

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091321\
 Data File : VD070337.D
 Acq On : 13 Sep 2021 20:16
 Operator : VA/SY
 Sample : M3687-26
 Misc : 6.67G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A015095

Quant Time: Sep 14 00:57:00 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)

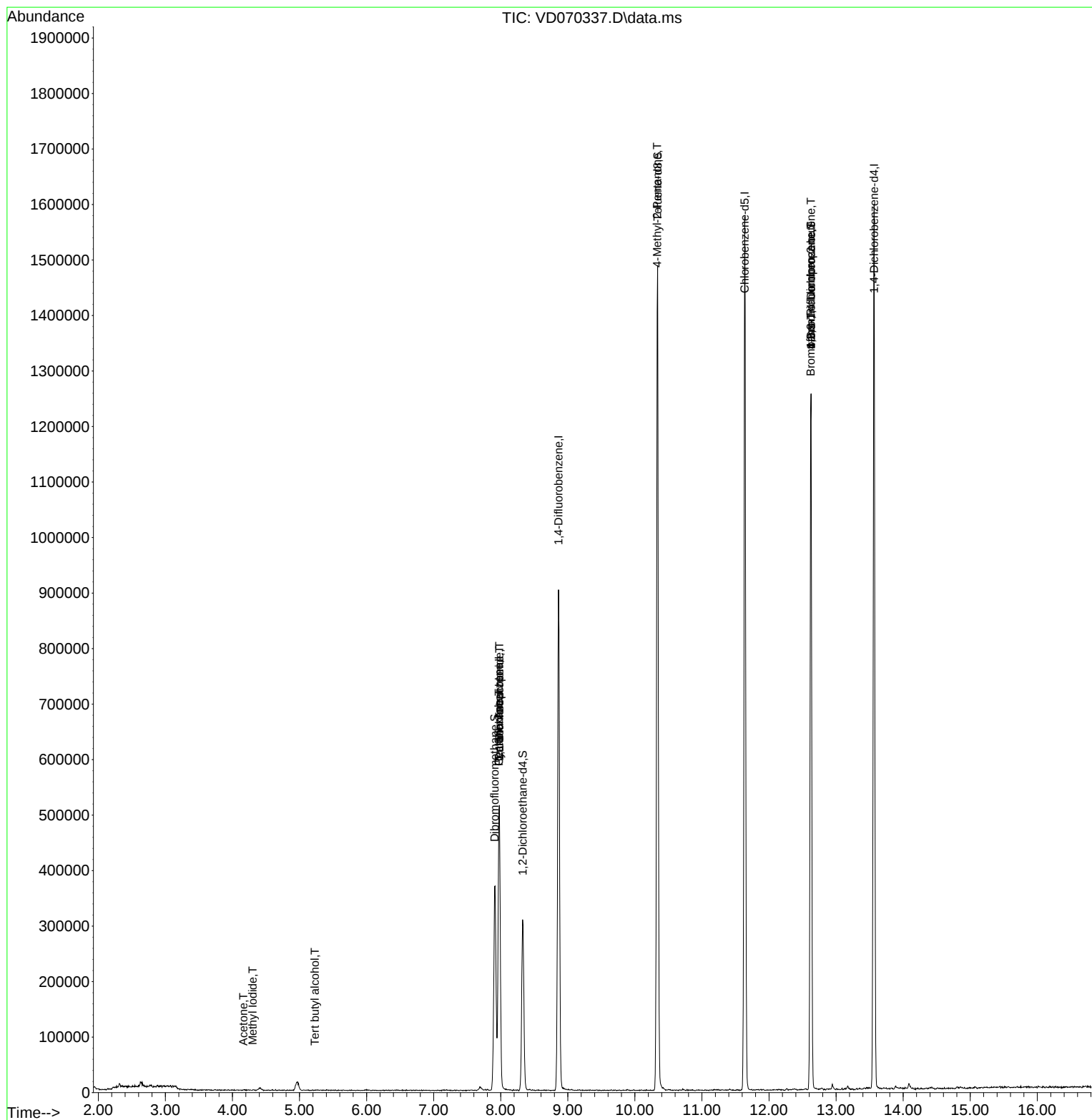
Internal Standards						
1) Pentafluorobenzene	7.973	168	363519	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	757010	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	890350	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	407042	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	248827	53.309	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.620%			
35) Dibromofluoromethane	7.909	113	265004	49.180	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.360%			
50) Toluene-d8	10.338	98	1013706	51.814	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.620%			
62) 4-Bromofluorobenzene	12.626	95	419877	61.408	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 122.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	69	Below Cal	#	1
3) Chloromethane	2.203	50	931	Below Cal	#	42
5) Bromomethane	2.779	94	2146	Below Cal		90
6) Chloroethane	2.968	64	73	Below Cal	#	43
10) Methyl Iodide	4.303	142	316	1.098 ug/l	#	39
11) Tert butyl alcohol	5.226	59	614	1.163 ug/l	#	100
16) Acetone	4.162	43	1212	1.454 ug/l	#	36
18) Methyl Acetate	4.732	43	64	Below Cal	#	48
20) Methylene Chloride	4.956	84	12199	Below Cal		88
31) Cyclohexane	7.973	56	9041	1.124 ug/l	#	1
36) 1,1-Dichloropropene	7.979	75	33533	4.144 ug/l	#	49
38) Carbon Tetrachloride	7.979	117	39703	4.961 ug/l	#	19
51) 4-Methyl-2-Pentanone	10.332	43	3908	1.350 ug/l	#	1
71) Bromoform	12.620	173	3362	1.007 ug/l	#	1
76) 1,2,3-Trichloropropane	12.626	75	207246	50.336 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.626	75	207246	126.121 ug/l	#	17

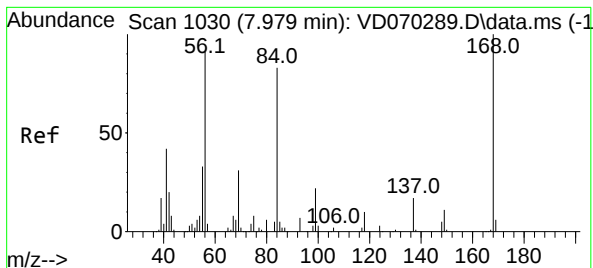
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD070337.D

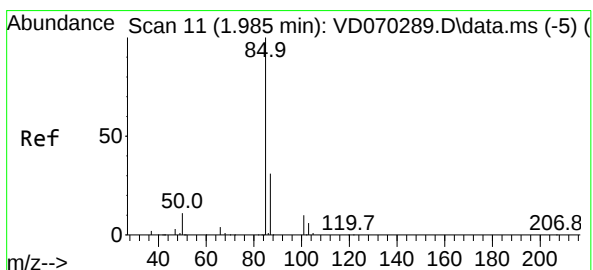
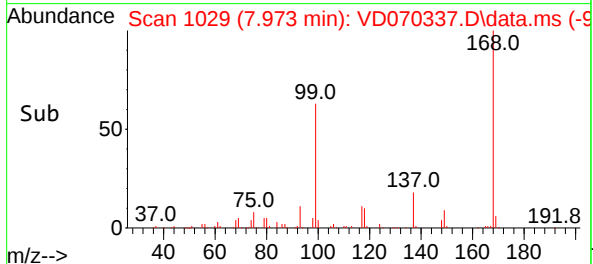
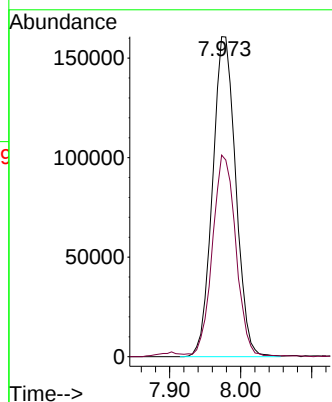
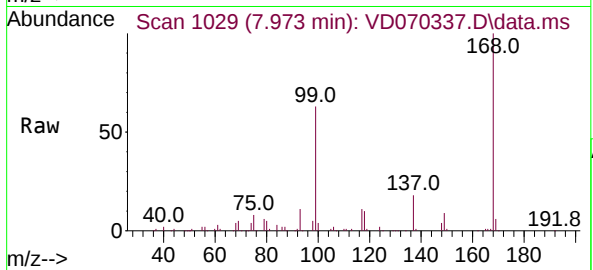
Acq: 13 Sep 2021 20:16

Tgt Ion:168 Resp: 363519

Ion Ratio Lower Upper

168 100

99 62.8 50.8 76.2



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.991 min Scan# 12

Delta R.T. 0.006 min

Lab File: VD070337.D

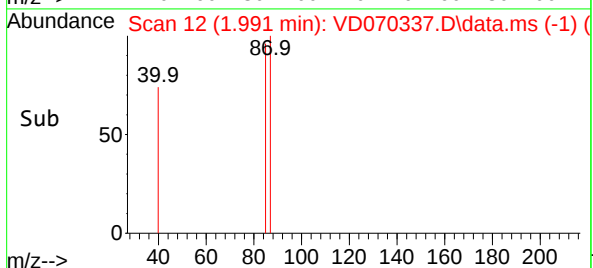
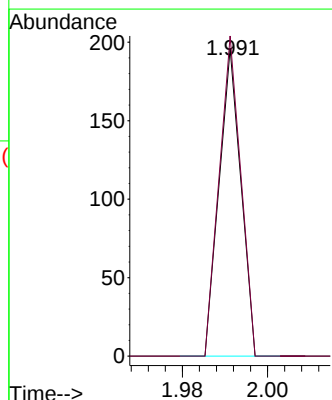
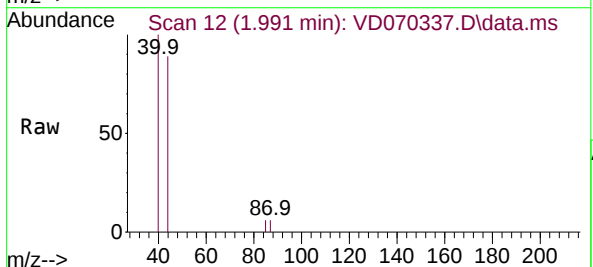
Acq: 13 Sep 2021 20:16

Tgt Ion: 85 Resp: 69

Ion Ratio Lower Upper

85 100

87 104.1 15.6 46.8#

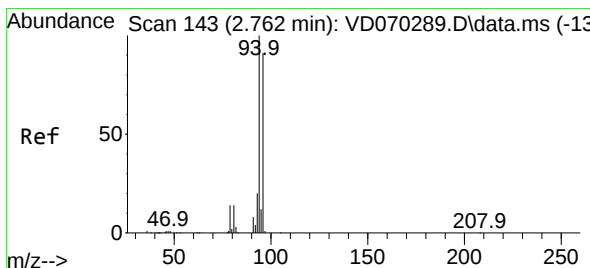
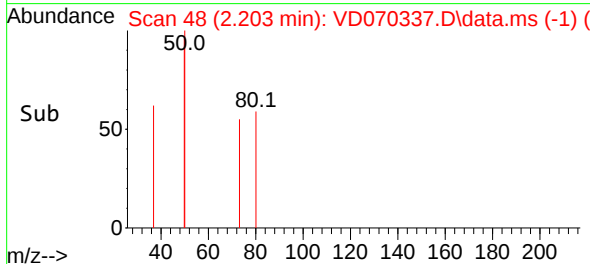
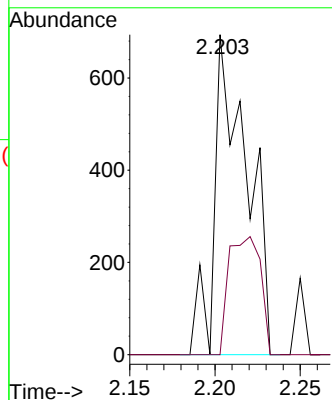
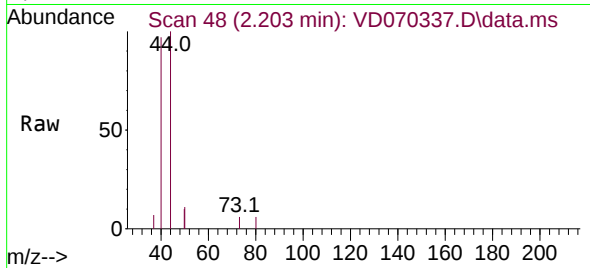




#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD070337.D
Acq: 13 Sep 2021 20:16

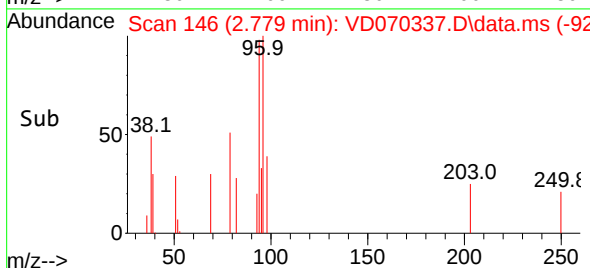
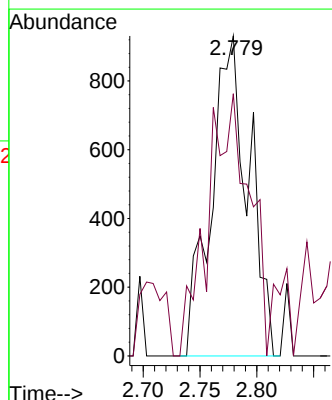
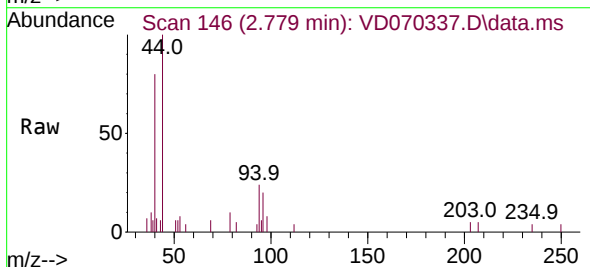
Instrument :
MSVOA_D
ClientSampleId :
A015095

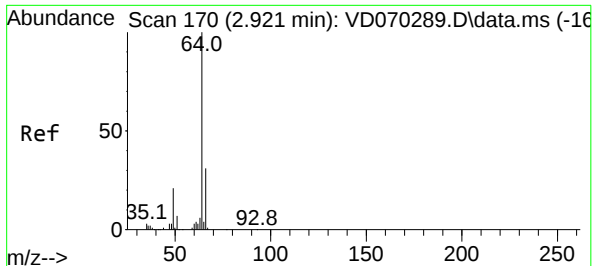
Tgt Ion: 50 Resp: 931
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070337.D
Acq: 13 Sep 2021 20:16

Tgt Ion: 94 Resp: 2146
Ion Ratio Lower Upper
94 100
96 82.0 73.0 109.6

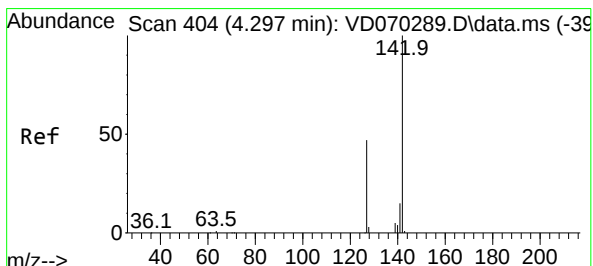
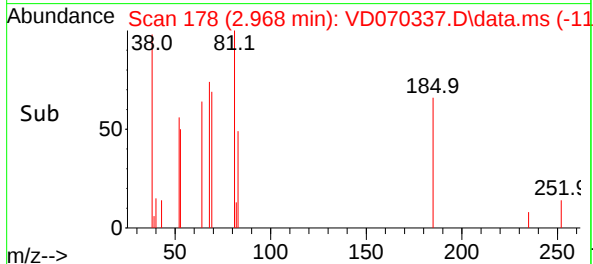
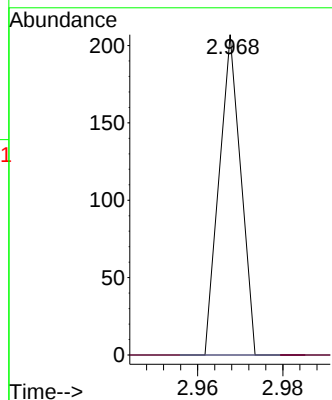
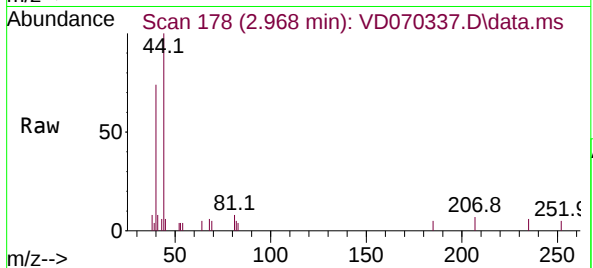




#6
Chloroethane
Concen: Below Cal
RT: 2.968 min Scan# 178
Delta R.T. 0.047 min
Lab File: VD070337.D
Acq: 13 Sep 2021 20:16

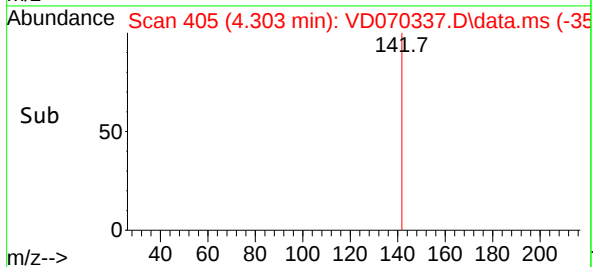
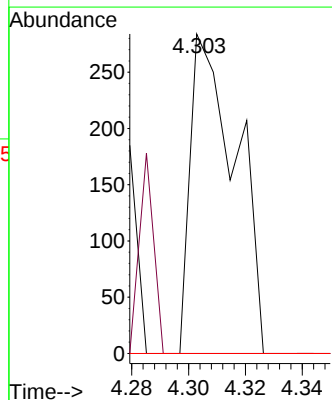
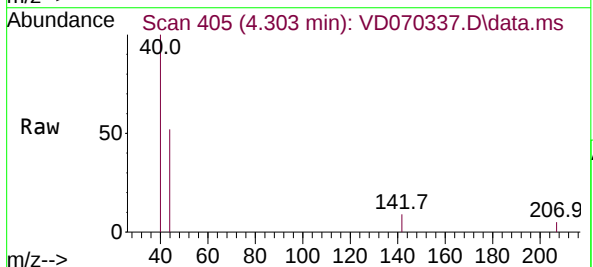
Instrument :
MSVOA_D
ClientSampleId :
A015095

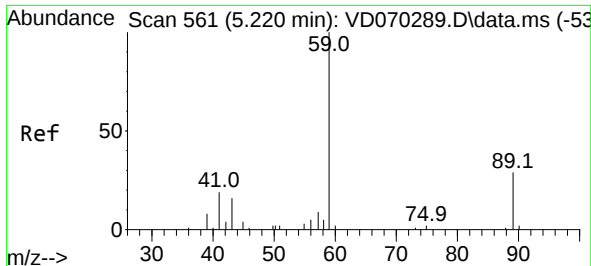
Tgt Ion: 64 Resp: 73
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#10
Methyl Iodide
Concen: 1.098 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD070337.D
Acq: 13 Sep 2021 20:16

Tgt Ion:142 Resp: 316
Ion Ratio Lower Upper
142 100
127 0.0 36.9 55.3#
141 0.0 11.8 17.6#

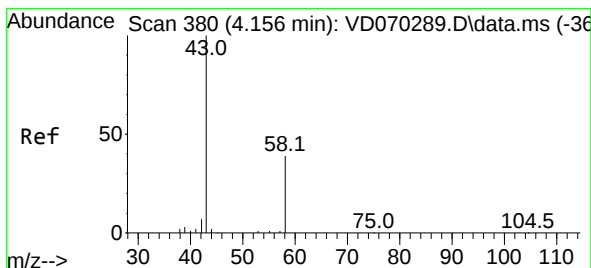
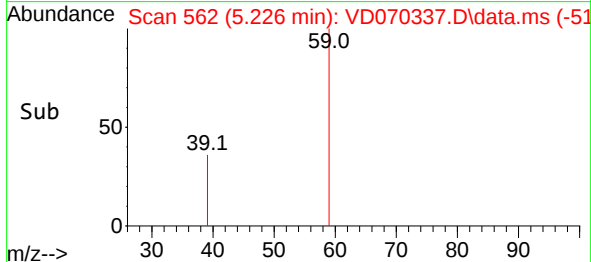
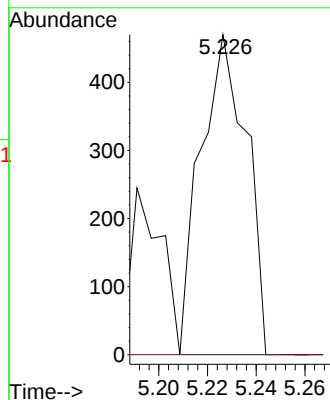
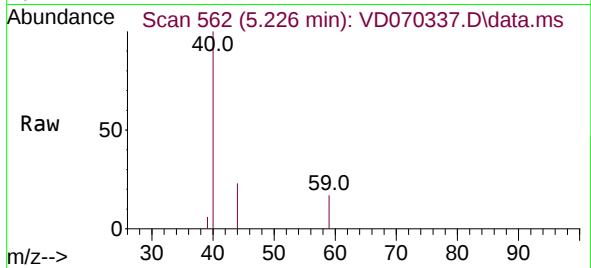




#11
Tert butyl alcohol
Concen: 1.163 ug/l
RT: 5.226 min Scan# 562
Delta R.T. 0.006 min
Lab File: VD070337.D
Acq: 13 Sep 2021 20:16

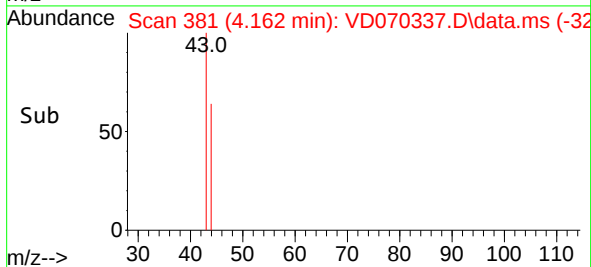
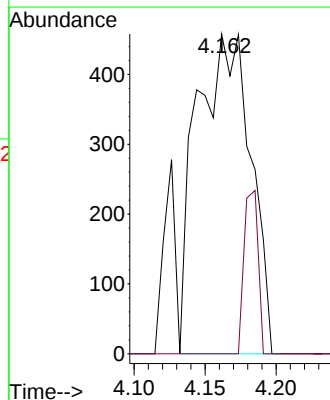
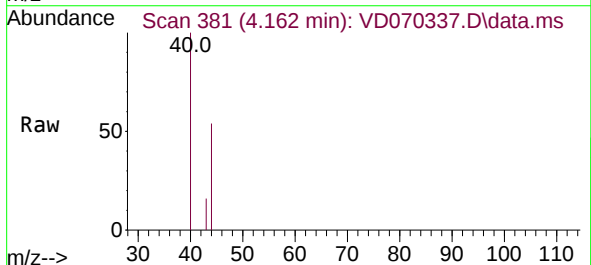
Instrument :
MSVOA_D
ClientSampleId :
A015095

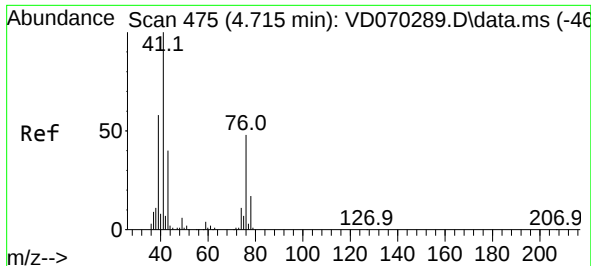
Tgt Ion: 59 Resp: 614
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#16
Acetone
Concen: 1.454 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070337.D
Acq: 13 Sep 2021 20:16

Tgt Ion: 43 Resp: 1212
Ion Ratio Lower Upper
43 100
58 0.0 30.9 46.3#

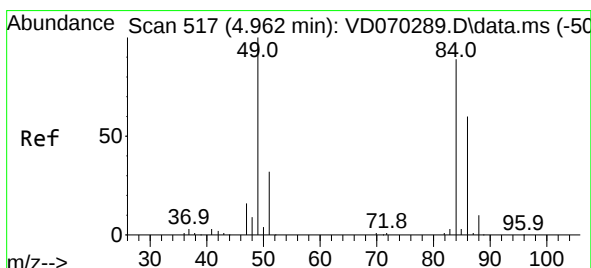
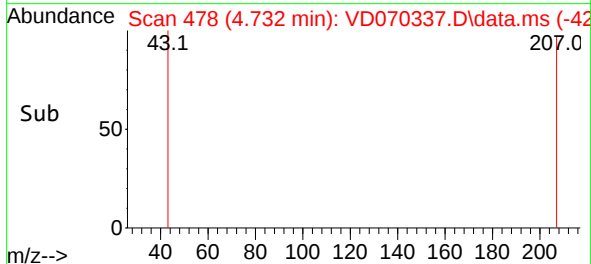
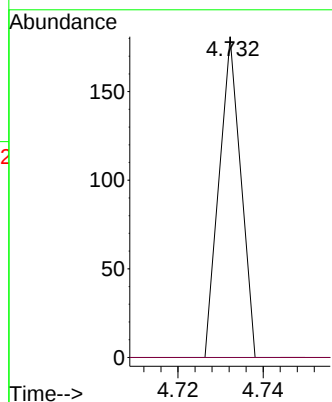
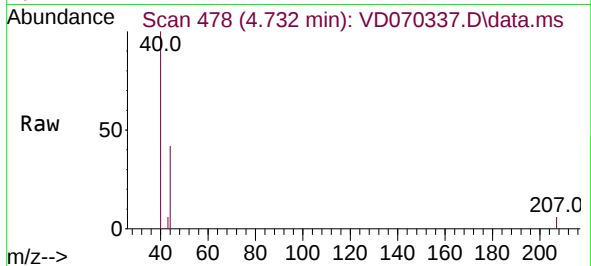




#18
Methyl Acetate
Concen: Below Cal
RT: 4.732 min Scan# 478
Delta R.T. 0.017 min
Lab File: VD070337.D
Acq: 13 Sep 2021 20:16

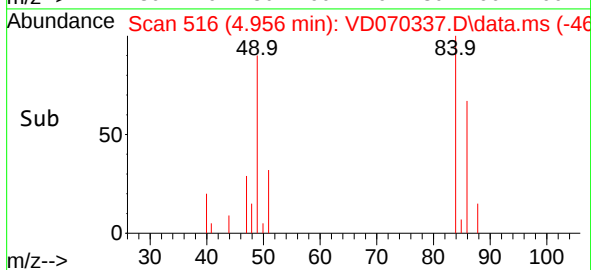
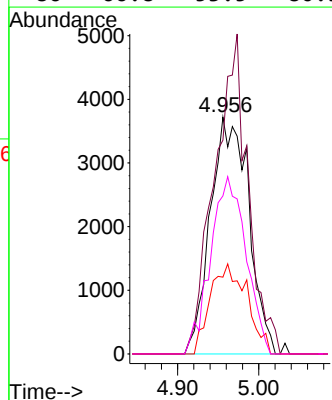
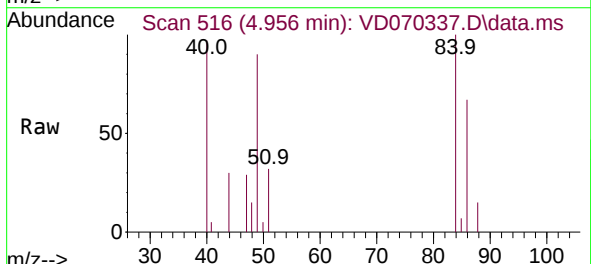
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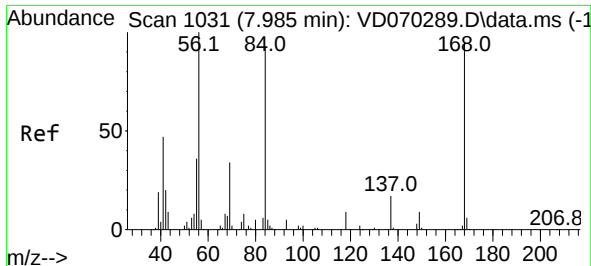
Tgt Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD070337.D
Acq: 13 Sep 2021 20:16

Tgt Ion: 84 Resp: 12199
Ion Ratio Lower Upper
84 100
49 90.3 89.6 134.4
51 32.5 28.6 43.0
86 66.8 53.5 80.3





#31

Cyclohexane

Concen: 1.124 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD070337.D

Acq: 13 Sep 2021 20:16

Instrument :

MSVOA_D

ClientSampleId :

A015095

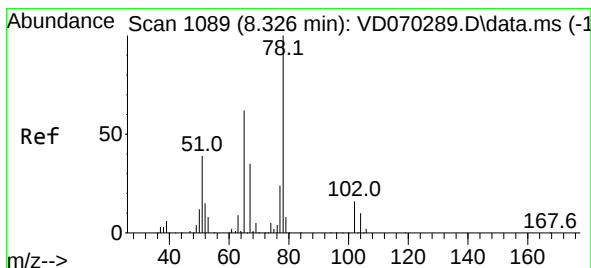
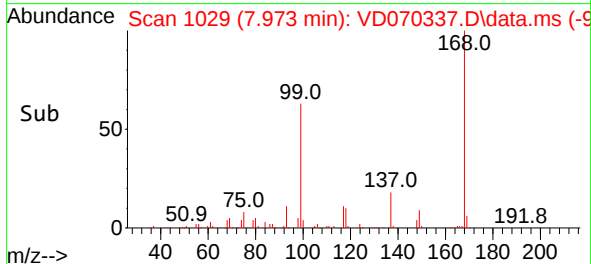
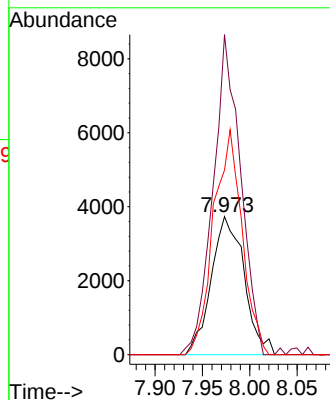
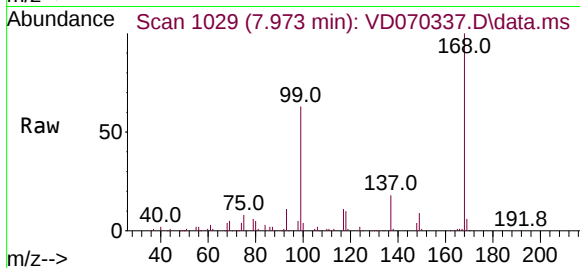
Tgt Ion: 56 Resp: 9041

Ion Ratio Lower Upper

56 100

69 231.9 26.9 40.3#

84 133.8 73.6 110.4#



#33

1,2-Dichloroethane-d4

Concen: 53.309 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD070337.D

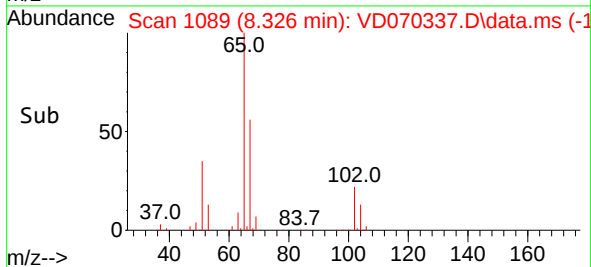
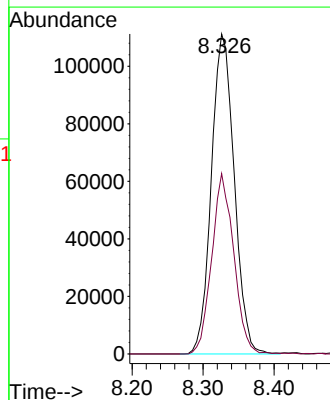
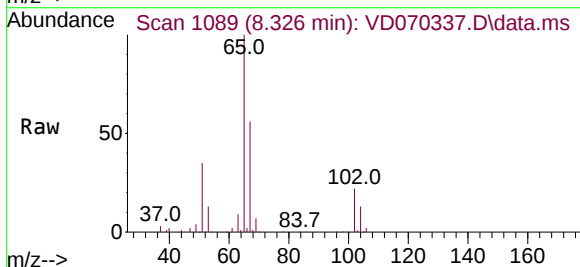
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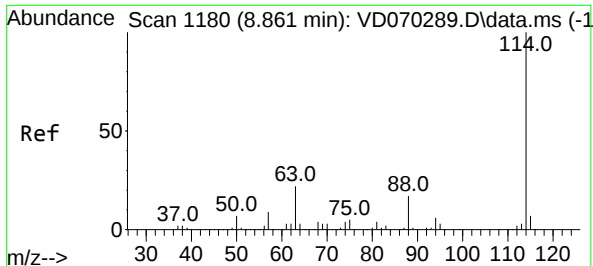
Tgt Ion: 65 Resp: 248827

Ion Ratio Lower Upper

65 100

67 54.3 0.0 111.4

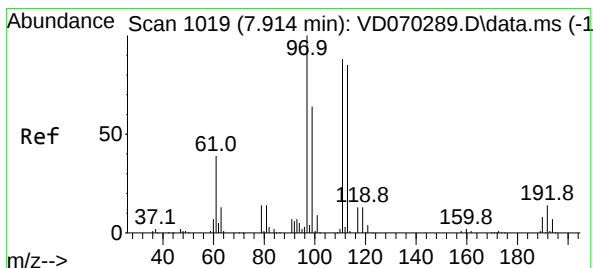
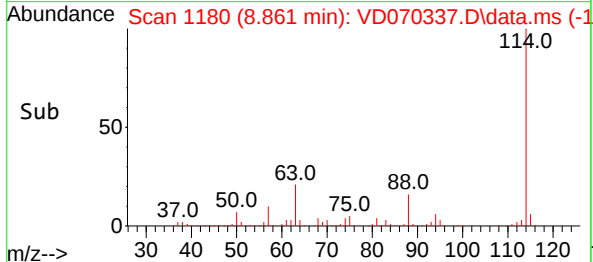
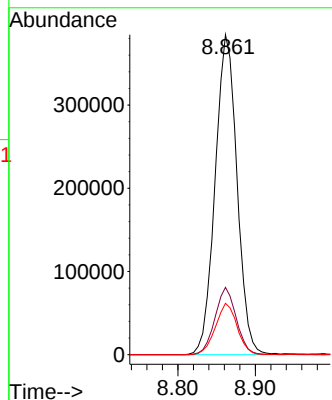
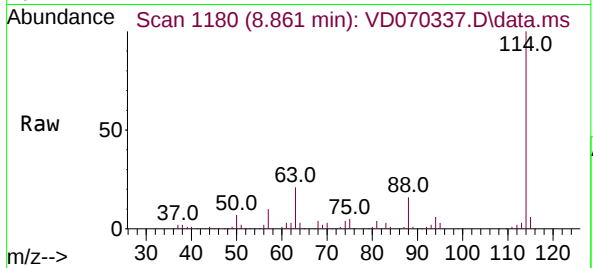




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070337.D
Acq: 13 Sep 2021 20:16

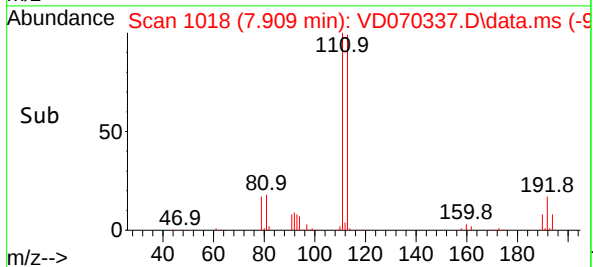
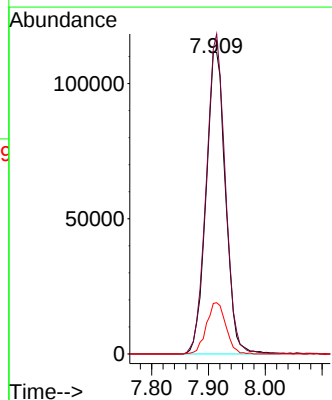
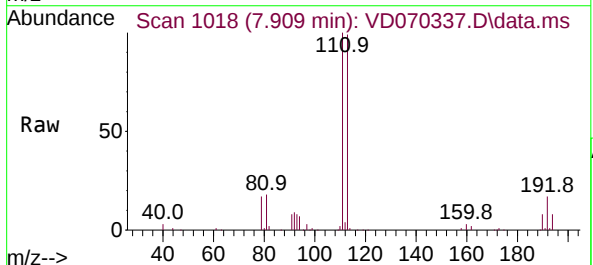
Instrument :
MSVOA_D
ClientSampled :
A015095

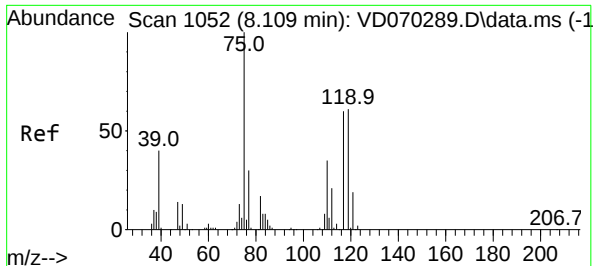
Tgt Ion:114 Resp: 757010
Ion Ratio Lower Upper
114 100
63 21.1 0.0 43.4
88 16.1 0.0 33.4



#35
Dibromofluoromethane
Concen: 49.180 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD070337.D
Acq: 13 Sep 2021 20:16

Tgt Ion:113 Resp: 265004
Ion Ratio Lower Upper
113 100
111 103.6 81.4 122.2
192 17.0 13.0 19.6

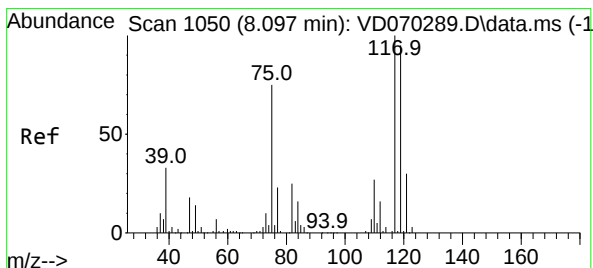
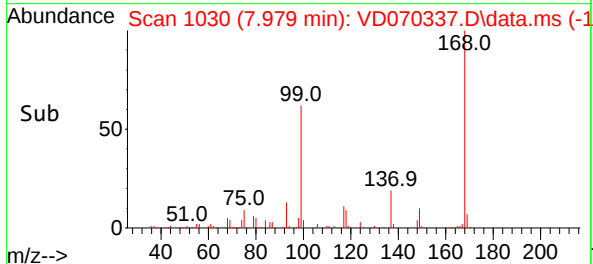
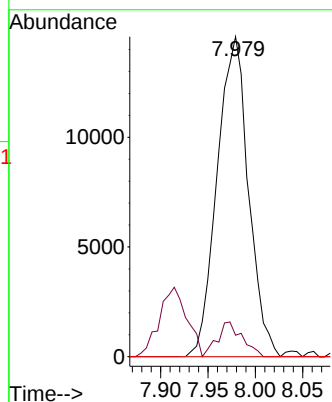
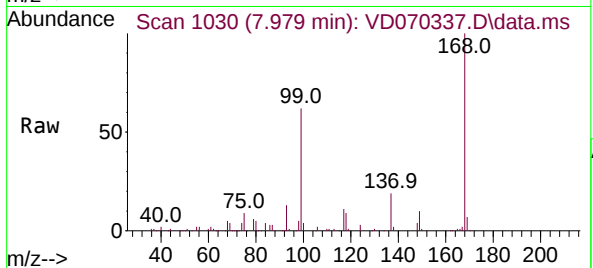




#36
1,1-Dichloropropene
Concen: 4.144 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD070337.D
Acq: 13 Sep 2021 20:16

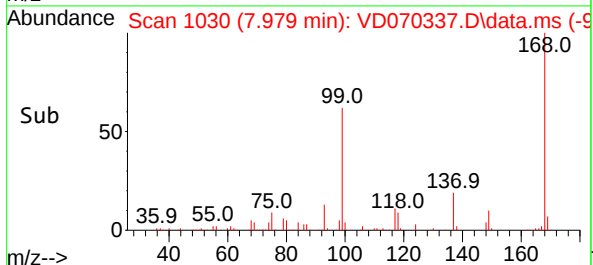
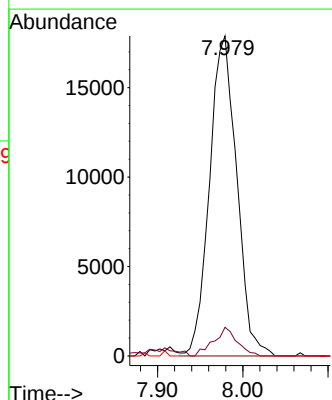
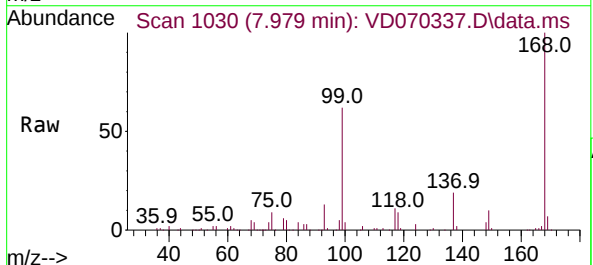
Instrument :
MSVOA_D
ClientSampled :
A015095

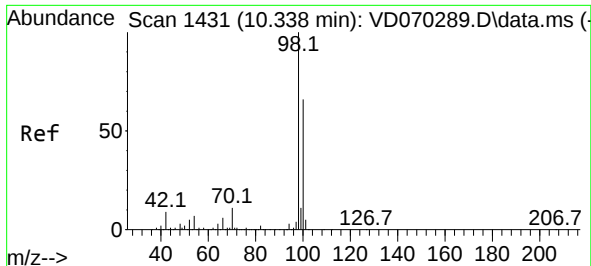
Tgt Ion: 75 Resp: 33533
Ion Ratio Lower Upper
75 100
110 8.6 17.9 53.7#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 4.961 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070337.D
Acq: 13 Sep 2021 20:16

Tgt Ion: 117 Resp: 39703
Ion Ratio Lower Upper
117 100
119 9.0 76.1 114.1#
121 0.0 23.8 35.6#

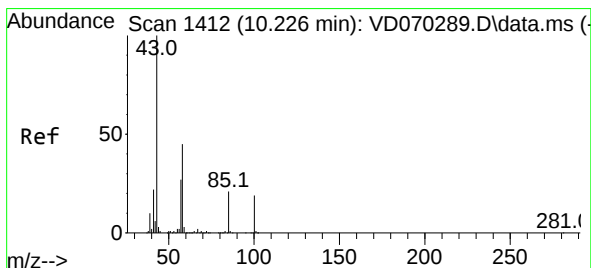
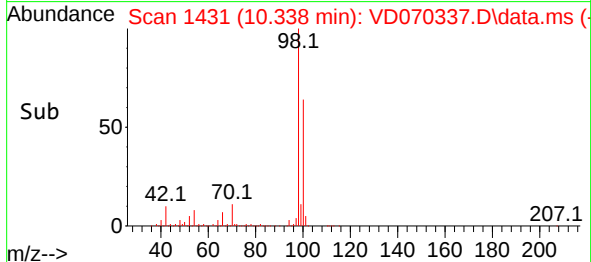
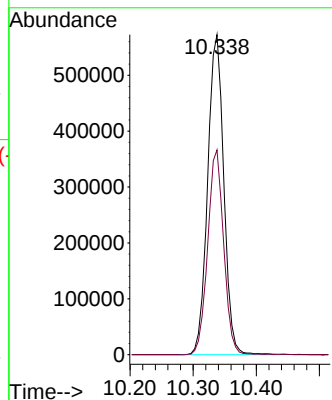
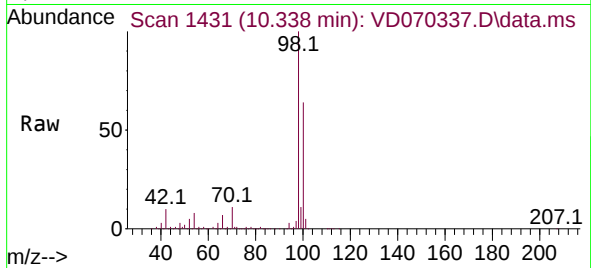




#50
Toluene-d8
Concen: 51.814 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070337.D
Acq: 13 Sep 2021 20:16

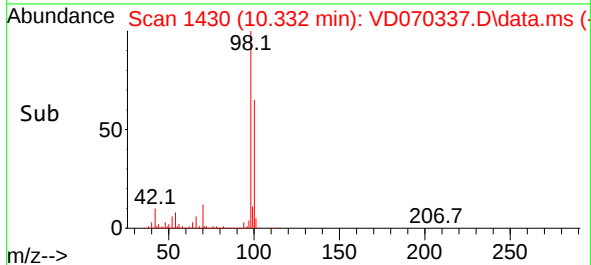
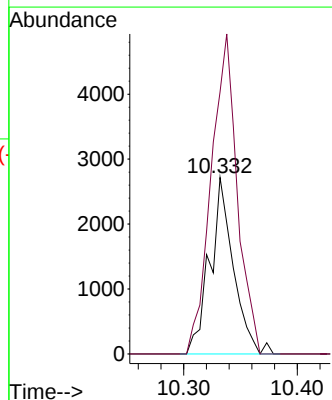
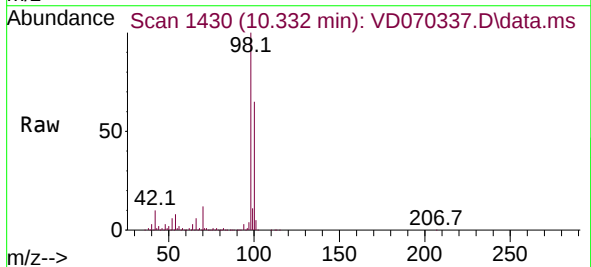
Instrument :
MSVOA_D
ClientSampleId :
A015095

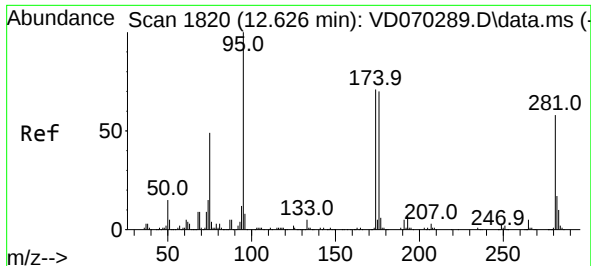
Tgt Ion: 98 Resp: 1013706
Ion Ratio Lower Upper
98 100
100 63.3 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.350 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD070337.D
Acq: 13 Sep 2021 20:16

Tgt Ion: 43 Resp: 3908
Ion Ratio Lower Upper
43 100
58 201.2 35.4 53.2#

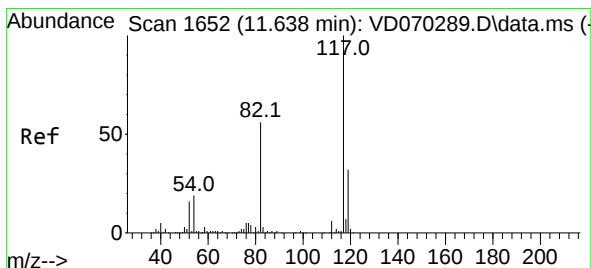
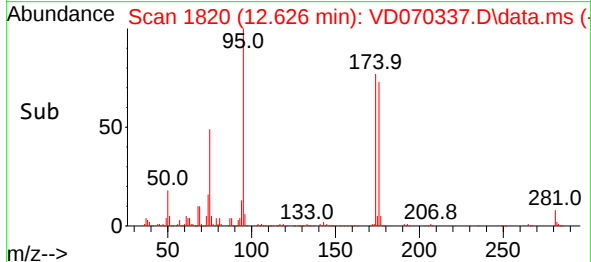
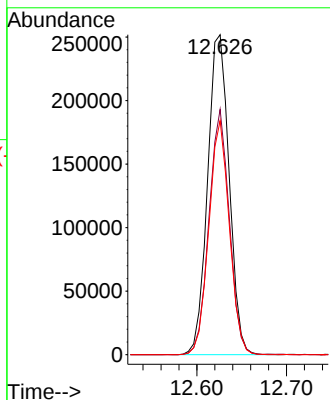
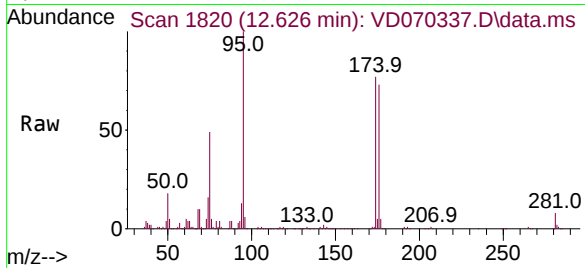




#62
4-Bromofluorobenzene
Concen: 61.408 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070337.D
Acq: 13 Sep 2021 20:16

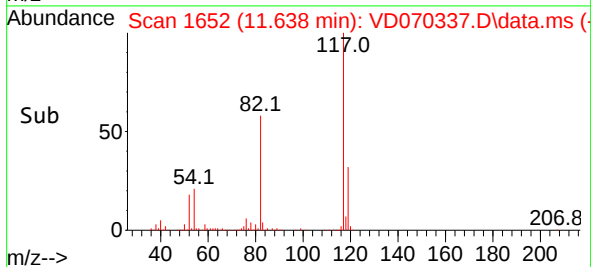
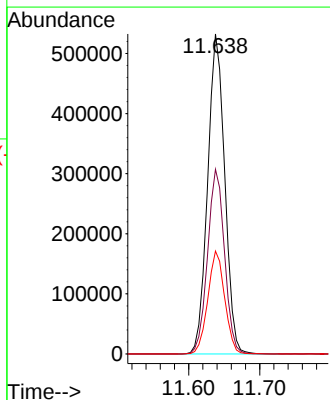
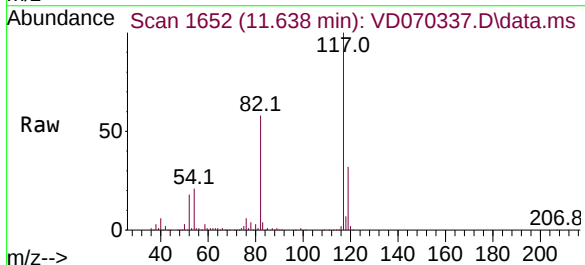
Instrument :
MSVOA_D
ClientSampleId :
A015095

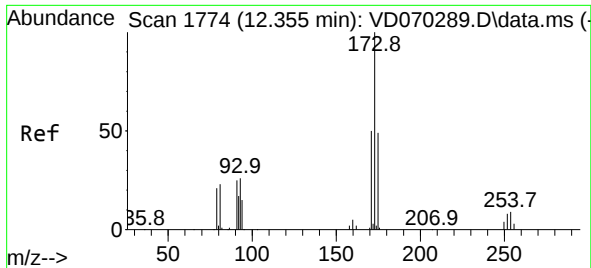
Tgt Ion: 95 Resp: 419877
Ion Ratio Lower Upper
95 100
174 72.3 0.0 140.6
176 69.4 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070337.D
Acq: 13 Sep 2021 20:16

Tgt Ion: 117 Resp: 890350
Ion Ratio Lower Upper
117 100
82 57.7 45.0 67.4
119 32.2 25.2 37.8

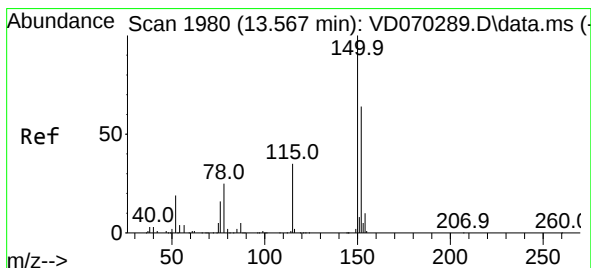
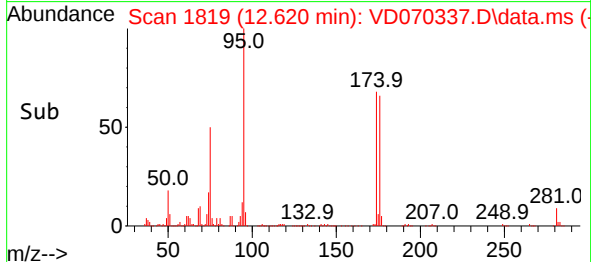
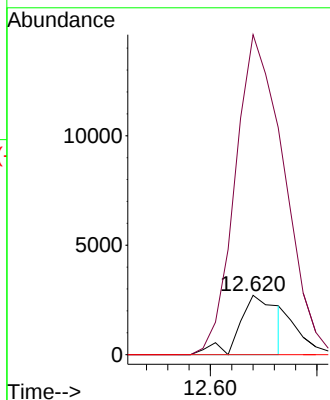
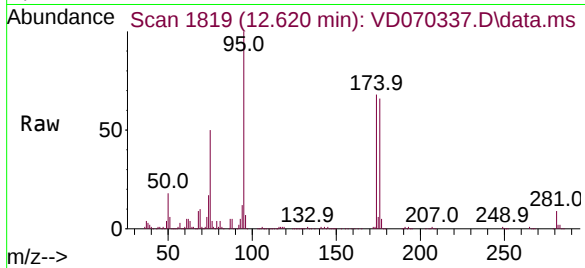




#71
Bromoform
Concen: 1.007 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD070337.D
Acq: 13 Sep 2021 20:16

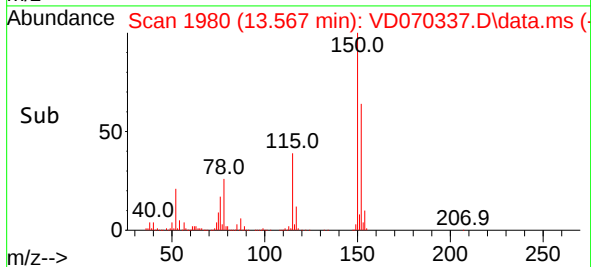
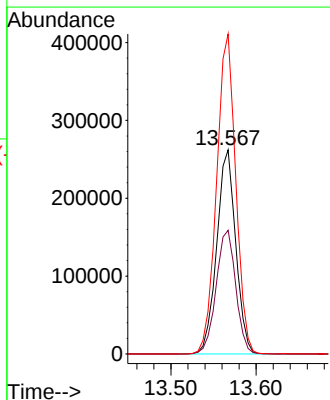
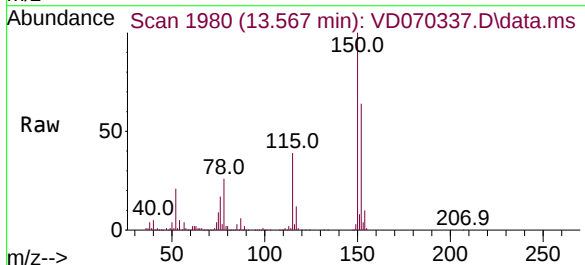
Instrument :
MSVOA_D
ClientSampled :
A015095

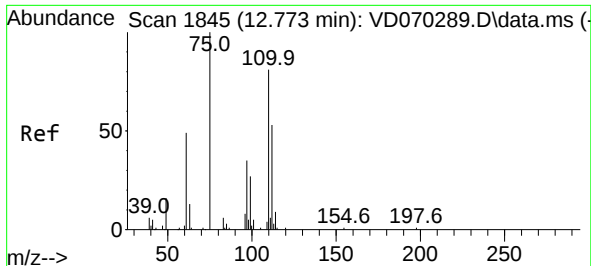
Tgt Ion:173 Resp: 3362
Ion Ratio Lower Upper
173 100
175 579.7 25.1 75.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070337.D
Acq: 13 Sep 2021 20:16

Tgt Ion:152 Resp: 407042
Ion Ratio Lower Upper
152 100
115 62.6 32.1 96.3
150 157.6 0.0 350.6

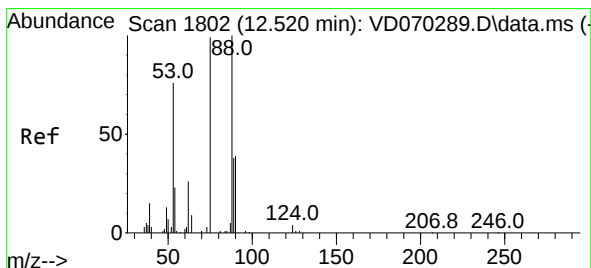
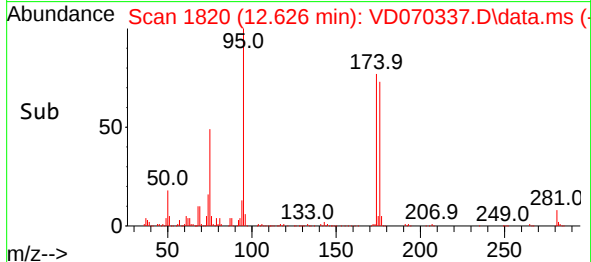
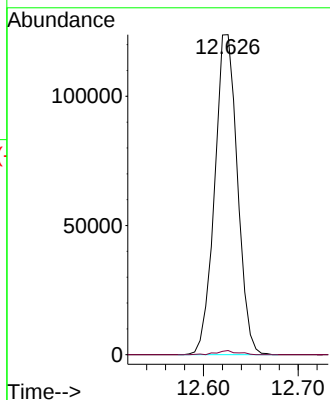
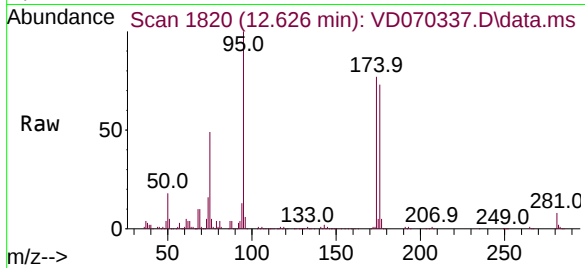




#76
1,2,3-Trichloropropane
Concen: 50.336 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070337.D
Acq: 13 Sep 2021 20:16

Instrument :
MSVOA_D
ClientSampleId :
A015095

Tgt Ion: 75 Resp: 207246
Ion Ratio Lower Upper
75 100
77 1.2 174.9 524.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.121 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070337.D
Acq: 13 Sep 2021 20:16

Tgt Ion: 75 Resp: 207246
Ion Ratio Lower Upper
75 100
53 0.2 64.2 96.2#
89 0.1 35.6 53.4#

