

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081921\
 Data File : VD070174.D
 Acq On : 19 Aug 2021 18:12
 Operator : VA/SY
 Sample : M3418-10
 Misc : 4.10G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SWCS-15-1015

Quant Time: Aug 20 05:48:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

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

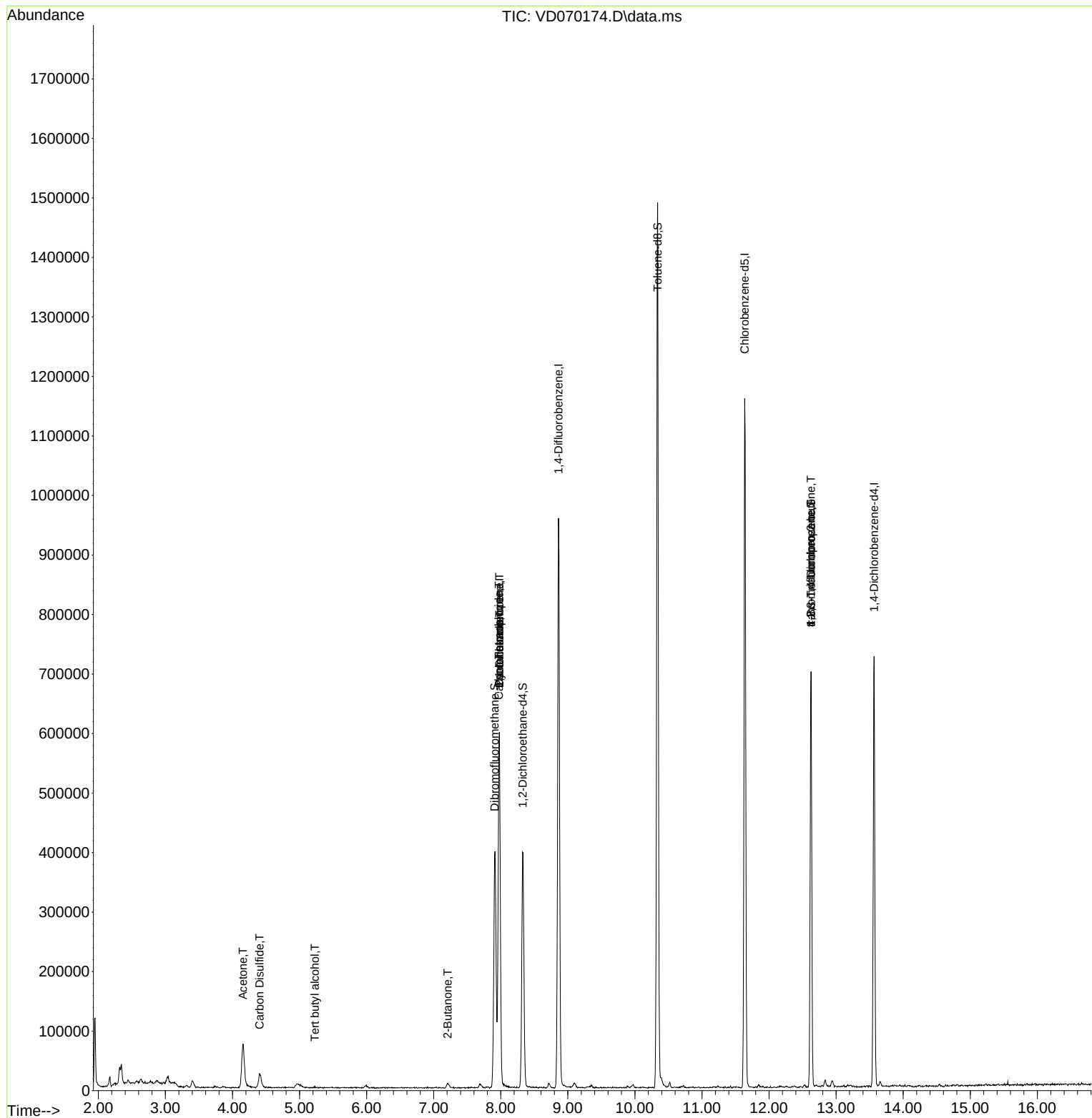
Internal Standards						
1) Pentafluorobenzene	7.979	168	415364	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	813254	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	698456	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	193202	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	306000	62.636	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.280%	
35) Dibromofluoromethane	7.908	113	295069	56.159	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.320%	
50) Toluene-d8	10.338	98	1006123	49.233	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.460%	
62) 4-Bromofluorobenzene	12.626	95	240804	35.775	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 71.560%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	133	Below Cal	#	42
3) Chloromethane	2.203	50	895	Below Cal		94
5) Bromomethane	2.779	94	1400	Below Cal	#	74
11) Tert butyl alcohol	5.226	59	813	3.011	ug/l #	89
16) Acetone	4.156	43	130252	144.731	ug/l	95
17) Carbon Disulfide	4.403	76	49453	2.772	ug/l	99
20) Methylene Chloride	4.956	84	4866	Below Cal	#	76
25) 2-Butanone	7.208	43	9443	7.679	ug/l	90
31) Cyclohexane	7.979	56	11690	1.209	ug/l #	8
36) 1,1-Dichloropropene	7.979	75	38420	4.391	ug/l #	50
38) Carbon Tetrachloride	7.973	117	44811	5.642	ug/l #	14
76) 1,2,3-Trichloropropane	12.626	75	117110	59.770	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	117110	155.142	ug/l #	18

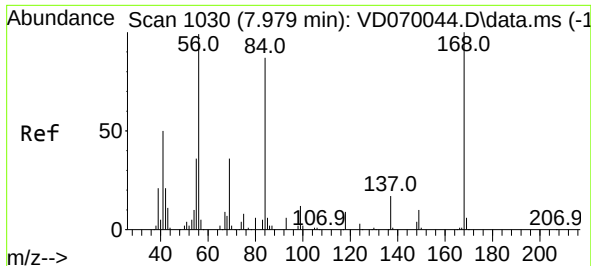
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 20 05:48:25 2021
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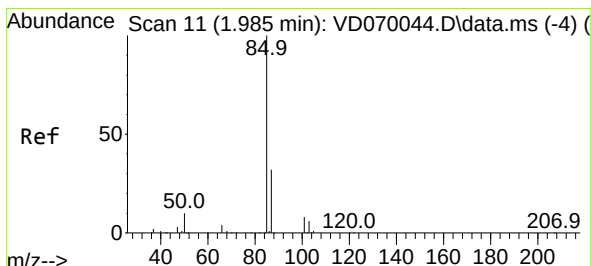
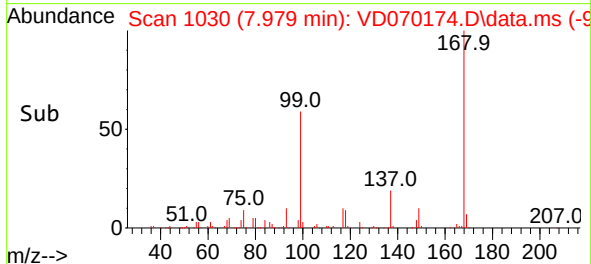
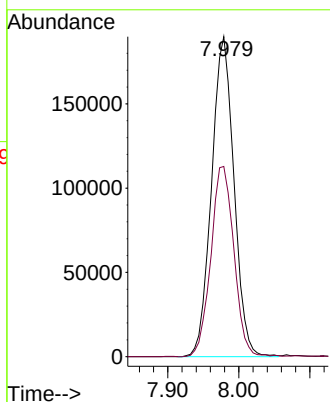
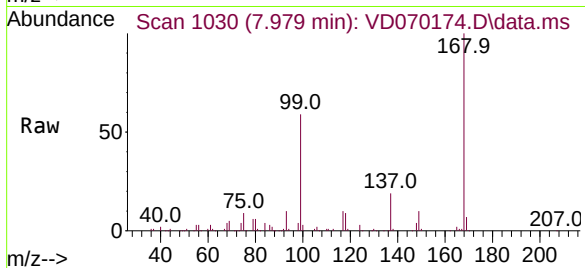




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070174.D
Acq: 19 Aug 2021 18:12

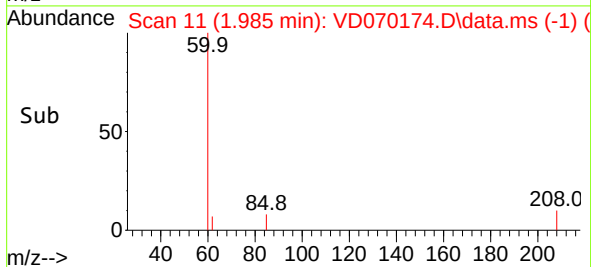
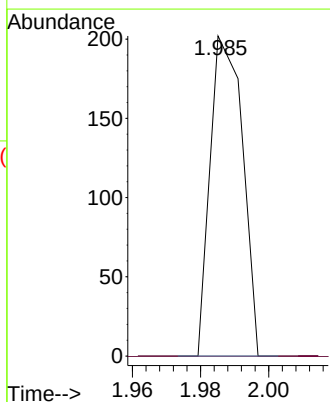
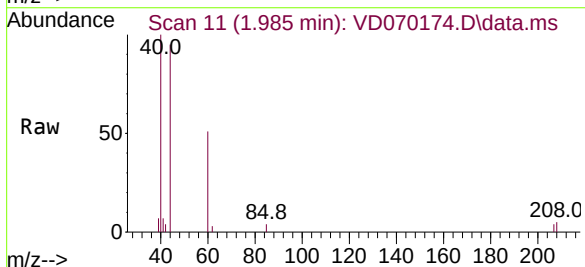
Instrument :
MSVOA_D
ClientSampleId :
SWCS-15-1015

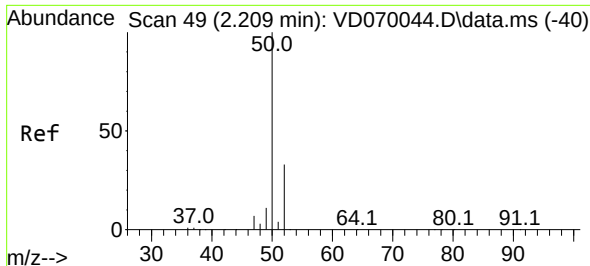
Tgt Ion:168 Resp: 415364
Ion Ratio Lower Upper
168 100
99 59.4 50.3 75.5



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.985 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD070174.D
Acq: 19 Aug 2021 18:12

Tgt Ion: 85 Resp: 133
Ion Ratio Lower Upper
85 100
87 0.0 16.2 48.6#

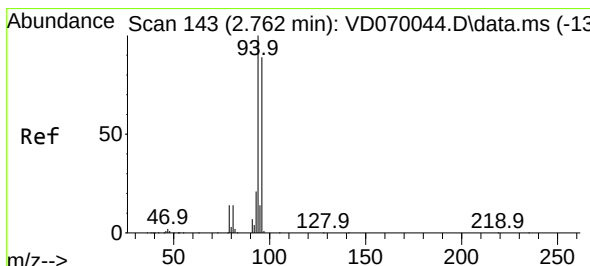
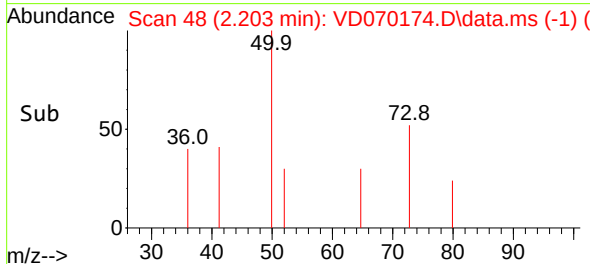
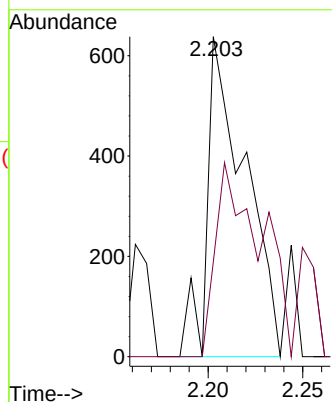
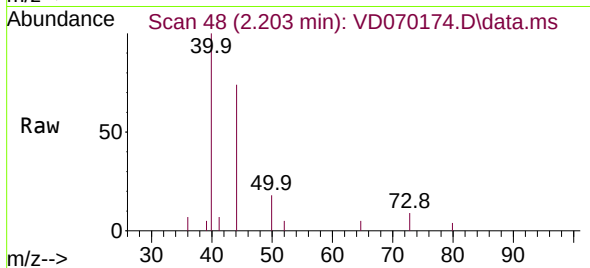




#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD070174.D
Acq: 19 Aug 2021 18:12

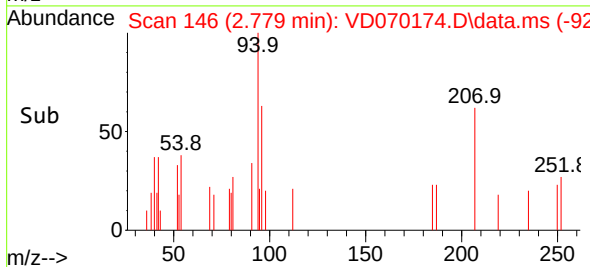
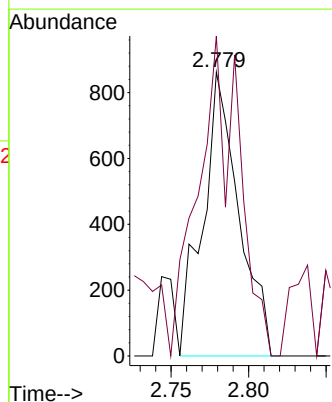
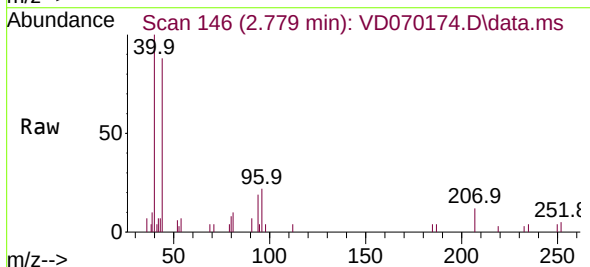
Instrument :
MSVOA_D
ClientSampleId :
SWCS-15-1015

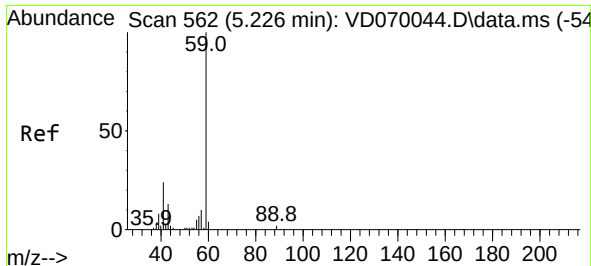
Tgt Ion: 50 Resp: 895
Ion Ratio Lower Upper
50 100
52 29.6 26.3 39.5



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070174.D
Acq: 19 Aug 2021 18:12

Tgt Ion: 94 Resp: 1400
Ion Ratio Lower Upper
94 100
96 112.8 70.9 106.3#



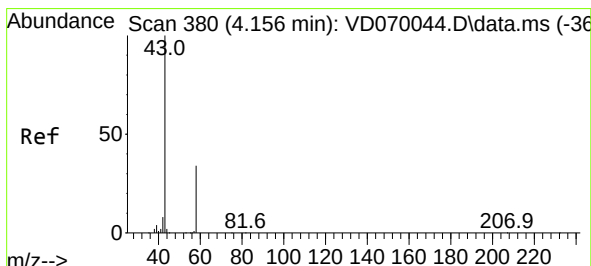
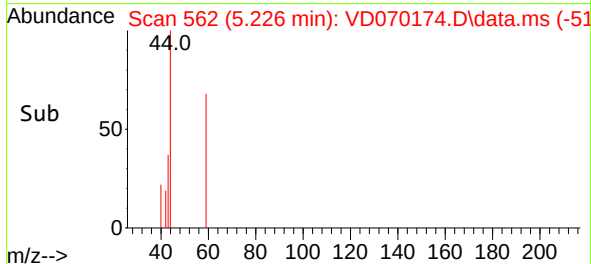
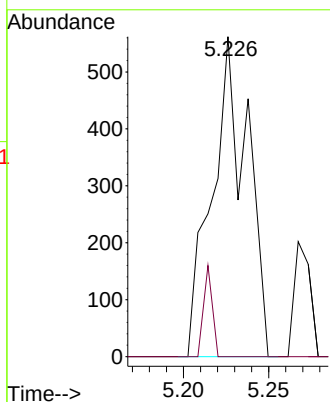
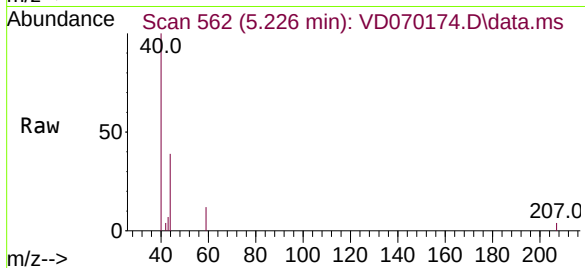


#11

Tert butyl alcohol
Concen: 3.011 ug/l
RT: 5.226 min Scan# 562
Delta R.T. -0.000 min
Lab File: VD070174.D
Acq: 19 Aug 2021 18:12

Instrument :
MSVOA_D
ClientSampleId :
SWCS-15-1015

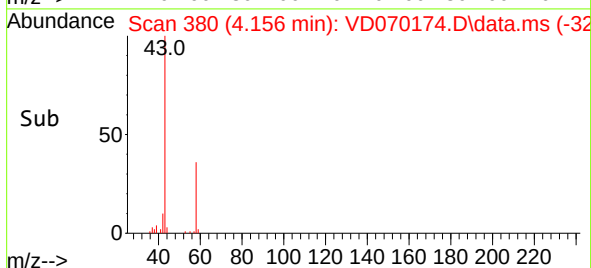
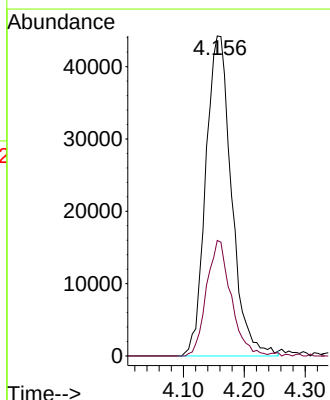
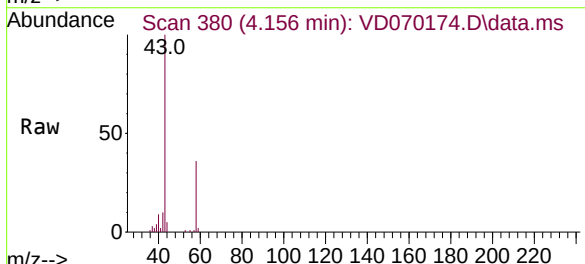
Tgt Ion: 59 Resp: 813
Ion Ratio Lower Upper
59 100
57 6.9 8.8 13.2#

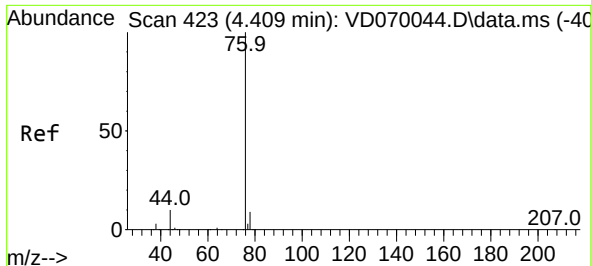


#16

Acetone
Concen: 144.731 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070174.D
Acq: 19 Aug 2021 18:12

Tgt Ion: 43 Resp: 130252
Ion Ratio Lower Upper
43 100
58 36.1 26.8 40.2

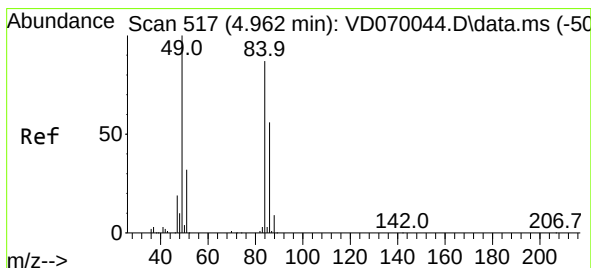
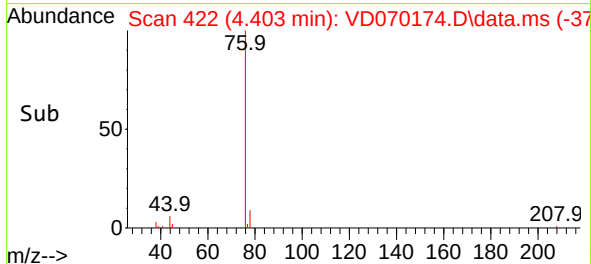
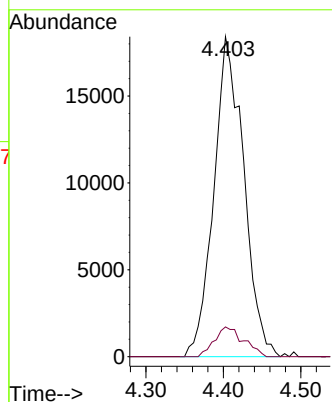
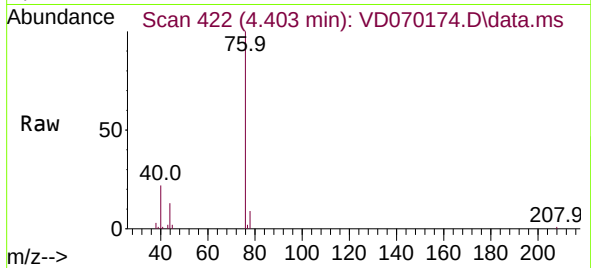




#17
Carbon Disulfide
Concen: 2.772 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD070174.D
Acq: 19 Aug 2021 18:12

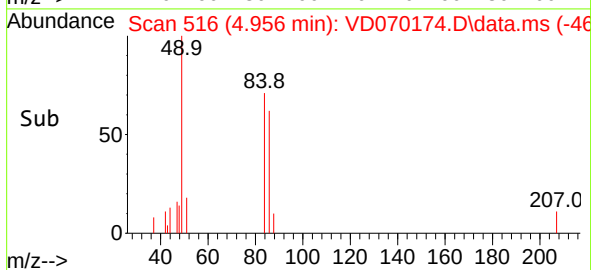
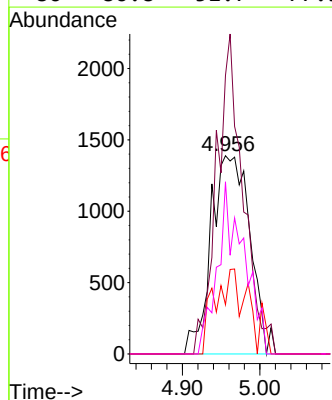
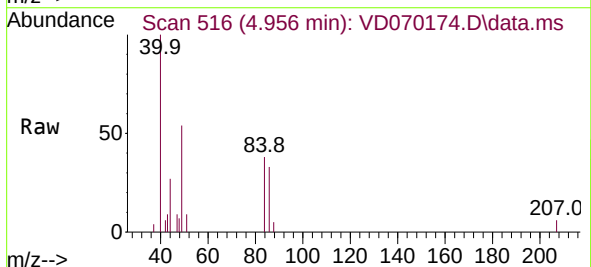
Instrument :
MSVOA_D
ClientSampleId :
SWCS-15-1015

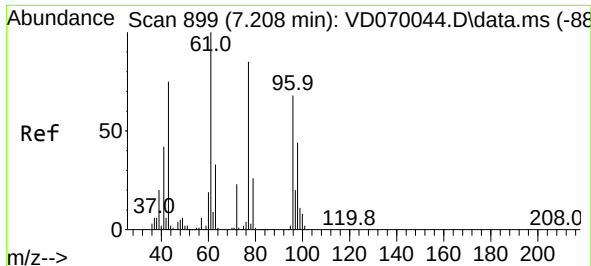
Tgt Ion: 76 Resp: 49453
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD070174.D
Acq: 19 Aug 2021 18:12

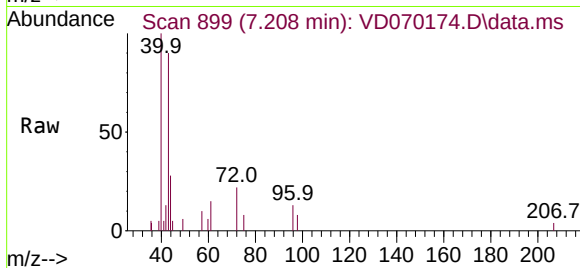
Tgt Ion: 84 Resp: 4866
Ion Ratio Lower Upper
84 100
49 140.5 92.5 138.7#
51 24.8 29.7 44.5#
86 86.8 51.7 77.5#



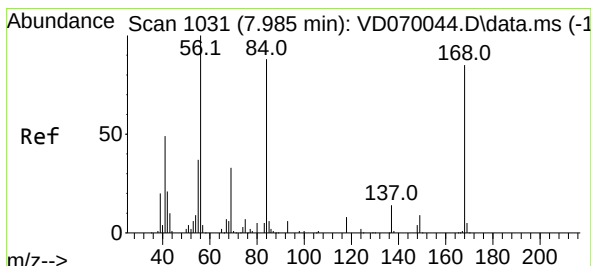
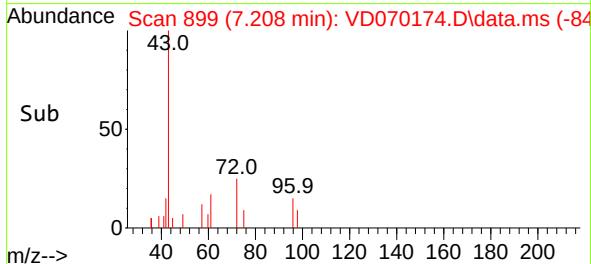
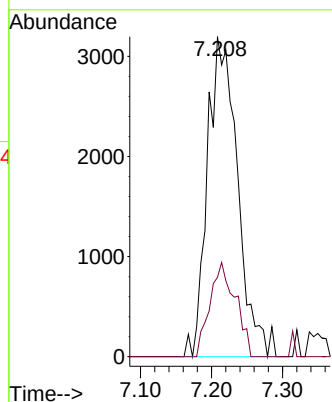


#25
2-Butanone
Concen: 7.679 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD070174.D
Acq: 19 Aug 2021 18:12

Instrument :
MSVOA_D
ClientSampleId :
SWCS-15-1015

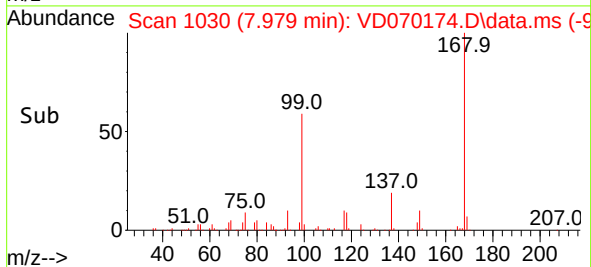
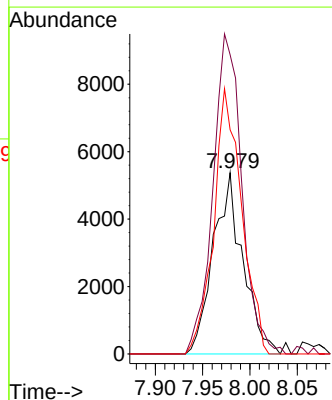
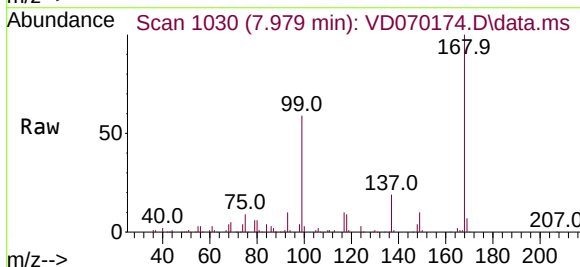


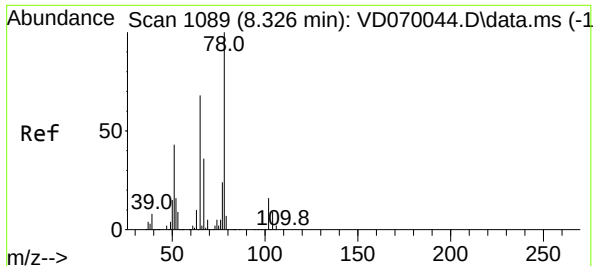
Tgt Ion: 43 Resp: 9443
Ion Ratio Lower Upper
43 100
72 24.8 24.2 36.4



#31
Cyclohexane
Concen: 1.209 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070174.D
Acq: 19 Aug 2021 18:12

Tgt Ion: 56 Resp: 11690
Ion Ratio Lower Upper
56 100
69 165.0 26.7 40.1#
84 123.7 70.4 105.6#

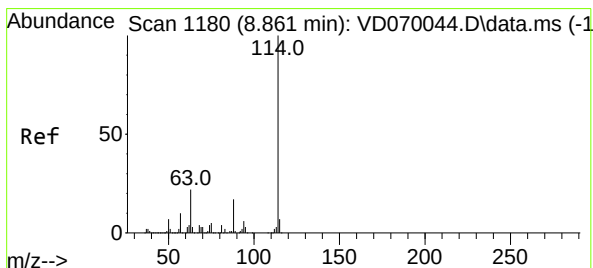
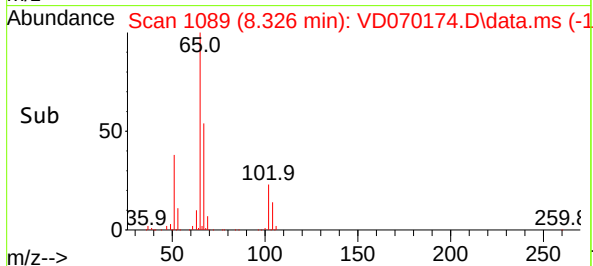
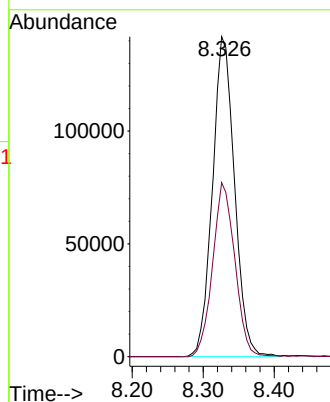
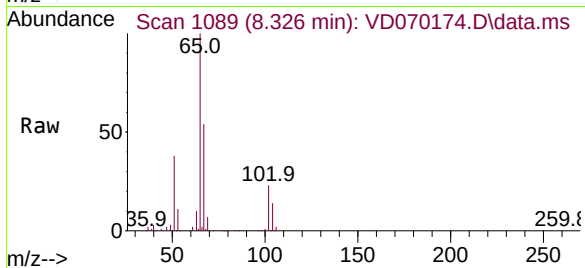




#33
 1,2-Dichloroethane-d4
 Concen: 62.636 ug/l
 RT: 8.326 min Scan# 1089
 Delta R.T. -0.000 min
 Lab File: VD070174.D
 Acq: 19 Aug 2021 18:12

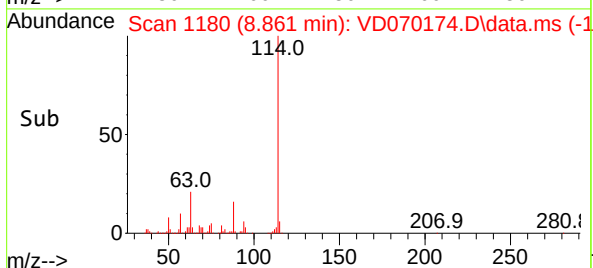
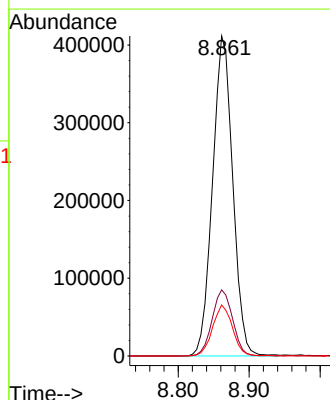
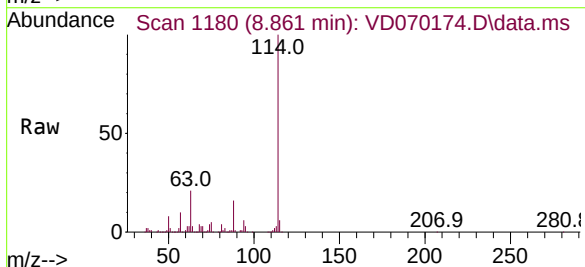
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 SWCS-15-1015

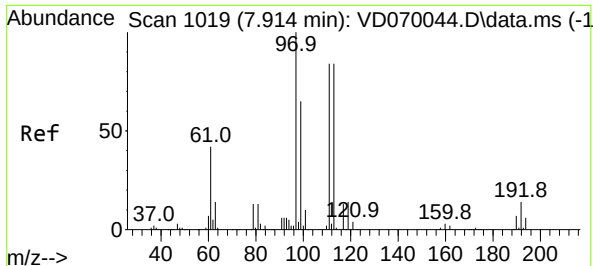
Tgt Ion: 65 Resp: 306000
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.861 min Scan# 1180
 Delta R.T. -0.000 min
 Lab File: VD070174.D
 Acq: 19 Aug 2021 18:12

Tgt Ion: 114 Resp: 813254
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 43.6
 88 16.0 0.0 33.4



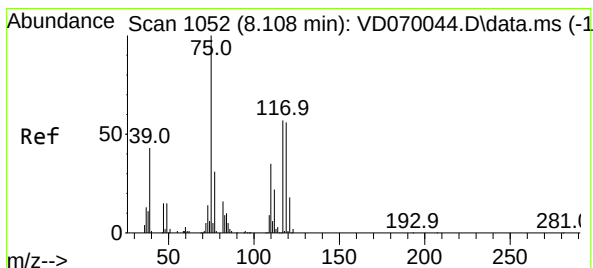
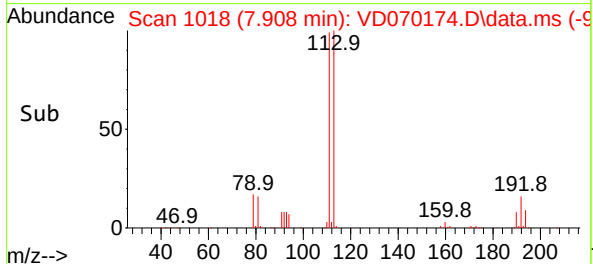
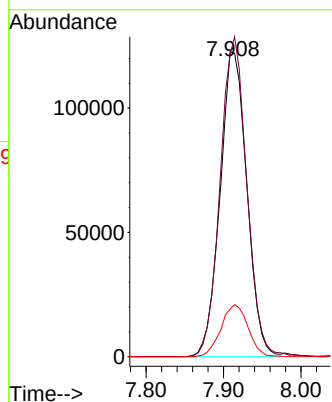
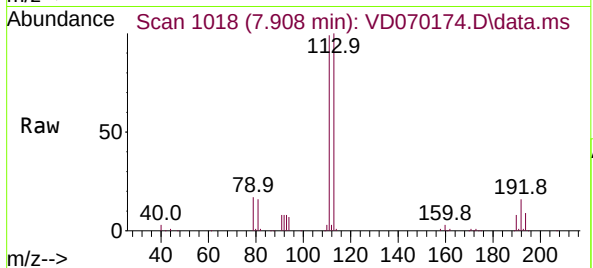


#35

Dibromofluoromethane
Concen: 56.159 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD070174.D
Acq: 19 Aug 2021 18:12

Instrument :
MSVOA_D
ClientSampleId :
SWCS-15-1015

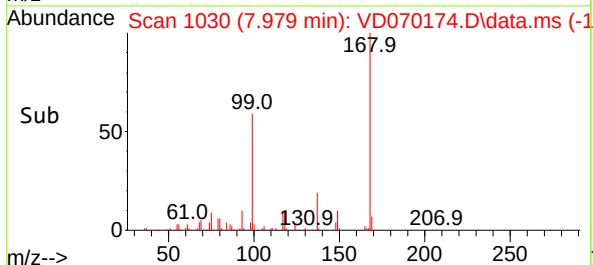
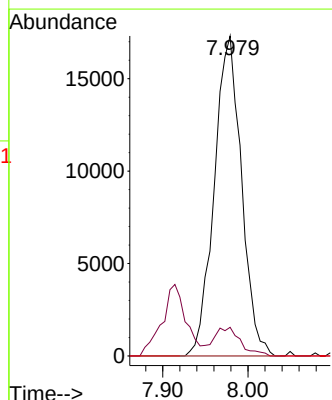
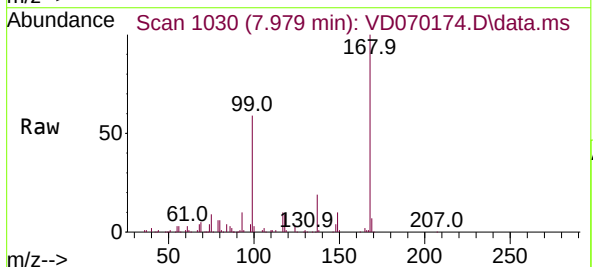
Tgt Ion:113 Resp: 295069
Ion Ratio Lower Upper
113 100
111 104.4 81.8 122.6
192 17.2 13.2 19.8

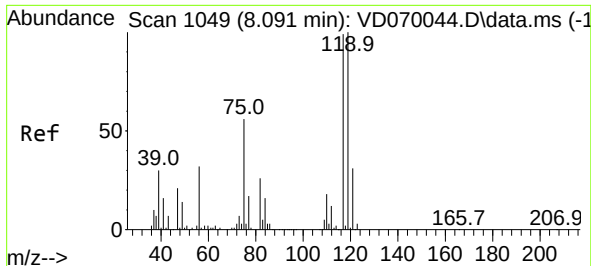


#36

1,1-Dichloropropene
Concen: 4.391 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD070174.D
Acq: 19 Aug 2021 18:12

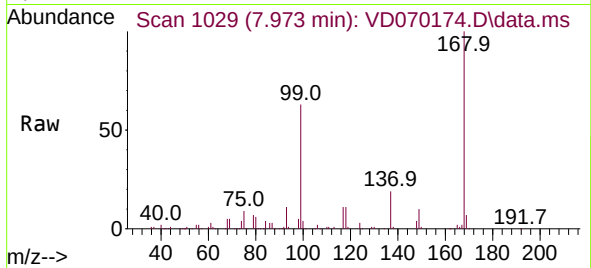
Tgt Ion: 75 Resp: 38420
Ion Ratio Lower Upper
75 100
110 8.6 16.9 50.7#
77 0.0 25.2 37.8#



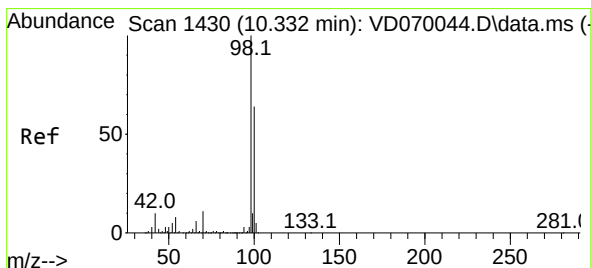
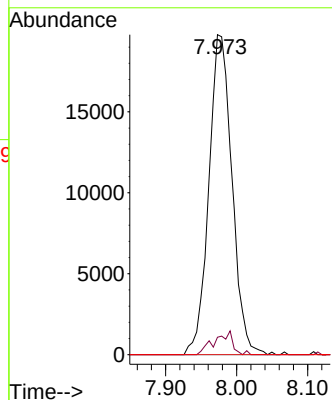
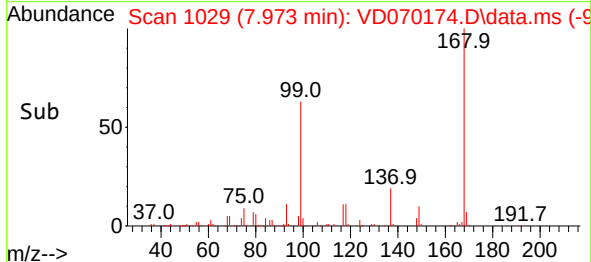


#38
Carbon Tetrachloride
Concen: 5.642 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD070174.D
Acq: 19 Aug 2021 18:12

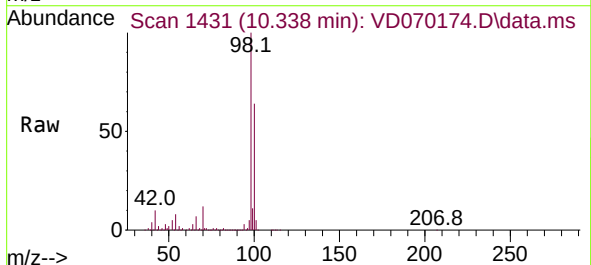
Instrument :
MSVOA_D
ClientSampleId :
SWCS-15-1015



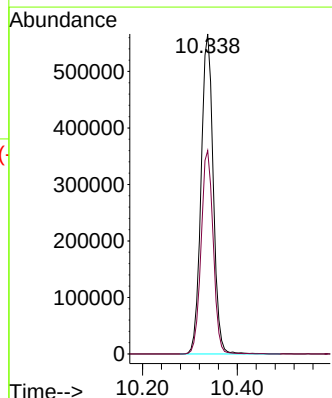
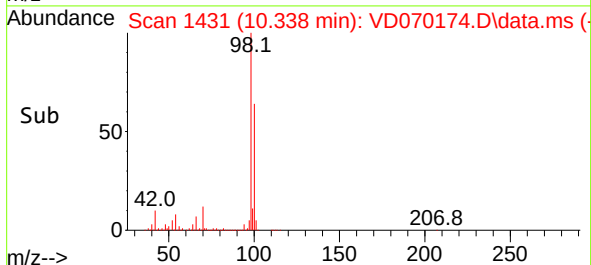
Tgt Ion:117 Resp: 44811
Ion Ratio Lower Upper
117 100
119 5.4 81.0 121.6#
121 0.0 25.0 37.6#

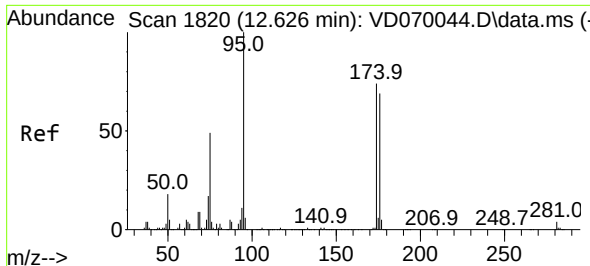


#50
Toluene-d8
Concen: 49.233 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070174.D
Acq: 19 Aug 2021 18:12



Tgt Ion: 98 Resp: 1006123
Ion Ratio Lower Upper
98 100
100 63.4 52.6 78.8

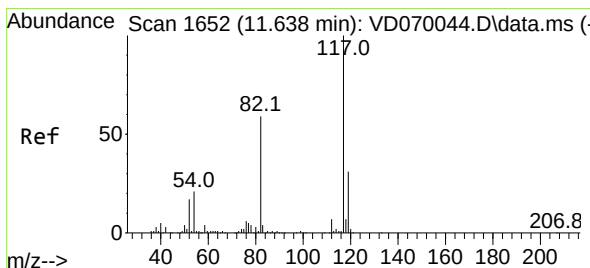
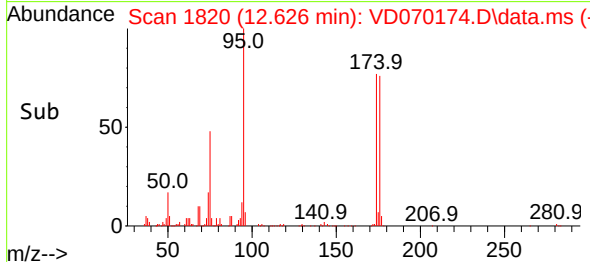
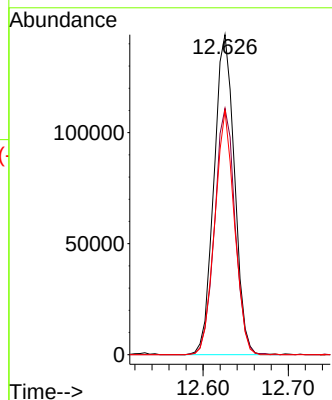
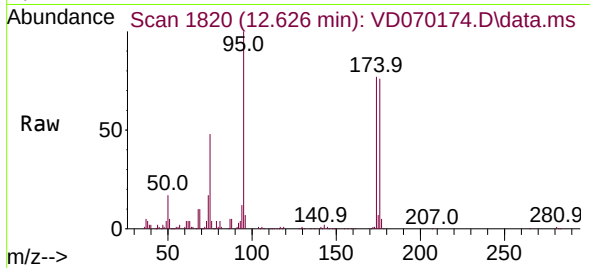




#62
4-Bromofluorobenzene
Concen: 35.775 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070174.D
Acq: 19 Aug 2021 18:12

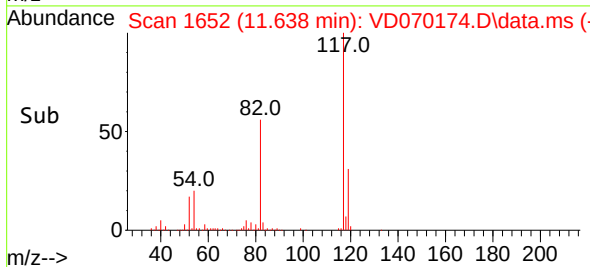
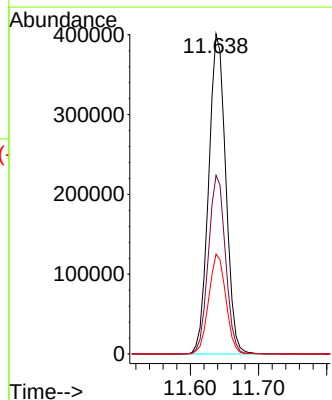
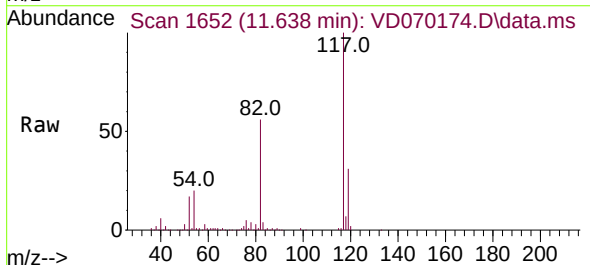
Instrument :
MSVOA_D
ClientSampleId :
SWCS-15-1015

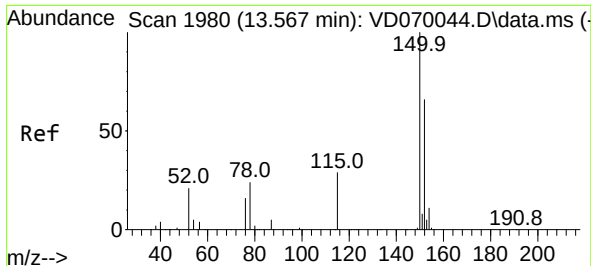
Tgt Ion: 95 Resp: 240804
Ion Ratio Lower Upper
95 100
174 76.3 0.0 141.6
176 73.0 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070174.D
Acq: 19 Aug 2021 18:12

Tgt Ion: 117 Resp: 698456
Ion Ratio Lower Upper
117 100
82 55.8 47.5 71.3
119 31.2 25.1 37.7

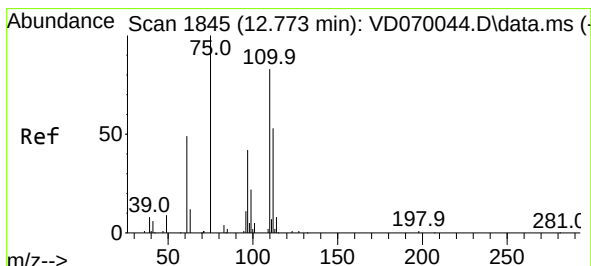
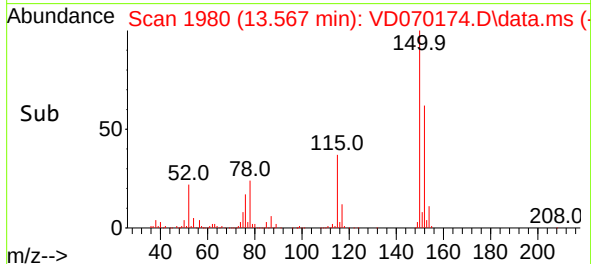
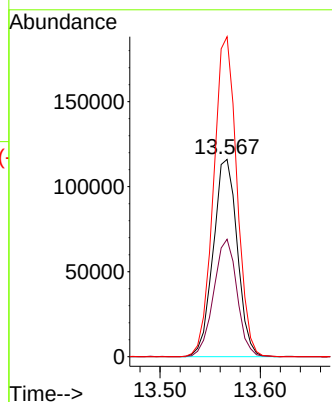
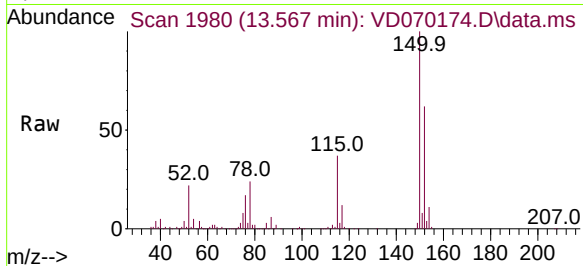




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD070174.D
 Acq: 19 Aug 2021 18:12

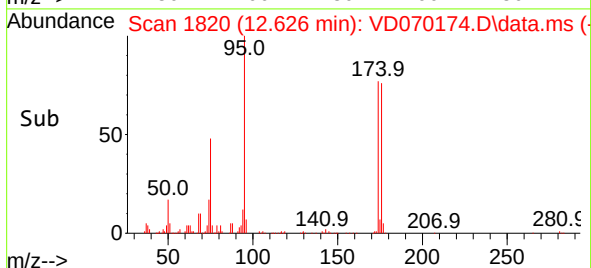
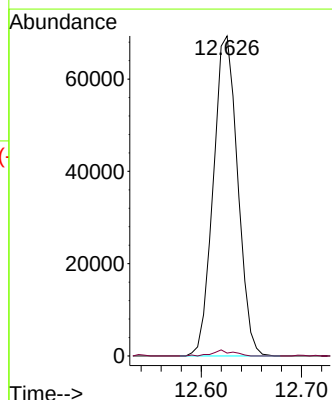
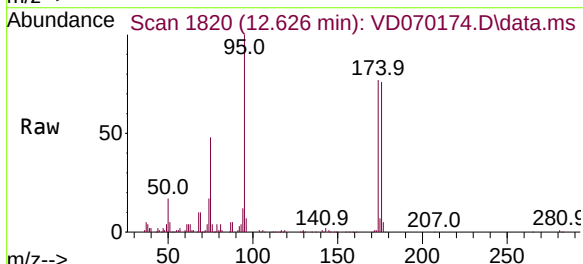
Instrument :
 MSVOA_D
 ClientSampleId :
 SWCS-15-1015

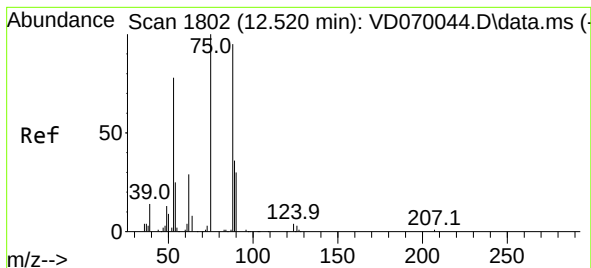
Tgt Ion:152 Resp: 193202
 Ion Ratio Lower Upper
 152 100
 115 58.0 31.2 93.6
 150 157.3 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 59.770 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD070174.D
 Acq: 19 Aug 2021 18:12

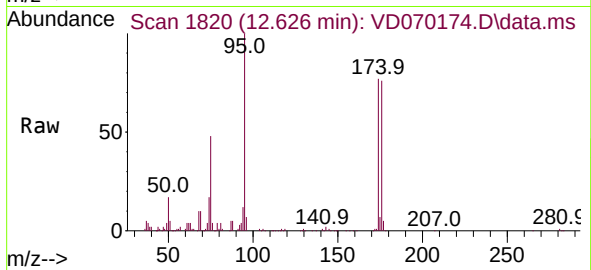
Tgt Ion: 75 Resp: 117110
 Ion Ratio Lower Upper
 75 100
 77 1.6 182.4 547.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 155.142 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD070174.D
 Acq: 19 Aug 2021 18:12

Instrument :
 MSVOA_D
 ClientSampleId :
 SWCS-15-1015



Tgt Ion: 75 Resp: 117110
 Ion Ratio Lower Upper
 75 100
 53 0.6 64.5 96.7#
 89 0.1 33.7 50.5#

