

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091021\
 Data File : VD070301.D
 Acq On : 10 Sep 2021 15:51
 Operator : VA/SY
 Sample : M3684-02
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 11 02:26:25 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)

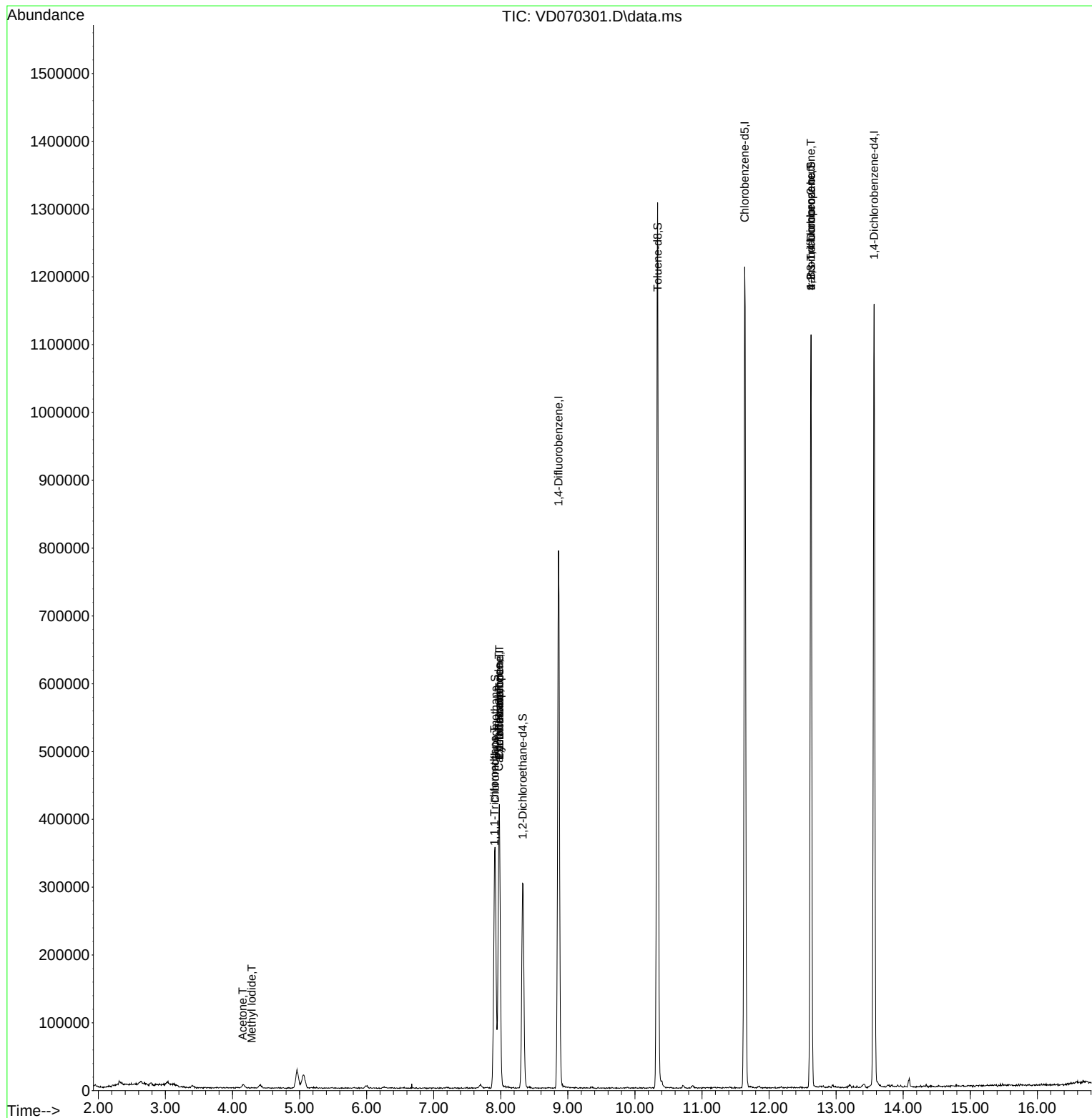
Internal Standards						
1) Pentafluorobenzene	7.979	168	282366	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	661786	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	701228	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	297939	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	242274	66.822	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.640%	
35) Dibromofluoromethane	7.914	113	249541	52.973	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.940%	
50) Toluene-d8	10.338	98	867370	50.713	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.420%	
62) 4-Bromofluorobenzene	12.626	95	318633	53.306	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 106.620%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	512	Below Cal	#	43
3) Chloromethane	2.209	50	1322	Below Cal	#	85
5) Bromomethane	2.785	94	2408	Below Cal		82
6) Chloroethane	2.926	64	353	Below Cal	#	43
10) Methyl Iodide	4.285	142	561	1.186	ug/l #	73
16) Acetone	4.150	43	5132	7.928	ug/l #	70
18) Methyl Acetate	4.708	43	64	Below Cal	#	48
20) Methylene Chloride	4.961	84	19040	Below Cal		96
31) Cyclohexane	7.979	56	7341	1.175	ug/l #	1
32) 1,1,1-Trichloroethane	7.902	97	19681	3.118	ug/l	96
36) 1,1-Dichloropropene	7.979	75	27103	3.832	ug/l #	43
38) Carbon Tetrachloride	7.973	117	32604	4.660	ug/l #	16
76) 1,2,3-Trichloropropane	12.626	75	154663	51.320	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	154663	128.587	ug/l #	18

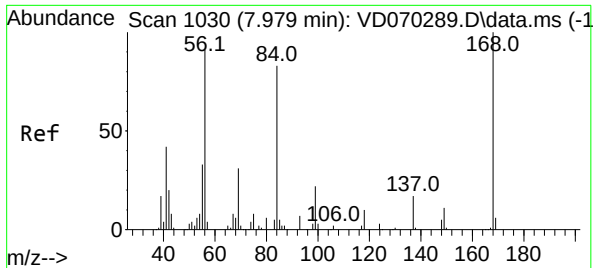
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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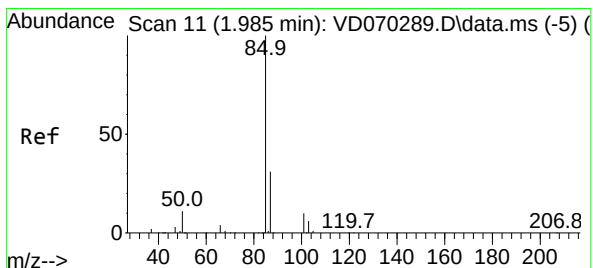
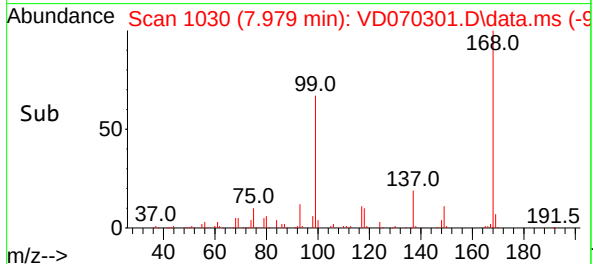
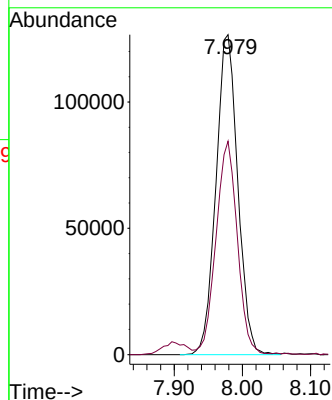
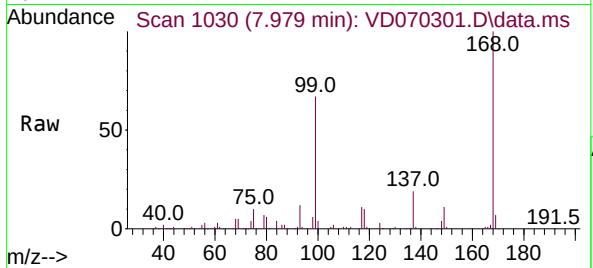




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070301.D
Acq: 10 Sep 2021 15:51

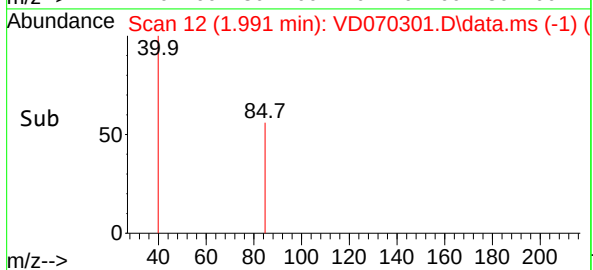
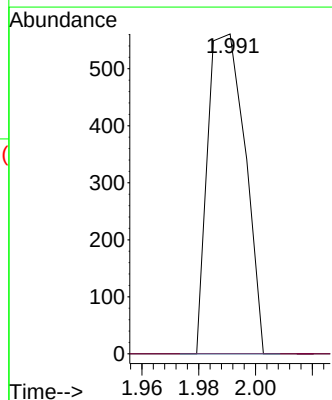
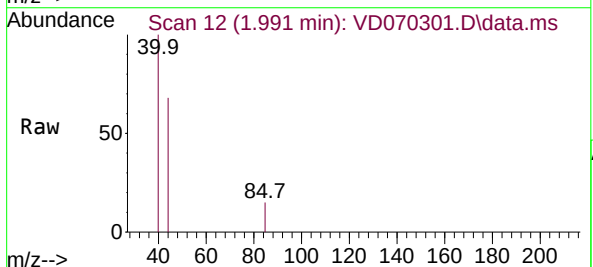
Instrument :
MSVOA_D
ClientSampled :

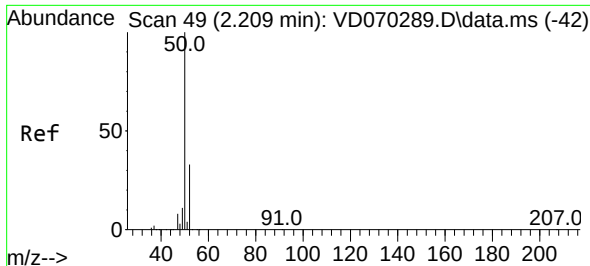
Tgt Ion:168 Resp: 282366
Ion Ratio Lower Upper
168 100
99 66.4 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD070301.D
Acq: 10 Sep 2021 15:51

Tgt Ion: 85 Resp: 512
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

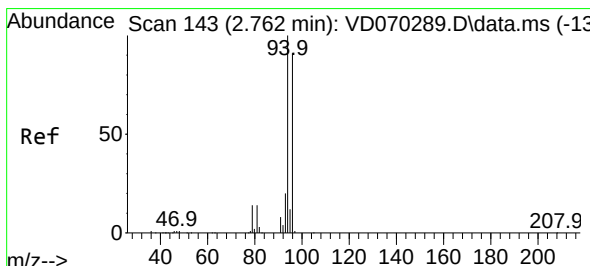
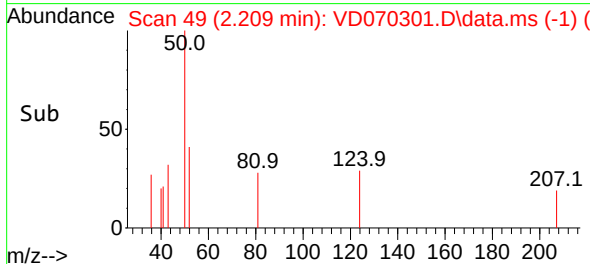
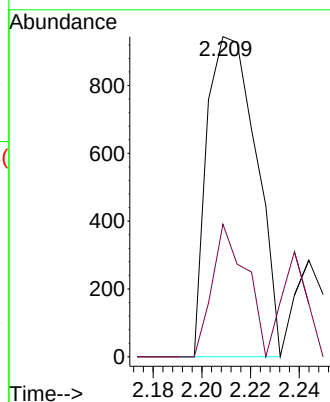
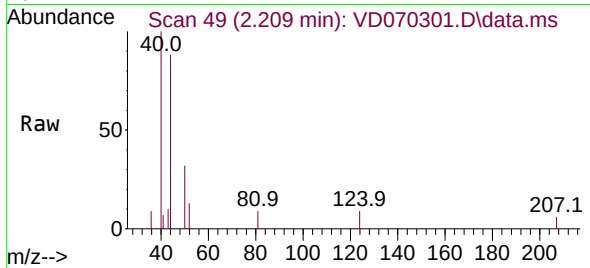




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070301.D
Acq: 10 Sep 2021 15:51

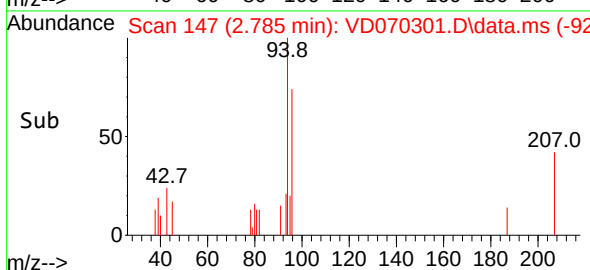
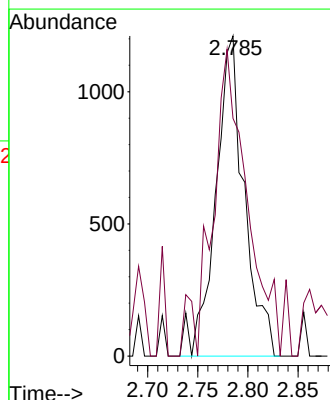
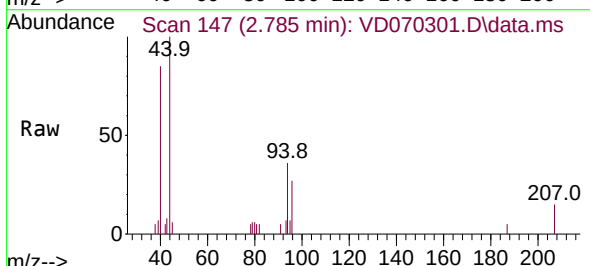
Instrument :
MSVOA_D
ClientSampled :

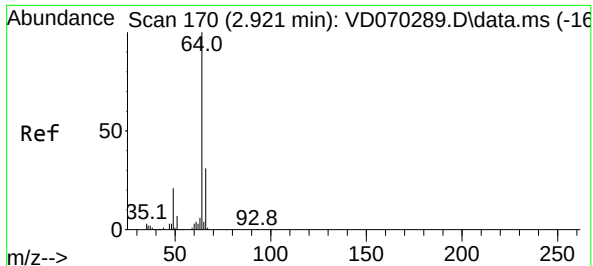
Tgt Ion: 50 Resp: 1322
Ion Ratio Lower Upper
50 100
52 41.4 26.2 39.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD070301.D
Acq: 10 Sep 2021 15:51

Tgt Ion: 94 Resp: 2408
Ion Ratio Lower Upper
94 100
96 74.2 73.0 109.6

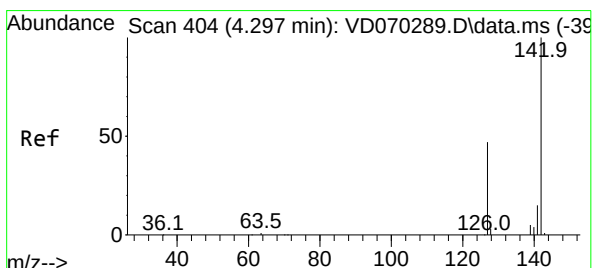
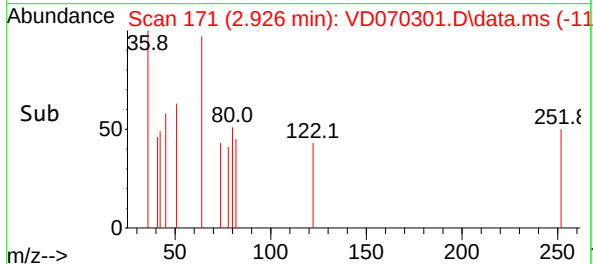
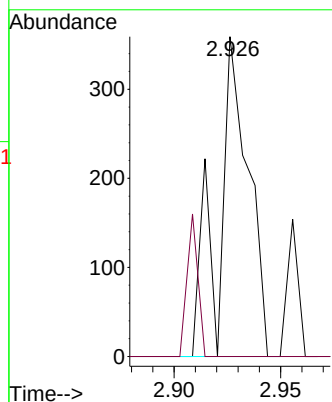
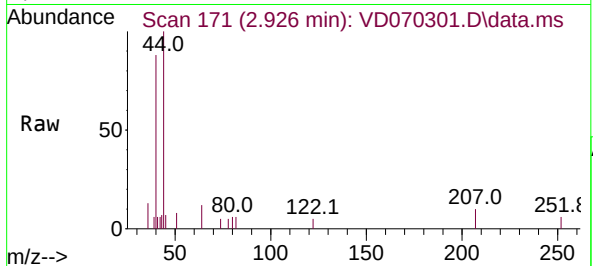




#6
Chloroethane
Concen: Below Cal
RT: 2.926 min Scan# 171
Delta R.T. 0.005 min
Lab File: VD070301.D
Acq: 10 Sep 2021 15:51

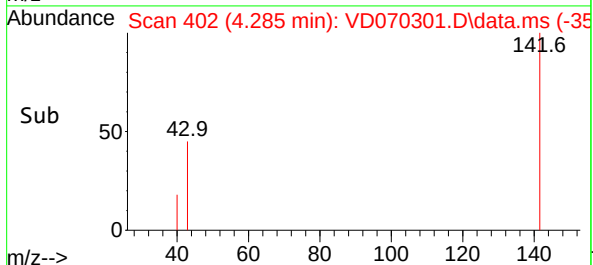
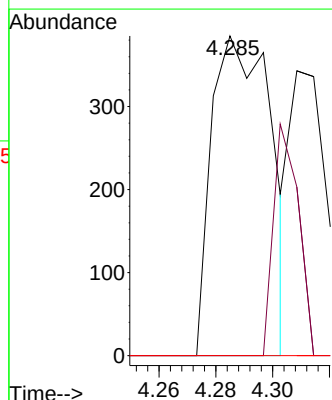
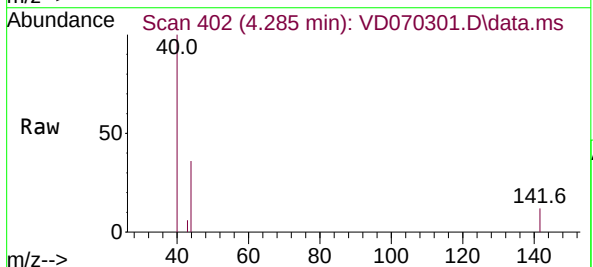
Instrument :
MSVOA_D
ClientSampled :

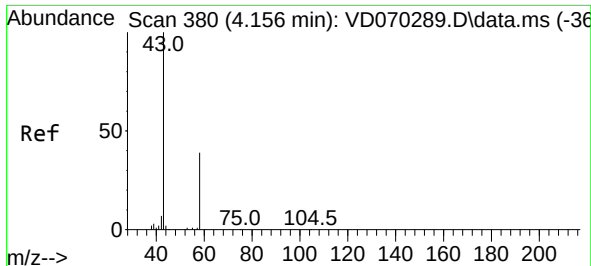
Tgt Ion: 64 Resp: 353
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#10
Methyl Iodide
Concen: 1.186 ug/l
RT: 4.285 min Scan# 402
Delta R.T. -0.012 min
Lab File: VD070301.D
Acq: 10 Sep 2021 15:51

Tgt Ion: 142 Resp: 561
Ion Ratio Lower Upper
142 100
127 30.3 36.9 55.3#
141 0.0 11.8 17.6#

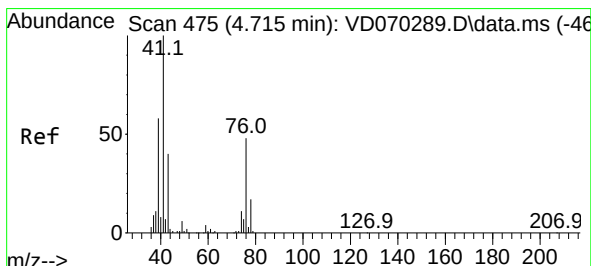
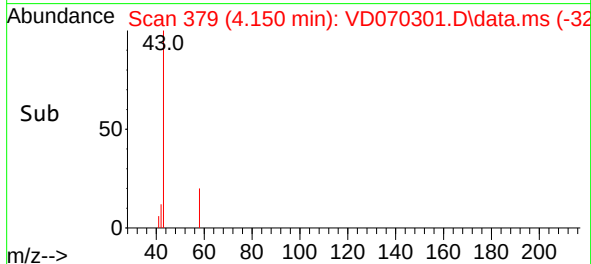
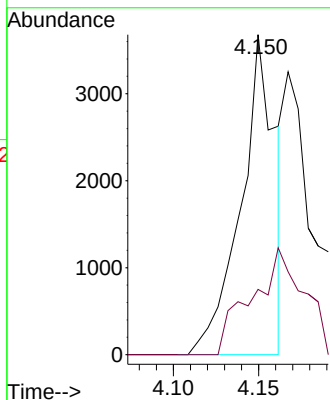
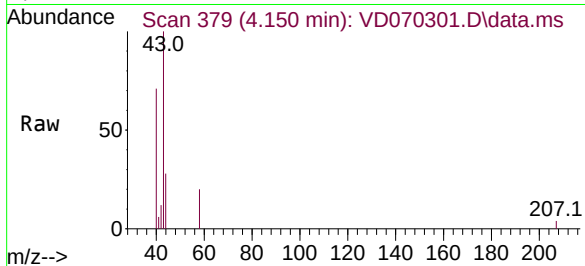




#16
Acetone
Concen: 7.928 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD070301.D
Acq: 10 Sep 2021 15:51

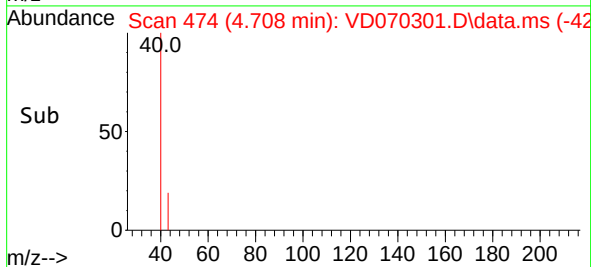
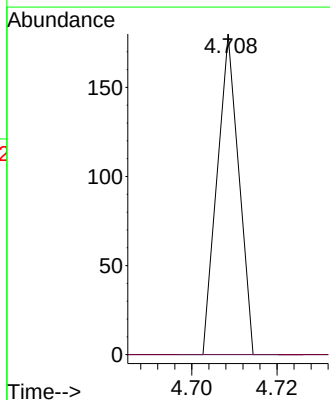
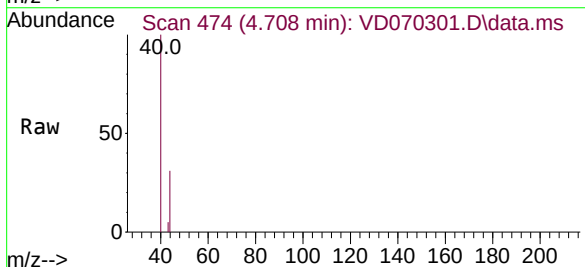
Instrument :
MSVOA_D
ClientSampled :

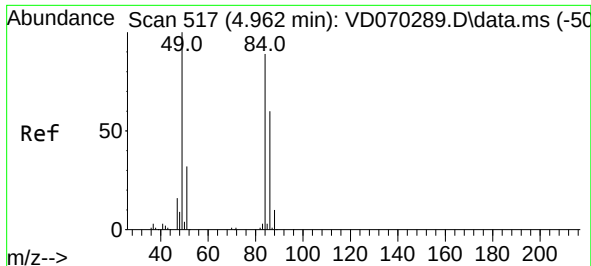
Tgt Ion: 43 Resp: 5132
Ion Ratio Lower Upper
43 100
58 20.4 30.9 46.3#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.708 min Scan# 474
Delta R.T. -0.006 min
Lab File: VD070301.D
Acq: 10 Sep 2021 15:51

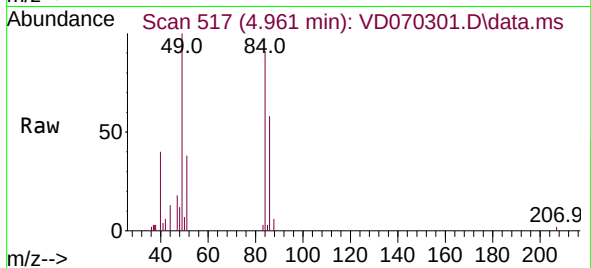
Tgt Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



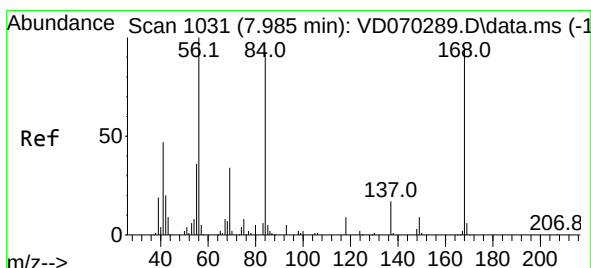
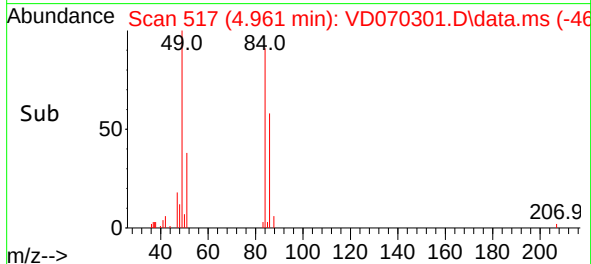
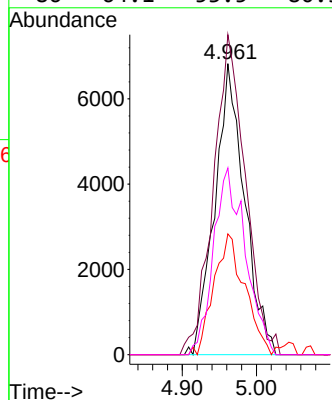


#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD070301.D
Acq: 10 Sep 2021 15:51

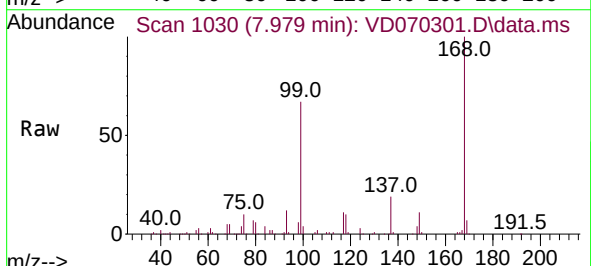
Instrument :
MSVOA_D
ClientSampled :



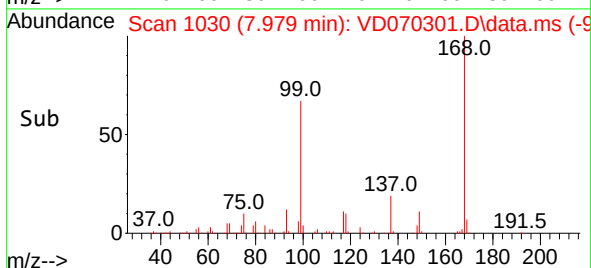
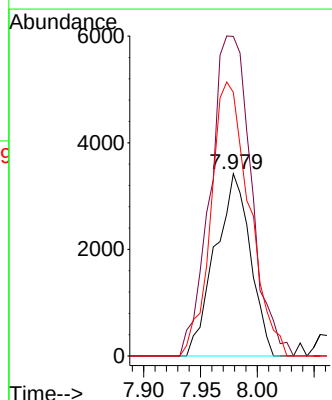
Tgt Ion:	84	Resp:	19040
Ion	Ratio	Lower	Upper
84	100		
49	109.9	89.6	134.4
51	41.5	28.6	43.0
86	64.1	53.5	80.3

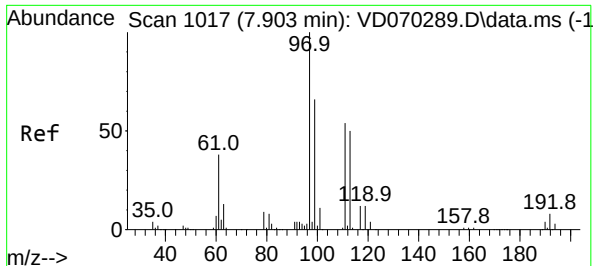


#31
Cyclohexane
Concen: 1.175 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070301.D
Acq: 10 Sep 2021 15:51



Tgt Ion:	56	Resp:	7341
Ion	Ratio	Lower	Upper
56	100		
69	175.4	26.9	40.3#
84	144.8	73.6	110.4#

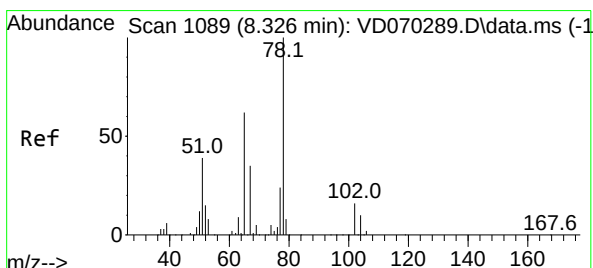
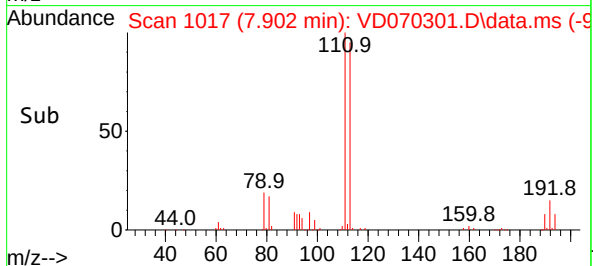
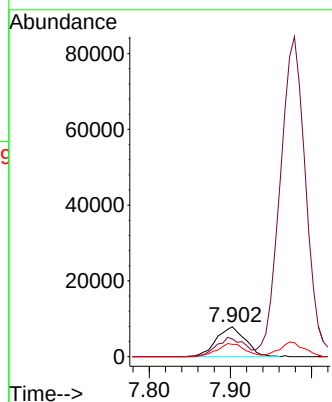
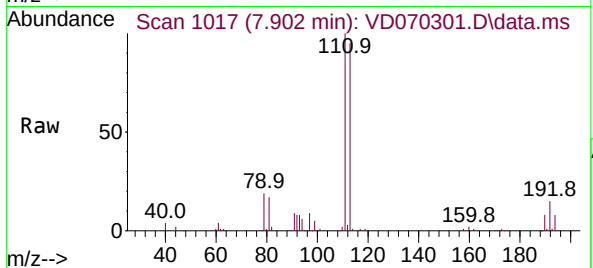




#32
 1,1,1-Trichloroethane
 Concen: 3.118 ug/l
 RT: 7.902 min Scan# 1017
 Delta R.T. -0.000 min
 Lab File: VD070301.D
 Acq: 10 Sep 2021 15:51

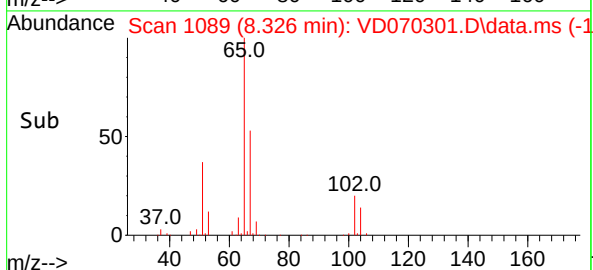
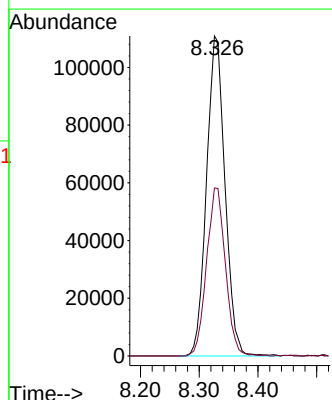
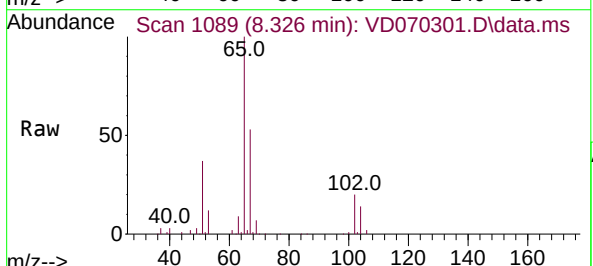
Instrument :
 MSVOA_D
 ClientSampled :

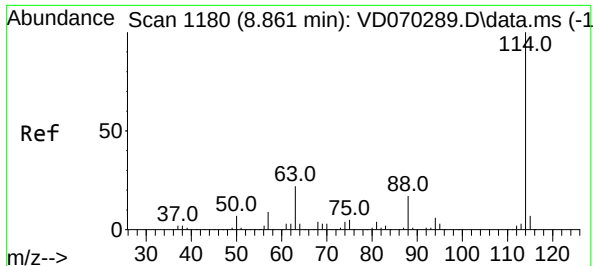
Tgt Ion:	97	Resp:	19681
Ion	Ratio	Lower	Upper
97	100		
99	60.6	51.1	76.7
61	41.6	31.4	47.0



#33
 1,2-Dichloroethane-d4
 Concen: 66.822 ug/l
 RT: 8.326 min Scan# 1089
 Delta R.T. -0.000 min
 Lab File: VD070301.D
 Acq: 10 Sep 2021 15:51

Tgt Ion:	65	Resp:	242274
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: VD070301.D

Acq: 10 Sep 2021 15:51

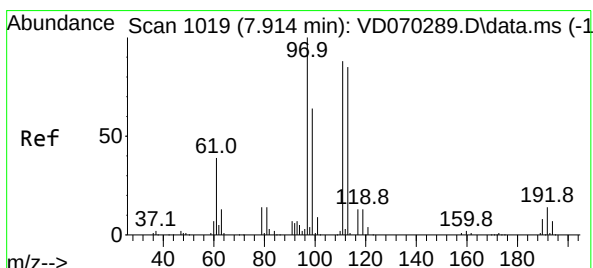
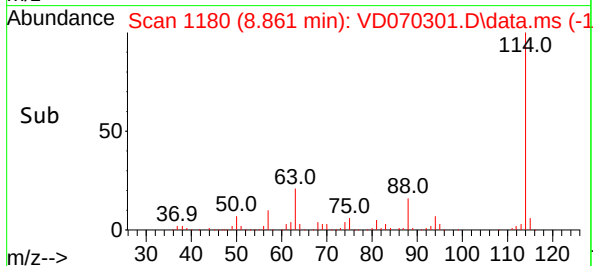
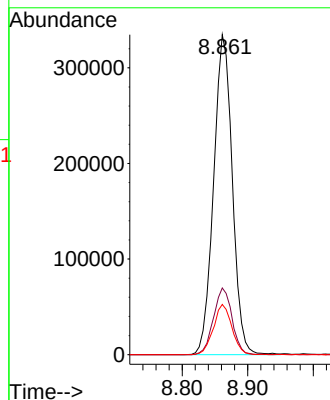
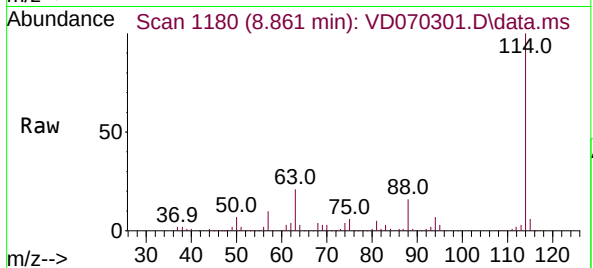
Tgt Ion:114 Resp: 661786

Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.4

88 15.7 0.0 33.4



#35

Dibromofluoromethane

Concen: 52.973 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070301.D

Acq: 10 Sep 2021 15:51

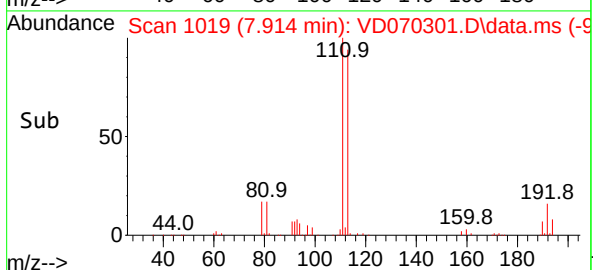
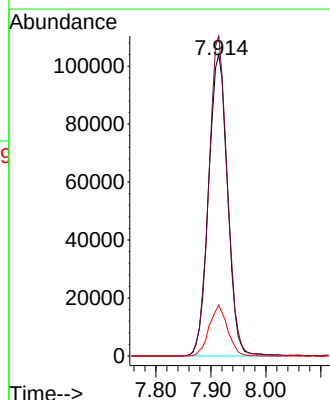
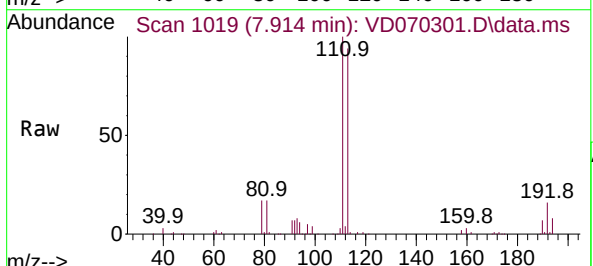
Tgt Ion:113 Resp: 249541

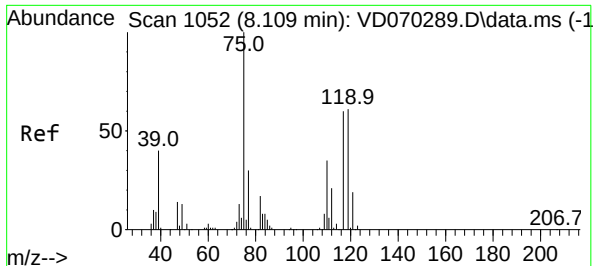
Ion Ratio Lower Upper

113 100

111 103.8 81.4 122.2

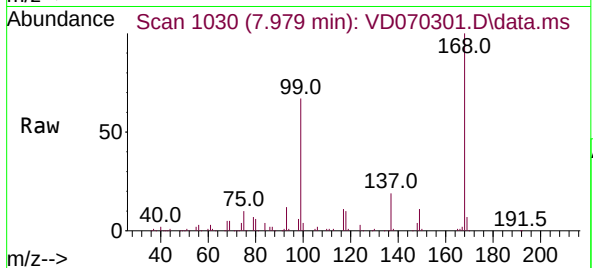
192 16.2 13.0 19.6



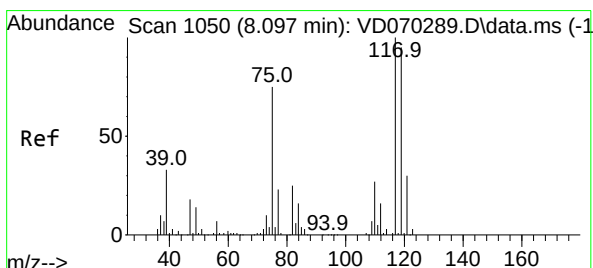
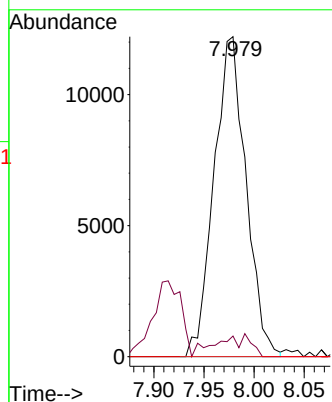
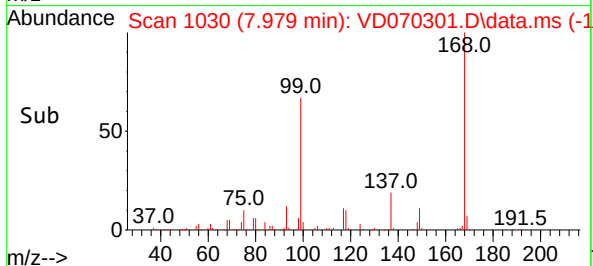


#36
1,1-Dichloropropene
Concen: 3.832 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD070301.D
Acq: 10 Sep 2021 15:51

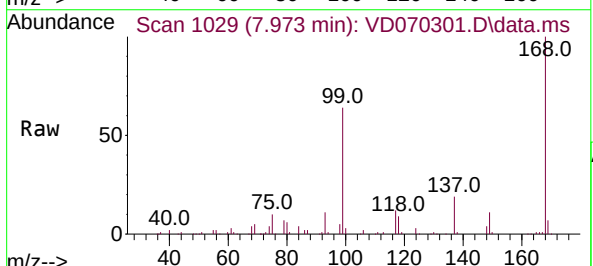
Instrument :
MSVOA_D
ClientSampled :



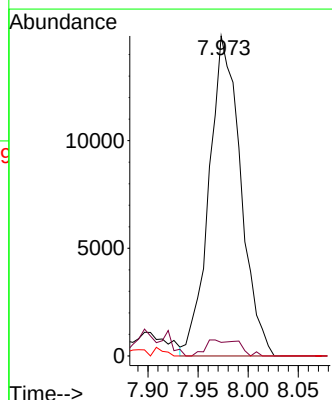
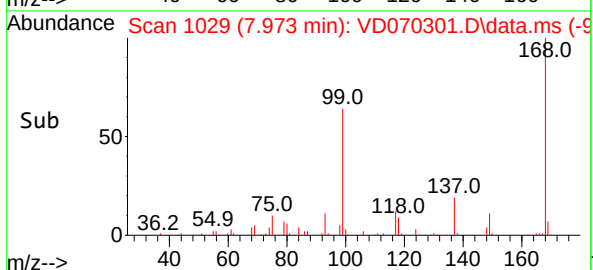
Tgt Ion: 75 Resp: 27103
Ion Ratio Lower Upper
75 100
110 1.8 17.9 53.7#
77 0.0 25.3 37.9#

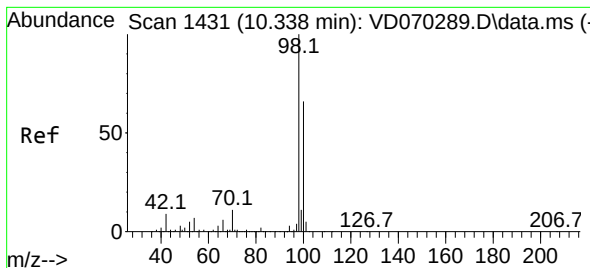


#38
Carbon Tetrachloride
Concen: 4.660 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070301.D
Acq: 10 Sep 2021 15:51



Tgt Ion: 117 Resp: 32604
Ion Ratio Lower Upper
117 100
119 4.2 76.1 114.1#
121 0.0 23.8 35.6#

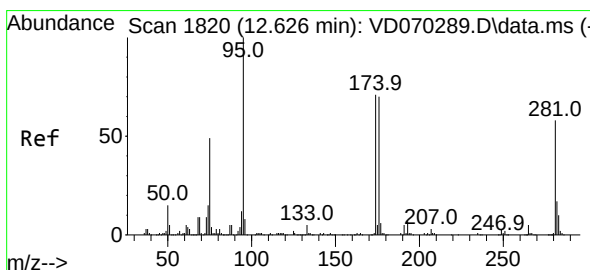
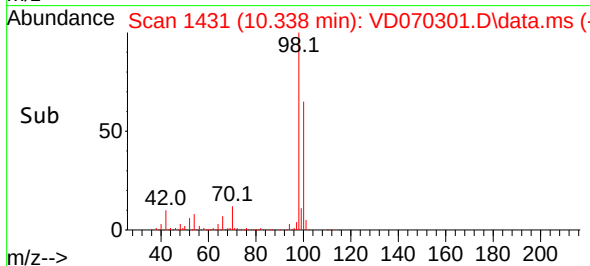
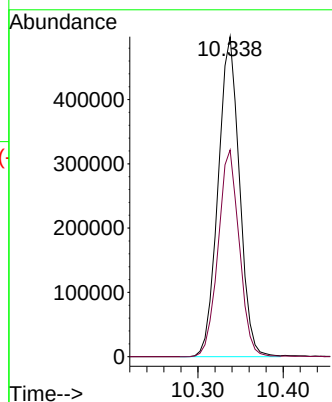
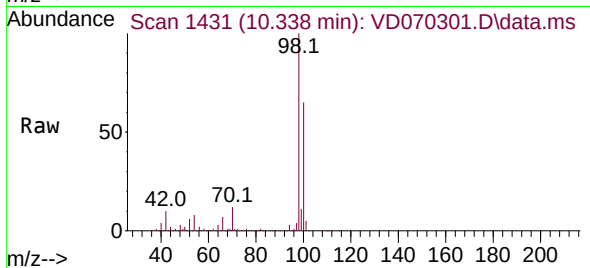




#50
Toluene-d8
Concen: 50.713 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070301.D
Acq: 10 Sep 2021 15:51

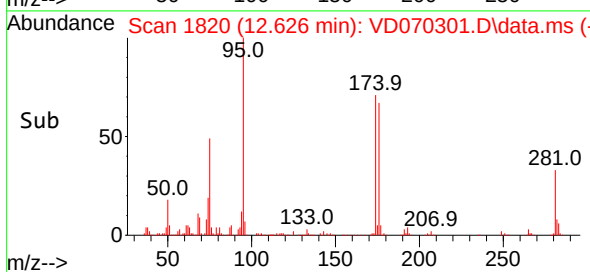
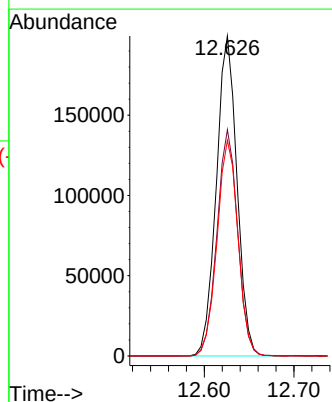
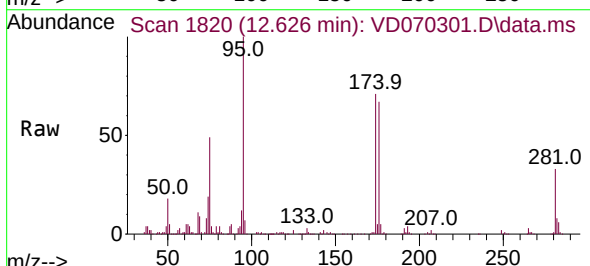
Instrument :
MSVOA_D
ClientSampled :

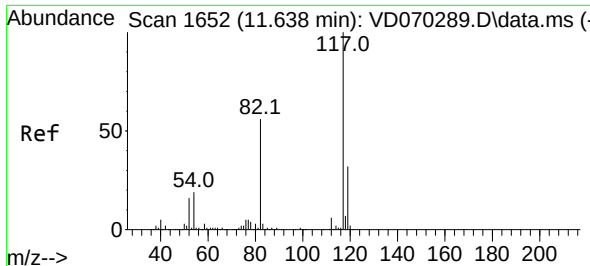
Tgt Ion: 98 Resp: 867370
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 53.306 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070301.D
Acq: 10 Sep 2021 15:51

Tgt Ion: 95 Resp: 318633
Ion Ratio Lower Upper
95 100
174 70.7 0.0 140.6
176 68.3 0.0 137.4

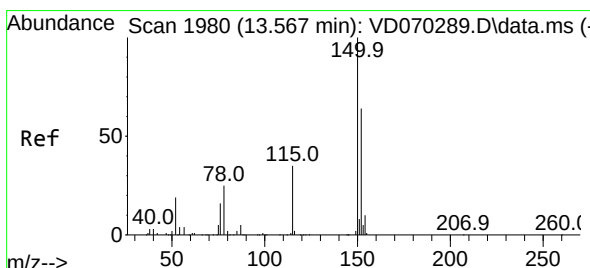
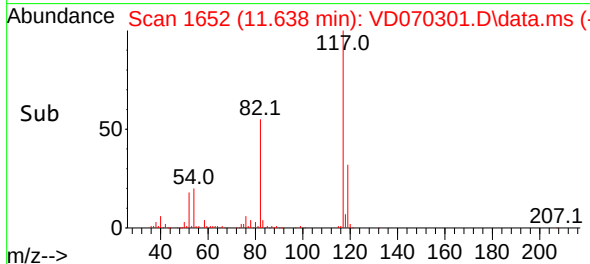
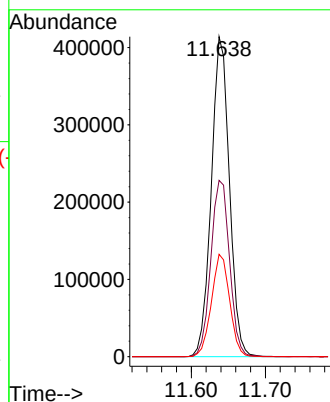
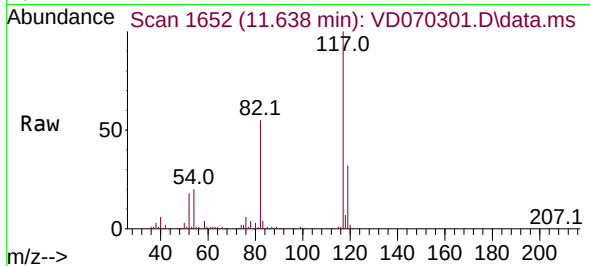




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070301.D
Acq: 10 Sep 2021 15:51

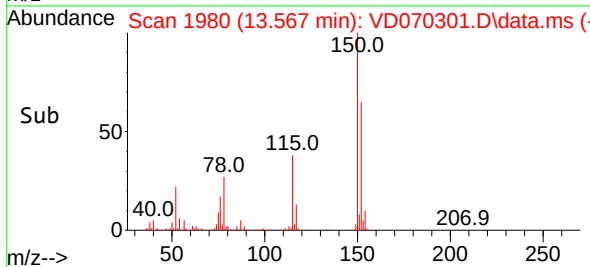
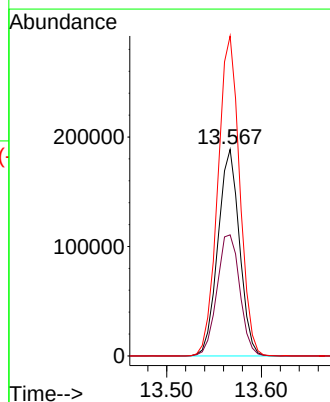
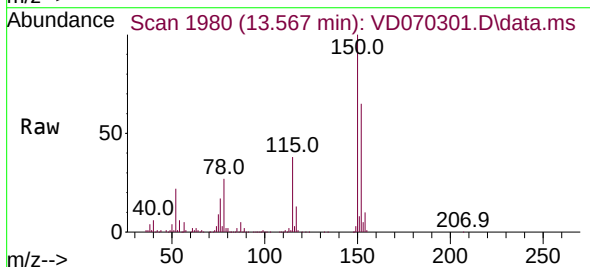
Instrument :
MSVOA_D
ClientSampled :

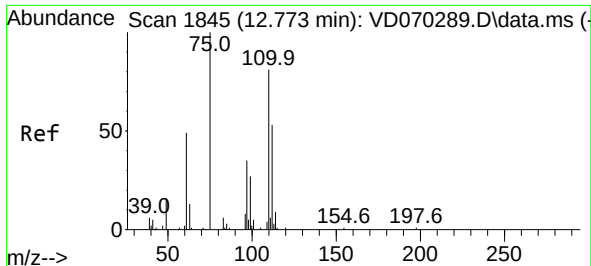
Tgt Ion:117 Resp: 701228
Ion Ratio Lower Upper
117 100
82 55.1 45.0 67.4
119 32.0 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070301.D
Acq: 10 Sep 2021 15:51

Tgt Ion:152 Resp: 297939
Ion Ratio Lower Upper
152 100
115 62.3 32.1 96.3
150 156.8 0.0 350.6

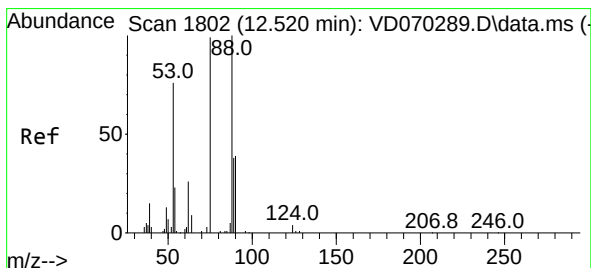
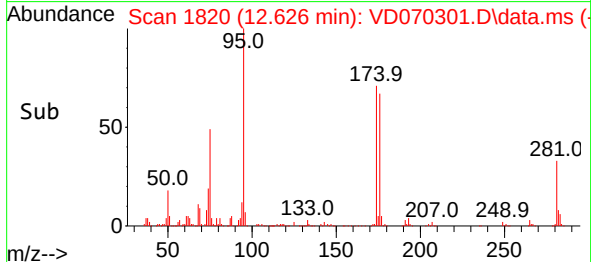
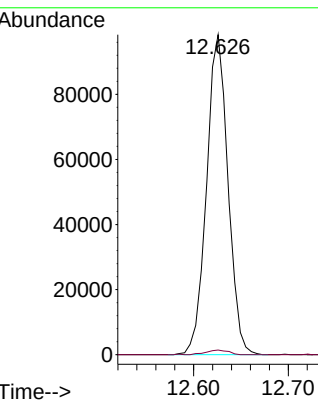
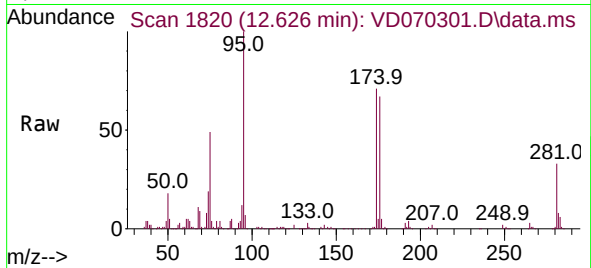




#76
1,2,3-Trichloropropane
Concen: 51.320 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070301.D
Acq: 10 Sep 2021 15:51

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 154663
Ion Ratio Lower Upper
75 100
77 1.5 174.9 524.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.587 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070301.D
Acq: 10 Sep 2021 15:51

Tgt Ion: 75 Resp: 154663
Ion Ratio Lower Upper
75 100
53 0.2 64.2 96.2#
89 0.7 35.6 53.4#

