

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081921\
 Data File : VD070165.D
 Acq On : 19 Aug 2021 13:54
 Operator : VA/SY
 Sample : M3435-13RE
 Misc : 4.73G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SWCS-24-0003RE

Quant Time: Aug 20 05:47:13 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)

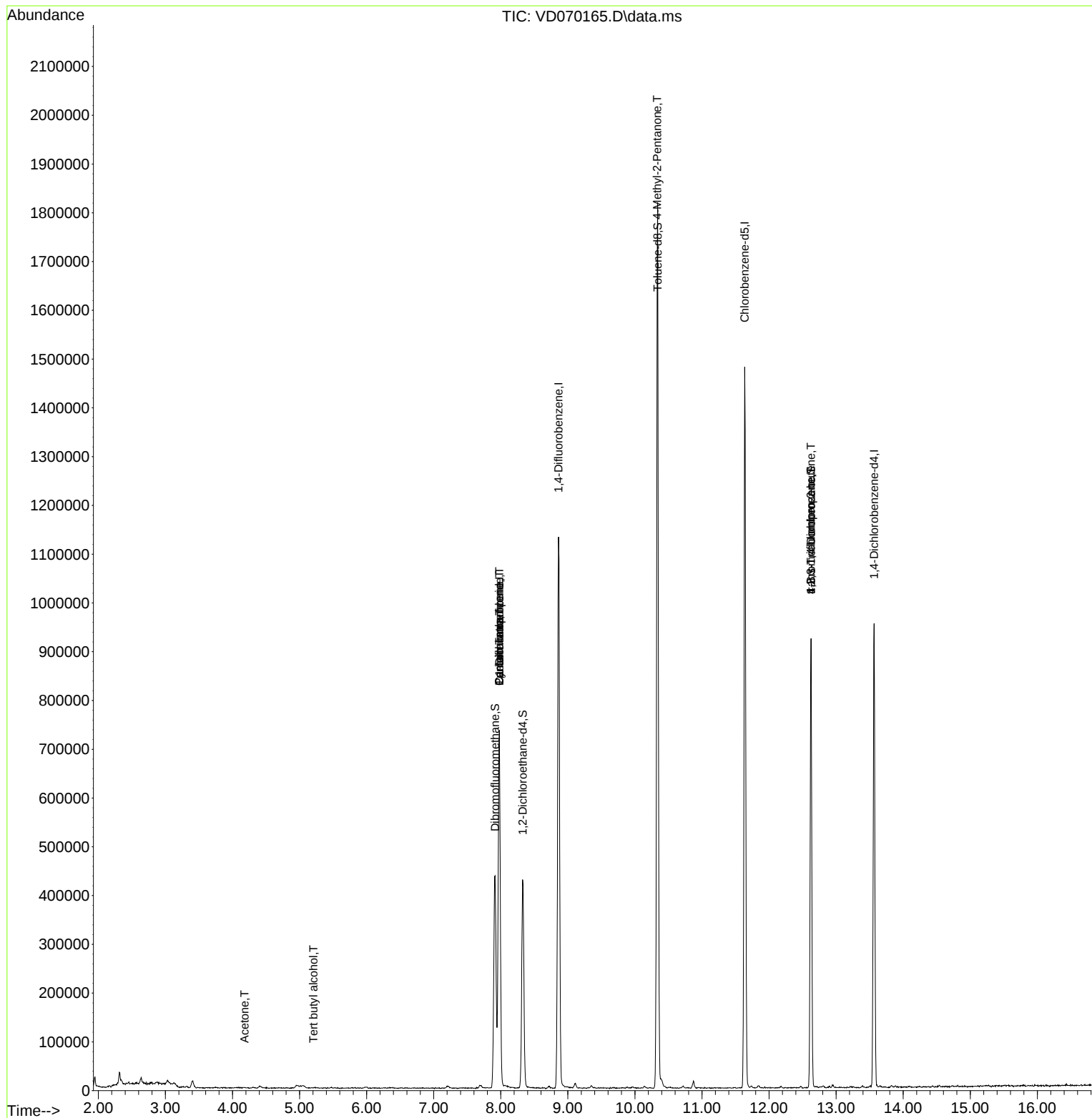
Internal Standards						
1) Pentafluorobenzene	7.979	168	511029	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	971385	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	861444	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	263714	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	334255	55.612	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.220%	
35) Dibromofluoromethane	7.914	113	331414	52.808	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.620%	
50) Toluene-d8	10.338	98	1224031	50.146	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.300%	
62) 4-Bromofluorobenzene	12.626	95	308609	38.385	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 76.780%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	917	Below Cal		75
3) Chloromethane	2.209	50	1370	Below Cal		100
5) Bromomethane	2.779	94	2958	Below Cal	#	67
11) Tert butyl alcohol	5.208	59	714	2.149	ug/l #	71
16) Acetone	4.179	43	2009	1.814	ug/l #	74
20) Methylene Chloride	4.961	84	2709	Below Cal	#	88
31) Cyclohexane	7.979	56	13360	1.123	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	45768	4.380	ug/l #	49
38) Carbon Tetrachloride	7.979	117	52853	5.571	ug/l #	15
51) 4-Methyl-2-Pentanone	10.332	43	4874	1.323	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	153307	57.323	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	153307	148.790	ug/l #	18

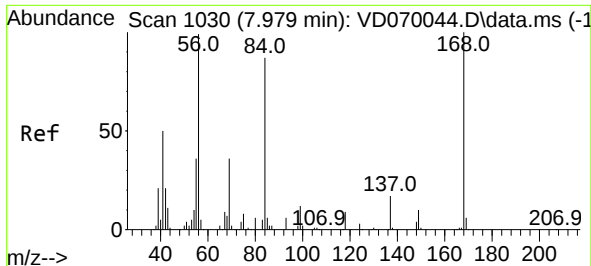
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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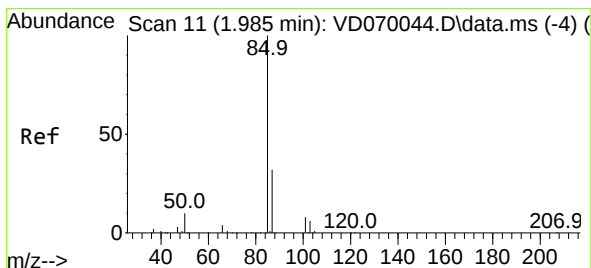
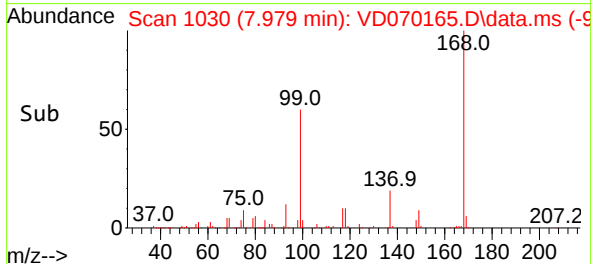
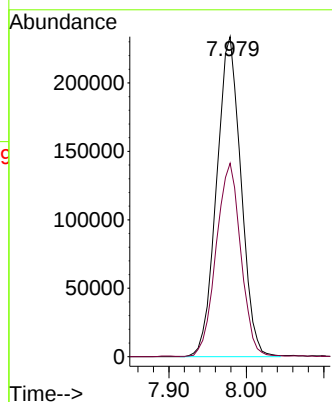
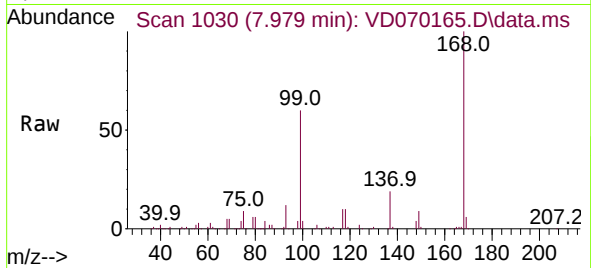




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070165.D
Acq: 19 Aug 2021 13:54

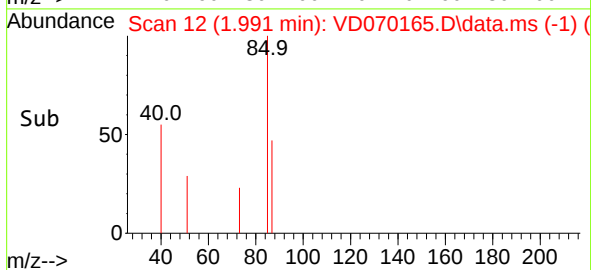
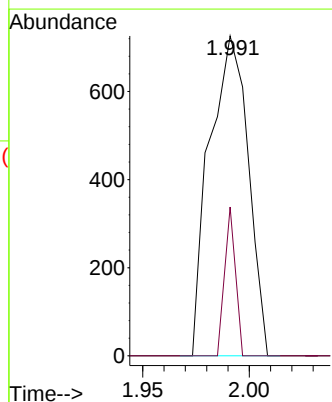
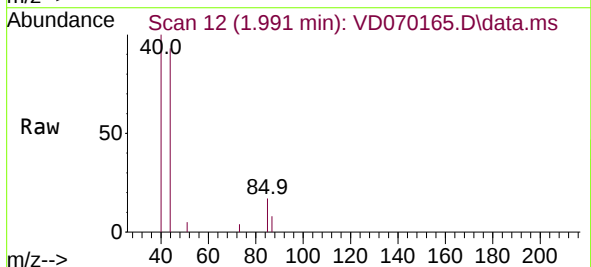
Instrument :
MSVOA_D
ClientSampleId :
SWCS-24-0003RE

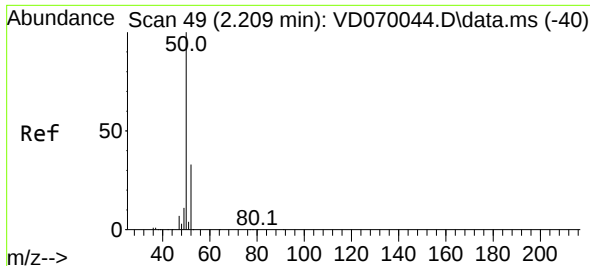
Tgt Ion:168 Resp: 511029
Ion Ratio Lower Upper
168 100
99 60.4 50.3 75.5



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD070165.D
Acq: 19 Aug 2021 13:54

Tgt Ion: 85 Resp: 917
Ion Ratio Lower Upper
85 100
87 46.6 16.2 48.6

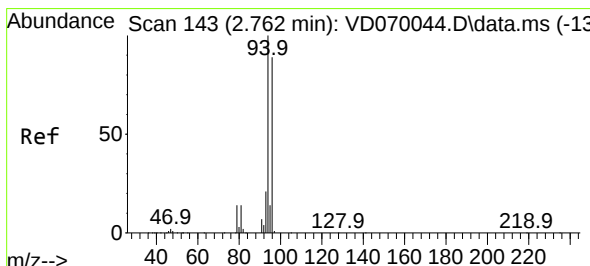
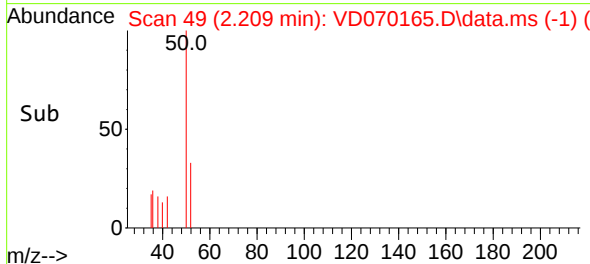
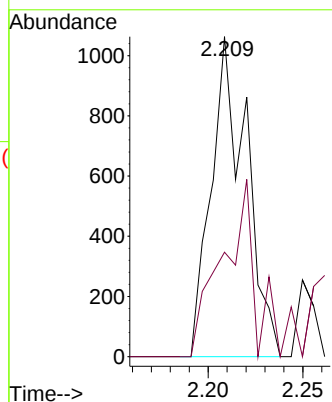
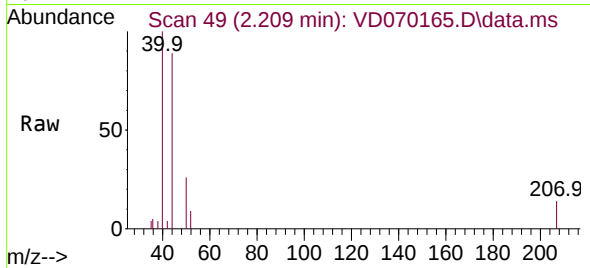




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070165.D
Acq: 19 Aug 2021 13:54

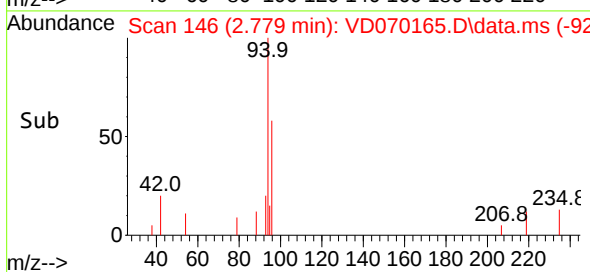
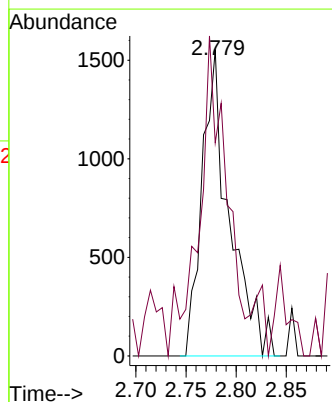
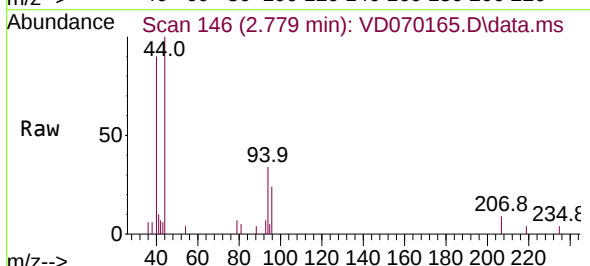
Instrument :
MSVOA_D
ClientSampleId :
SWCS-24-0003RE

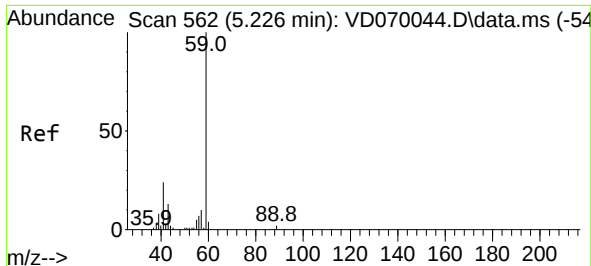
Tgt Ion: 50 Resp: 1370
Ion Ratio Lower Upper
50 100
52 32.6 26.3 39.5



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070165.D
Acq: 19 Aug 2021 13:54

Tgt Ion: 94 Resp: 2958
Ion Ratio Lower Upper
94 100
96 57.6 70.9 106.3#



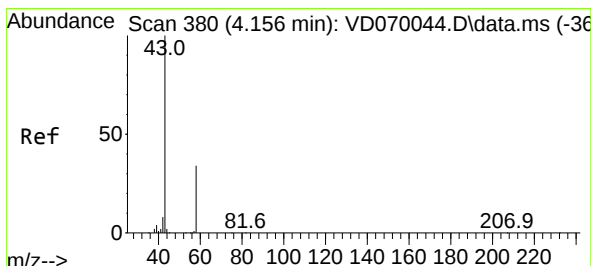
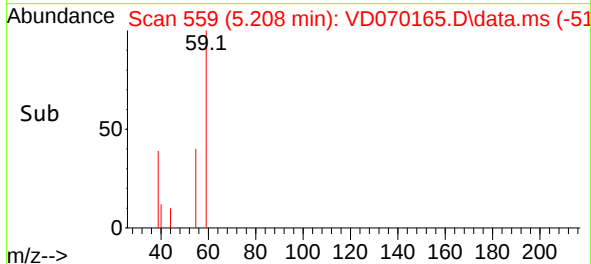
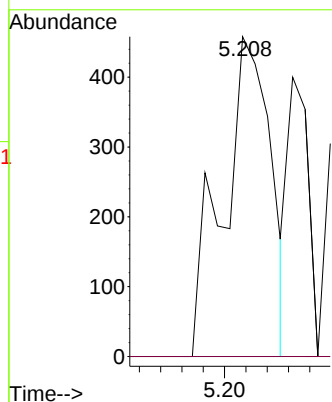
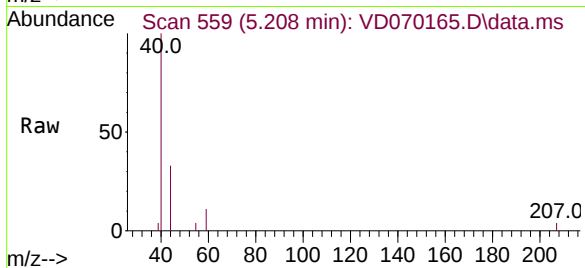


#11

Tert butyl alcohol
Concen: 2.149 ug/l
RT: 5.208 min Scan# 559
Delta R.T. -0.018 min
Lab File: VD070165.D
Acq: 19 Aug 2021 13:54

Instrument :
MSVOA_D
ClientSampleId :
SWCS-24-0003RE

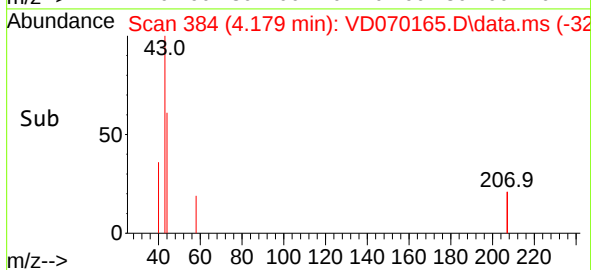
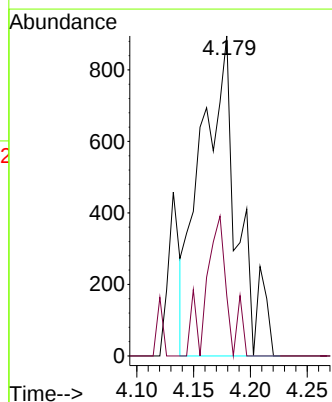
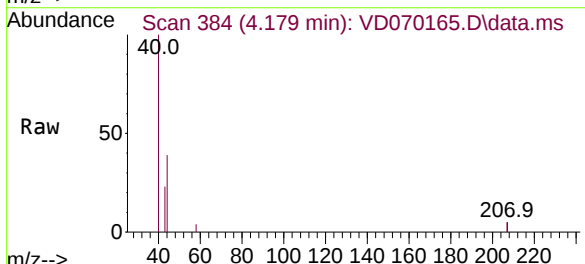
Tgt Ion: 59 Resp: 714
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

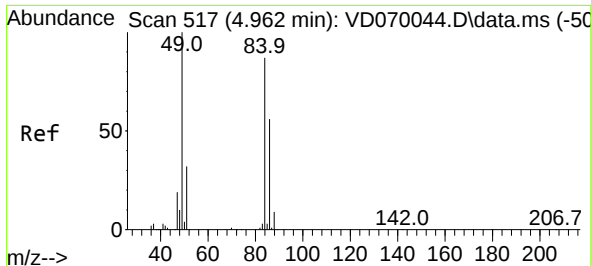


#16

Acetone
Concen: 1.814 ug/l
RT: 4.179 min Scan# 384
Delta R.T. 0.023 min
Lab File: VD070165.D
Acq: 19 Aug 2021 13:54

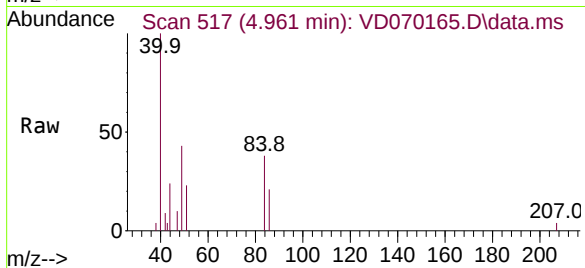
Tgt Ion: 43 Resp: 2009
Ion Ratio Lower Upper
43 100
58 18.9 26.8 40.2#



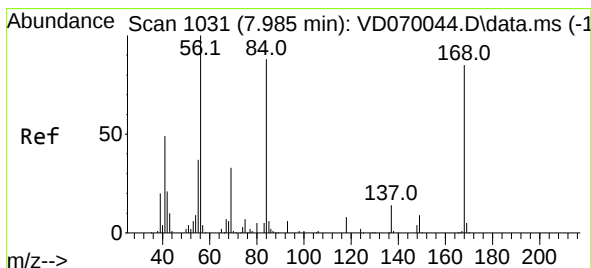
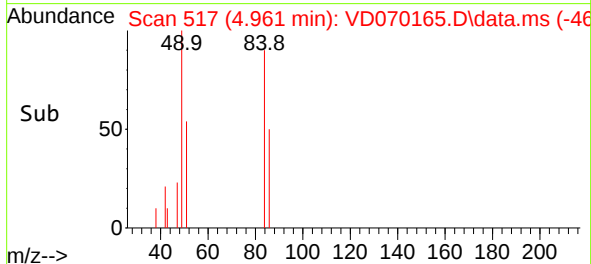
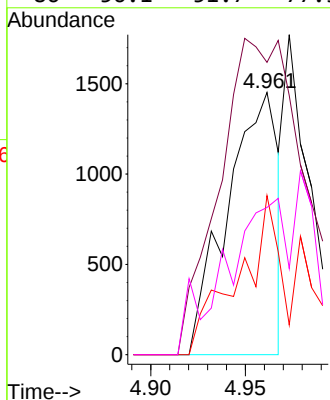


#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD070165.D
Acq: 19 Aug 2021 13:54

Instrument :
MSVOA_D
ClientSampleId :
SWCS-24-0003RE

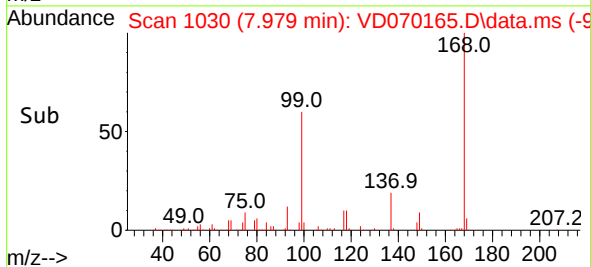
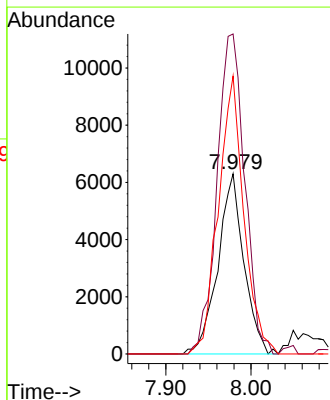
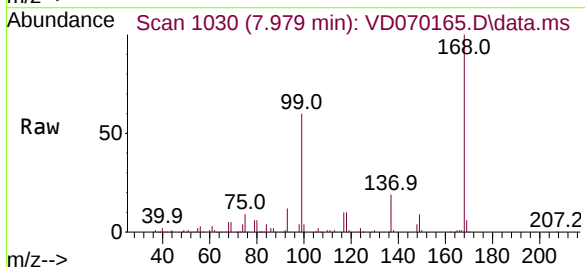


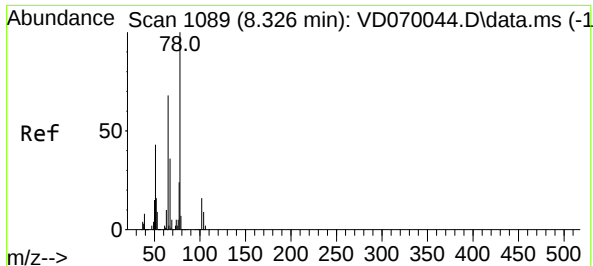
Tgt Ion:	84	Resp:	2709
Ion	Ratio	Lower	Upper
84	100		
49	111.5	92.5	138.7
51	60.7	29.7	44.5#
86	56.1	51.7	77.5



#31
Cyclohexane
Concen: 1.123 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070165.D
Acq: 19 Aug 2021 13:54

Tgt Ion:	56	Resp:	13360
Ion	Ratio	Lower	Upper
56	100		
69	177.7	26.7	40.1#
84	154.3	70.4	105.6#

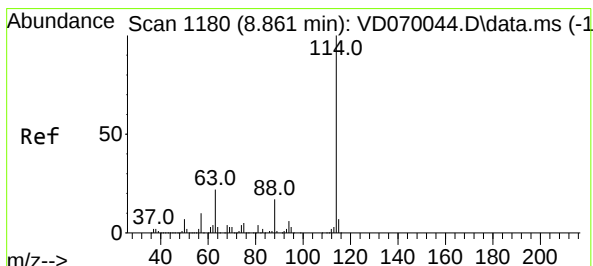
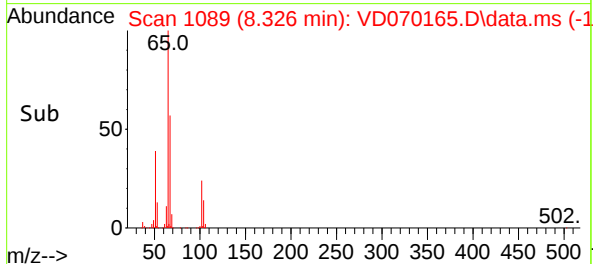
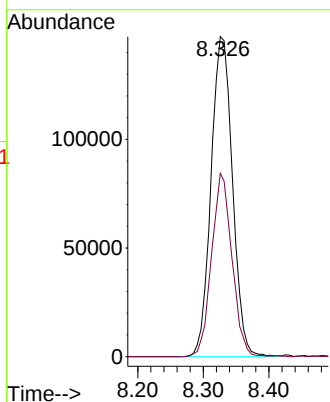
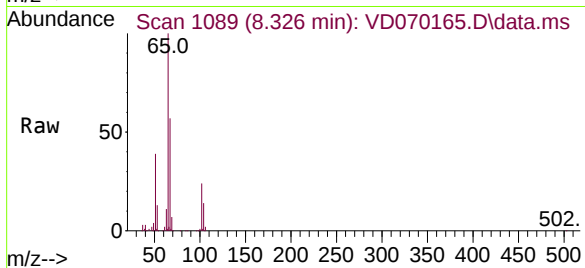




#33
1,2-Dichloroethane-d4
Concen: 55.612 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070165.D
Acq: 19 Aug 2021 13:54

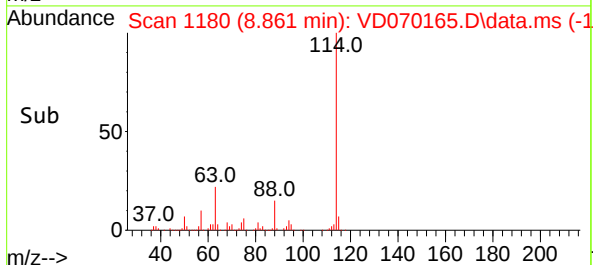
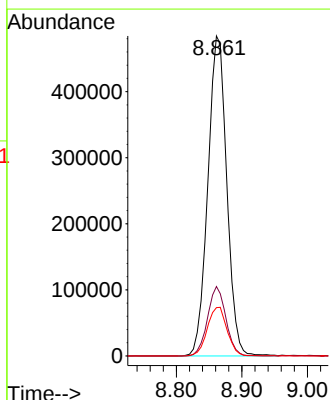
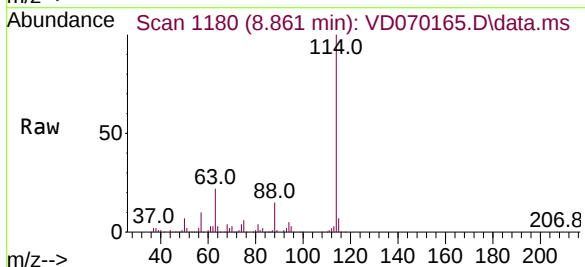
Instrument :
MSVOA_D
ClientSampleId :
SWCS-24-0003RE

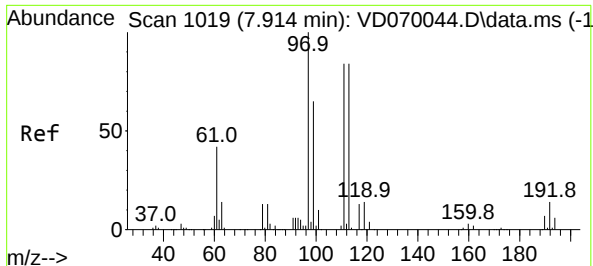
Tgt Ion: 65 Resp: 334255
Ion Ratio Lower Upper
65 100
67 54.4 0.0 107.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070165.D
Acq: 19 Aug 2021 13:54

Tgt Ion: 114 Resp: 971385
Ion Ratio Lower Upper
114 100
63 21.7 0.0 43.6
88 15.1 0.0 33.4





#35

Dibromofluoromethane

Concen: 52.808 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070165.D

Acq: 19 Aug 2021 13:54

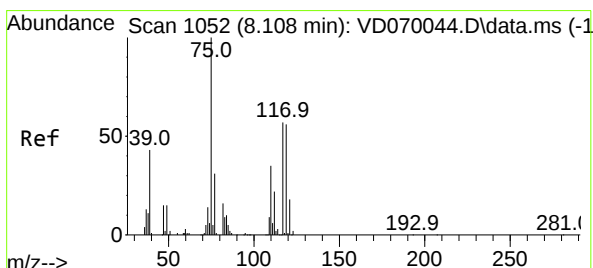
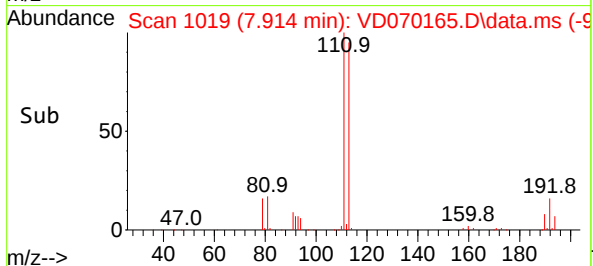
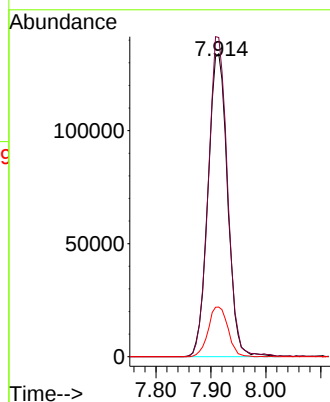
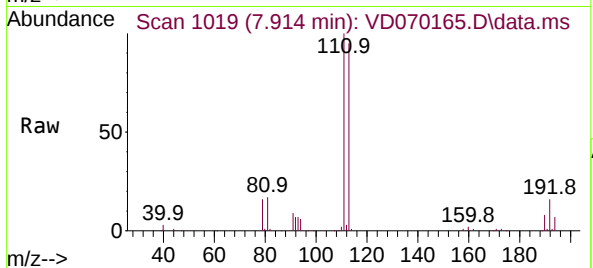
Tgt Ion:113 Resp: 331414

Ion Ratio Lower Upper

113 100

111 103.0 81.8 122.6

192 16.5 13.2 19.8



#36

1,1-Dichloropropene

Concen: 4.380 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.130 min

Lab File: VD070165.D

Acq: 19 Aug 2021 13:54

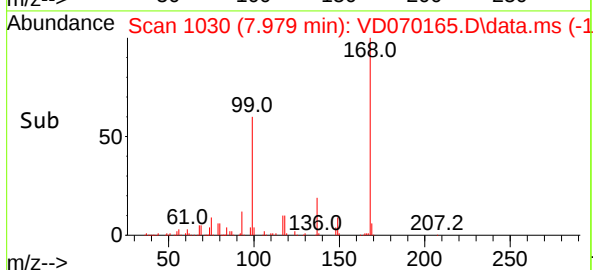
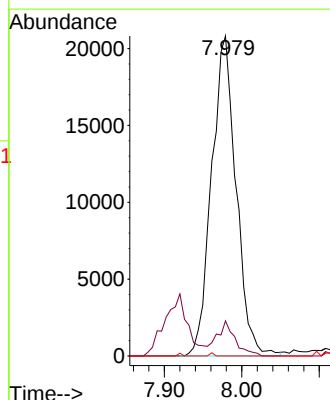
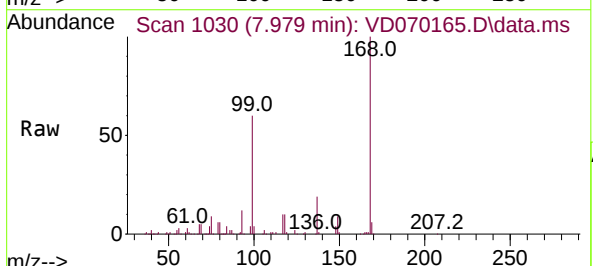
Tgt Ion: 75 Resp: 45768

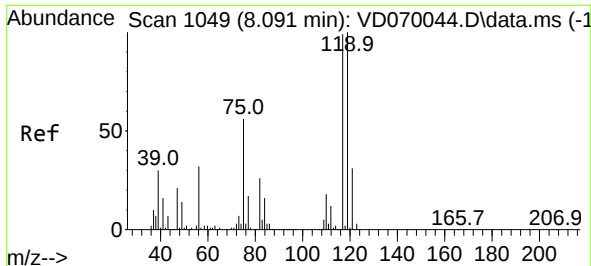
Ion Ratio Lower Upper

75 100

110 8.1 16.9 50.7#

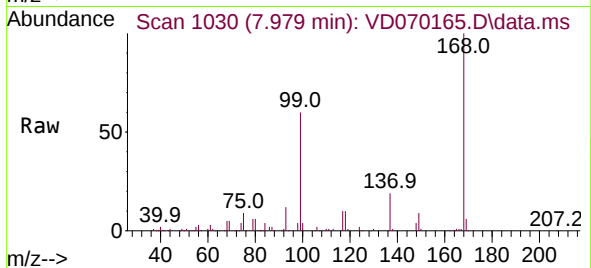
77 0.2 25.2 37.8#



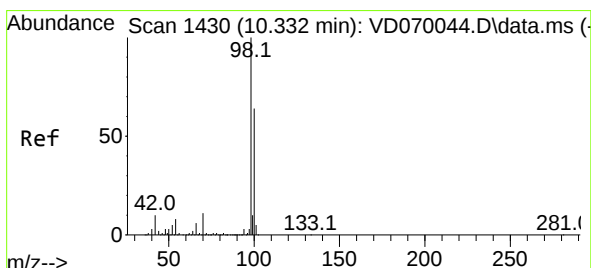
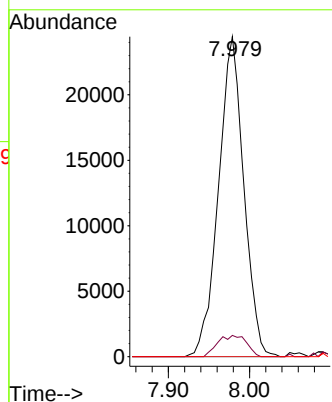
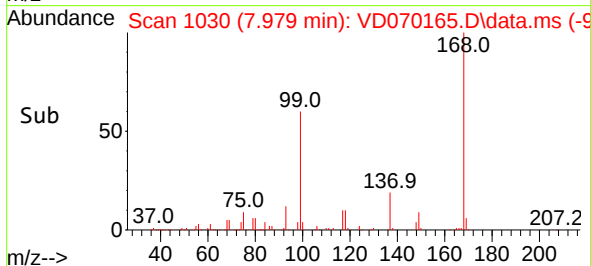


#38
Carbon Tetrachloride
Concen: 5.571 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD070165.D
Acq: 19 Aug 2021 13:54

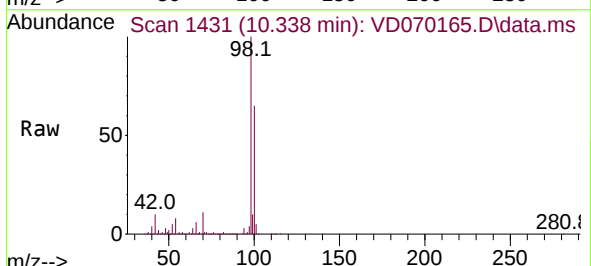
Instrument :
MSVOA_D
ClientSampleId :
SWCS-24-0003RE



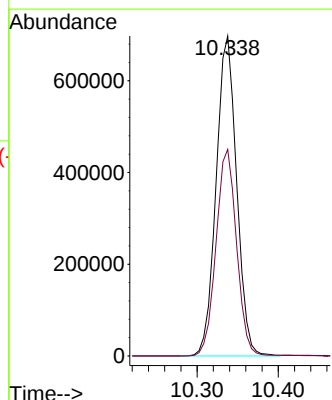
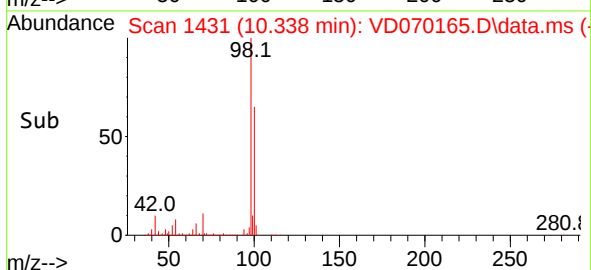
Tgt Ion:117 Resp: 52853
Ion Ratio Lower Upper
117 100
119 6.7 81.0 121.6#
121 0.0 25.0 37.6#

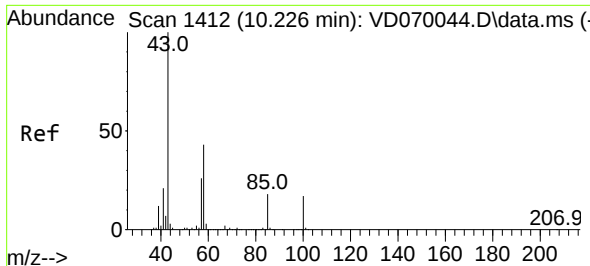


#50
Toluene-d8
Concen: 50.146 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070165.D
Acq: 19 Aug 2021 13:54



Tgt Ion: 98 Resp: 1224031
Ion Ratio Lower Upper
98 100
100 64.7 52.6 78.8

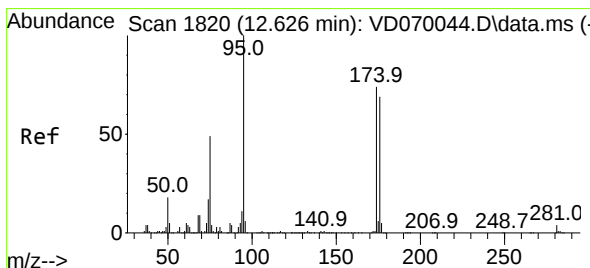
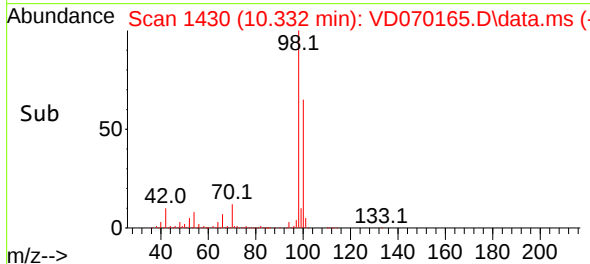
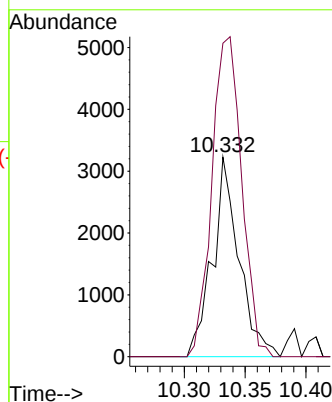
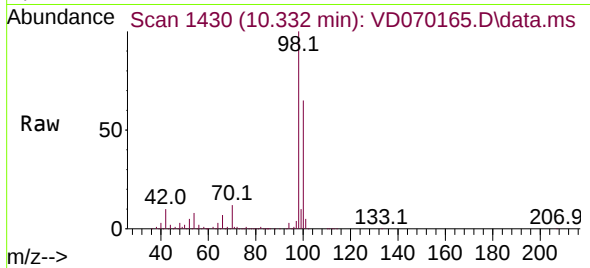




#51
4-Methyl-2-Pentanone
Concen: 1.323 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD070165.D
Acq: 19 Aug 2021 13:54

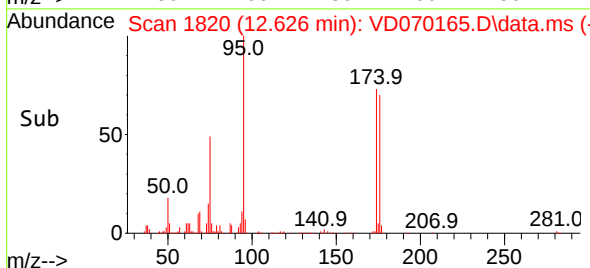
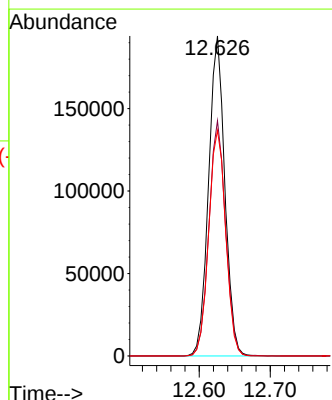
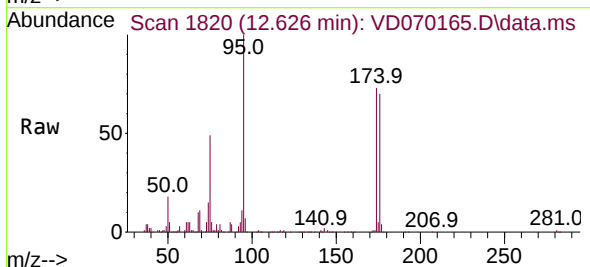
Instrument :
MSVOA_D
ClientSampleId :
SWCS-24-0003RE

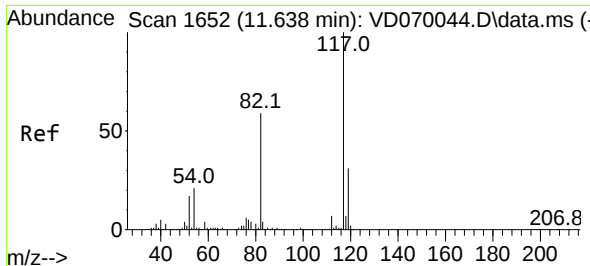
Tgt Ion: 43 Resp: 4874
Ion Ratio Lower Upper
43 100
58 181.1 33.9 50.9#



#62
4-Bromofluorobenzene
Concen: 38.385 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070165.D
Acq: 19 Aug 2021 13:54

Tgt Ion: 95 Resp: 308609
Ion Ratio Lower Upper
95 100
174 75.2 0.0 141.6
176 73.5 0.0 138.2

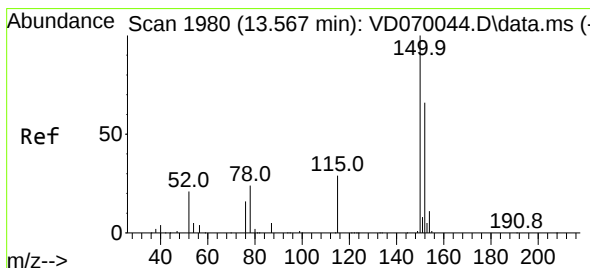
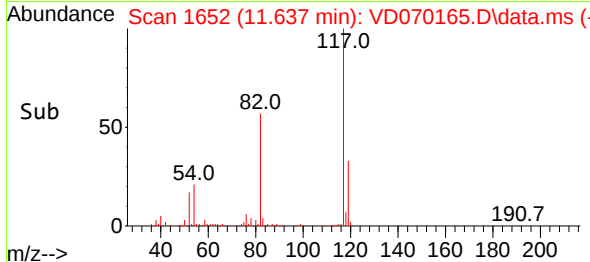
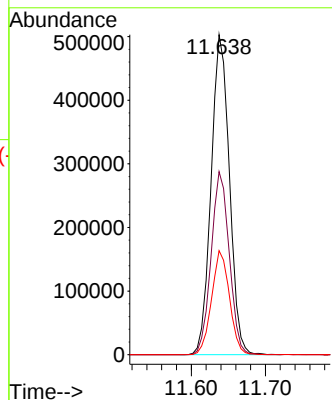
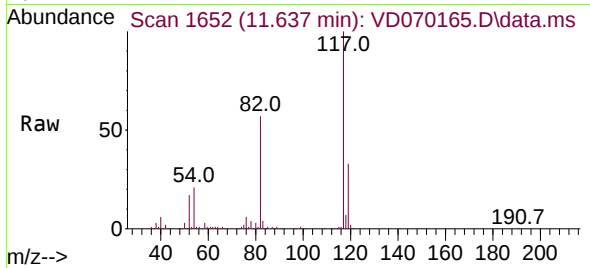




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070165.D
Acq: 19 Aug 2021 13:54

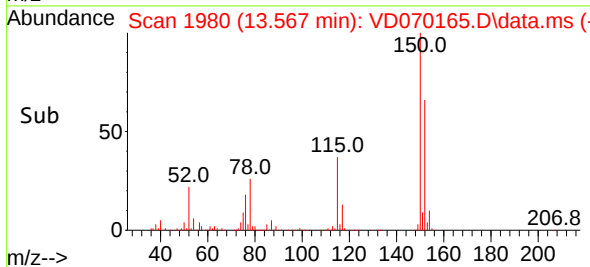
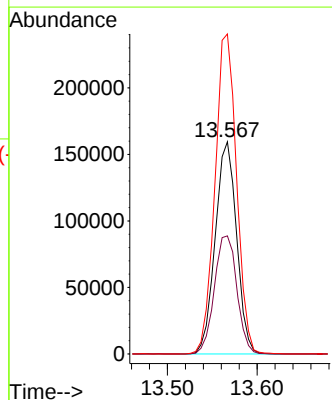
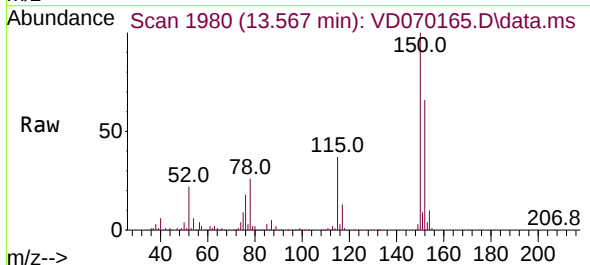
Instrument :
MSVOA_D
ClientSampleId :
SWCS-24-0003RE

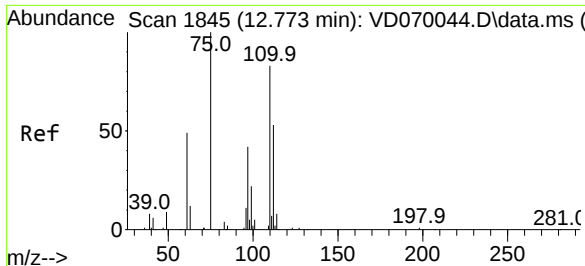
Tgt Ion:	117	Resp:	861444
Ion	Ratio	Lower	Upper
117	100		
82	57.2	47.5	71.3
119	32.5	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070165.D
Acq: 19 Aug 2021 13:54

Tgt Ion:	152	Resp:	263714
Ion	Ratio	Lower	Upper
152	100		
115	58.7	31.2	93.6
150	152.2	0.0	352.0

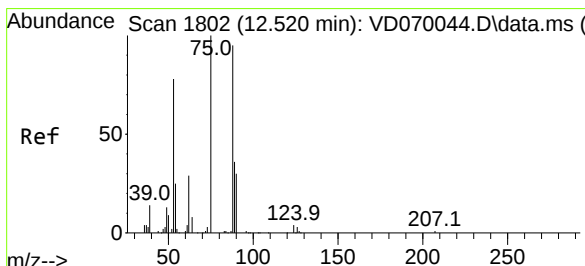
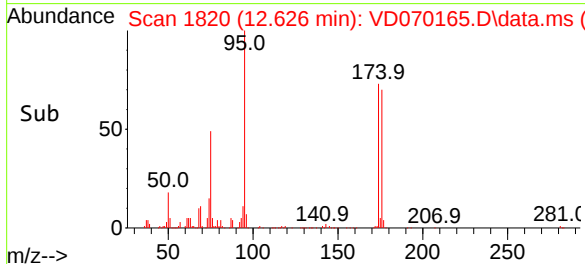
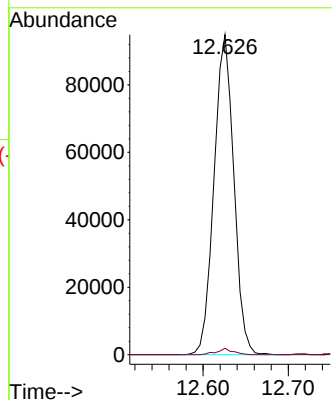
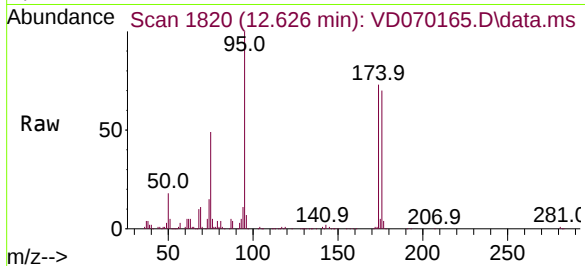




#76
1,2,3-Trichloropropane
Concen: 57.323 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070165.D
Acq: 19 Aug 2021 13:54

Instrument :
MSVOA_D
ClientSampleId :
SWCS-24-0003RE

Tgt Ion: 75 Resp: 153307
Ion Ratio Lower Upper
75 100
77 1.6 182.4 547.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 148.790 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070165.D
Acq: 19 Aug 2021 13:54

Tgt Ion: 75 Resp: 153307
Ion Ratio Lower Upper
75 100
53 0.5 64.5 96.7#
89 0.0 33.7 50.5#

