

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051822\
 Data File : VD073122.D
 Acq On : 19 May 2022 04:13
 Operator : VA/SY
 Sample : N2889-05
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 D2321-22-SOIL

Quant Time: May 19 04:56:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 04:58:34 2022
 Response via : Initial Calibration

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

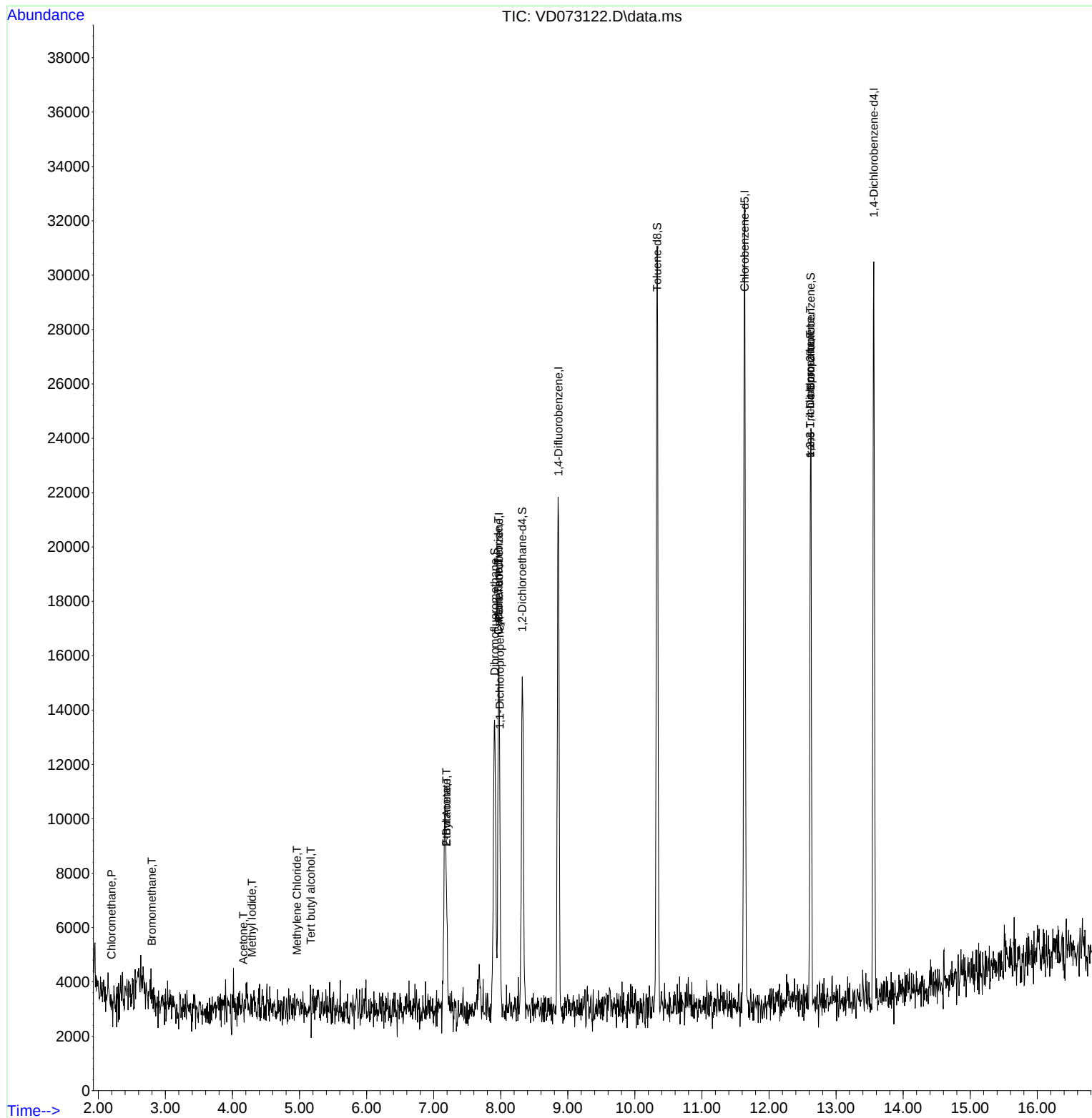
Internal Standards						
1) Pentafluorobenzene	7.973	168	9046	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	14799	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	17340	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	7618	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	9412	83.198	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 166.400%#	
35) Dibromofluoromethane	7.909	113	8458	81.401	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 162.800%#	
50) Toluene-d8	10.332	98	20123	53.384	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.760%	
62) 4-Bromofluorobenzene	12.620	95	7498	54.919	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 109.840%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.197	50	294	2.521	ug/l #	40
5) Bromomethane	2.797	94	725	9.518	ug/l #	65
10) Methyl Iodide	4.291	142	150	5.294	ug/l #	38
11) Tert butyl alcohol	5.168	59	103	5.886	ug/l #	74
16) Acetone	4.162	43	597	29.162	ug/l #	47
20) Methylene Chloride	4.962	84	283	1.905	ug/l #	2
25) 2-Butanone	7.191	43	127	4.097	ug/l #	52
31) Cyclohexane	7.967	56	219	1.075	ug/l #	34
36) 1,1-Dichloropropene	7.985	75	419	2.475	ug/l #	43
37) Ethyl Acetate	7.191	43	127	1.786	ug/l #	1
38) Carbon Tetrachloride	7.967	117	1024	5.912	ug/l #	13
76) 1,2,3-Trichloropropane	12.614	75	3761	43.673	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.614	75	3761	104.719	ug/l #	7

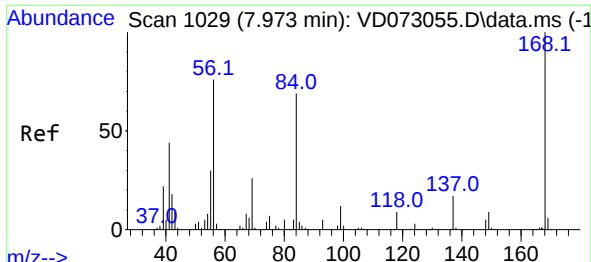
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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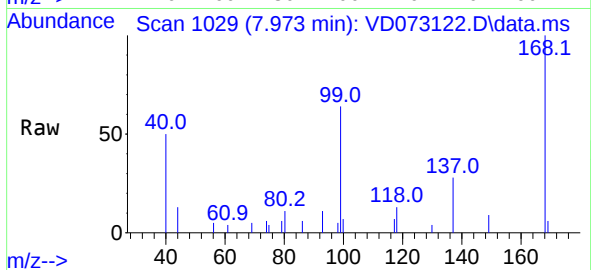
Quant Time: May 19 04:56:22 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051722S.M
Quant Title : SW846 8260
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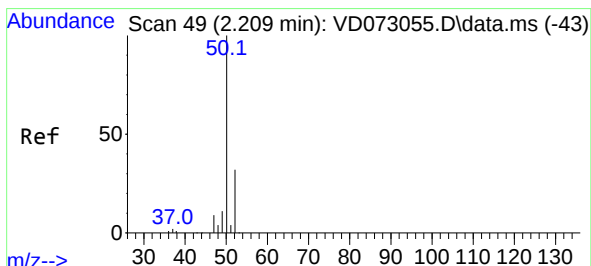
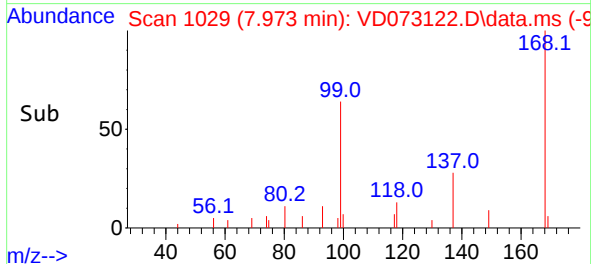
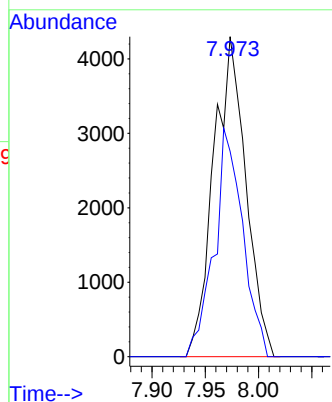


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD073122.D
Acq: 19 May 2022 04:13

Instrument :
MSVOA_D
ClientSampleId :
D2321-22-SOIL

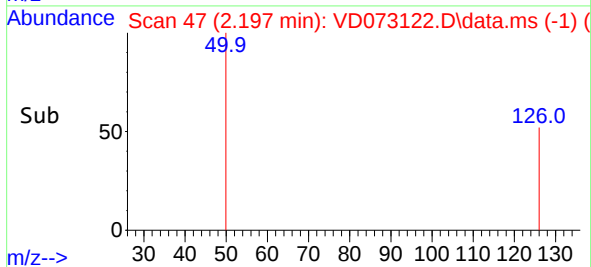
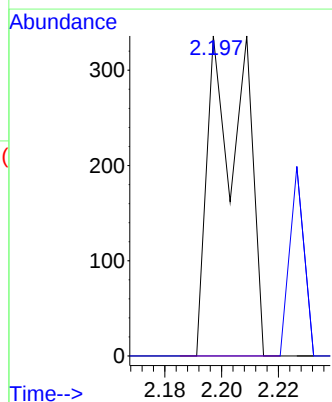
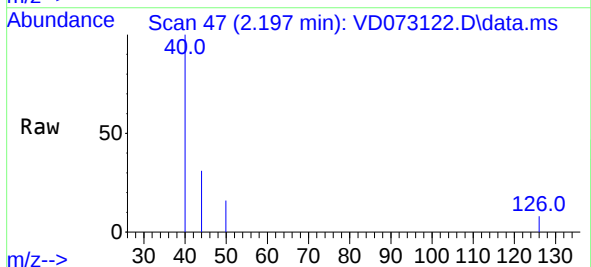


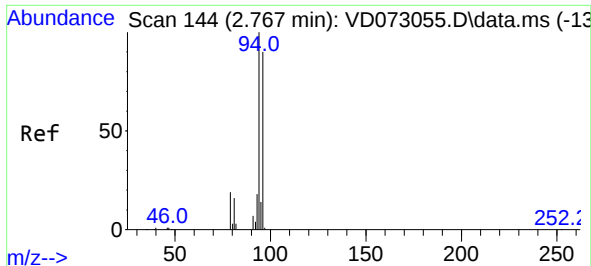
Tgt Ion:168 Resp: 9046
Ion Ratio Lower Upper
168 100
99 64.1 49.8 74.6



#3
Chloromethane
Concen: 2.521 ug/l
RT: 2.197 min Scan# 47
Delta R.T. -0.012 min
Lab File: VD073122.D
Acq: 19 May 2022 04:13

Tgt Ion: 50 Resp: 294
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

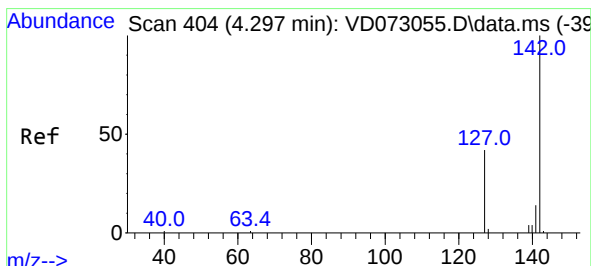
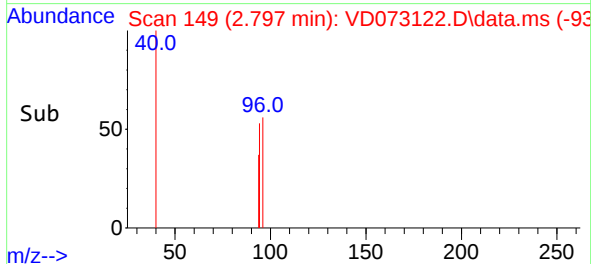
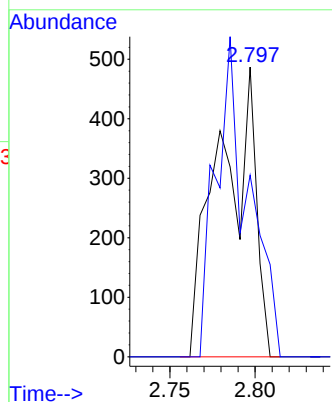
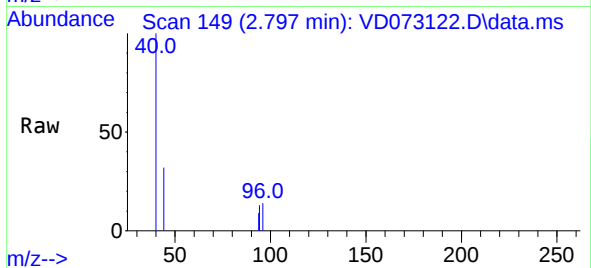




#5
Bromomethane
Concen: 9.518 ug/l
RT: 2.797 min Scan# 144
Delta R.T. 0.030 min
Lab File: VD073122.D
Acq: 19 May 2022 04:13

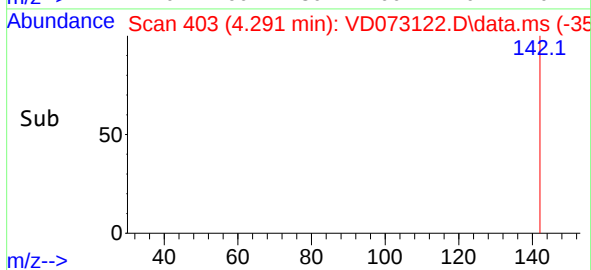
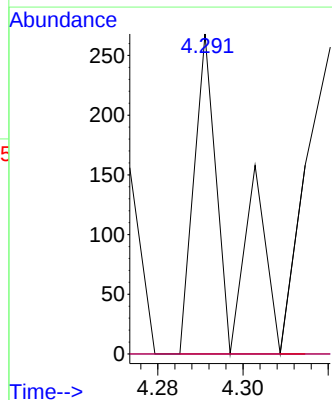
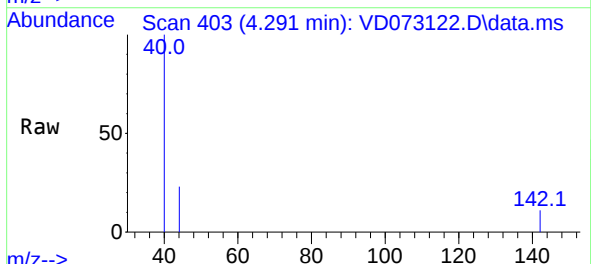
Instrument :
MSVOA_D
ClientSampleId :
D2321-22-SOIL

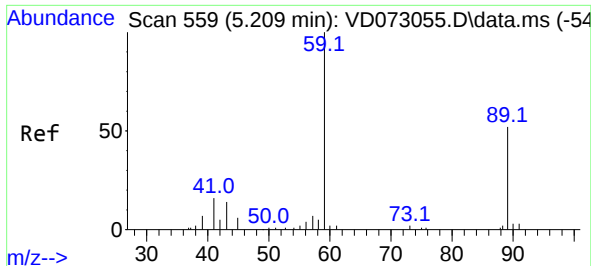
Tgt Ion: 94 Resp: 725
Ion Ratio Lower Upper
94 100
96 62.6 77.6 116.4#



#10
Methyl Iodide
Concen: 5.294 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD073122.D
Acq: 19 May 2022 04:13

Tgt Ion: 142 Resp: 150
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 11.7 17.5#

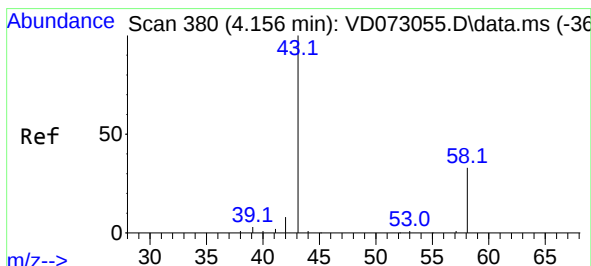
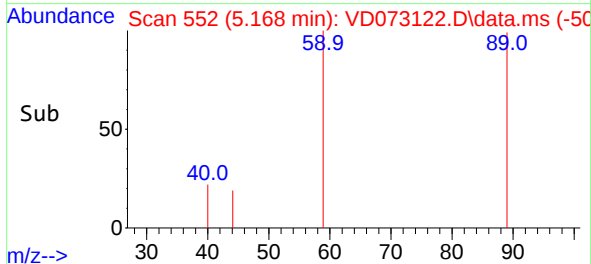
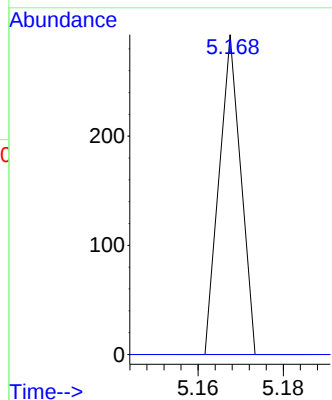
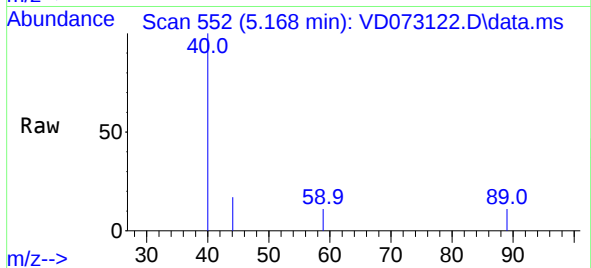




#11
Tert butyl alcohol
Concen: 5.886 ug/l
RT: 5.168 min Scan# 51
Delta R.T. -0.041 min
Lab File: VD073122.D
Acq: 19 May 2022 04:13

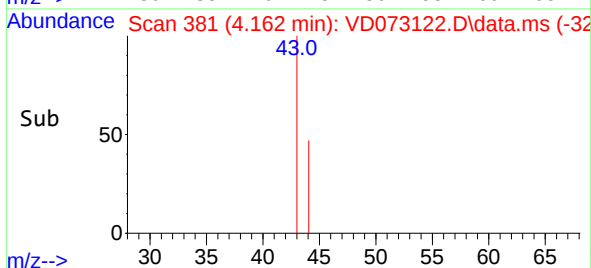
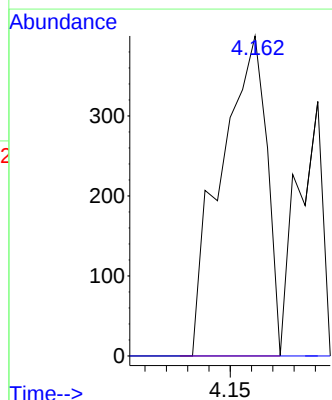
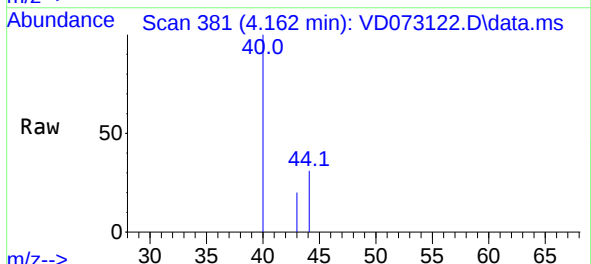
Instrument :
MSVOA_D
ClientSampleId :
D2321-22-SOIL

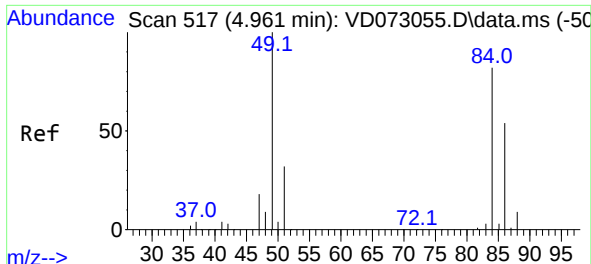
Tgt Ion: 59 Resp: 103
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 29.162 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD073122.D
Acq: 19 May 2022 04:13

Tgt Ion: 43 Resp: 597
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#

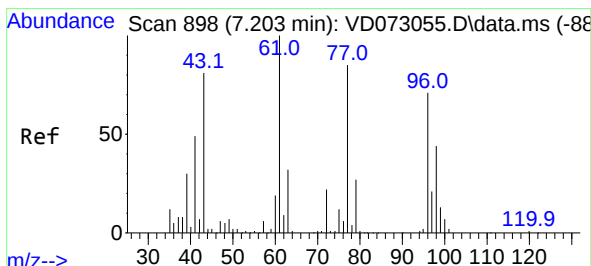
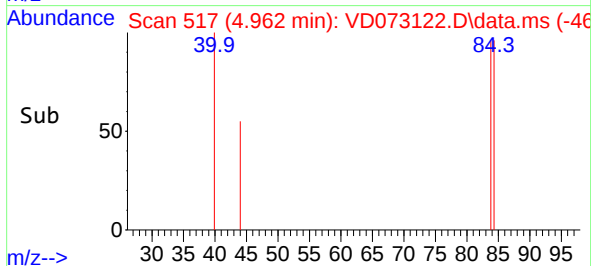
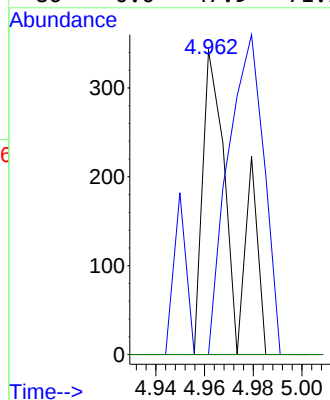
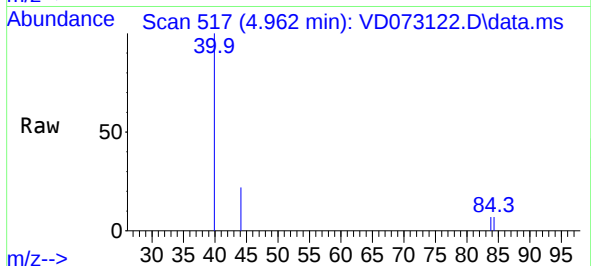




#20
Methylene Chloride
Concen: 1.905 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD073122.D
Acq: 19 May 2022 04:13

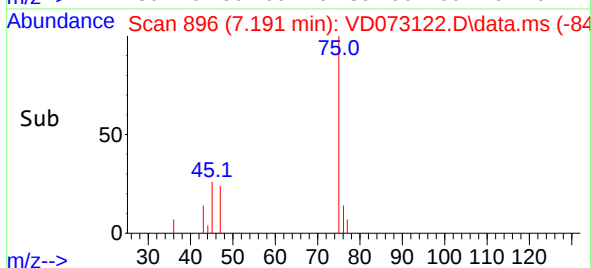
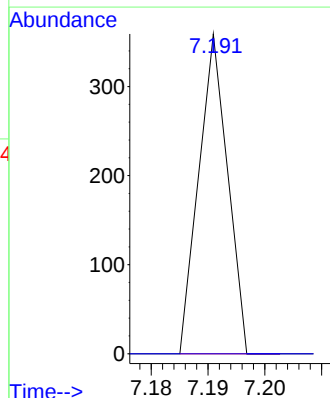
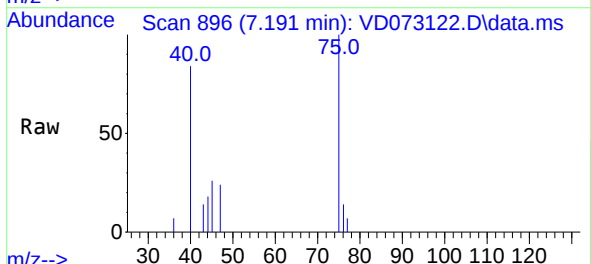
Instrument :
MSVOA_D
ClientSampleId :
D2321-22-SOIL

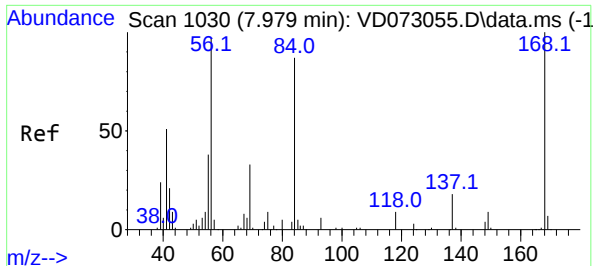
Tgt Ion: 84	Resp:	283
Ion	Ratio	Lower Upper
84	100	
49	0.0	112.8 169.2#
51	0.0	32.6 48.8#
86	0.0	47.9 71.9#



#25
2-Butanone
Concen: 4.097 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.012 min
Lab File: VD073122.D
Acq: 19 May 2022 04:13

Tgt Ion: 43	Resp:	127
Ion	Ratio	Lower Upper
43	100	
72	0.0	18.6 27.8#





#31

Cyclohexane

Concen: 1.075 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD073122.D

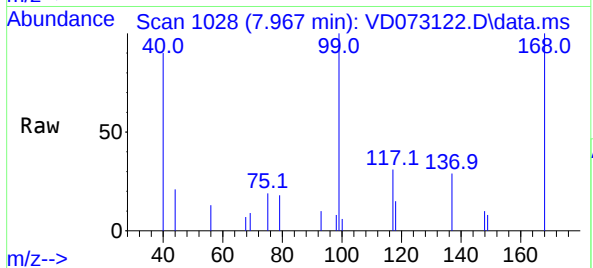
Acq: 19 May 2022 04:13

Instrument :

MSVOA_D

ClientSampleId :

D2321-22-SOIL



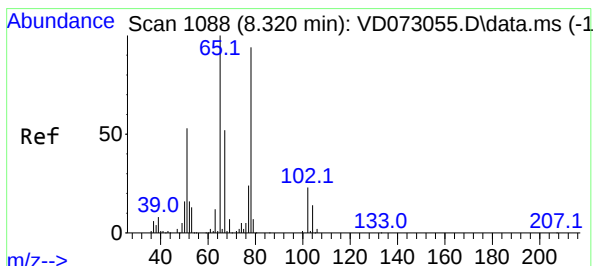
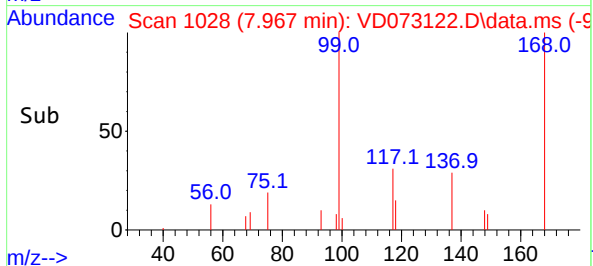
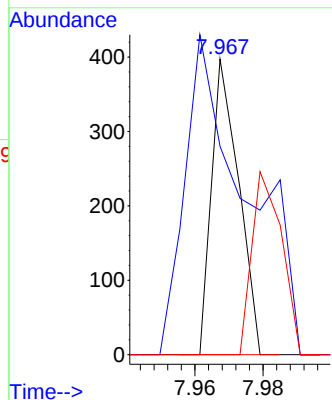
Tgt Ion: 56 Resp: 219

Ion Ratio Lower Upper

56 100

69 28.0 25.4 38.2

84 0.0 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 83.198 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VD073122.D

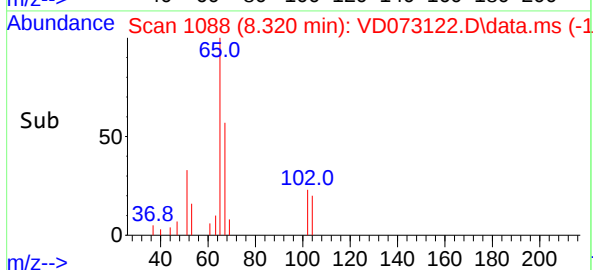
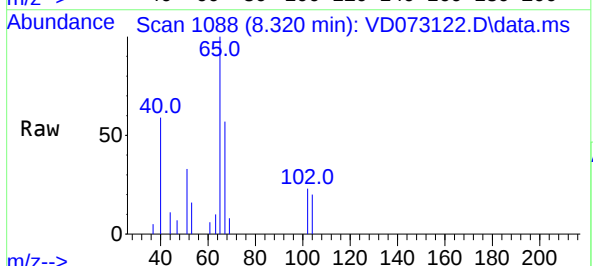
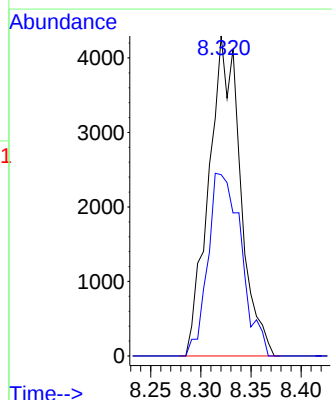
Acq: 19 May 2022 04:13

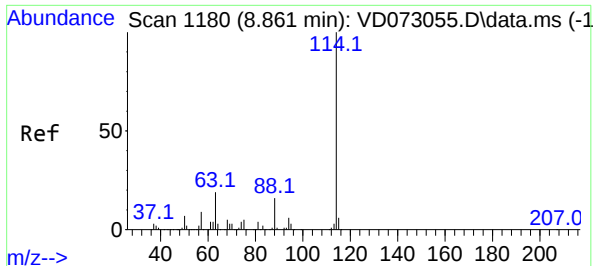
Tgt Ion: 65 Resp: 9412

Ion Ratio Lower Upper

65 100

67 60.3 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD073122.D

Acq: 19 May 2022 04:13

Instrument :

MSVOA_D

ClientSampleId :

D2321-22-SOIL

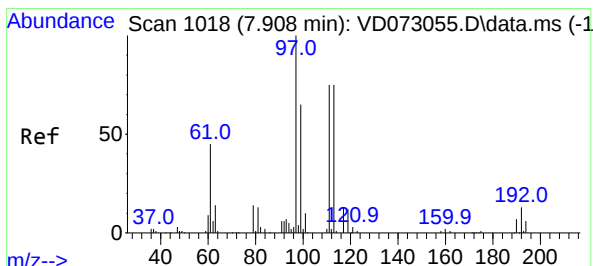
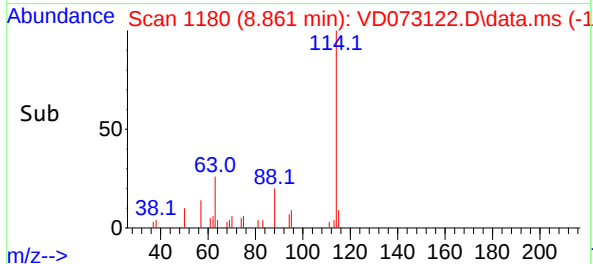
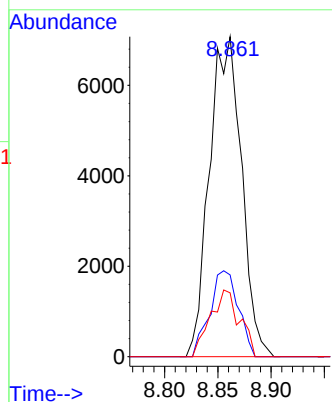
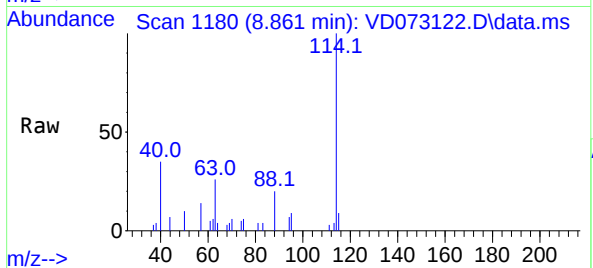
Tgt Ion:114 Resp: 14799

Ion Ratio Lower Upper

114 100

63 25.5 0.0 46.6

88 20.0 0.0 33.2



#35

Dibromofluoromethane

Concen: 81.401 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073122.D

Acq: 19 May 2022 04:13

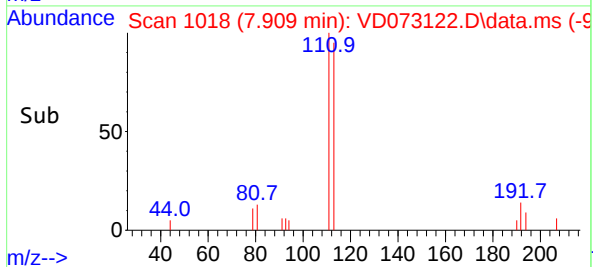
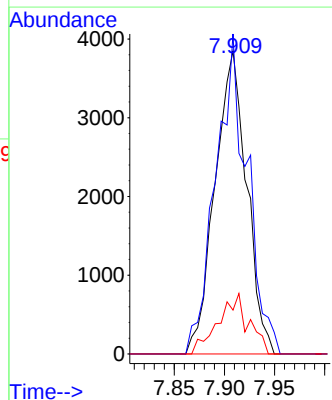
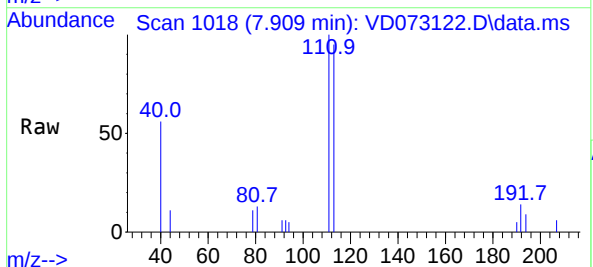
Tgt Ion:113 Resp: 8458

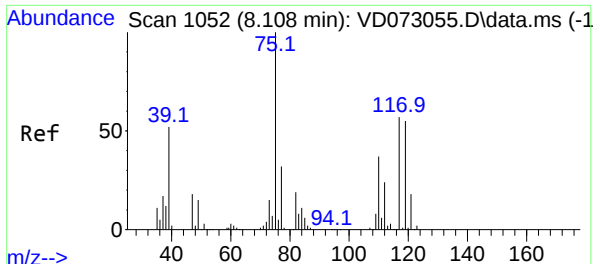
Ion Ratio Lower Upper

113 100

111 105.0 83.8 125.6

192 19.1 14.6 21.8

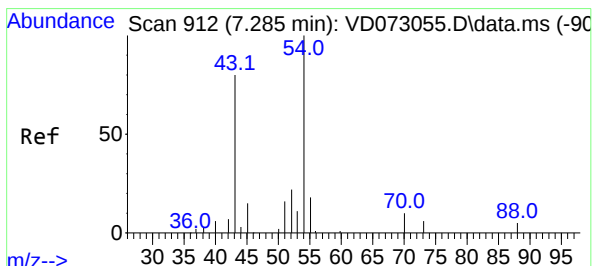
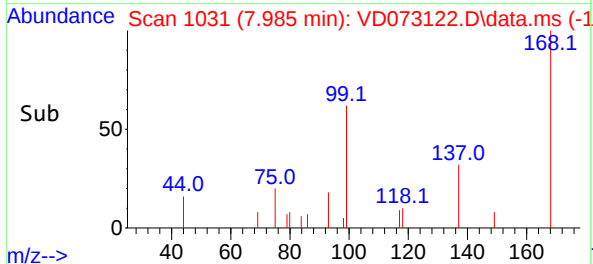
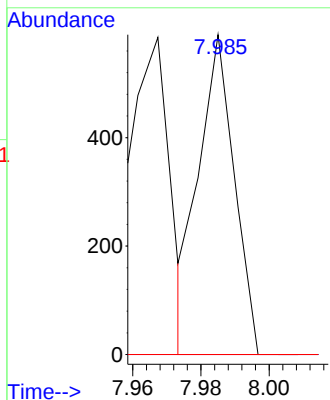
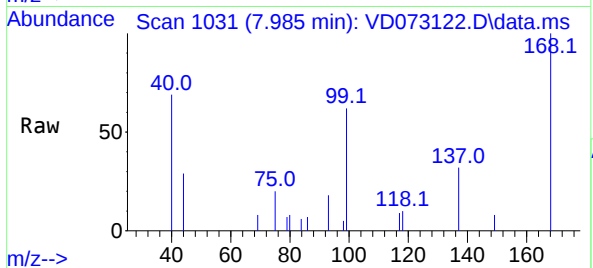




#36
1,1-Dichloropropene
Concen: 2.475 ug/l
RT: 7.985 min Scan# 1052
Delta R.T. -0.123 min
Lab File: VD073122.D
Acq: 19 May 2022 04:13

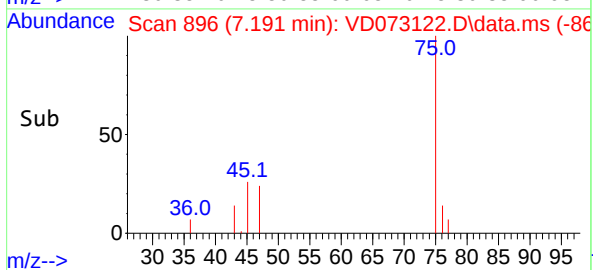
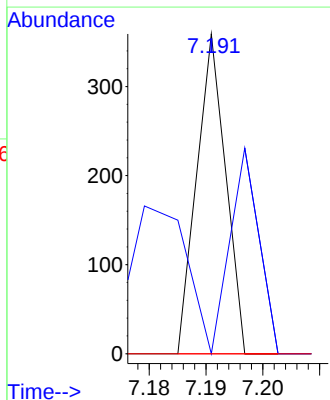
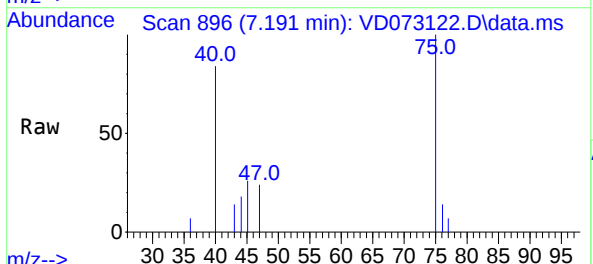
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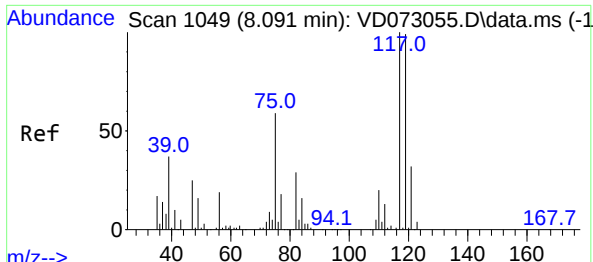
Tgt Ion: 75 Resp: 419
Ion Ratio Lower Upper
75 100
110 0.0 16.4 49.1#
77 0.0 24.2 36.2#



#37
Ethyl Acetate
Concen: 1.786 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.094 min
Lab File: VD073122.D
Acq: 19 May 2022 04:13

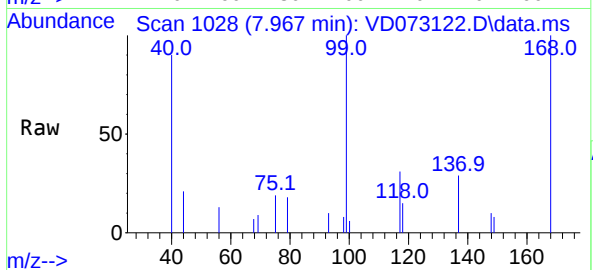
Tgt Ion: 43 Resp: 127
Ion Ratio Lower Upper
43 100
61 88.2 9.8 14.8#
70 0.0 6.9 10.3#



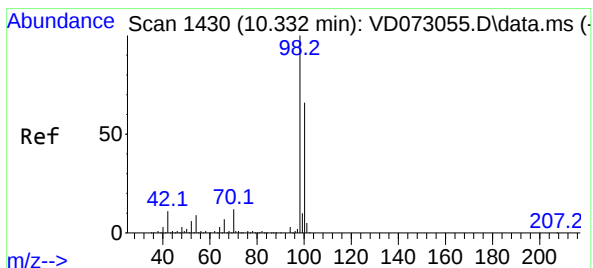
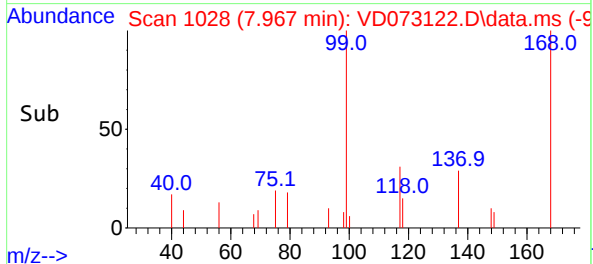
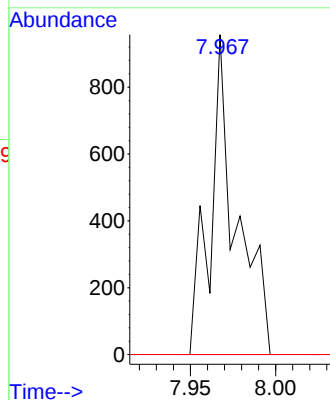


#38
Carbon Tetrachloride
Concen: 5.912 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.123 min
Lab File: VD073122.D
Acq: 19 May 2022 04:13

Instrument :
MSVOA_D
ClientSampleId :
D2321-22-SOIL

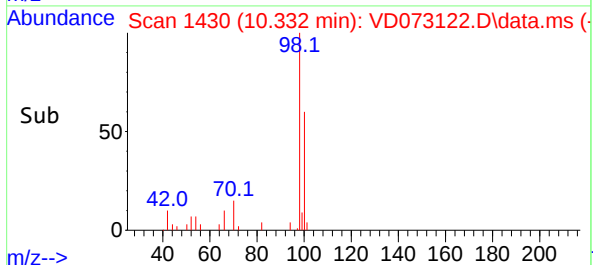
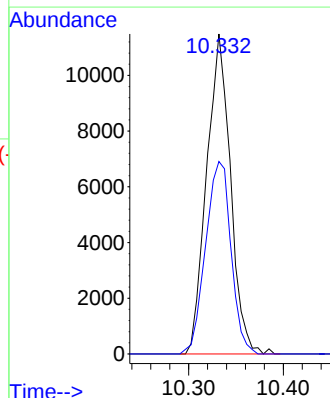
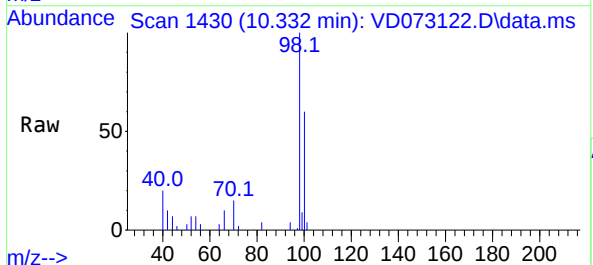


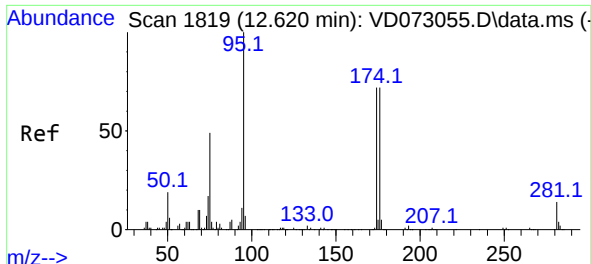
Tgt Ion:117 Resp: 1024
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 53.384 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073122.D
Acq: 19 May 2022 04:13

Tgt Ion: 98 Resp: 20123
Ion Ratio Lower Upper
98 100
100 64.1 52.4 78.6

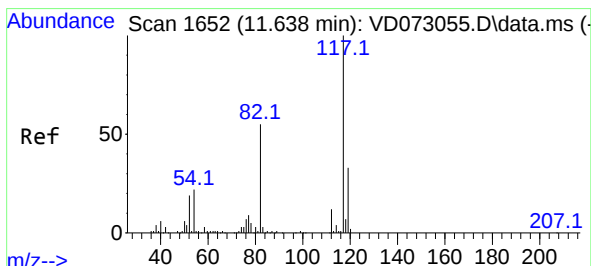
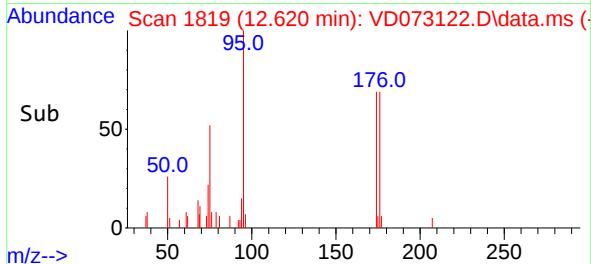
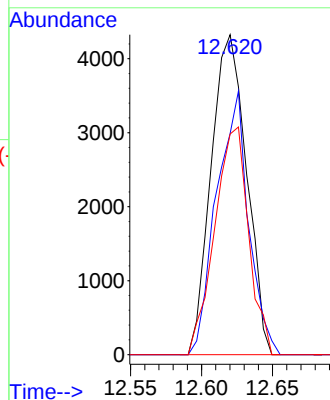
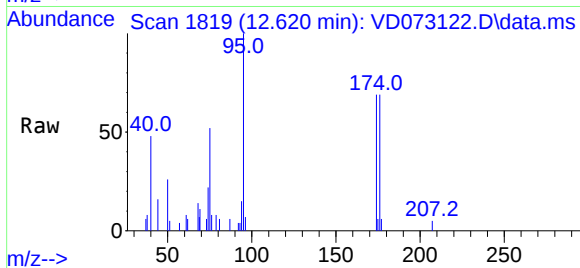




#62
4-Bromofluorobenzene
Concen: 54.919 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073122.D
Acq: 19 May 2022 04:13

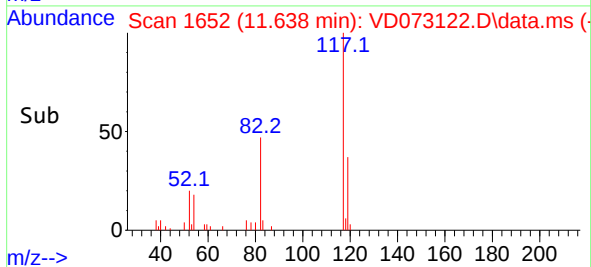
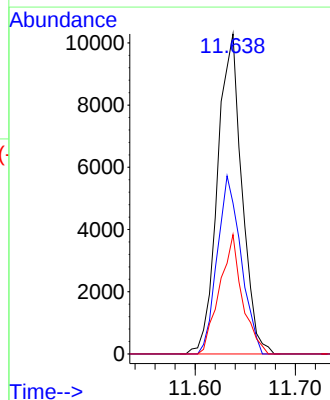
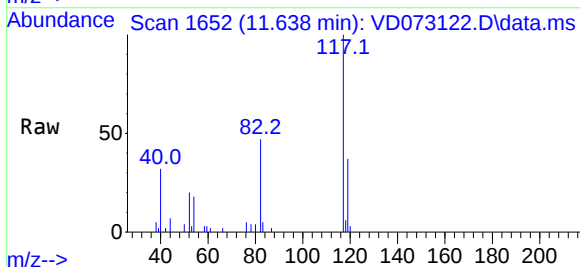
Instrument :
MSVOA_D
ClientSampleId :
D2321-22-SOIL

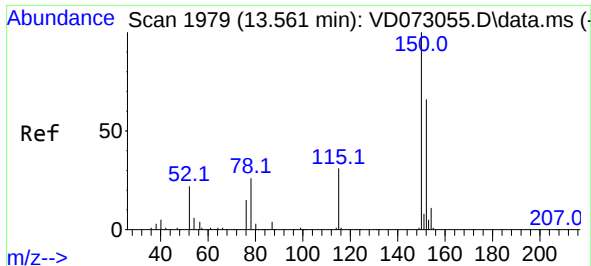
Tgt Ion:	95	Resp:	7498
Ion	Ratio	Lower	Upper
95	100		
174	74.5	0.0	152.8
176	68.0	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD073122.D
Acq: 19 May 2022 04:13

Tgt Ion:	117	Resp:	17340
Ion	Ratio	Lower	Upper
117	100		
82	47.1	45.3	67.9
119	37.3	26.6	40.0

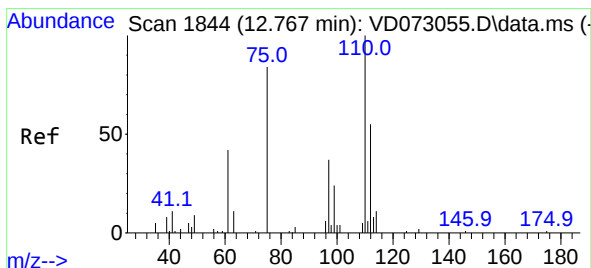
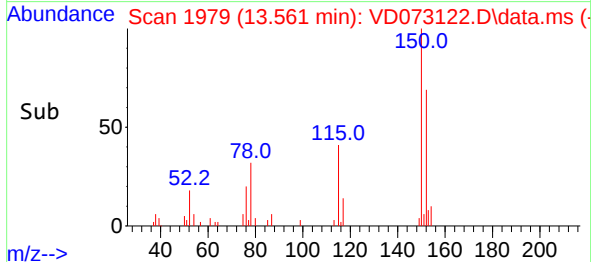
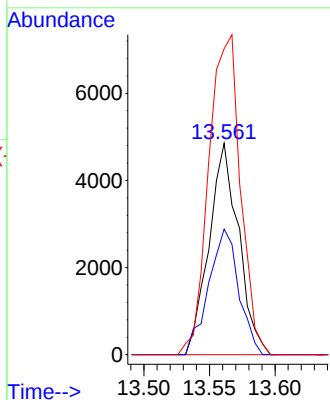
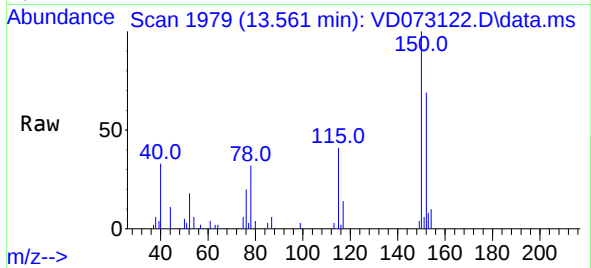




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073122.D
Acq: 19 May 2022 04:13

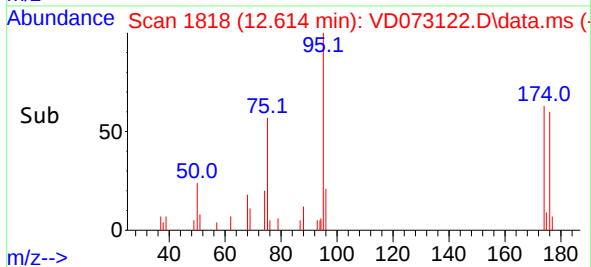
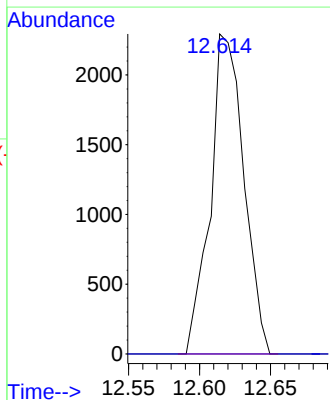
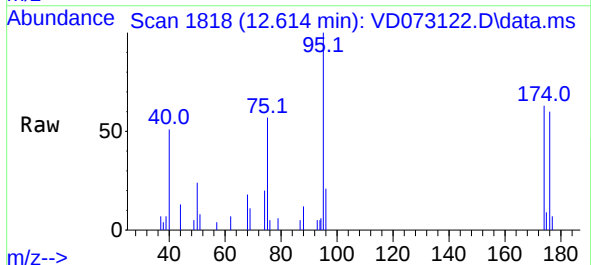
Instrument :
MSVOA_D
ClientSampleId :
D2321-22-SOIL

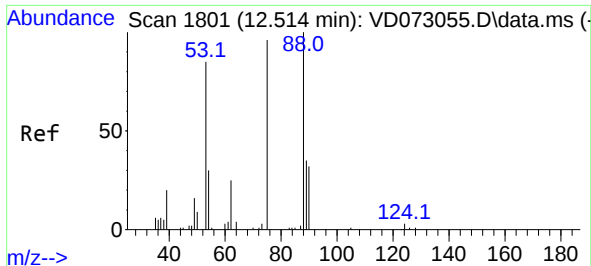
Tgt Ion:152 Resp: 7618
Ion Ratio Lower Upper
152 100
115 60.3 31.3 93.8
150 162.2 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 43.673 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.153 min
Lab File: VD073122.D
Acq: 19 May 2022 04:13

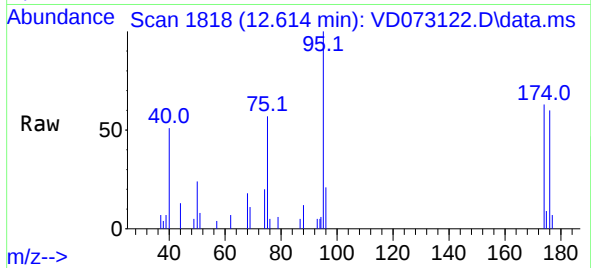
Tgt Ion: 75 Resp: 3761
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#81
trans-1,4-Dichloro-2-butene
Concen: 104.719 ug/l
RT: 12.614 min Scan# 11
Delta R.T. 0.100 min
Lab File: VD073122.D
Acq: 19 May 2022 04:13

Instrument :
MSVOA_D
ClientSampleId :
D2321-22-SOIL



Tgt Ion: 75 Resp: 3761
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#

