

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091321\
 Data File : VD070334.D
 Acq On : 13 Sep 2021 18:50
 Operator : VA/SY
 Sample : M3687-23
 Misc : 5.70G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A010015

Quant Time: Sep 14 00:56:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

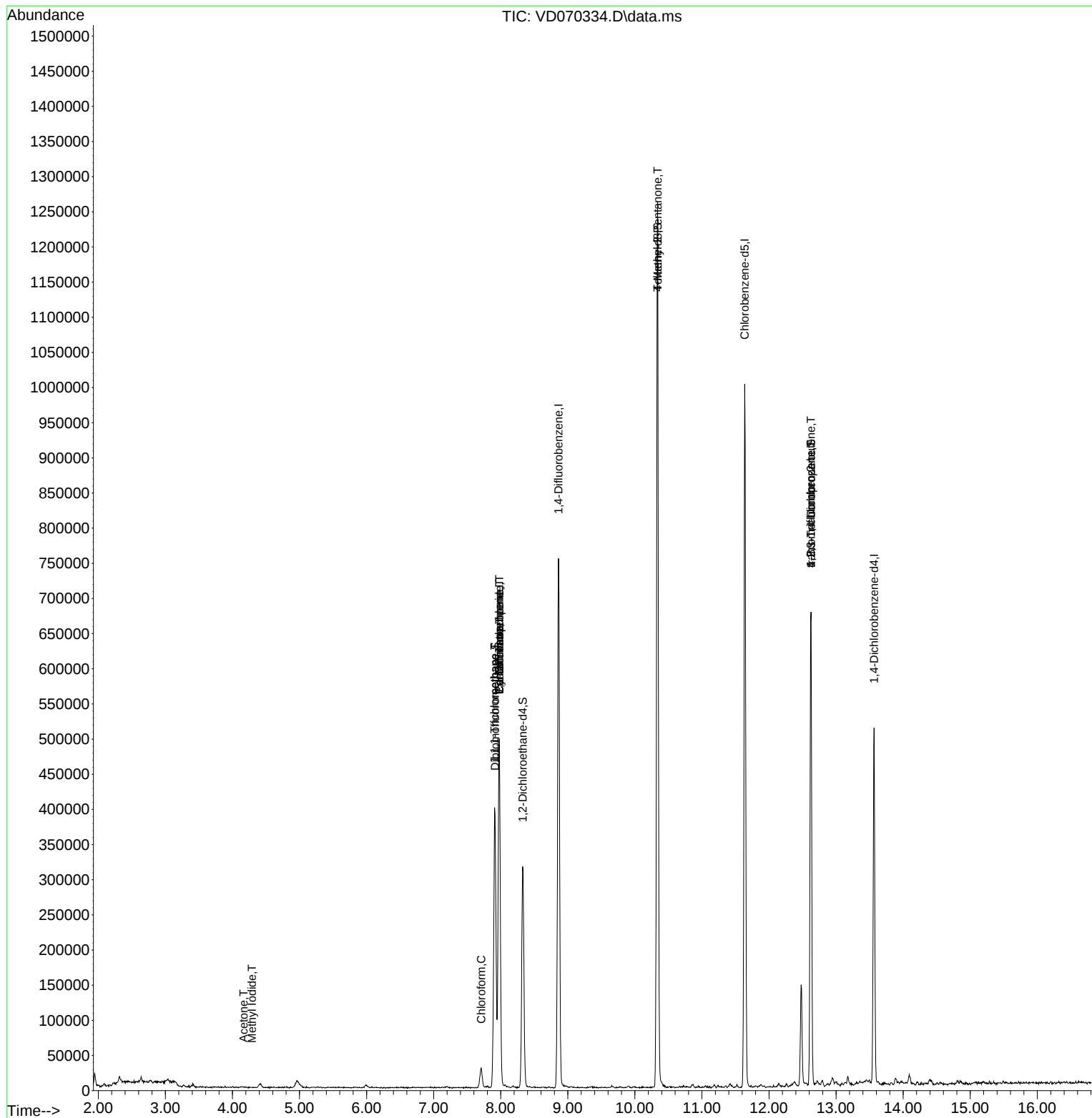
Internal Standards						
1) Pentafluorobenzene	7.979	168	349053	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	651286	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	575830	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	133175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	255189	56.937	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.880%	
35) Dibromofluoromethane	7.914	113	273160	58.922	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 117.840%	
50) Toluene-d8	10.338	98	874176	51.935	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.880%	
62) 4-Bromofluorobenzene	12.626	95	197385	33.554	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 67.100%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	125	Below Cal	#	43
3) Chloromethane	2.203	50	610	Below Cal		98
5) Bromomethane	2.768	94	2085	Below Cal		98
6) Chloroethane	2.968	64	61	Below Cal	#	43
10) Methyl Iodide	4.291	142	205	1.075	ug/l #	69
16) Acetone	4.167	43	909	1.136	ug/l #	36
18) Methyl Acetate	4.567	43	67	Below Cal	#	48
20) Methylene Chloride	4.962	84	8112	Below Cal	#	66
30) Chloroform	7.708	83	23589	2.544	ug/l	96
31) Cyclohexane	7.979	56	8537	1.106	ug/l #	1
32) 1,1,1-Trichloroethane	7.908	97	25696	3.293	ug/l	97
36) 1,1-Dichloropropene	7.979	75	31032	4.458	ug/l #	48
38) Carbon Tetrachloride	7.979	117	39325	5.712	ug/l #	18
51) 4-Methyl-2-Pentanone	10.338	43	3688	1.481	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	99398	73.788	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	99398	184.882	ug/l #	18

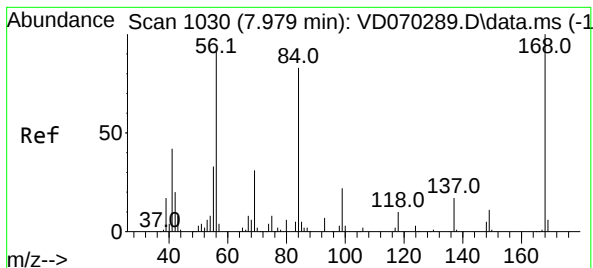
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD070334.D

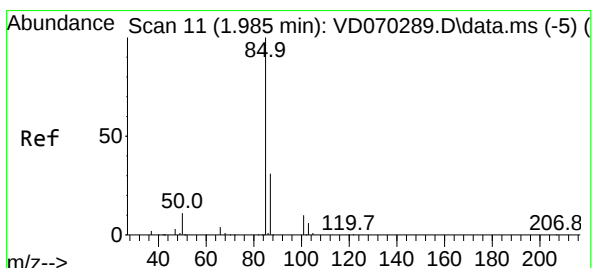
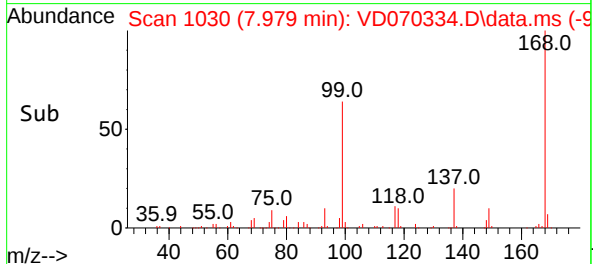
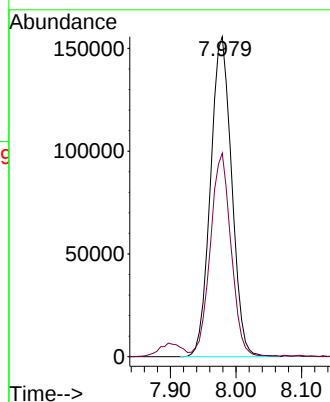
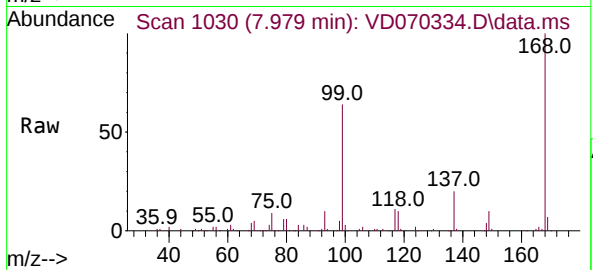
Acq: 13 Sep 2021 18:50

Tgt Ion:168 Resp: 349053

Ion Ratio Lower Upper

168 100

99 63.4 50.8 76.2



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.985 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD070334.D

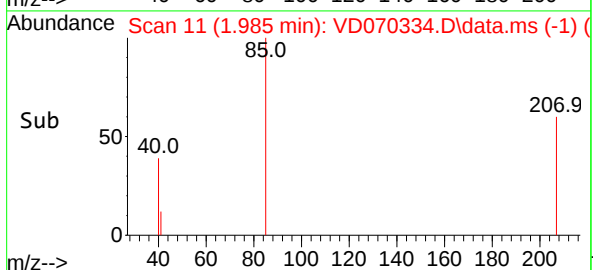
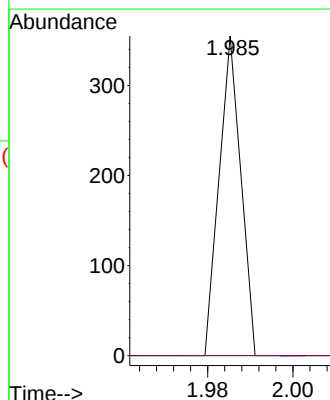
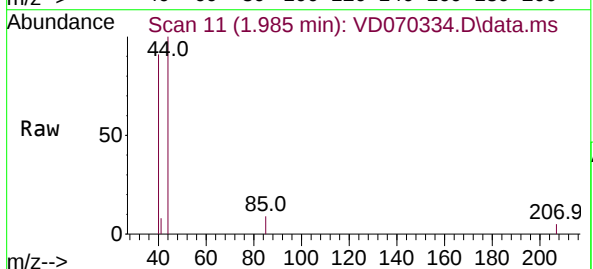
Acq: 13 Sep 2021 18:50

Tgt Ion: 85 Resp: 125

Ion Ratio Lower Upper

85 100

87 0.0 15.6 46.8#

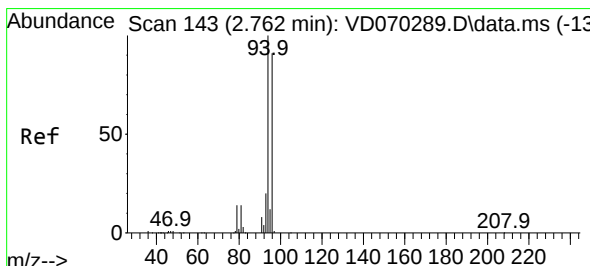
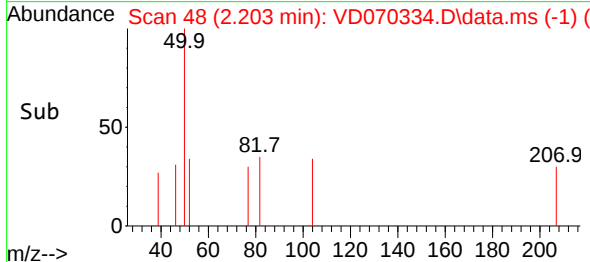
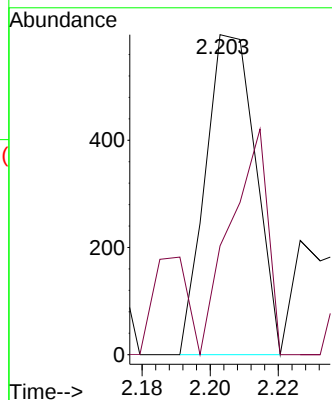
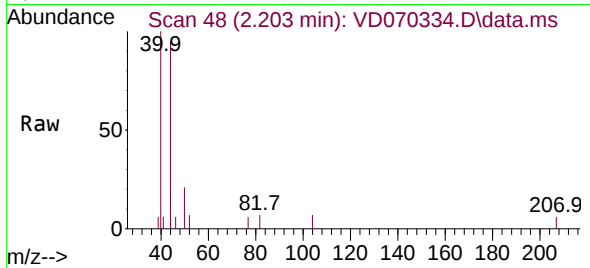




#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD070334.D
Acq: 13 Sep 2021 18:50

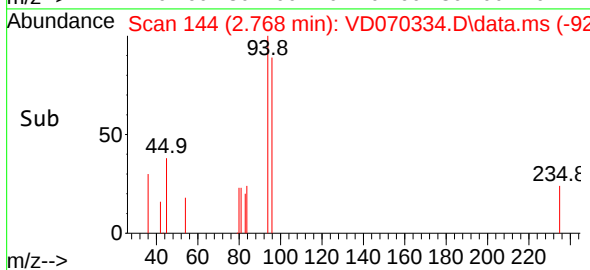
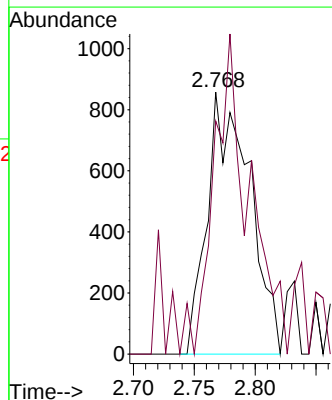
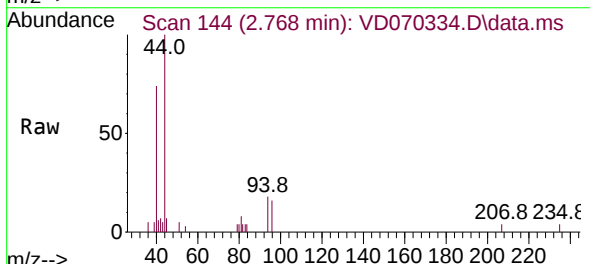
Instrument :
MSVOA_D
ClientSampleId :
A010015

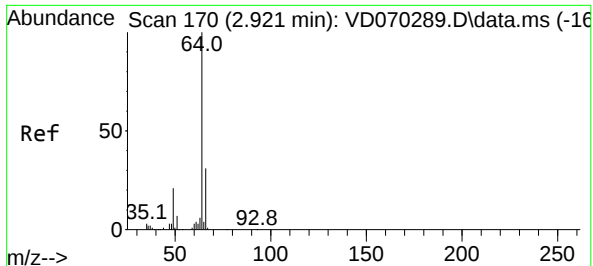
Tgt Ion: 50 Resp: 610
Ion Ratio Lower Upper
50 100
52 34.0 26.2 39.2



#5
Bromomethane
Concen: Below Cal
RT: 2.768 min Scan# 144
Delta R.T. 0.006 min
Lab File: VD070334.D
Acq: 13 Sep 2021 18:50

Tgt Ion: 94 Resp: 2085
Ion Ratio Lower Upper
94 100
96 88.9 73.0 109.6

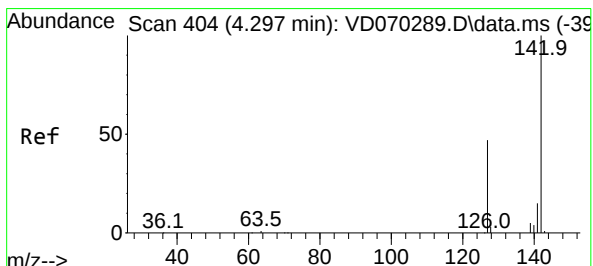
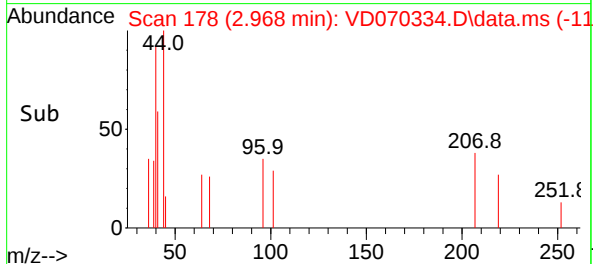
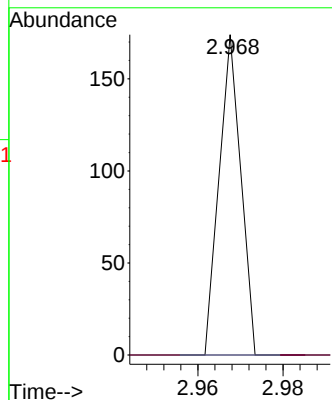
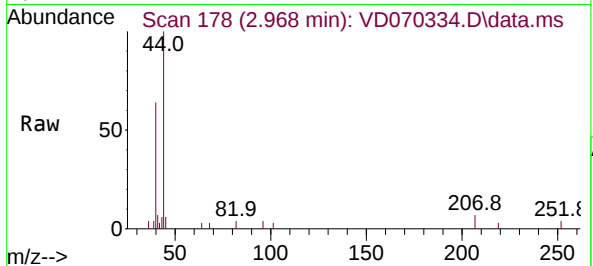




#6
Chloroethane
Concen: Below Cal
RT: 2.968 min Scan# 178
Delta R.T. 0.047 min
Lab File: VD070334.D
Acq: 13 Sep 2021 18:50

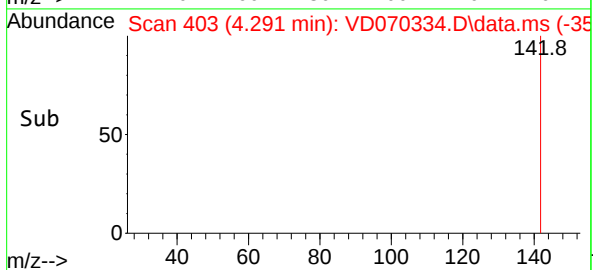
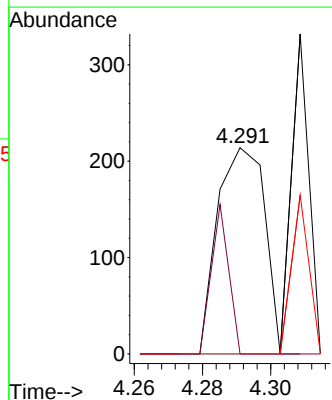
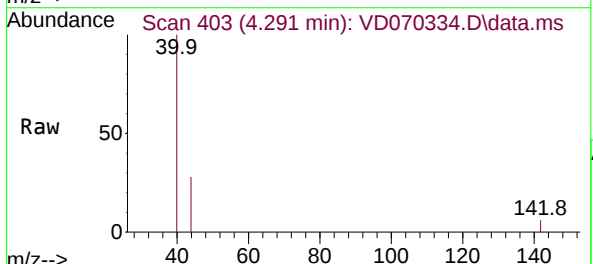
Instrument :
MSVOA_D
ClientSampled :
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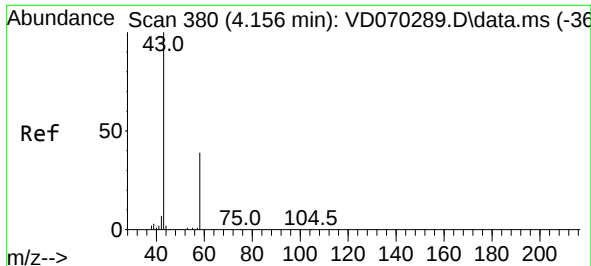
Tgt Ion: 64 Resp: 61
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#10
Methyl Iodide
Concen: 1.075 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD070334.D
Acq: 13 Sep 2021 18:50

Tgt Ion: 142 Resp: 205
Ion Ratio Lower Upper
142 100
127 26.8 36.9 55.3#
141 0.0 11.8 17.6#

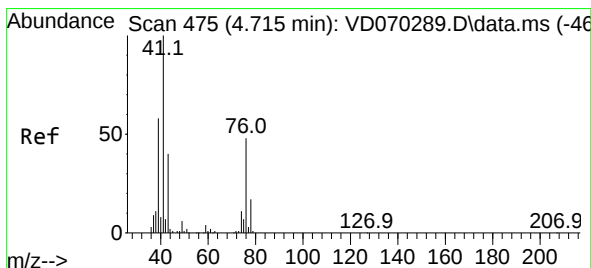
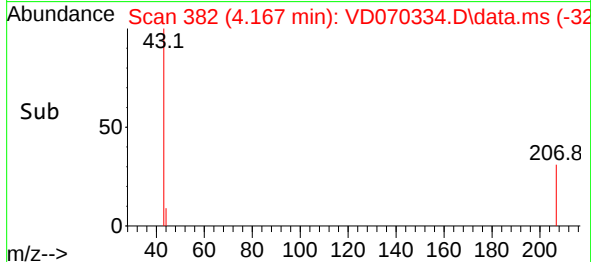
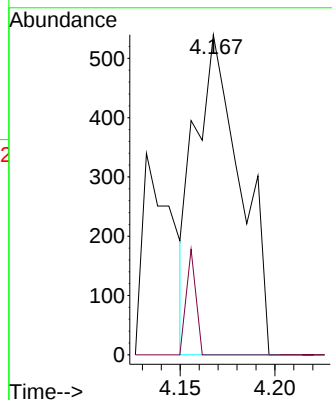
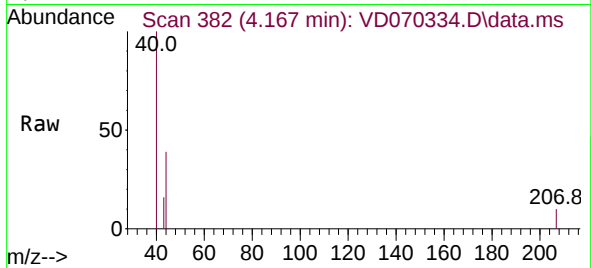




#16
Acetone
Concen: 1.136 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD070334.D
Acq: 13 Sep 2021 18:50

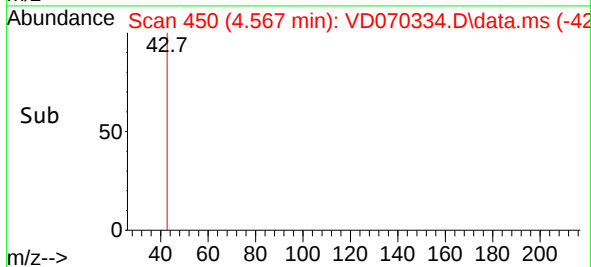
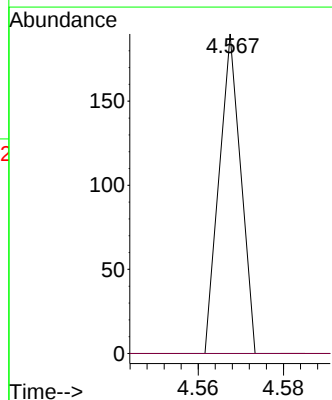
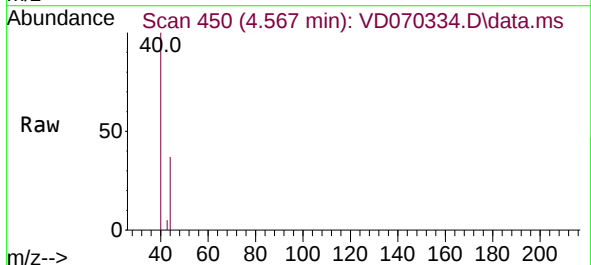
Instrument :
MSVOA_D
ClientSampled :
A010015

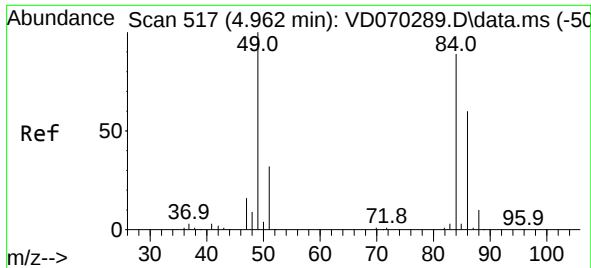
Tgt Ion: 43 Resp: 909
Ion Ratio Lower Upper
43 100
58 0.0 30.9 46.3#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.567 min Scan# 450
Delta R.T. -0.148 min
Lab File: VD070334.D
Acq: 13 Sep 2021 18:50

Tgt Ion: 43 Resp: 67
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#

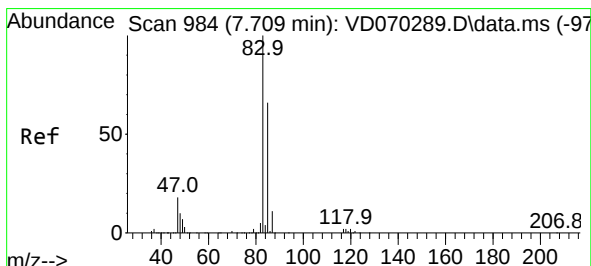
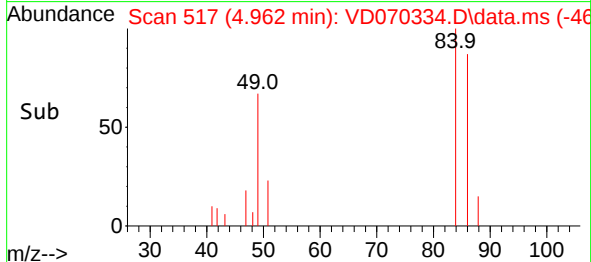
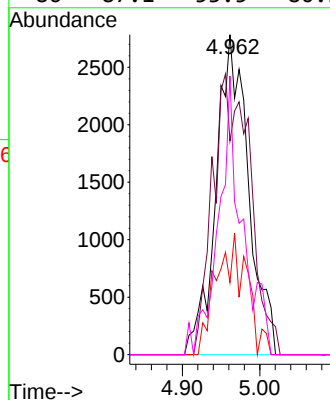
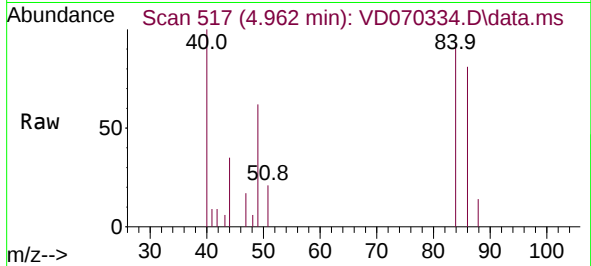




#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD070334.D
Acq: 13 Sep 2021 18:50

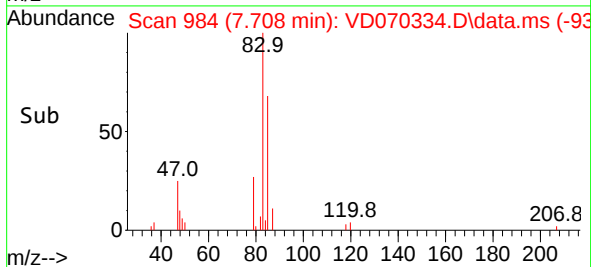
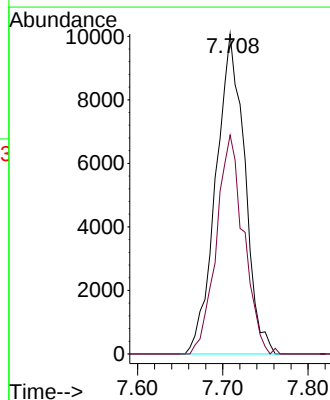
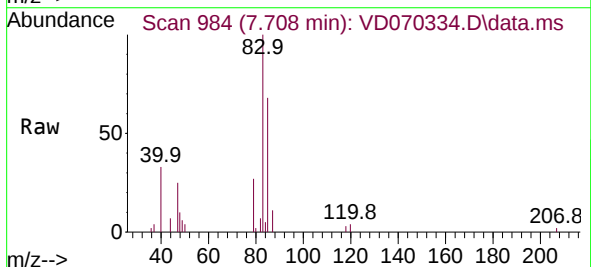
Instrument :
MSVOA_D
ClientSampleId :
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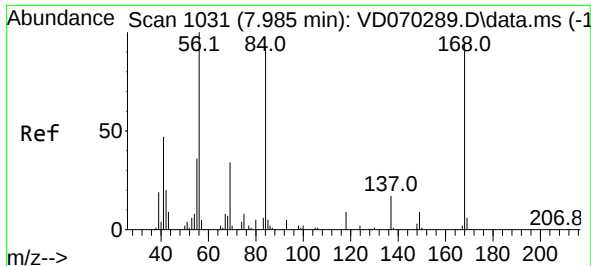
Tgt Ion:	84	Resp:	8112
Ion	Ratio	Lower	Upper
84	100		
49	66.8	89.6	134.4#
51	22.5	28.6	43.0#
86	87.1	53.5	80.3#



#30
Chloroform
Concen: 2.544 ug/l
RT: 7.708 min Scan# 984
Delta R.T. -0.000 min
Lab File: VD070334.D
Acq: 13 Sep 2021 18:50

Tgt Ion:	83	Resp:	23589
Ion	Ratio	Lower	Upper
83	100		
85	68.4	52.5	78.7

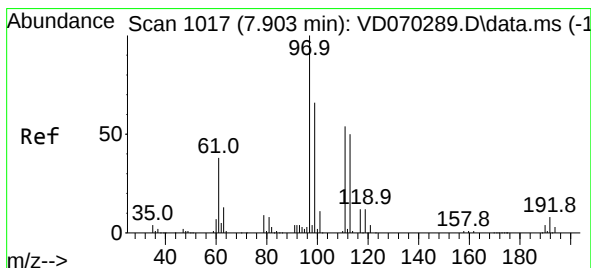
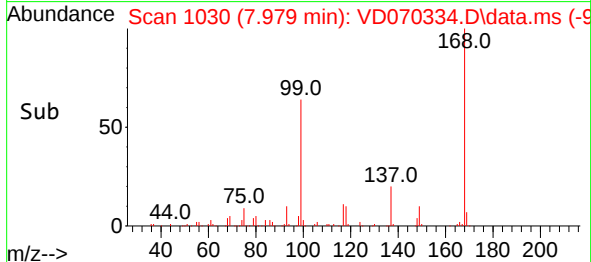
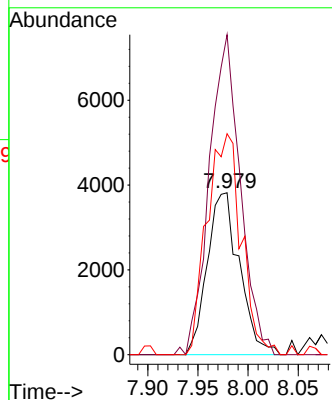
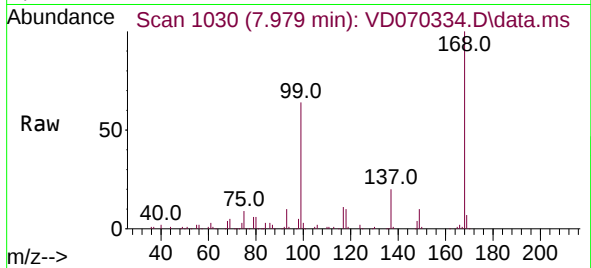




#31
Cyclohexane
Concen: 1.106 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070334.D
Acq: 13 Sep 2021 18:50

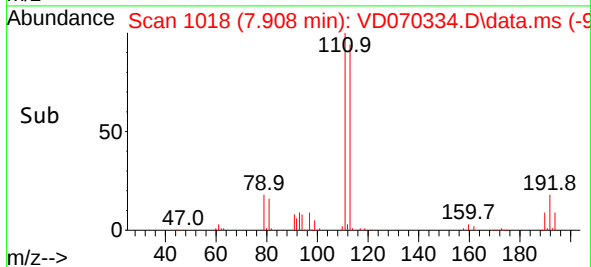
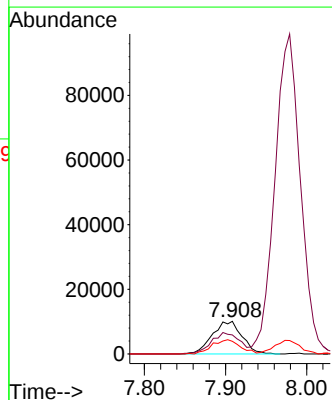
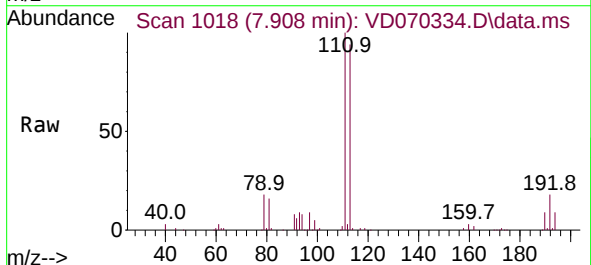
Instrument :
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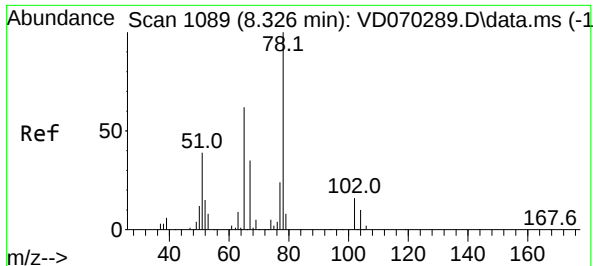
Tgt Ion: 56 Resp: 8537
Ion Ratio Lower Upper
56 100
69 197.5 26.9 40.3#
84 136.4 73.6 110.4#



#32
1,1,1-Trichloroethane
Concen: 3.293 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. 0.006 min
Lab File: VD070334.D
Acq: 13 Sep 2021 18:50

Tgt Ion: 97 Resp: 25696
Ion Ratio Lower Upper
97 100
99 61.6 51.1 76.7
61 40.8 31.4 47.0

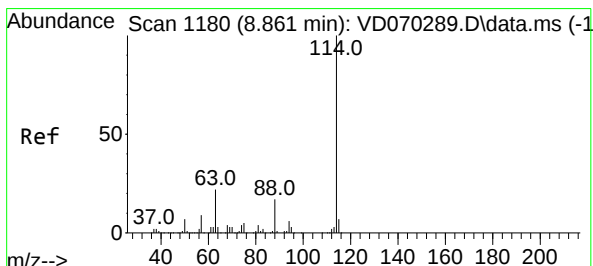
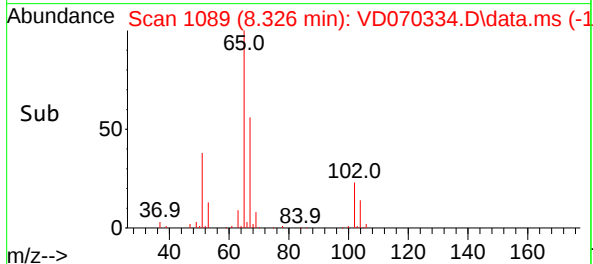
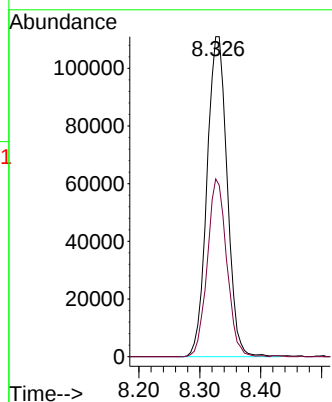
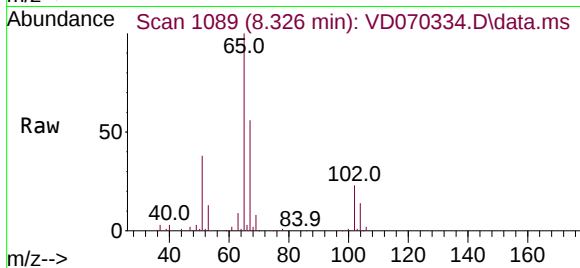




#33
1,2-Dichloroethane-d4
Concen: 56.937 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070334.D
Acq: 13 Sep 2021 18:50

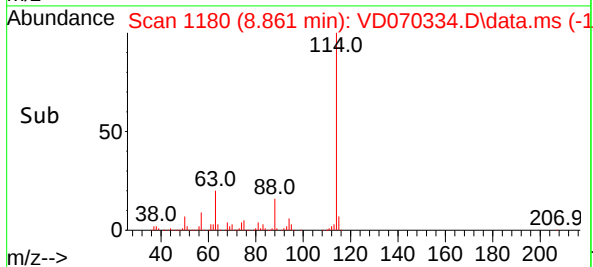
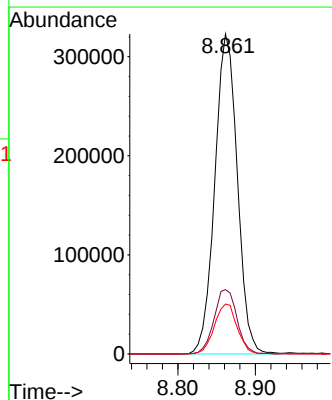
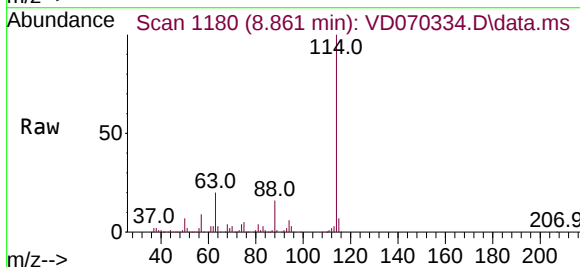
Instrument :
MSVOA_D
ClientSampleId :
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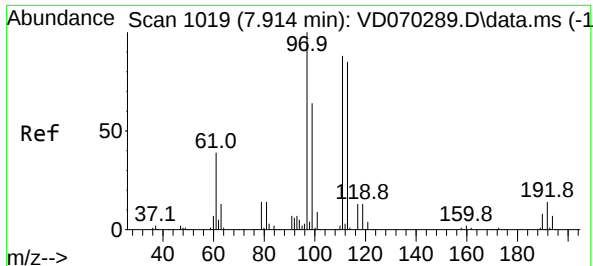
Tgt Ion: 65 Resp: 255189
Ion Ratio Lower Upper
65 100
67 53.5 0.0 111.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070334.D
Acq: 13 Sep 2021 18:50

Tgt Ion: 114 Resp: 651286
Ion Ratio Lower Upper
114 100
63 20.1 0.0 43.4
88 15.6 0.0 33.4





#35

Dibromofluoromethane

Concen: 58.922 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070334.D

Acq: 13 Sep 2021 18:50

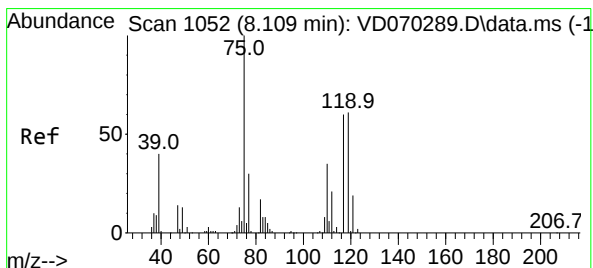
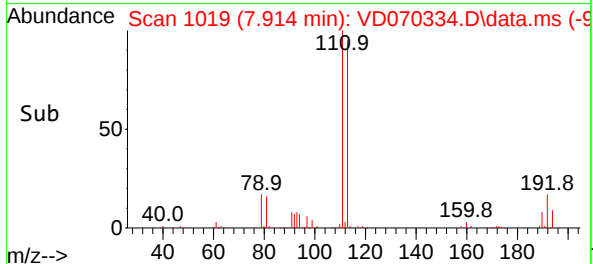
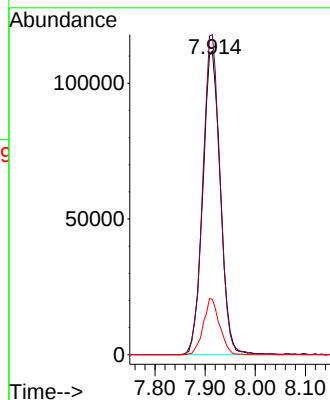
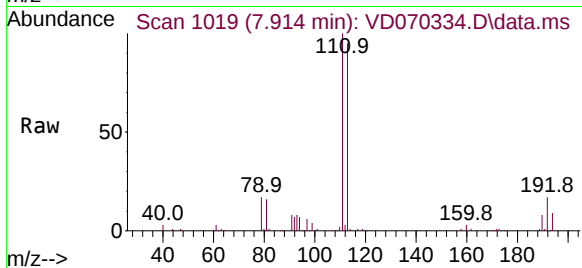
Tgt Ion:113 Resp: 273160

Ion Ratio Lower Upper

113 100

111 102.8 81.4 122.2

192 17.0 13.0 19.6



#36

1,1-Dichloropropene

Concen: 4.458 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD070334.D

Acq: 13 Sep 2021 18:50

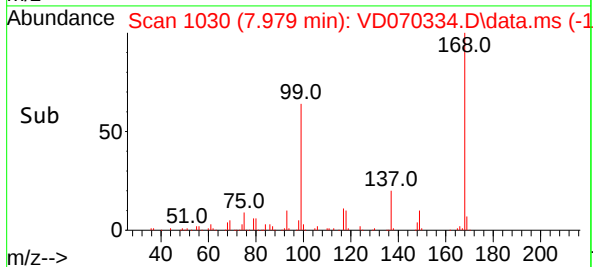
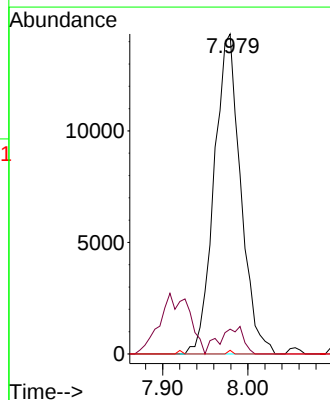
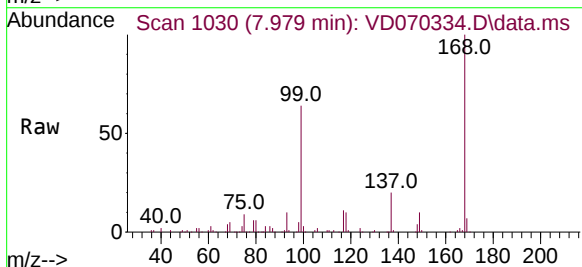
Tgt Ion: 75 Resp: 31032

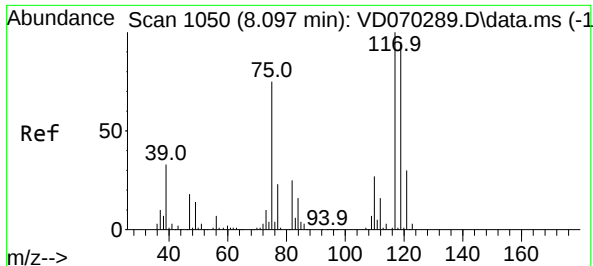
Ion Ratio Lower Upper

75 100

110 7.6 17.9 53.7#

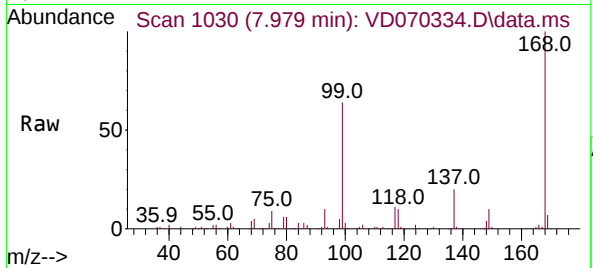
77 0.2 25.3 37.9#



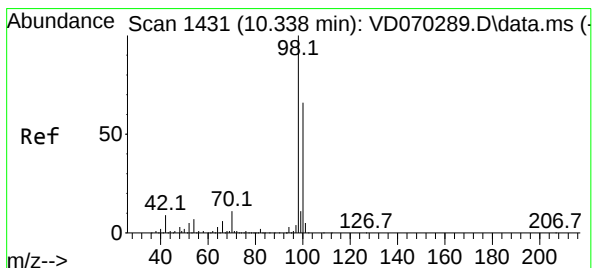
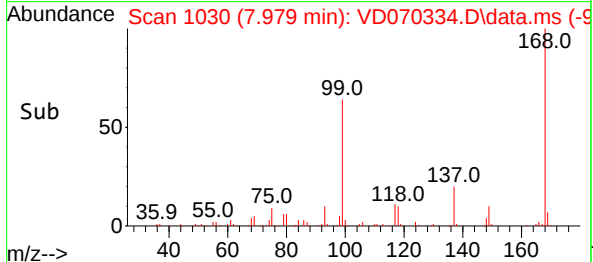
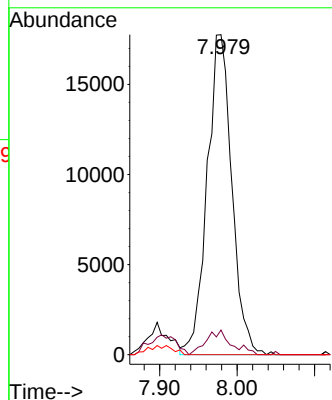


#38
Carbon Tetrachloride
Concen: 5.712 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070334.D
Acq: 13 Sep 2021 18:50

Instrument :
MSVOA_D
ClientSampleId :
A010015

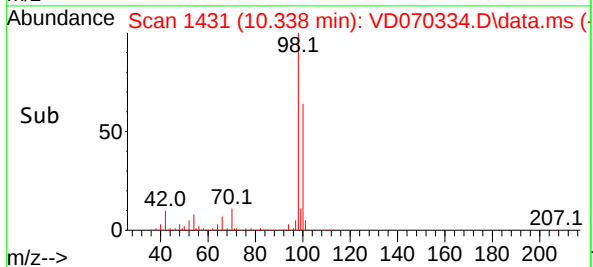
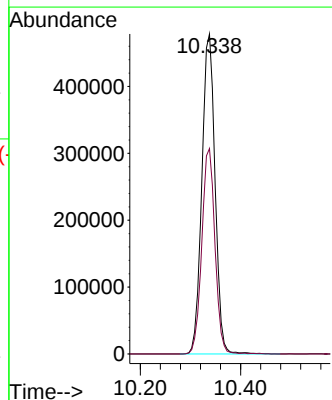
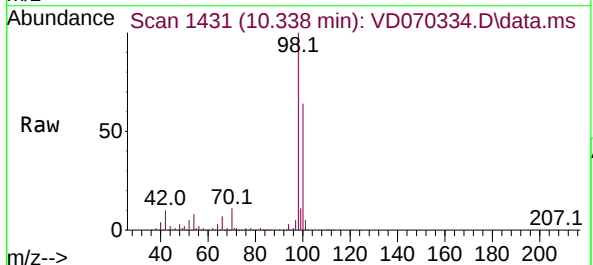


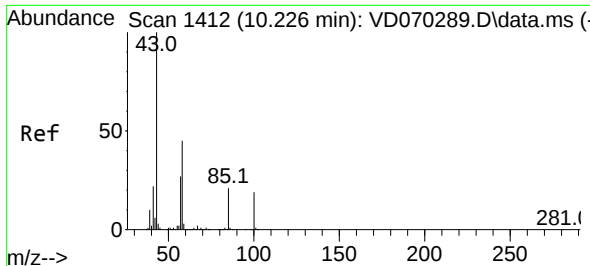
Tgt Ion:117 Resp: 39325
Ion Ratio Lower Upper
117 100
119 7.7 76.1 114.1#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 51.935 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070334.D
Acq: 13 Sep 2021 18:50

Tgt Ion: 98 Resp: 874176
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0

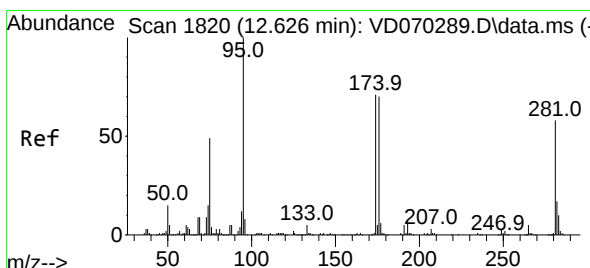
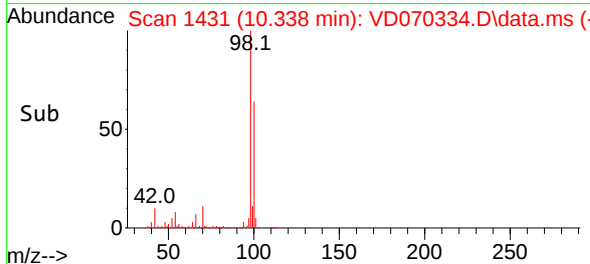
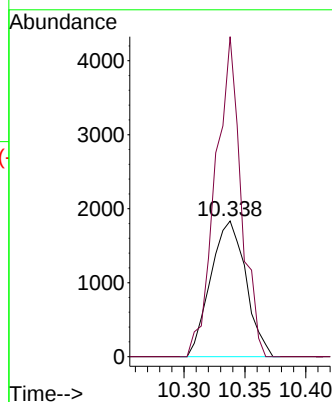
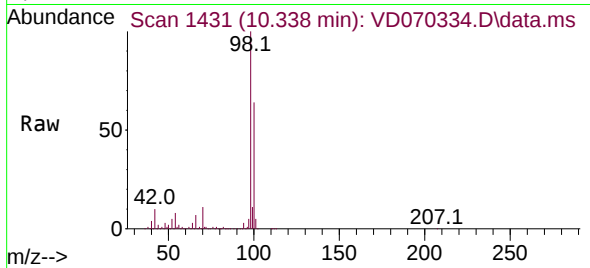




#51
4-Methyl-2-Pentanone
Concen: 1.481 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD070334.D
Acq: 13 Sep 2021 18:50

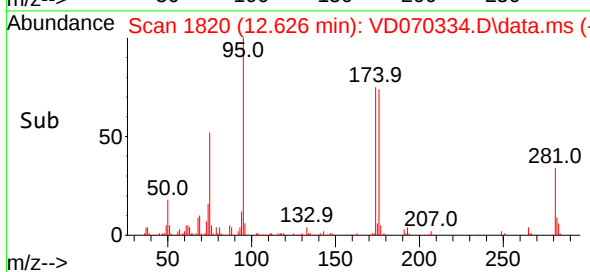
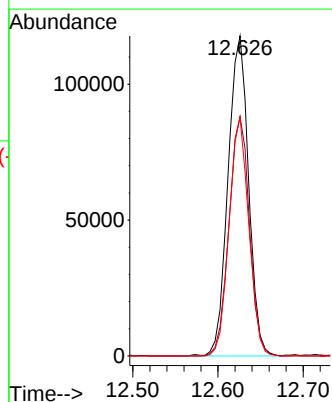
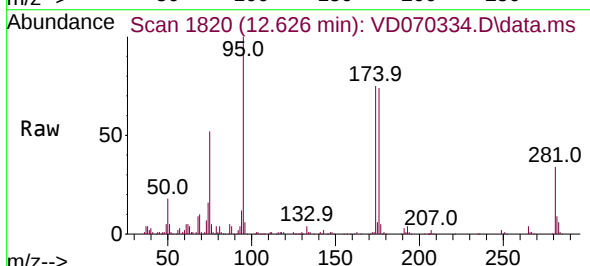
Instrument :
MSVOA_D
ClientSampled :
A010015

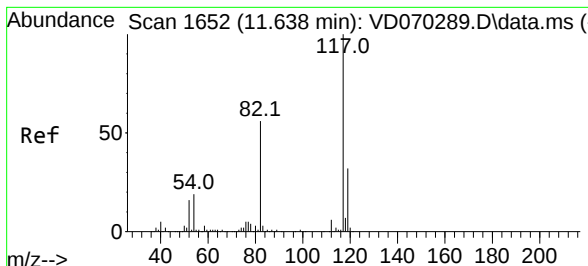
Tgt Ion: 43 Resp: 3688
Ion Ratio Lower Upper
43 100
58 173.4 35.4 53.2#



#62
4-Bromofluorobenzene
Concen: 33.554 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070334.D
Acq: 13 Sep 2021 18:50

Tgt Ion: 95 Resp: 197385
Ion Ratio Lower Upper
95 100
174 74.4 0.0 140.6
176 71.4 0.0 137.4

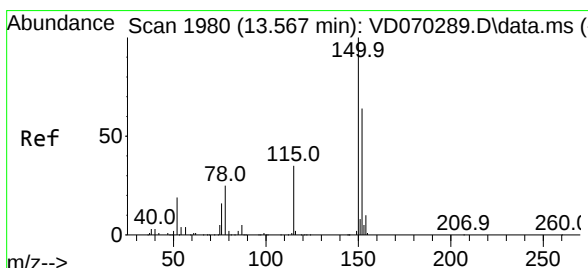
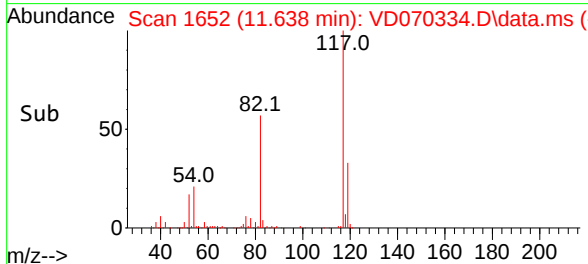
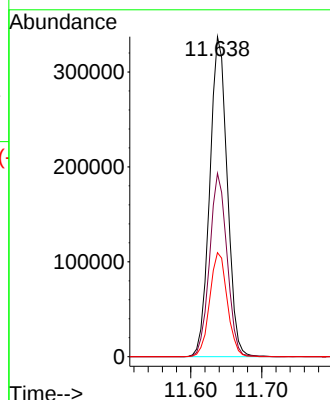
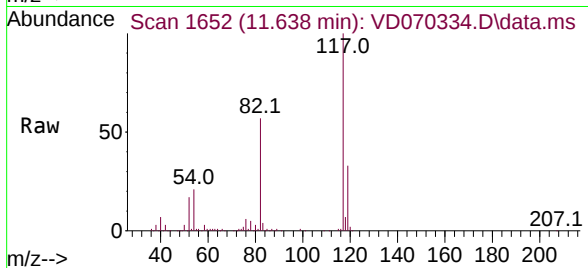




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070334.D
Acq: 13 Sep 2021 18:50

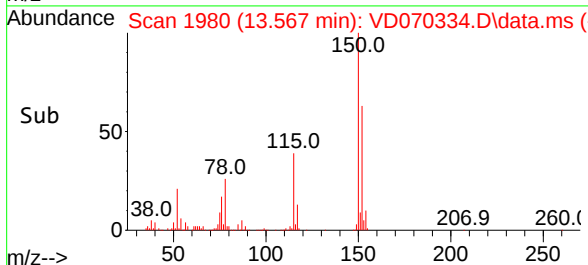
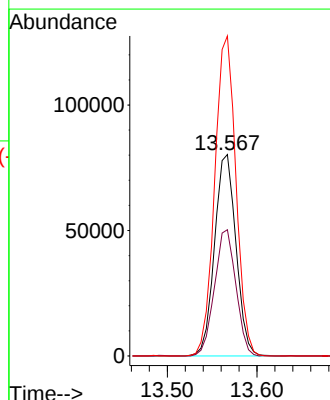
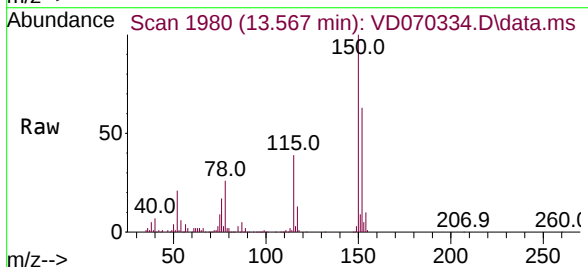
Instrument :
MSVOA_D
ClientSampleId :
A010015

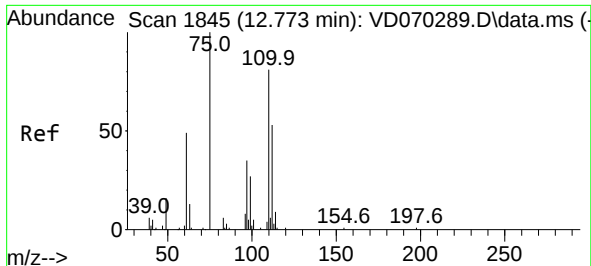
Tgt Ion:117 Resp: 575830
Ion Ratio Lower Upper
117 100
82 57.3 45.0 67.4
119 32.5 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070334.D
Acq: 13 Sep 2021 18:50

Tgt Ion:152 Resp: 133175
Ion Ratio Lower Upper
152 100
115 62.6 32.1 96.3
150 156.8 0.0 350.6

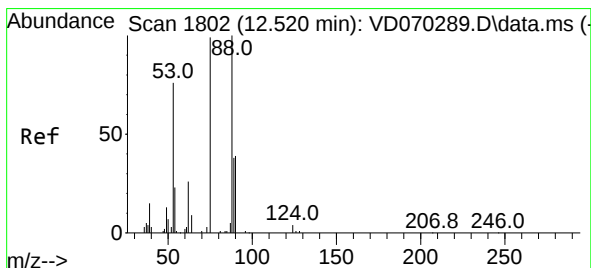
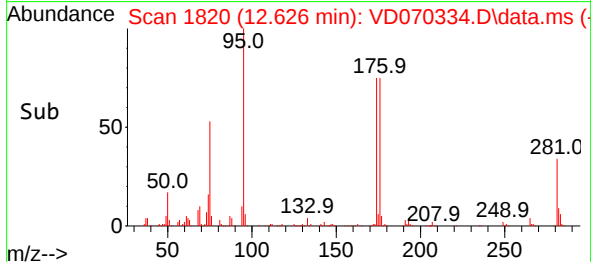
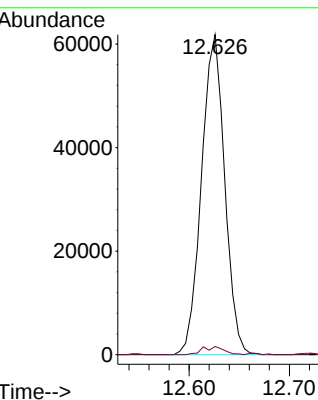
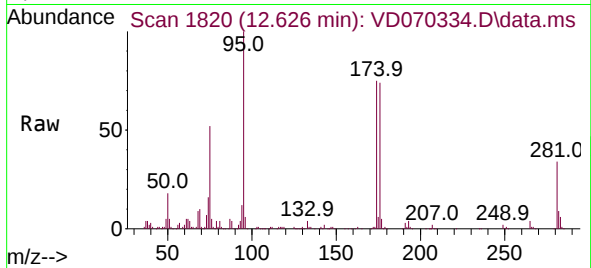




#76
1,2,3-Trichloropropane
Concen: 73.788 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070334.D
Acq: 13 Sep 2021 18:50

Instrument :
MSVOA_D
ClientSampleId :
A010015

Tgt Ion: 75 Resp: 99398
Ion Ratio Lower Upper
75 100
77 2.3 174.9 524.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 184.882 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070334.D
Acq: 13 Sep 2021 18:50

Tgt Ion: 75 Resp: 99398
Ion Ratio Lower Upper
75 100
53 0.4 64.2 96.2#
89 0.3 35.6 53.4#

