

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091521\
 Data File : VD070372.D
 Acq On : 15 Sep 2021 12:26
 Operator : VA/SY
 Sample : M3720-01RE
 Misc : 5.85G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 16 02:39:57 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)

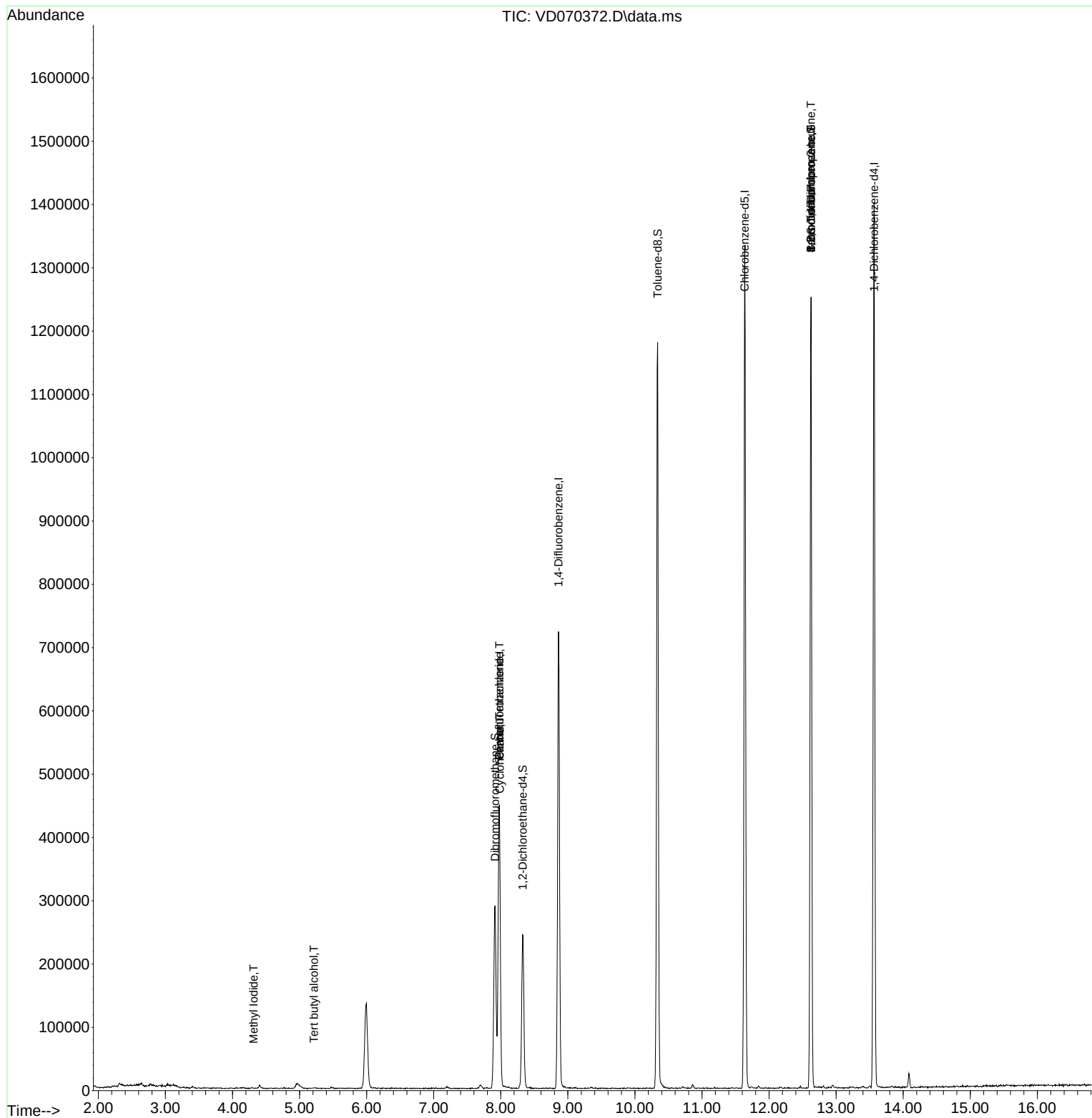
Internal Standards						
1) Pentafluorobenzene	7.979	168	314896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	604097	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	768734	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	372624	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	196109	48.502	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.000%		
35) Dibromofluoromethane	7.914	113	215384	50.089	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.180%		
50) Toluene-d8	10.338	98	813660	52.116	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	104.240%		
62) 4-Bromofluorobenzene	12.626	95	373171	68.392	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	136.780%		
Target Compounds						
2) Dichlorodifluoromethane	1.991	85	667	Below Cal	#	43
3) Chloromethane	2.209	50	1084	Below Cal	#	87
5) Bromomethane	2.773	94	2140	Below Cal	#	62
6) Chloroethane	2.920	64	528	Below Cal	#	43
10) Methyl Iodide	4.314	142	873	1.248 ug/l	#	47
11) Tert butyl alcohol	5.214	59	482	1.054 ug/l	#	100
18) Methyl Acetate	4.720	43	60	Below Cal	#	48
20) Methylene Chloride	4.950	84	6005	Below Cal	#	84
31) Cyclohexane	7.985	56	8210	1.179 ug/l	#	22
38) Carbon Tetrachloride	7.979	117	34697	5.433 ug/l	#	17
71) Bromoform	12.626	173	3739	1.297 ug/l	#	1
76) 1,2,3-Trichloropropane	12.626	75	185412	49.192 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.626	75	185412	123.255 ug/l	#	18

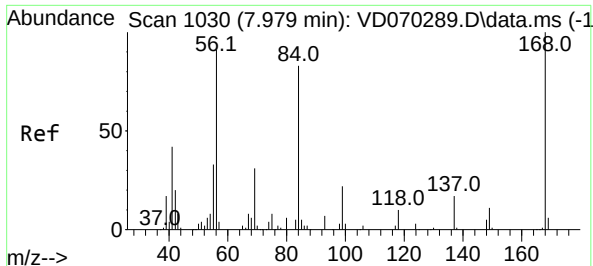
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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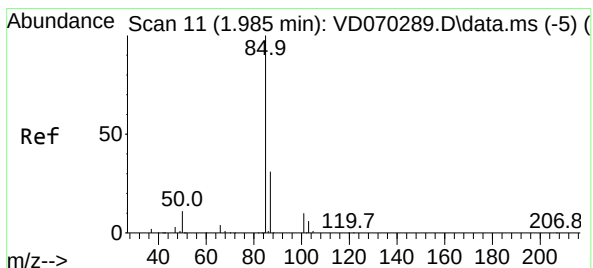
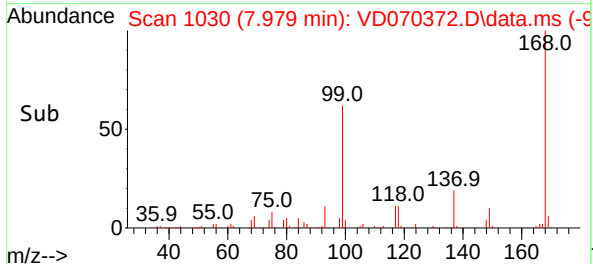
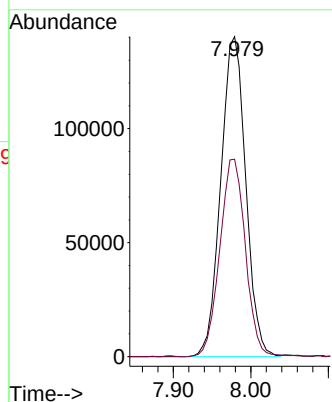
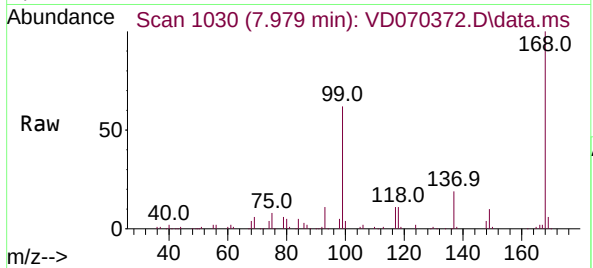




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070372.D
Acq: 15 Sep 2021 12:26

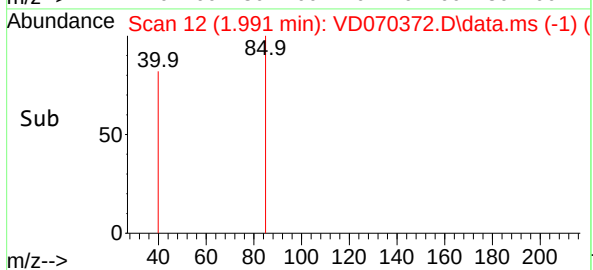
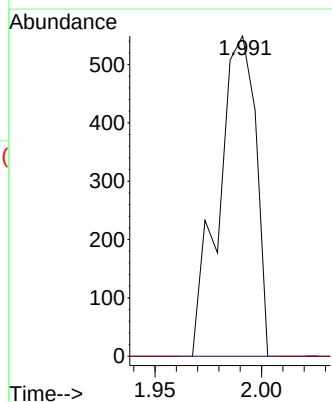
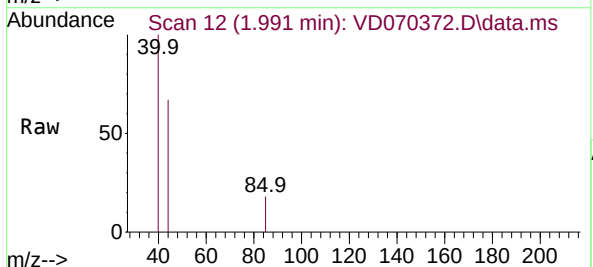
Instrument :
MSVOA_D
ClientSampleId :

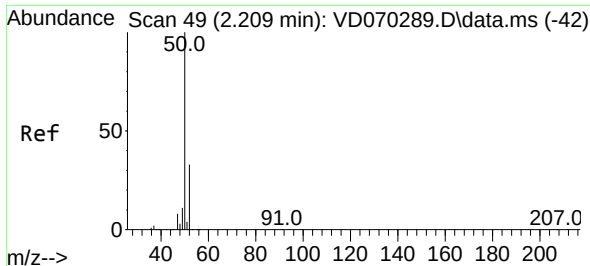
Tgt Ion:168 Resp: 314896
Ion Ratio Lower Upper
168 100
99 61.7 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD070372.D
Acq: 15 Sep 2021 12:26

Tgt Ion: 85 Resp: 667
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

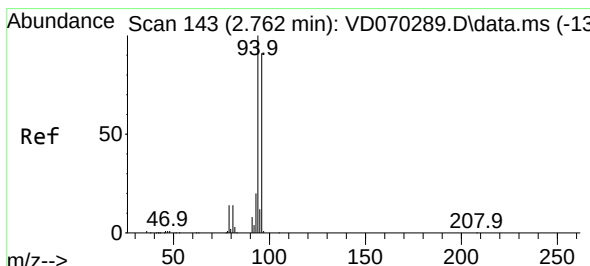
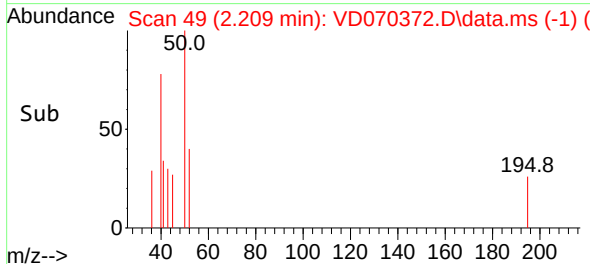
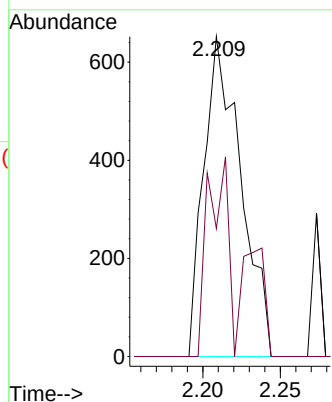
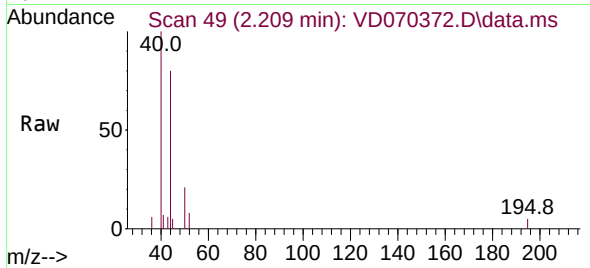




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070372.D
Acq: 15 Sep 2021 12:26

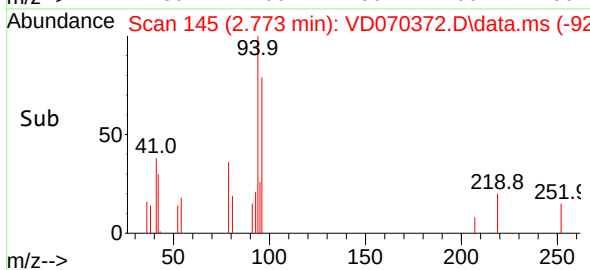
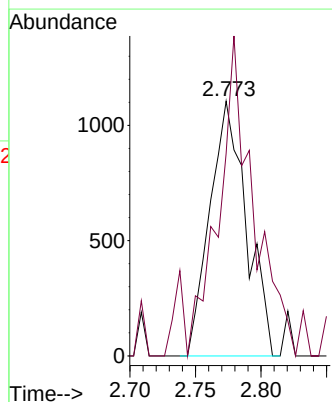
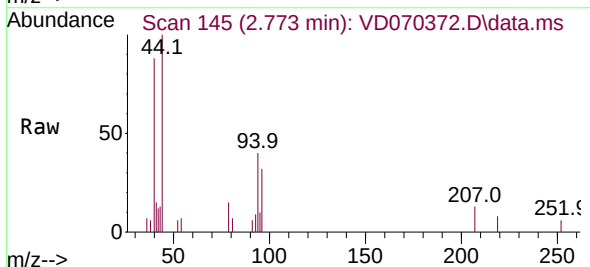
Instrument :
MSVOA_D
ClientSampled :

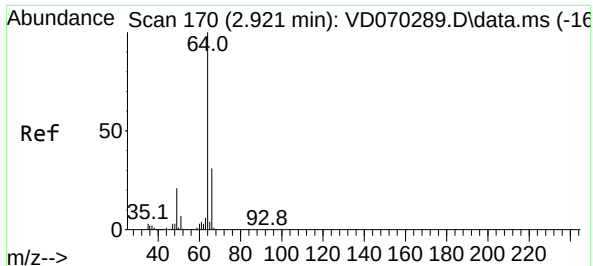
Tgt Ion: 50 Resp: 1084
Ion Ratio Lower Upper
50 100
52 40.0 26.2 39.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD070372.D
Acq: 15 Sep 2021 12:26

Tgt Ion: 94 Resp: 2140
Ion Ratio Lower Upper
94 100
96 55.6 73.0 109.6#

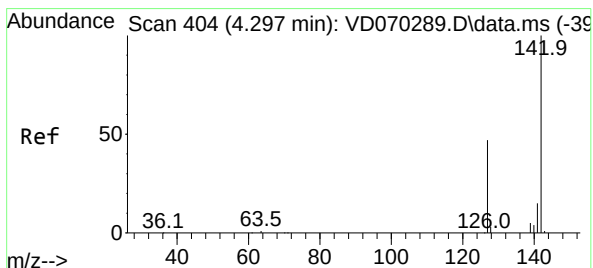
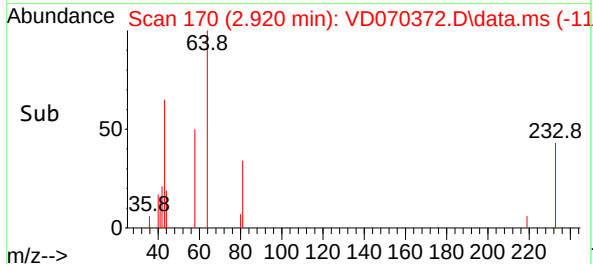
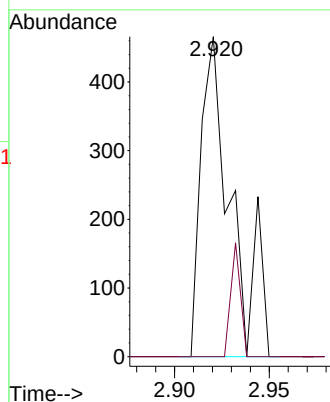
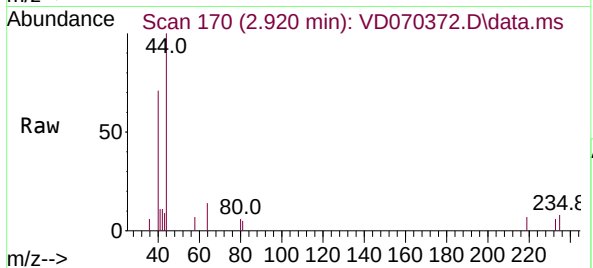




#6
Chloroethane
Concen: Below Cal
RT: 2.920 min Scan# 170
Delta R.T. -0.001 min
Lab File: VD070372.D
Acq: 15 Sep 2021 12:26

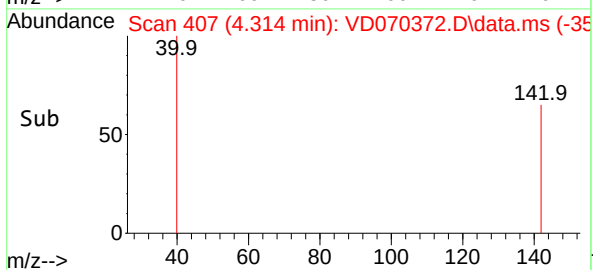
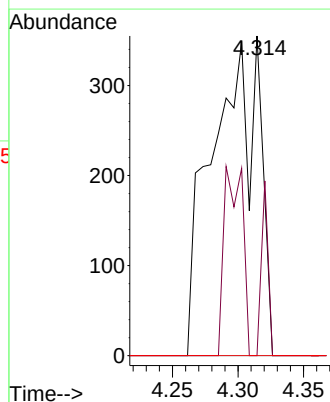
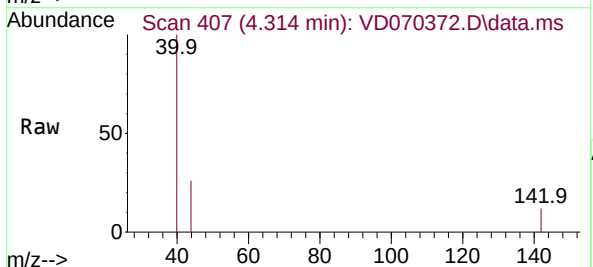
Instrument :
MSVOA_D
ClientSampled :

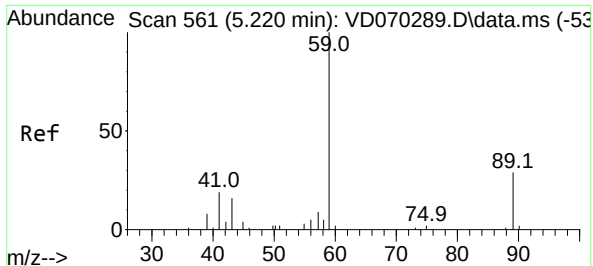
Tgt Ion: 64 Resp: 528
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#10
Methyl Iodide
Concen: 1.248 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.018 min
Lab File: VD070372.D
Acq: 15 Sep 2021 12:26

Tgt Ion: 142 Resp: 873
Ion Ratio Lower Upper
142 100
127 7.8 36.9 55.3#
141 0.0 11.8 17.6#

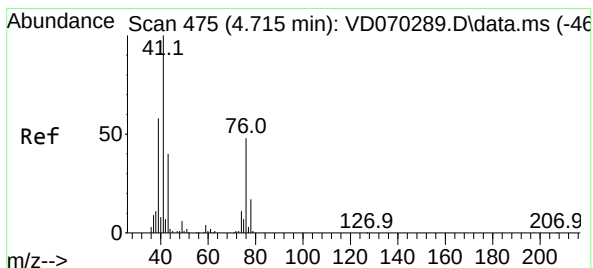
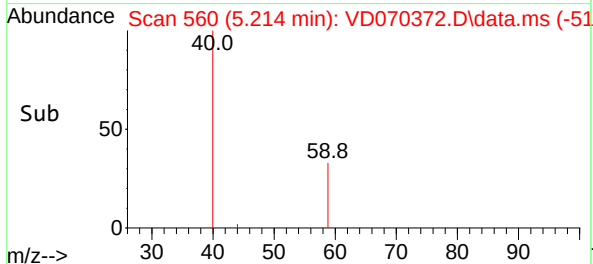
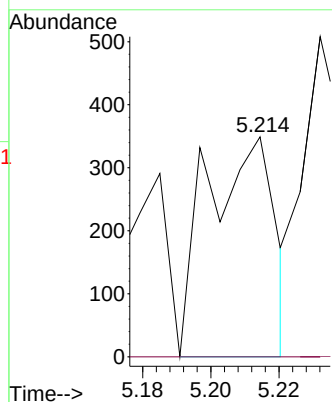
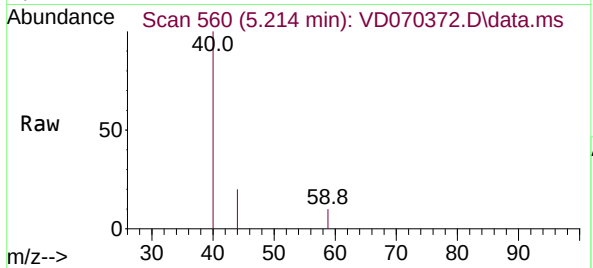




#11
Tert butyl alcohol
Concen: 1.054 ug/l
RT: 5.214 min Scan# 560
Delta R.T. -0.006 min
Lab File: VD070372.D
Acq: 15 Sep 2021 12:26

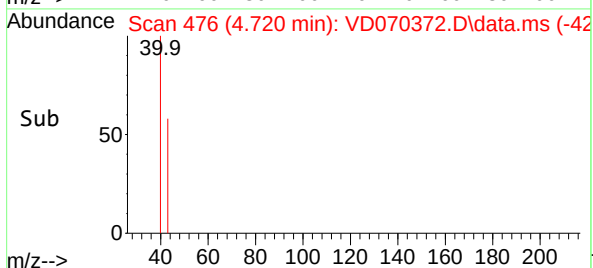
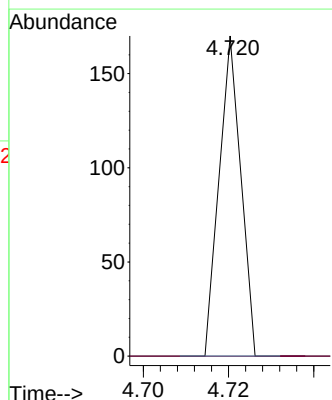
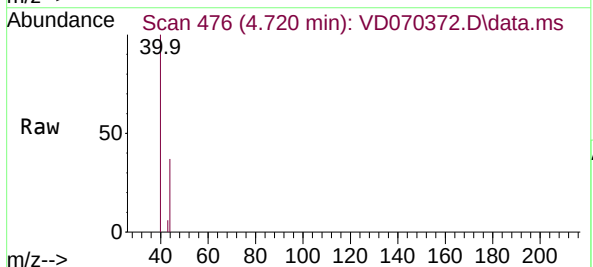
Instrument :
MSVOA_D
ClientSampled :

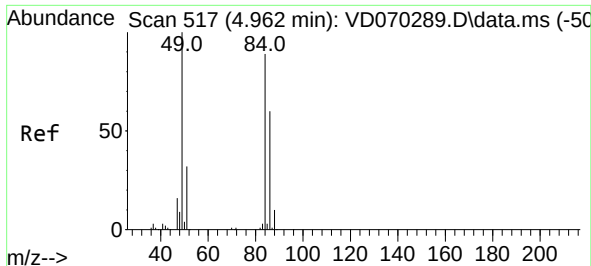
Tgt Ion: 59 Resp: 482
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.720 min Scan# 476
Delta R.T. 0.005 min
Lab File: VD070372.D
Acq: 15 Sep 2021 12:26

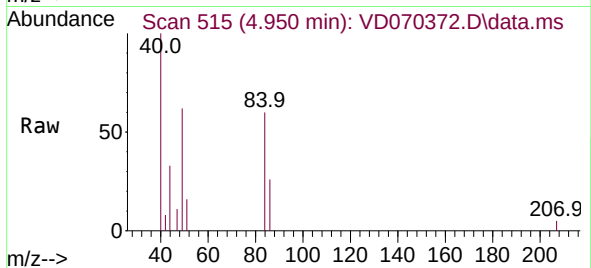
Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



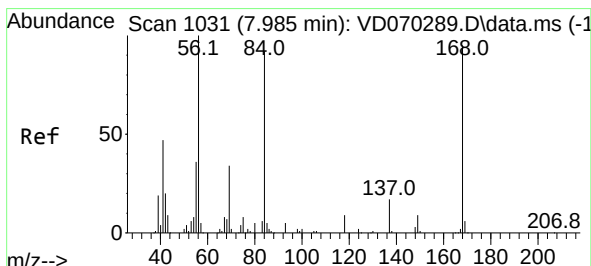
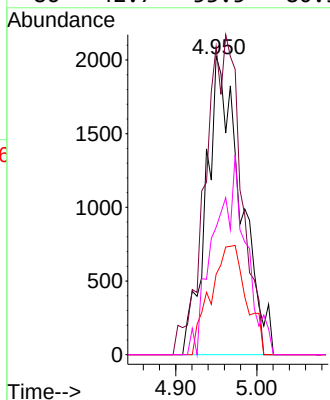
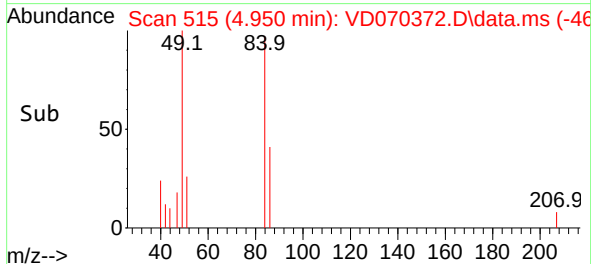


#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 515
Delta R.T. -0.012 min
Lab File: VD070372.D
Acq: 15 Sep 2021 12:26

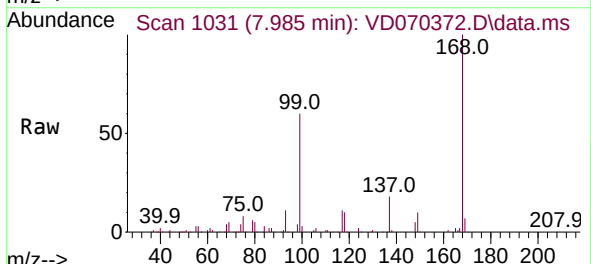
Instrument :
MSVOA_D
ClientSampleId :



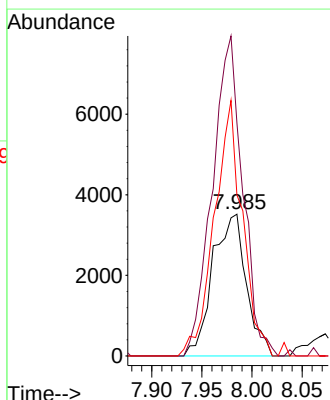
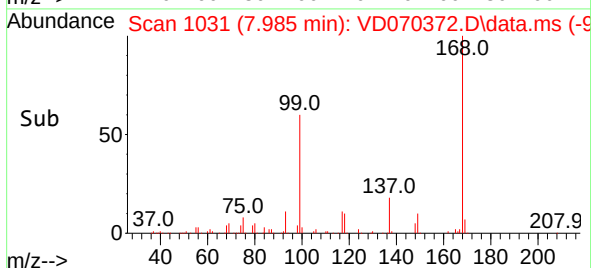
Tgt Ion:	84	Resp:	6005
Ion	Ratio	Lower	Upper
84	100		
49	103.2	89.6	134.4
51	26.9	28.6	43.0#
86	42.7	53.5	80.3#

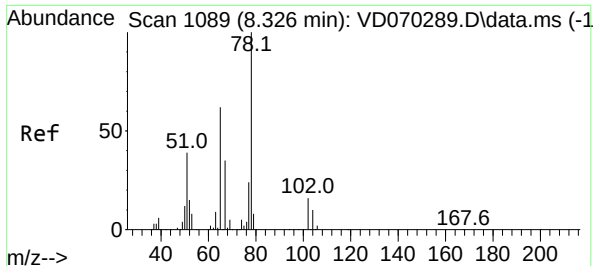


#31
Cyclohexane
Concen: 1.179 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD070372.D
Acq: 15 Sep 2021 12:26



Tgt Ion:	56	Resp:	8210
Ion	Ratio	Lower	Upper
56	100		
69	164.5	26.9	40.3#
84	113.6	73.6	110.4#



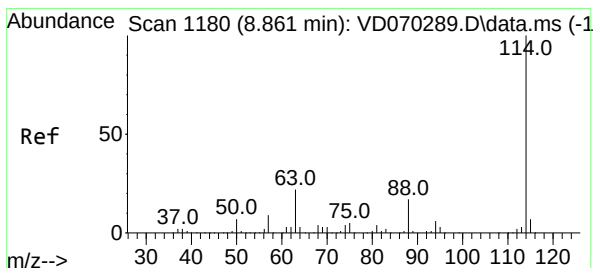
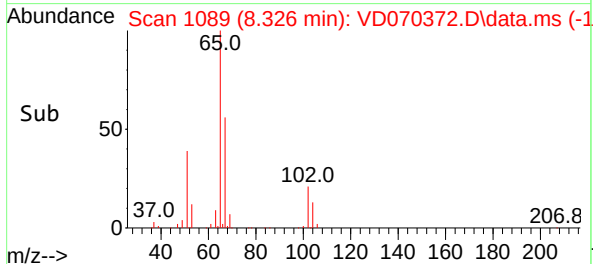
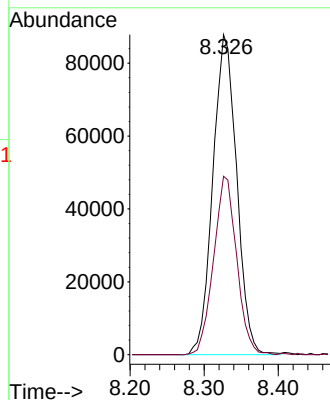
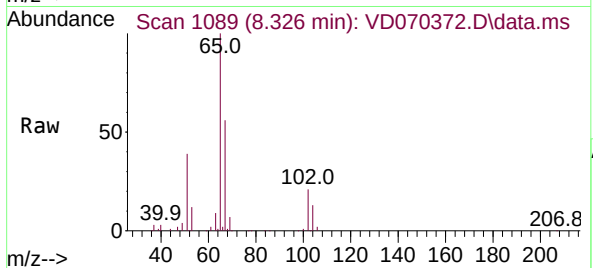


#33

1,2-Dichloroethane-d4
Concen: 48.502 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070372.D
Acq: 15 Sep 2021 12:26

Instrument :
MSVOA_D
ClientSampleId :

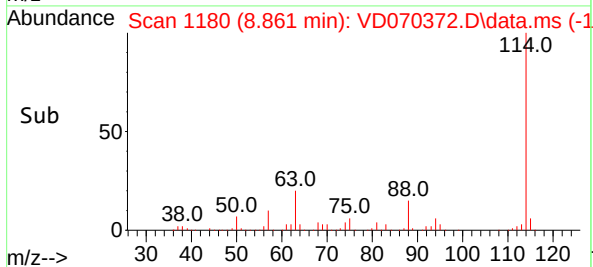
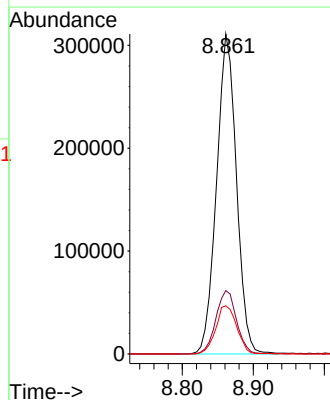
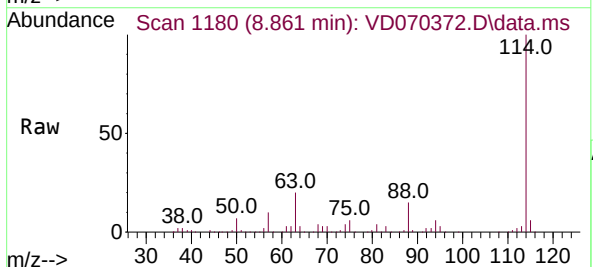
Tgt Ion: 65 Resp: 196109
Ion Ratio Lower Upper
65 100
67 54.0 0.0 111.4

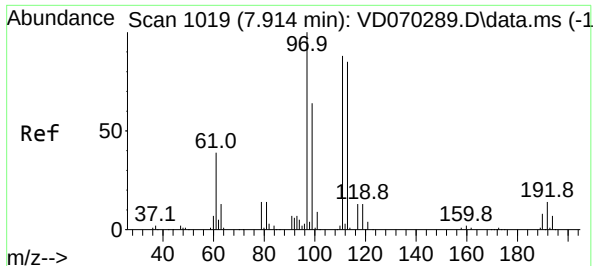


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070372.D
Acq: 15 Sep 2021 12:26

Tgt Ion: 114 Resp: 604097
Ion Ratio Lower Upper
114 100
63 19.8 0.0 43.4
88 15.1 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.089 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070372.D

Acq: 15 Sep 2021 12:26

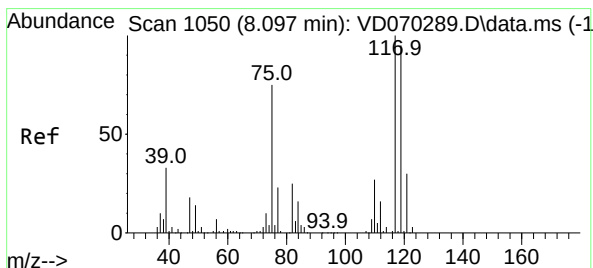
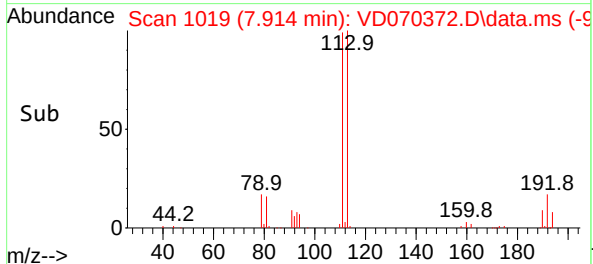
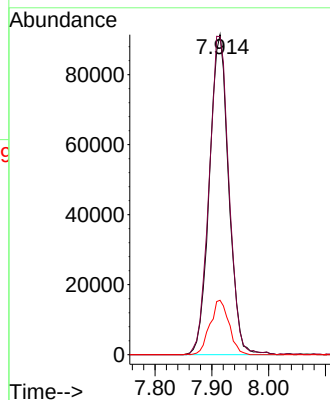
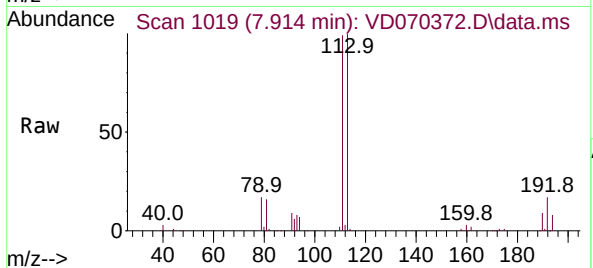
Tgt Ion:113 Resp: 215384

Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.2

192 16.8 13.0 19.6



#38

Carbon Tetrachloride

Concen: 5.433 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

Lab File: VD070372.D

Acq: 15 Sep 2021 12:26

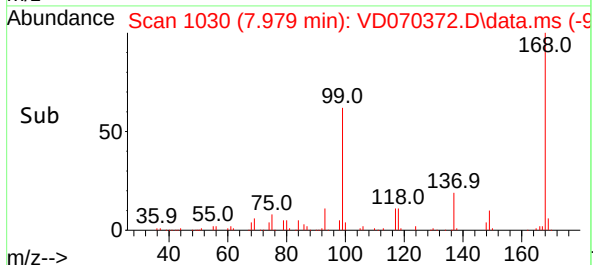
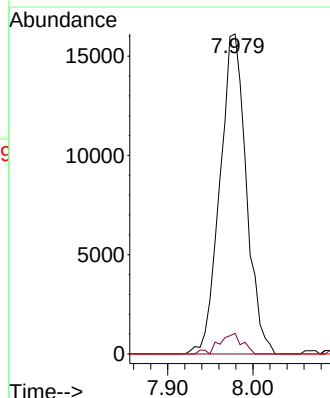
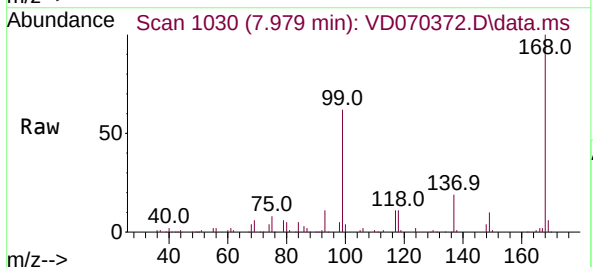
Tgt Ion:117 Resp: 34697

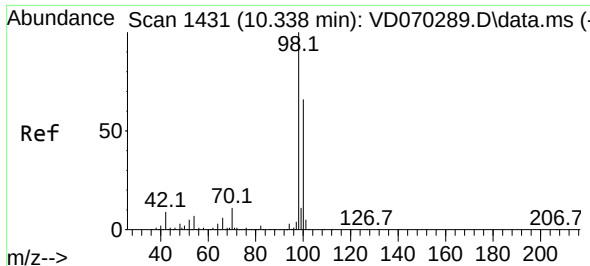
Ion Ratio Lower Upper

117 100

119 6.4 76.1 114.1#

121 0.0 23.8 35.6#

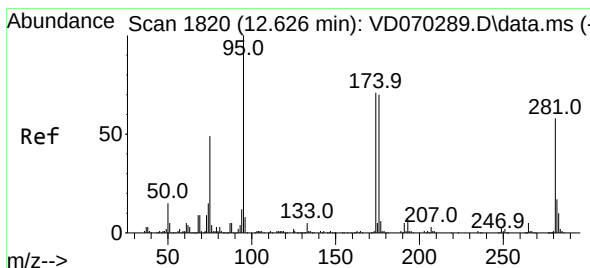
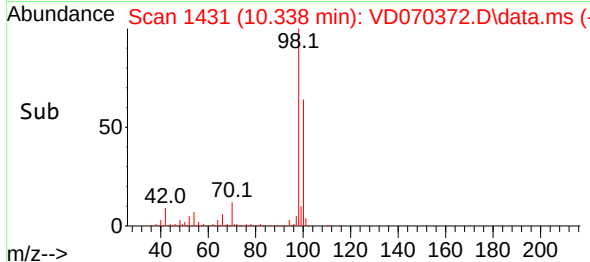
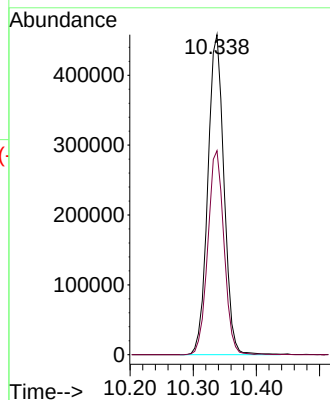
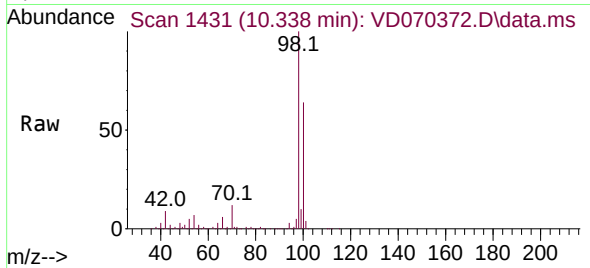




#50
Toluene-d8
Concen: 52.116 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070372.D
Acq: 15 Sep 2021 12:26

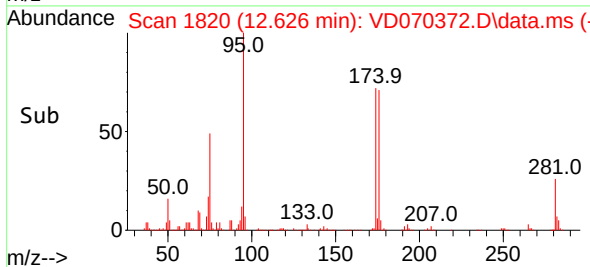
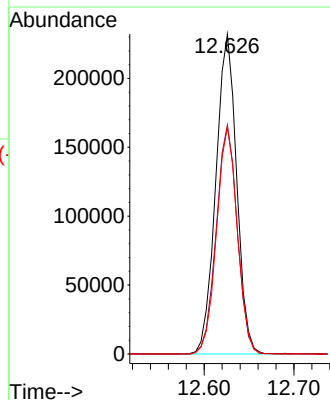
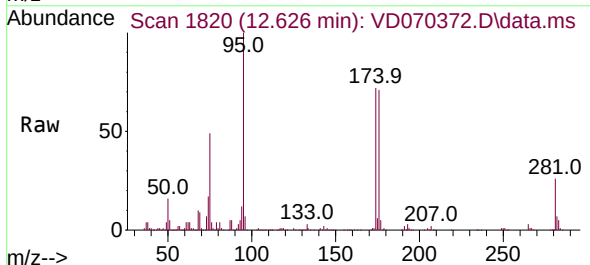
Instrument :
MSVOA_D
ClientSampled :

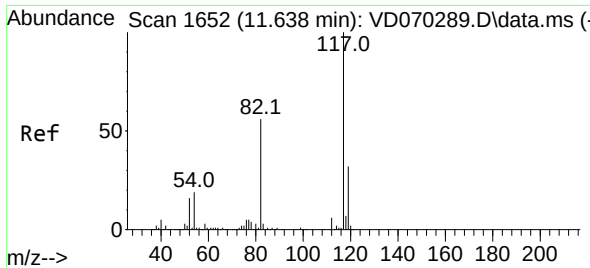
Tgt Ion: 98 Resp: 813660
Ion Ratio Lower Upper
98 100
100 63.7 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 68.392 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070372.D
Acq: 15 Sep 2021 12:26

Tgt Ion: 95 Resp: 373171
Ion Ratio Lower Upper
95 100
174 72.2 0.0 140.6
176 70.5 0.0 137.4

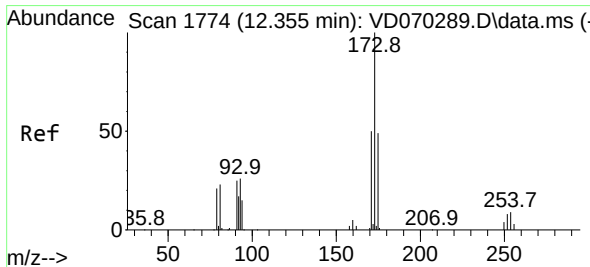
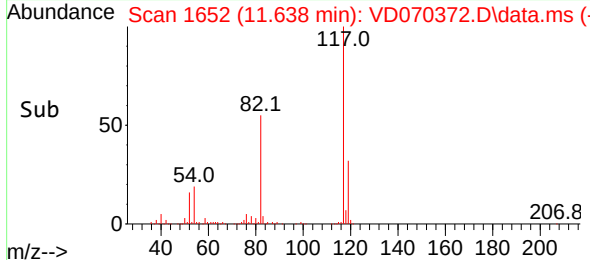
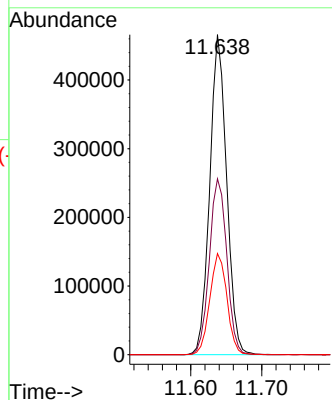
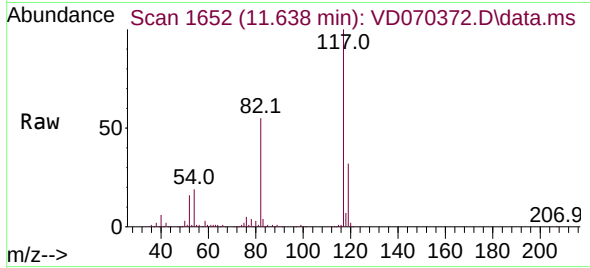




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070372.D
Acq: 15 Sep 2021 12:26

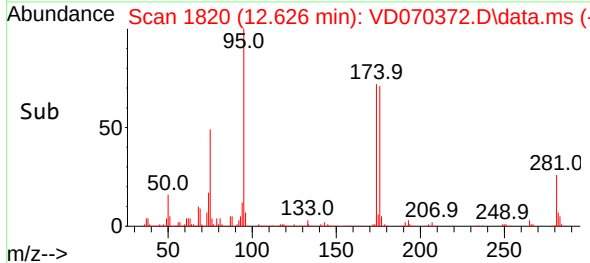
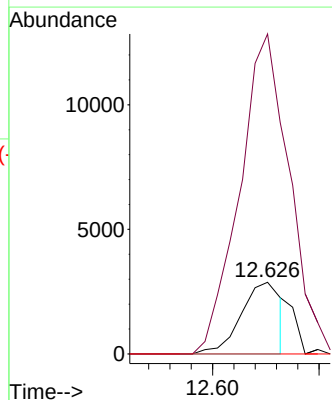
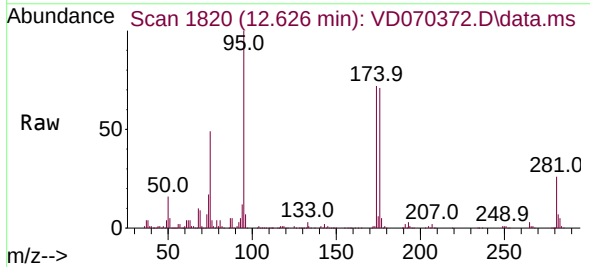
Instrument :
MSVOA_D
ClientSampleId :

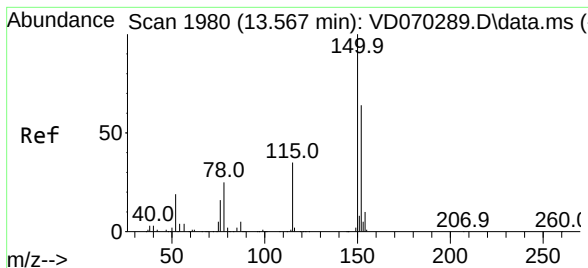
Tgt Ion:	117	Resp:	768734
Ion	Ratio	Lower	Upper
117	100		
82	55.0	45.0	67.4
119	31.6	25.2	37.8



#71
Bromoform
Concen: 1.297 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.270 min
Lab File: VD070372.D
Acq: 15 Sep 2021 12:26

Tgt Ion:	173	Resp:	3739
Ion	Ratio	Lower	Upper
173	100		
175	454.8	25.1	75.2#
254	0.0	0.1	0.1#

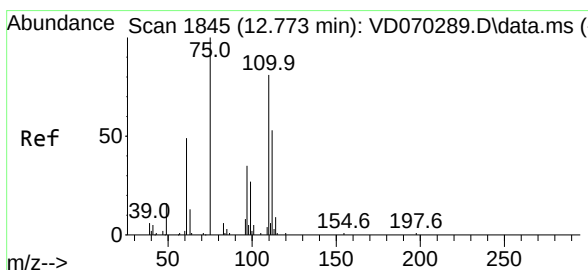
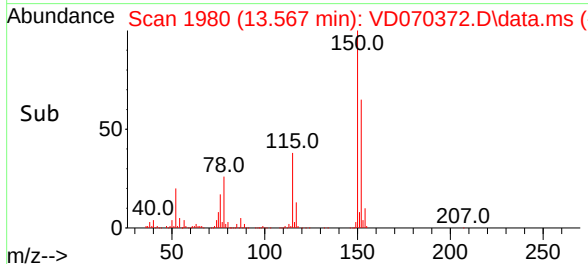
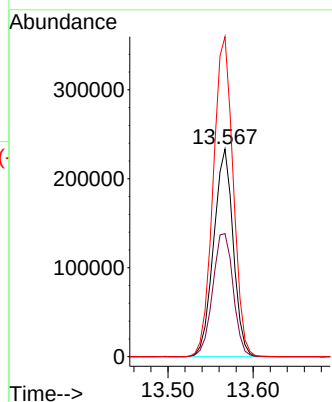
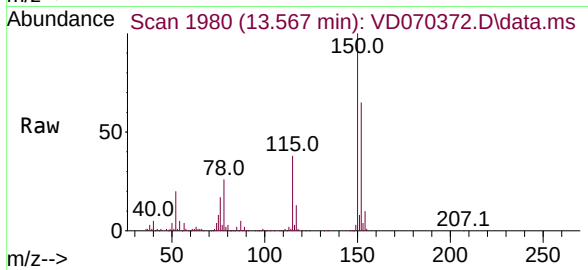




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD070372.D
 Acq: 15 Sep 2021 12:26

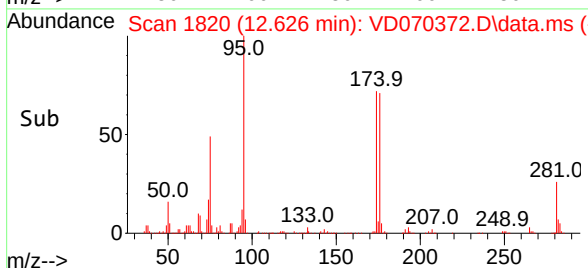
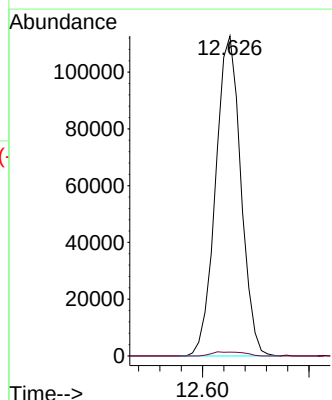
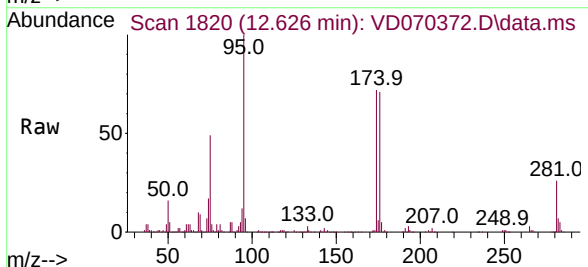
Instrument :
 MSVOA_D
 ClientSampleId :

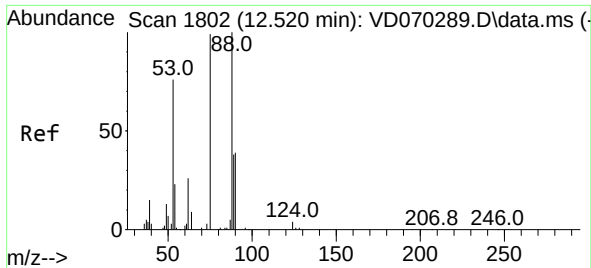
Tgt Ion:152 Resp: 372624
 Ion Ratio Lower Upper
 152 100
 115 62.2 32.1 96.3
 150 157.3 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 49.192 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD070372.D
 Acq: 15 Sep 2021 12:26

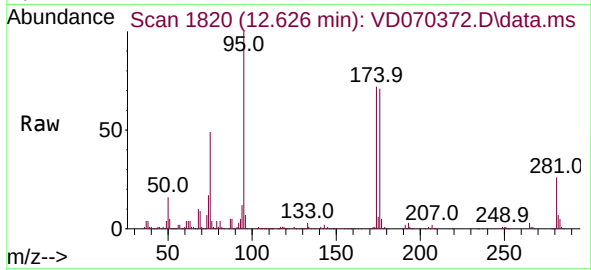
Tgt Ion: 75 Resp: 185412
 Ion Ratio Lower Upper
 75 100
 77 1.6 174.9 524.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.255 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD070372.D
 Acq: 15 Sep 2021 12:26

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 185412
 Ion Ratio Lower Upper
 75 100
 53 0.3 64.2 96.2#
 89 0.4 35.6 53.4#

