

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081921\
 Data File : VD070185.D
 Acq On : 20 Aug 2021 01:21
 Operator : VA/SY
 Sample : M3418-21
 Misc : 3.58G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 20 05:50:16 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)

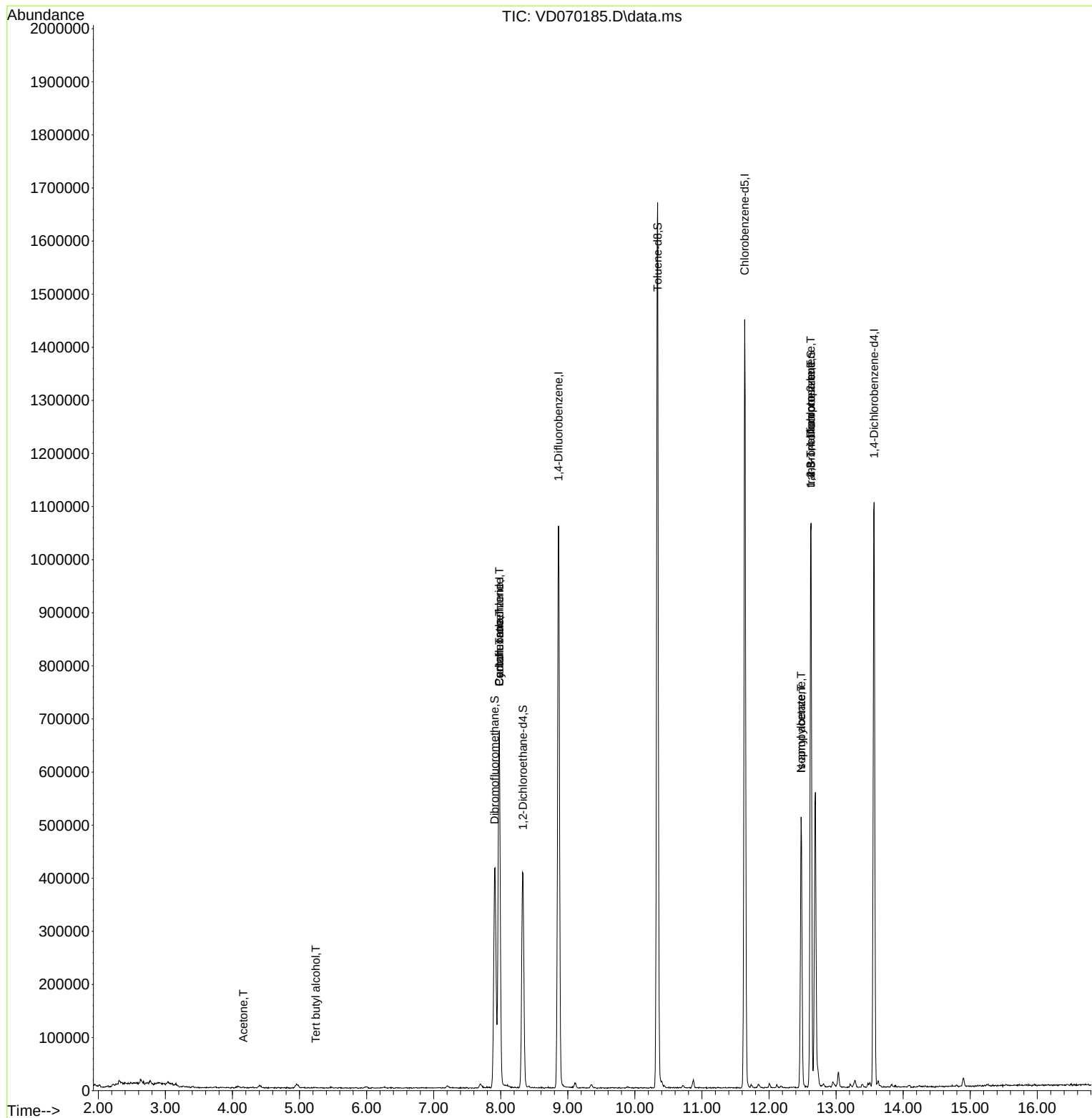
Internal Standards						
1) Pentafluorobenzene	7.979	168	472315	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	911963	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	835029	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	294403	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	329532	59.320	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.640%			
35) Dibromofluoromethane	7.909	113	311012	52.787	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.580%			
50) Toluene-d8	10.338	98	1157256	50.500	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.000%			
62) 4-Bromofluorobenzene	12.626	95	371544	49.224	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 98.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	1062	Below Cal		81
3) Chloromethane	2.209	50	2010	Below Cal	#	87
5) Bromomethane	2.785	94	3331	Below Cal	#	52
11) Tert butyl alcohol	5.244	59	695	2.263 ug/l	#	71
16) Acetone	4.162	43	1592	1.556 ug/l	#	78
20) Methylene Chloride	4.956	84	2708	Below Cal	#	82
31) Cyclohexane	7.979	56	13439	1.222 ug/l	#	1
38) Carbon Tetrachloride	7.979	117	51264	5.756 ug/l	#	16
73) Isopropylbenzene	12.479	105	25566	1.191 ug/l		81
74) N-amyl acetate	12.479	43	11574	2.500 ug/l	#	27
76) 1,2,3-Trichloropropane	12.620	75	186613	62.503 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.620	75	186613	162.236 ug/l	#	17

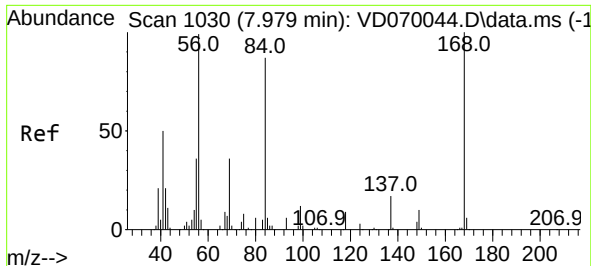
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 20 05:50:16 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

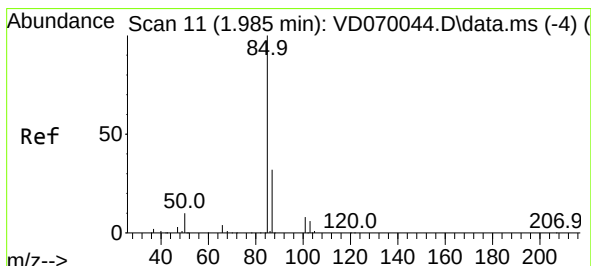
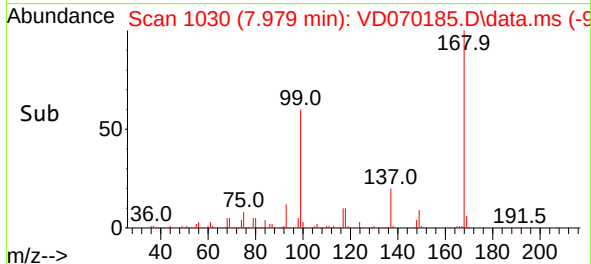
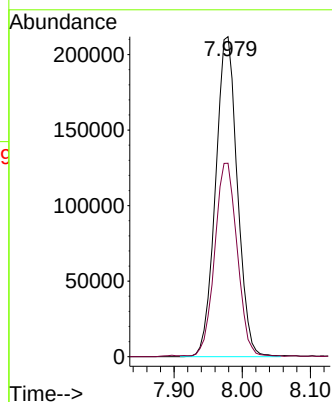
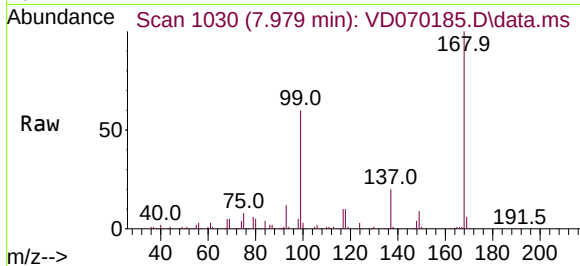




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070185.D
Acq: 20 Aug 2021 01:21

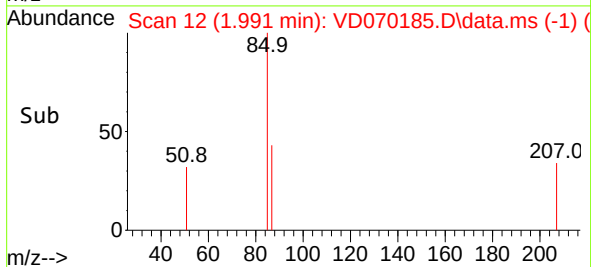
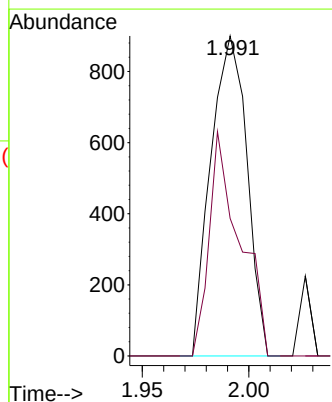
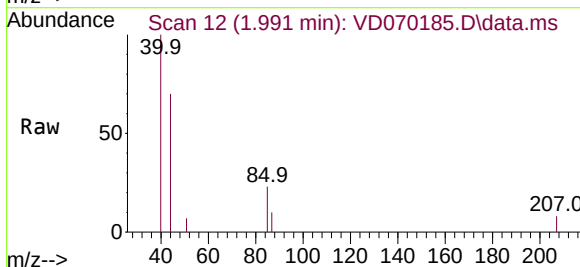
Instrument :
MSVOA_D
ClientSampleId :

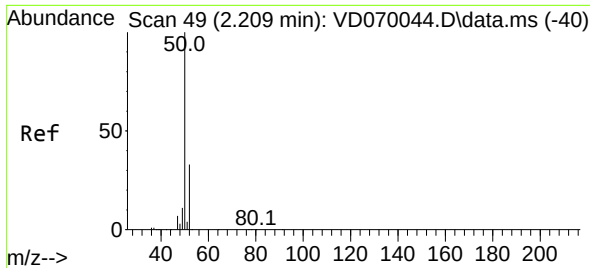
Tgt Ion:168 Resp: 472315
Ion Ratio Lower Upper
168 100
99 60.2 50.3 75.5



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD070185.D
Acq: 20 Aug 2021 01:21

Tgt Ion: 85 Resp: 1062
Ion Ratio Lower Upper
85 100
87 43.0 16.2 48.6

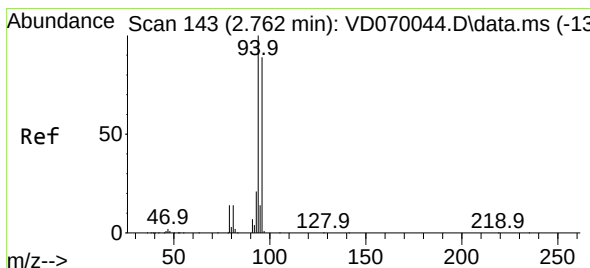
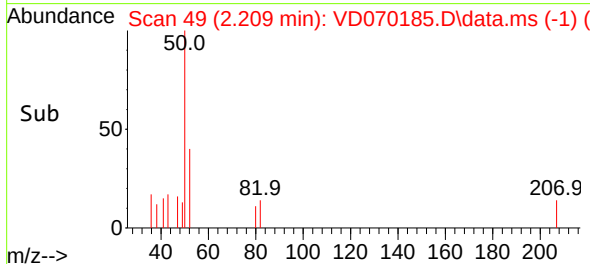
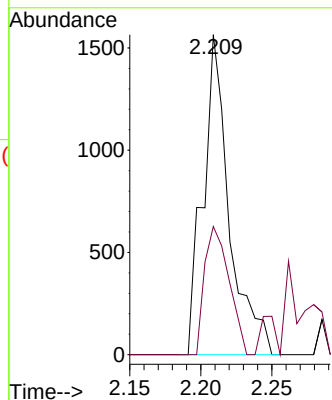
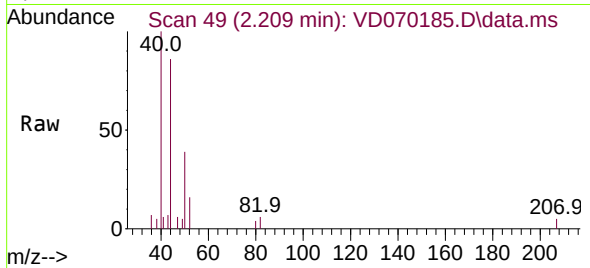




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070185.D
Acq: 20 Aug 2021 01:21

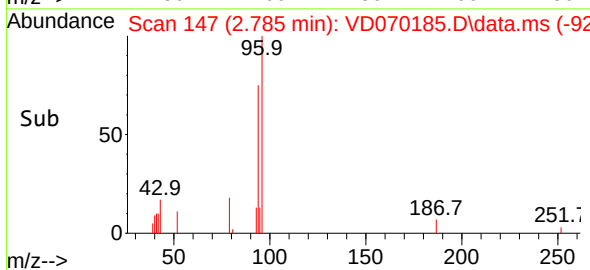
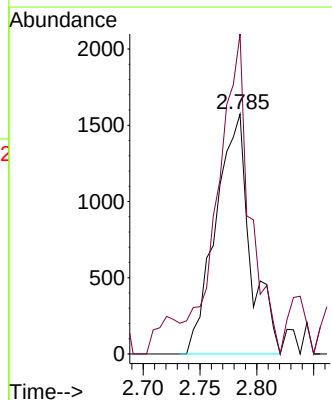
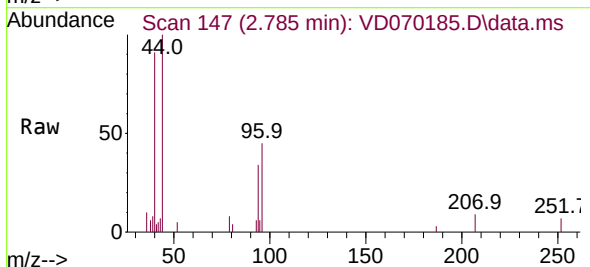
Instrument :
MSVOA_D
ClientSampled :

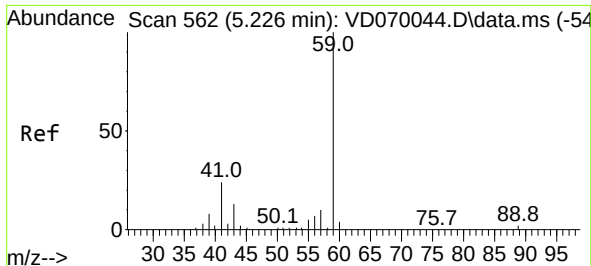
Tgt Ion: 50 Resp: 2010
Ion Ratio Lower Upper
50 100
52 40.1 26.3 39.5#



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD070185.D
Acq: 20 Aug 2021 01:21

Tgt Ion: 94 Resp: 3331
Ion Ratio Lower Upper
94 100
96 133.4 70.9 106.3#



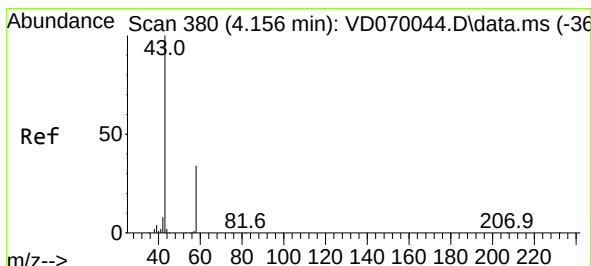
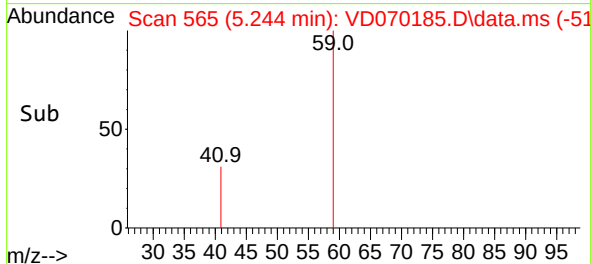
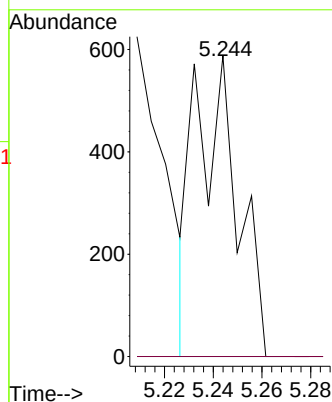
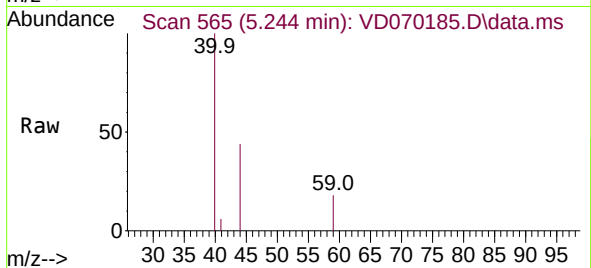


#11

Tert butyl alcohol
Concen: 2.263 ug/l
RT: 5.244 min Scan# 565
Delta R.T. 0.018 min
Lab File: VD070185.D
Acq: 20 Aug 2021 01:21

Instrument :
MSVOA_D
ClientSampled :

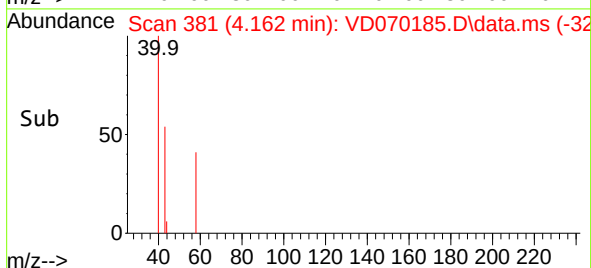
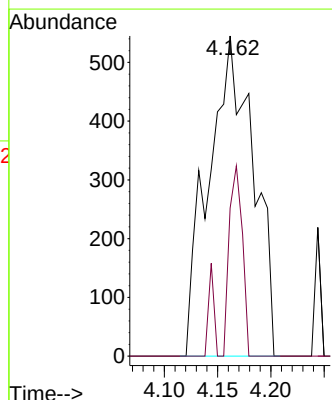
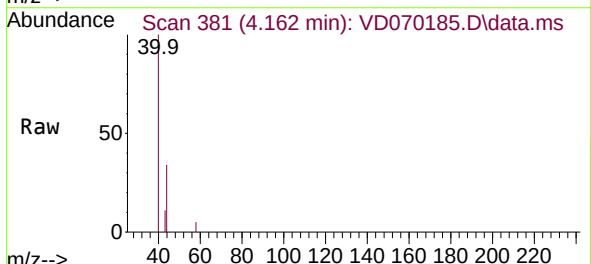
Tgt Ion: 59 Resp: 695
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

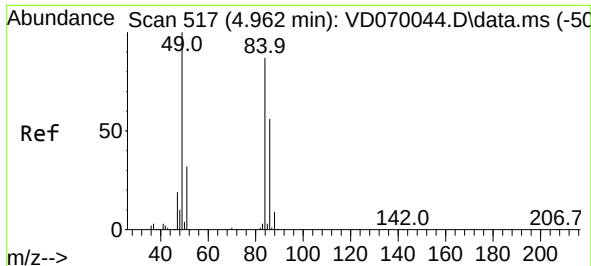


#16

Acetone
Concen: 1.556 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070185.D
Acq: 20 Aug 2021 01:21

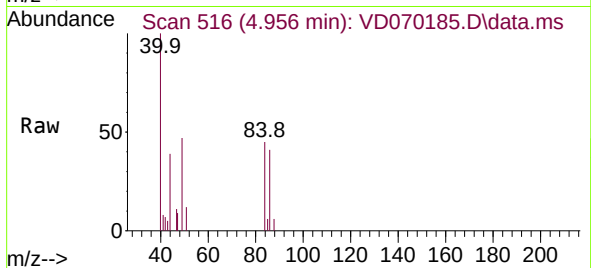
Tgt Ion: 43 Resp: 1592
Ion Ratio Lower Upper
43 100
58 46.2 26.8 40.2#



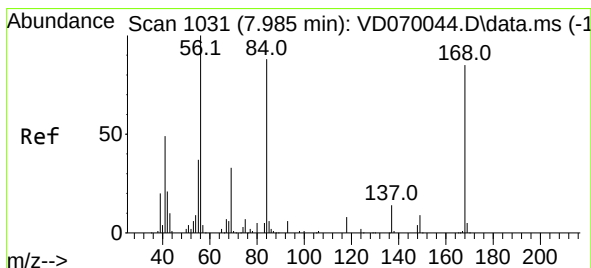
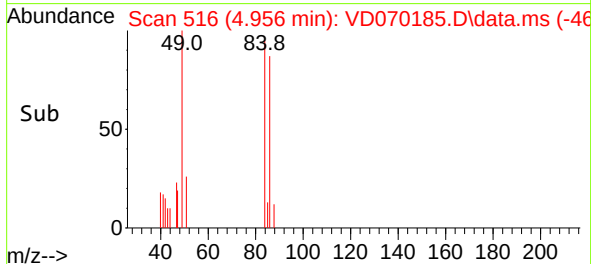
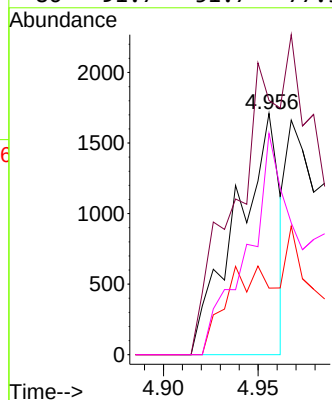


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD070185.D
Acq: 20 Aug 2021 01:21

Instrument :
MSVOA_D
ClientSampled :

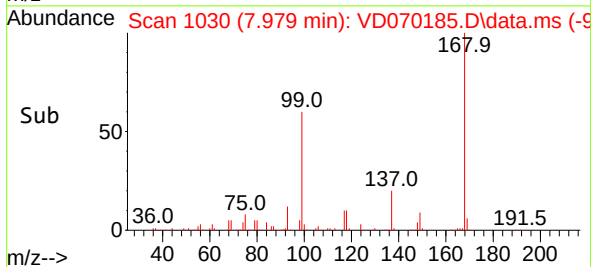
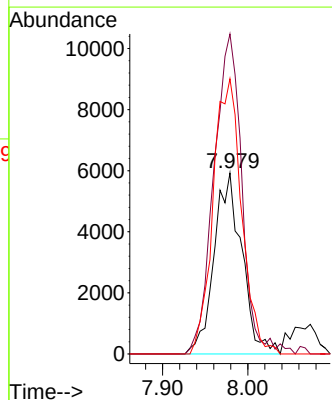
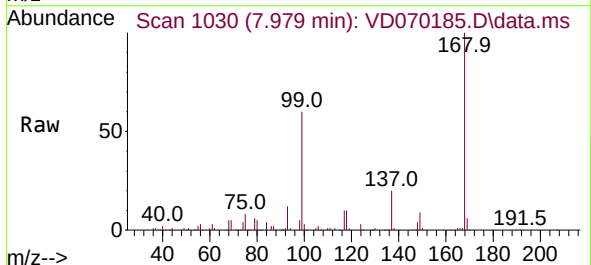


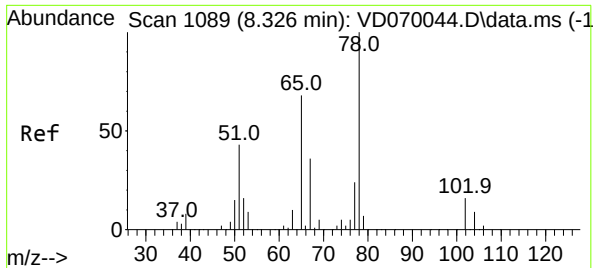
Tgt Ion: 84 Resp: 2708
Ion Ratio Lower Upper
84 100
49 105.4 92.5 138.7
51 27.6 29.7 44.5#
86 91.7 51.7 77.5#



#31
Cyclohexane
Concen: 1.222 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070185.D
Acq: 20 Aug 2021 01:21

Tgt Ion: 56 Resp: 13439
Ion Ratio Lower Upper
56 100
69 176.9 26.7 40.1#
84 152.2 70.4 105.6#

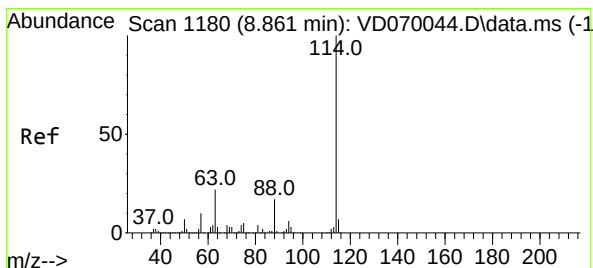
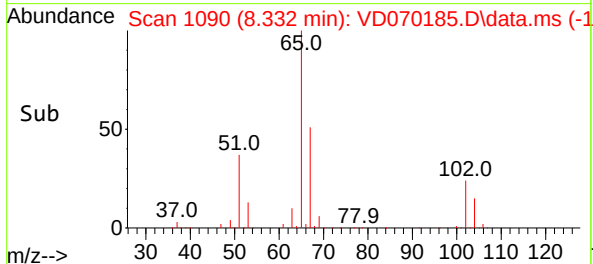
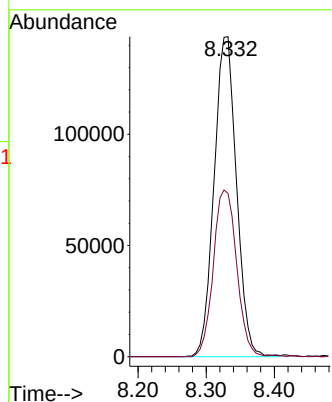
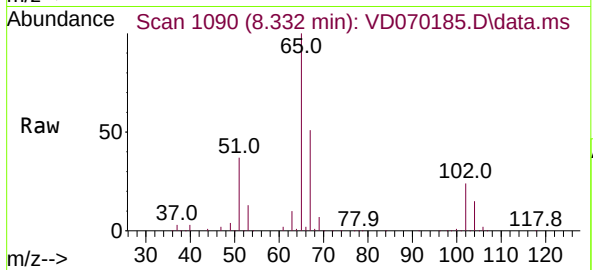




#33
1,2-Dichloroethane-d4
Concen: 59.320 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070185.D
Acq: 20 Aug 2021 01:21

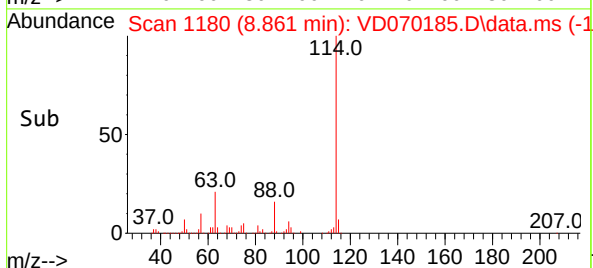
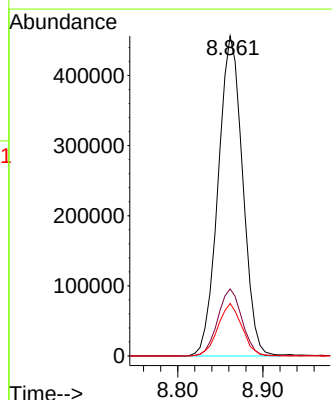
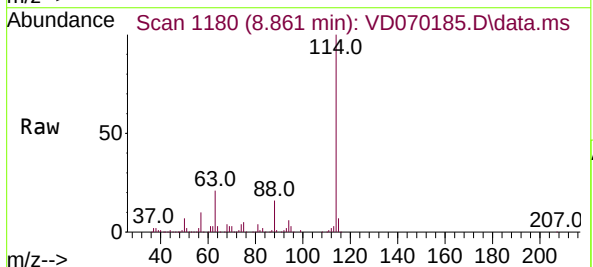
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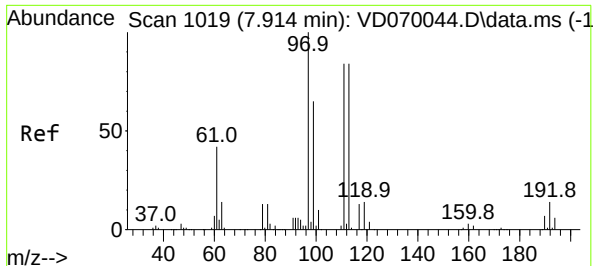
Tgt Ion: 65 Resp: 329532
Ion Ratio Lower Upper
65 100
67 54.1 0.0 107.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070185.D
Acq: 20 Aug 2021 01:21

Tgt Ion:114 Resp: 911963
Ion Ratio Lower Upper
114 100
63 21.0 0.0 43.6
88 16.4 0.0 33.4





#35

Dibromofluoromethane

Concen: 52.787 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070185.D

Acq: 20 Aug 2021 01:21

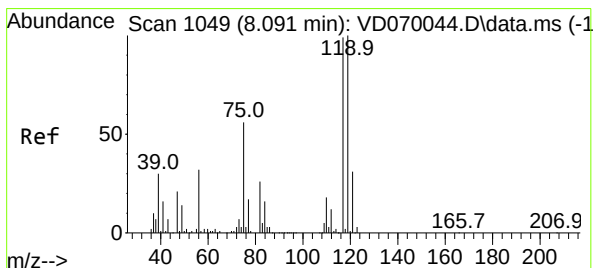
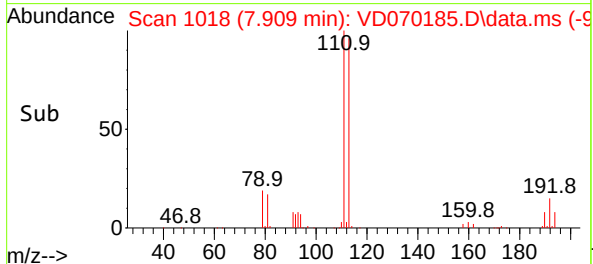
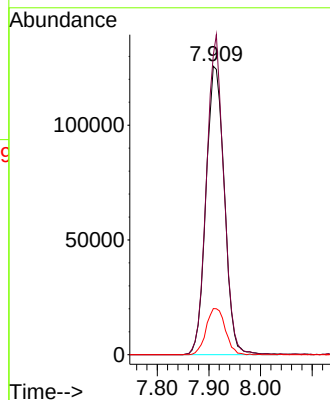
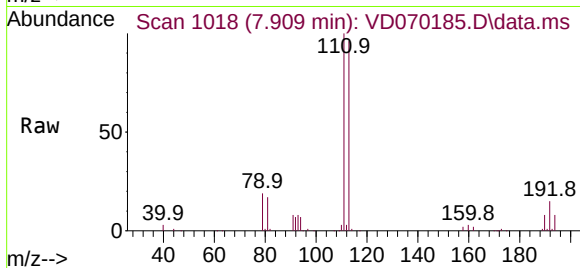
Tgt Ion:113 Resp: 311012

Ion Ratio Lower Upper

113 100

111 103.9 81.8 122.6

192 16.6 13.2 19.8



#38

Carbon Tetrachloride

Concen: 5.756 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.112 min

Lab File: VD070185.D

Acq: 20 Aug 2021 01:21

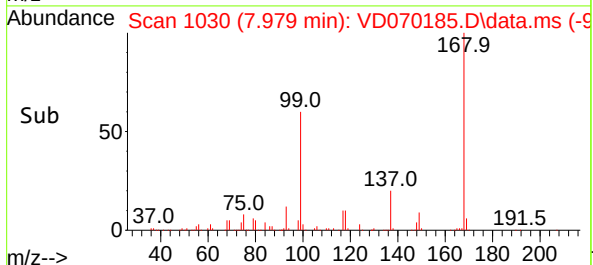
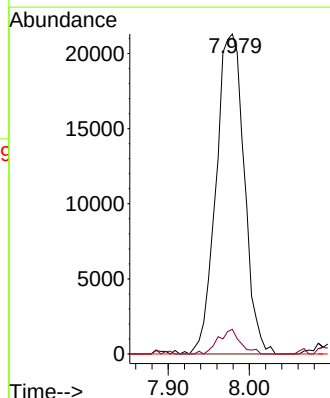
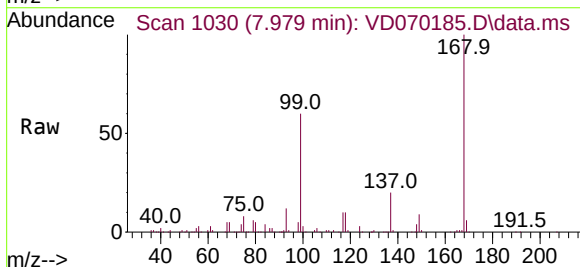
Tgt Ion:117 Resp: 51264

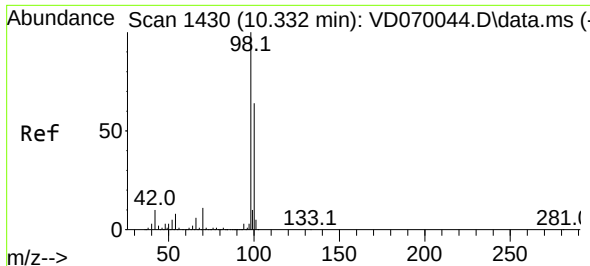
Ion Ratio Lower Upper

117 100

119 7.7 81.0 121.6#

121 0.0 25.0 37.6#

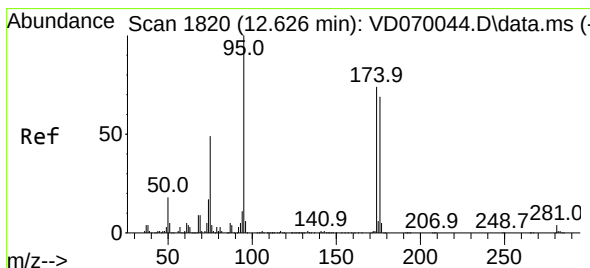
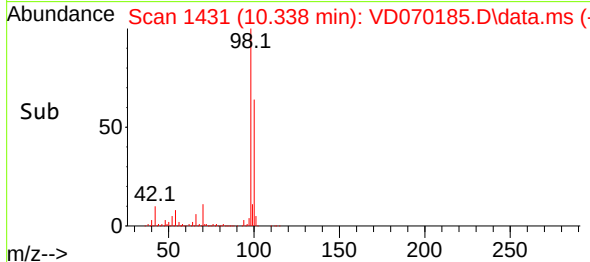
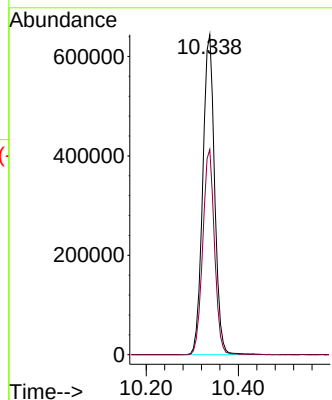
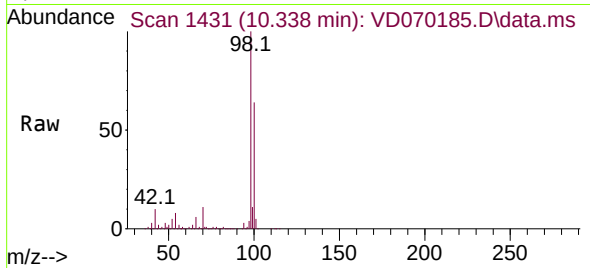




#50
Toluene-d8
Concen: 50.500 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070185.D
Acq: 20 Aug 2021 01:21

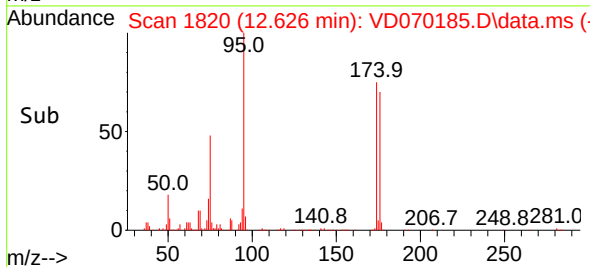
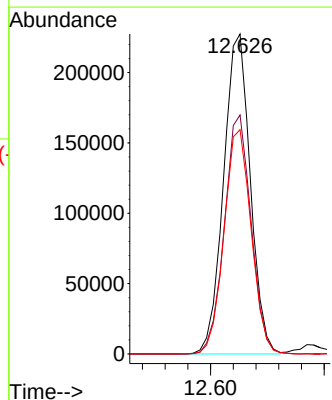
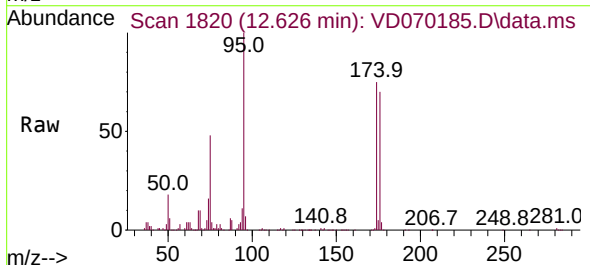
Instrument :
MSVOA_D
ClientSampleId :

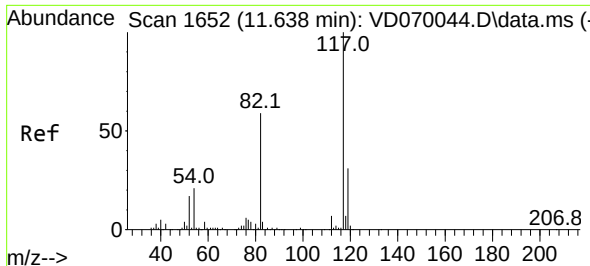
Tgt Ion: 98 Resp: 1157256
Ion Ratio Lower Upper
98 100
100 63.6 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 49.224 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070185.D
Acq: 20 Aug 2021 01:21

Tgt Ion: 95 Resp: 371544
Ion Ratio Lower Upper
95 100
174 74.6 0.0 141.6
176 71.0 0.0 138.2

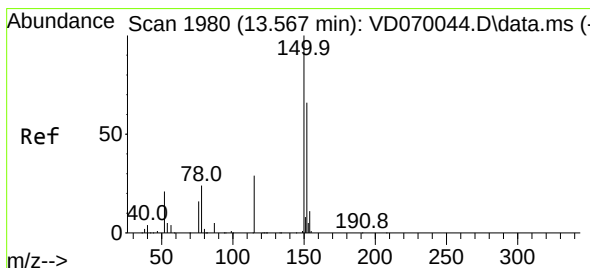
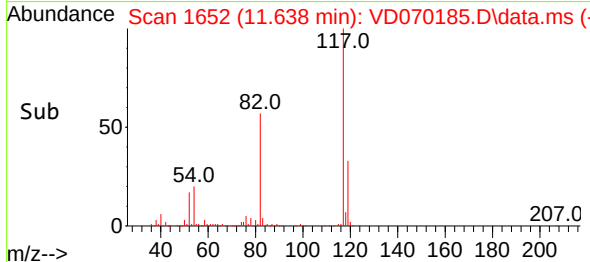
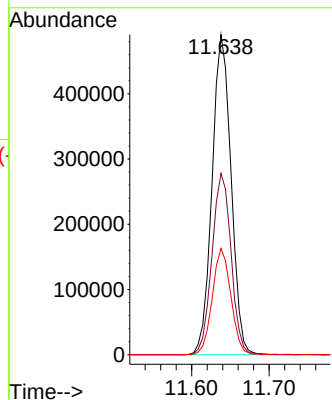
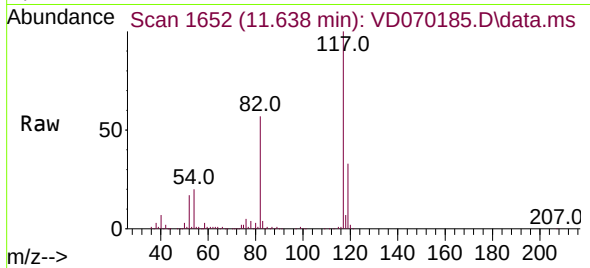




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070185.D
Acq: 20 Aug 2021 01:21

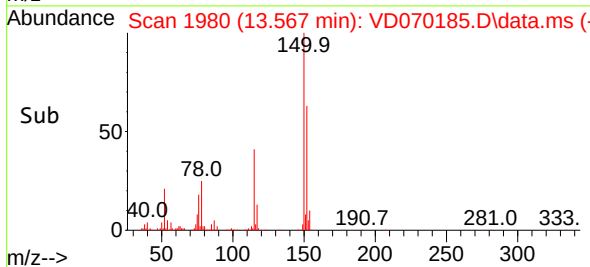
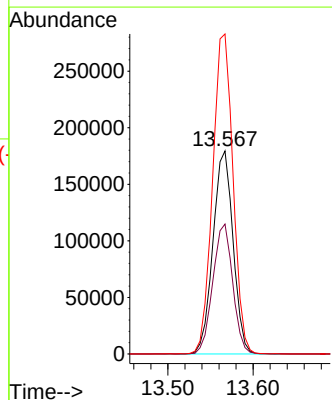
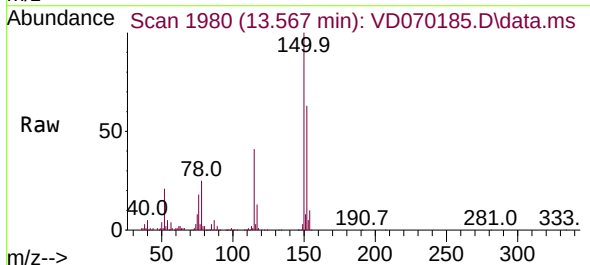
Instrument :
MSVOA_D
ClientSampleId :

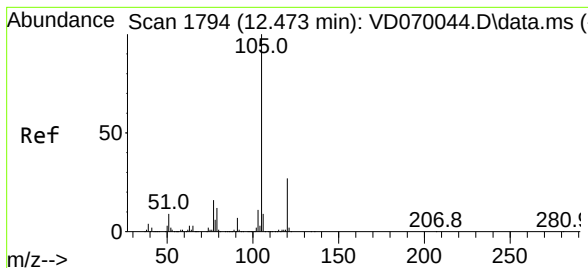
Tgt Ion:117 Resp: 835029
Ion Ratio Lower Upper
117 100
82 56.6 47.5 71.3
119 33.2 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD070185.D
Acq: 20 Aug 2021 01:21

Tgt Ion:152 Resp: 294403
Ion Ratio Lower Upper
152 100
115 63.3 31.2 93.6
150 159.5 0.0 352.0

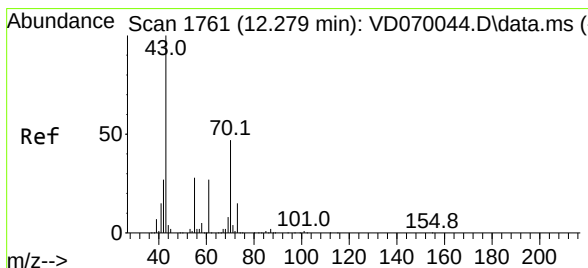
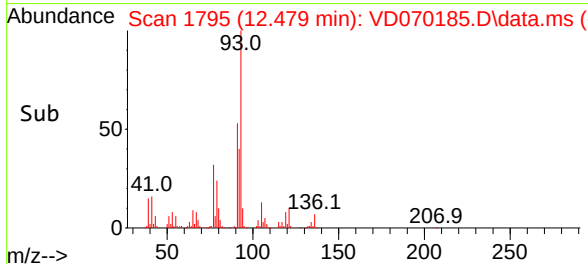
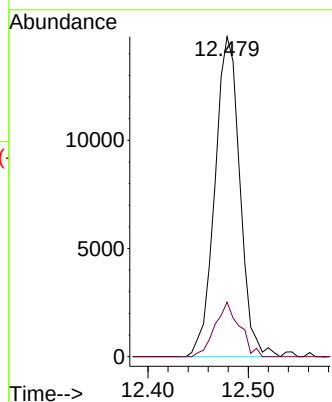
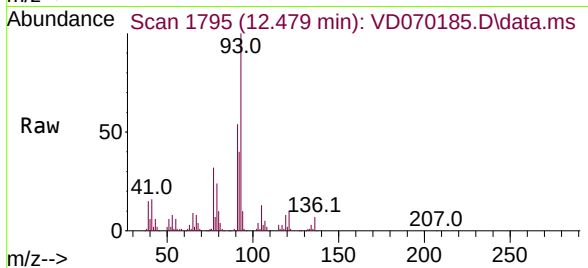




#73
Isopropylbenzene
Concen: 1.191 ug/l
RT: 12.479 min Scan# 1795
Delta R.T. 0.006 min
Lab File: VD070185.D
Acq: 20 Aug 2021 01:21

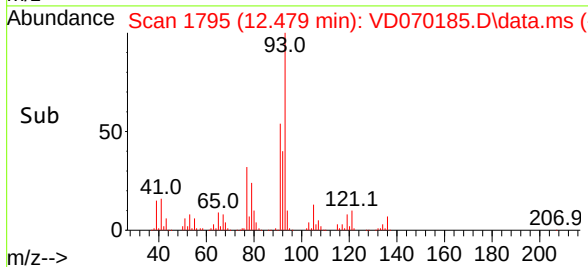
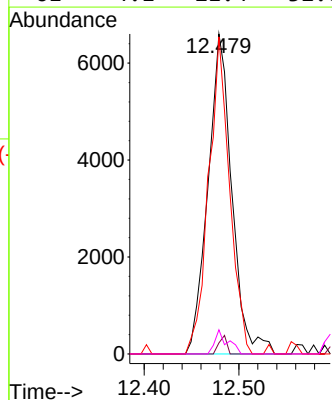
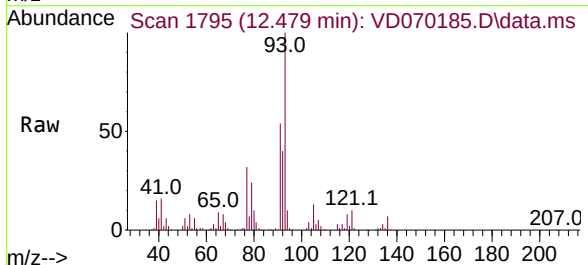
Instrument :
MSVOA_D
ClientSampled :

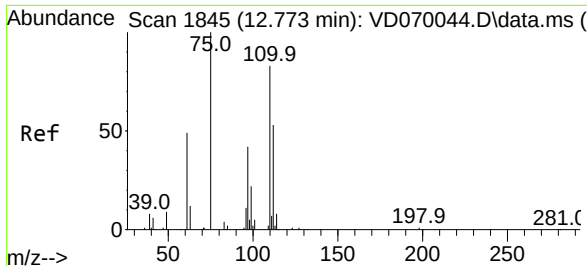
Tgt Ion:105 Resp: 25566
Ion Ratio Lower Upper
105 100
120 16.9 13.3 39.8



#74
N-ethyl acetate
Concen: 2.500 ug/l
RT: 12.479 min Scan# 1795
Delta R.T. 0.200 min
Lab File: VD070185.D
Acq: 20 Aug 2021 01:21

Tgt Ion: 43 Resp: 11574
Ion Ratio Lower Upper
43 100
70 1.9 37.2 55.8#
55 86.7 22.9 34.3#
61 4.1 21.4 32.0#

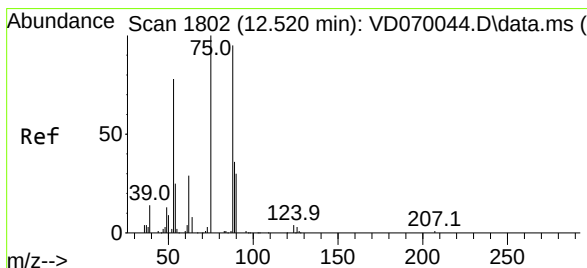
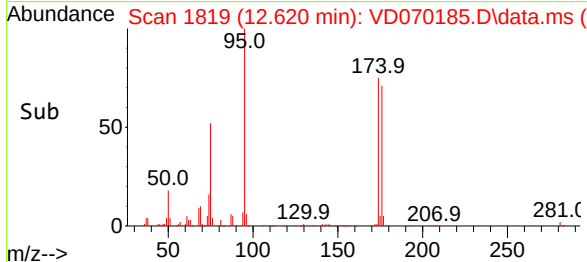
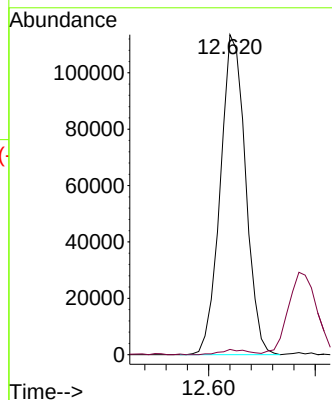
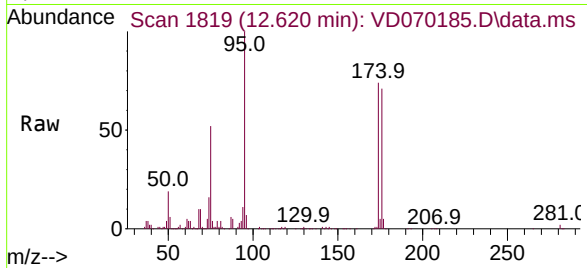




#76
1,2,3-Trichloropropane
Concen: 62.503 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070185.D
Acq: 20 Aug 2021 01:21

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 186613
Ion Ratio Lower Upper
75 100
77 1.8 182.4 547.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 162.236 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070185.D
Acq: 20 Aug 2021 01:21

Tgt Ion: 75 Resp: 186613
Ion Ratio Lower Upper
75 100
53 0.0 64.5 96.7#
89 0.0 33.7 50.5#

