

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091021\
 Data File : VD070303.D
 Acq On : 10 Sep 2021 16:47
 Operator : VA/SY
 Sample : M3684-04
 Misc : 7.97G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 11 02:27:02 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

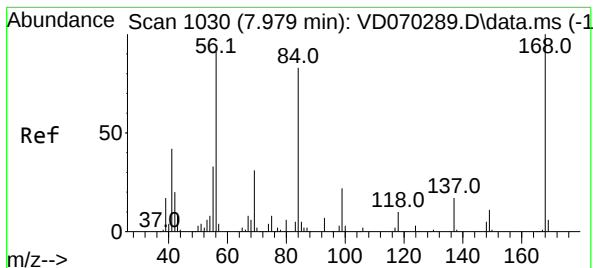
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	255384	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	596058	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	618621	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	226698	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	229804	70.080	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 140.160%	
35) Dibromofluoromethane	7.908	113	238027	56.101	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.200%	
50) Toluene-d8	10.338	98	809958	52.579	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.160%	
62) 4-Bromofluorobenzene	12.626	95	254817	47.331	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 94.660%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.997	85	136	Below Cal	#	43
3) Chloromethane	2.209	50	1223	Below Cal	#	40
5) Bromomethane	2.779	94	2117	Below Cal	#	52
6) Chloroethane	2.920	64	169	Below Cal	#	43
10) Methyl Iodide	4.291	142	370	1.144	ug/l #	39
11) Tert butyl alcohol	5.202	59	375	1.011	ug/l #	100
16) Acetone	4.155	43	3082	5.264	ug/l	92
18) Methyl Acetate	4.973	43	57	Below Cal	#	48
20) Methylene Chloride	4.973	84	8869	Below Cal	#	84
31) Cyclohexane	7.979	56	6573	1.164	ug/l #	1
32) 1,1,1-Trichloroethane	7.902	97	56912	9.968	ug/l	96
36) 1,1-Dichloropropene	7.979	75	23881	3.748	ug/l #	48
38) Carbon Tetrachloride	7.979	117	27796	4.411	ug/l #	18
51) 4-Methyl-2-Pentanone	10.338	43	2866	1.257	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	127803	55.734	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	127803	139.647	ug/l #	18

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

Quant Time: Sep 11 02:27:02 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.000 min

Lab File: VD070303.D

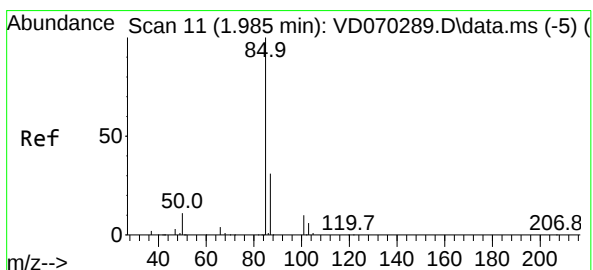
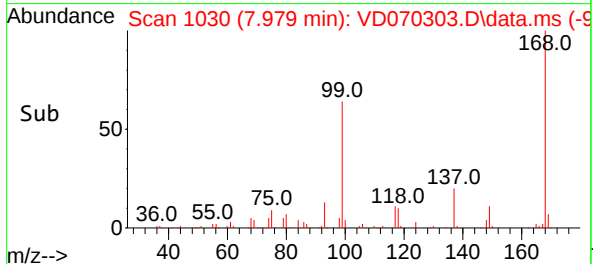
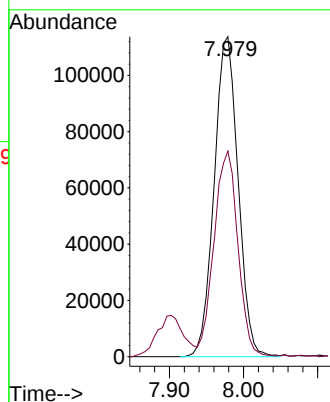
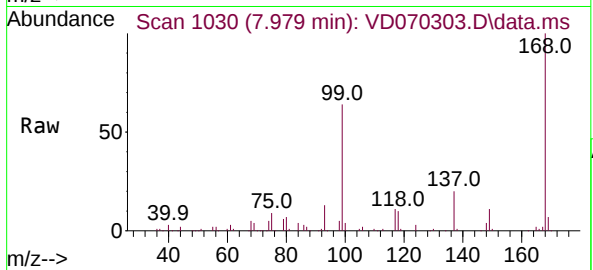
Acq: 10 Sep 2021 16:47

Tgt Ion:168 Resp: 255384

Ion Ratio Lower Upper

168 100

99 63.9 50.8 76.2



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.997 min Scan# 13

Delta R.T. 0.012 min

Lab File: VD070303.D

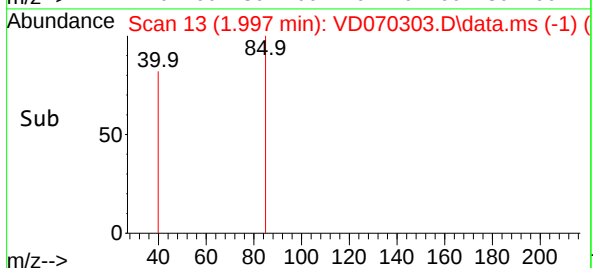
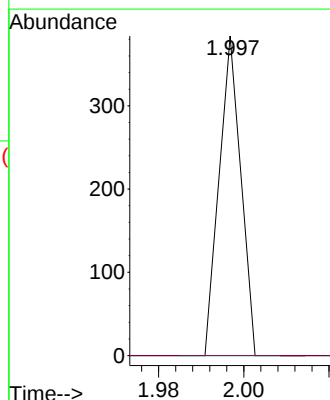
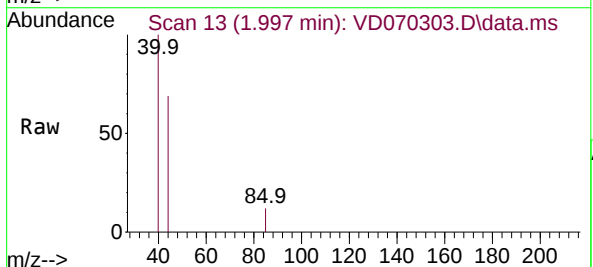
Acq: 10 Sep 2021 16:47

Tgt Ion: 85 Resp: 136

Ion Ratio Lower Upper

85 100

87 0.0 15.6 46.8#

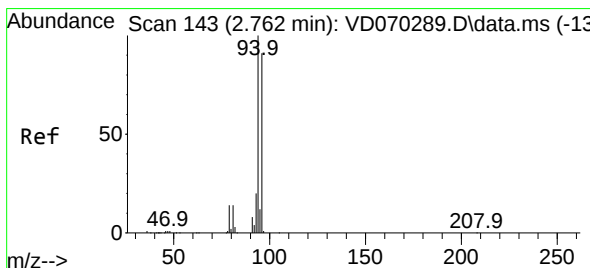
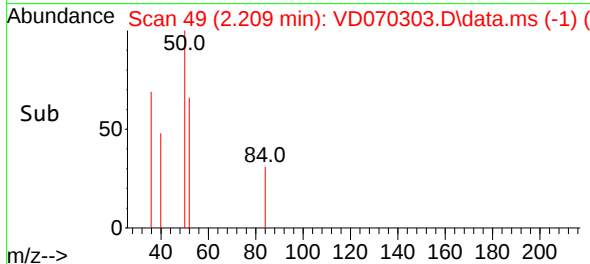
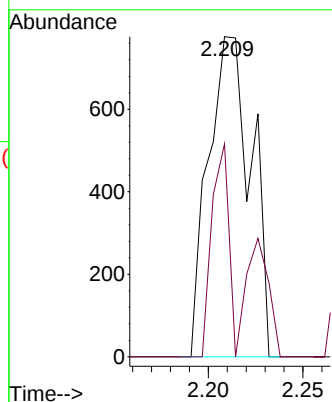
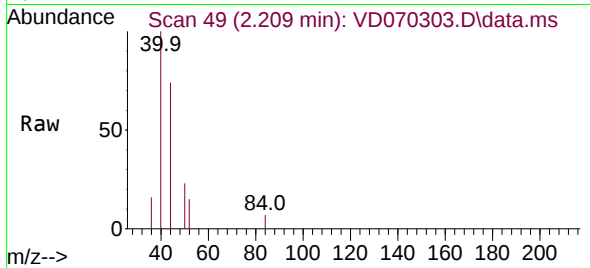




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070303.D
Acq: 10 Sep 2021 16:47

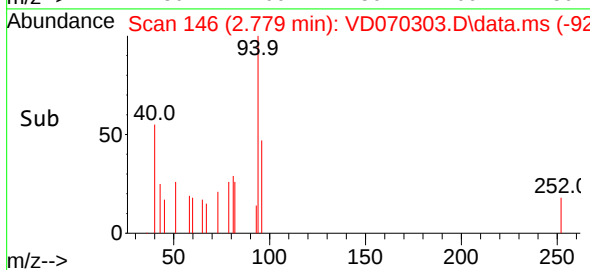
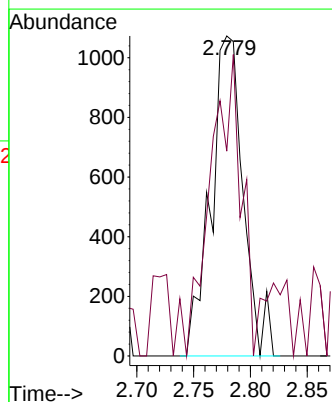
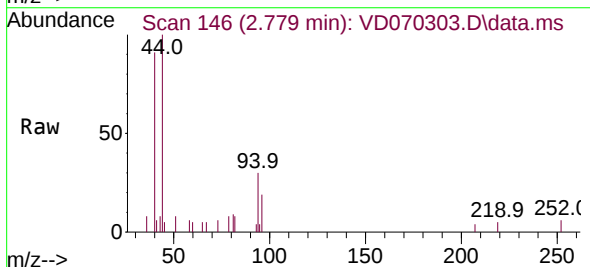
Instrument :
MSVOA_D
ClientSampled :

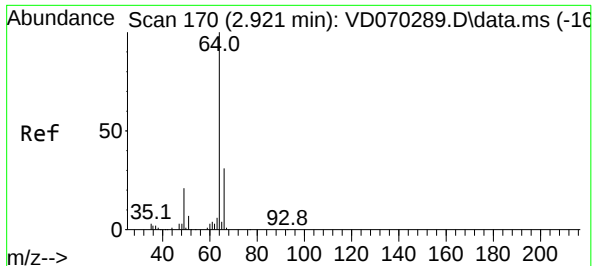
Tgt Ion: 50 Resp: 1223
Ion Ratio Lower Upper
50 100
52 66.5 26.2 39.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070303.D
Acq: 10 Sep 2021 16:47

Tgt Ion: 94 Resp: 2117
Ion Ratio Lower Upper
94 100
96 46.1 73.0 109.6#

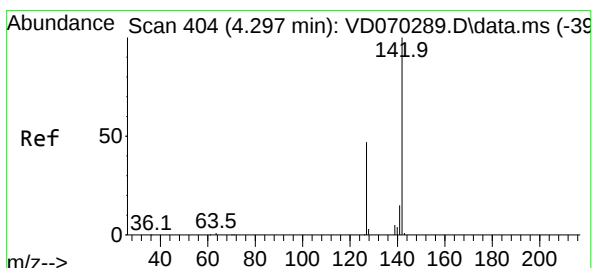
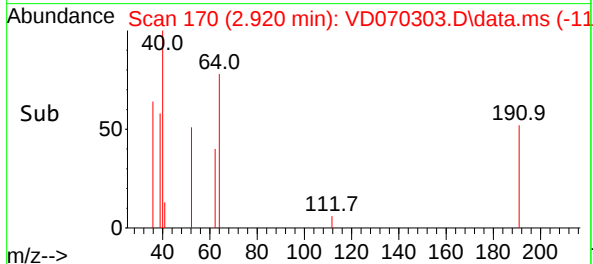
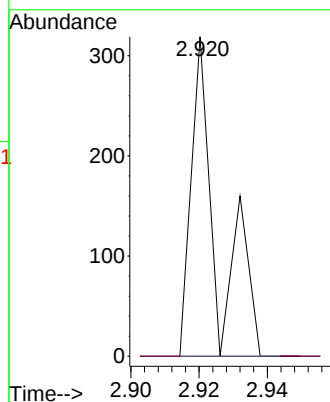
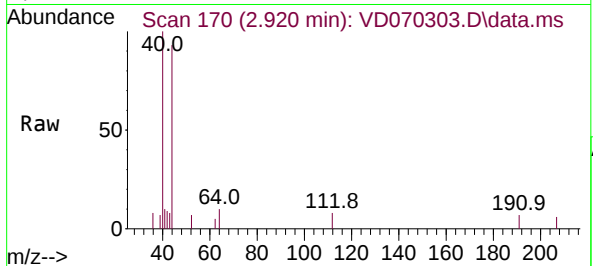




#6
Chloroethane
Concen: Below Cal
RT: 2.920 min Scan# 170
Delta R.T. -0.001 min
Lab File: VD070303.D
Acq: 10 Sep 2021 16:47

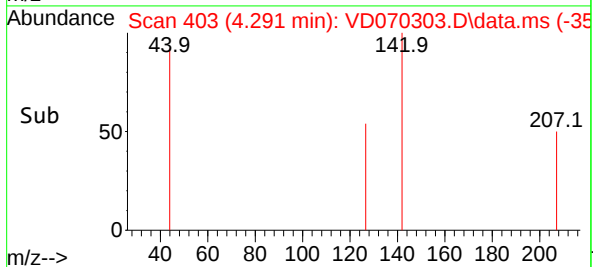
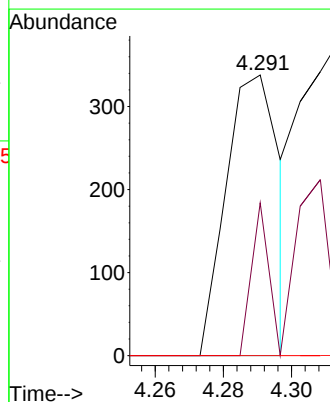
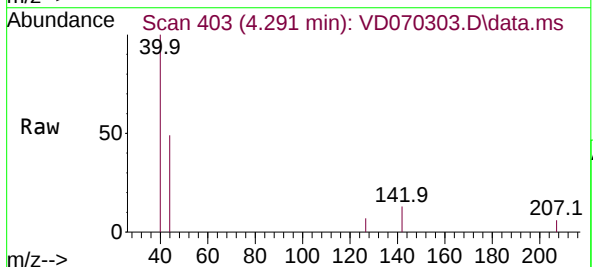
Instrument :
MSVOA_D
ClientSampled :

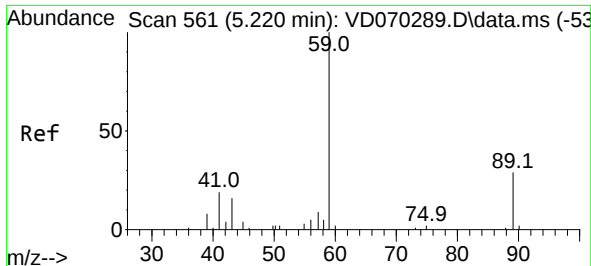
Tgt Ion: 64 Resp: 169
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#10
Methyl Iodide
Concen: 1.144 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD070303.D
Acq: 10 Sep 2021 16:47

Tgt Ion:142 Resp: 370
Ion Ratio Lower Upper
142 100
127 0.0 36.9 55.3#
141 0.0 11.8 17.6#

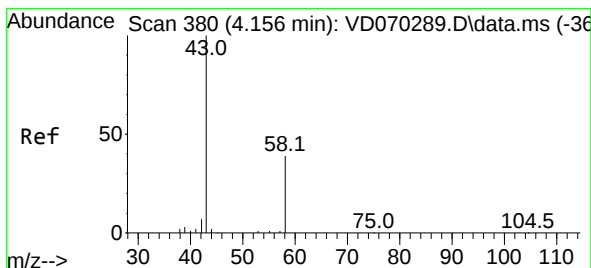
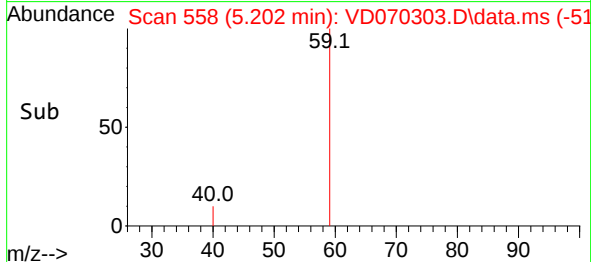
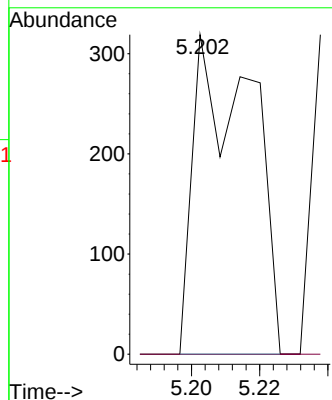
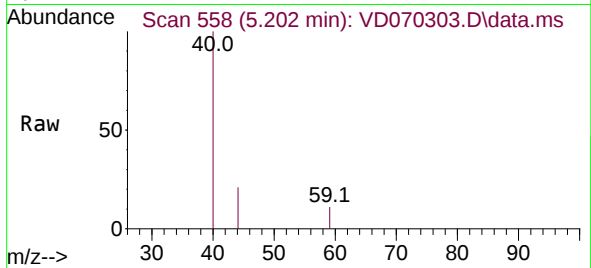




#11
Tert butyl alcohol
Concen: 1.011 ug/l
RT: 5.202 min Scan# 558
Delta R.T. -0.018 min
Lab File: VD070303.D
Acq: 10 Sep 2021 16:47

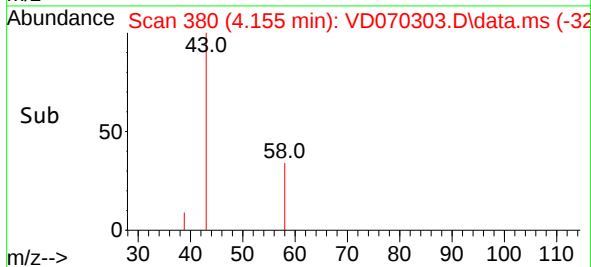
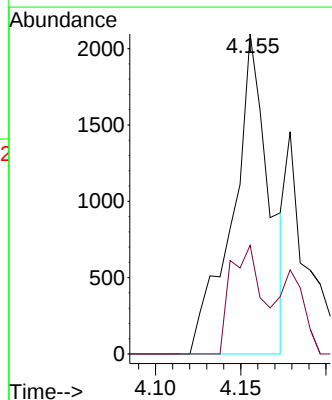
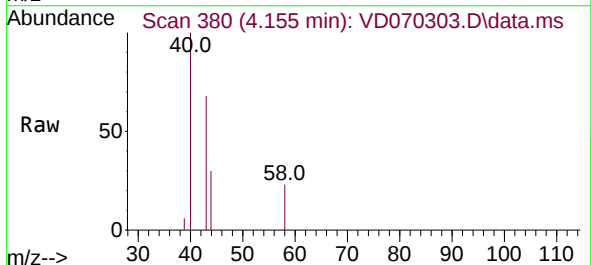
Instrument :
MSVOA_D
ClientSampled :

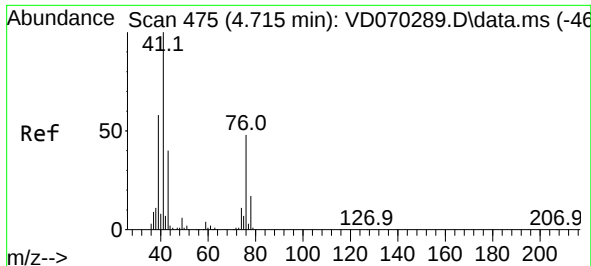
Tgt Ion: 59 Resp: 375
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#16
Acetone
Concen: 5.264 ug/l
RT: 4.155 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070303.D
Acq: 10 Sep 2021 16:47

Tgt Ion: 43 Resp: 3082
Ion Ratio Lower Upper
43 100
58 34.0 30.9 46.3

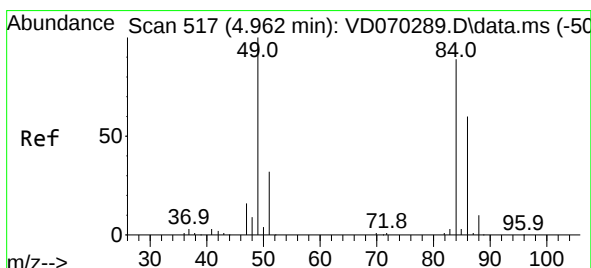
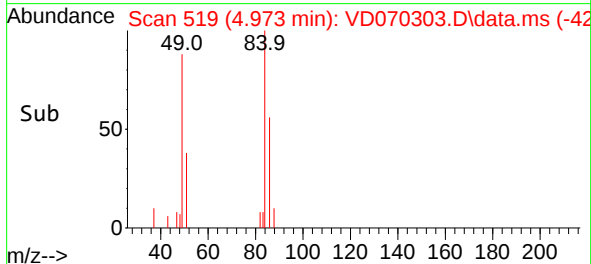
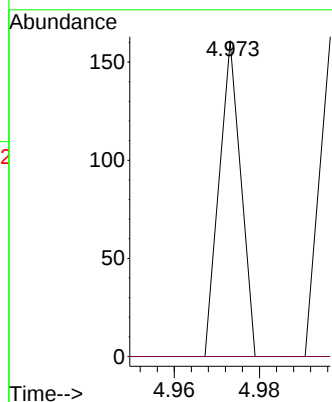
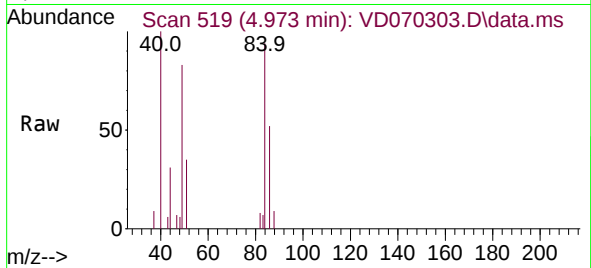




#18
Methyl Acetate
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.258 min
Lab File: VD070303.D
Acq: 10 Sep 2021 16:47

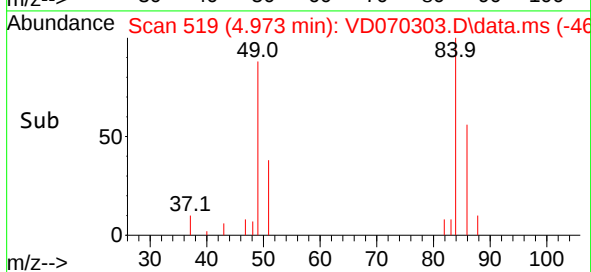
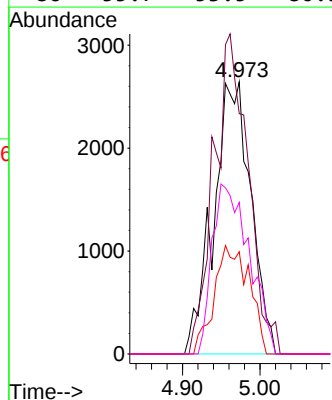
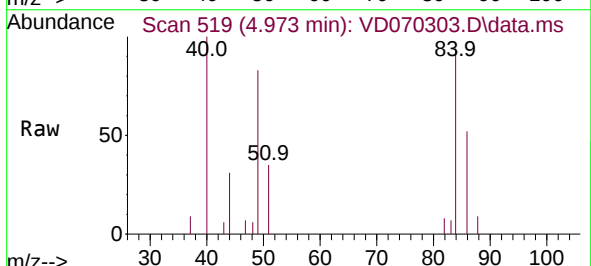
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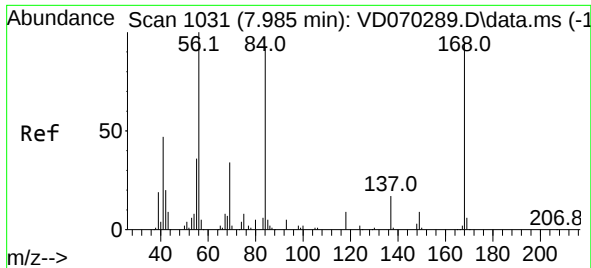
Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.011 min
Lab File: VD070303.D
Acq: 10 Sep 2021 16:47

Tgt Ion: 84 Resp: 8869
Ion Ratio Lower Upper
84 100
49 88.3 89.6 134.4#
51 37.6 28.6 43.0
86 55.7 53.5 80.3

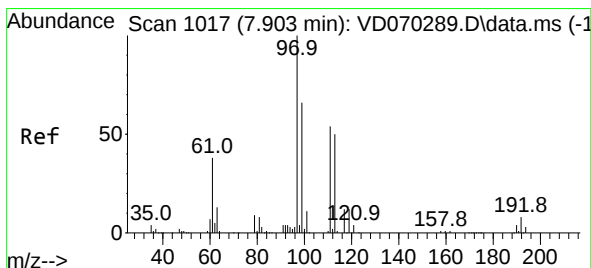
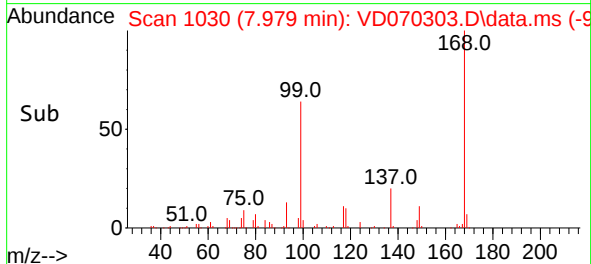
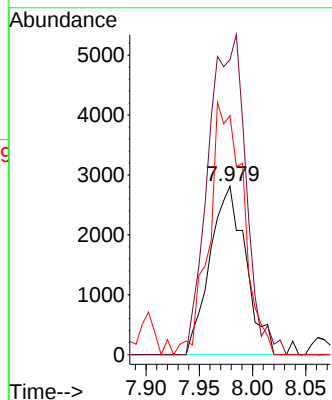
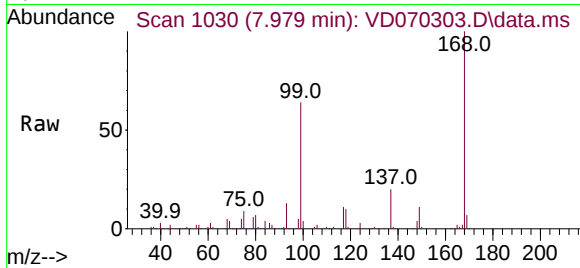




#31
Cyclohexane
Concen: 1.164 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070303.D
Acq: 10 Sep 2021 16:47

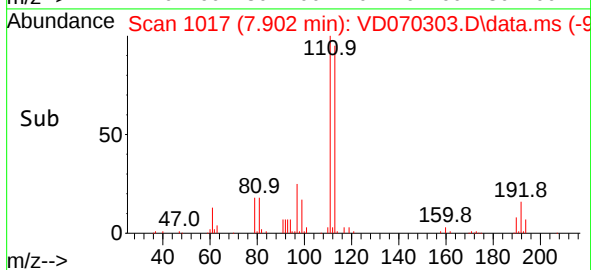
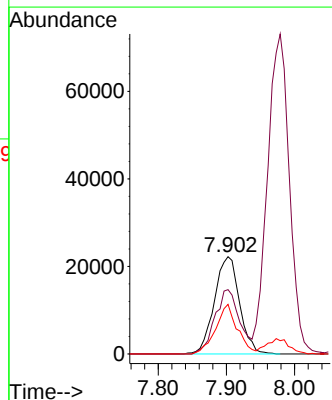
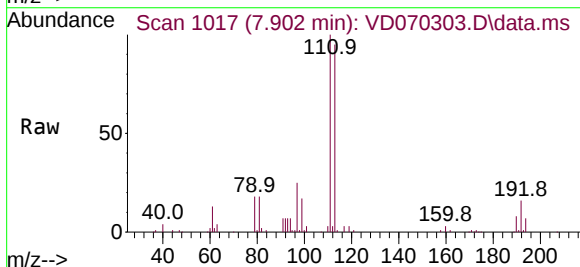
Instrument :
MSVOA_D
ClientSampled :

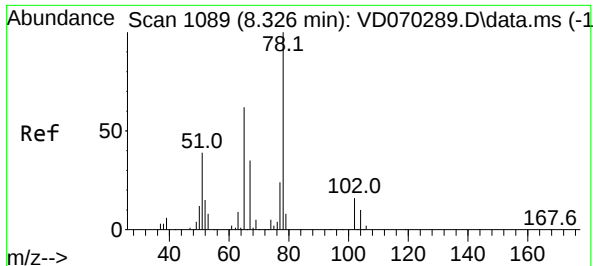
Tgt Ion: 56 Resp: 6573
Ion Ratio Lower Upper
56 100
69 175.0 26.9 40.3#
84 141.9 73.6 110.4#



#32
1,1,1-Trichloroethane
Concen: 9.968 ug/l
RT: 7.902 min Scan# 1017
Delta R.T. -0.000 min
Lab File: VD070303.D
Acq: 10 Sep 2021 16:47

Tgt Ion: 97 Resp: 56912
Ion Ratio Lower Upper
97 100
99 65.5 51.1 76.7
61 44.2 31.4 47.0

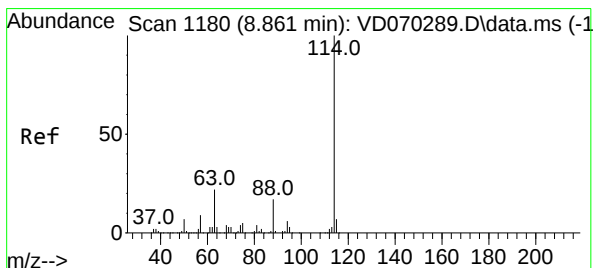
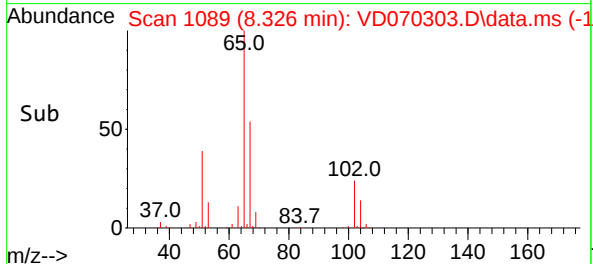
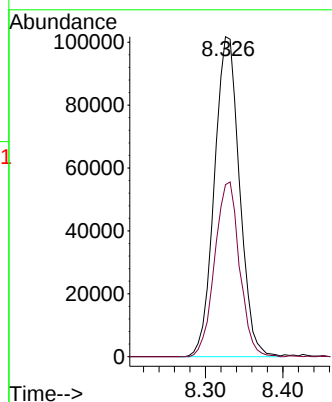
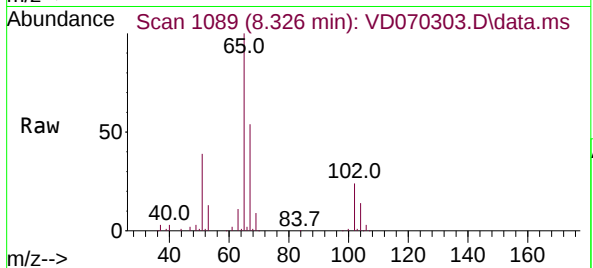




#33
1,2-Dichloroethane-d4
Concen: 70.080 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070303.D
Acq: 10 Sep 2021 16:47

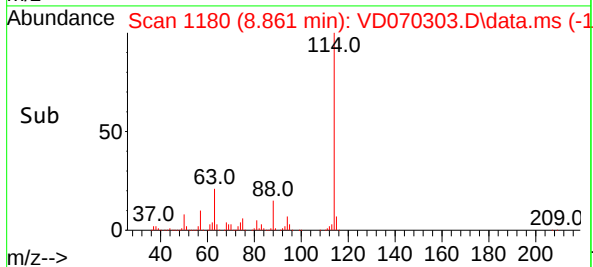
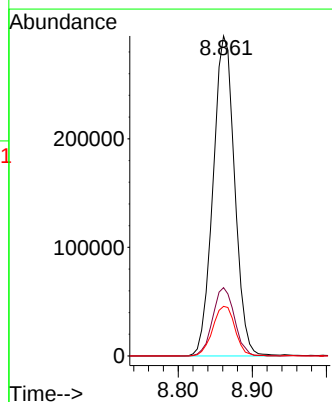
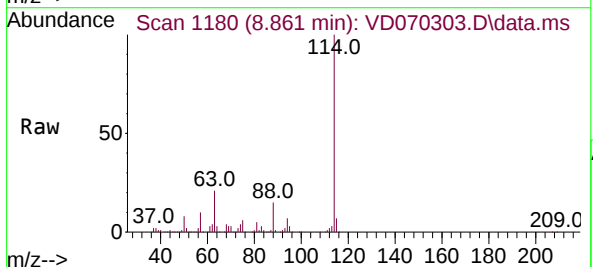
Instrument :
MSVOA_D
ClientSampled :

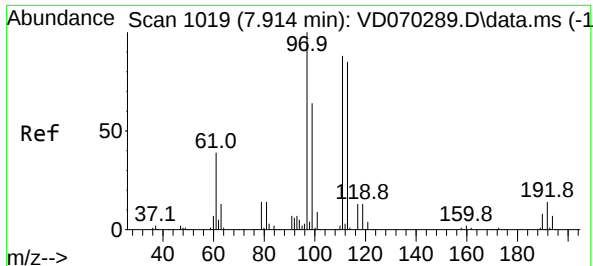
Tgt Ion: 65 Resp: 229804
Ion Ratio Lower Upper
65 100
67 53.9 0.0 111.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070303.D
Acq: 10 Sep 2021 16:47

Tgt Ion:114 Resp: 596058
Ion Ratio Lower Upper
114 100
63 21.4 0.0 43.4
88 15.5 0.0 33.4





#35

Dibromofluoromethane

Concen: 56.101 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070303.D

Acq: 10 Sep 2021 16:47

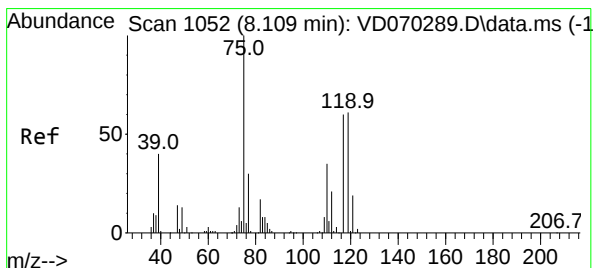
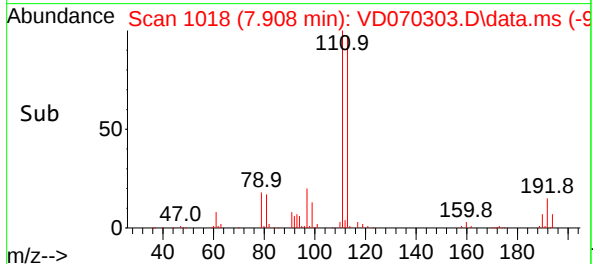
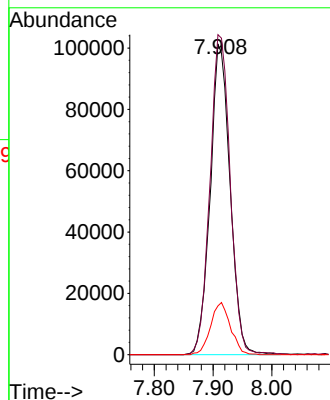
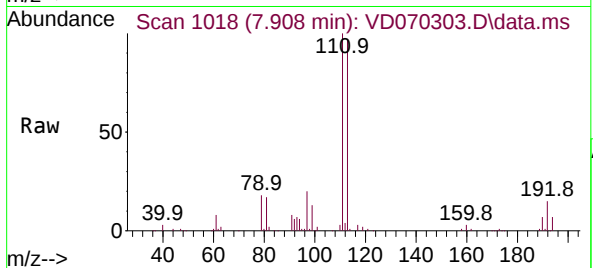
Tgt Ion: 113 Resp: 238027

Ion Ratio Lower Upper

113 100

111 104.3 81.4 122.2

192 16.8 13.0 19.6



#36

1,1-Dichloropropene

Concen: 3.748 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.130 min

Lab File: VD070303.D

Acq: 10 Sep 2021 16:47

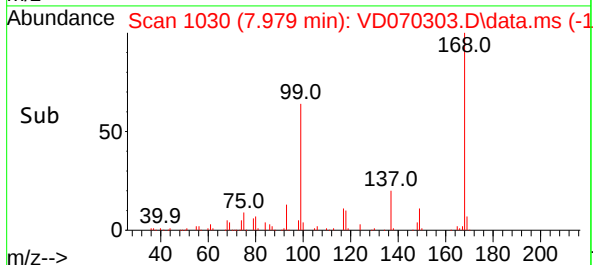
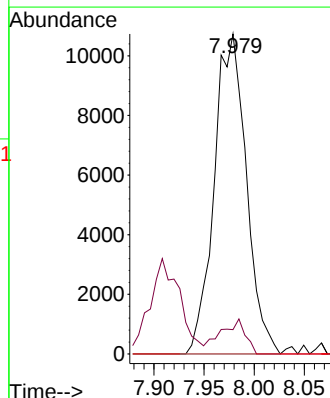
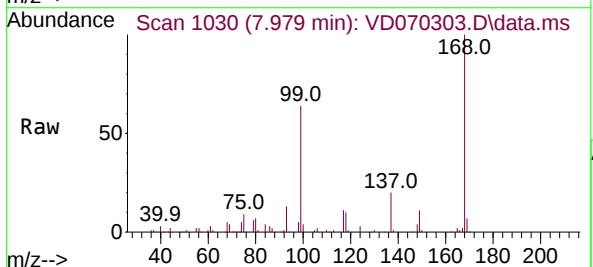
Tgt Ion: 75 Resp: 23881

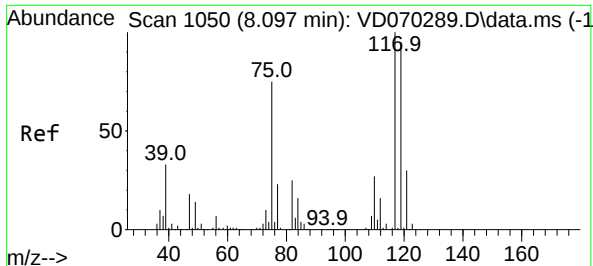
Ion Ratio Lower Upper

75 100

110 8.4 17.9 53.7#

77 0.0 25.3 37.9#

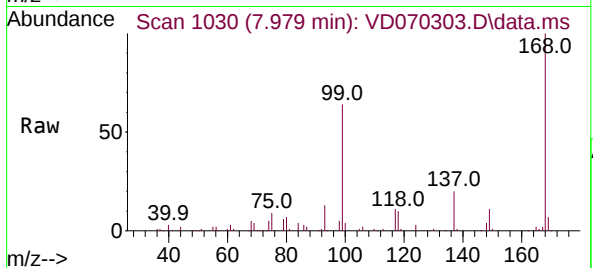




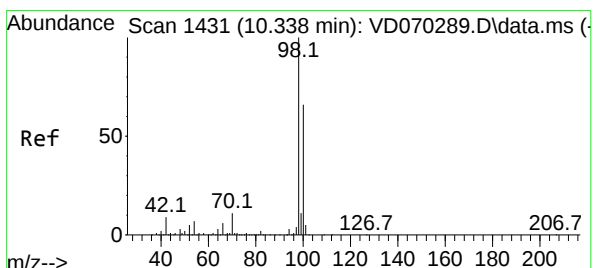
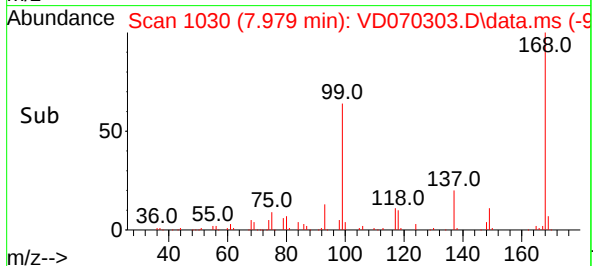
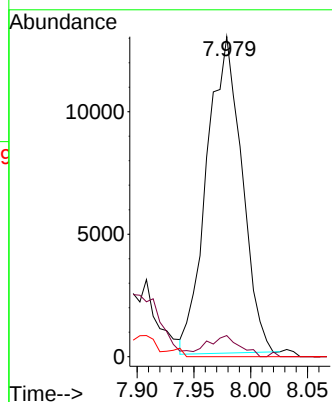
#38

Carbon Tetrachloride
Concen: 4.411 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070303.D
Acq: 10 Sep 2021 16:47

Instrument :
MSVOA_D
ClientSampled :



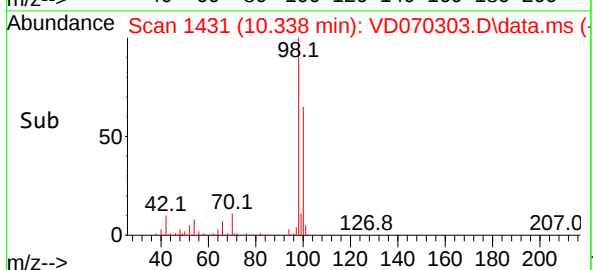
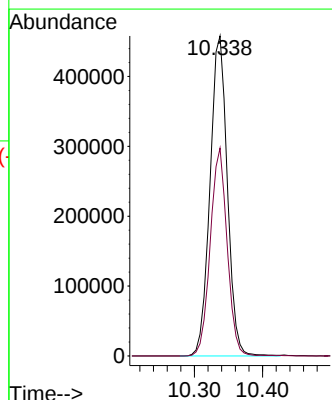
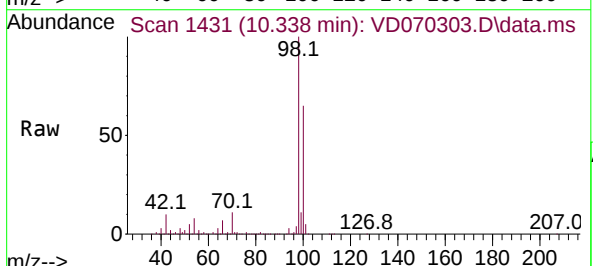
Tgt Ion:117 Resp: 27796
Ion Ratio Lower Upper
117 100
119 6.7 76.1 114.1#
121 0.0 23.8 35.6#

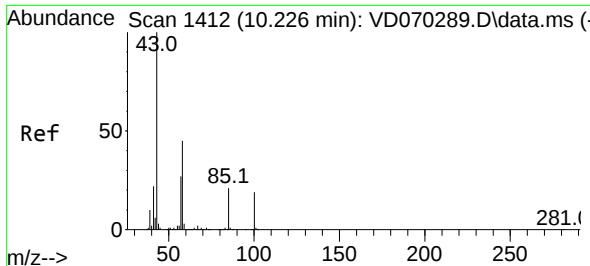


#50

Toluene-d8
Concen: 52.579 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070303.D
Acq: 10 Sep 2021 16:47

Tgt Ion: 98 Resp: 809958
Ion Ratio Lower Upper
98 100
100 63.3 52.0 78.0

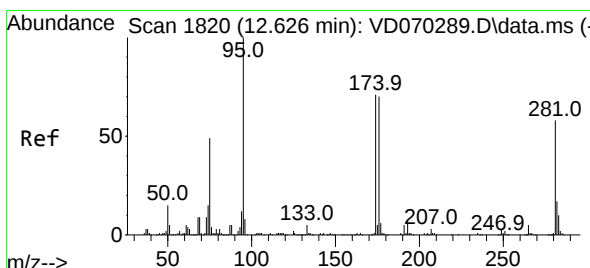
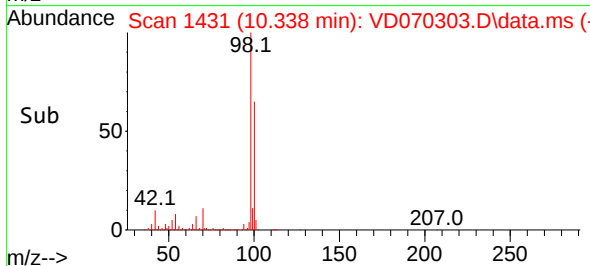
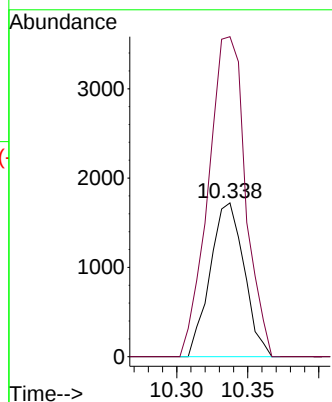
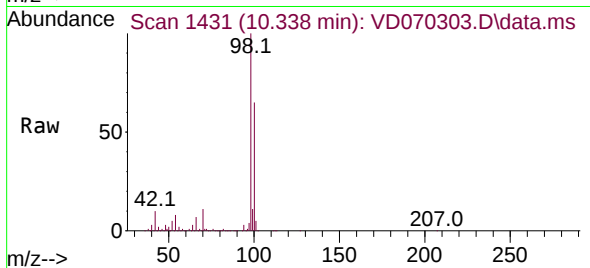




#51
4-Methyl-2-Pentanone
Concen: 1.257 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.111 min
Lab File: VD070303.D
Acq: 10 Sep 2021 16:47

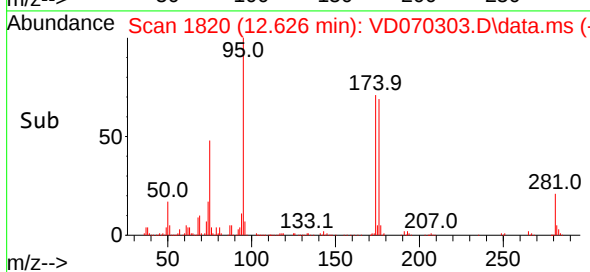
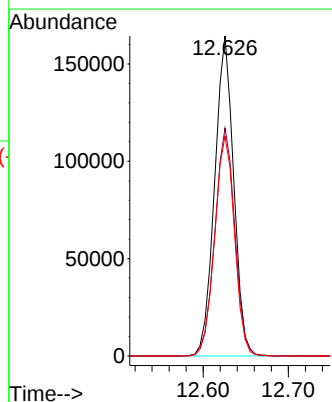
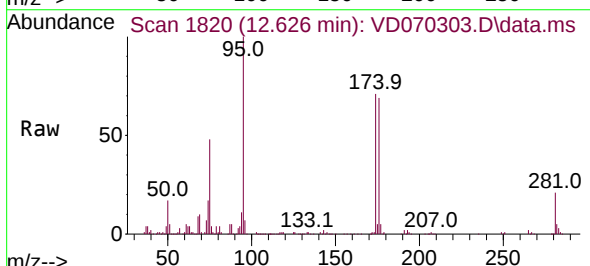
Instrument :
MSVOA_D
ClientSampled :

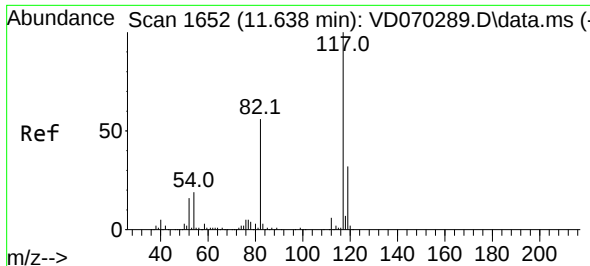
Tgt Ion: 43 Resp: 2866
Ion Ratio Lower Upper
43 100
58 227.6 35.4 53.2#



#62
4-Bromofluorobenzene
Concen: 47.331 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070303.D
Acq: 10 Sep 2021 16:47

Tgt Ion: 95 Resp: 254817
Ion Ratio Lower Upper
95 100
174 74.6 0.0 140.6
176 71.3 0.0 137.4

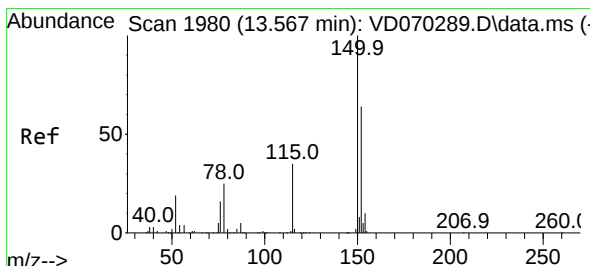
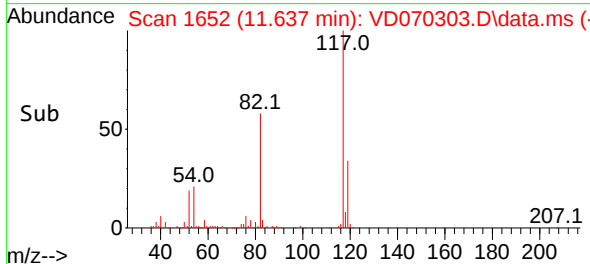
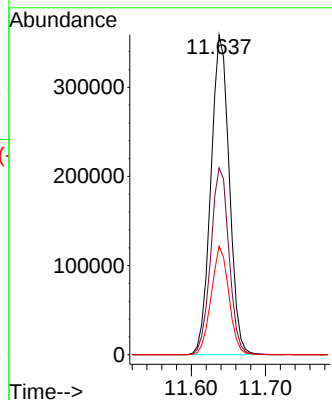
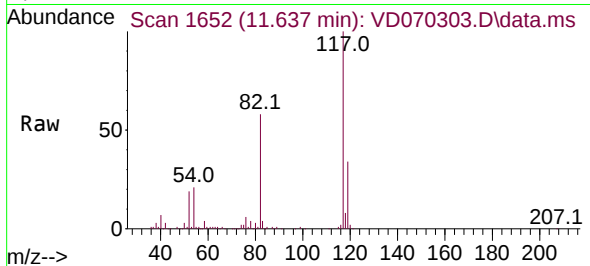




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070303.D
Acq: 10 Sep 2021 16:47

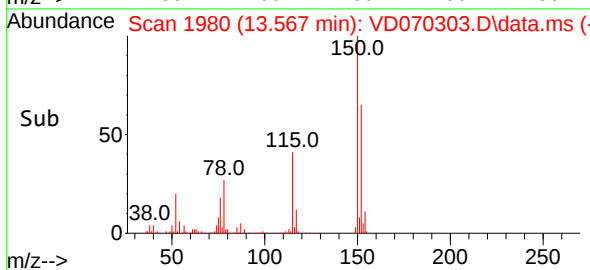
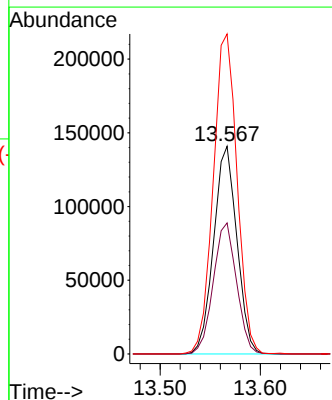
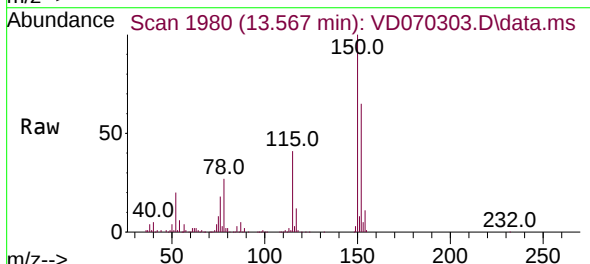
Instrument :
MSVOA_D
ClientSampleId :

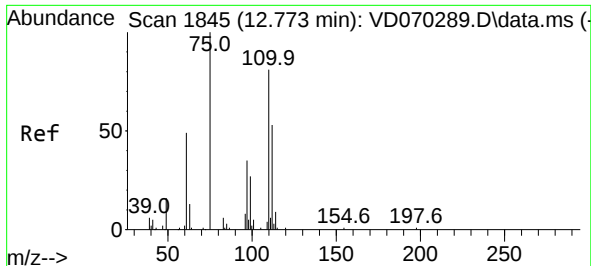
Tgt Ion:	117	Resp:	618621
Ion	Ratio	Lower	Upper
117	100		
82	58.4	45.0	67.4
119	33.9	25.2	37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070303.D
Acq: 10 Sep 2021 16:47

Tgt Ion:	152	Resp:	226698
Ion	Ratio	Lower	Upper
152	100		
115	63.3	32.1	96.3
150	157.8	0.0	350.6

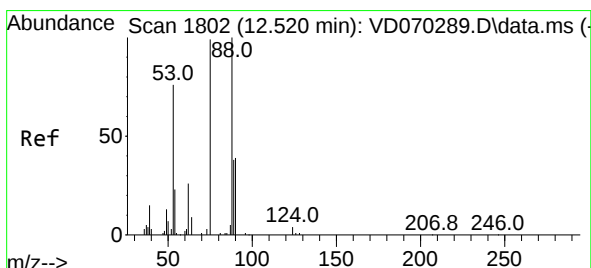
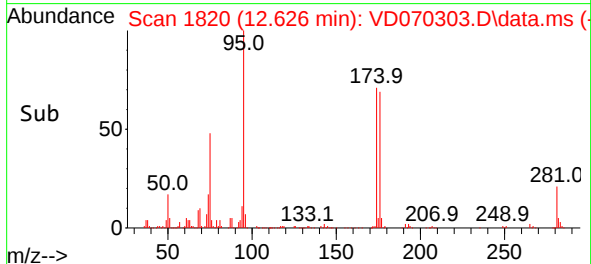
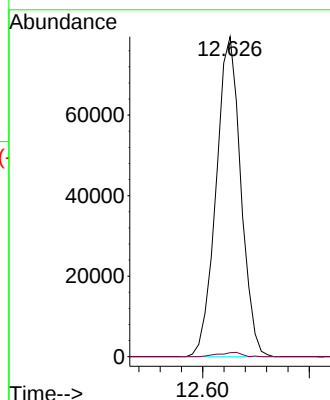
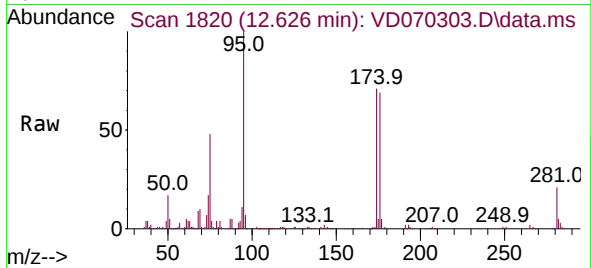




#76
1,2,3-Trichloropropane
Concen: 55.734 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070303.D
Acq: 10 Sep 2021 16:47

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 127803
Ion Ratio Lower Upper
75 100
77 1.3 174.9 524.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 139.647 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070303.D
Acq: 10 Sep 2021 16:47

Tgt Ion: 75 Resp: 127803
Ion Ratio Lower Upper
75 100
53 0.3 64.2 96.2#
89 0.3 35.6 53.4#

