

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040623\
 Data File : VD075590.D
 Acq On : 06 Apr 2023 12:25
 Operator : KP/SY
 Sample : 02215-03
 Misc : 5.00G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT2-2023-03

Quant Time: Apr 07 01:25:06 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	309781	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	282446	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	118912	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	182677	25.327	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 101.320%			
7) Chloroethane-d5	2.805	69	169014	26.334	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 105.320%			
11) 1,1-Dichloroethene-d2	3.922	63	136740	23.504	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 94.000%			
21) 2-Butanone-d5	6.993	46	27873	59.342	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 118.680%			
24) Chloroform-d	7.569	84	184485	25.260	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 101.040%			
26) 1,2-Dichloroethane-d4	8.228	65	81700	25.243	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 100.960%			
32) Benzene-d6	8.205	84	390436	23.645	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 94.560%			
36) 1,2-Dichloropropane-d6	9.210	67	110094	25.018	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 100.080%			
41) Toluene-d8	10.269	98	359336	23.208	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 92.840%			
43) trans-1,3-Dichloroprop...	10.528	79	43974	23.971	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 95.880%			
47) 2-Hexanone-d5	10.881	63	23582	45.285	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 90.580%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	86224	26.155	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 104.600%			
66) 1,2-Dichlorobenzene-d4	13.816	152	105694	25.911	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 103.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	3496	1.204	ug/L	91
3) Chloromethane	2.146	50	5442	1.432	ug/L	99
5) Vinyl chloride	2.281	62	8143	1.375	ug/L #	63
6) Bromomethane	2.699	94	5706	1.412	ug/L	90
8) Chloroethane	2.840	64	5165	1.252	ug/L	93
9) Trichlorofluoromethane	3.175	101	6845	1.330	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	3.970	101	3291	0.920	ug/L #	42
12) 1,1-Dichloroethene	3.940	96	5206	1.762	ug/L #	1
13) Acetone	4.028	43	1439	2.921	ug/L	96
14) Carbon disulfide	4.275	76	11373	1.609	ug/L #	95
15) Methyl Acetate	4.575	43	890	1.078	ug/L #	39
16) Methylene chloride	4.811	84	5517	1.296	ug/L	94
17) trans-1,2-Dichloroethene	5.328	96	1345	0.429	ug/L	86
18) Methyl tert-butyl Ether	5.322	73	2820	0.473	ug/L #	84
19) 1,1-Dichloroethane	6.105	63	6352	1.181	ug/L #	93
20) cis-1,2-Dichloroethene	7.081	96	4283	1.163	ug/L	94
22) 2-Butanone	7.087	43	944	1.609	ug/L	68
23) Bromochloromethane	7.422	128	1193	0.687	ug/L	79
25) Chloroform	7.599	83	8184	1.271	ug/L	89

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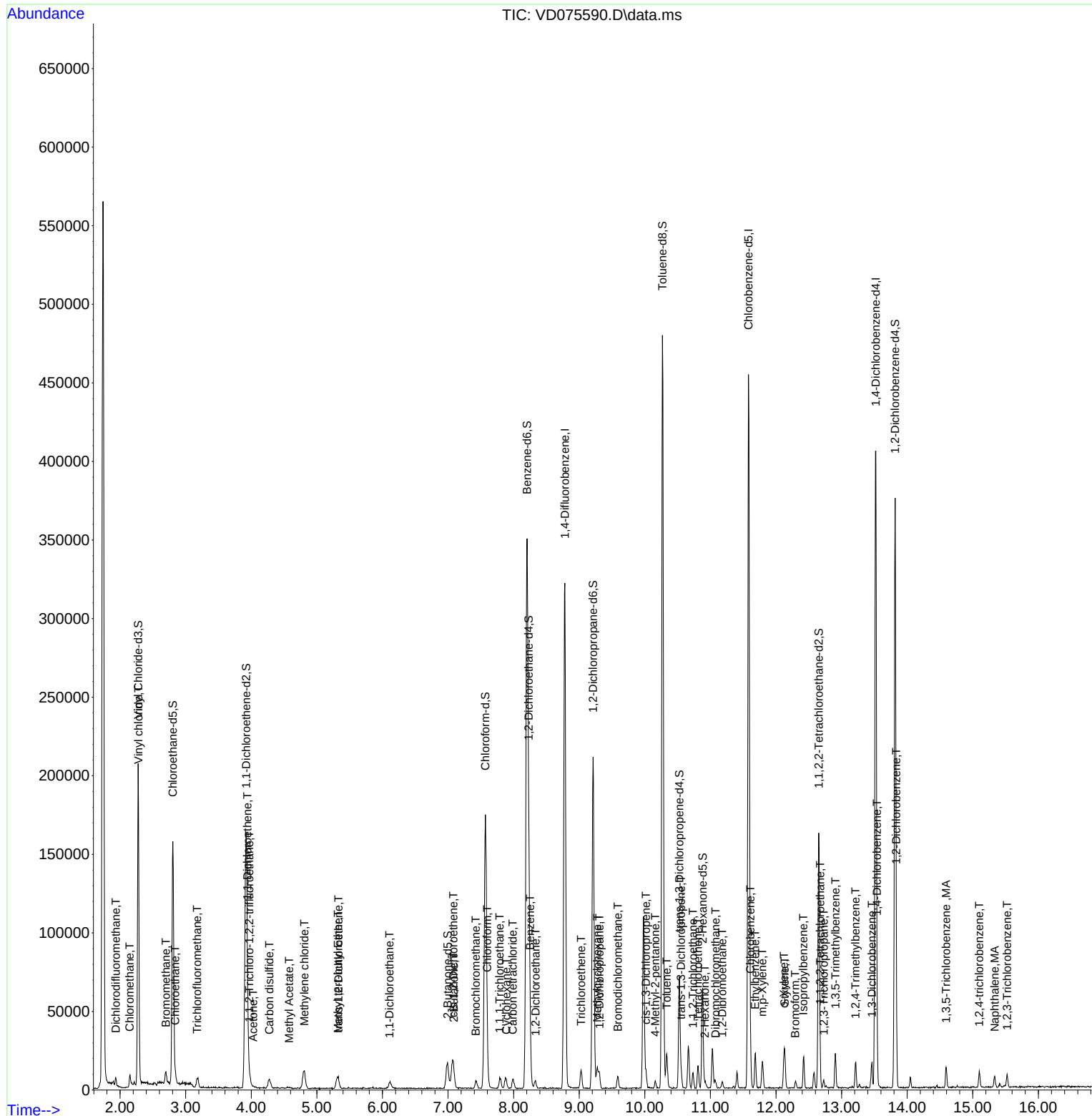
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.334	62	3947	1.186	ug/L	98
29) Cyclohexane	7.887	56	3146	0.913	ug/L #	77
30) 1,1,1-Trichloroethane	7.787	97	3815	0.686	ug/L	86
31) Carbon tetrachloride	7.987	117	4493	1.000	ug/L	92
33) Benzene	8.252	78	15158	1.043	ug/L	100
34) Trichloroethene	9.028	95	3990	0.980	ug/L	95
35) Methylcyclohexane	9.275	83	5408	1.015	ug/L #	90
37) 1,2-Dichloropropane	9.310	63	3738	1.093	ug/L #	89
38) Bromodichloromethane	9.587	83	5163	1.060	ug/L #	95
39) cis-1,3-Dichloropropene	10.016	75	5326	0.982	ug/L	92
40) 4-Methyl-2-pentanone	10.157	43	2476	1.932	ug/L #	88
42) Toluene	10.334	91	16820	1.042	ug/L	98
44) trans-1,3-Dichloropropene	10.552	75	6938	1.505	ug/L	99
45) 1,1,2-Trichloroethane	10.734	97	3478	1.108	ug/L #	86
46) Tetrachloroethene	10.810	164	3714	1.165	ug/L #	72
48) 2-Hexanone	10.916	43	2152	2.491	ug/L #	33
49) Dibromochloromethane	11.081	129	3632	1.069	ug/L	85
50) 1,2-Dibromoethane	11.181	107	3025	1.100	ug/L #	83
51) Chlorobenzene	11.610	112	11531	1.060	ug/L	93
52) Ethylbenzene	11.681	91	16249	0.957	ug/L	92
53) m,p-Xylene	11.793	106	5526	0.830	ug/L	93
54) o-Xylene	12.122	106	4892	0.772	ug/L	97
55) Styrene	12.134	104	8699	0.770	ug/L	88
57) 1,1,2,2-Tetrachloroethane	12.675	83	3692	1.140	ug/L #	82
59) Bromoform	12.293	173	1805	0.982	ug/L #	84
60) Isopropylbenzene	12.416	105	13342	0.850	ug/L	97
61) 1,2,3-Trichloropropane	12.728	75	2102	1.117	ug/L	92
62) 1,3,5-Trimethylbenzene	12.904	105	10637	0.898	ug/L	98
63) 1,2,4-Trimethylbenzene	13.210	105	9294	0.821	ug/L	97
64) 1,3-Dichlorobenzene	13.463	146	7581	1.066	ug/L	89
65) 1,4-Dichlorobenzene	13.540	146	8790	1.185	ug/L	88
67) 1,2-Dichlorobenzene	13.834	146	7264	1.128	ug/L #	80
69) 1,3,5-Trichlorobenzene	14.593	180	4695	1.071	ug/L	97
70) 1,2,4-trichlorobenzene	15.098	180	3638	1.025	ug/L	91
71) Naphthalene	15.334	128	6993	1.066	ug/L	98
72) 1,2,3-Trichlorobenzene	15.522	180	3505	1.102	ug/L	89

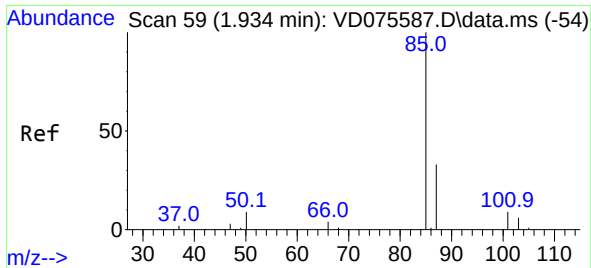
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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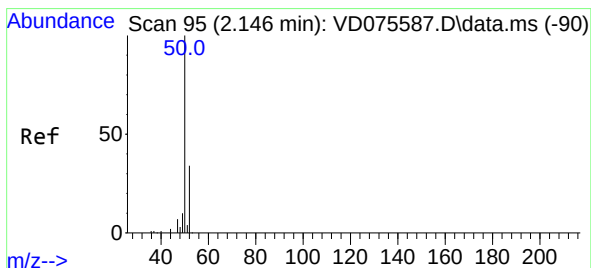
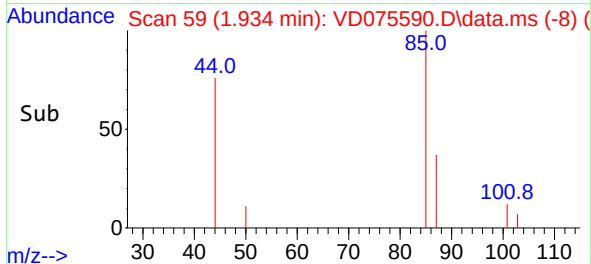
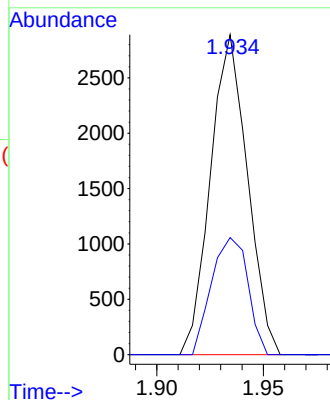
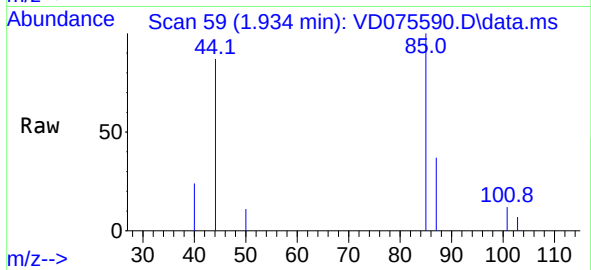




#2
Dichlorodifluoromethane
Concen: 1.204 ug/L
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

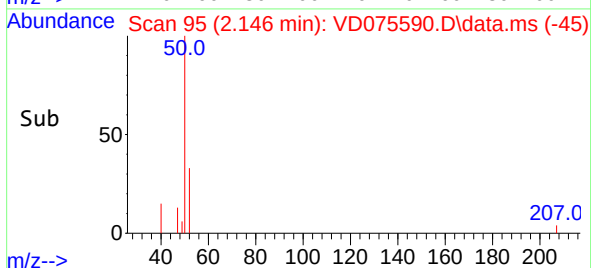
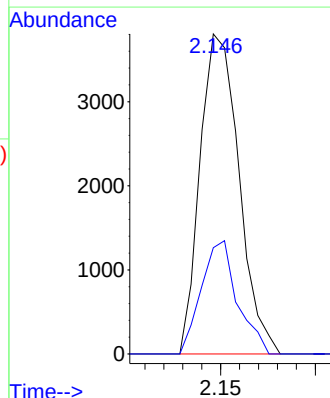
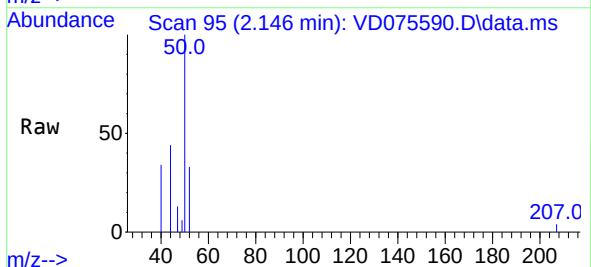
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT2-2023-03

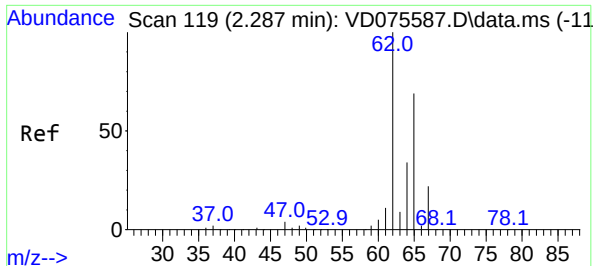
Tgt Ion: 85 Resp: 3496
Ion Ratio Lower Upper
85 100
87 35.9 25.0 37.4



#3
Chloromethane
Concen: 1.432 ug/L
RT: 2.146 min Scan# 95
Delta R.T. -0.006 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

Tgt Ion: 50 Resp: 5442
Ion Ratio Lower Upper
50 100
52 33.2 22.7 42.1

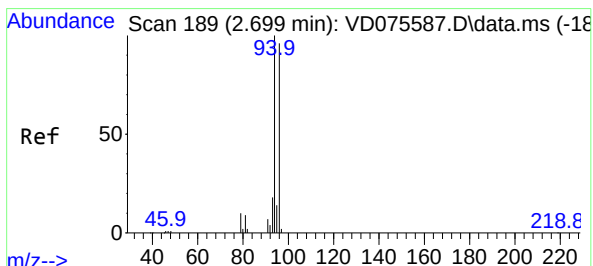
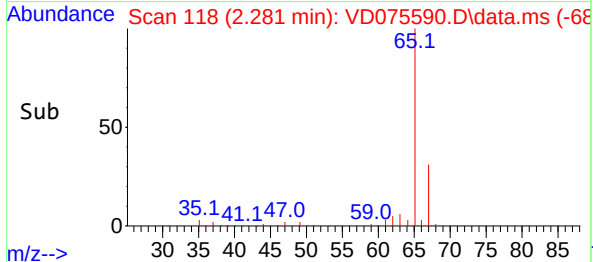
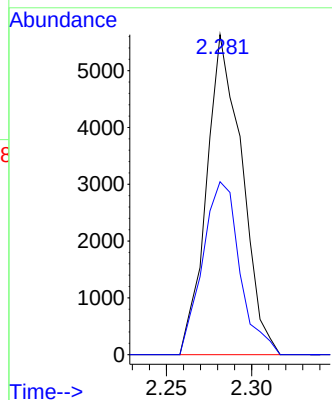
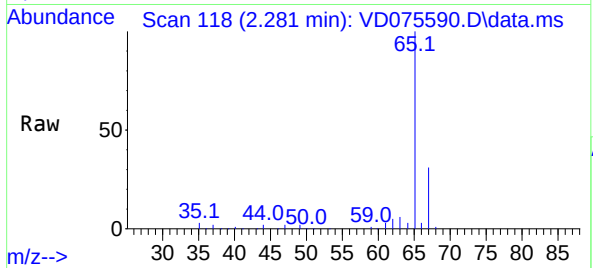




#5
Vinyl chloride
Concen: 1.375 ug/L
RT: 2.281 min Scan# 11
Delta R.T. -0.005 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

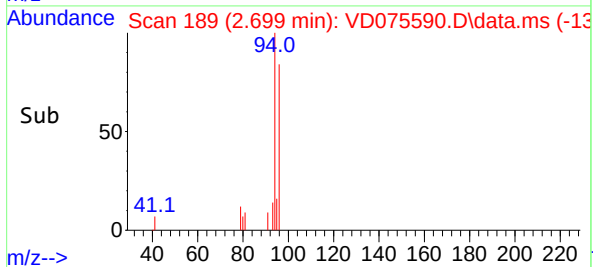
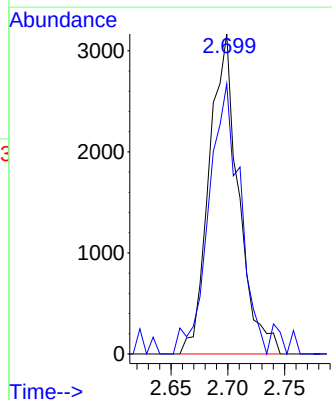
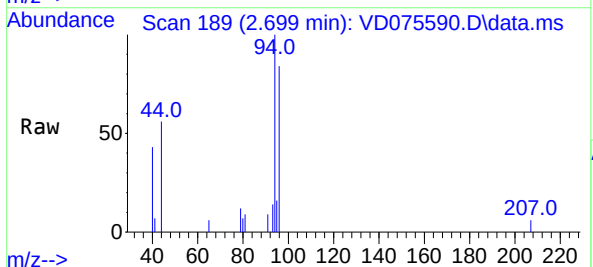
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2023-03

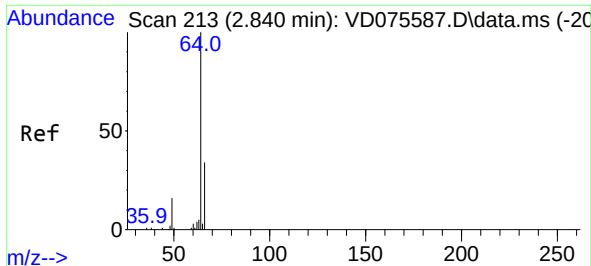
Tgt Ion: 62 Resp: 8143
Ion Ratio Lower Upper
62 100
64 54.0 23.1 42.9#



#6
Bromomethane
Concen: 1.412 ug/L
RT: 2.699 min Scan# 189
Delta R.T. 0.000 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

Tgt Ion: 94 Resp: 5706
Ion Ratio Lower Upper
94 100
96 84.4 66.1 122.7

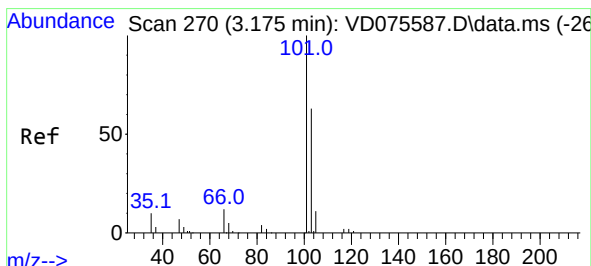
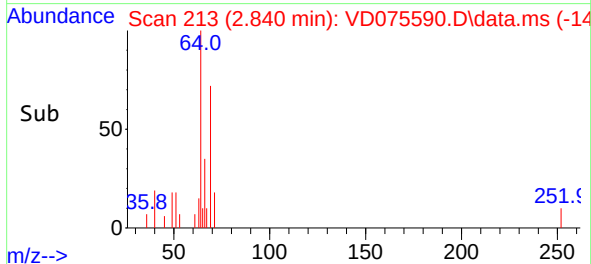
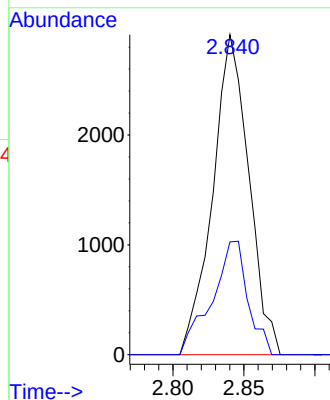
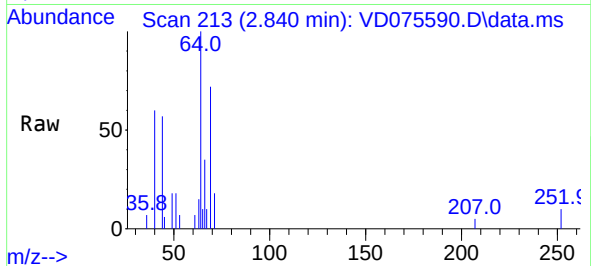




#8
Chloroethane
Concen: 1.252 ug/L
RT: 2.840 min Scan# 213
Delta R.T. 0.000 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

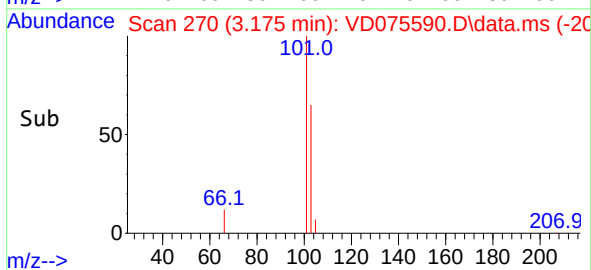
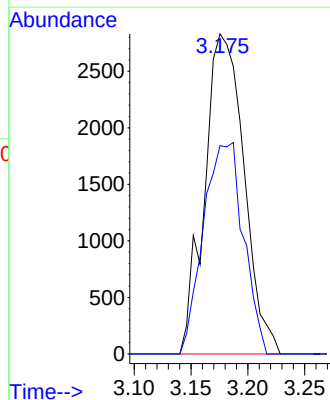
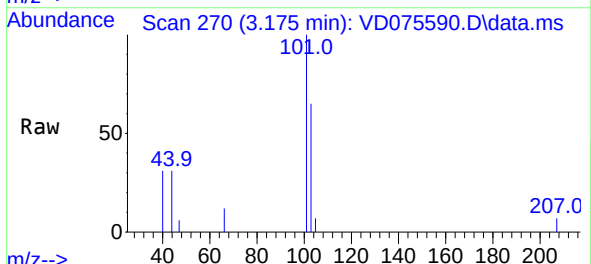
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2023-03

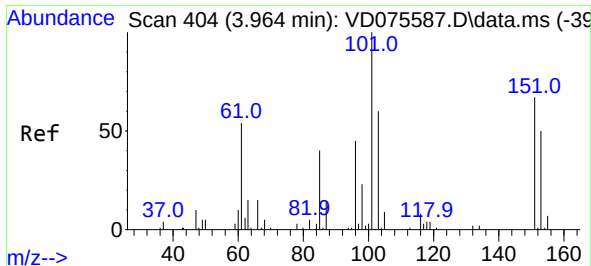
Tgt Ion: 64 Resp: 5165
Ion Ratio Lower Upper
64 100
66 35.3 22.0 41.0



#9
Trichlorofluoromethane
Concen: 1.330 ug/L
RT: 3.175 min Scan# 270
Delta R.T. -0.005 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

Tgt Ion: 101 Resp: 6845
Ion Ratio Lower Upper
101 100
103 66.7 51.5 77.3





#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.920 ug/L
RT: 3.970 min Scan# 404
Delta R.T. 0.000 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

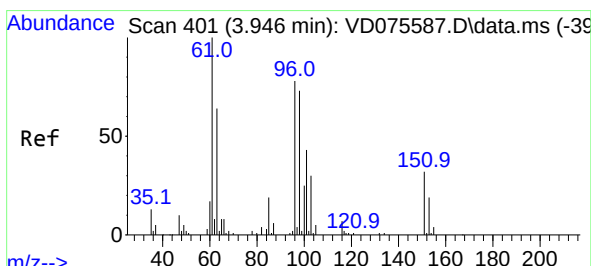
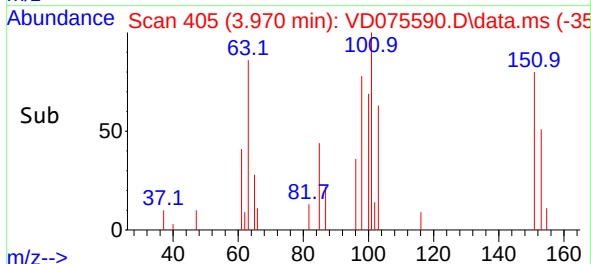
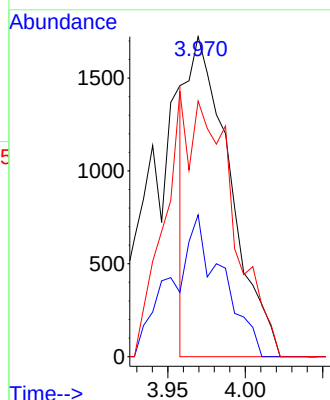
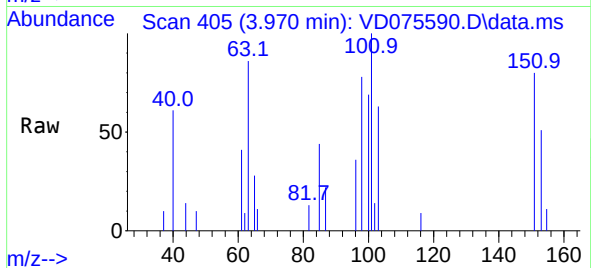
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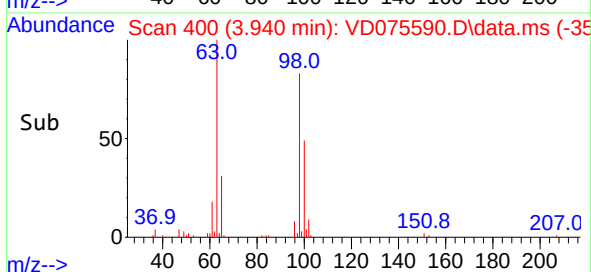
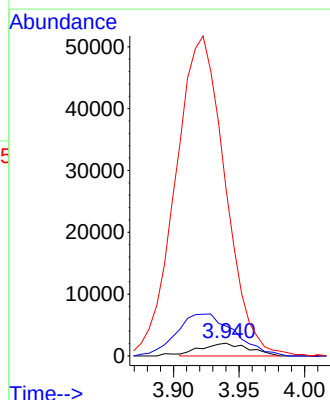
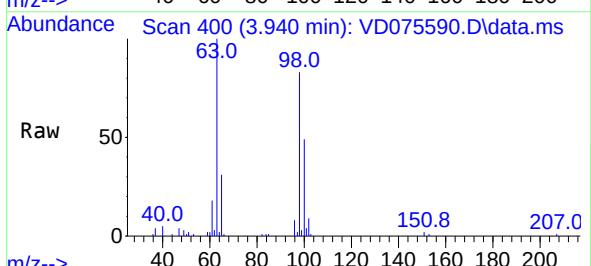
MDL-SOIL-QT2-2023-03

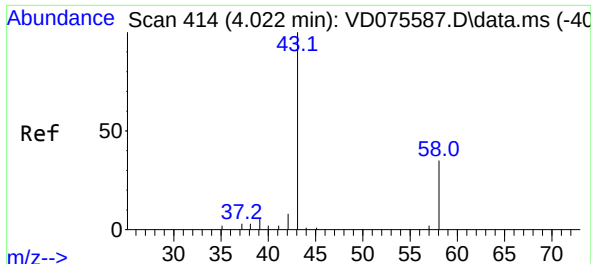
Tgt Ion:101 Resp: 3291
Ion Ratio Lower Upper
101 100
85 19.4 33.4 50.0#
151 11.8 55.8 83.8#



#12
1,1-Dichloroethene
Concen: 1.762 ug/L
RT: 3.940 min Scan# 400
Delta R.T. -0.005 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

Tgt Ion: 96 Resp: 5206
Ion Ratio Lower Upper
96 100
61 230.7 96.7 179.7#
63 1292.1 76.0 141.2#





#13

Acetone

Concen: 2.921 ug/L

RT: 4.028 min Scan# 41

Delta R.T. 0.012 min

Lab File: VD075590.D

Acq: 06 Apr 2023 12:25

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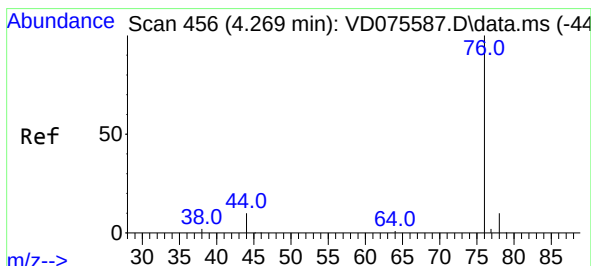
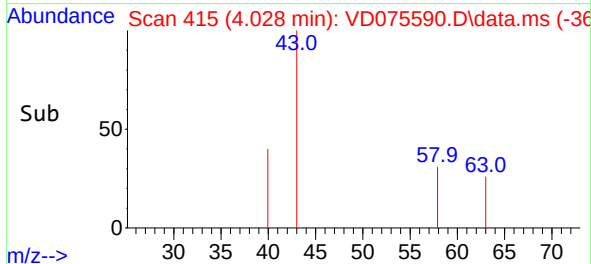
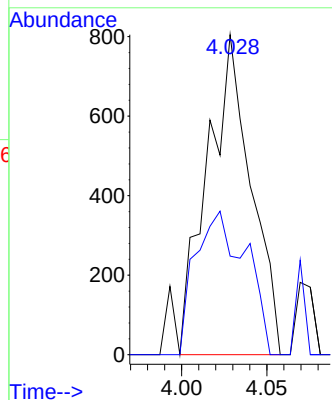
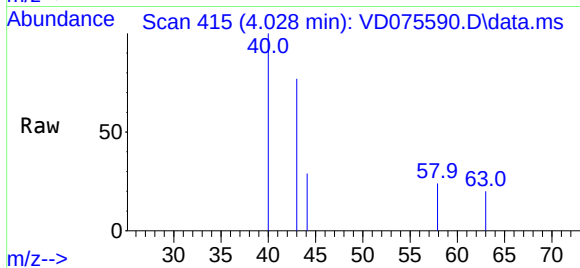
MDL-SOIL-QT2-2023-03

Tgt Ion: 43 Resp: 1439

Ion Ratio Lower Upper

43 100

58 41.1 0.0 77.4



#14

Carbon disulfide

Concen: 1.609 ug/L

RT: 4.275 min Scan# 457

Delta R.T. 0.000 min

Lab File: VD075590.D

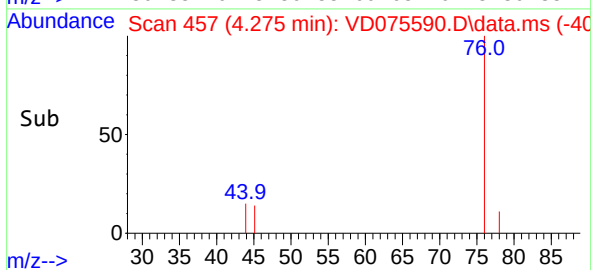
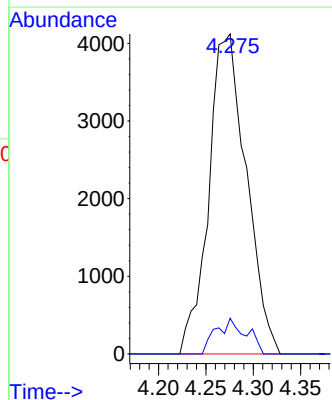
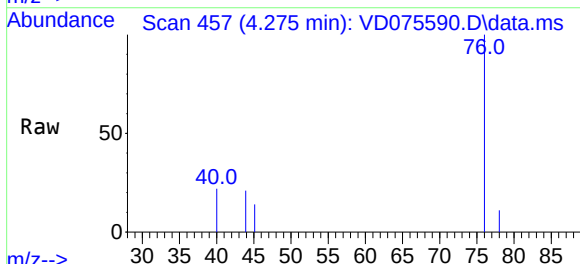
Acq: 06 Apr 2023 12:25

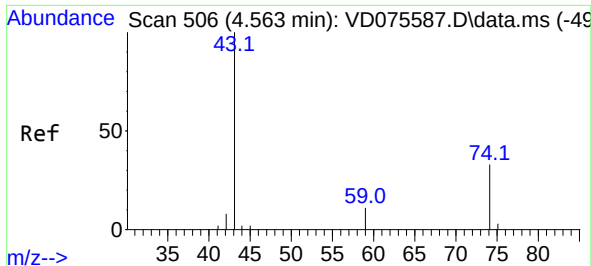
Tgt Ion: 76 Resp: 11373

Ion Ratio Lower Upper

76 100

78 11.2 7.4 11.0#

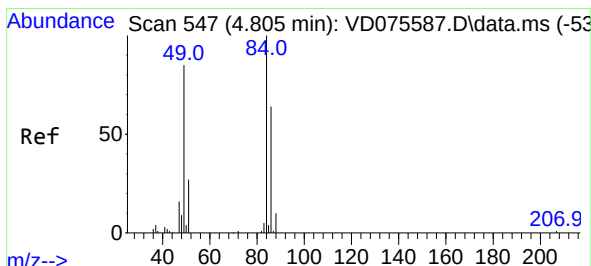
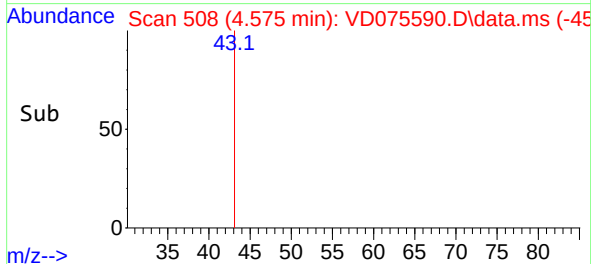
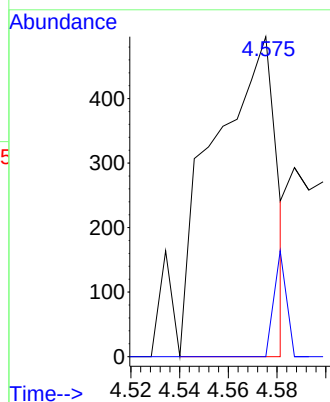
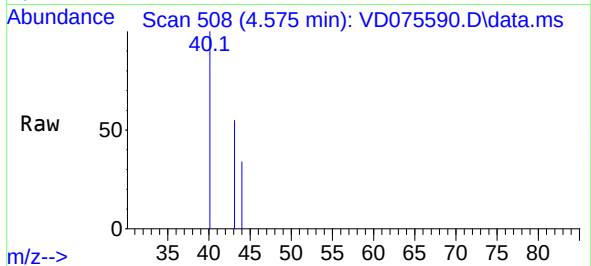




#15
Methyl Acetate
Concen: 1.078 ug/L
RT: 4.575 min Scan# 508
Delta R.T. 0.018 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

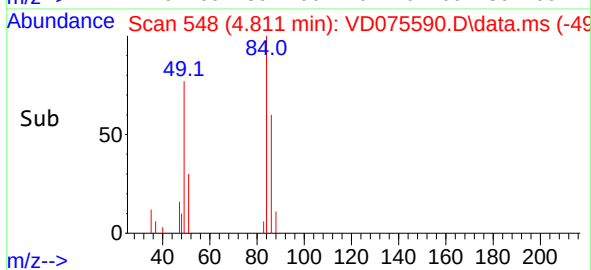
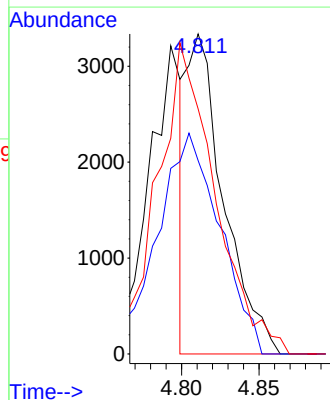
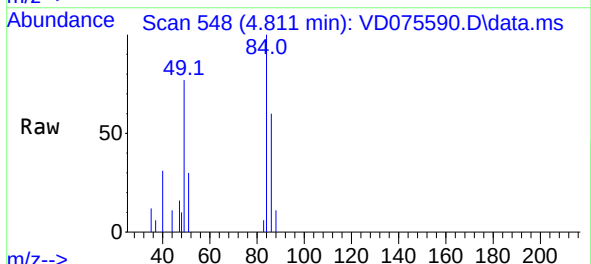
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2023-03

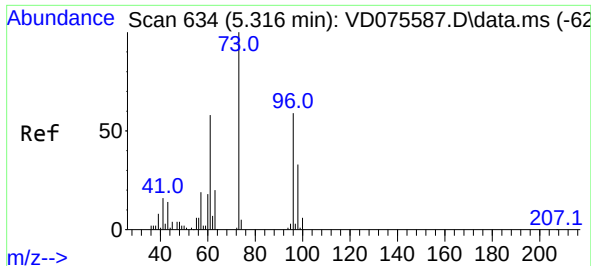
Tgt Ion: 43 Resp: 890
Ion Ratio Lower Upper
43 100
74 0.0 29.0 43.4#



#16
Methylene chloride
Concen: 1.296 ug/L
RT: 4.811 min Scan# 548
Delta R.T. 0.006 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

Tgt Ion: 84 Resp: 5517
Ion Ratio Lower Upper
84 100
86 60.4 44.4 82.4
49 76.6 58.5 108.7

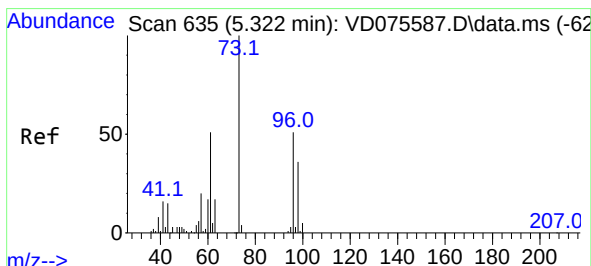
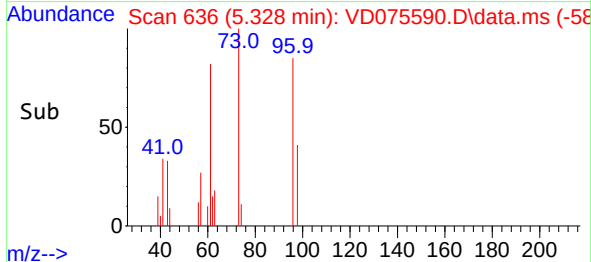
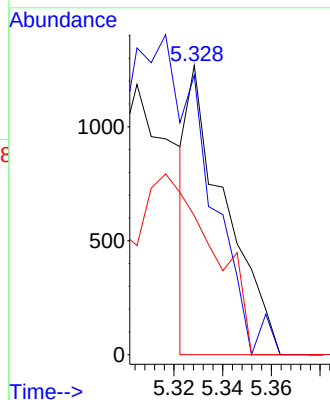
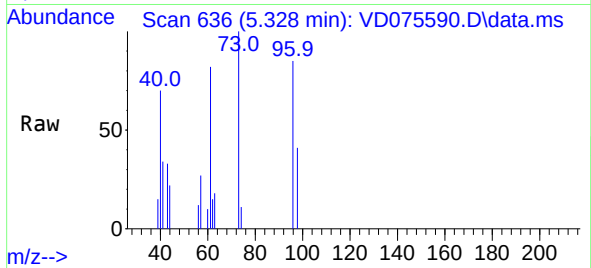




#17
trans-1,2-Dichloroethene
Concen: 0.429 ug/L
RT: 5.328 min Scan# 61
Delta R.T. 0.006 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

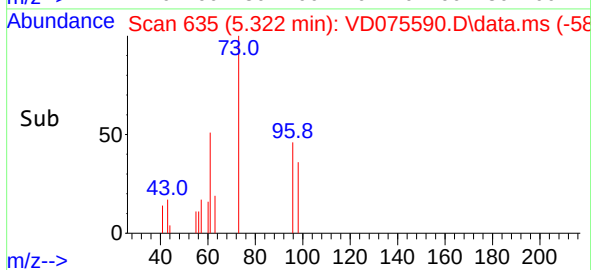
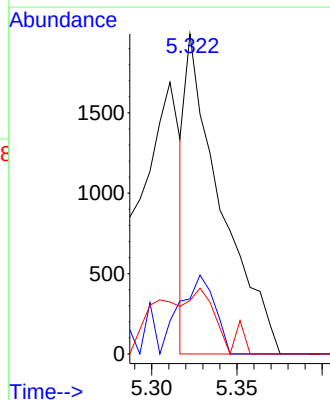
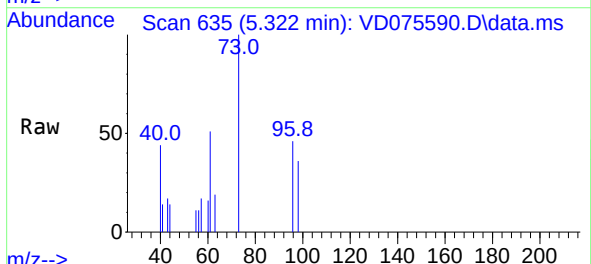
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2023-03

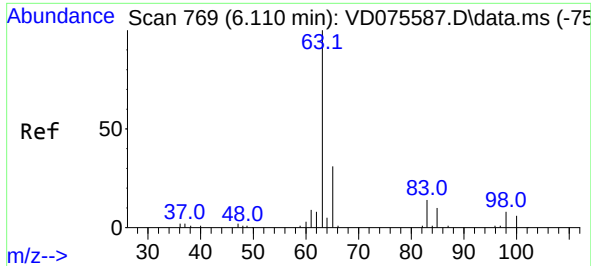
Tgt Ion: 96 Resp: 1345
Ion Ratio Lower Upper
96 100
61 96.6 75.4 140.0
98 48.1 43.8 81.3



#18
Methyl tert-butyl Ether
Concen: 0.473 ug/L
RT: 5.322 min Scan# 635
Delta R.T. 0.000 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

Tgt Ion: 73 Resp: 2820
Ion Ratio Lower Upper
73 100
43 24.6 11.4 17.0#
57 15.3 15.8 23.6#

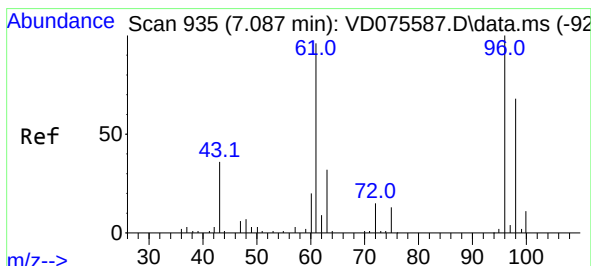
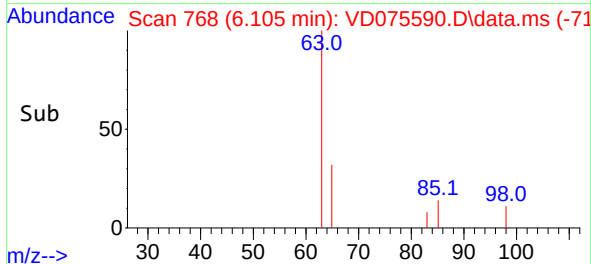
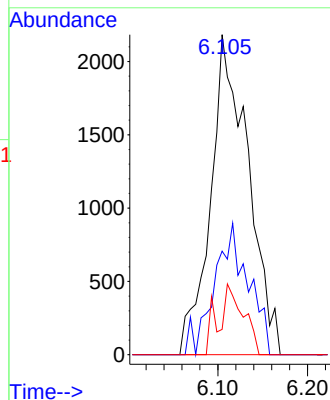
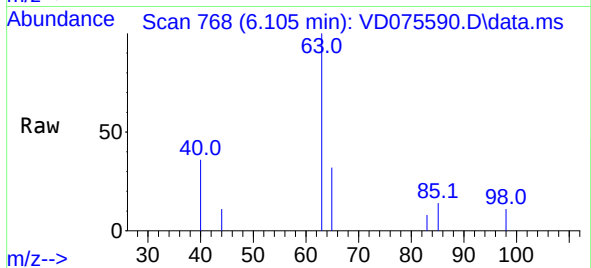




#19
1,1-Dichloroethane
Concen: 1.181 ug/L
RT: 6.105 min Scan# 769
Delta R.T. -0.011 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

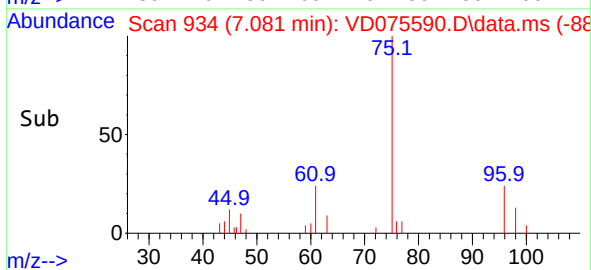
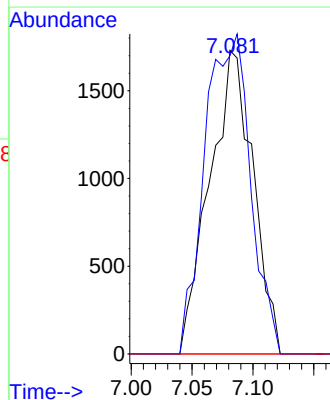
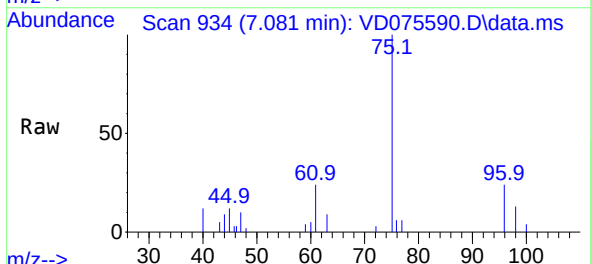
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2023-03

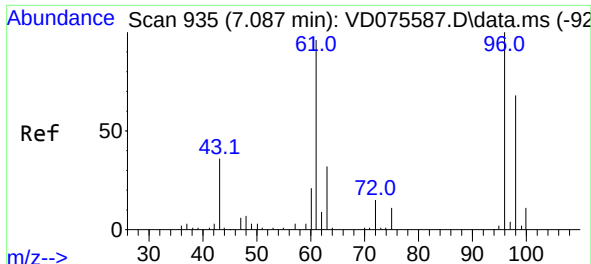
Tgt Ion: 63 Resp: 6352
Ion Ratio Lower Upper
63 100
65 32.4 23.1 42.9
83 7.9 11.2 20.8#



#20
cis-1,2-Dichloroethene
Concen: 1.163 ug/L
RT: 7.081 min Scan# 934
Delta R.T. -0.005 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

Tgt Ion: 96 Resp: 4283
Ion Ratio Lower Upper
96 100
61 98.3 64.8 120.4
68 0.0 0.0 0.0

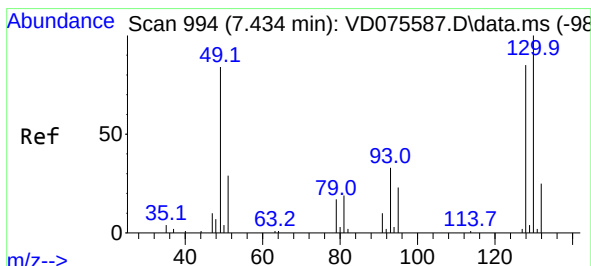
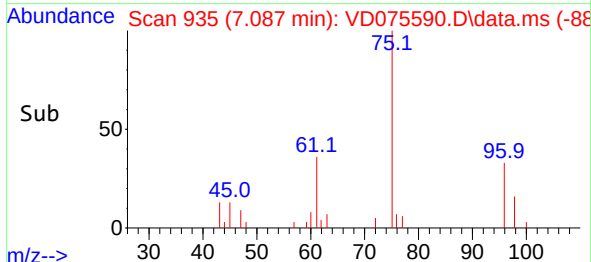
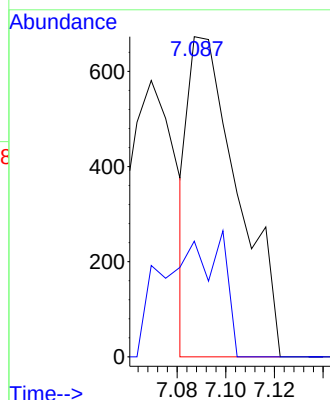
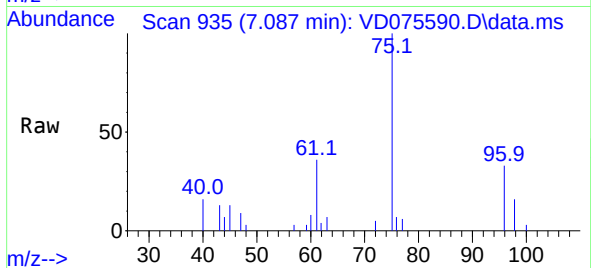




#22
2-Butanone
Concen: 1.609 ug/L
RT: 7.087 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

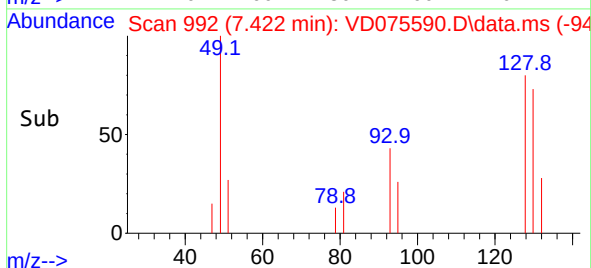
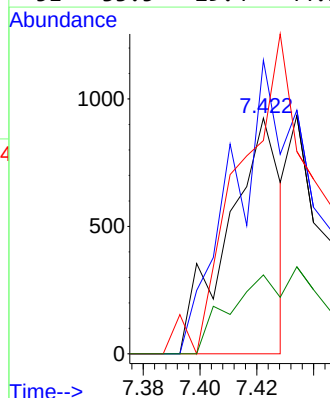
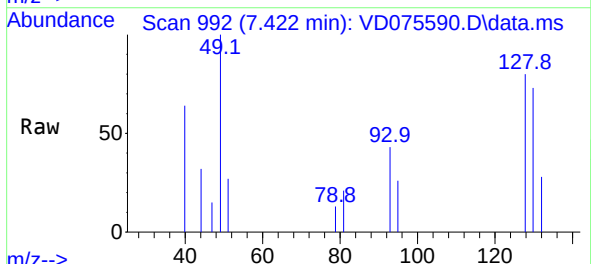
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2023-03

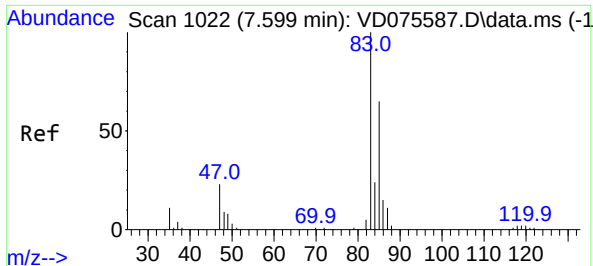
Tgt Ion: 43 Resp: 944
Ion Ratio Lower Upper
43 100
72 22.0 21.3 63.9



#23
Bromochloromethane
Concen: 0.687 ug/L
RT: 7.422 min Scan# 992
Delta R.T. -0.005 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

Tgt Ion: 128 Resp: 1193
Ion Ratio Lower Upper
128 100
49 124.5 75.0 139.4
130 90.5 87.4 162.2
51 33.5 29.4 44.2





#25

Chloroform

Concen: 1.271 ug/L

RT: 7.599 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VD075590.D

Acq: 06 Apr 2023 12:25

Instrument :

MSVOA_D

ClientSampleId :

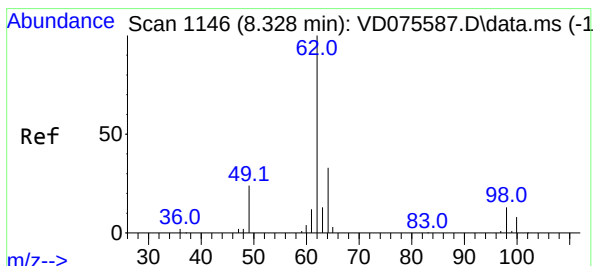
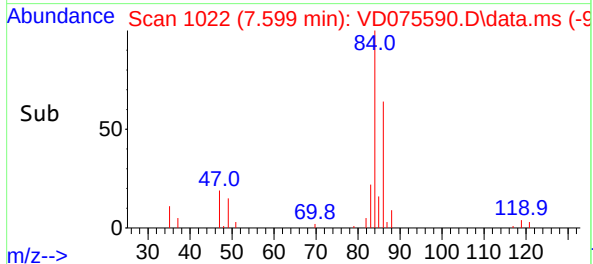
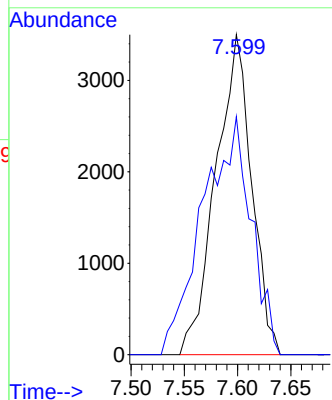
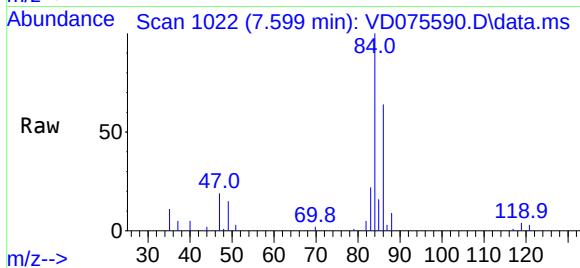
MDL-SOIL-QT2-2023-03

Tgt Ion: 83 Resp: 8184

Ion Ratio Lower Upper

83 100

85 74.4 45.8 85.0



#27

1,2-Dichloroethane

Concen: 1.186 ug/L

RT: 8.334 min Scan# 1147

Delta R.T. 0.006 min

Lab File: VD075590.D

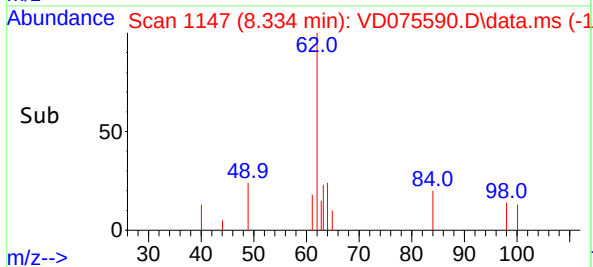
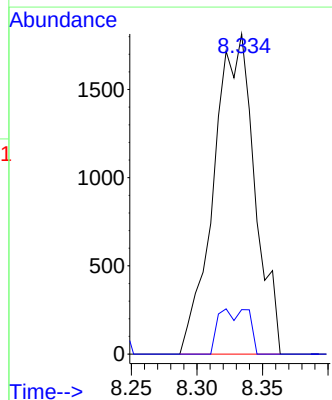
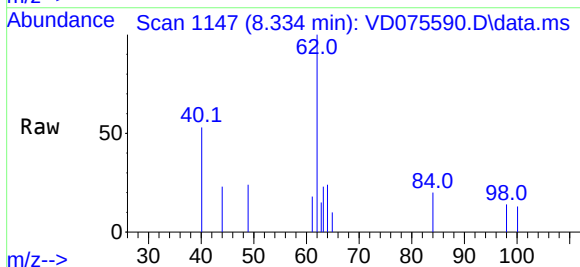
Acq: 06 Apr 2023 12:25

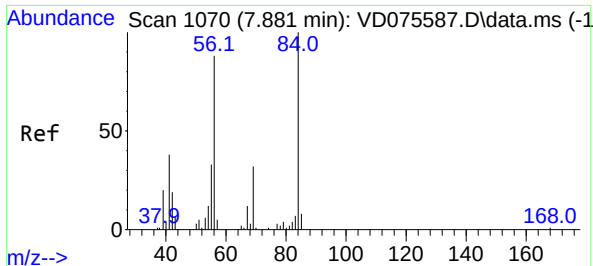
Tgt Ion: 62 Resp: 3947

Ion Ratio Lower Upper

62 100

98 13.9 10.5 15.7





#29

Cyclohexane

Concen: 0.913 ug/L

RT: 7.887 min Scan# 1070

Delta R.T. 0.006 min

Lab File: VD075590.D

Acq: 06 Apr 2023 12:25

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT2-2023-03

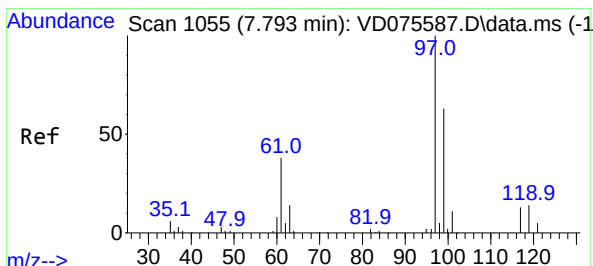
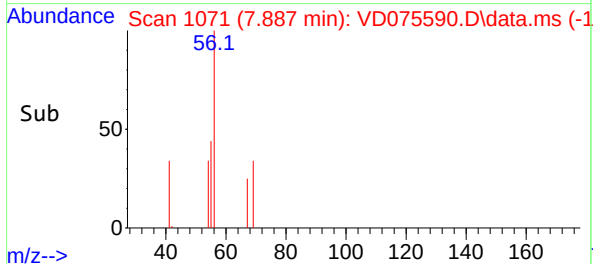
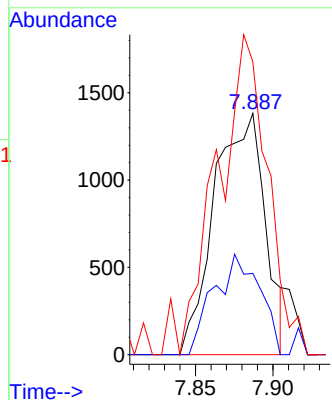
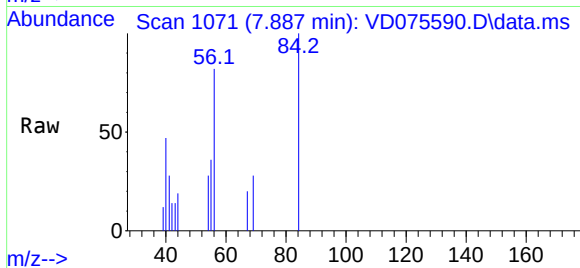
Tgt Ion: 56 Resp: 3146

Ion Ratio Lower Upper

56 100

69 23.6 28.3 42.5#

84 88.5 91.1 136.7#



#30

1,1,1-Trichloroethane

Concen: 0.686 ug/L

RT: 7.787 min Scan# 1054

Delta R.T. -0.005 min

Lab File: VD075590.D

Acq: 06 Apr 2023 12:25

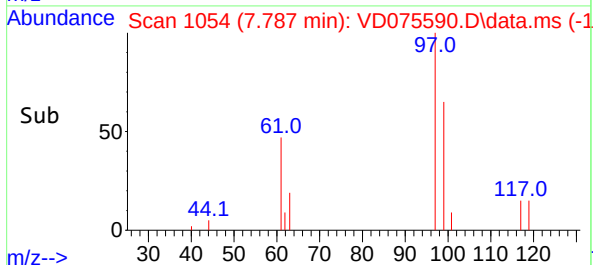
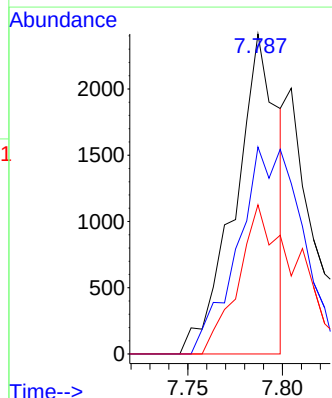
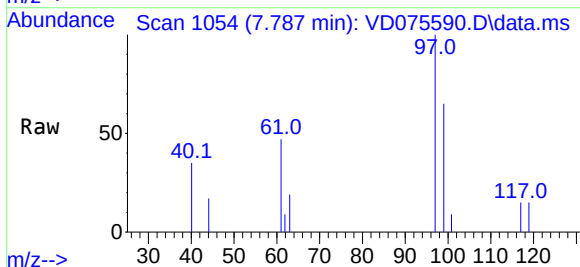
Tgt Ion: 97 Resp: 3815

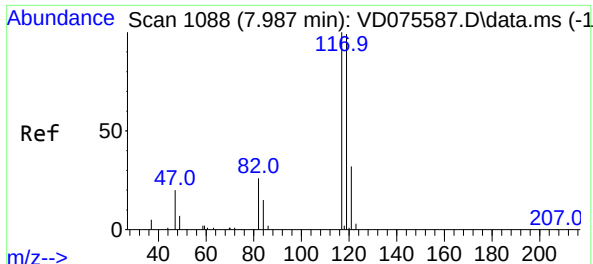
Ion Ratio Lower Upper

97 100

99 52.2 51.4 77.2

61 48.0 32.2 48.2

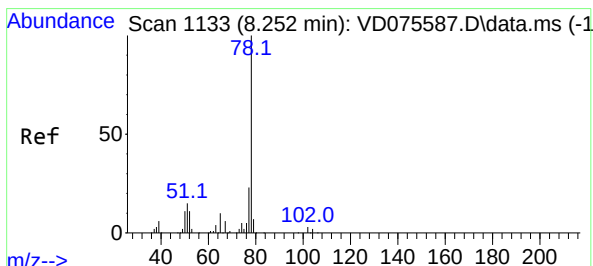
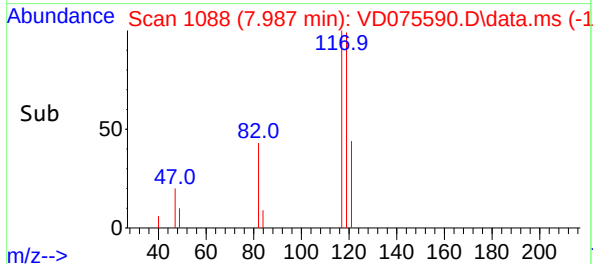
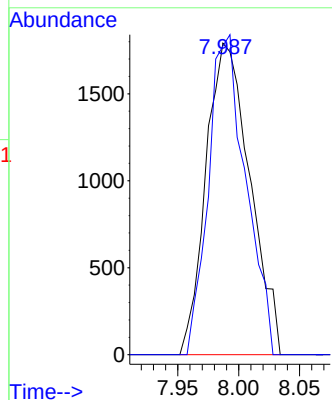
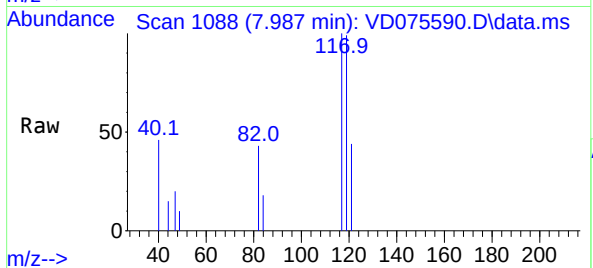




#31
Carbon tetrachloride
Concen: 1.000 ug/L
RT: 7.987 min Scan# 1088
Delta R.T. -0.005 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

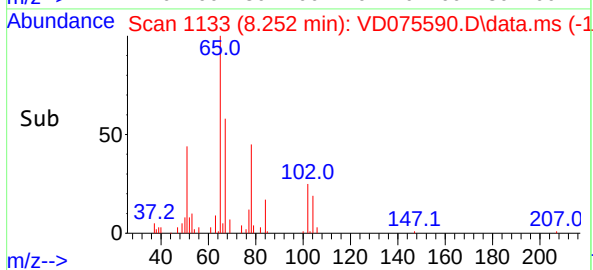
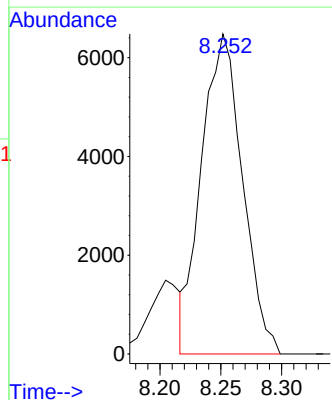
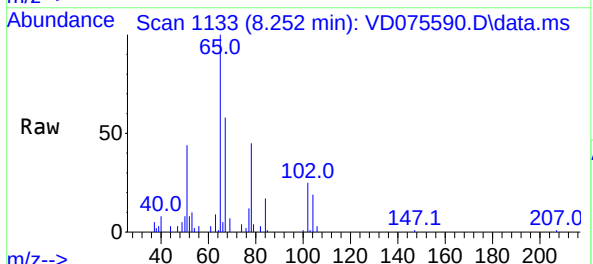
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT2-2023-03

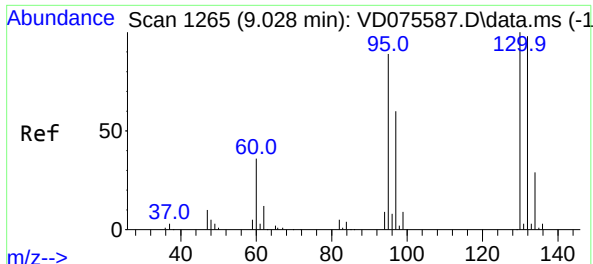
Tgt Ion:117 Resp: 4493
Ion Ratio Lower Upper
117 100
119 87.4 76.4 114.6



#33
Benzene
Concen: 1.043 ug/L
RT: 8.252 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

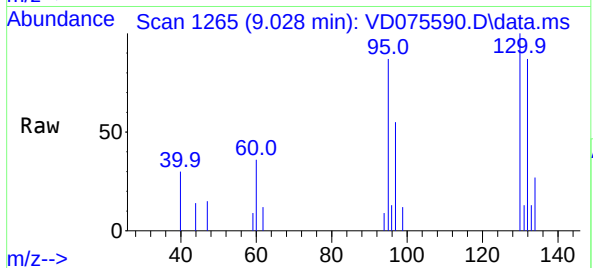
Tgt Ion: 78 Resp: 15158



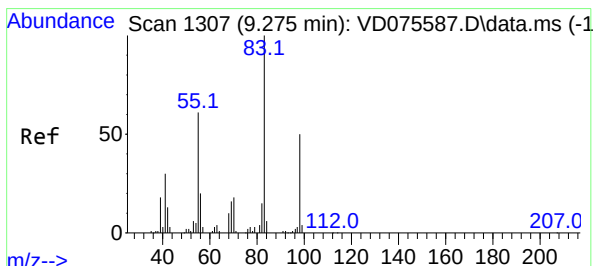
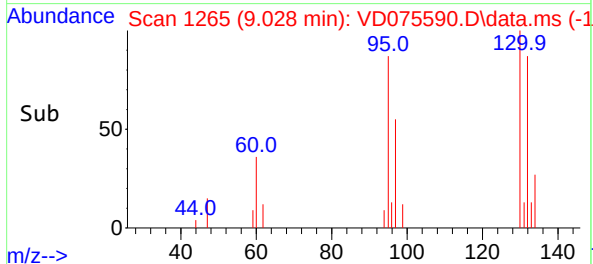
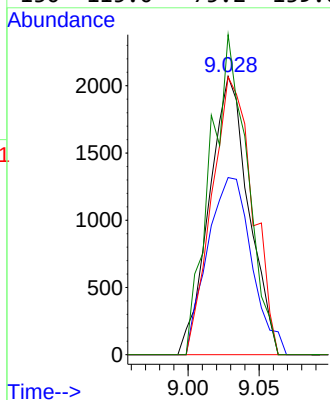


#34
Trichloroethene
Concen: 0.980 ug/L
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2023-03

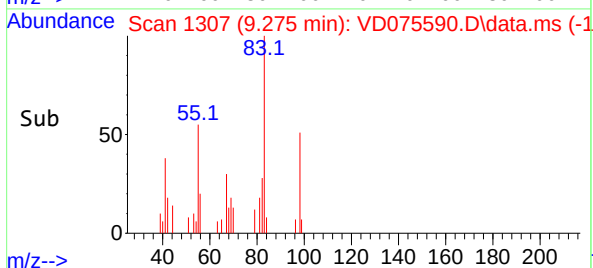
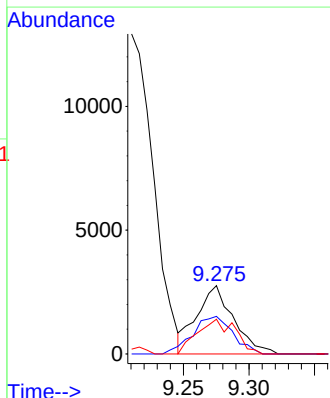
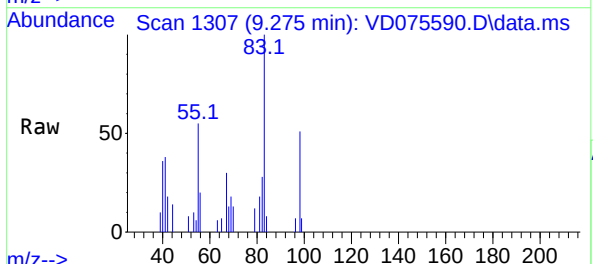


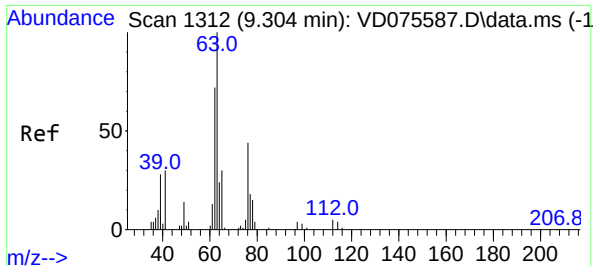
Tgt Ion: 95 Resp: 3990
Ion Ratio Lower Upper
95 100
97 63.7 47.0 87.2
132 99.9 71.2 132.2
130 115.0 75.2 139.6



#35
Methylcyclohexane
Concen: 1.015 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

Tgt Ion: 83 Resp: 5408
Ion Ratio Lower Upper
83 100
55 59.8 46.9 70.3
98 36.7 40.8 61.2#

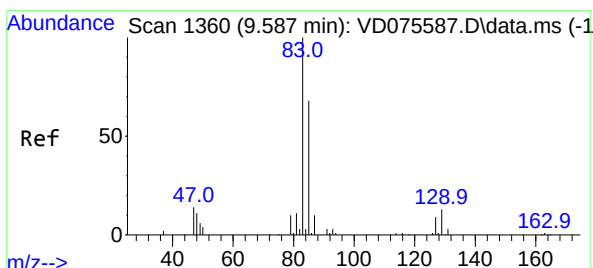
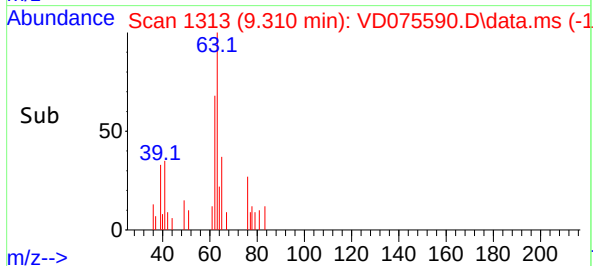
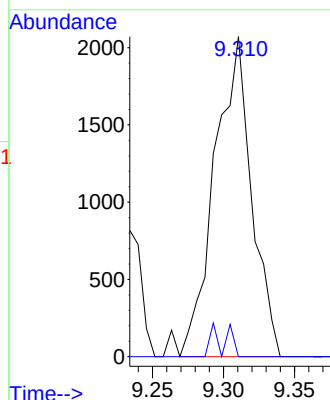
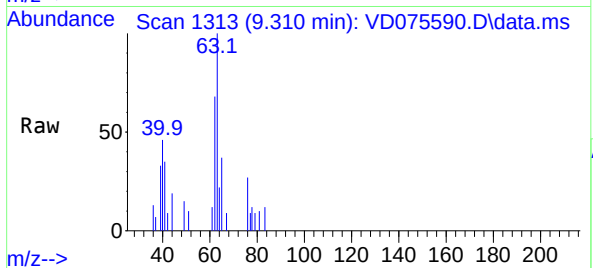




#37
1,2-Dichloropropane
Concen: 1.093 ug/L
RT: 9.310 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

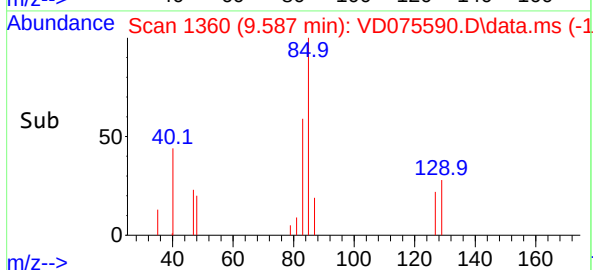
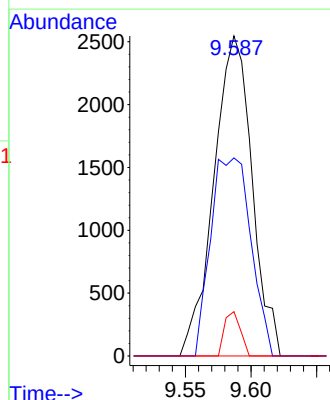
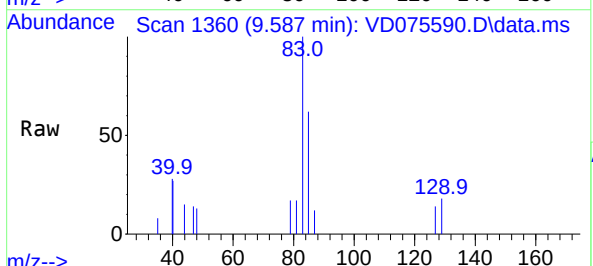
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2023-03

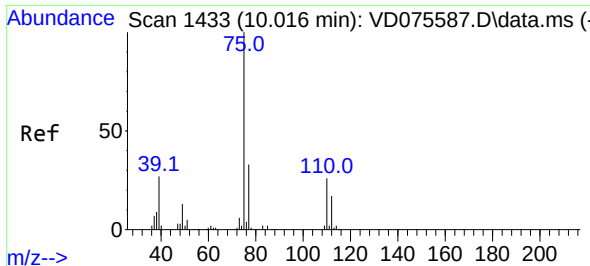
Tgt Ion: 63 Resp: 3738
Ion Ratio Lower Upper
63 100
112 2.1 4.7 7.1#



#38
Bromodichloromethane
Concen: 1.060 ug/L
RT: 9.587 min Scan# 1360
Delta R.T. 0.000 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

Tgt Ion: 83 Resp: 5163
Ion Ratio Lower Upper
83 100
85 61.9 45.1 83.9
127 13.9 6.8 10.2#

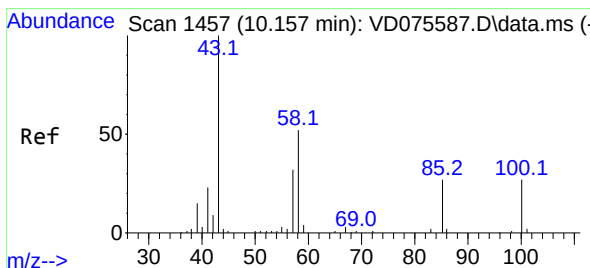
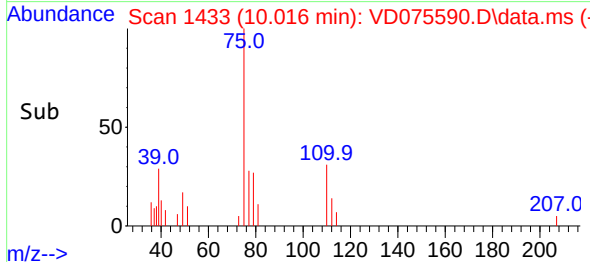
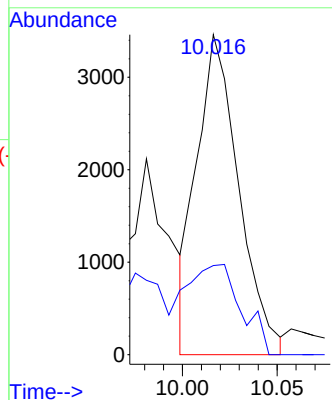
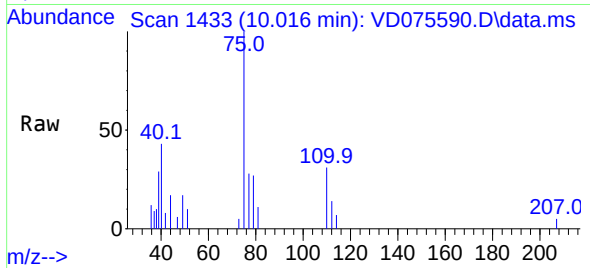




#39
cis-1,3-Dichloropropene
Concen: 0.982 ug/L
RT: 10.016 min Scan# 1433
Delta R.T. 0.000 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

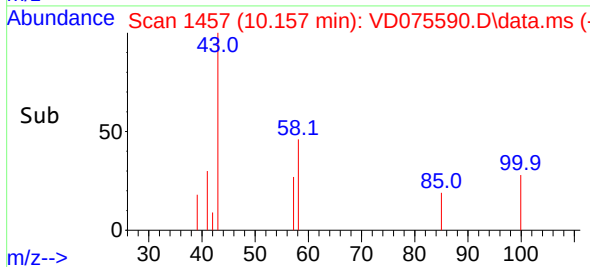
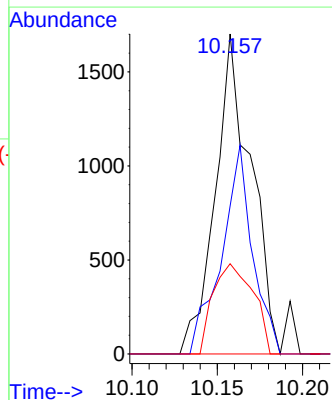
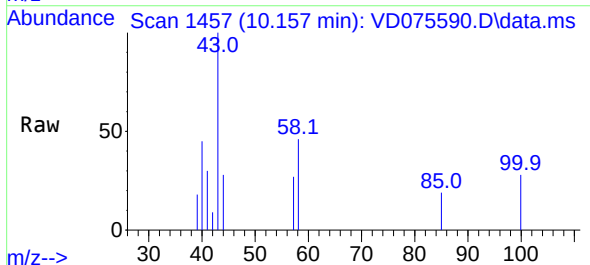
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2023-03

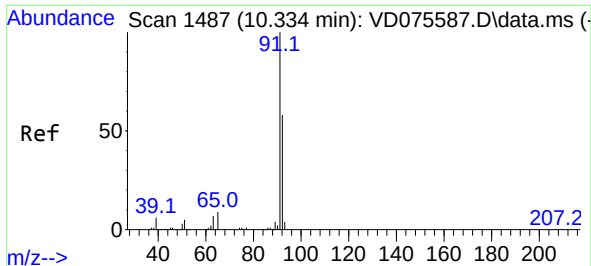
Tgt Ion: 75 Resp: 5326
Ion Ratio Lower Upper
75 100
77 27.9 22.5 41.7



#40
4-Methyl-2-pentanone
Concen: 1.932 ug/L
RT: 10.157 min Scan# 1457
Delta R.T. -0.005 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

Tgt Ion: 43 Resp: 2476
Ion Ratio Lower Upper
43 100
58 56.8 39.4 59.0
100 31.7 20.3 30.5#

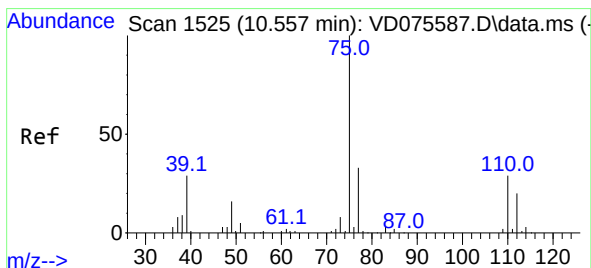
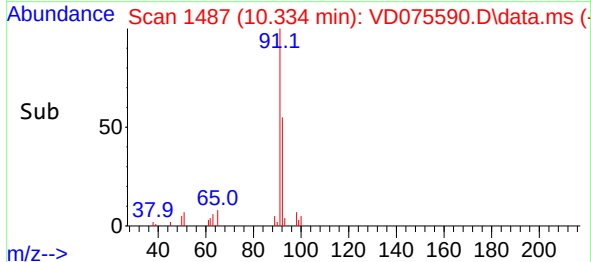
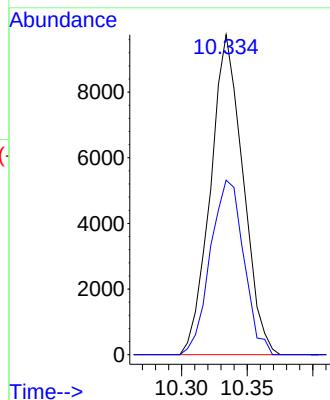
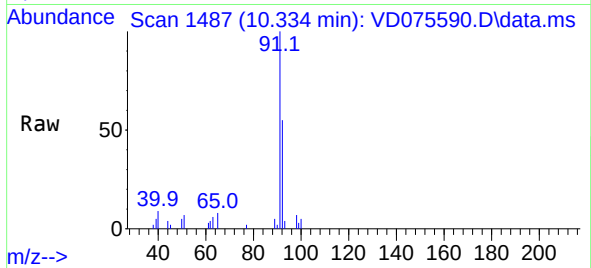




#42
Toluene
Concen: 1.042 ug/L
RT: 10.334 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

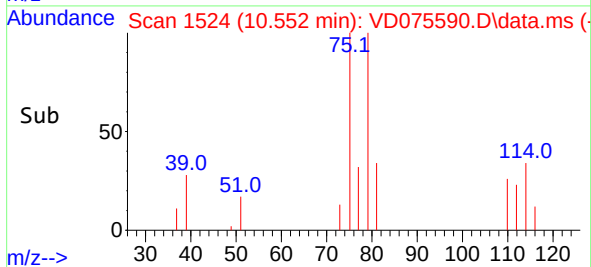
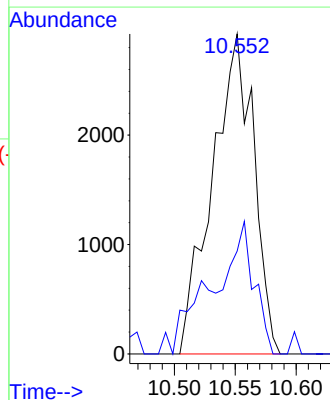
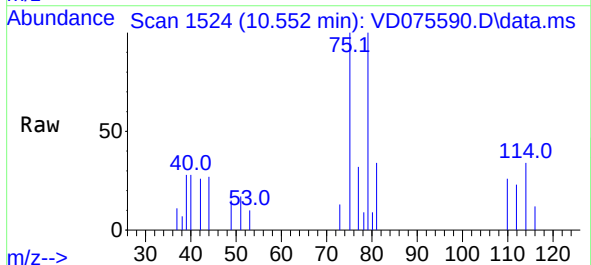
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT2-2023-03

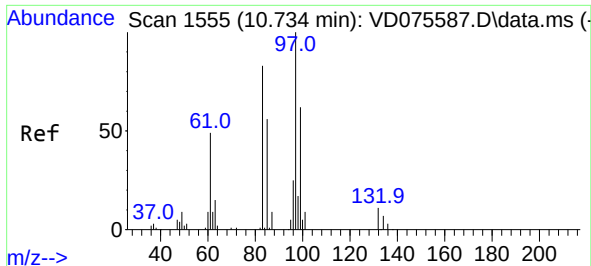
Tgt Ion: 91 Resp: 16820
Ion Ratio Lower Upper
91 100
92 54.5 39.1 72.7



#44
trans-1,3-Dichloropropene
Concen: 1.505 ug/L
RT: 10.552 min Scan# 1524
Delta R.T. -0.005 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

Tgt Ion: 75 Resp: 6938
Ion Ratio Lower Upper
75 100
77 32.1 22.1 41.1

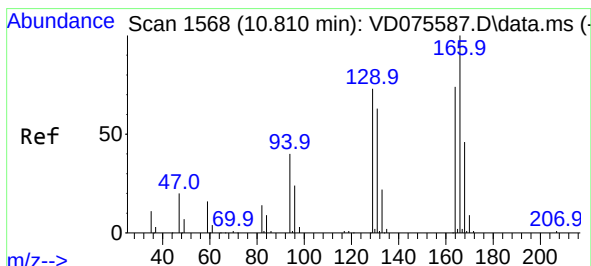
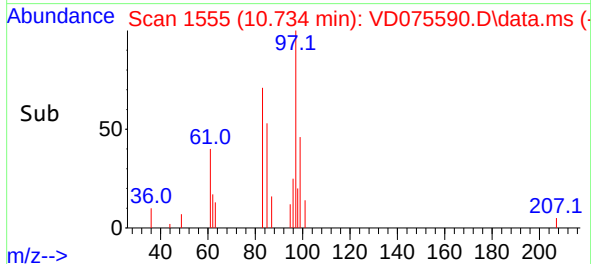
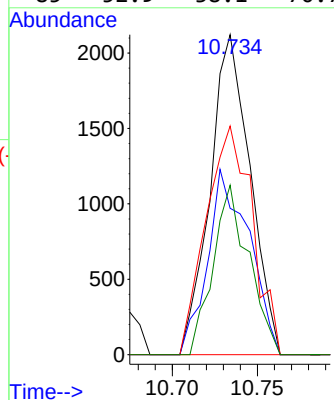
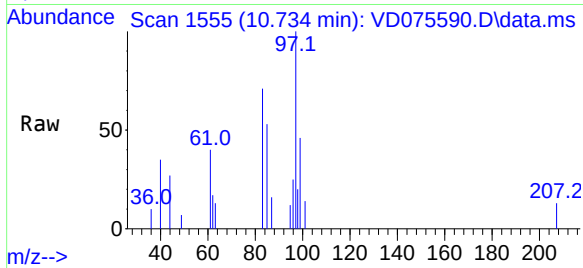




#45
1,1,2-Trichloroethane
Concen: 1.108 ug/L
RT: 10.734 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

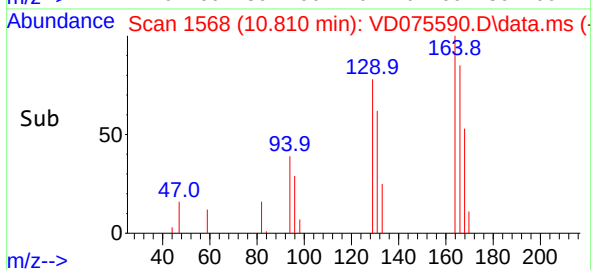
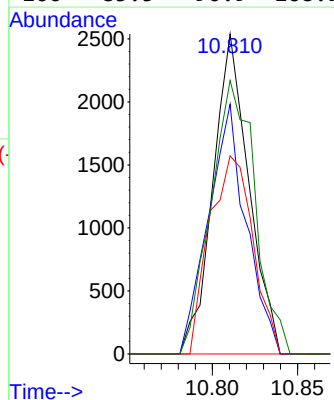
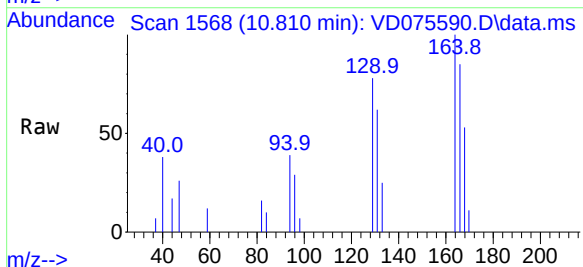
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2023-03

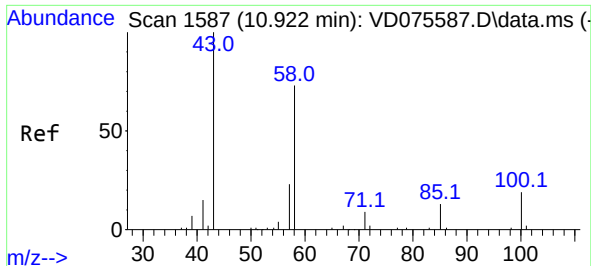
Tgt Ion:	97	Resp:	3478
Ion	Ratio	Lower	Upper
97	100		
99	45.8	46.4	86.2#
83	71.4	57.1	106.1
85	52.9	38.1	70.7



#46
Tetrachloroethene
Concen: 1.165 ug/L
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

Tgt Ion:	164	Resp:	3714
Ion	Ratio	Lower	Upper
164	100		
129	78.1	64.8	120.3
131	61.9	61.7	114.7
166	85.5	90.9	168.9#

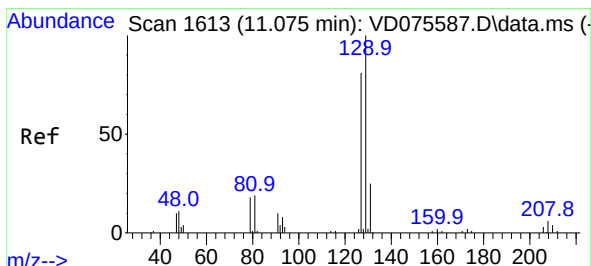
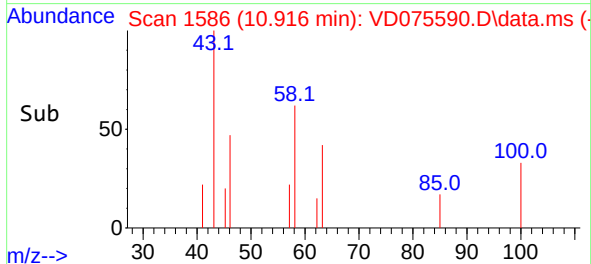
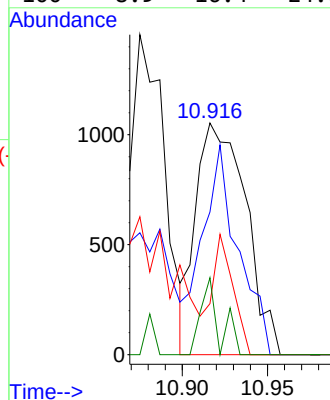
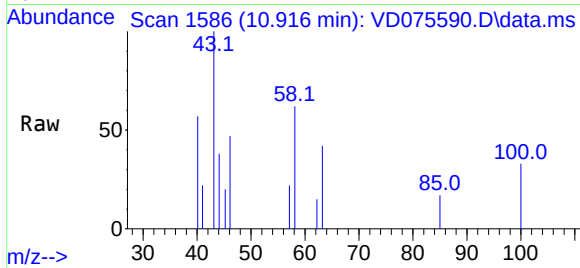




#48
2-Hexanone
Concen: 2.491 ug/L
RT: 10.916 min Scan# 1586
Delta R.T. -0.005 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

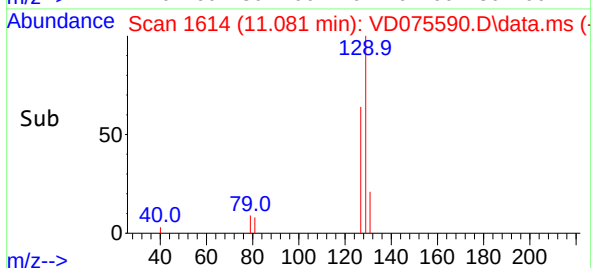
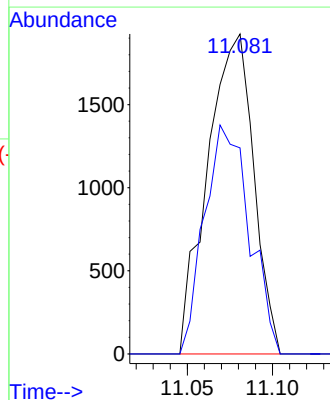
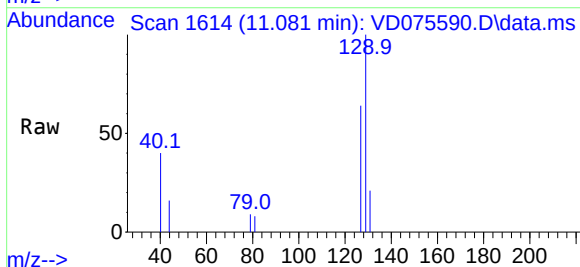
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT2-2023-03

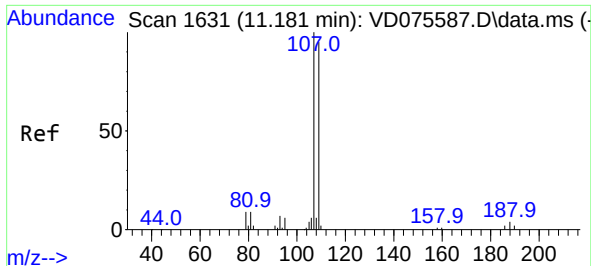
Tgt Ion: 43	Resp: 2152
Ion Ratio	Lower Upper
43 100	
58 0.0	55.8 83.6#
57 0.0	18.6 27.8#
100 8.9	16.4 24.6#



#49
Dibromochloromethane
Concen: 1.069 ug/L
RT: 11.081 min Scan# 1614
Delta R.T. 0.006 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

Tgt Ion:129	Resp:	3632	
Ion	Ratio	Lower	Upper
129	100		
127	64.4	54.5	101.1

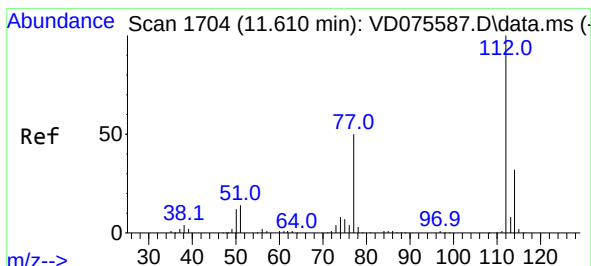
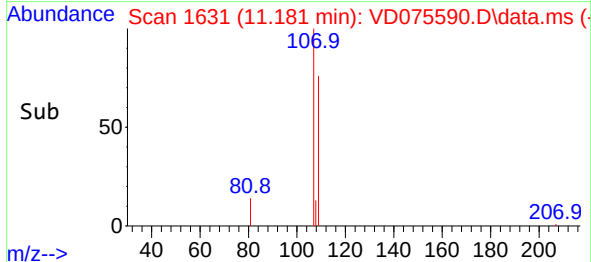
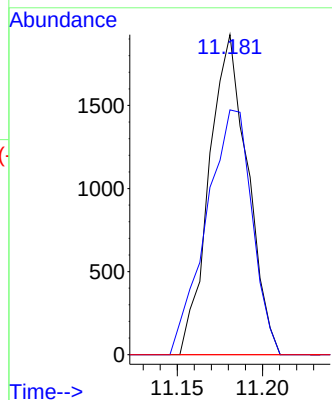
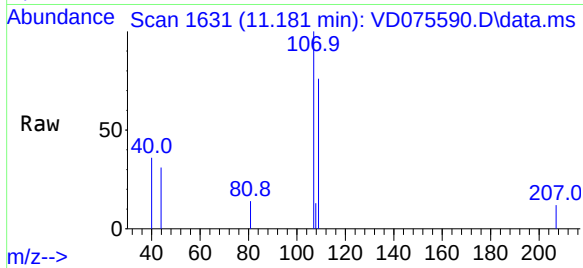




#50
1,2-Dibromoethane
Concen: 1.100 ug/L
RT: 11.181 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

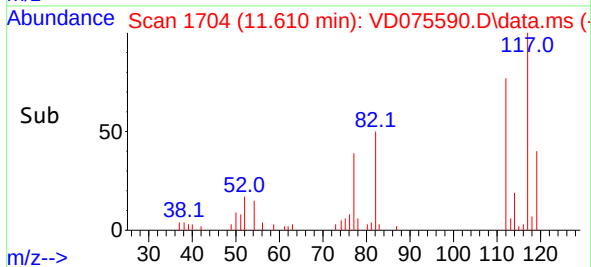
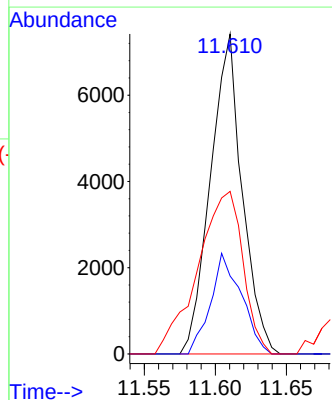
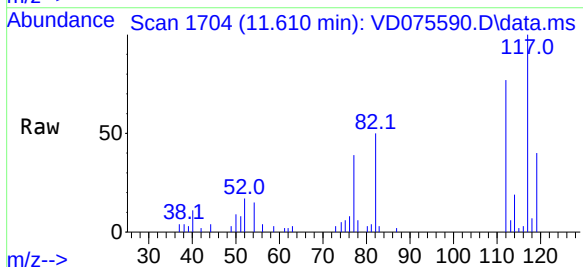
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2023-03

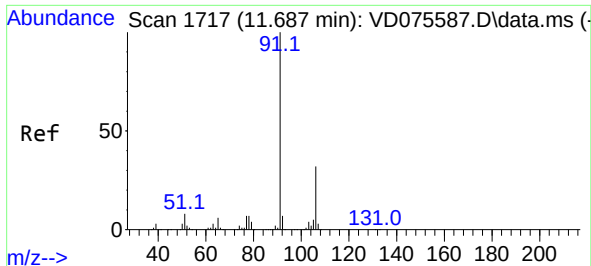
Tgt Ion:	107	Resp:	3025
Ion	Ratio	Lower	Upper
107	100		
109	76.5	64.8	120.3
188	0.0	3.4	5.0#



#51
Chlorobenzene
Concen: 1.060 ug/L
RT: 11.610 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

Tgt Ion:	112	Resp:	11531
Ion	Ratio	Lower	Upper
112	100		
114	24.4	21.1	39.1
77	50.8	37.8	56.6

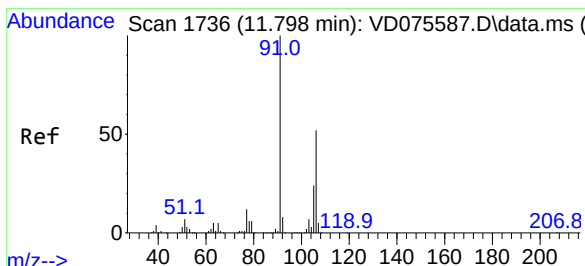
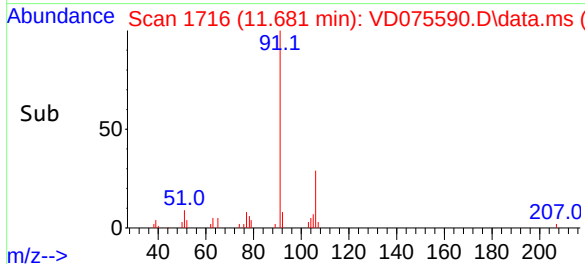
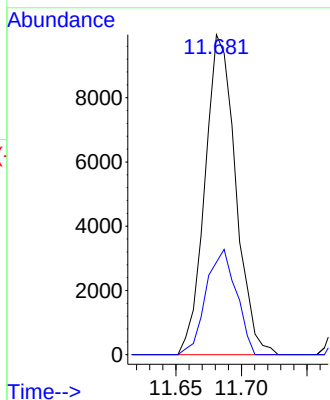
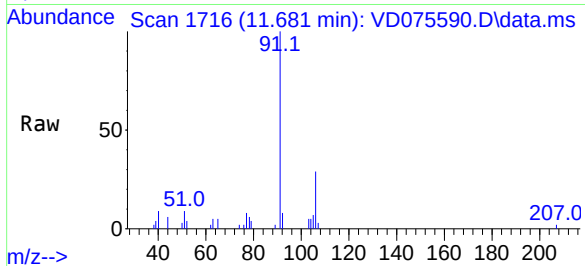




#52
Ethylbenzene
Concen: 0.957 ug/L
RT: 11.681 min Scan# 1716
Delta R.T. -0.005 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

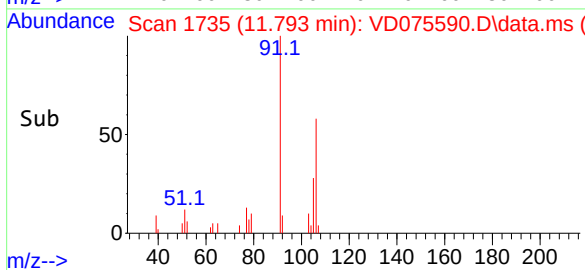
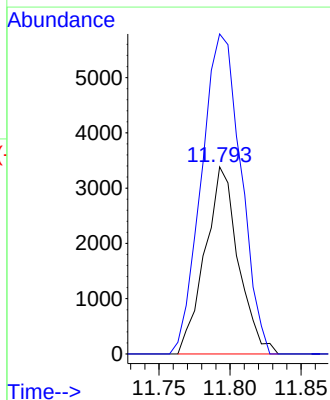
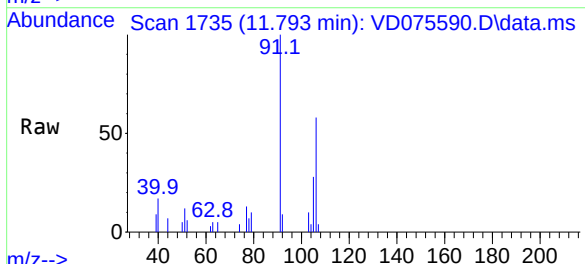
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2023-03

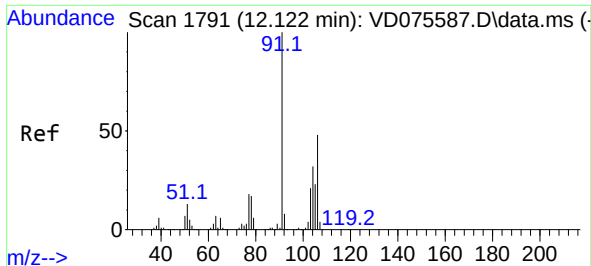
Tgt Ion: 91 Resp: 16249
Ion Ratio Lower Upper
91 100
106 28.9 23.2 43.2



#53
m,p-Xylene
Concen: 0.830 ug/L
RT: 11.793 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

Tgt Ion: 106 Resp: 5526
Ion Ratio Lower Upper
106 100
91 171.1 126.7 235.3

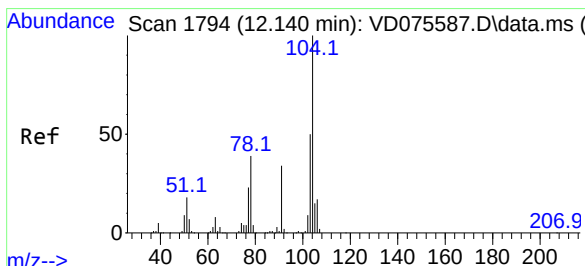
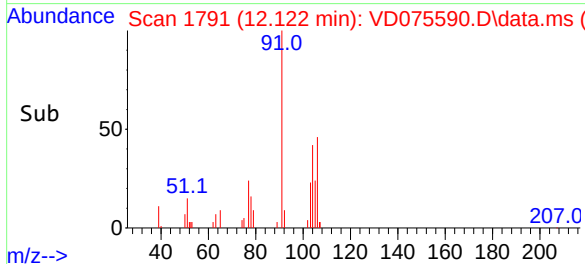
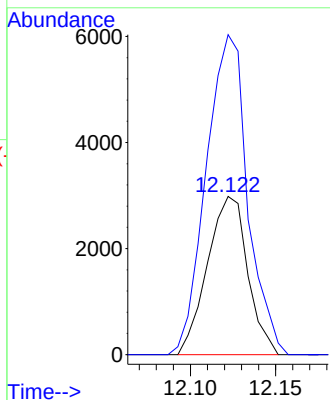
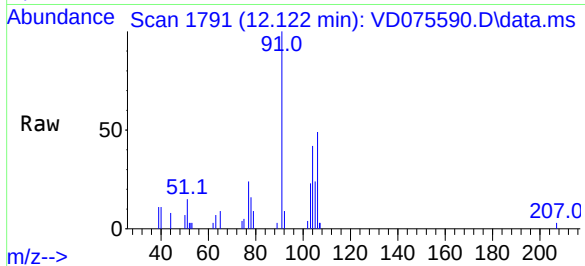




#54
o-Xylene
Concen: 0.772 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. -0.005 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

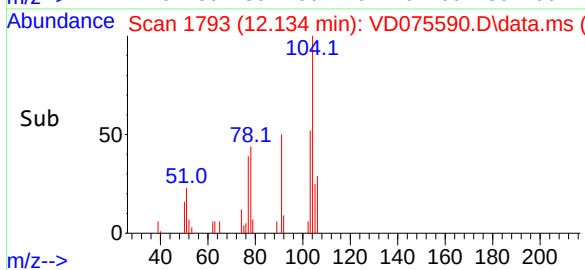
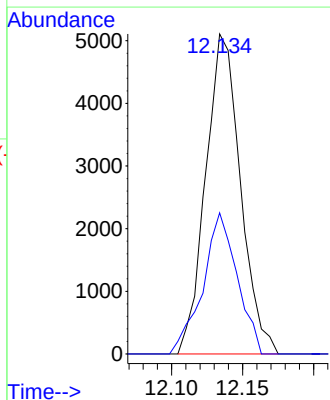
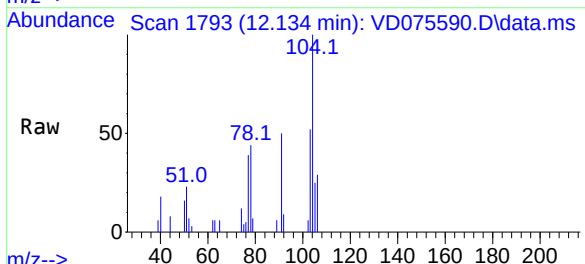
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2023-03

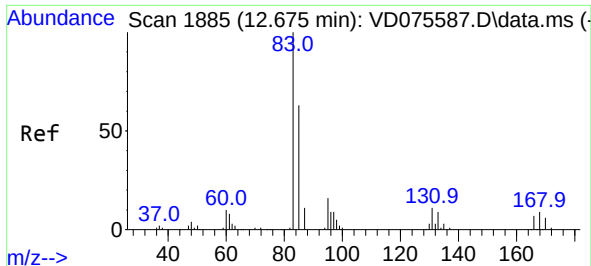
Tgt Ion:106 Resp: 4892
Ion Ratio Lower Upper
106 100
91 202.3 138.3 256.9



#55
Styrene
Concen: 0.770 ug/L
RT: 12.134 min Scan# 1793
Delta R.T. -0.005 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

Tgt Ion:104 Resp: 8699
Ion Ratio Lower Upper
104 100
78 44.1 25.8 47.8

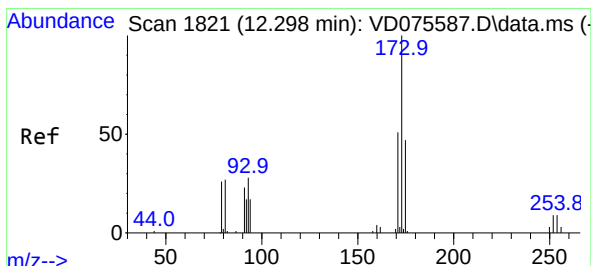
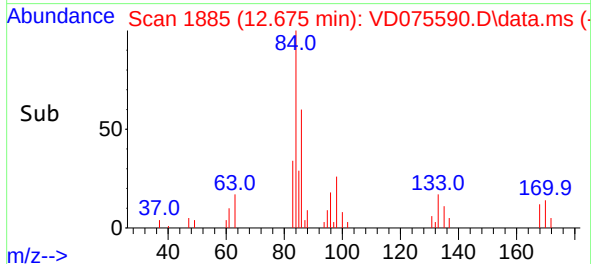
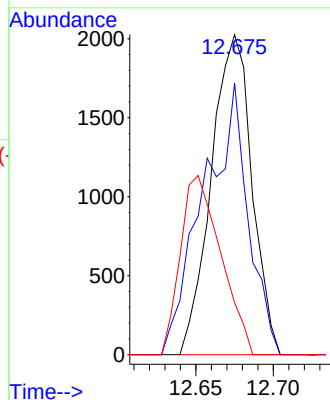
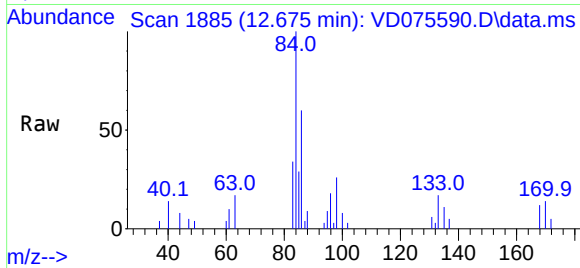




#57
1,1,2,2-Tetrachloroethane
Concen: 1.140 ug/L
RT: 12.675 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

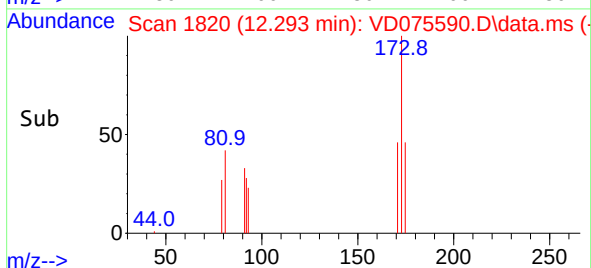
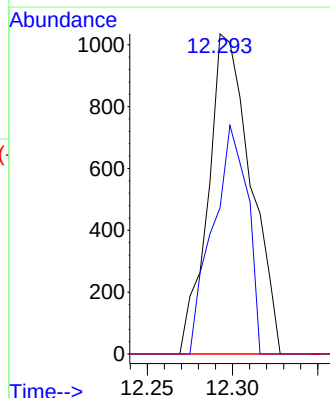
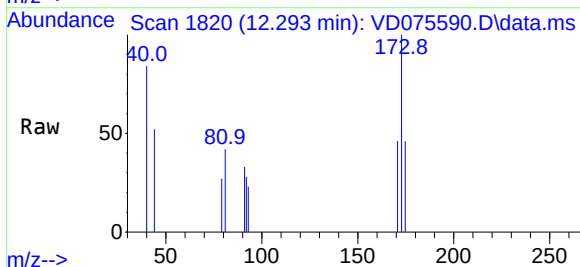
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT2-2023-03

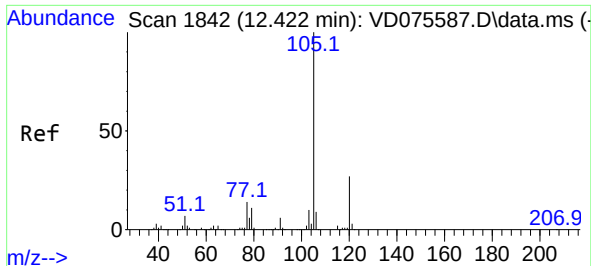
Tgt Ion: 83 Resp: 3692
Ion Ratio Lower Upper
83 100
85 84.8 48.7 90.5
131 16.2 9.3 13.9#



#59
Bromoform
Concen: 0.982 ug/L
RT: 12.293 min Scan# 1820
Delta R.T. -0.011 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

Tgt Ion:173 Resp: 1805
Ion Ratio Lower Upper
173 100
175 58.1 38.7 58.1
254 0.0 7.7 11.5#

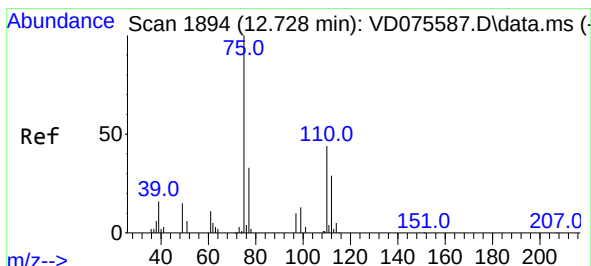
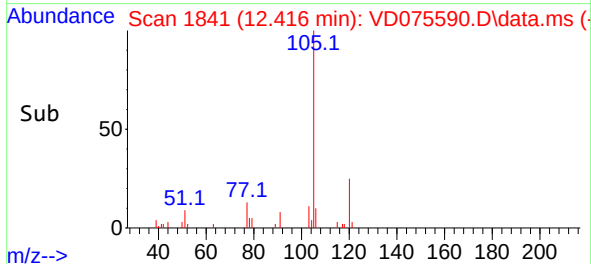
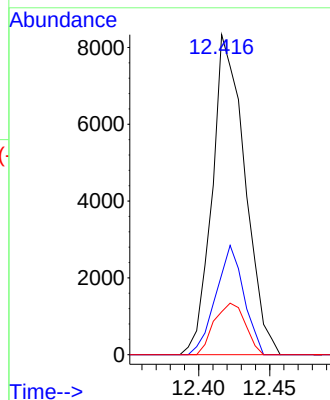
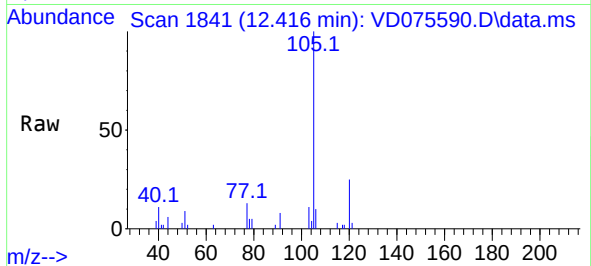




#60
Isopropylbenzene
Concen: 0.850 ug/L
RT: 12.416 min Scan# 1842
Delta R.T. -0.005 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

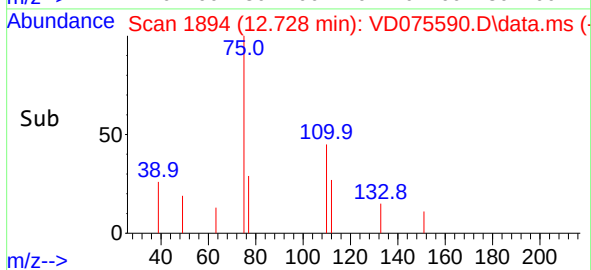
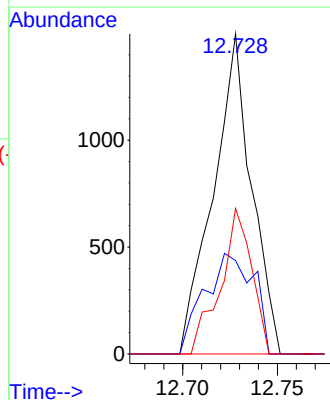
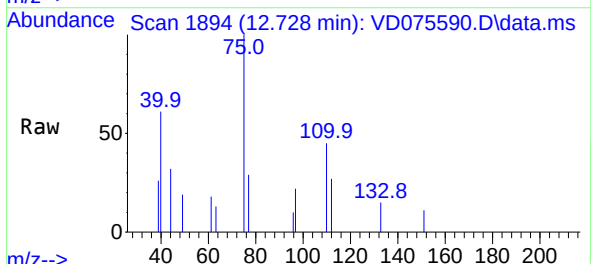
Instrument :
MSVOA_D
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MDL-SOIL-QT2-2023-03

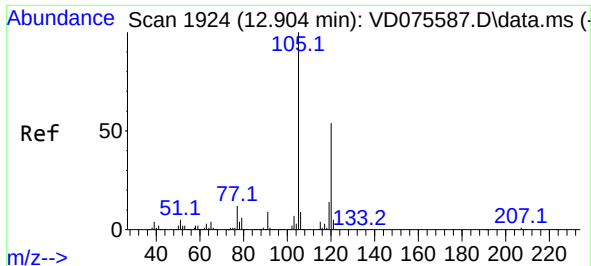
Tgt Ion:	105	Resp:	13342
Ion	Ratio	Lower	Upper
105	100		
120	29.3	22.5	33.7
77	15.3	10.7	16.1



#61
1,2,3-Trichloropropane
Concen: 1.117 ug/L
RT: 12.728 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

Tgt Ion:	75	Resp:	2102
Ion	Ratio	Lower	Upper
75	100		
77	33.8	25.7	38.5
110	37.2	35.9	53.9

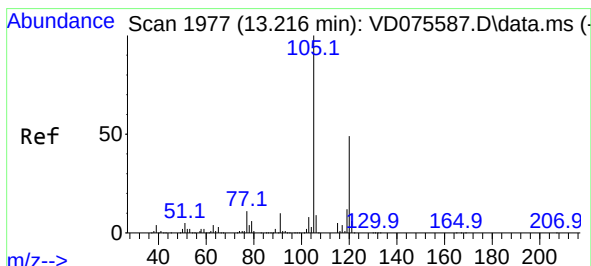
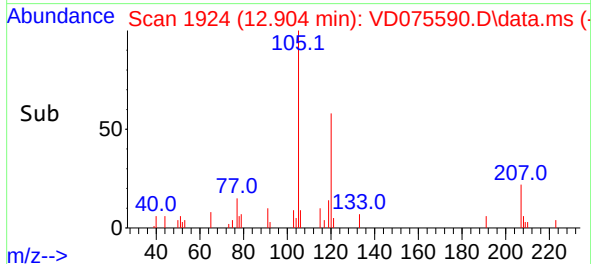
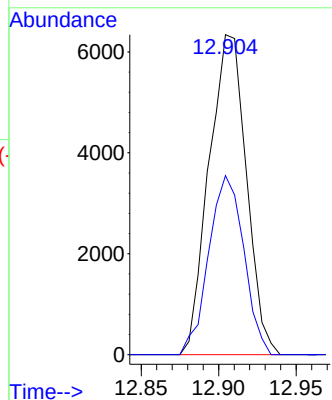
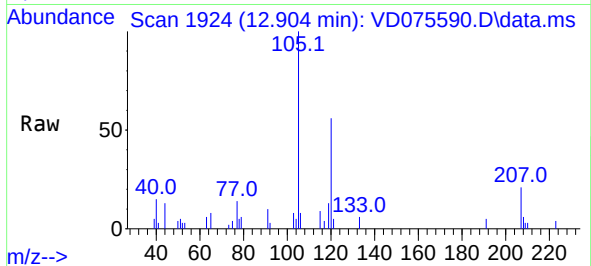




#62
1,3,5-Trimethylbenzene
Concen: 0.898 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. -0.005 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

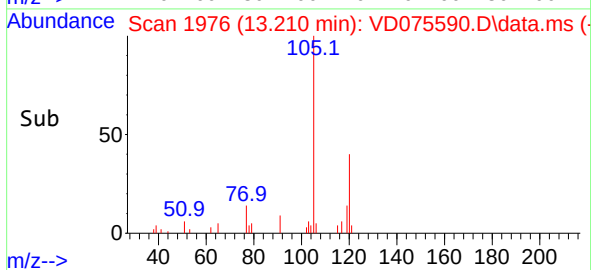
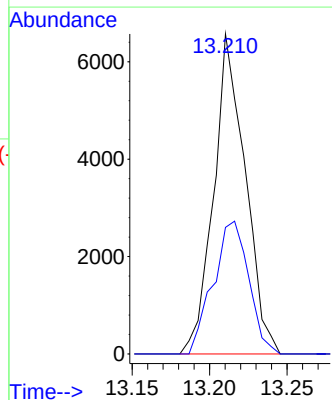
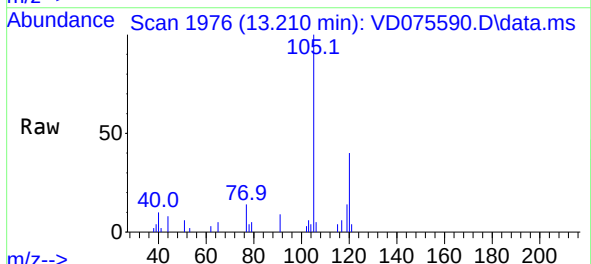
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2023-03

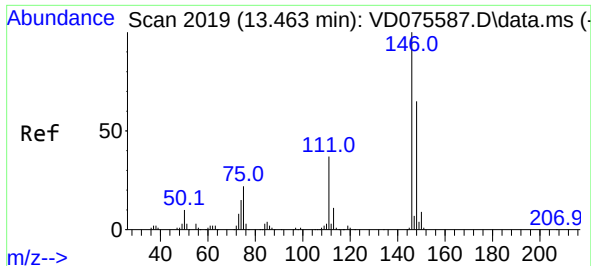
Tgt Ion:105 Resp: 10637
Ion Ratio Lower Upper
105 100
120 52.5 41.1 61.7



#63
1,2,4-Trimethylbenzene
Concen: 0.821 ug/L
RT: 13.210 min Scan# 1976
Delta R.T. -0.005 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

Tgt Ion:105 Resp: 9294
Ion Ratio Lower Upper
105 100
120 46.8 39.0 58.4

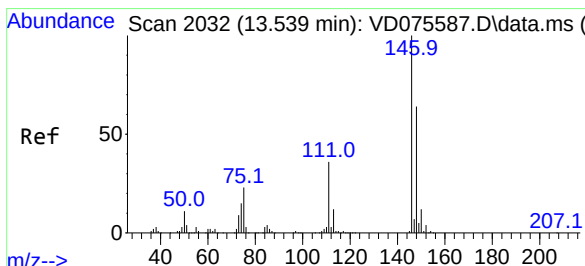
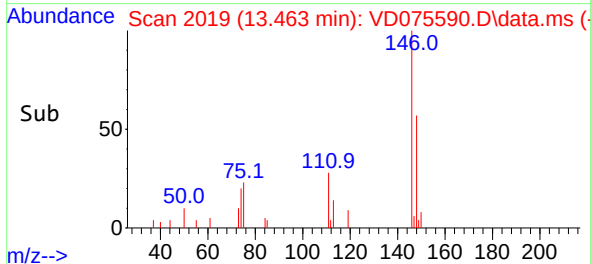
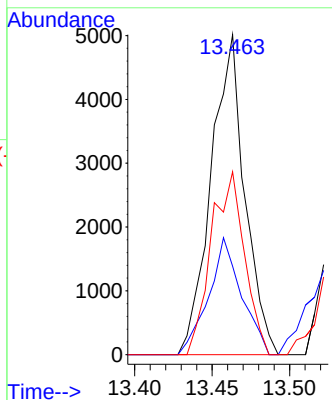
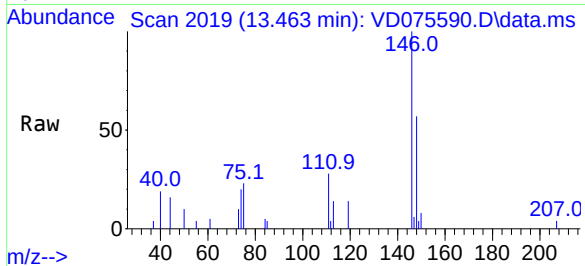




#64
1,3-Dichlorobenzene
Concen: 1.066 ug/L
RT: 13.463 min Scan# 2019
Delta R.T. 0.000 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

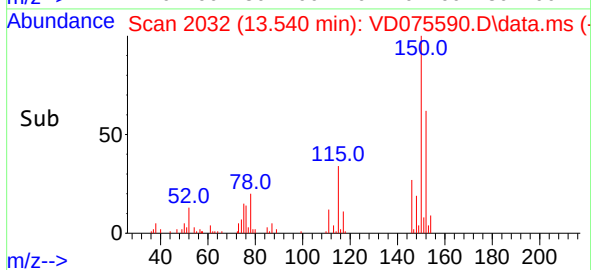
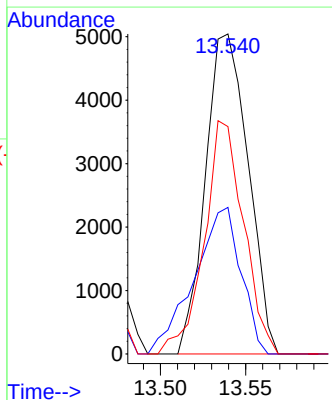
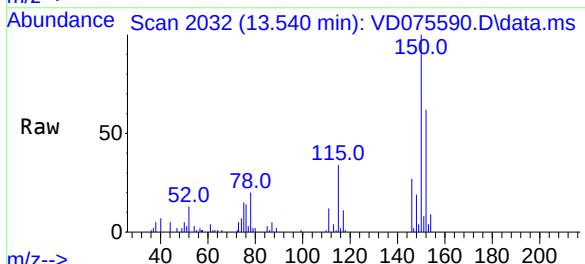
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2023-03

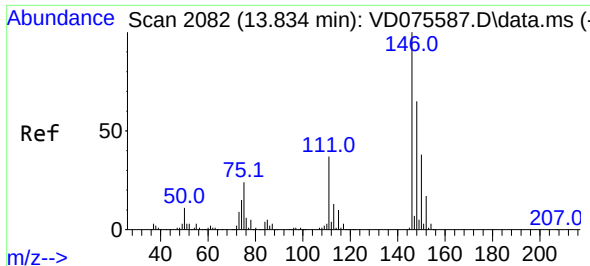
Tgt Ion:146	Resp:	7581	
Ion	Ratio	Lower	Upper
146	100		
111	27.6	26.2	48.8
148	57.2	44.6	82.8



#65
1,4-Dichlorobenzene
Concen: 1.185 ug/L
RT: 13.540 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

Tgt Ion:146	Resp:	8790	
Ion	Ratio	Lower	Upper
146	100		
111	45.8	26.0	48.4
148	71.1	44.3	82.3





#67

1,2-Dichlorobenzene

Concen: 1.128 ug/L

RT: 13.834 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VD075590.D

Acq: 06 Apr 2023 12:25

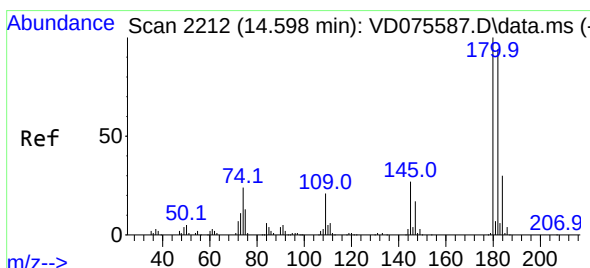
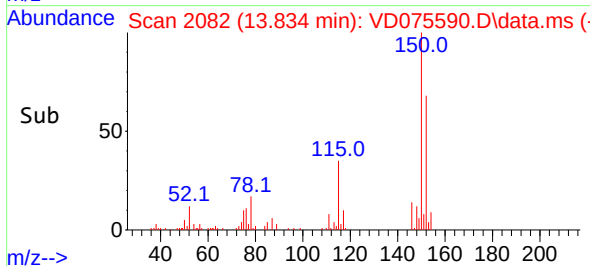
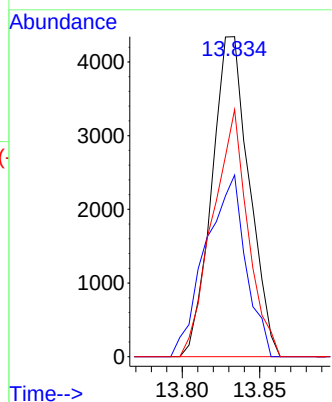
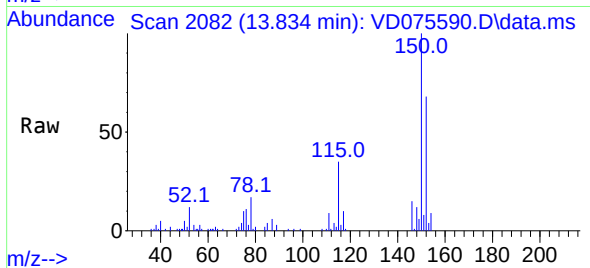
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT2-2023-03

Tgt Ion:146	Resp:	7264
Ion	Ratio	Lower Upper
146	100	
111	56.8	31.3 46.9#
148	77.2	52.8 79.2



#69

1,3,5-Trichlorobenzene

Concen: 1.071 ug/L

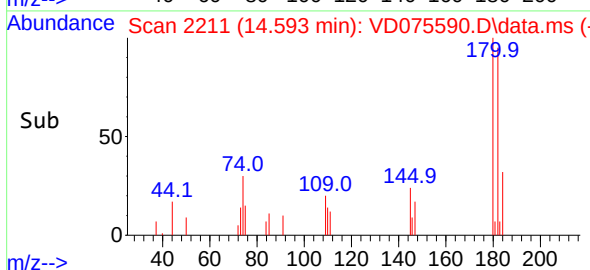
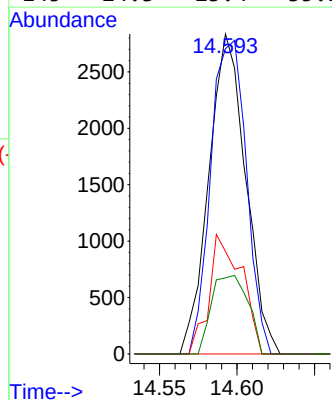
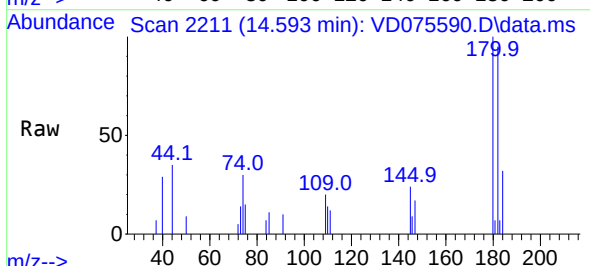
RT: 14.593 min Scan# 2211

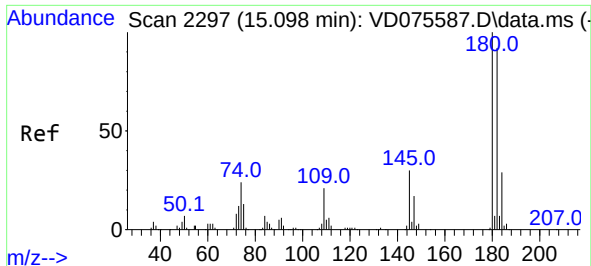
Delta R.T. -0.005 min

Lab File: VD075590.D

Acq: 06 Apr 2023 12:25

Tgt Ion:180	Resp:	4695
Ion	Ratio	Lower Upper
180	100	
182	94.6	76.9 115.3
184	32.9	24.6 36.8
145	24.3	23.4 35.2

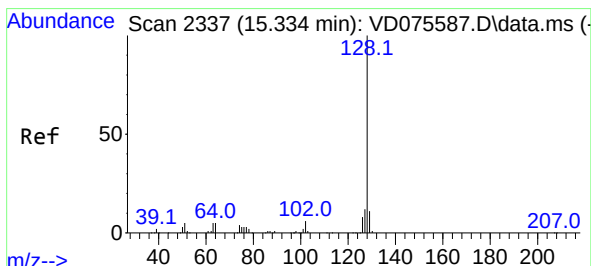
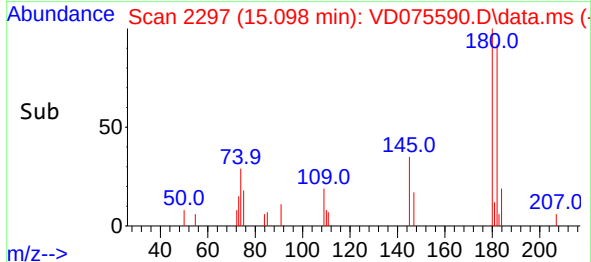
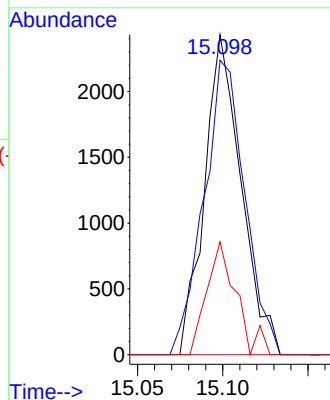
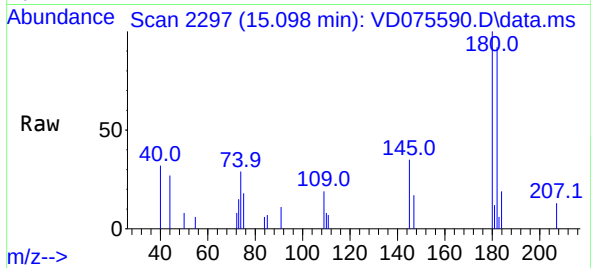




#70
1,2,4-trichlorobenzene
Concen: 1.025 ug/L
RT: 15.098 min Scan# 2297
Delta R.T. -0.005 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

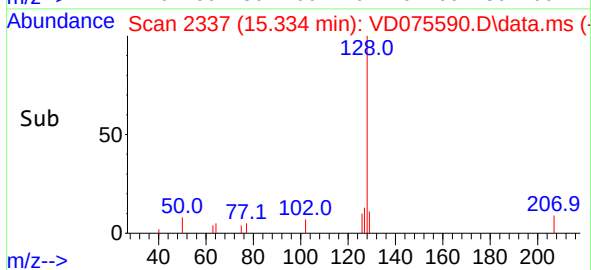
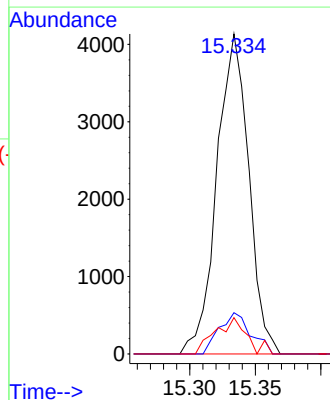
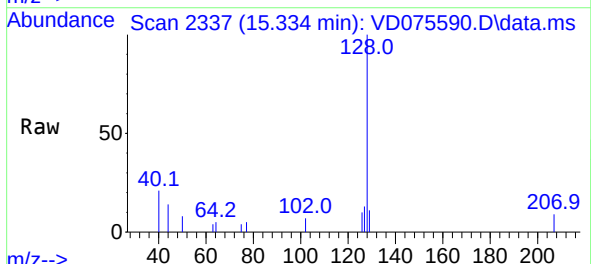
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT2-2023-03

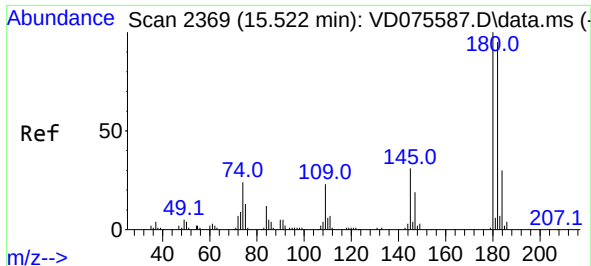
Tgt Ion:	180	Resp:	3638
Ion	Ratio	Lower	Upper
180	100		
182	102.8	74.2	111.2
145	26.2	22.9	34.3



#71
Naphthalene
Concen: 1.066 ug/L
RT: 15.334 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VD075590.D
Acq: 06 Apr 2023 12:25

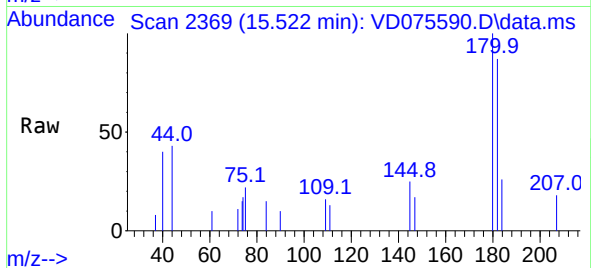
Tgt Ion:	128	Resp:	6993
Ion	Ratio	Lower	Upper
128	100		
127	11.8	10.3	15.5
129	10.4	8.5	12.7





#72
 1,2,3-Trichlorobenzene
 Concen: 1.102 ug/L
 RT: 15.522 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VD075590.D
 Acq: 06 Apr 2023 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT2-2023-03



Tgt Ion:	180	Resp:	3505
Ion	Ratio	Lower	Upper
180	100		
182	82.6	75.4	113.0
145	26.8	25.2	37.8

