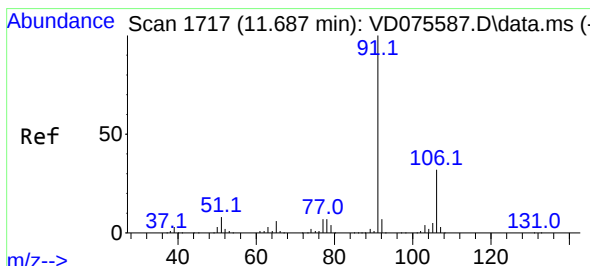
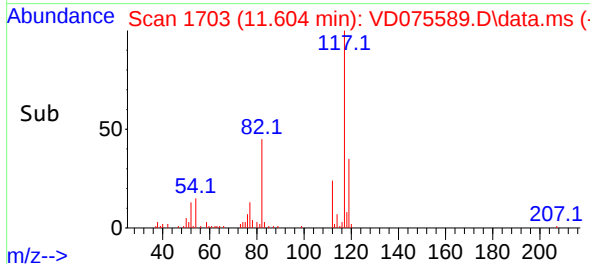
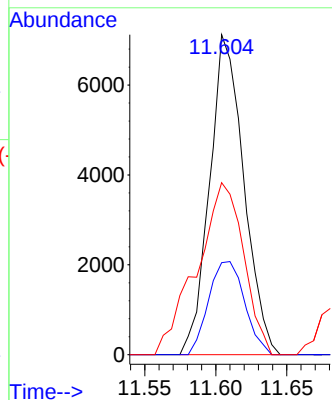
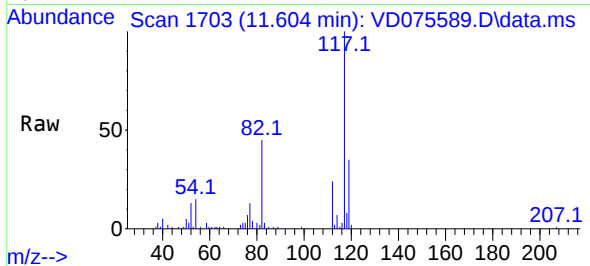




#51
Chlorobenzene
Concen: 1.071 ug/L
RT: 11.604 min Scan# 1171
Delta R.T. -0.006 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

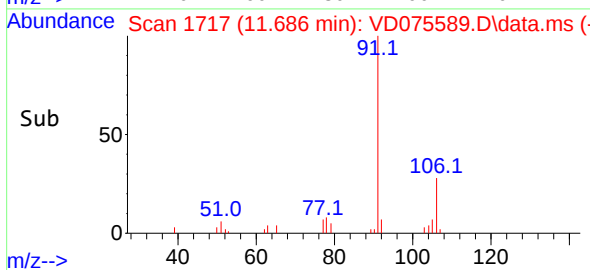
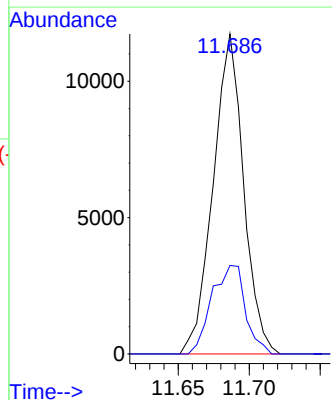
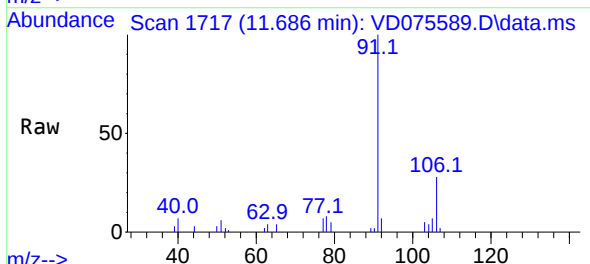
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-02

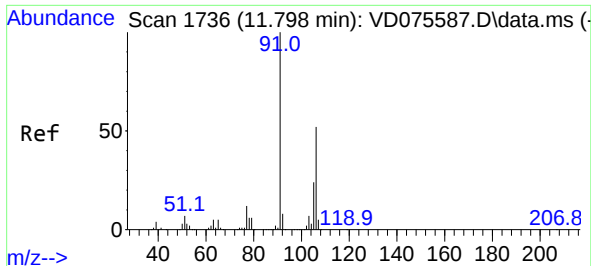
Tgt Ion:112 Resp: 11922
Ion Ratio Lower Upper
112 100
114 28.8 21.1 39.1
77 53.7 37.8 56.6



#52
Ethylbenzene
Concen: 1.008 ug/L
RT: 11.686 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

Tgt Ion: 91 Resp: 17516
Ion Ratio Lower Upper
91 100
106 27.7 23.2 43.2

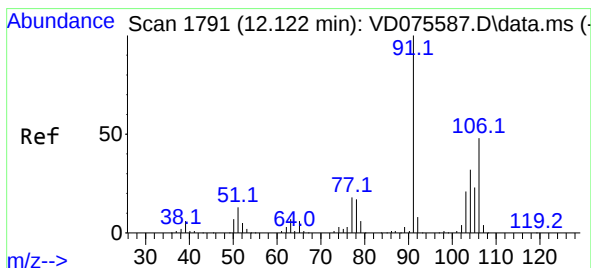
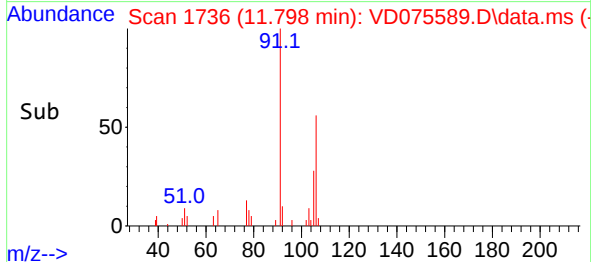
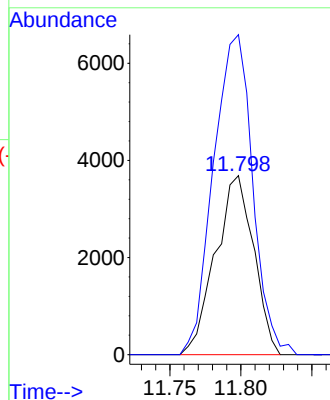
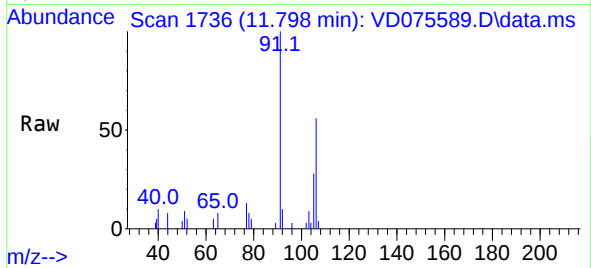




#53
m,p-Xylene
Concen: 1.013 ug/L
RT: 11.798 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

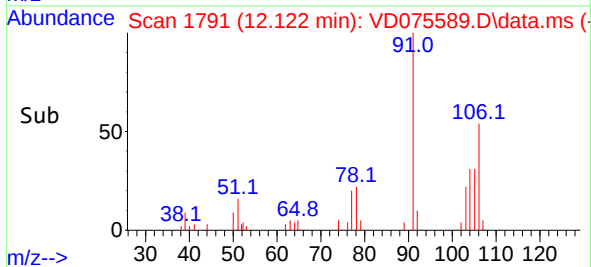
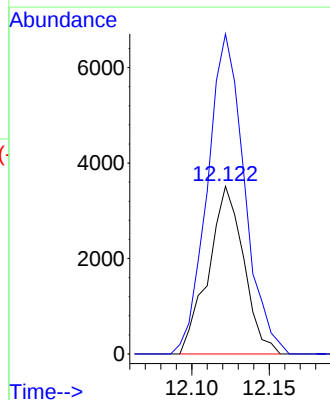
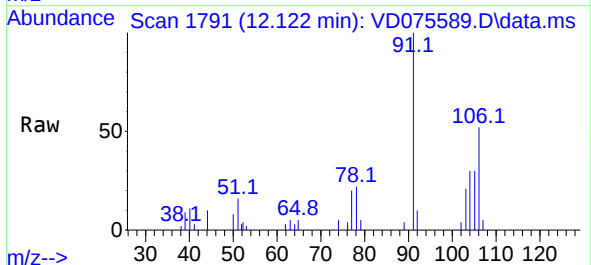
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-02

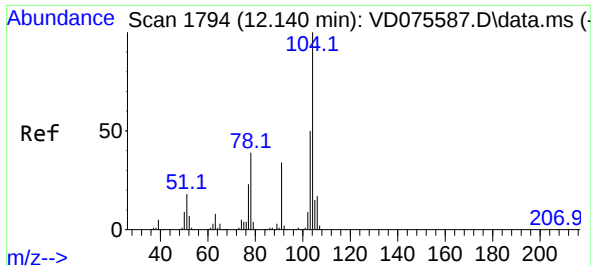
Tgt Ion:106 Resp: 6902
Ion Ratio Lower Upper
106 100
91 178.8 126.7 235.3



#54
o-Xylene
Concen: 0.855 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

Tgt Ion:106 Resp: 5548
Ion Ratio Lower Upper
106 100
91 190.8 138.3 256.9

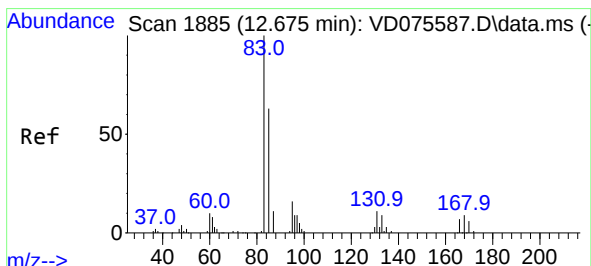
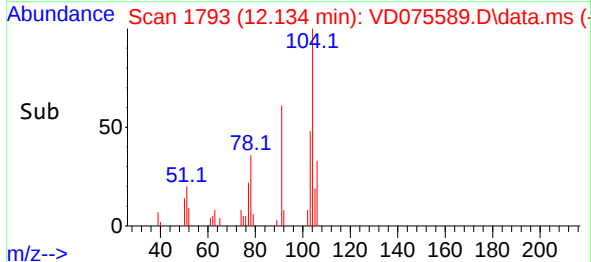
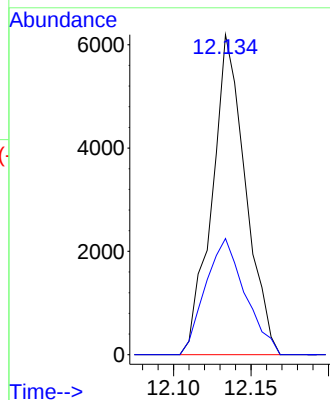
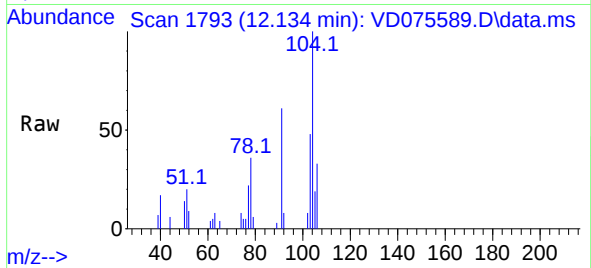




#55
Styrene
Concen: 0.807 ug/L
RT: 12.134 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

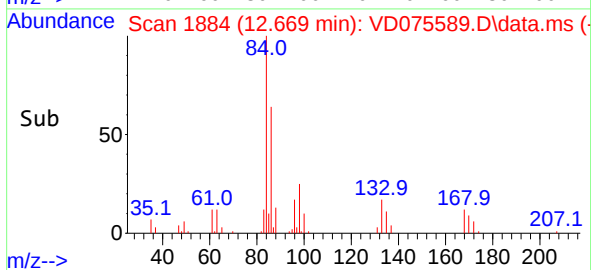
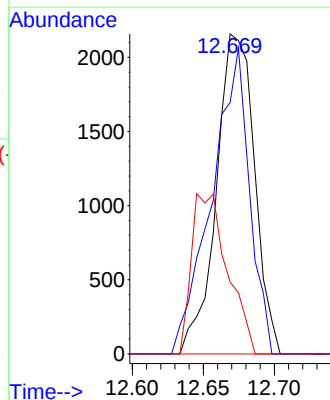
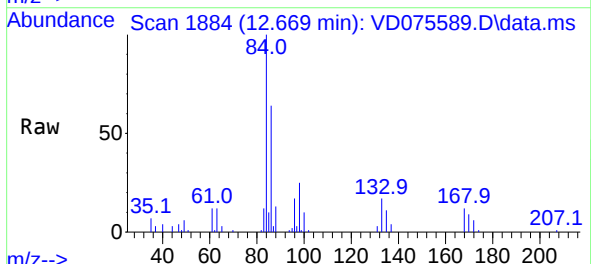
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-02

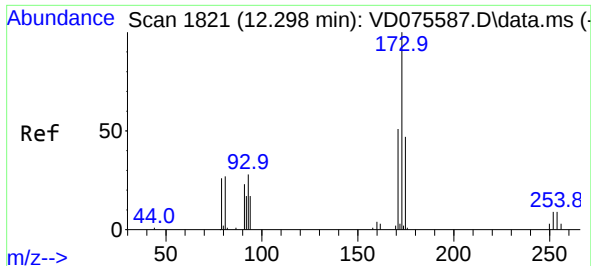
Tgt Ion:104 Resp: 9329
Ion Ratio Lower Upper
104 100
78 36.3 25.8 47.8



#57
1,1,2,2-Tetrachloroethane
Concen: 1.217 ug/L
RT: 12.669 min Scan# 1884
Delta R.T. -0.006 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

Tgt Ion: 83 Resp: 4032
Ion Ratio Lower Upper
83 100
85 78.6 48.7 90.5
131 22.4 9.3 13.9#





#59

Bromoform

Concen: 1.040 ug/L

RT: 12.298 min Scan# 1821

Delta R.T. -0.006 min

Lab File: VD075589.D

Acq: 06 Apr 2023 11:56

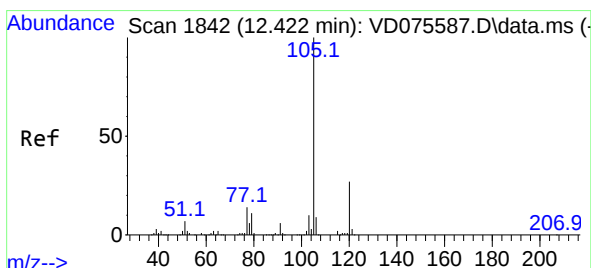
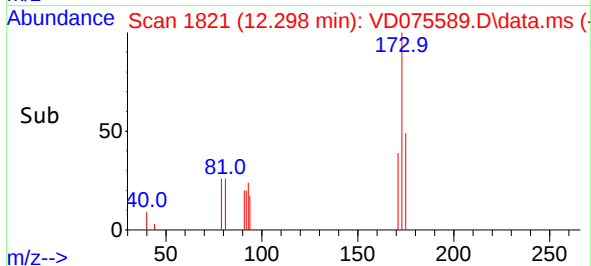
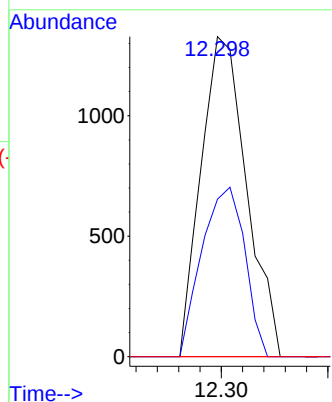
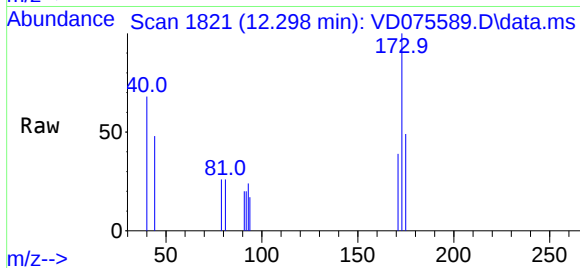
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT1-2023-02

Tgt Ion:	173	Resp:	1975
Ion	Ratio	Lower	Upper
173	100		
175	49.9	38.7	58.1
254	0.0	7.7	11.5#



#60

Isopropylbenzene

Concen: 0.917 ug/L

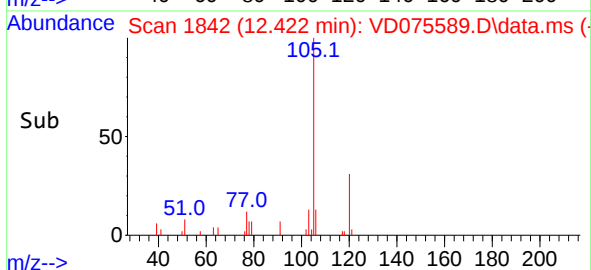
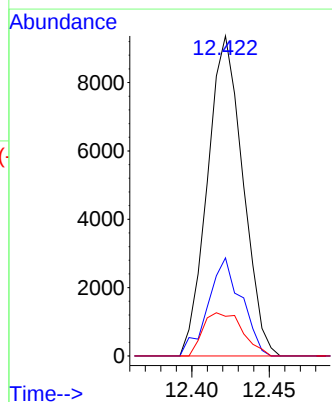
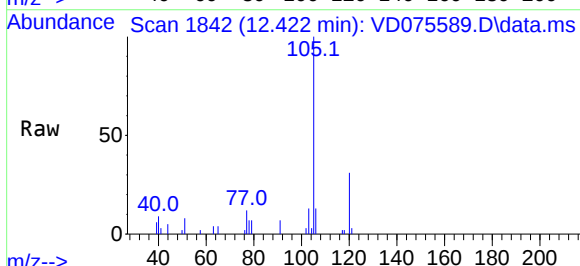
RT: 12.422 min Scan# 1842

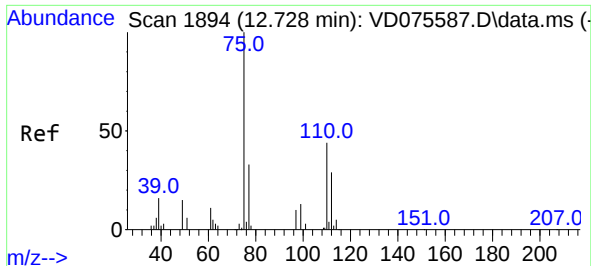
Delta R.T. 0.000 min

Lab File: VD075589.D

Acq: 06 Apr 2023 11:56

Tgt Ion:	105	Resp:	14878
Ion	Ratio	Lower	Upper
105	100		
120	28.9	22.5	33.7
77	15.1	10.7	16.1

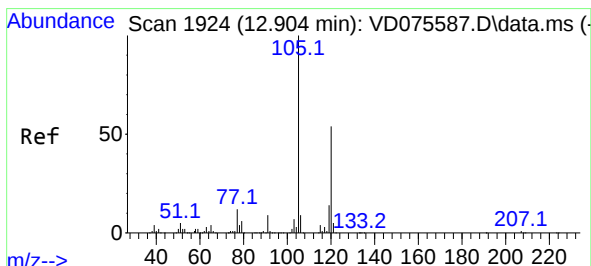
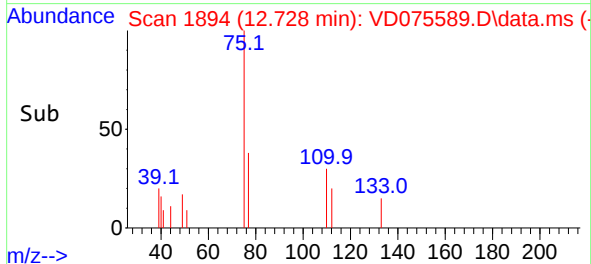
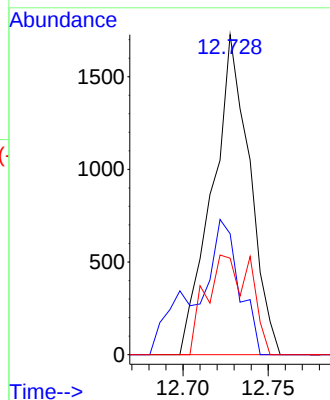
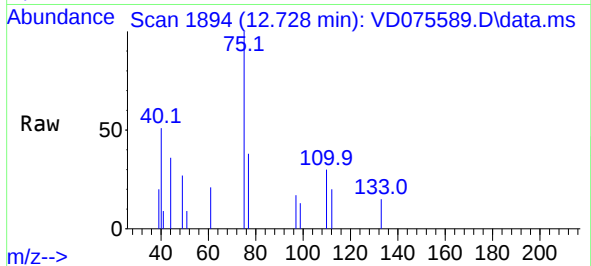




#61
1,2,3-Trichloropropane
Concen: 1.350 ug/L
RT: 12.728 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

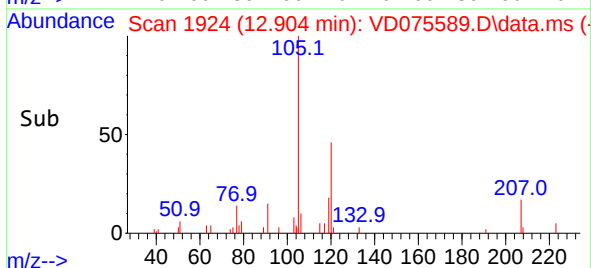
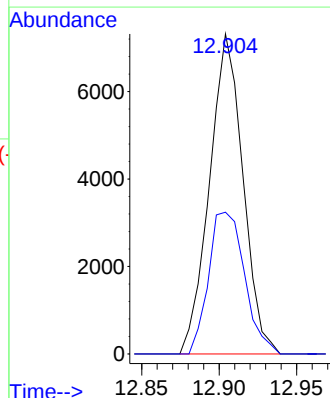
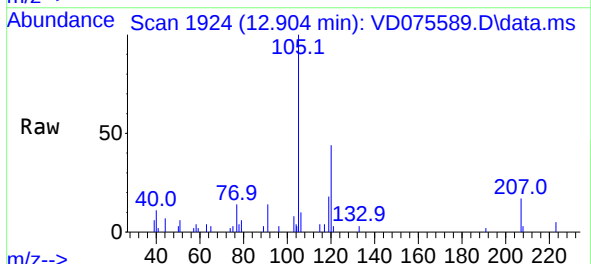
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-02

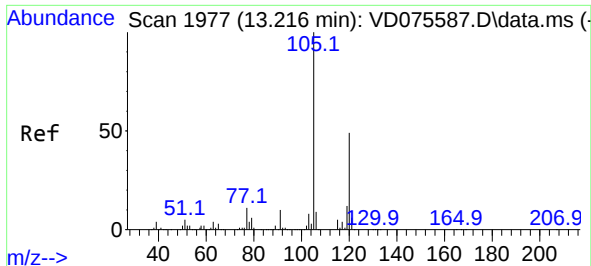
Tgt Ion:	75	Resp:	2624
Ion	Ratio	Lower	Upper
75	100		
77	35.5	25.7	38.5
110	27.2	35.9	53.9#



#62
1,3,5-Trimethylbenzene
Concen: 0.897 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. -0.006 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

Tgt Ion:	105	Resp:	10973
Ion	Ratio	Lower	Upper
105	100		
120	47.8	41.1	61.7

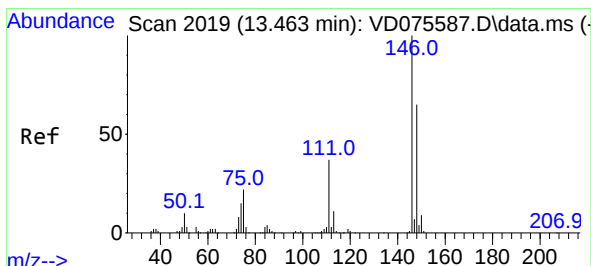
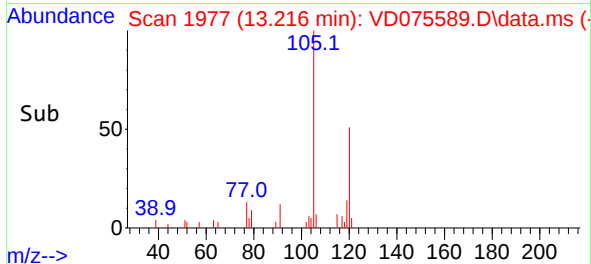
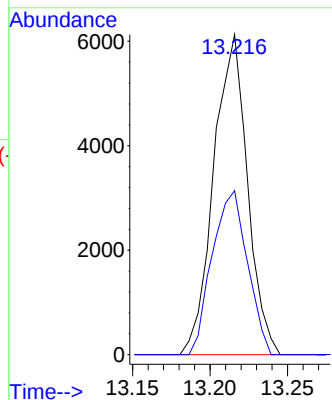
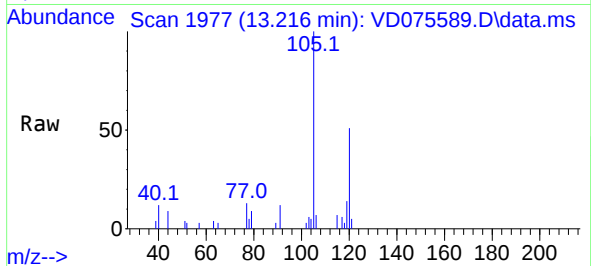




#63
1,2,4-Trimethylbenzene
Concen: 0.792 ug/L
RT: 13.216 min Scan# 1977
Delta R.T. 0.000 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

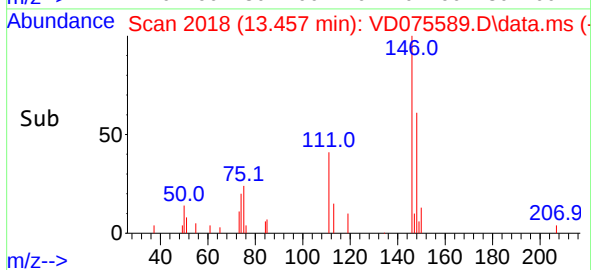
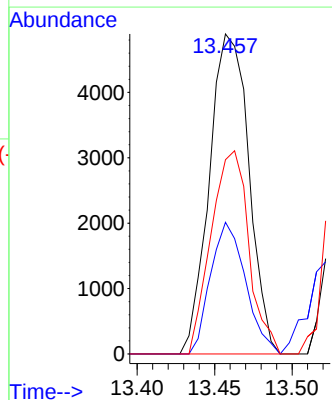
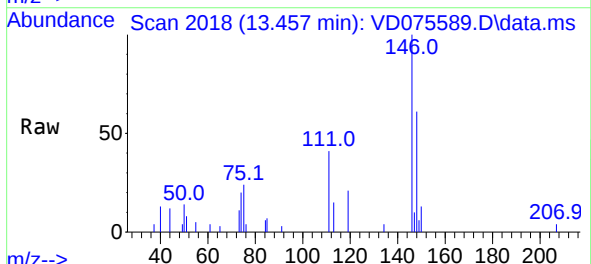
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-02

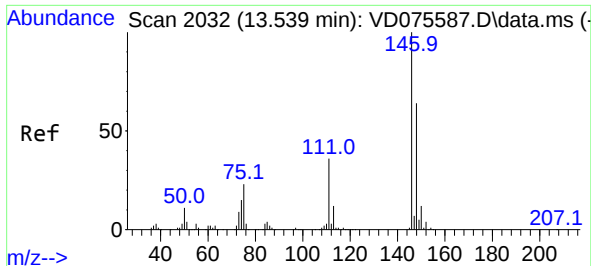
Tgt Ion:105 Resp: 9271
Ion Ratio Lower Upper
105 100
120 53.4 39.0 58.4



#64
1,3-Dichlorobenzene
Concen: 1.182 ug/L
RT: 13.457 min Scan# 2018
Delta R.T. -0.006 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

Tgt Ion:146 Resp: 8679
Ion Ratio Lower Upper
146 100
111 41.1 26.2 48.8
148 60.7 44.6 82.8

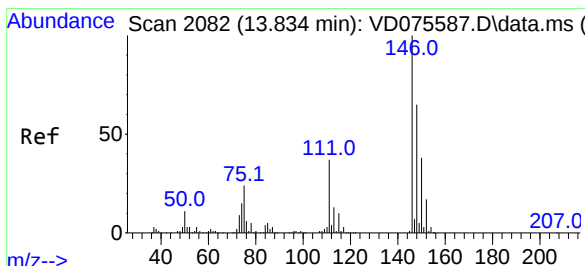
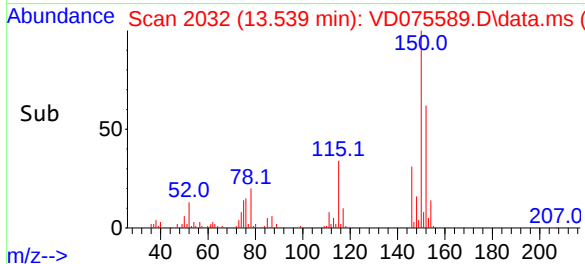
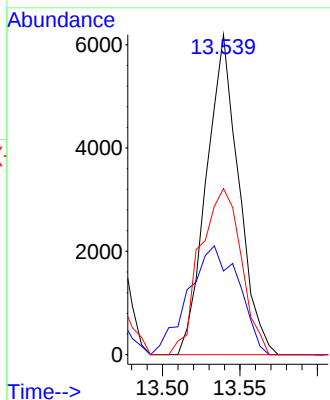
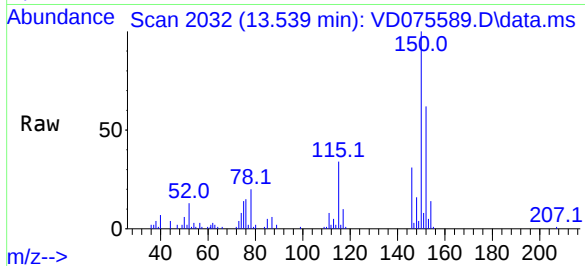




#65
1,4-Dichlorobenzene
Concen: 1.174 ug/L
RT: 13.539 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

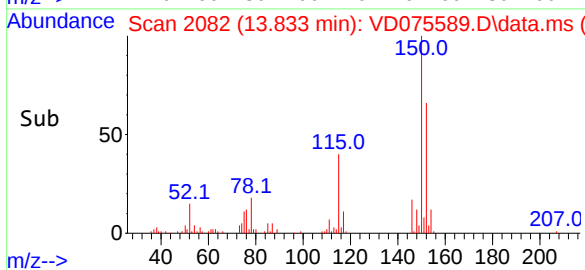
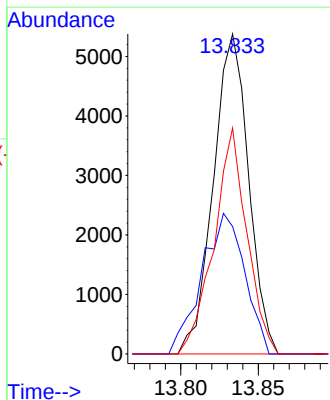
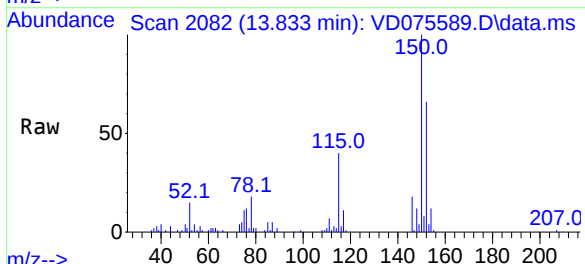
Instrument :
MSVOA_D
ClientSampleId :
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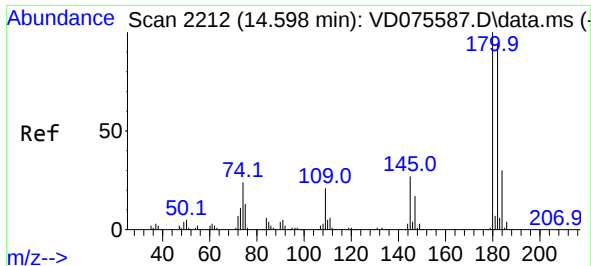
Tgt Ion:	146	Resp:	8995
Ion	Ratio	Lower	Upper
146	100		
111	26.1	26.0	48.4
148	51.9	44.3	82.3



#67
1,2-Dichlorobenzene
Concen: 1.279 ug/L
RT: 13.833 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

Tgt Ion:	146	Resp:	8504
Ion	Ratio	Lower	Upper
146	100		
111	39.8	31.3	46.9
148	70.6	52.8	79.2

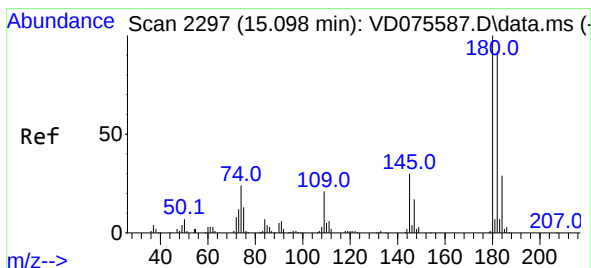
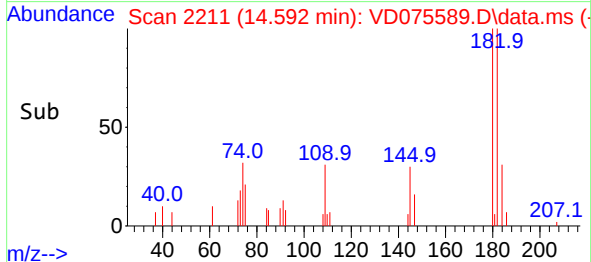
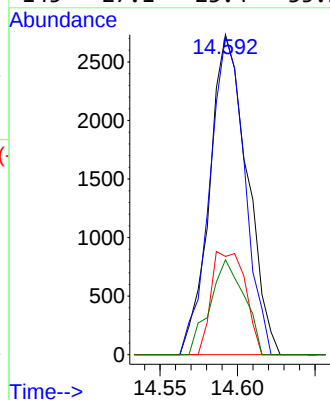
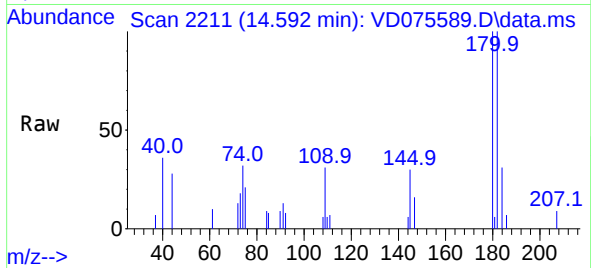




#69
1,3,5-Trichlorobenzene
Concen: 1.016 ug/L
RT: 14.592 min Scan# 211
Delta R.T. -0.006 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

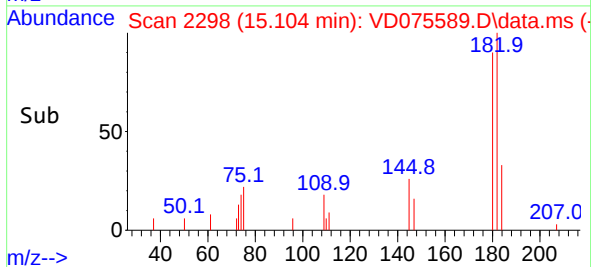
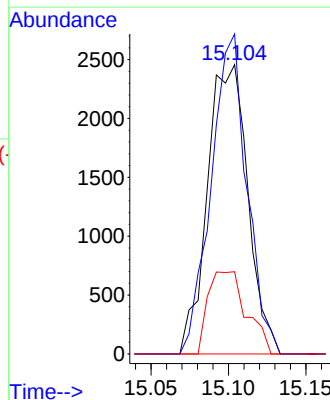
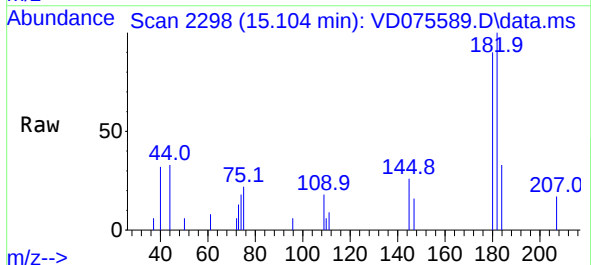
Instrument :
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ClientSampleId :
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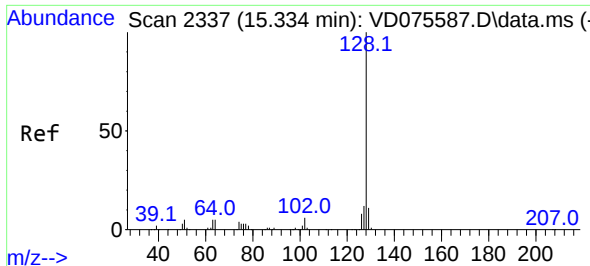
Tgt Ion:	180	Resp:	4603
Ion	Ratio	Lower	Upper
180	100		
182	92.4	76.9	115.3
184	29.2	24.6	36.8
145	27.1	23.4	35.2



#70
1,2,4-trichlorobenzene
Concen: 1.218 ug/L
RT: 15.104 min Scan# 2298
Delta R.T. 0.000 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

Tgt Ion:	180	Resp:	4466
Ion	Ratio	Lower	Upper
180	100		
182	97.4	74.2	111.2
145	25.2	22.9	34.3

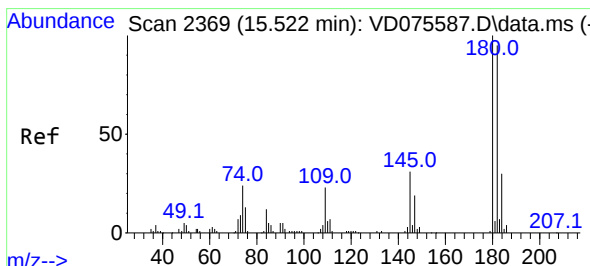
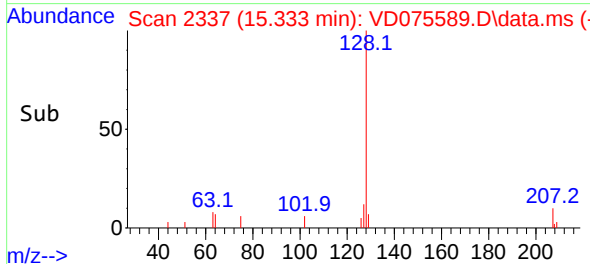
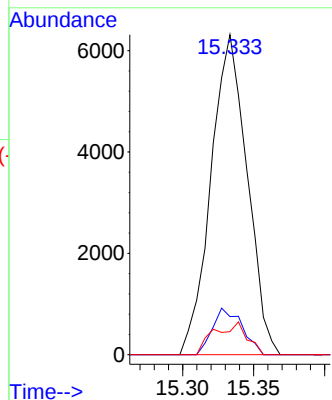
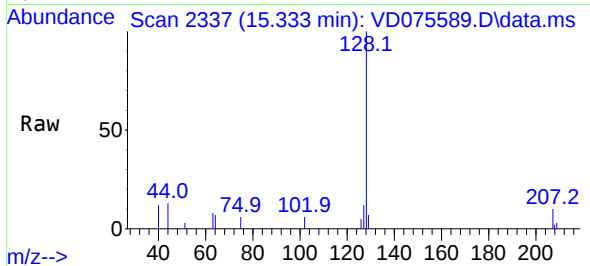




#71
Naphthalene
Concen: 1.652 ug/L
RT: 15.333 min Scan# 21197
Delta R.T. 0.000 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT1-2023-02

Tgt Ion:	128	Resp:	11197
Ion Ratio	Lower	Upper	
128	100		
127	11.9	10.3	15.5
129	5.2	8.5	12.7#



#72
1,2,3-Trichlorobenzene
Concen: 1.669 ug/L
RT: 15.522 min Scan# 2369
Delta R.T. 0.000 min
Lab File: VD075589.D
Acq: 06 Apr 2023 11:56

Tgt Ion:	180	Resp:	5482
Ion Ratio	Lower	Upper	
180	100		
182	90.2	75.4	113.0
145	21.7	25.2	37.8#

