

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080323\
 Data File : VD076918.D
 Acq On : 03 Aug 2023 14:45
 Operator : KP/SY
 Sample : 03573-03
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT3-2023-05

Quant Time: Aug 04 02:31:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM080323SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Aug 04 02:21:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	250684	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	253966	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	121921	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	158136	22.938	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.760%
7) Chloroethane-d5	2.799	69	155598	24.414	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.640%
11) 1,1-Dichloroethene-d2	3.917	65	37984	23.253	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.000%
21) 2-Butanone-d5	7.140	46	225	0.203	ug/L	0.15
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.400%#
24) Chloroform-d	7.563	84	199237	24.407	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.640%
26) 1,2-Dichloroethane-d4	8.228	65	104596	25.704	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.800%
32) Benzene-d6	8.199	84	406791	25.476	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.920%
36) 1,2-Dichloropropane-d6	9.210	67	128744	26.224	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.880%
41) Toluene-d8	10.269	98	371467	25.374	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.480%
43) trans-1,3-Dichloroprop...	10.528	79	52678	23.734	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.920%
47) 2-Hexanone-d5	10.875	63	47079	50.202	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.400%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	112597	23.735	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.960%
66) 1,2-Dichlorobenzene-d4	13.816	152	117121	26.276	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.120%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	5232	1.259	ug/L	95
3) Chloromethane	2.152	50	6834	1.268	ug/L	94
5) Vinyl chloride	2.281	62	8650	1.122	ug/L #	54
6) Bromomethane	2.693	94	6632	1.153	ug/L	96
8) Chloroethane	2.828	64	6157	1.186	ug/L	99
9) Trichlorofluoromethane	3.169	101	6147	0.963	ug/L #	37
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	2900	0.697	ug/L #	62
12) 1,1-Dichloroethene	3.946	96	4863	1.319	ug/L #	1
13) Acetone	4.028	43	5218	4.610	ug/L	58
14) Carbon disulfide	4.269	76	13189	1.030	ug/L	98
16) Methylene chloride	4.793	84	14504	2.758	ug/L	73
17) trans-1,2-Dichloroethene	5.299	96	2466	0.591	ug/L #	57
18) Methyl tert-butyl Ether	5.322	73	5776	0.626	ug/L #	93
19) 1,1-Dichloroethane	6.105	63	6059	0.869	ug/L #	87
20) cis-1,2-Dichloroethene	7.081	96	1512	0.324	ug/L	85
22) 2-Butanone	7.081	43	4235	2.674	ug/L	75
25) Chloroform	7.599	83	8828	1.156	ug/L	93
27) 1,2-Dichloroethane	8.322	62	5265	1.100	ug/L #	77
29) Cyclohexane	7.869	56	2652	0.474	ug/L #	73

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 Quant Title : SFAM01.0
 QLast Update : Fri Aug 04 02:21:25 2023
 Response via : Initial Calibration

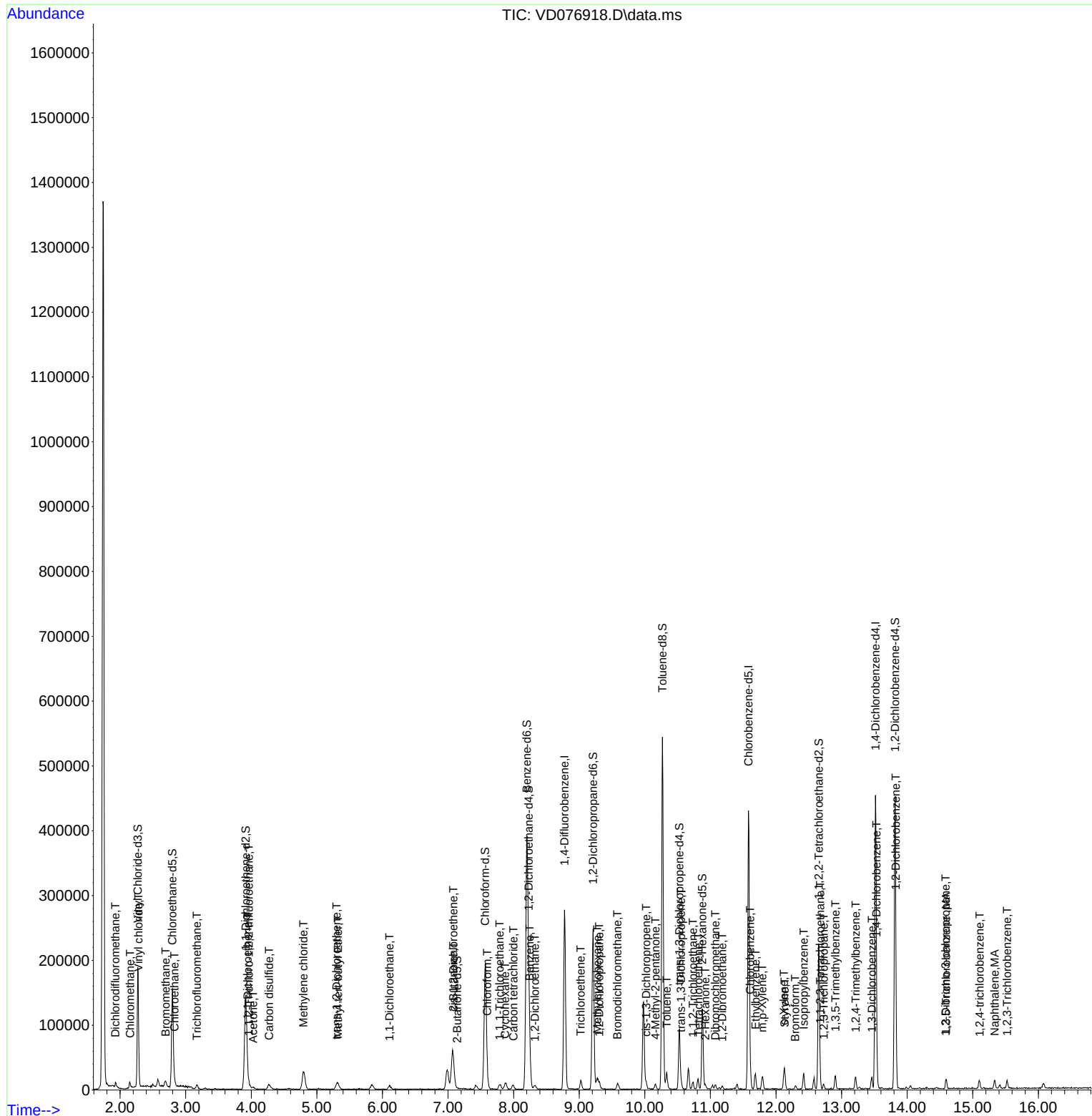
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 1,1,1-Trichloroethane	7.787	97	6517	1.036	ug/L #	67
31) Carbon tetrachloride	7.999	117	4991	0.969	ug/L	99
33) Benzene	8.246	78	16588	0.996	ug/L	100
34) Trichloroethene	9.022	95	4237	0.977	ug/L #	73
35) Methylcyclohexane	9.275	83	6543	0.925	ug/L #	87
37) 1,2-Dichloropropane	9.304	63	4516	1.068	ug/L #	88
38) Bromodichloromethane	9.581	83	5534	0.950	ug/L #	74
39) cis-1,3-Dichloropropene	10.022	75	5842	0.856	ug/L	100
40) 4-Methyl-2-pentanone	10.163	43	4515	1.695	ug/L #	77
42) Toluene	10.334	91	17864	0.987	ug/L	89
44) trans-1,3-Dichloropropene	10.551	75	5901	0.989	ug/L	95
45) 1,1,2-Trichloroethane	10.734	97	3999	1.064	ug/L	88
46) Tetrachloroethene	10.816	164	3521	1.078	ug/L #	76
48) 2-Hexanone	10.922	43	3419	1.669	ug/L	99
49) Dibromochloromethane	11.075	129	3761	0.900	ug/L	92
50) 1,2-Dibromoethane	11.181	107	3175	0.866	ug/L #	73
51) Chlorobenzene	11.604	112	11905	1.009	ug/L	96
52) Ethylbenzene	11.687	91	17323	0.898	ug/L	90
53) m,p-Xylene	11.793	106	6293	0.846	ug/L	64
54) o-Xylene	12.122	106	5260	0.735	ug/L	83
55) Styrene	12.134	104	9235	0.714	ug/L #	77
57) 1,1,2,2-Tetrachloroethane	12.675	83	4562	0.981	ug/L	93
59) Bromoform	12.293	173	2203	0.911	ug/L #	92
60) Isopropylbenzene	12.422	105	15571	0.888	ug/L	99
61) 1,2,3-Trichloropropane	12.728	75	3311	1.164	ug/L #	49
62) 1,3,5-Trimethylbenzene	12.904	105	11385	0.852	ug/L	98
63) 1,2,4-Trimethylbenzene	13.216	105	10810	0.813	ug/L	95
64) 1,3-Dichlorobenzene	13.463	146	7932	0.991	ug/L #	91
65) 1,4-Dichlorobenzene	13.534	146	8159	0.986	ug/L	90
67) 1,2-Dichlorobenzene	13.828	146	8500	1.133	ug/L #	88
68) 1,2-Dibromo-3-chloropr...	14.587	75	1057	1.621	ug/L #	1
69) 1,3,5-Trichlorobenzene	14.592	180	5385	1.075	ug/L	96
70) 1,2,4-trichlorobenzene	15.104	180	4249	0.965	ug/L	98
71) Naphthalene	15.334	128	11010	1.063	ug/L #	96
72) 1,2,3-Trichlorobenzene	15.522	180	4197	1.051	ug/L	97

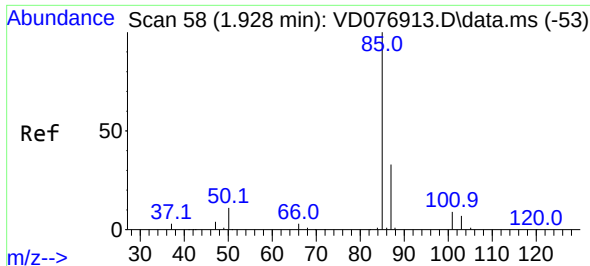
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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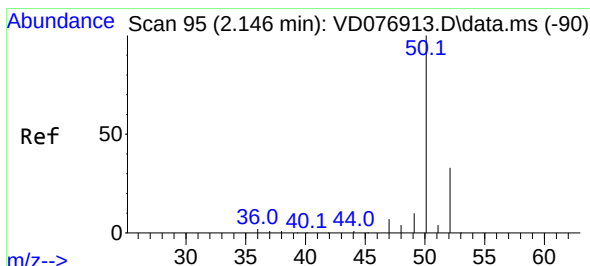
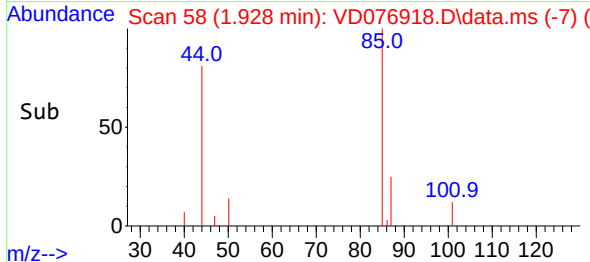
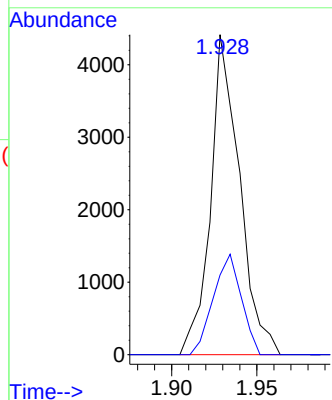
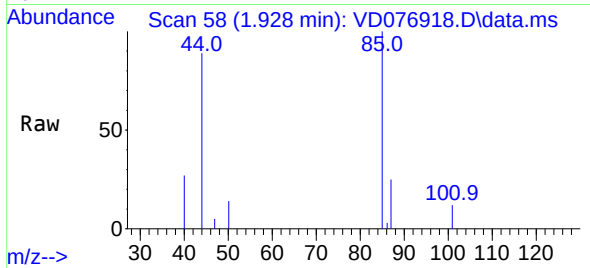




#2
 Dichlorodifluoromethane
 Concen: 1.259 ug/L
 RT: 1.928 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VD076918.D
 Acq: 03 Aug 2023 14:45

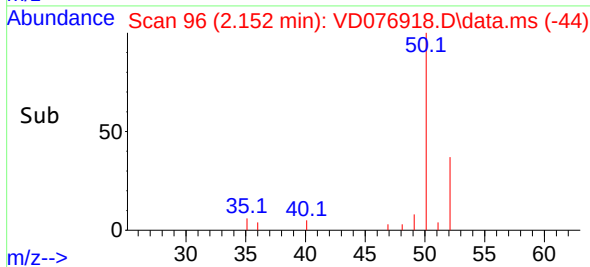
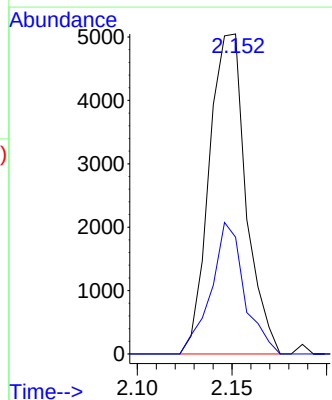
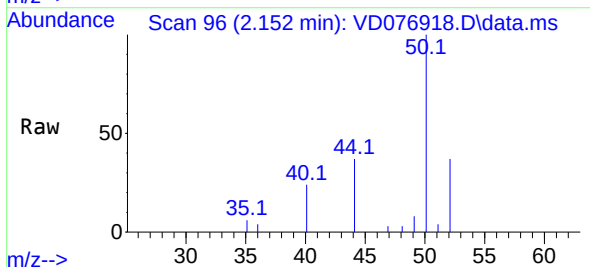
Instrument :
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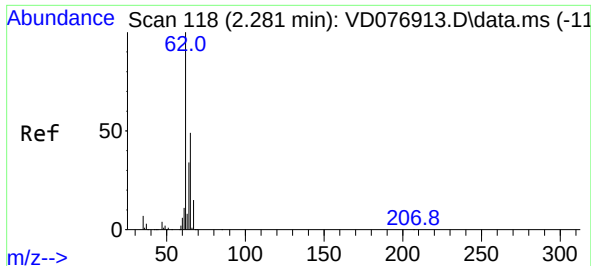
Tgt Ion: 85 Resp: 5232
 Ion Ratio Lower Upper
 85 100
 87 30.3 26.3 39.5



#3
 Chloromethane
 Concen: 1.268 ug/L
 RT: 2.152 min Scan# 96
 Delta R.T. 0.006 min
 Lab File: VD076918.D
 Acq: 03 Aug 2023 14:45

Tgt Ion: 50 Resp: 6834
 Ion Ratio Lower Upper
 50 100
 52 36.5 23.2 43.2

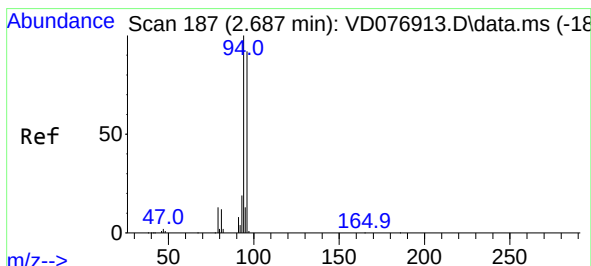
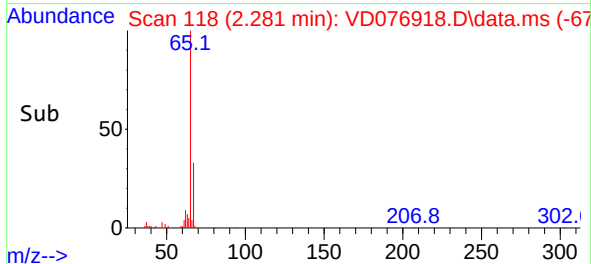
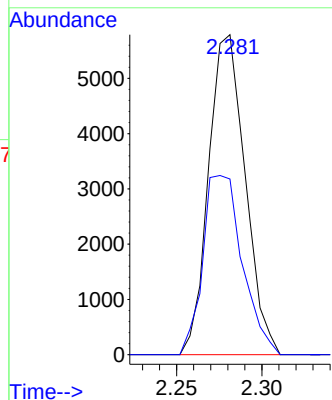
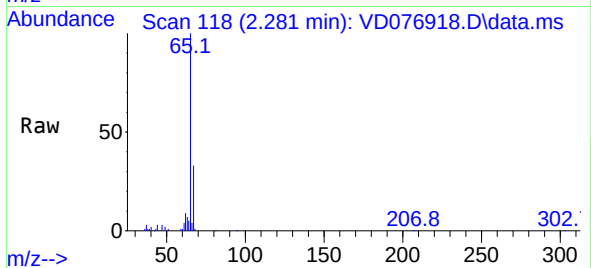




#5
Vinyl chloride
Concen: 1.122 ug/L
RT: 2.281 min Scan# 118
Delta R.T. 0.000 min
Lab File: VD076918.D
Acq: 03 Aug 2023 14:45

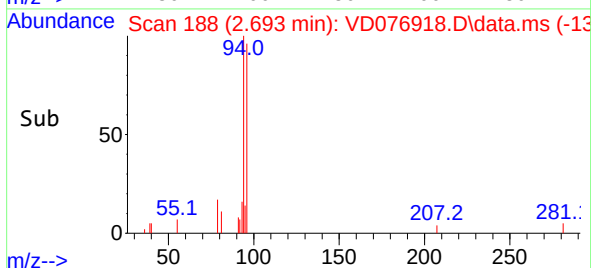
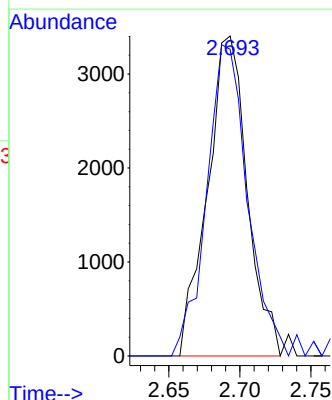
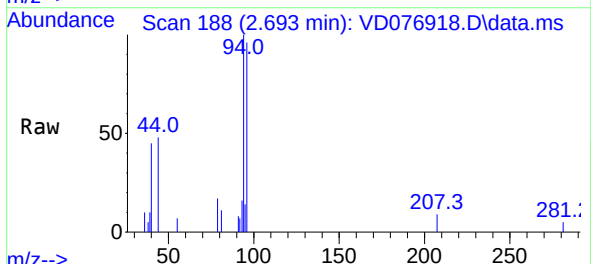
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2023-05

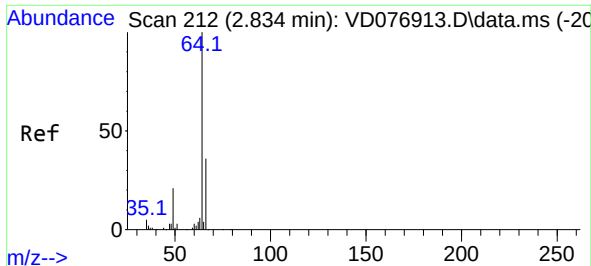
Tgt Ion: 62 Resp: 8650
Ion Ratio Lower Upper
62 100
64 54.9 21.1 39.1#



#6
Bromomethane
Concen: 1.153 ug/L
RT: 2.693 min Scan# 188
Delta R.T. 0.006 min
Lab File: VD076918.D
Acq: 03 Aug 2023 14:45

Tgt Ion: 94 Resp: 6632
Ion Ratio Lower Upper
94 100
96 95.9 64.7 120.1

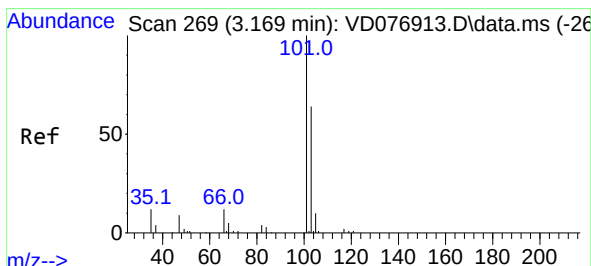
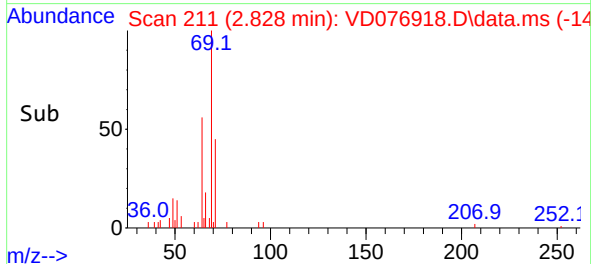
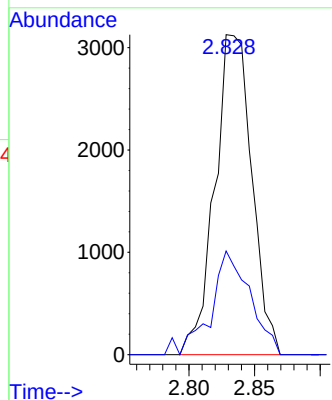
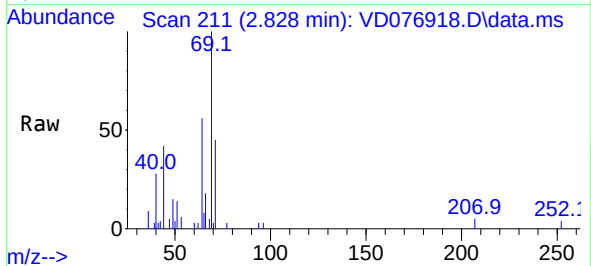




#8
Chloroethane
Concen: 1.186 ug/L
RT: 2.828 min Scan# 211
Delta R.T. -0.006 min
Lab File: VD076918.D
Acq: 03 Aug 2023 14:45

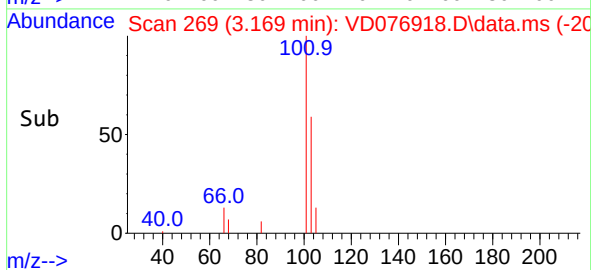
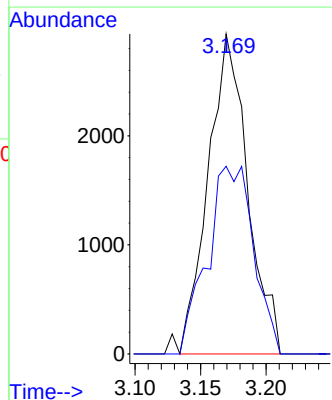
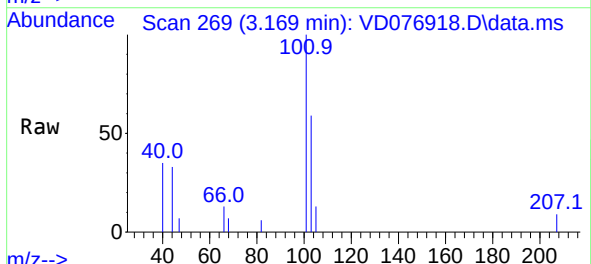
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2023-05

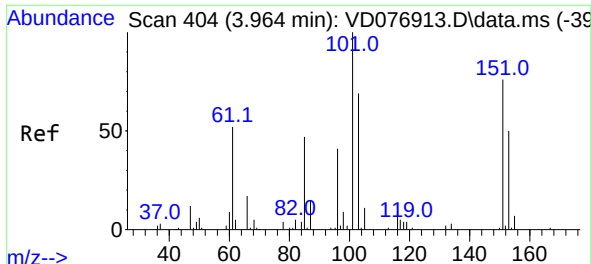
Tgt Ion: 64 Resp: 6157
Ion Ratio Lower Upper
64 100
66 32.4 22.1 41.1



#9
Trichlorofluoromethane
Concen: 0.963 ug/L
RT: 3.169 min Scan# 269
Delta R.T. 0.000 min
Lab File: VD076918.D
Acq: 03 Aug 2023 14:45

Tgt Ion:101 Resp: 6147
Ion Ratio Lower Upper
101 100
103 14.9 51.8 77.6#

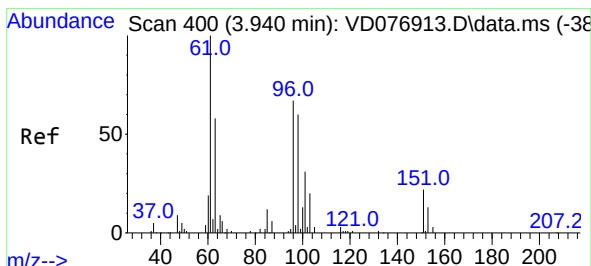
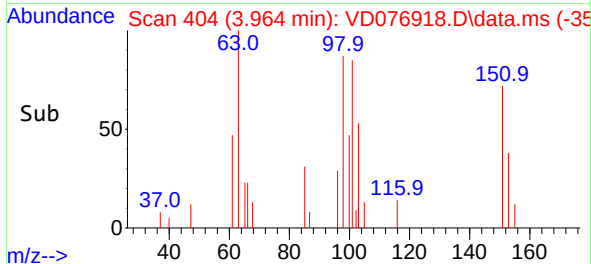
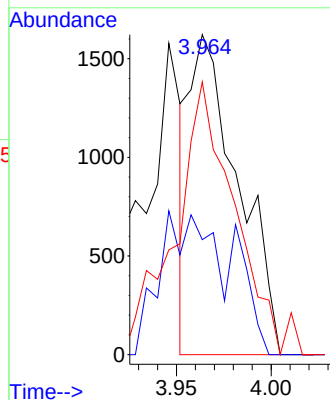
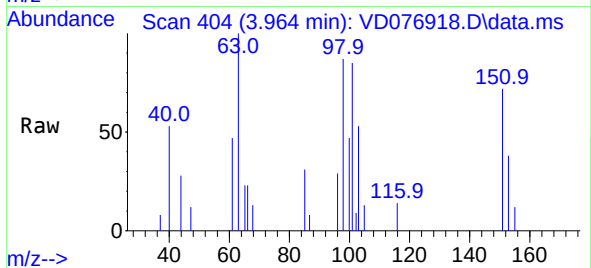




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.697 ug/L
 RT: 3.964 min Scan# 404
 Delta R.T. 0.000 min
 Lab File: VD076918.D
 Acq: 03 Aug 2023 14:45

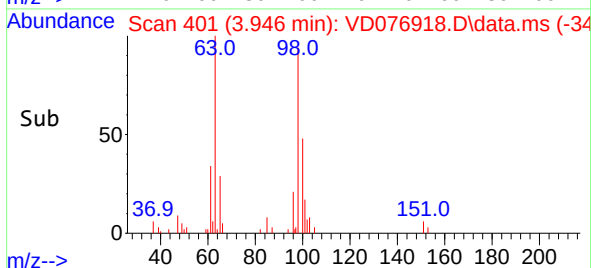
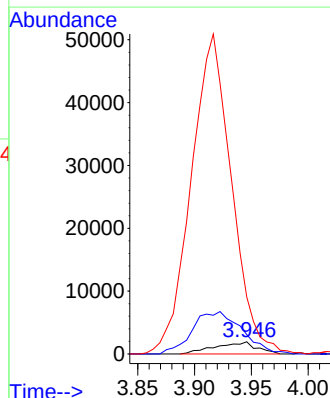
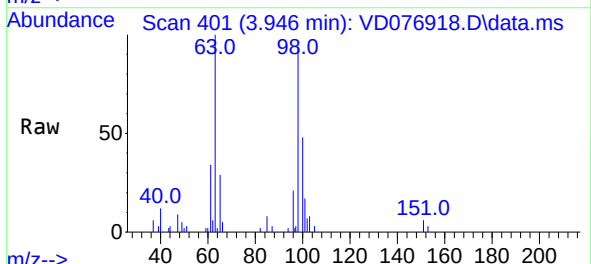
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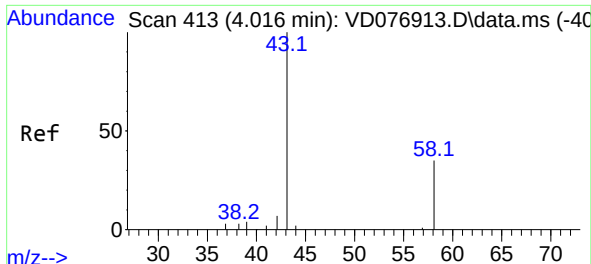
Tgt Ion:	101	Resp:	2900
Ion	Ratio	Lower	Upper
101	100		
85	15.1	35.5	53.3#
151	102.0	58.6	87.8#



#12
 1,1-Dichloroethene
 Concen: 1.319 ug/L
 RT: 3.946 min Scan# 401
 Delta R.T. 0.006 min
 Lab File: VD076918.D
 Acq: 03 Aug 2023 14:45

Tgt Ion:	96	Resp:	4863
Ion	Ratio	Lower	Upper
96	100		
61	146.5	113.0	209.8
63	431.5	83.6	155.2#

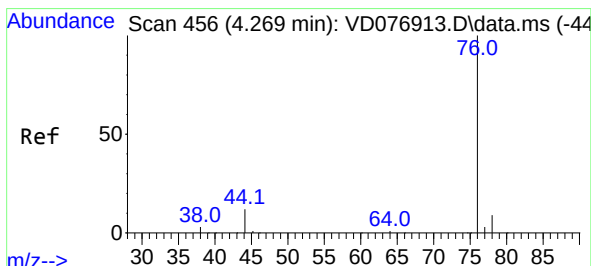
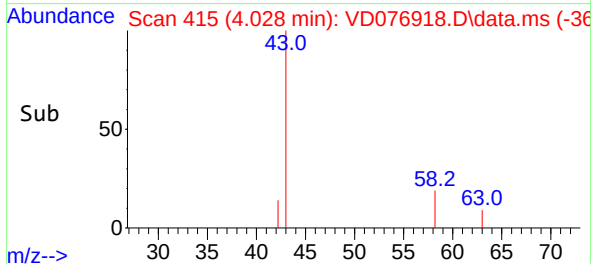
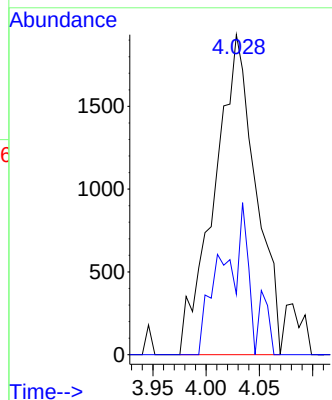
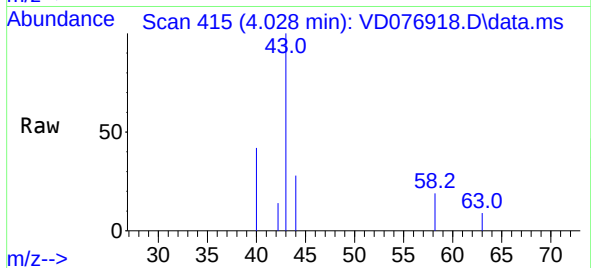




#13
Acetone
Concen: 4.610 ug/L
RT: 4.028 min Scan# 413
Delta R.T. 0.012 min
Lab File: VD076918.D
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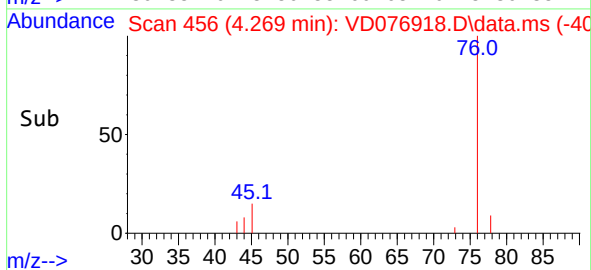
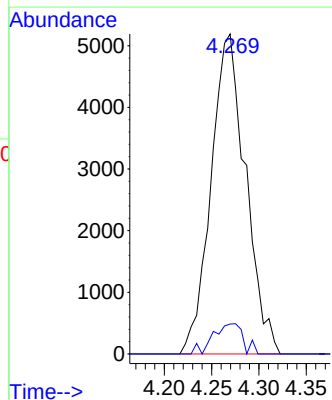
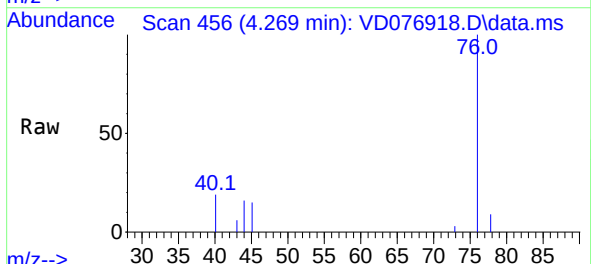
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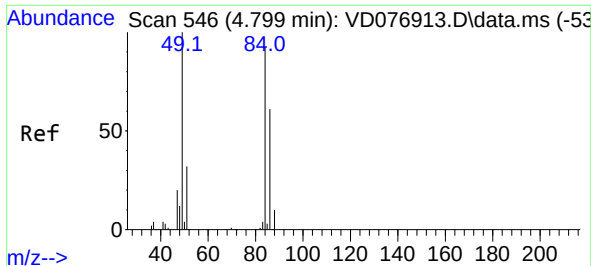
Tgt Ion: 43 Resp: 5218
Ion Ratio Lower Upper
43 100
58 9.8 0.0 67.4



#14
Carbon disulfide
Concen: 1.030 ug/L
RT: 4.269 min Scan# 456
Delta R.T. 0.000 min
Lab File: VD076918.D
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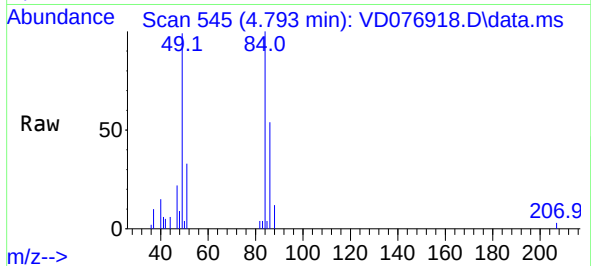
Tgt Ion: 76 Resp: 13189
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.4



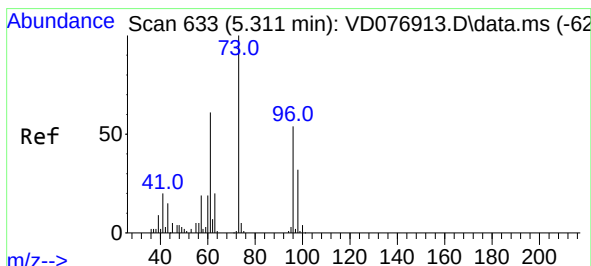
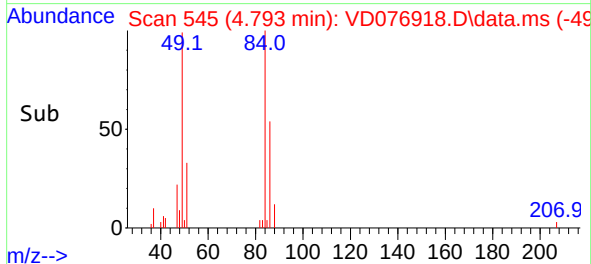
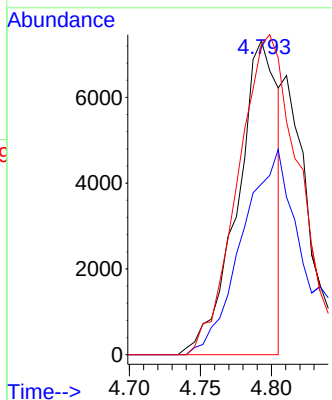


#16
Methylene chloride
Concen: 2.758 ug/L
RT: 4.793 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD076918.D
Acq: 03 Aug 2023 14:45

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2023-05

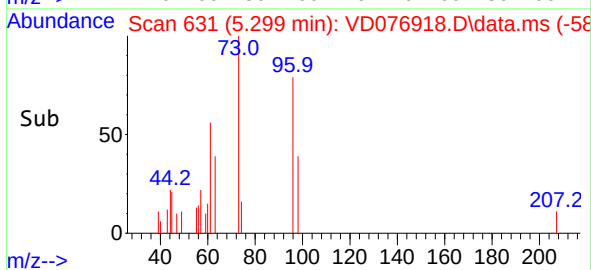
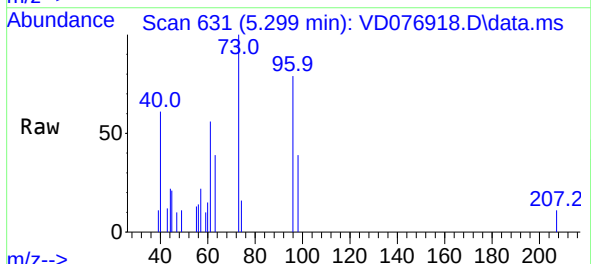
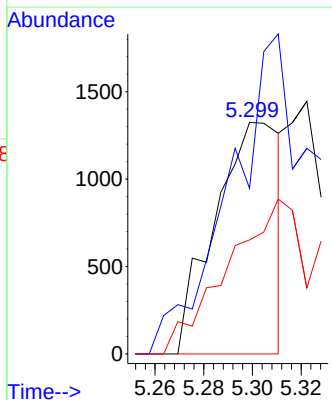


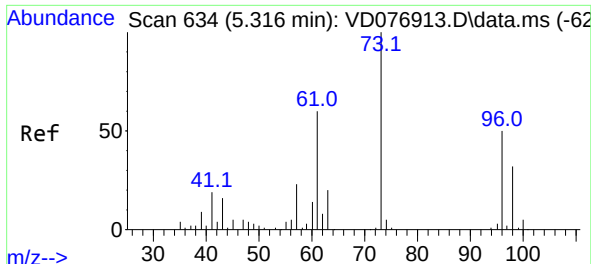
Tgt Ion: 84 Resp: 14504
Ion Ratio Lower Upper
84 100
86 54.3 45.1 83.9
49 98.7 97.2 180.6



#17
trans-1,2-Dichloroethene
Concen: 0.591 ug/L
RT: 5.299 min Scan# 631
Delta R.T. -0.012 min
Lab File: VD076918.D
Acq: 03 Aug 2023 14:45

Tgt Ion: 96 Resp: 2466
Ion Ratio Lower Upper
96 100
61 71.5 94.5 175.5#
98 49.2 46.0 85.4

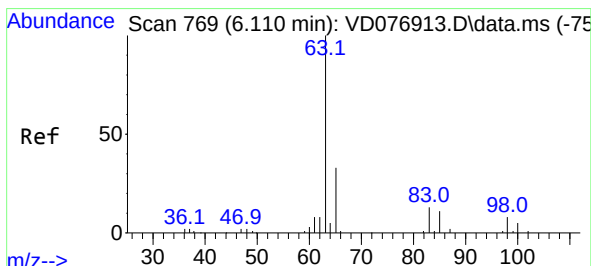
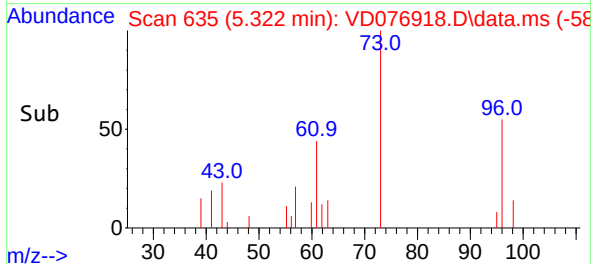
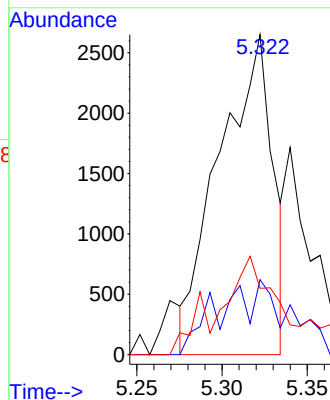
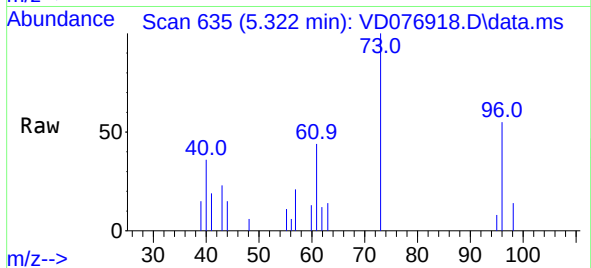




#18
Methyl tert-butyl Ether
Concen: 0.626 ug/L
RT: 5.322 min Scan# 61
Delta R.T. 0.006 min
Lab File: VD076918.D
Acq: 03 Aug 2023 14:45

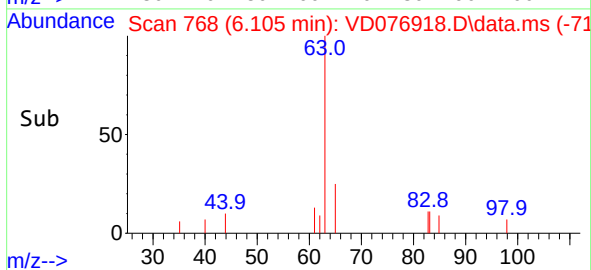
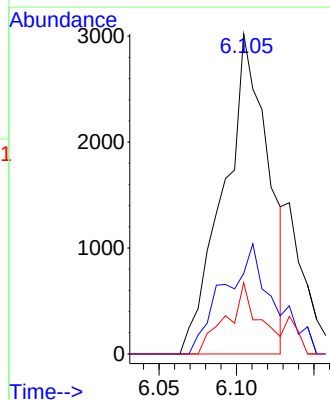
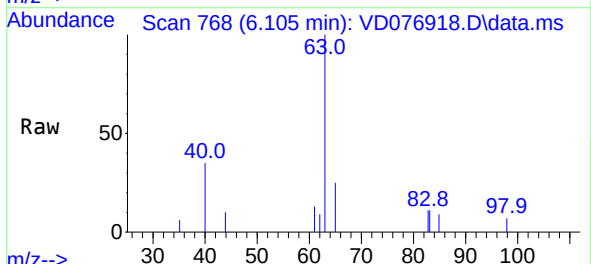
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2023-05

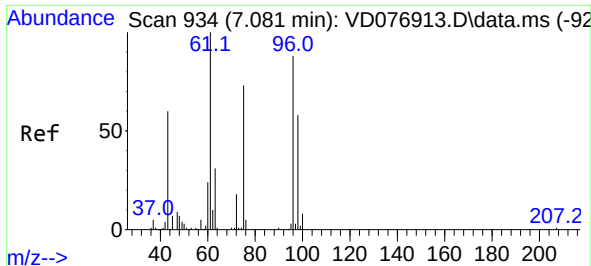
Tgt Ion: 73 Resp: 5776
Ion Ratio Lower Upper
73 100
43 4.8 7.2 10.8#
57 26.2 18.6 28.0



#19
1,1-Dichloroethane
Concen: 0.869 ug/L
RT: 6.105 min Scan# 768
Delta R.T. -0.006 min
Lab File: VD076918.D
Acq: 03 Aug 2023 14:45

Tgt Ion: 63 Resp: 6059
Ion Ratio Lower Upper
63 100
65 25.2 20.8 38.6
83 22.2 8.9 16.5#

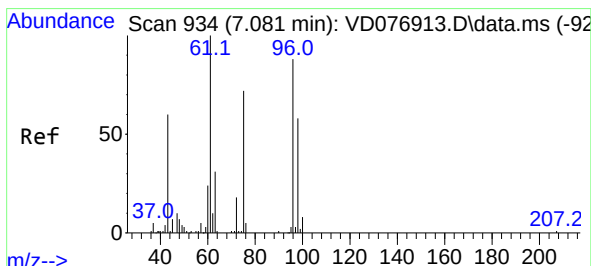
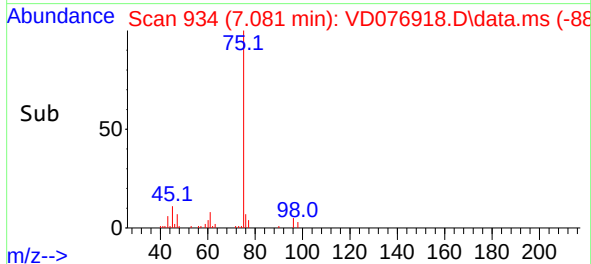
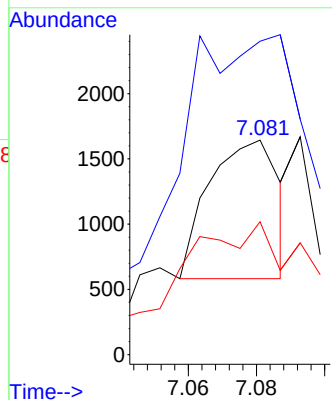
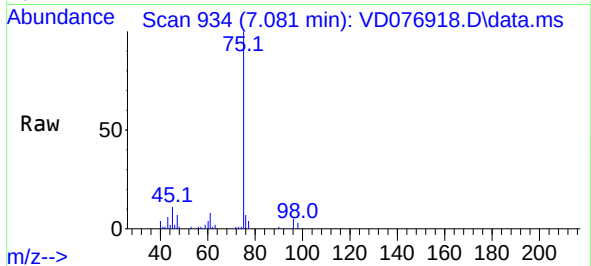




#20
 cis-1,2-Dichloroethene
 Concen: 0.324 ug/L
 RT: 7.081 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VD076918.D
 Acq: 03 Aug 2023 14:45

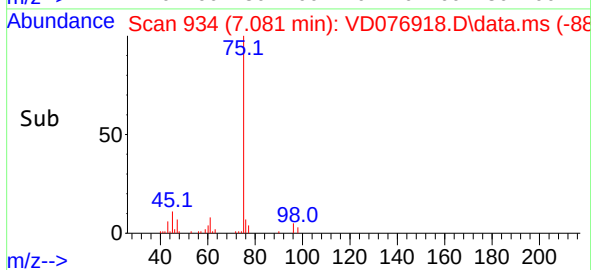
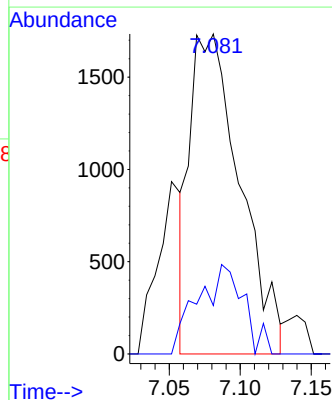
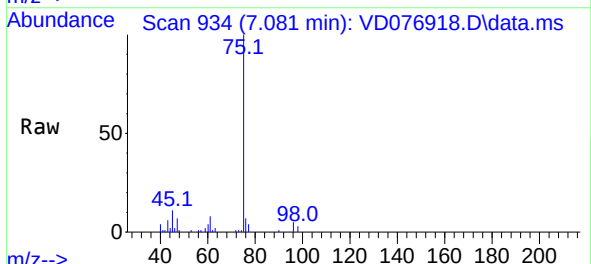
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-QT3-2023-05

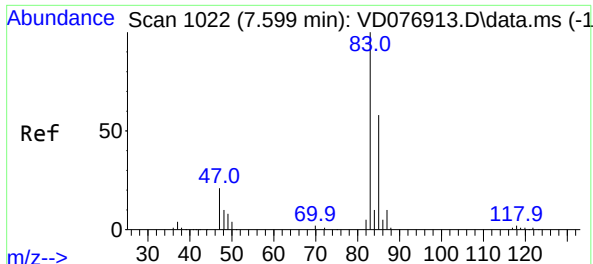
Tgt Ion:	96	Resp:	1512
Ion	Ratio	Lower	Upper
96	100		
61	146.1	86.0	159.6
98	62.0	42.2	78.4



#22
 2-Butanone
 Concen: 2.674 ug/L
 RT: 7.081 min Scan# 934
 Delta R.T. 0.000 min
 Lab File: VD076918.D
 Acq: 03 Aug 2023 14:45

Tgt Ion:	43	Resp:	4235
Ion	Ratio	Lower	Upper
43	100		
72	13.0	12.9	38.7

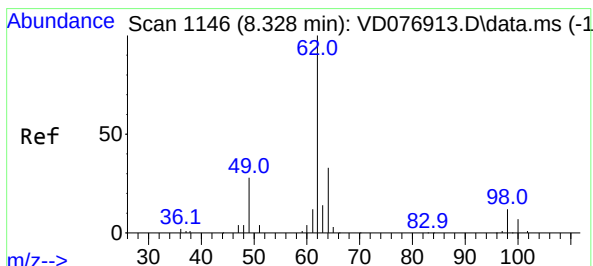
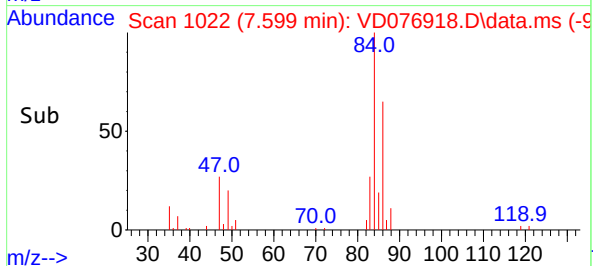
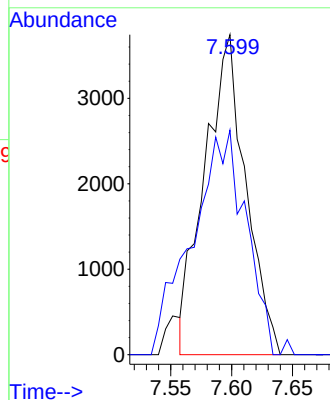
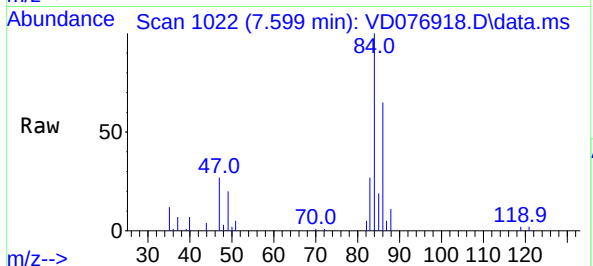




#25
Chloroform
Concen: 1.156 ug/L
RT: 7.599 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VD076918.D
Acq: 03 Aug 2023 14:45

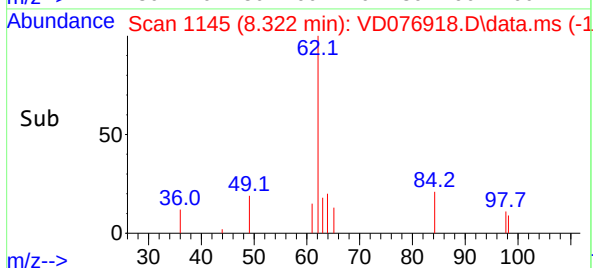
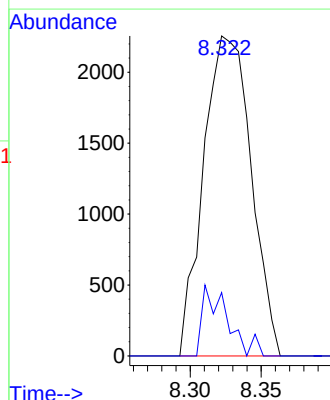
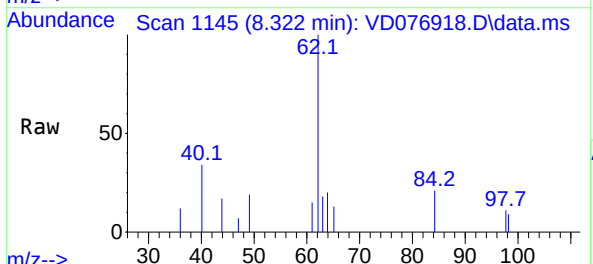
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT3-2023-05

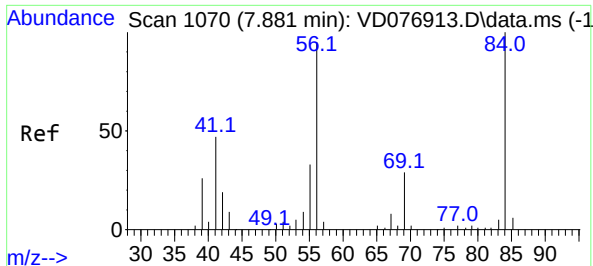
Tgt Ion: 83 Resp: 8828
Ion Ratio Lower Upper
83 100
85 70.1 45.4 84.4



#27
1,2-Dichloroethane
Concen: 1.100 ug/L
RT: 8.322 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VD076918.D
Acq: 03 Aug 2023 14:45

Tgt Ion: 62 Resp: 5265
Ion Ratio Lower Upper
62 100
98 19.8 8.7 13.1#





#29

Cyclohexane

Concen: 0.474 ug/L

RT: 7.869 min Scan# 1068

Delta R.T. -0.012 min

Lab File: VD076918.D

Acq: 03 Aug 2023 14:45

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT3-2023-05

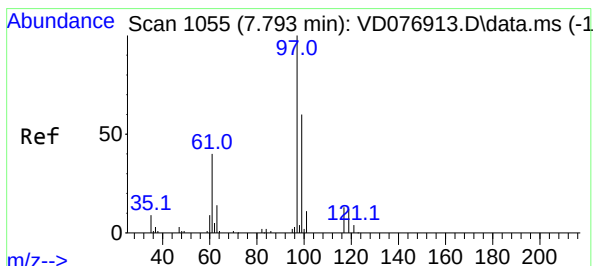
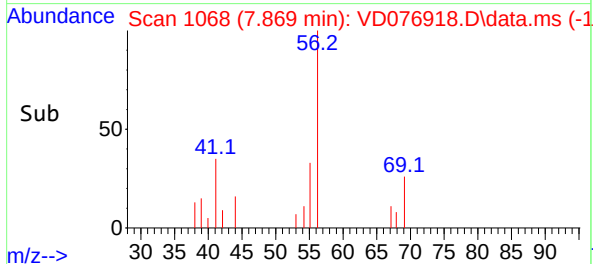
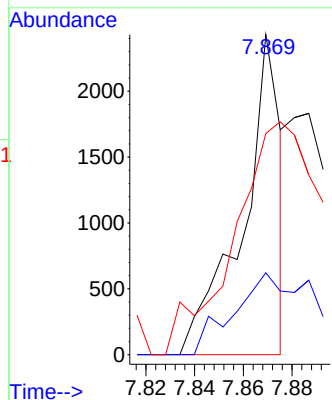
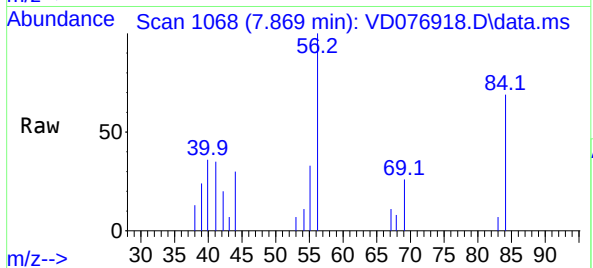
Tgt Ion: 56 Resp: 2652

Ion Ratio Lower Upper

56 100

69 31.6 23.4 35.0

84 113.9 66.3 99.5#



#30

1,1,1-Trichloroethane

Concen: 1.036 ug/L

RT: 7.787 min Scan# 1054

Delta R.T. -0.006 min

Lab File: VD076918.D

Acq: 03 Aug 2023 14:45

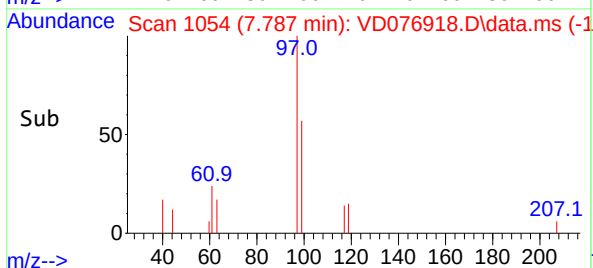
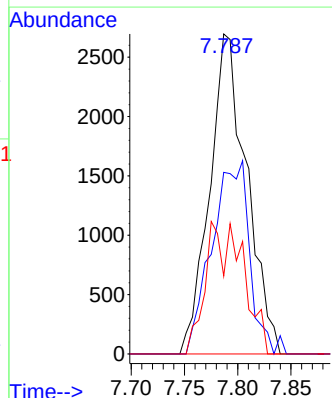
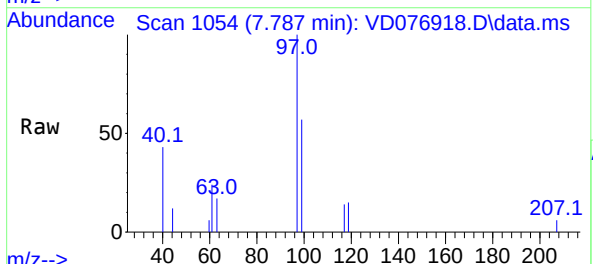
Tgt Ion: 97 Resp: 6517

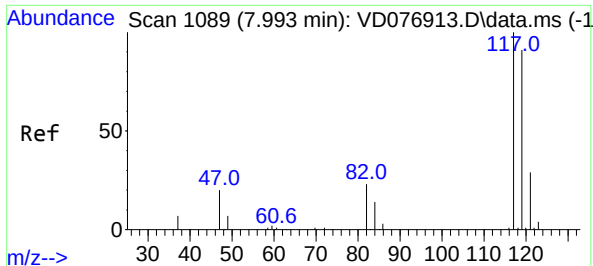
Ion Ratio Lower Upper

97 100

99 42.6 51.0 76.6#

61 19.0 36.4 54.6#

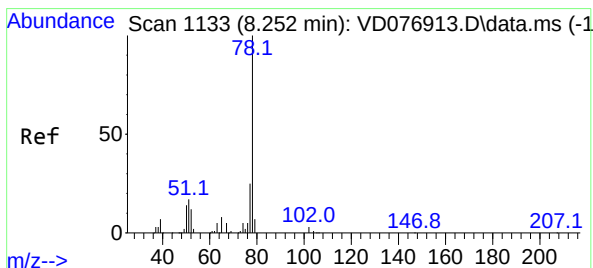
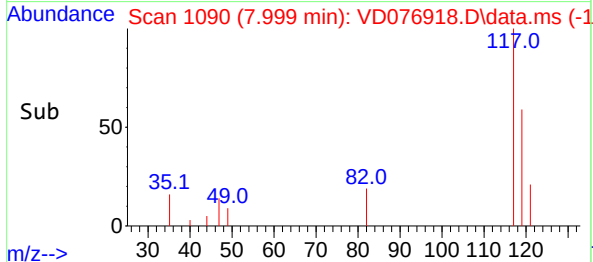
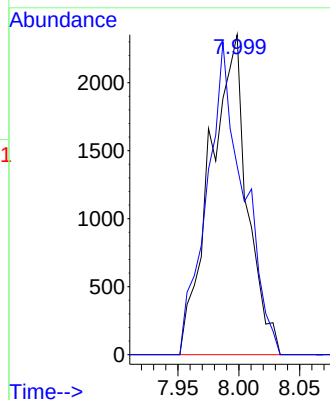
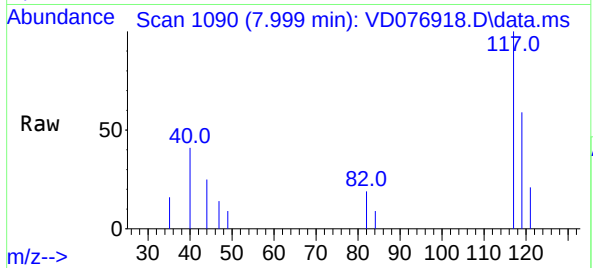




#31
Carbon tetrachloride
Concen: 0.969 ug/L
RT: 7.999 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VD076918.D
Acq: 03 Aug 2023 14:45

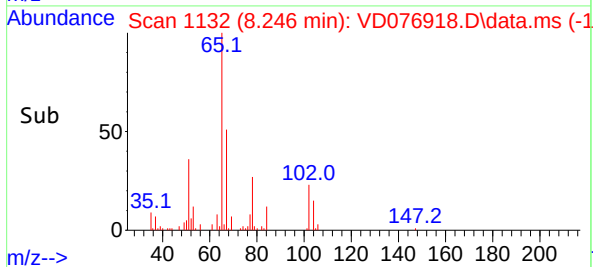
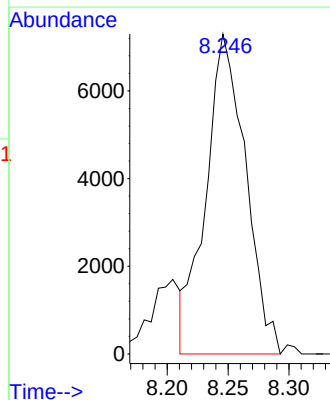
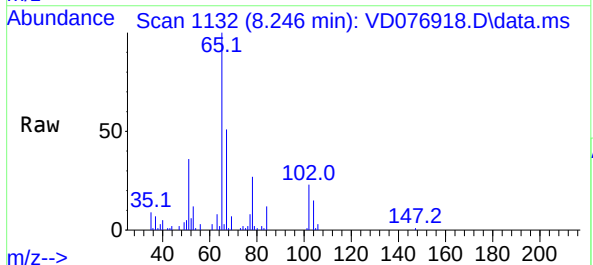
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2023-05

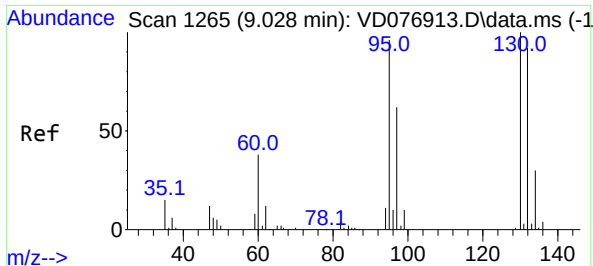
Tgt Ion:117 Resp: 4991
Ion Ratio Lower Upper
117 100
119 96.1 77.8 116.6



#33
Benzene
Concen: 0.996 ug/L
RT: 8.246 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VD076918.D
Acq: 03 Aug 2023 14:45

Tgt Ion: 78 Resp: 16588



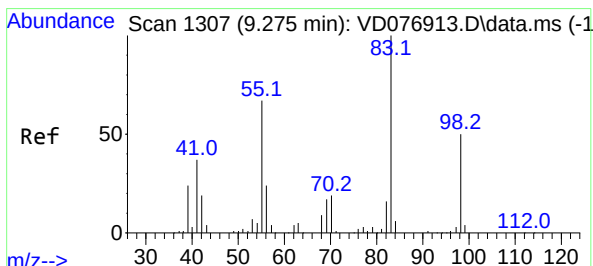
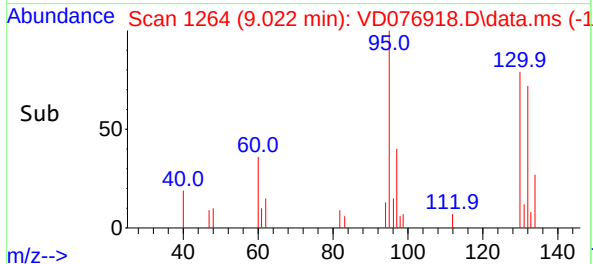
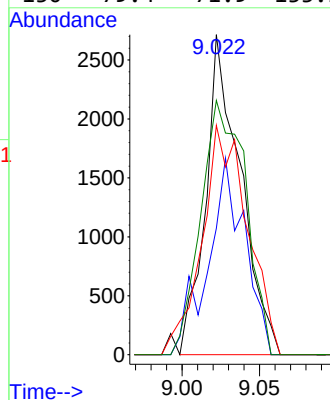
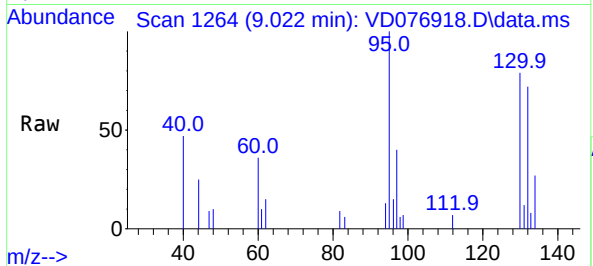


#34
Trichloroethene
Concen: 0.977 ug/L
RT: 9.022 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD076918.D
Acq: 03 Aug 2023 14:45

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2023-05

Tgt Ion: 95 Resp: 4237

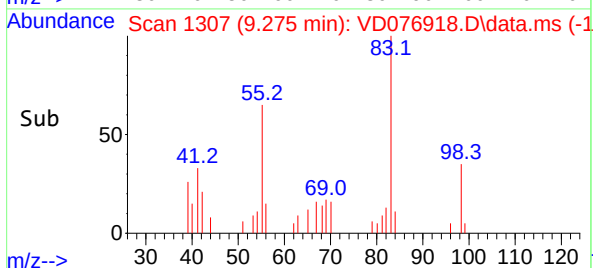
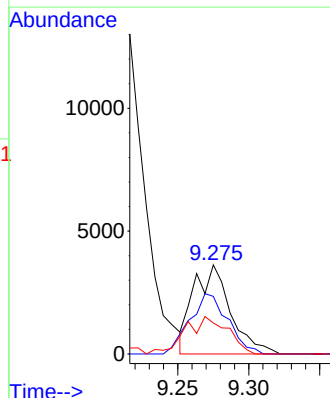
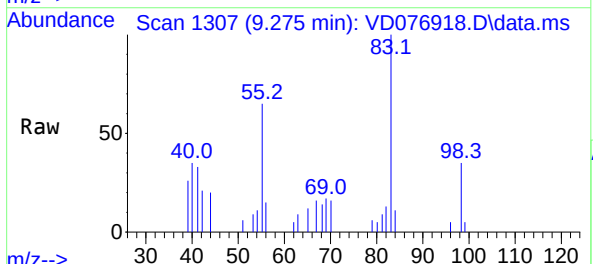
Ion	Ratio	Lower	Upper
95	100		
97	39.5	43.1	80.1#
132	71.7	71.8	133.4#
130	79.4	71.9	133.5

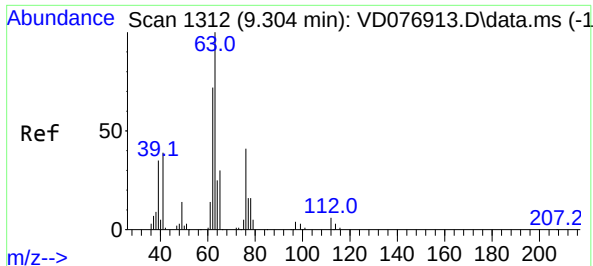


#35
Methylcyclohexane
Concen: 0.925 ug/L
RT: 9.275 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VD076918.D
Acq: 03 Aug 2023 14:45

Tgt Ion: 83 Resp: 6543

Ion	Ratio	Lower	Upper
83	100		
55	69.9	59.8	89.6
98	29.9	37.8	56.6#

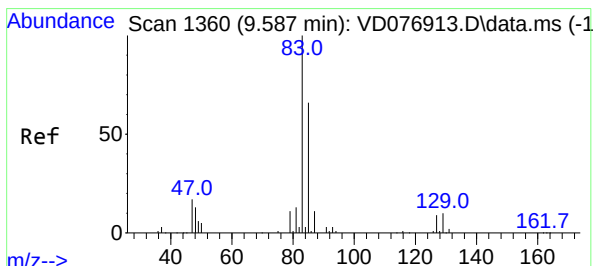
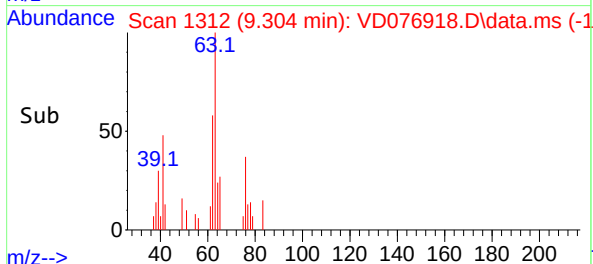
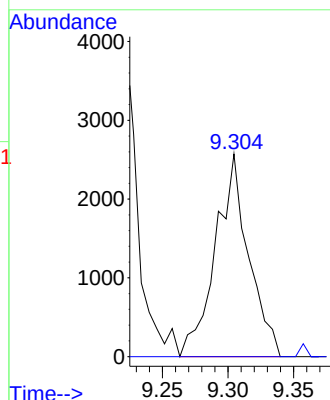
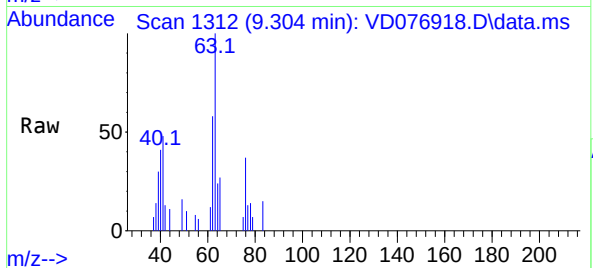




#37
1,2-Dichloropropane
Concen: 1.068 ug/L
RT: 9.304 min Scan# 1312
Delta R.T. 0.000 min
Lab File: VD076918.D
Acq: 03 Aug 2023 14:45

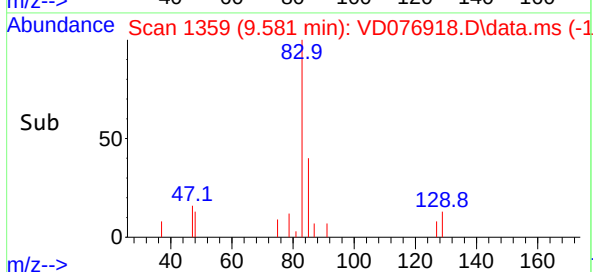
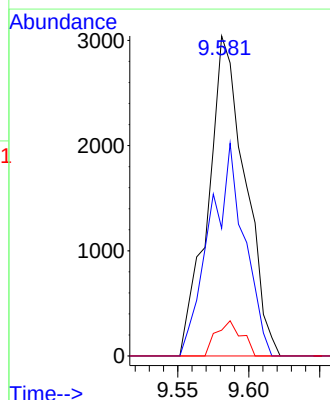
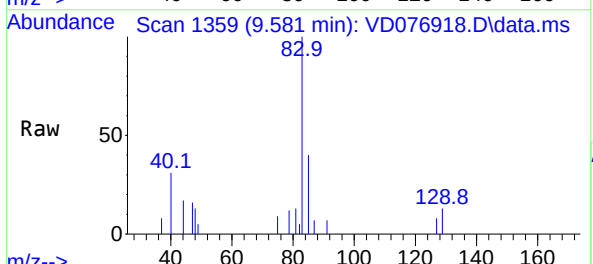
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2023-05

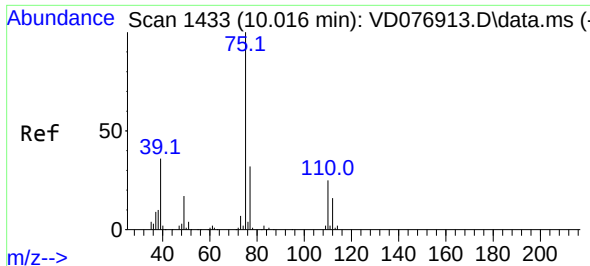
Tgt Ion: 63 Resp: 4516
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



#38
Bromodichloromethane
Concen: 0.950 ug/L
RT: 9.581 min Scan# 1359
Delta R.T. -0.006 min
Lab File: VD076918.D
Acq: 03 Aug 2023 14:45

Tgt Ion: 83 Resp: 5534
Ion Ratio Lower Upper
83 100
85 39.9 43.9 81.5#
127 8.1 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 0.856 ug/L

RT: 10.022 min Scan# 1434

Delta R.T. 0.006 min

Lab File: VD076918.D

Acq: 03 Aug 2023 14:45

Instrument :

MSVOA_D

ClientSampleId :

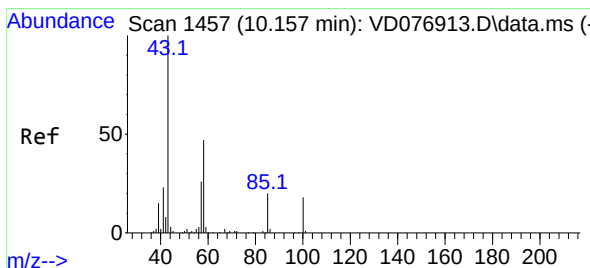
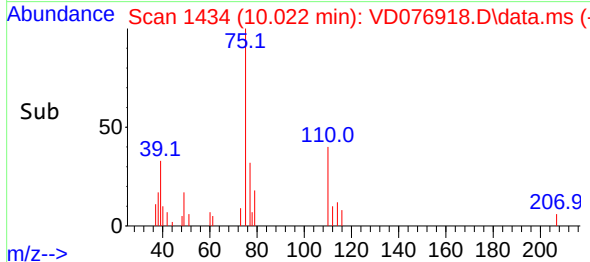
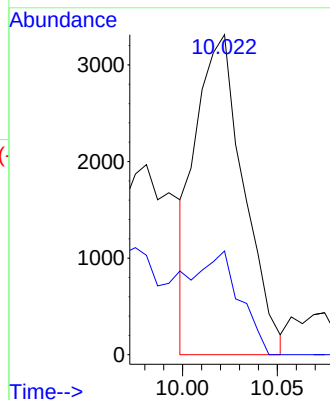
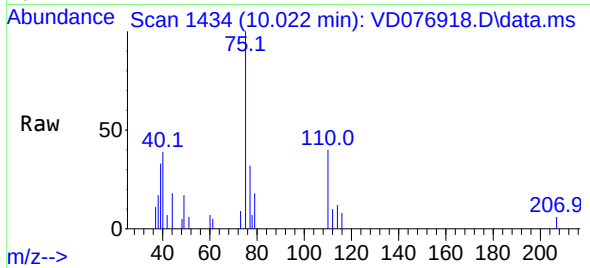
MDL-SOIL-QT3-2023-05

Tgt Ion: 75 Resp: 5842

Ion Ratio Lower Upper

75 100

77 32.4 22.7 42.3



#40

4-Methyl-2-pentanone

Concen: 1.695 ug/L

RT: 10.163 min Scan# 1458

Delta R.T. 0.006 min

Lab File: VD076918.D

Acq: 03 Aug 2023 14:45

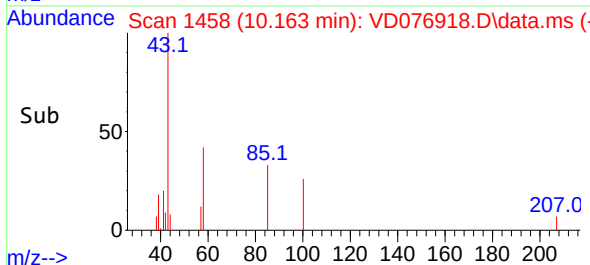
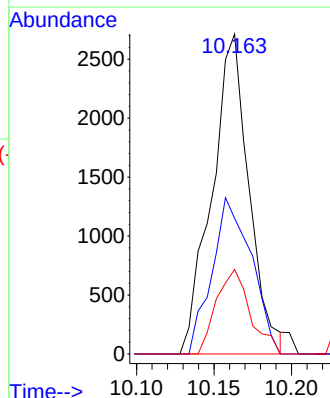
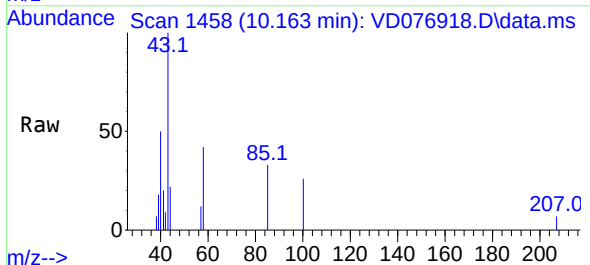
Tgt Ion: 43 Resp: 4515

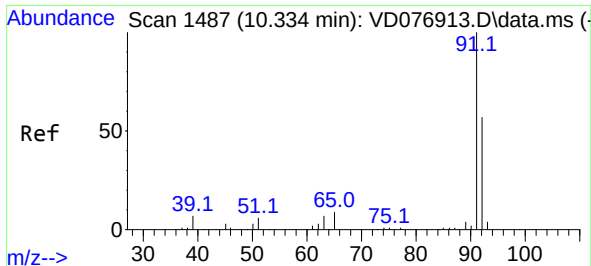
Ion Ratio Lower Upper

43 100

58 51.8 30.7 46.1#

100 24.1 11.0 16.4#

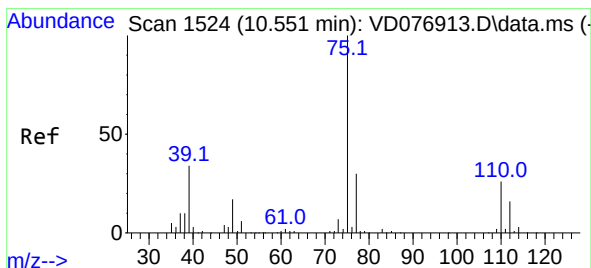
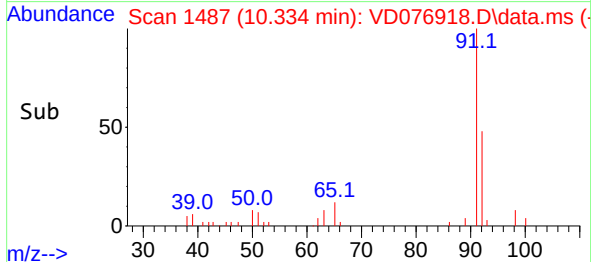
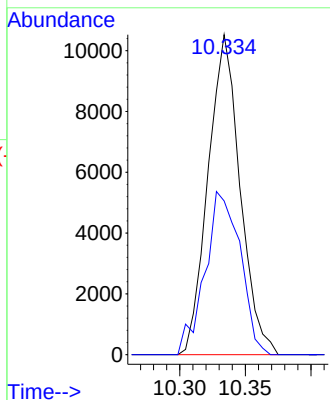
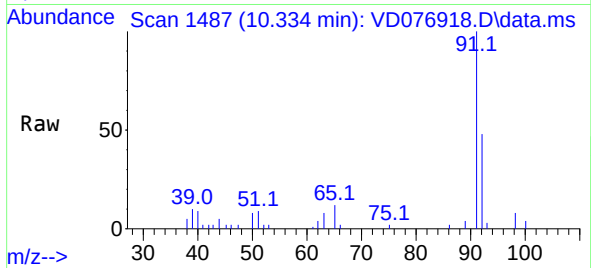




#42
Toluene
Concen: 0.987 ug/L
RT: 10.334 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VD076918.D
Acq: 03 Aug 2023 14:45

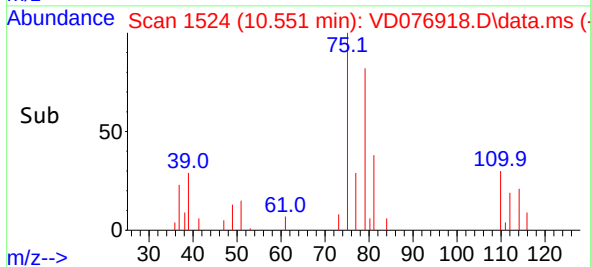
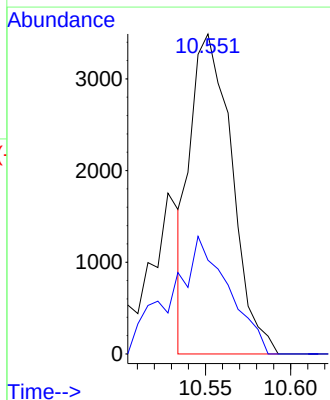
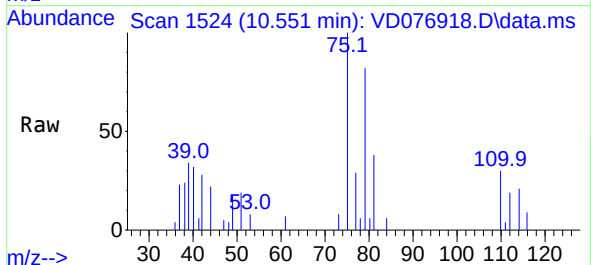
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2023-05

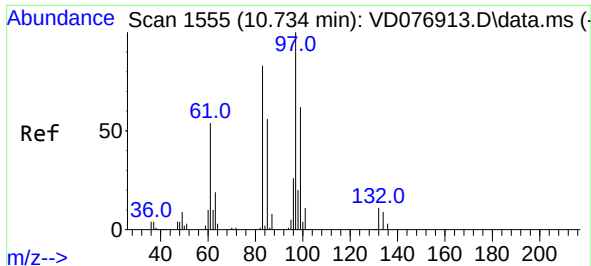
Tgt Ion: 91 Resp: 17864
Ion Ratio Lower Upper
91 100
92 48.0 39.3 73.1



#44
trans-1,3-Dichloropropene
Concen: 0.989 ug/L
RT: 10.551 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VD076918.D
Acq: 03 Aug 2023 14:45

Tgt Ion: 75 Resp: 5901
Ion Ratio Lower Upper
75 100
77 29.3 22.5 41.7

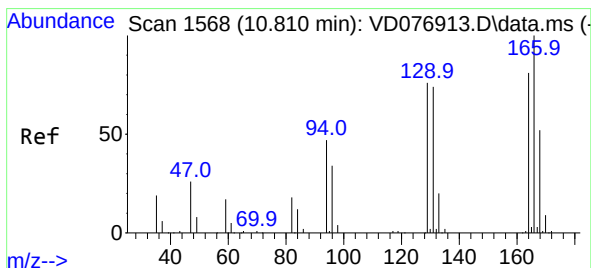
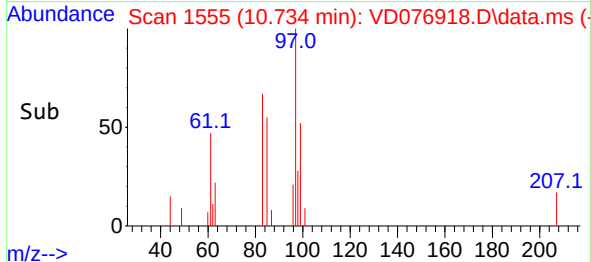
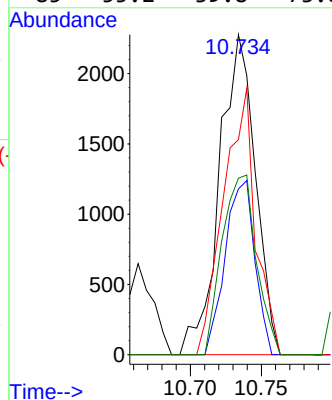
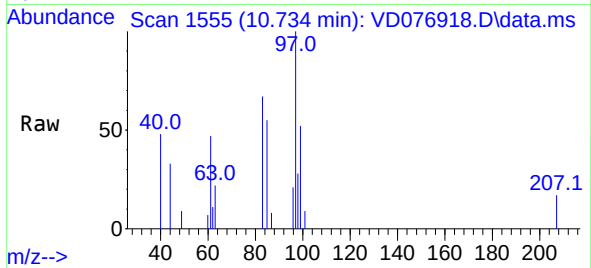




#45
1,1,2-Trichloroethane
Concen: 1.064 ug/L
RT: 10.734 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VD076918.D
Acq: 03 Aug 2023 14:45

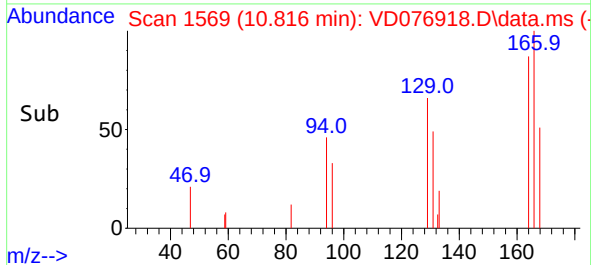
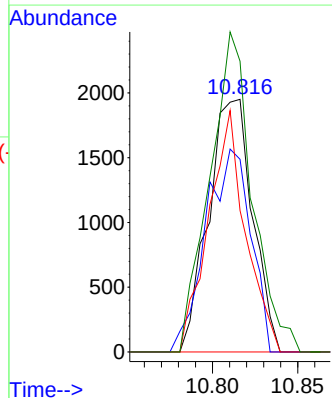
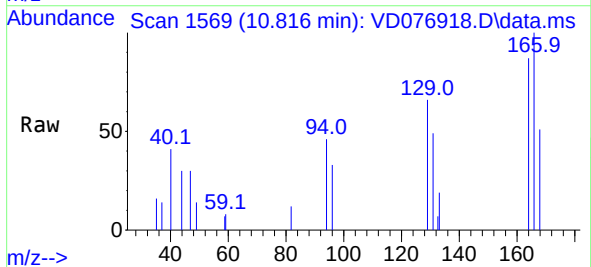
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT3-2023-05

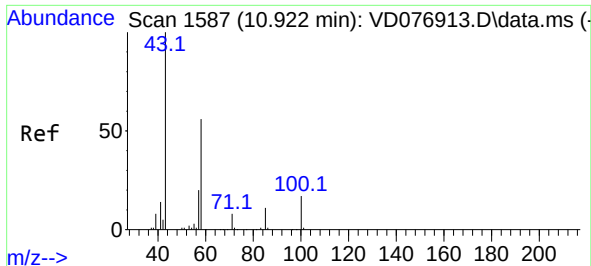
Tgt Ion:	97	Resp:	3999
Ion	Ratio	Lower	Upper
97	100		
99	51.8	41.9	77.9
83	67.2	59.2	110.0
85	55.2	39.8	73.8



#46
Tetrachloroethene
Concen: 1.078 ug/L
RT: 10.816 min Scan# 1569
Delta R.T. 0.006 min
Lab File: VD076918.D
Acq: 03 Aug 2023 14:45

Tgt Ion:	164	Resp:	3521
Ion	Ratio	Lower	Upper
164	100		
129	76.3	65.5	121.6
131	56.0	64.8	120.3#
166	115.1	97.2	180.4





#48

2-Hexanone

Concen: 1.669 ug/L

RT: 10.922 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD076918.D

Acq: 03 Aug 2023 14:45

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-QT3-2023-05

Tgt Ion: 43 Resp: 3419

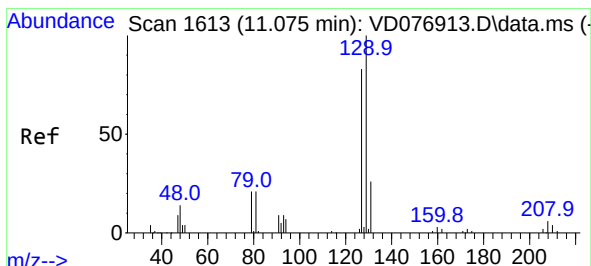
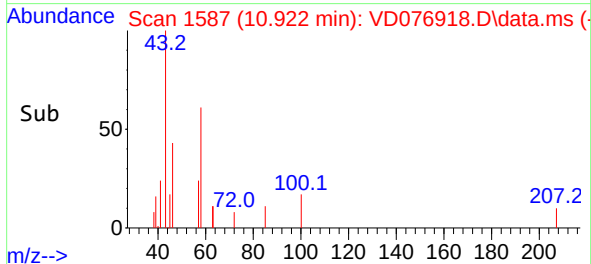
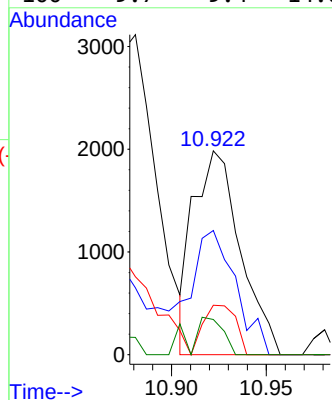
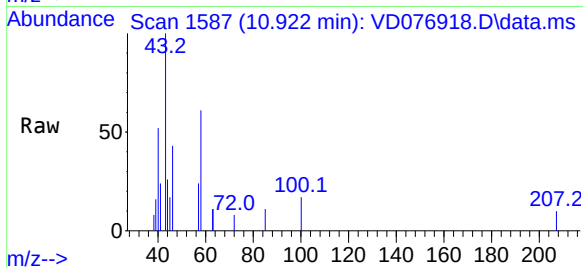
Ion Ratio Lower Upper

43 100

58 53.4 42.9 64.3

57 16.8 13.7 20.5

100 9.7 9.4 14.0



#49

Dibromochloromethane

Concen: 0.900 ug/L

RT: 11.075 min Scan# 1613

Delta R.T. 0.000 min

Lab File: VD076918.D

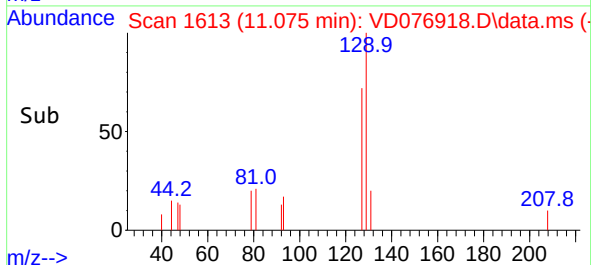
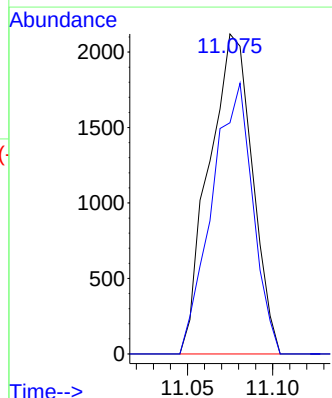
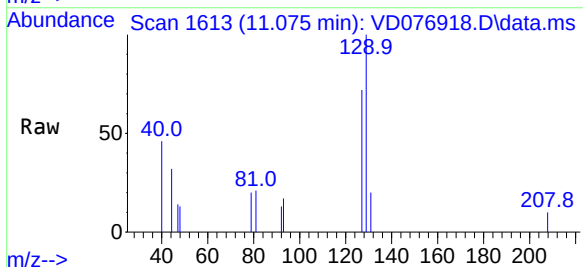
Acq: 03 Aug 2023 14:45

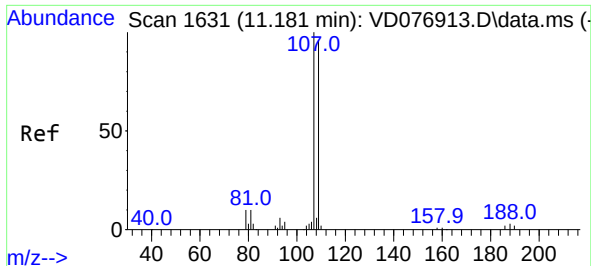
Tgt Ion:129 Resp: 3761

Ion Ratio Lower Upper

129 100

127 72.3 55.2 102.6

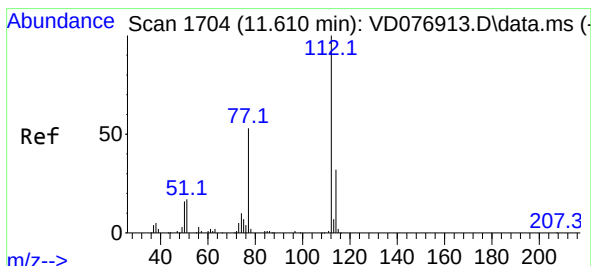
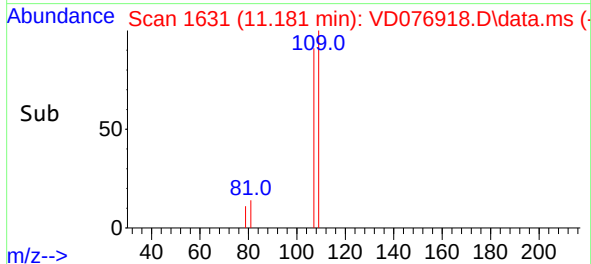
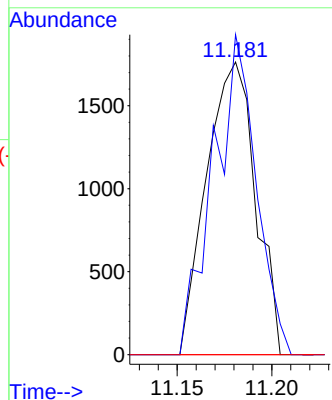
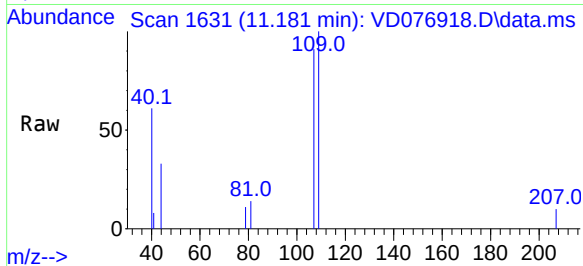




#50
1,2-Dibromoethane
Concen: 0.866 ug/L
RT: 11.181 min Scan# 1107
Delta R.T. 0.000 min
Lab File: VD076918.D
Acq: 03 Aug 2023 14:45

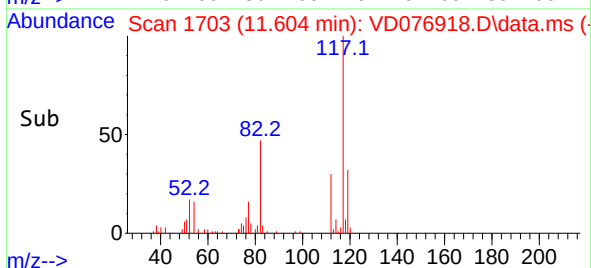
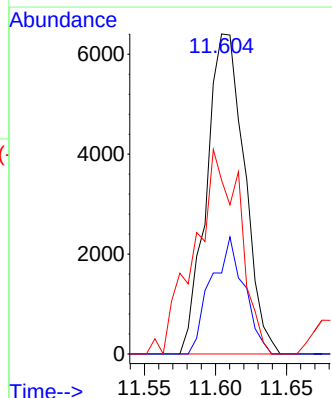
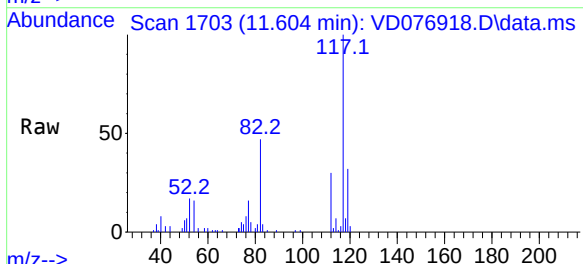
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-QT3-2023-05

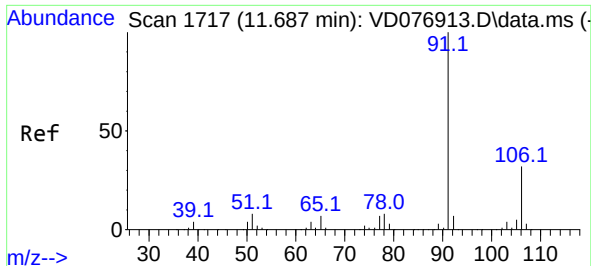
Tgt Ion:	107	Resp:	3175
Ion	Ratio	Lower	Upper
107	100		
109	109.4	58.8	109.2#
188	0.0	2.9	4.3#



#51
Chlorobenzene
Concen: 1.009 ug/L
RT: 11.604 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VD076918.D
Acq: 03 Aug 2023 14:45

Tgt Ion:	112	Resp:	11905
Ion	Ratio	Lower	Upper
112	100		
114	25.3	21.5	39.9
77	54.3	43.4	65.2

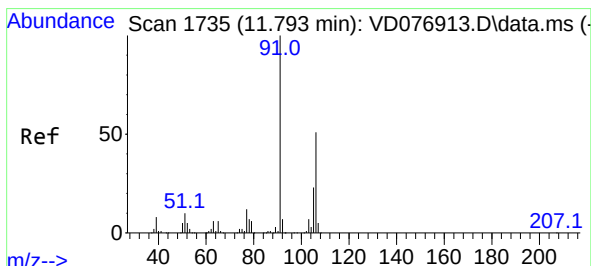
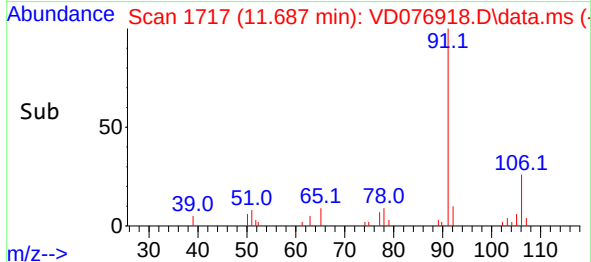
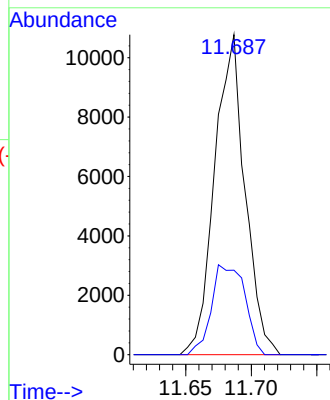
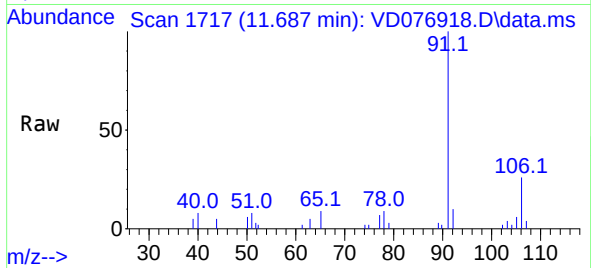




#52
Ethylbenzene
Concen: 0.898 ug/L
RT: 11.687 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VD076918.D
Acq: 03 Aug 2023 14:45

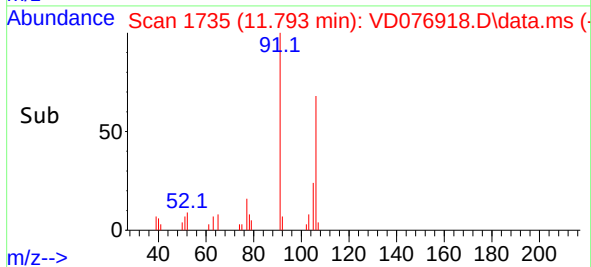
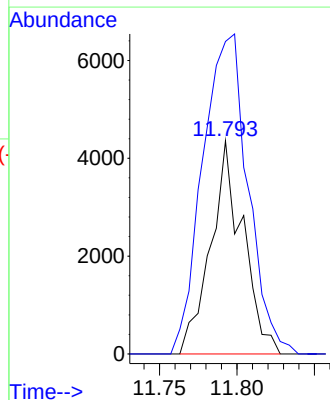
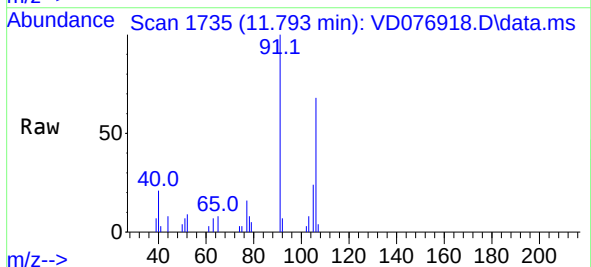
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2023-05

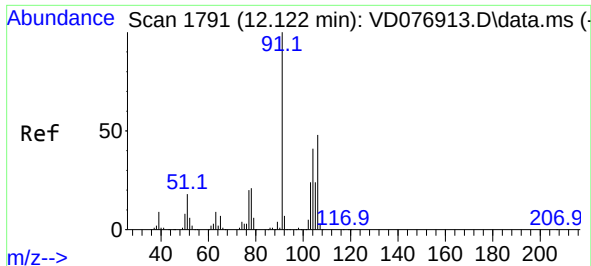
Tgt Ion: 91 Resp: 17323
Ion Ratio Lower Upper
91 100
106 26.4 22.4 41.6



#53
m,p-Xylene
Concen: 0.846 ug/L
RT: 11.793 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD076918.D
Acq: 03 Aug 2023 14:45

Tgt Ion: 106 Resp: 6293
Ion Ratio Lower Upper
106 100
91 146.6 141.5 262.9

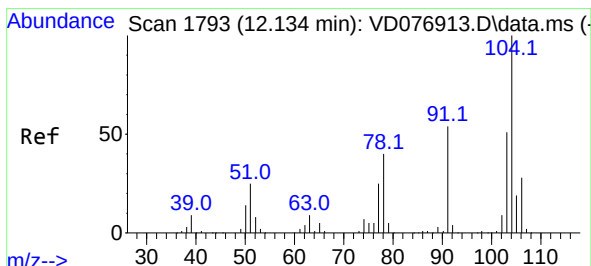
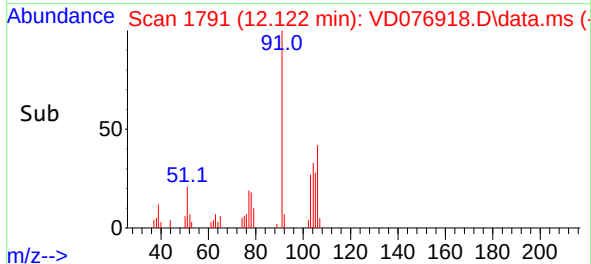
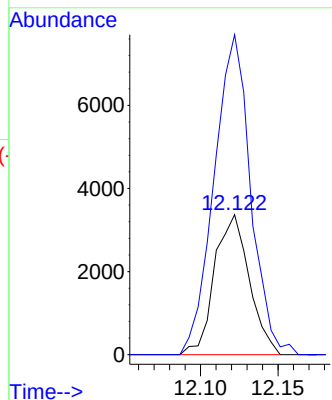
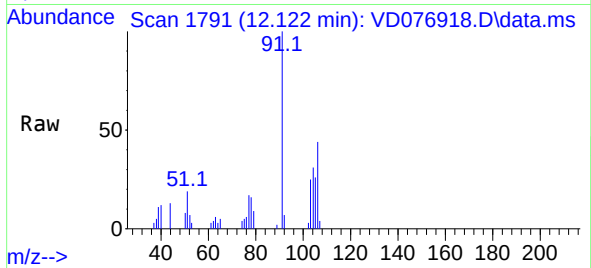




#54
o-Xylene
Concen: 0.735 ug/L
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD076918.D
Acq: 03 Aug 2023 14:45

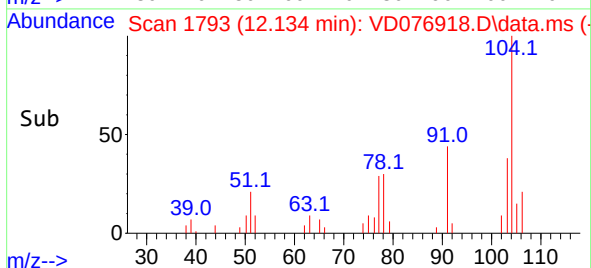
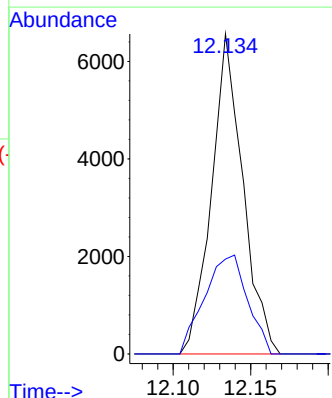
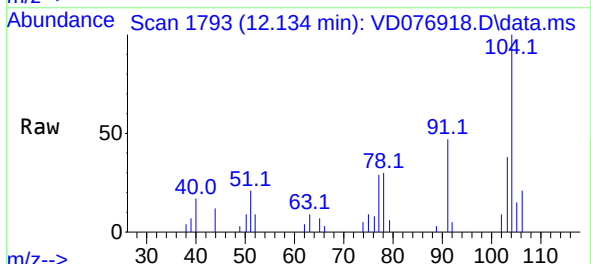
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2023-05

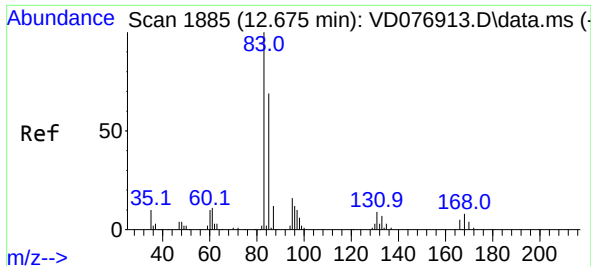
Tgt Ion:106 Resp: 5260
Ion Ratio Lower Upper
106 100
91 228.5 142.2 264.2



#55
Styrene
Concen: 0.714 ug/L
RT: 12.134 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD076918.D
Acq: 03 Aug 2023 14:45

Tgt Ion:104 Resp: 9235
Ion Ratio Lower Upper
104 100
78 29.7 31.3 58.1#

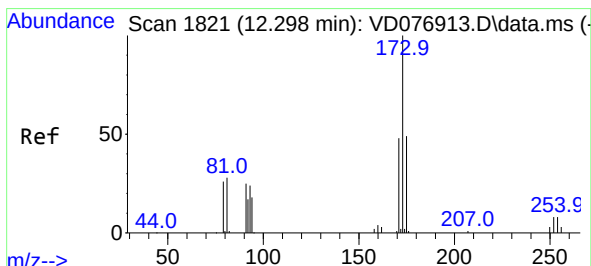
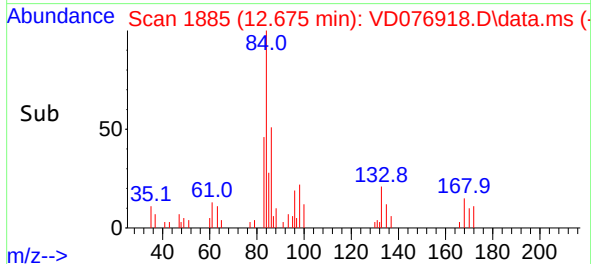
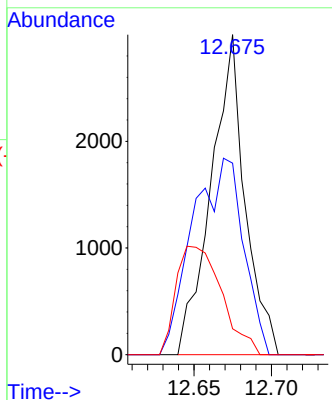
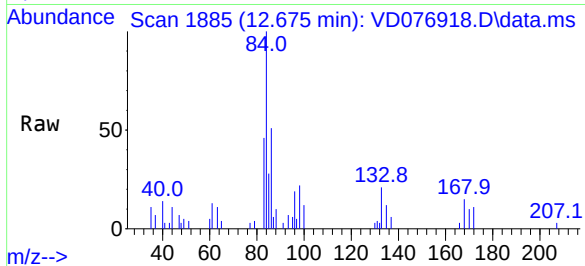




#57
1,1,2,2-Tetrachloroethane
Concen: 0.981 ug/L
RT: 12.675 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VD076918.D
Acq: 03 Aug 2023 14:45

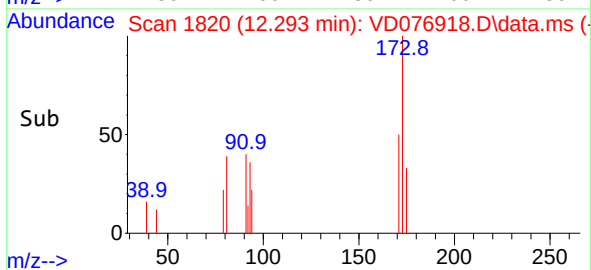
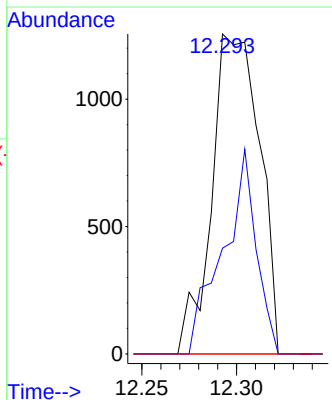
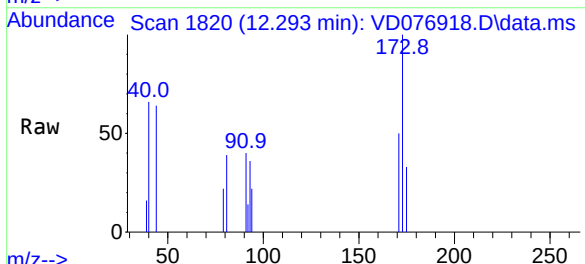
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2023-05

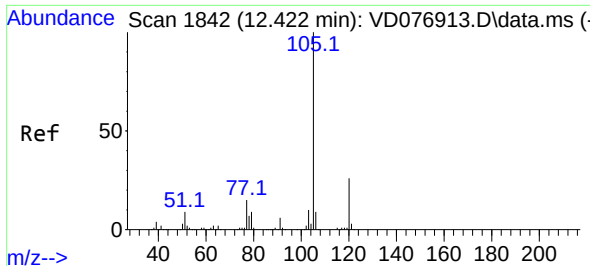
Tgt Ion:	83	Resp:	4562
Ion	Ratio	Lower	Upper
83	100		
85	59.9	46.3	86.1
131	8.1	7.0	10.4



#59
Bromoform
Concen: 0.911 ug/L
RT: 12.293 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VD076918.D
Acq: 03 Aug 2023 14:45

Tgt Ion:	173	Resp:	2203
Ion	Ratio	Lower	Upper
173	100		
175	44.7	39.0	58.4
254	0.0	5.3	7.9

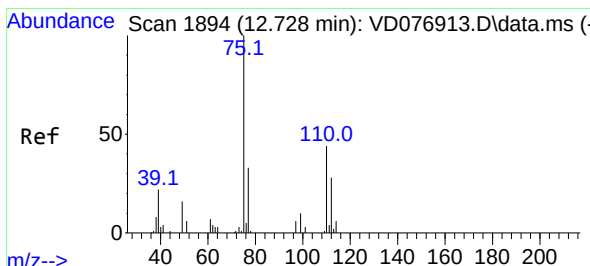
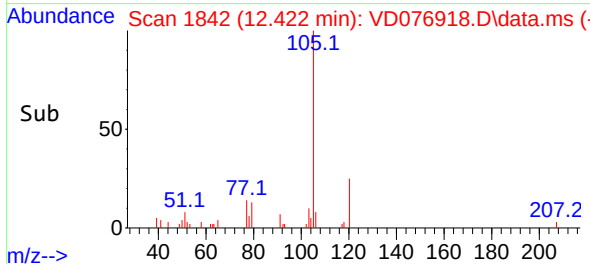
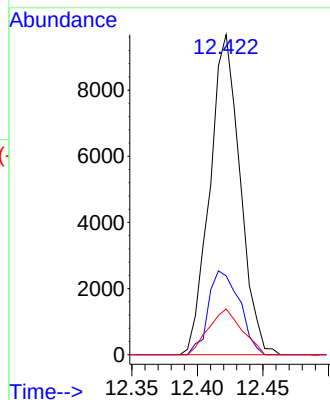
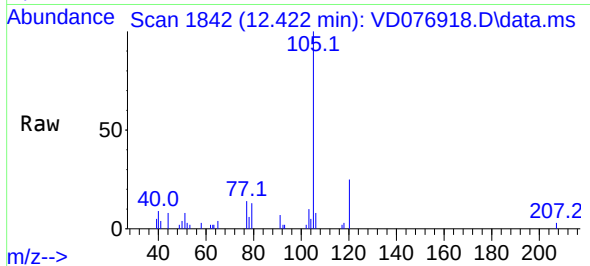




#60
Isopropylbenzene
Concen: 0.888 ug/L
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD076918.D
Acq: 03 Aug 2023 14:45

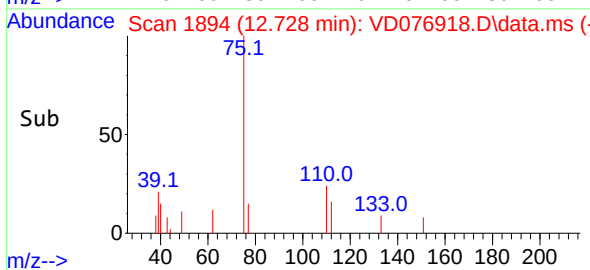
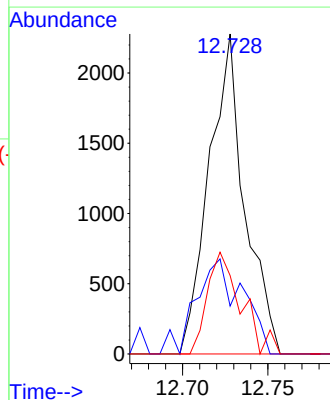
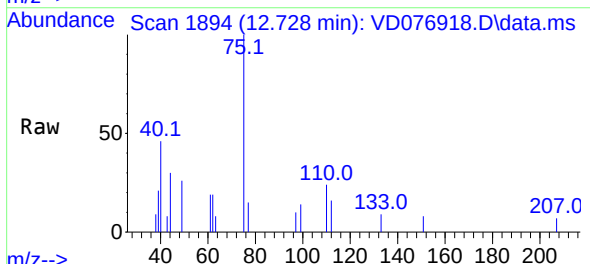
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2023-05

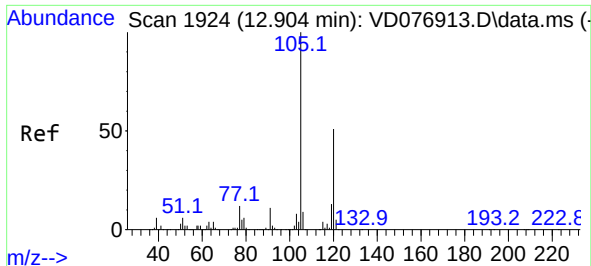
Tgt Ion:	105	Resp:	15571
Ion	Ratio	Lower	Upper
105	100		
120	27.0	21.3	31.9
77	15.6	12.2	18.4



#61
1,2,3-Trichloropropane
Concen: 1.164 ug/L
RT: 12.728 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VD076918.D
Acq: 03 Aug 2023 14:45

Tgt Ion:	75	Resp:	3311
Ion	Ratio	Lower	Upper
75	100		
77	11.9	27.2	40.8#
110	1.8	31.8	47.6#

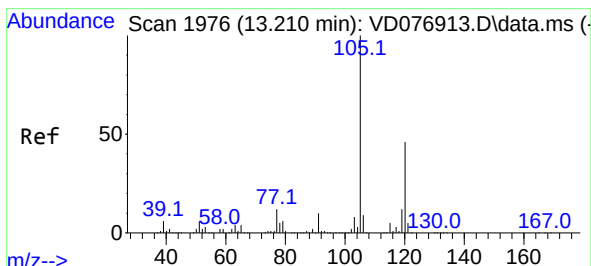
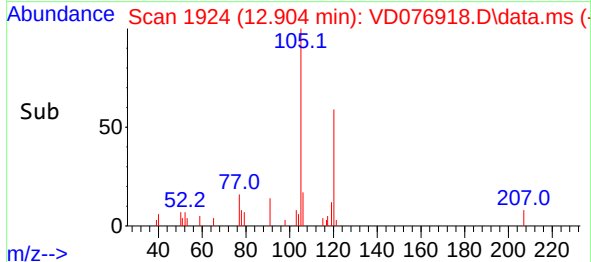
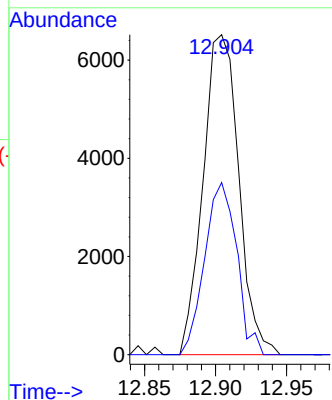
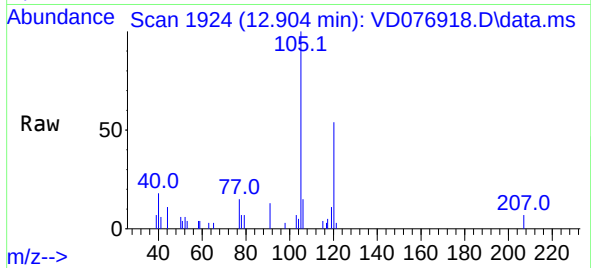




#62
1,3,5-Trimethylbenzene
Concen: 0.852 ug/L
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD076918.D
Acq: 03 Aug 2023 14:45

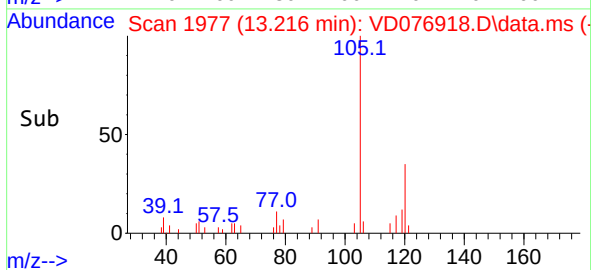
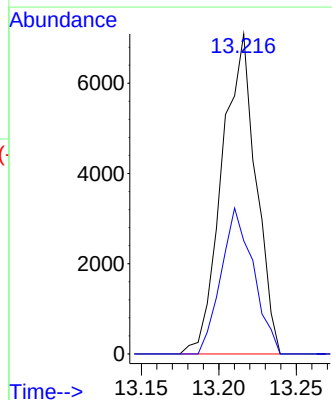
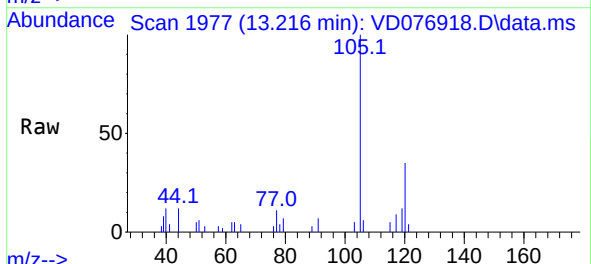
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2023-05

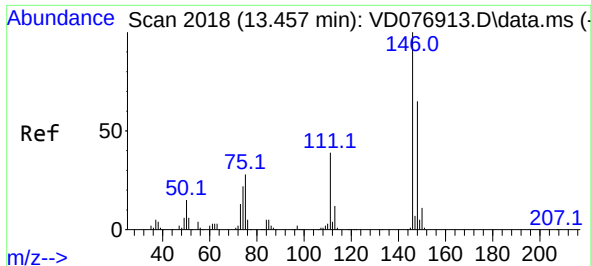
Tgt Ion:105 Resp: 11385
Ion Ratio Lower Upper
105 100
120 48.4 39.8 59.6



#63
1,2,4-Trimethylbenzene
Concen: 0.813 ug/L
RT: 13.216 min Scan# 1977
Delta R.T. 0.006 min
Lab File: VD076918.D
Acq: 03 Aug 2023 14:45

Tgt Ion:105 Resp: 10810
Ion Ratio Lower Upper
105 100
120 43.3 37.5 56.3

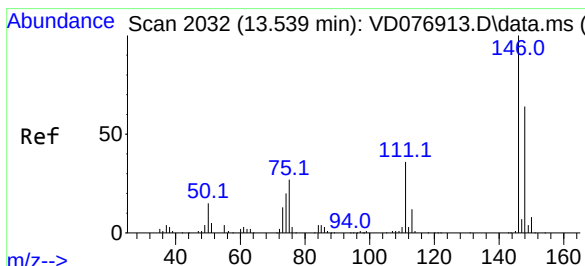
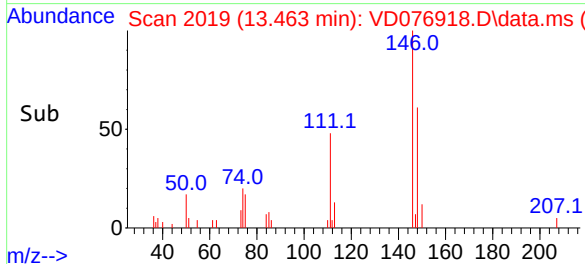
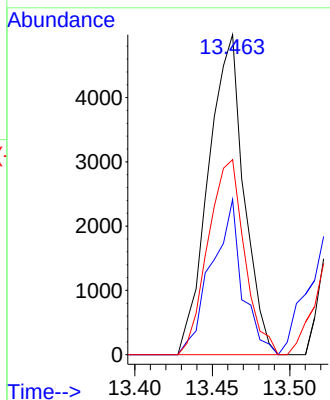
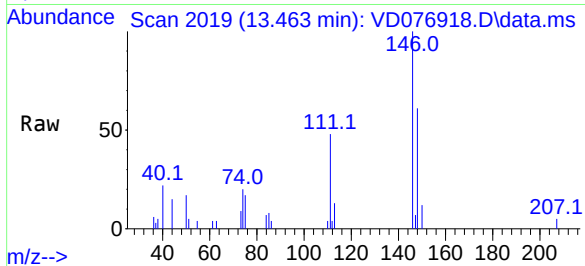




#64
1,3-Dichlorobenzene
Concen: 0.991 ug/L
RT: 13.463 min Scan# 2018
Delta R.T. 0.006 min
Lab File: VD076918.D
Acq: 03 Aug 2023 14:45

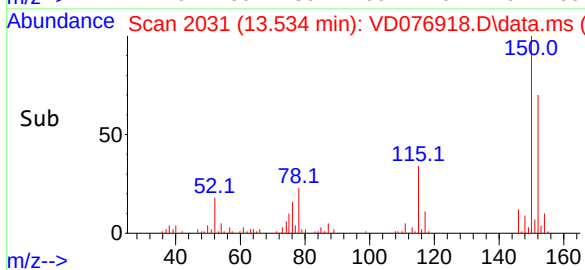
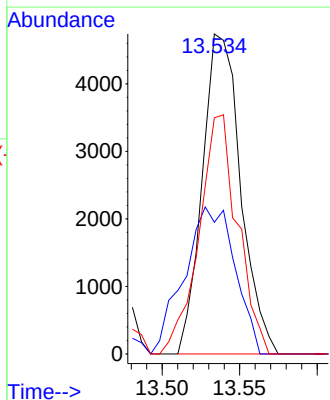
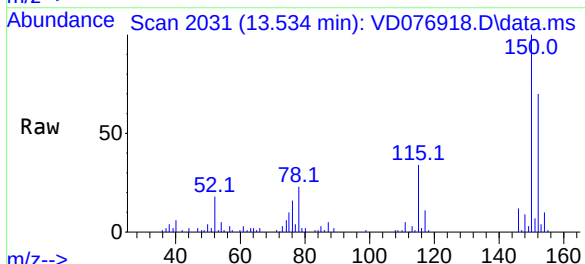
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2023-05

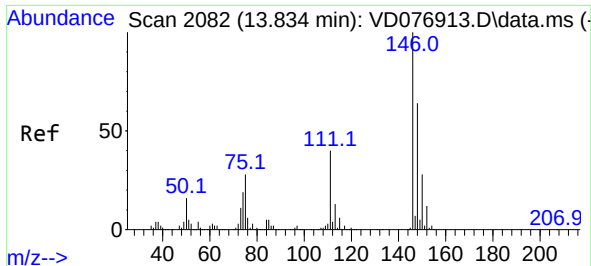
Tgt Ion:146 Resp: 7932
Ion Ratio Lower Upper
146 100
111 48.5 25.6 47.4#
148 61.0 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 0.986 ug/L
RT: 13.534 min Scan# 2031
Delta R.T. -0.006 min
Lab File: VD076918.D
Acq: 03 Aug 2023 14:45

Tgt Ion:146 Resp: 8159
Ion Ratio Lower Upper
146 100
111 41.2 25.7 47.7
148 73.8 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 1.133 ug/L

RT: 13.828 min Scan# 2082

Delta R.T. -0.006 min

Lab File: VD076918.D

Acq: 03 Aug 2023 14:45

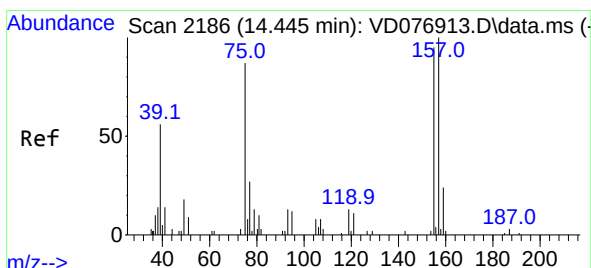
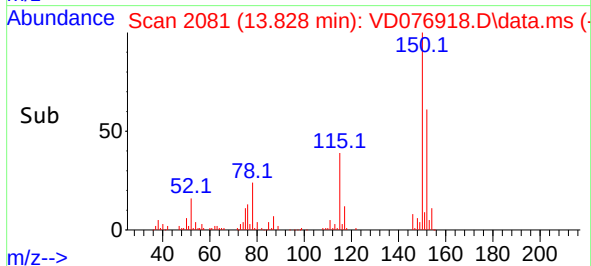
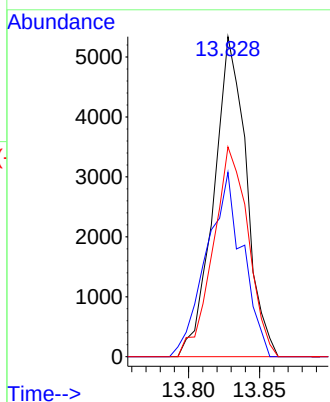
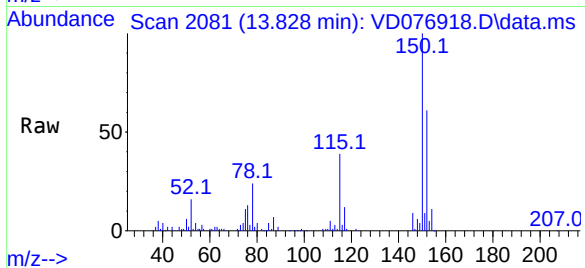
Instrument :

MSVOA_D

ClientSampleId :

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Tgt Ion:146	Resp:	8500
Ion Ratio	Lower	Upper
146	100	
111	57.6	31.3 46.9#
148	65.6	51.7 77.5



#68

1,2-Dibromo-3-chloropropane

Concen: 1.621 ug/L

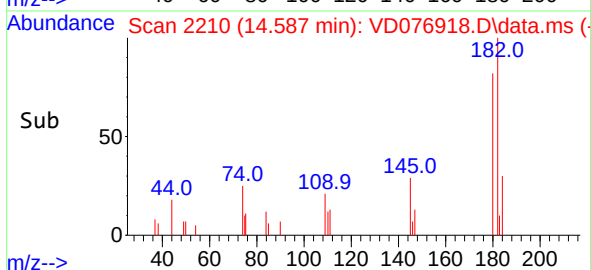
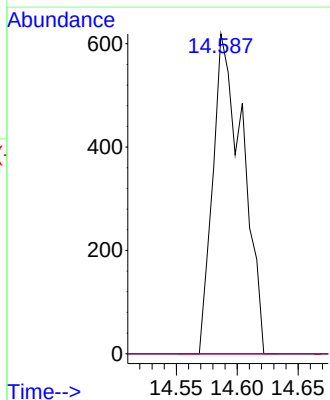
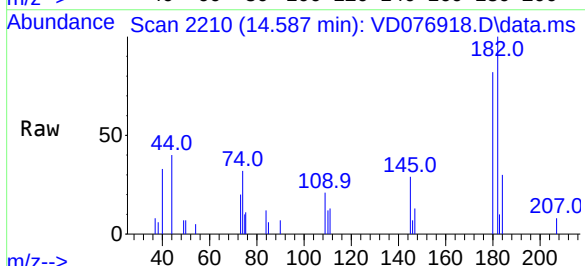
RT: 14.587 min Scan# 2210

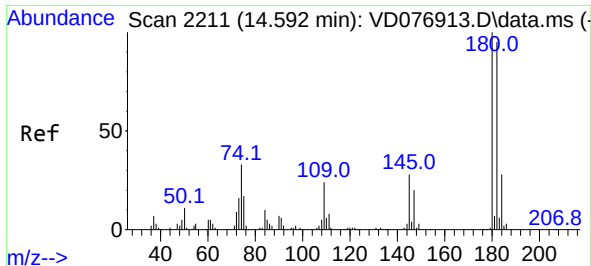
Delta R.T. 0.141 min

Lab File: VD076918.D

Acq: 03 Aug 2023 14:45

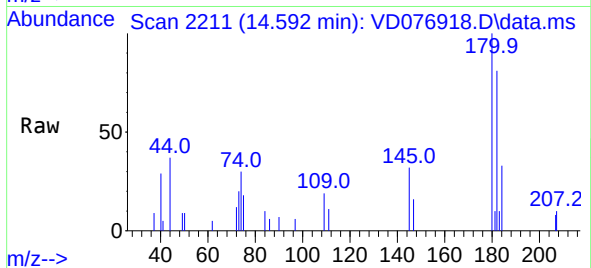
Tgt Ion: 75	Resp:	1057
Ion Ratio	Lower	Upper
75	100	
155	0.0	76.2 114.4#
157	0.0	89.4 134.2#





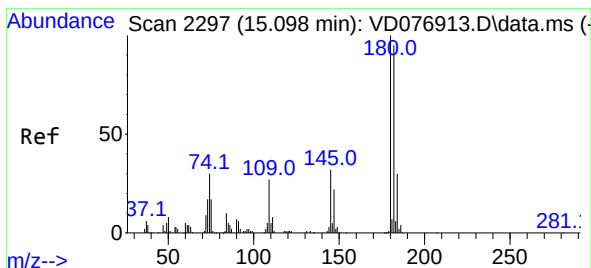
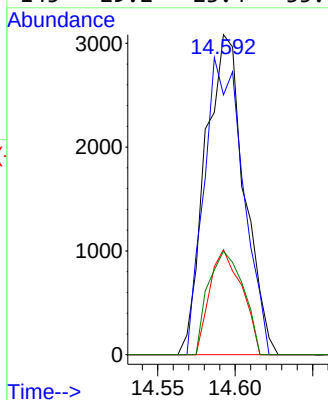
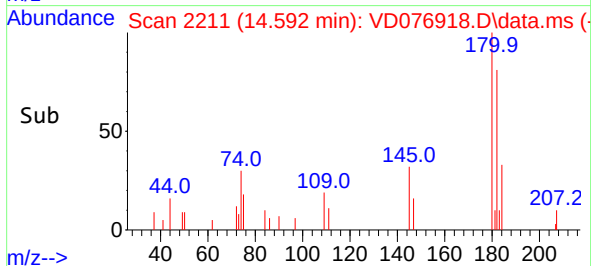
#69
1,3,5-Trichlorobenzene
Concen: 1.075 ug/L
RT: 14.592 min Scan# 211
Delta R.T. 0.000 min
Lab File: VD076918.D
Acq: 03 Aug 2023 14:45

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2023-05

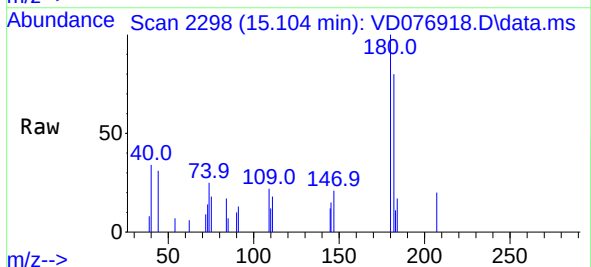


Tgt Ion:180 Resp: 5385

Ion	Ratio	Lower	Upper
180	100		
182	92.5	77.1	115.7
184	27.2	25.0	37.4
145	29.2	23.4	35.0

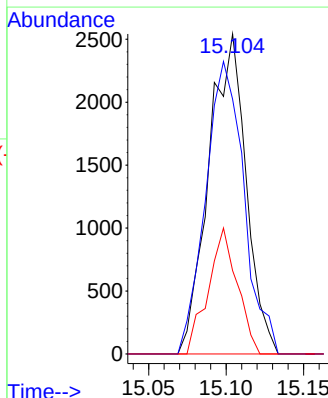
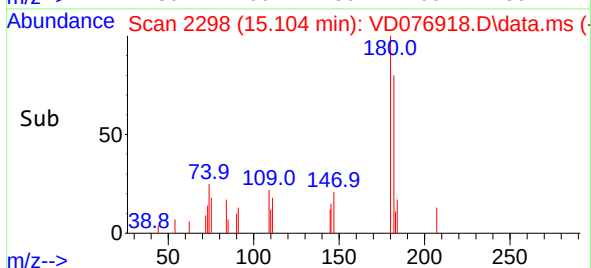


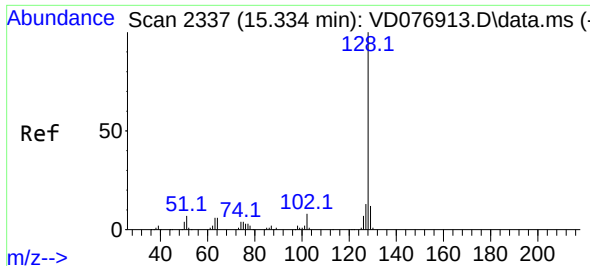
#70
1,2,4-trichlorobenzene
Concen: 0.965 ug/L
RT: 15.104 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VD076918.D
Acq: 03 Aug 2023 14:45



Tgt Ion:180 Resp: 4249

Ion	Ratio	Lower	Upper
180	100		
182	93.9	76.9	115.3
145	30.6	23.5	35.3

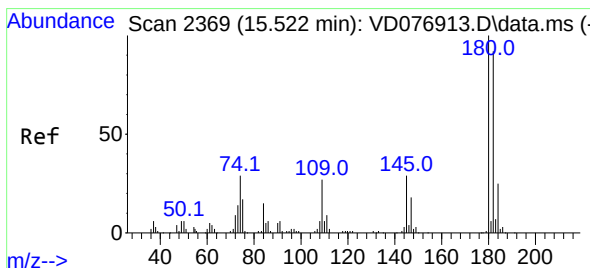
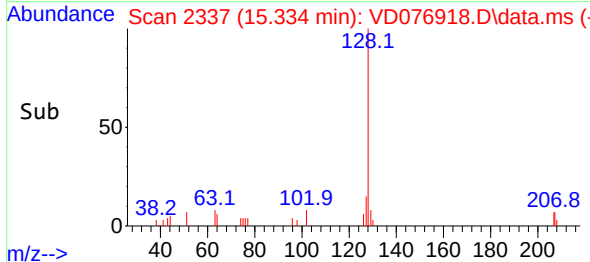
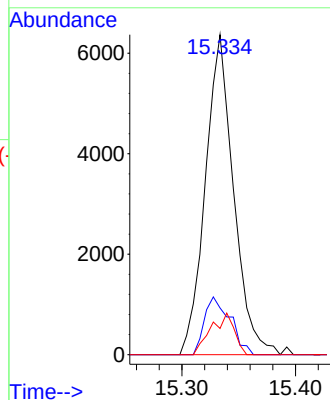
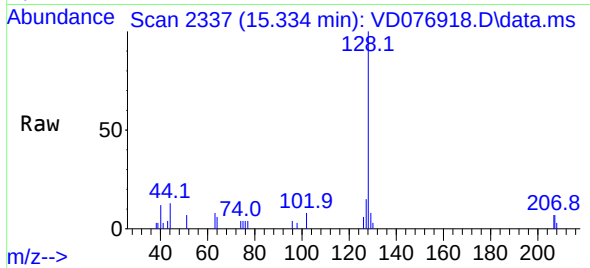




#71
Naphthalene
Concen: 1.063 ug/L
RT: 15.334 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VD076918.D
Acq: 03 Aug 2023 14:45

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2023-05

Tgt Ion:	128	Resp:	11010
Ion	Ratio	Lower	Upper
128	100		
127	16.5	10.8	16.2#
129	10.7	8.6	12.8



#72
1,2,3-Trichlorobenzene
Concen: 1.051 ug/L
RT: 15.522 min Scan# 2369
Delta R.T. 0.000 min
Lab File: VD076918.D
Acq: 03 Aug 2023 14:45

Tgt Ion:	180	Resp:	4197
Ion	Ratio	Lower	Upper
180	100		
182	95.5	74.3	111.5
145	29.5	25.0	37.6

