

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091421\
 Data File : VD070359.D
 Acq On : 14 Sep 2021 18:01
 Operator : VA/SY
 Sample : M3687-30
 Misc : 3.23G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A003015

Quant Time: Sep 15 02:47:33 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)

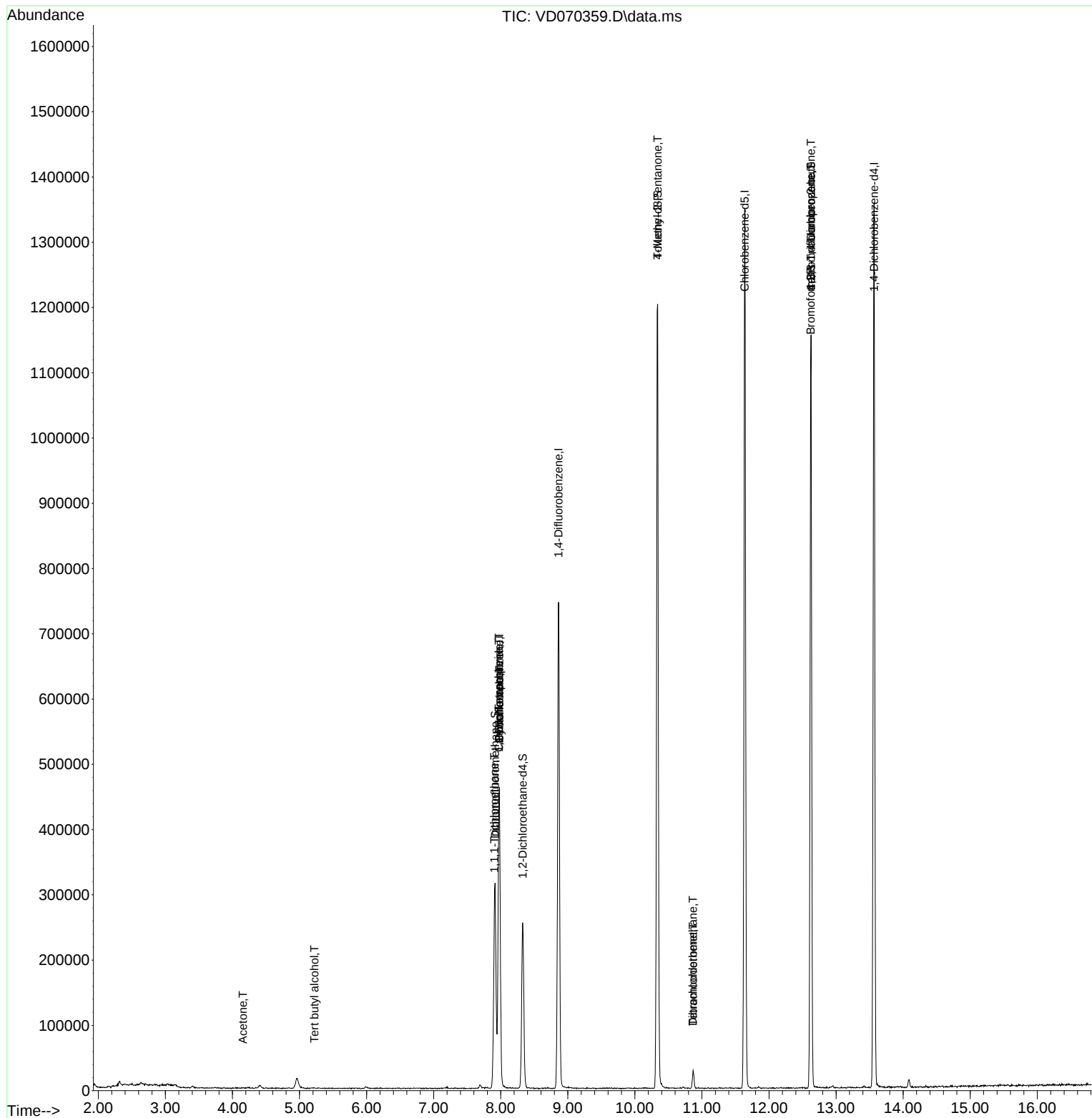
Internal Standards						
1) Pentafluorobenzene	7.979	168	318865	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	632759	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	780687	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	368185	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	198474	48.476	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.960%
35) Dibromofluoromethane	7.914	113	221598	49.200	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.400%
50) Toluene-d8	10.338	98	849862	51.969	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.940%
62) 4-Bromofluorobenzene	12.626	95	365572	63.965	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	127.920%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.979	85	60	Below Cal	#	43
3) Chloromethane	2.203	50	371	Below Cal	#	42
5) Bromomethane	2.785	94	766	Below Cal		83
6) Chloroethane	2.803	64	64	Below Cal	#	43
11) Tert butyl alcohol	5.220	59	616	1.331	ug/l #	100
16) Acetone	4.156	43	1830	2.504	ug/l #	36
18) Methyl Acetate	4.697	43	90	Below Cal	#	48
20) Methylene Chloride	4.950	84	11995	Below Cal	#	80
31) Cyclohexane	7.979	56	7145	1.013	ug/l #	1
32) 1,1,1-Trichloroethane	7.903	97	8750	1.227	ug/l #	46
36) 1,1-Dichloropropene	7.973	75	28956	4.281	ug/l #	47
38) Carbon Tetrachloride	7.973	117	37176	5.558	ug/l #	18
51) 4-Methyl-2-Pentanone	10.338	43	3220	1.331	ug/l #	1
60) Dibromochloromethane	10.867	129	5807	1.355	ug/l #	11
64) Tetrachloroethene	10.867	164	5404	1.137	ug/l	85
71) Bromoform	12.620	173	2932	1.002	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	178737	47.993	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	178737	120.251	ug/l #	18

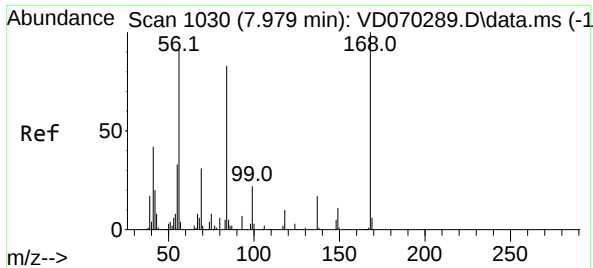
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Sep 09 03:07:09 2021
Response via : Initial Calibration

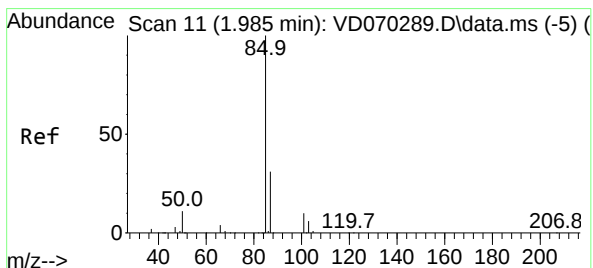
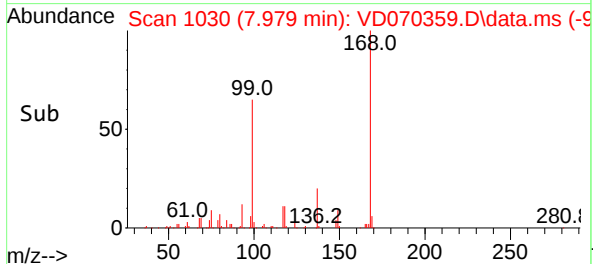
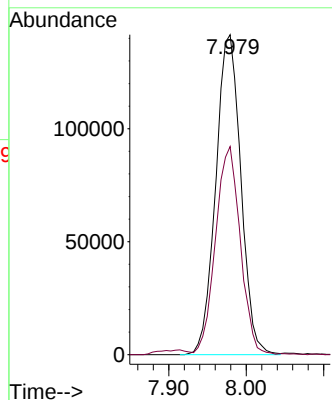
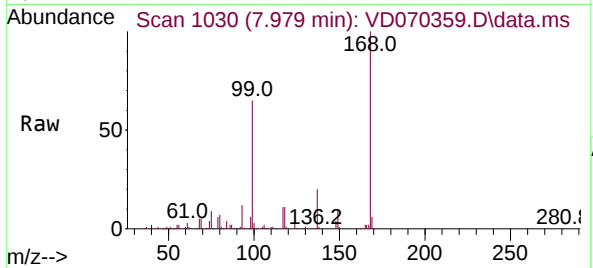




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070359.D
Acq: 14 Sep 2021 18:01

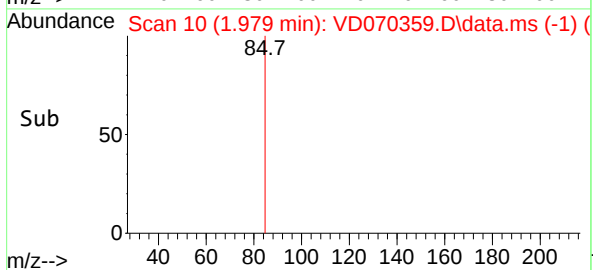
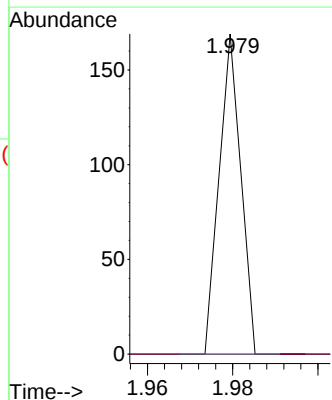
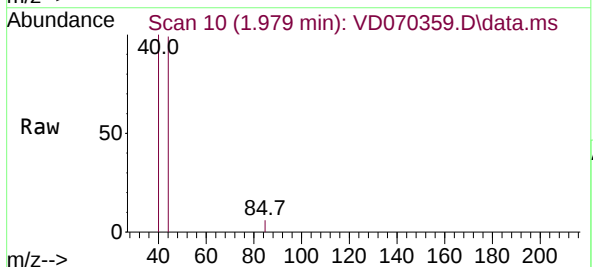
Instrument :
MSVOA_D
ClientSampleId :
A003015

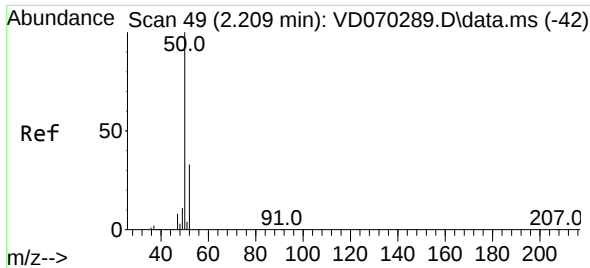
Tgt Ion:168 Resp: 318865
Ion Ratio Lower Upper
168 100
99 64.8 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.979 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD070359.D
Acq: 14 Sep 2021 18:01

Tgt Ion: 85 Resp: 60
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

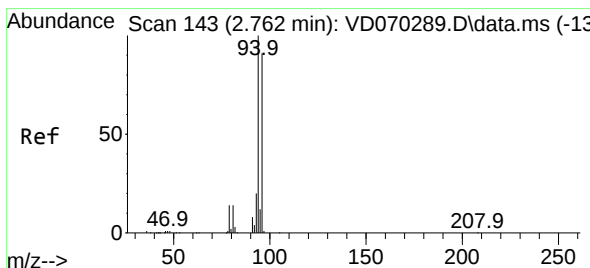
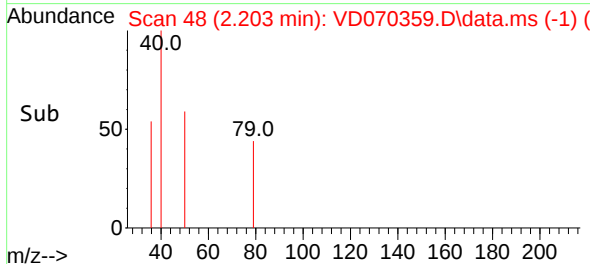
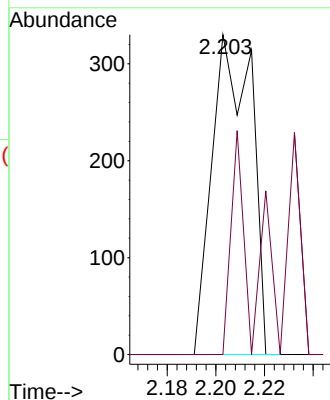
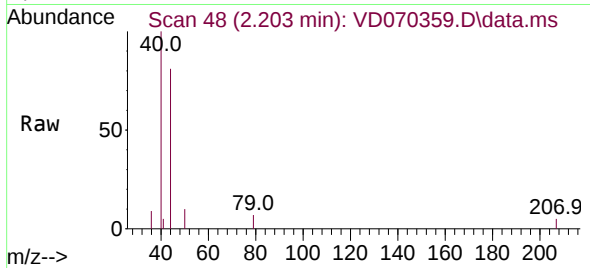




#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD070359.D
Acq: 14 Sep 2021 18:01

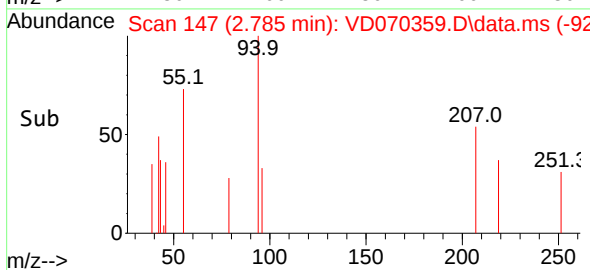
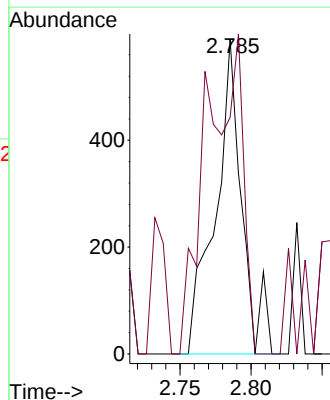
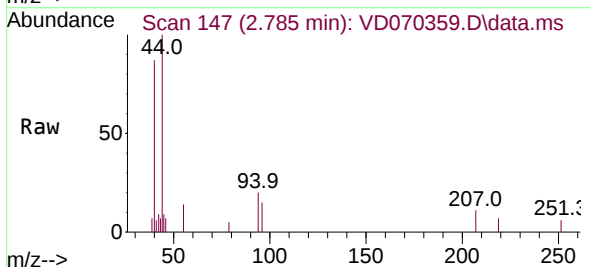
Instrument :
MSVOA_D
ClientSampleId :
A003015

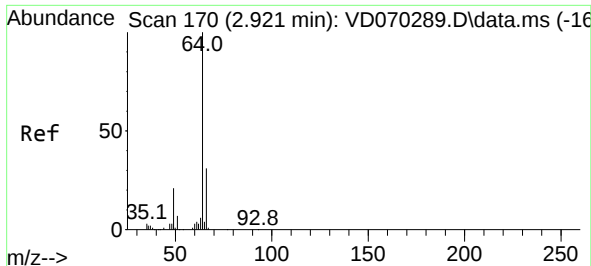
Tgt Ion: 50 Resp: 371
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD070359.D
Acq: 14 Sep 2021 18:01

Tgt Ion: 94 Resp: 766
Ion Ratio Lower Upper
94 100
96 75.2 73.0 109.6

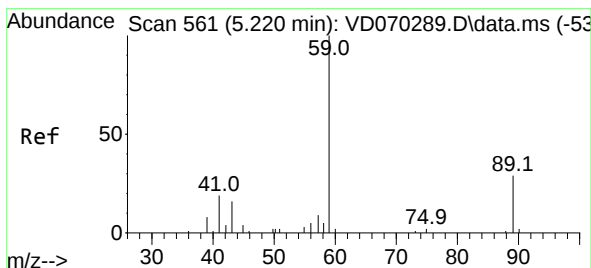
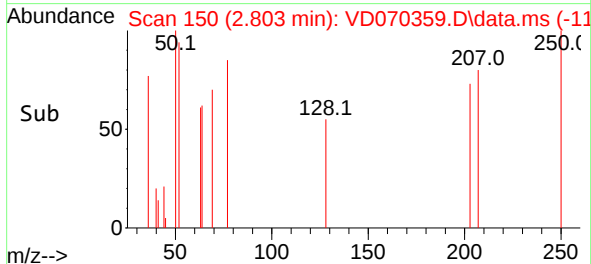
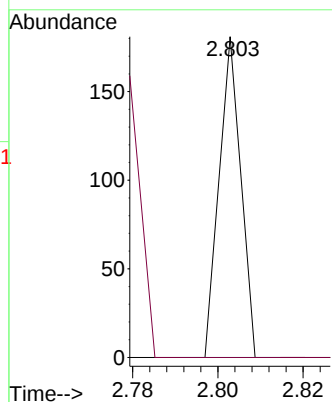
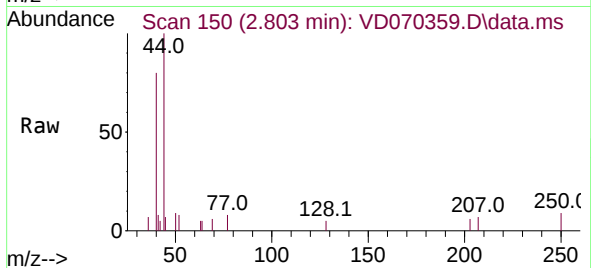




#6
Chloroethane
Concen: Below Cal
RT: 2.803 min Scan# 150
Delta R.T. -0.118 min
Lab File: VD070359.D
Acq: 14 Sep 2021 18:01

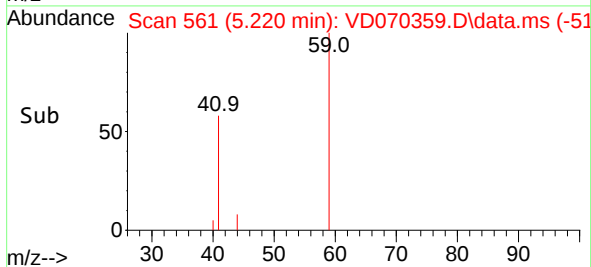
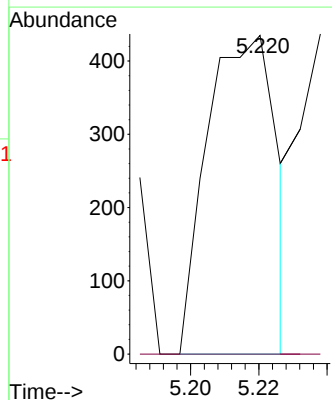
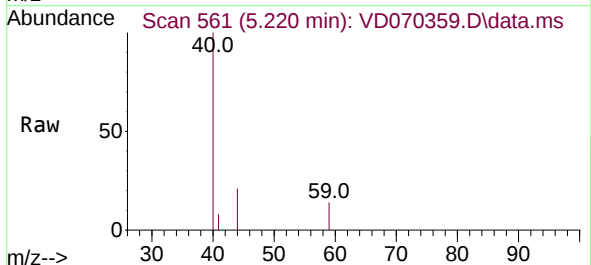
Instrument :
MSVOA_D
ClientSampled :
A003015

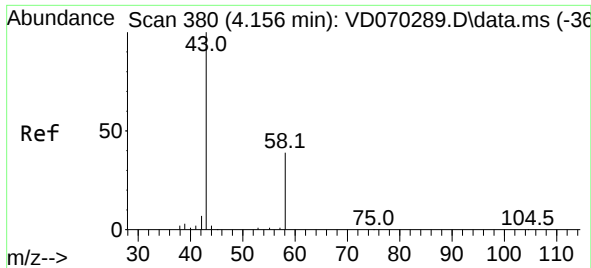
Tgt Ion: 64 Resp: 64
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#11
Tert butyl alcohol
Concen: 1.331 ug/l
RT: 5.220 min Scan# 561
Delta R.T. 0.000 min
Lab File: VD070359.D
Acq: 14 Sep 2021 18:01

Tgt Ion: 59 Resp: 616
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

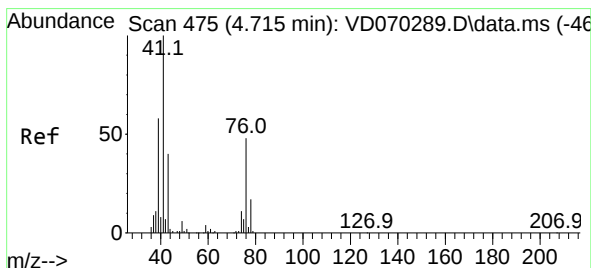
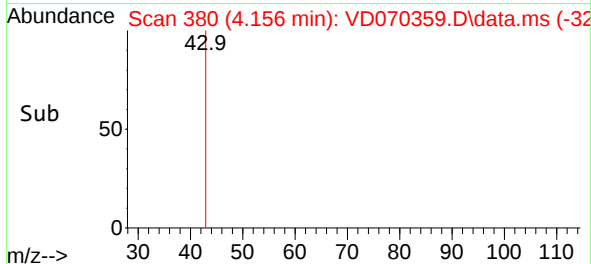
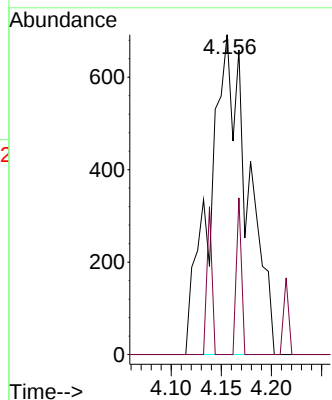
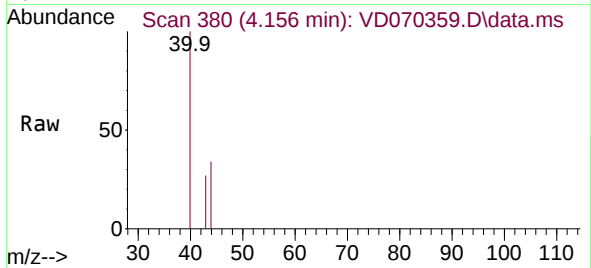




#16
Acetone
Concen: 2.504 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070359.D
Acq: 14 Sep 2021 18:01

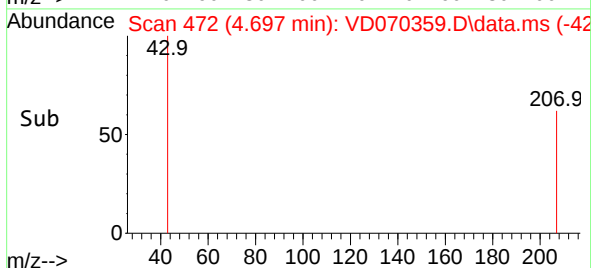
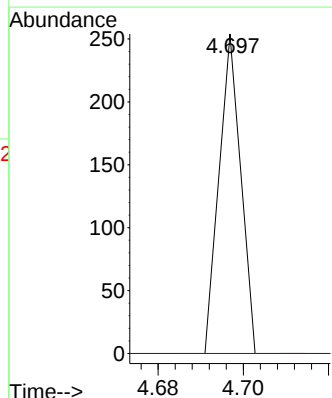
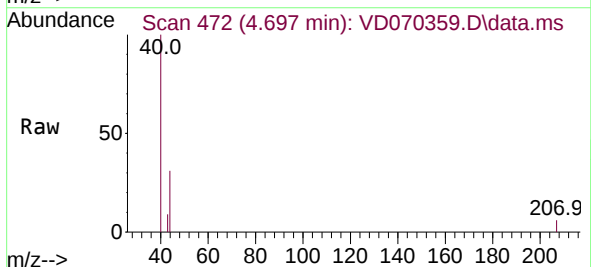
Instrument :
MSVOA_D
ClientSampleId :
A003015

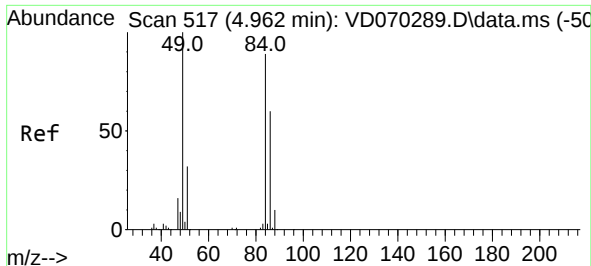
Tgt Ion: 43 Resp: 1830
Ion Ratio Lower Upper
43 100
58 0.0 30.9 46.3#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.697 min Scan# 472
Delta R.T. -0.018 min
Lab File: VD070359.D
Acq: 14 Sep 2021 18:01

Tgt Ion: 43 Resp: 90
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#

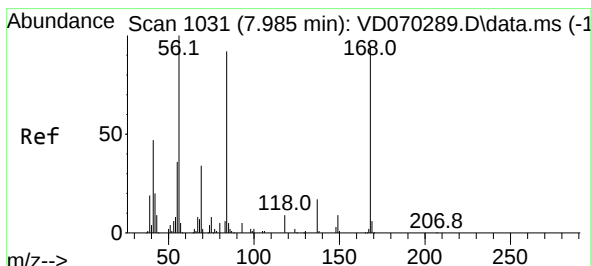
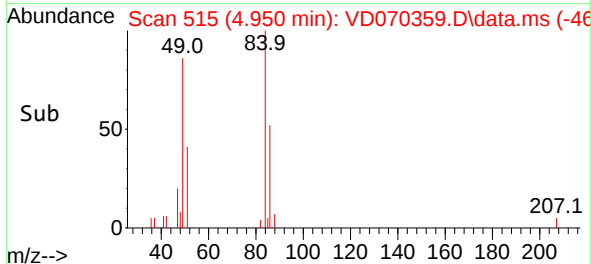
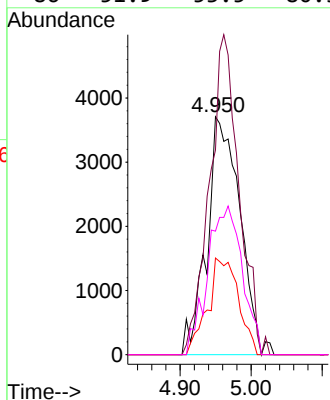
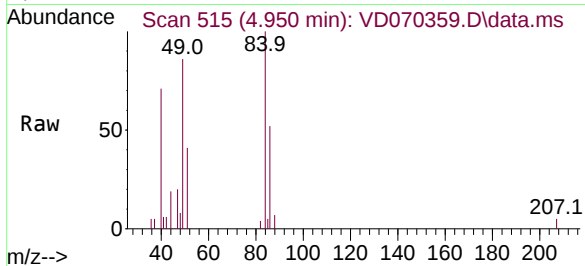




#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 515
Delta R.T. -0.012 min
Lab File: VD070359.D
Acq: 14 Sep 2021 18:01

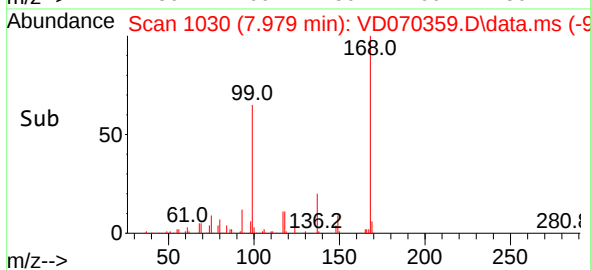
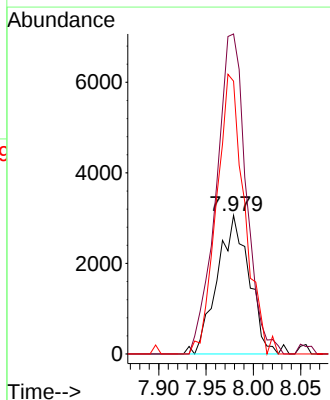
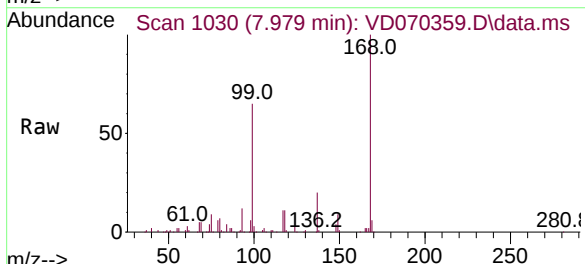
Instrument :
MSVOA_D
ClientSampleId :
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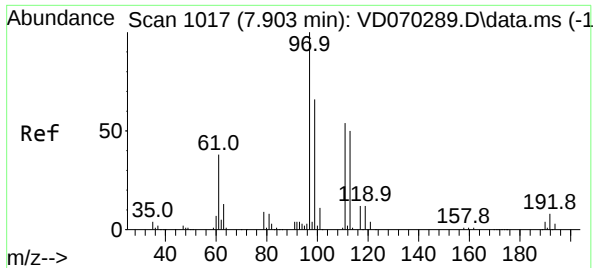
Tgt Ion:	84	Resp:	11995
Ion	Ratio	Lower	Upper
84	100		
49	86.0	89.6	134.4#
51	40.6	28.6	43.0
86	51.9	53.5	80.3#



#31
Cyclohexane
Concen: 1.013 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070359.D
Acq: 14 Sep 2021 18:01

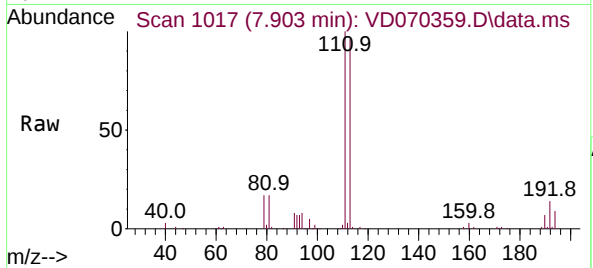
Tgt Ion:	56	Resp:	7145
Ion	Ratio	Lower	Upper
56	100		
69	231.0	26.9	40.3#
84	197.0	73.6	110.4#



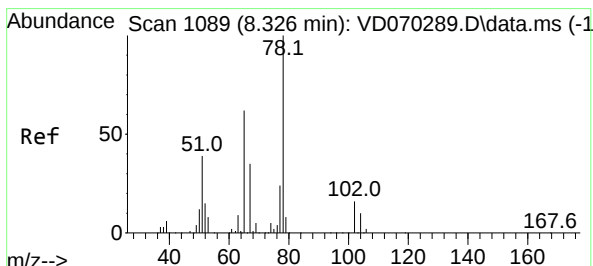
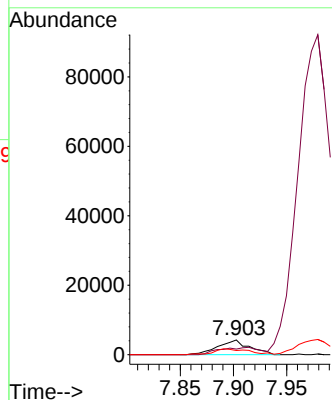
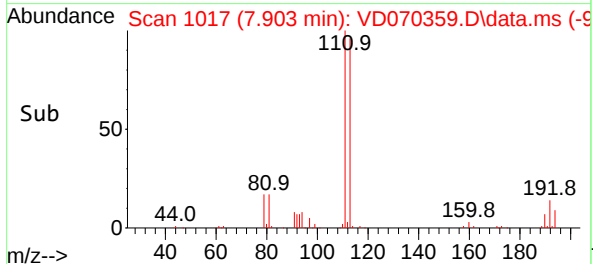


#32
 1,1,1-Trichloroethane
 Concen: 1.227 ug/l
 RT: 7.903 min Scan# 1017
 Delta R.T. -0.000 min
 Lab File: VD070359.D
 Acq: 14 Sep 2021 18:01

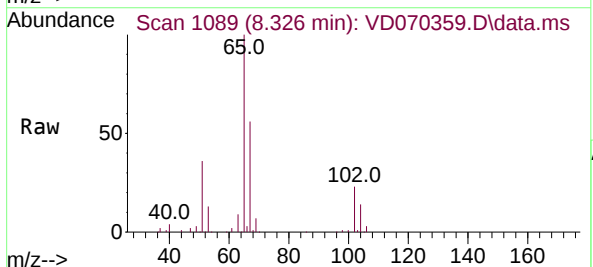
Instrument :
 MSVOA_D
 ClientSampled :
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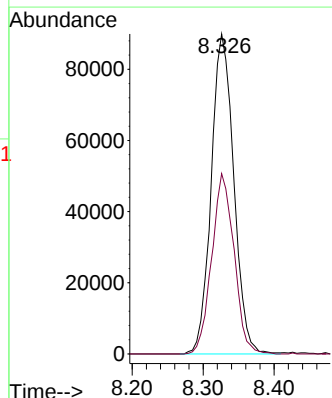
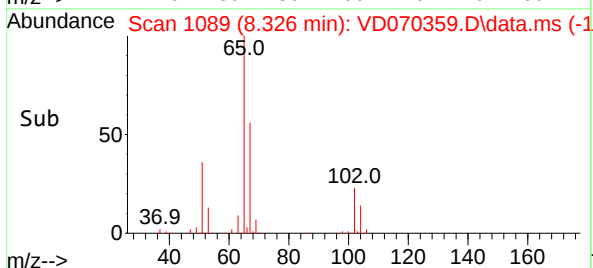
Tgt Ion: 97 Resp: 8750
 Ion Ratio Lower Upper
 97 100
 99 0.0 51.1 76.7#
 61 44.2 31.4 47.0

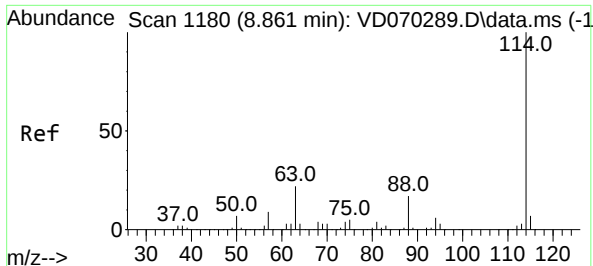


#33
 1,2-Dichloroethane-d4
 Concen: 48.476 ug/l
 RT: 8.326 min Scan# 1089
 Delta R.T. -0.000 min
 Lab File: VD070359.D
 Acq: 14 Sep 2021 18:01



Tgt Ion: 65 Resp: 198474
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 111.4

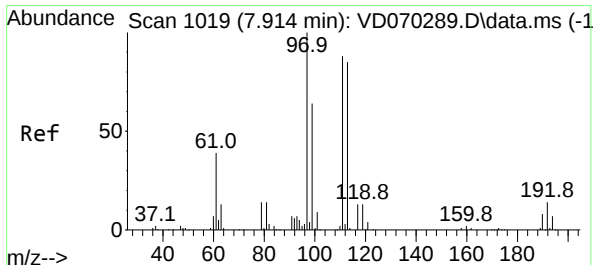
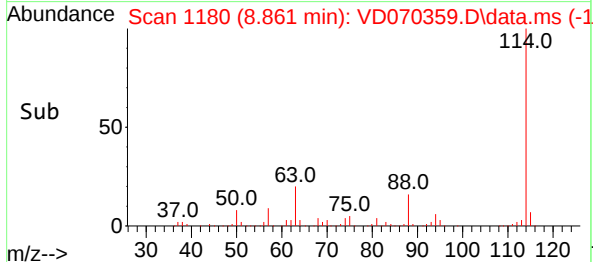
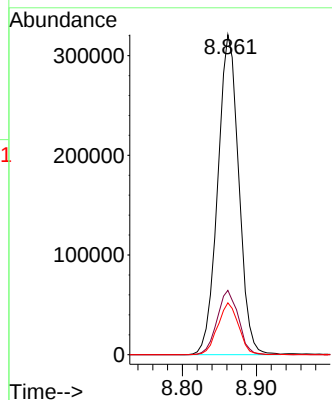
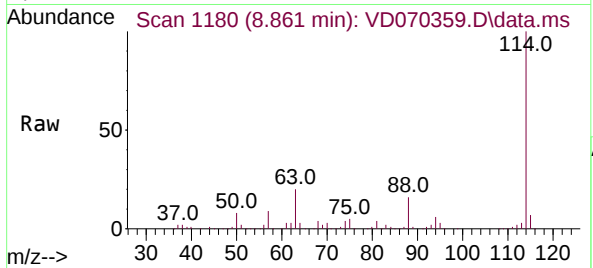




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070359.D
Acq: 14 Sep 2021 18:01

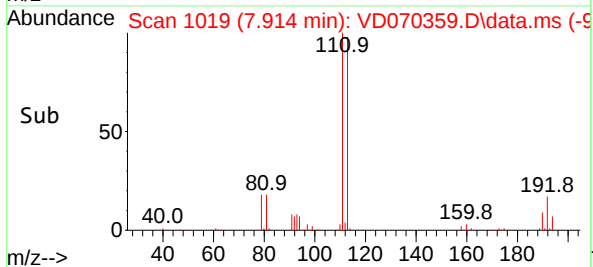
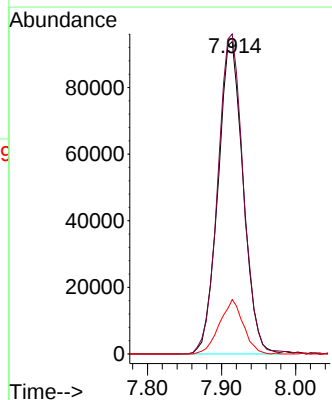
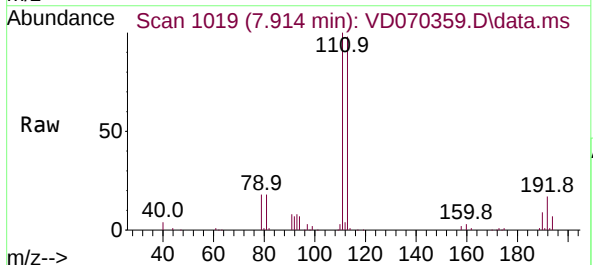
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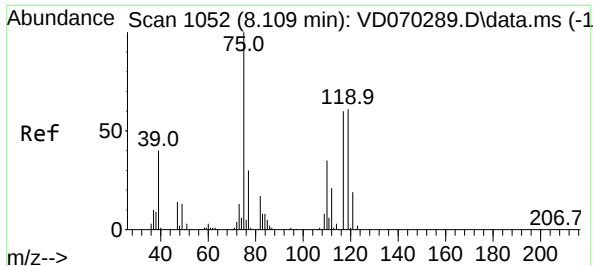
Tgt Ion:114 Resp: 632759
Ion Ratio Lower Upper
114 100
63 20.1 0.0 43.4
88 16.2 0.0 33.4



#35
Dibromofluoromethane
Concen: 49.200 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070359.D
Acq: 14 Sep 2021 18:01

Tgt Ion:113 Resp: 221598
Ion Ratio Lower Upper
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111 103.5 81.4 122.2
192 16.4 13.0 19.6

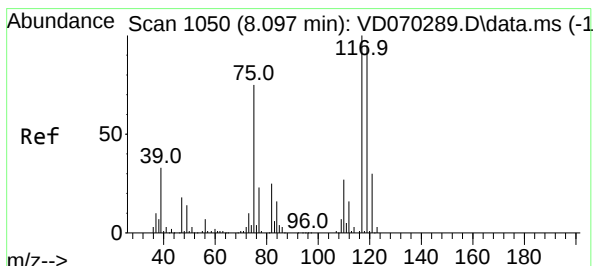
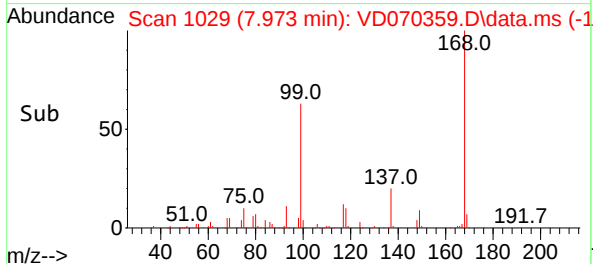
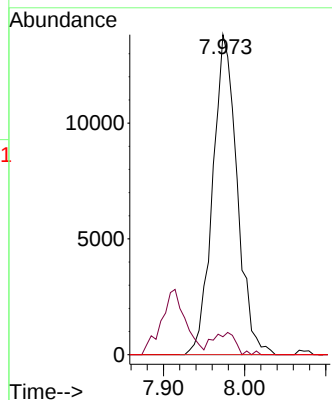
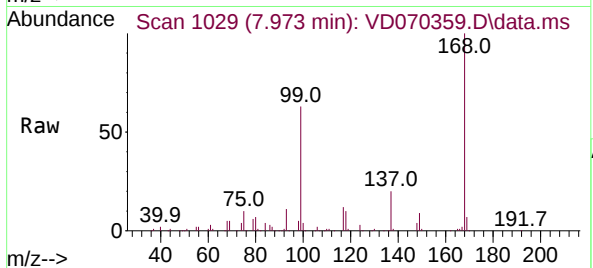




#36
1,1-Dichloropropene
Concen: 4.281 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070359.D
Acq: 14 Sep 2021 18:01

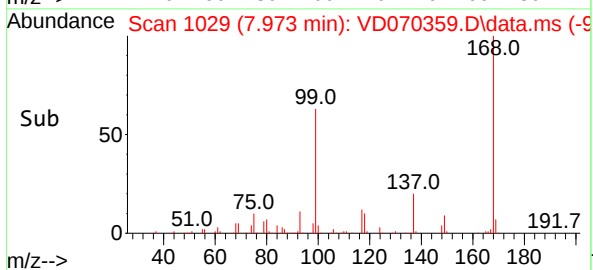
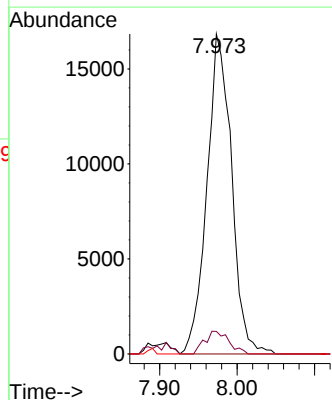
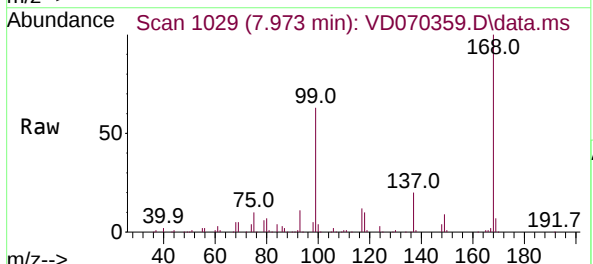
Instrument :
MSVOA_D
ClientSampleId :
A003015

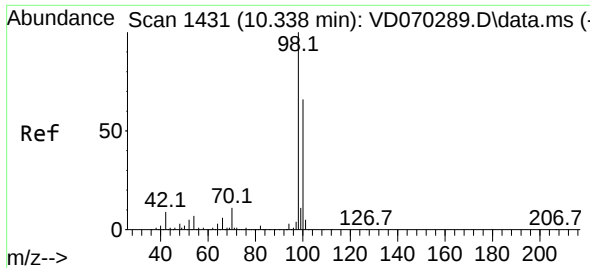
Tgt Ion: 75 Resp: 28956
Ion Ratio Lower Upper
75 100
110 6.7 17.9 53.7#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.558 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070359.D
Acq: 14 Sep 2021 18:01

Tgt Ion: 117 Resp: 37176
Ion Ratio Lower Upper
117 100
119 7.1 76.1 114.1#
121 0.0 23.8 35.6#

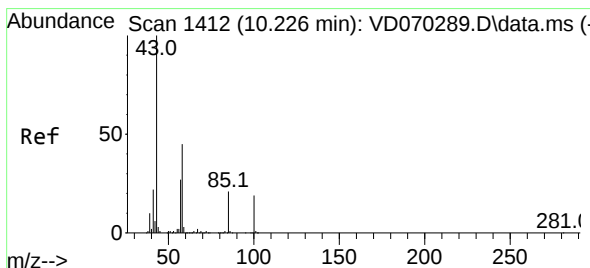
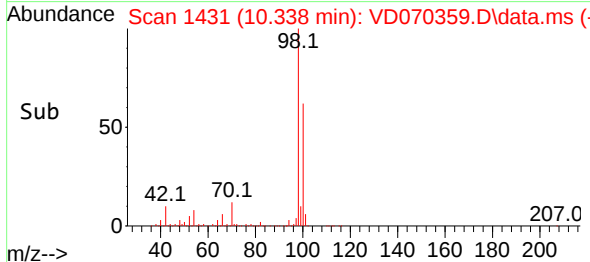
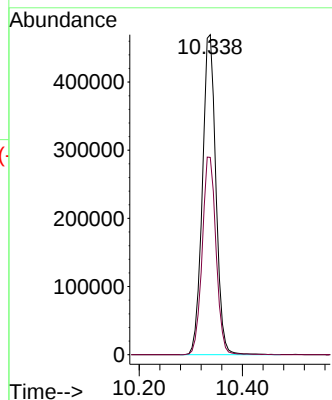
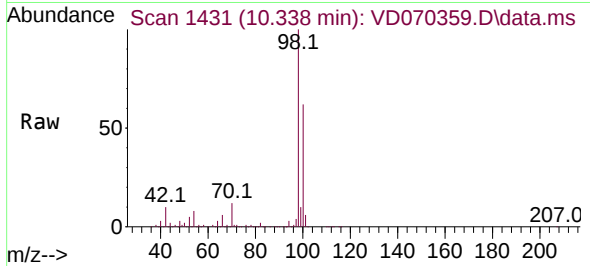




#50
Toluene-d8
Concen: 51.969 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070359.D
Acq: 14 Sep 2021 18:01

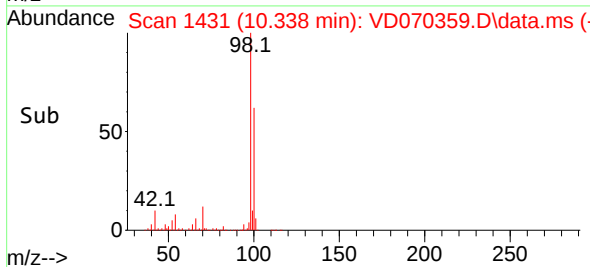
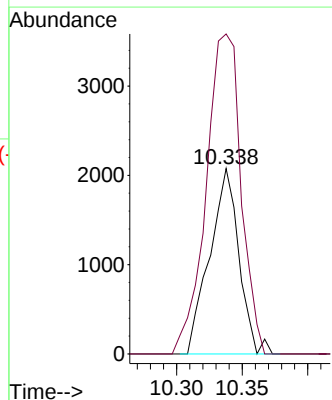
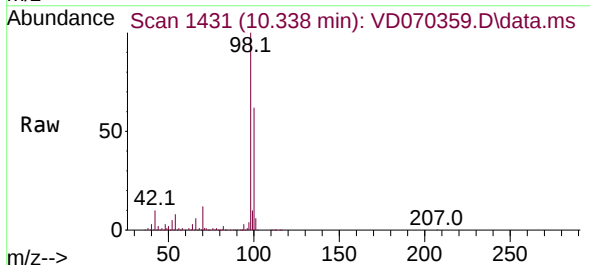
Instrument :
MSVOA_D
ClientSampleId :
A003015

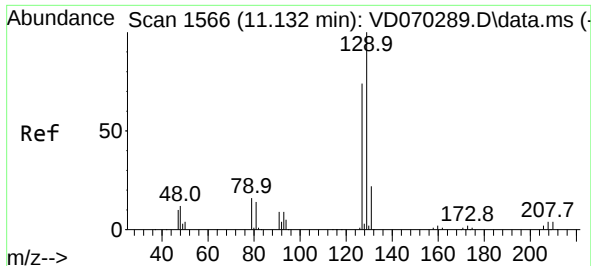
Tgt Ion: 98 Resp: 849862
Ion Ratio Lower Upper
98 100
100 63.2 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.331 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD070359.D
Acq: 14 Sep 2021 18:01

Tgt Ion: 43 Resp: 3220
Ion Ratio Lower Upper
43 100
58 206.0 35.4 53.2#

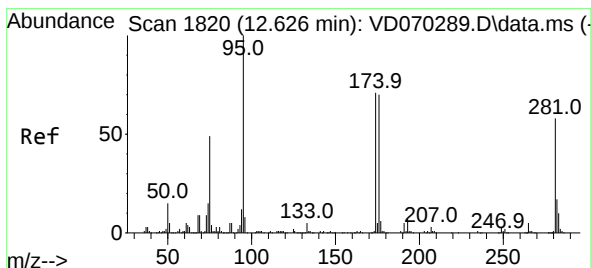
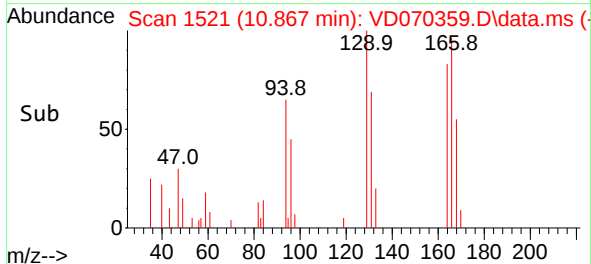
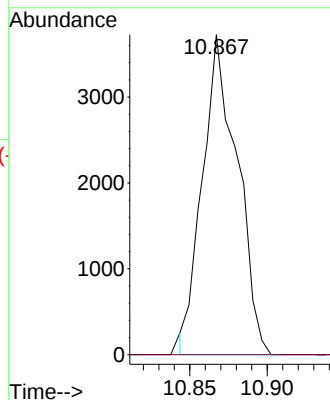
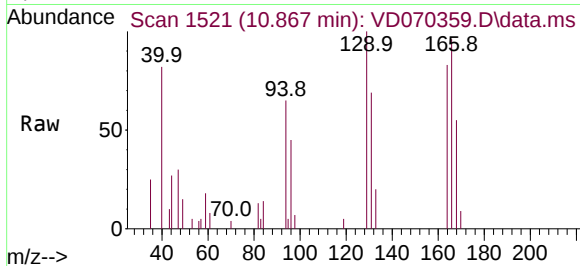




#60
Dibromochloromethane
Concen: 1.355 ug/l
RT: 10.867 min Scan# 1521
Delta R.T. -0.265 min
Lab File: VD070359.D
Acq: 14 Sep 2021 18:01

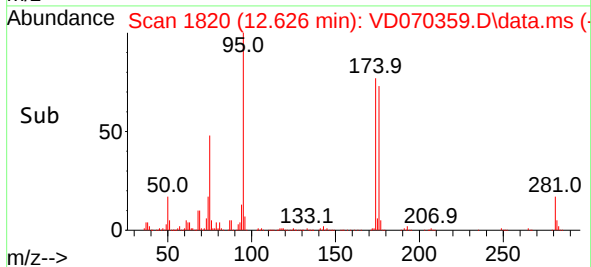
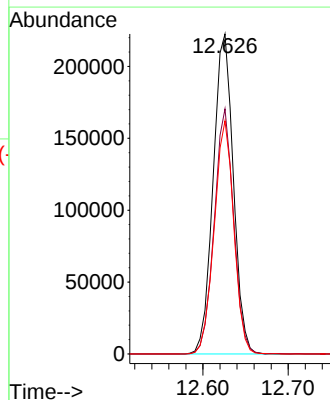
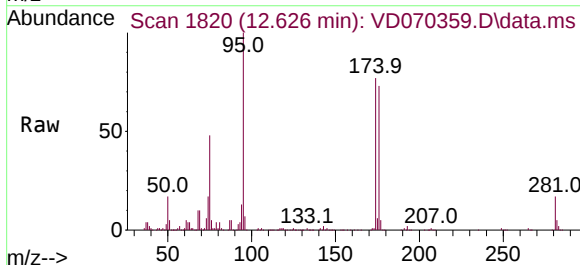
Instrument :
MSVOA_D
ClientSampleId :
A003015

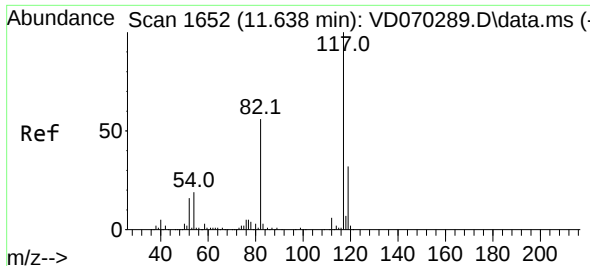
Tgt Ion:129 Resp: 5807
Ion Ratio Lower Upper
129 100
127 0.0 38.0 114.0#



#62
4-Bromofluorobenzene
Concen: 63.965 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070359.D
Acq: 14 Sep 2021 18:01

Tgt Ion: 95 Resp: 365572
Ion Ratio Lower Upper
95 100
174 73.9 0.0 140.6
176 70.8 0.0 137.4

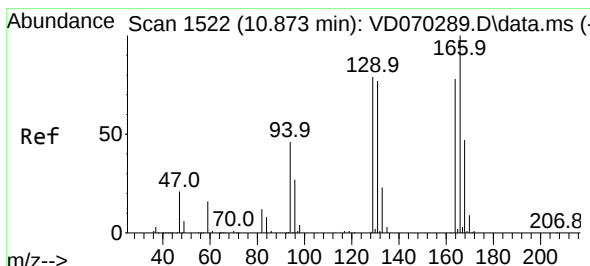
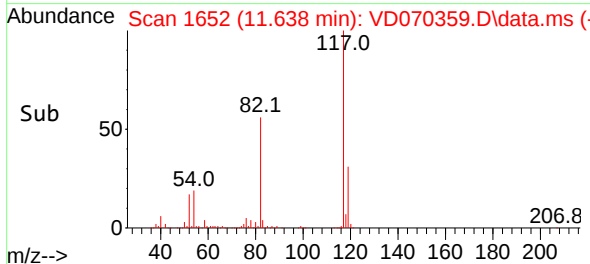
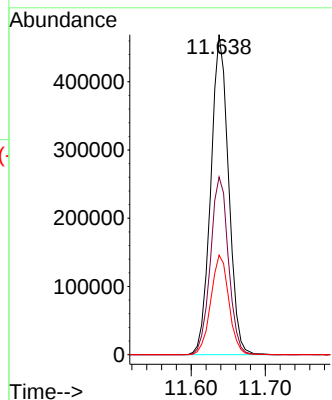
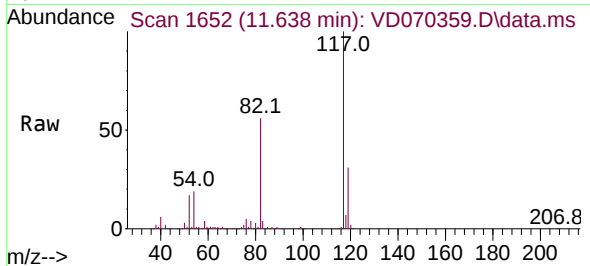




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070359.D
Acq: 14 Sep 2021 18:01

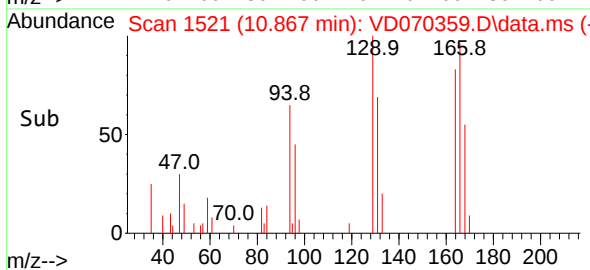
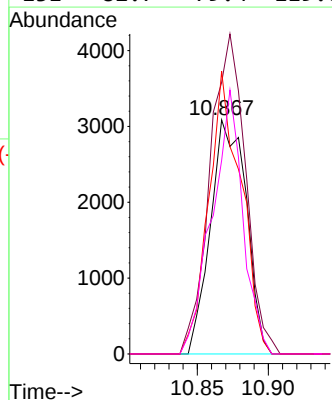
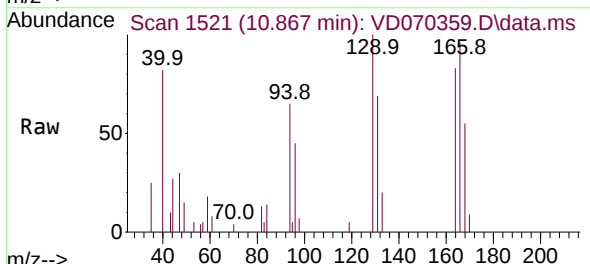
Instrument :
MSVOA_D
ClientSampleId :
A003015

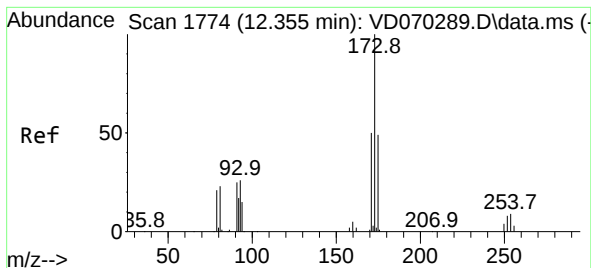
Tgt Ion:	117	Resp:	780687
Ion Ratio	Lower	Upper	
117	100		
82	55.5	45.0	67.4
119	31.1	25.2	37.8



#64
Tetrachloroethene
Concen: 1.137 ug/l
RT: 10.867 min Scan# 1521
Delta R.T. -0.006 min
Lab File: VD070359.D
Acq: 14 Sep 2021 18:01

Tgt Ion:	164	Resp:	5404
Ion Ratio	Lower	Upper	
164	100		
166	115.9	102.4	153.6
129	120.7	80.9	121.3
131	82.7	79.4	119.0





#71

Bromoform

Concen: 1.002 ug/l

RT: 12.620 min Scan# 1819

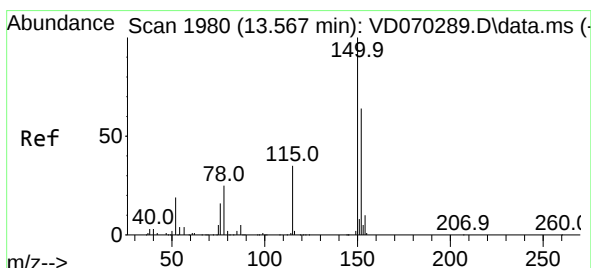
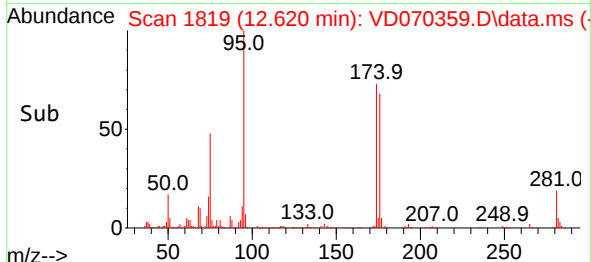
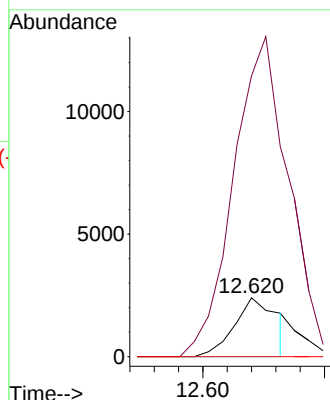
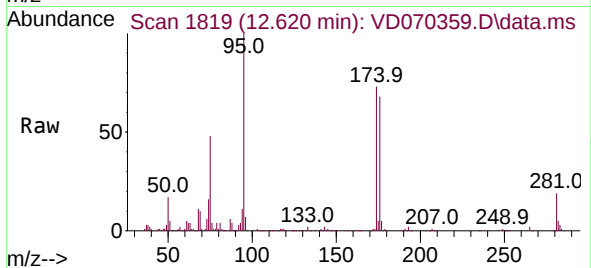
Delta R.T. 0.265 min

Lab File: VD070359.D

Acq: 14 Sep 2021 18:01

Tgt Ion:	173	Resp:	2932
Ion Ratio	Lower	Upper	
173	100		
175	579.3	25.1	75.2#
254	0.0	0.1	0.1#

Instrument :
MSVOA_D
ClientSampleId :
A003015



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

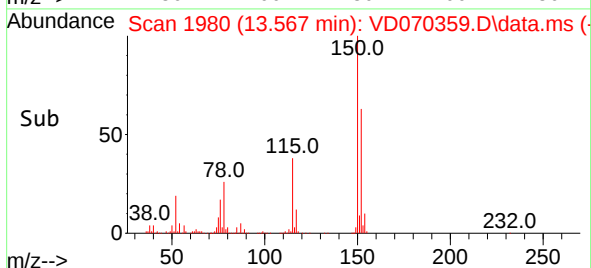
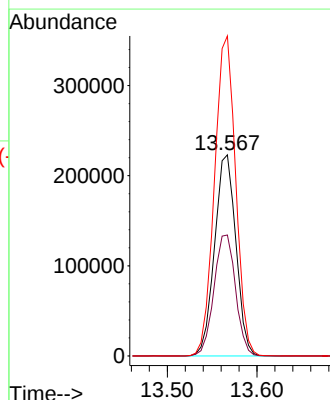
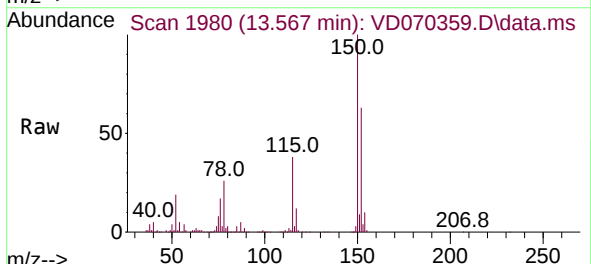
RT: 13.567 min Scan# 1980

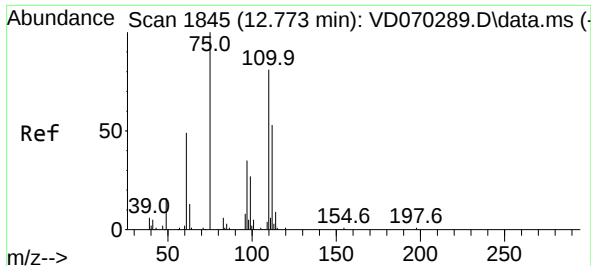
Delta R.T. -0.000 min

Lab File: VD070359.D

Acq: 14 Sep 2021 18:01

Tgt Ion:	152	Resp:	368185
Ion Ratio	Lower	Upper	
152	100		
115	61.1	32.1	96.3
150	157.8	0.0	350.6

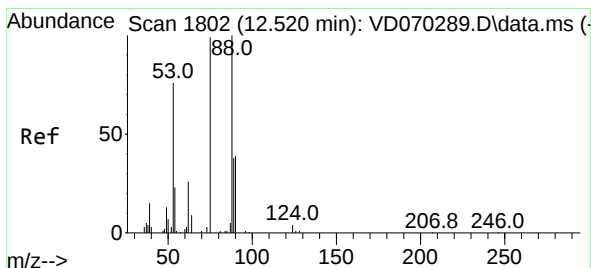
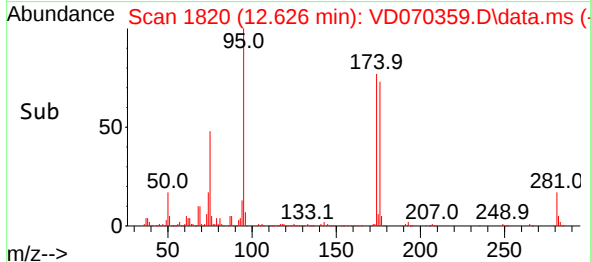
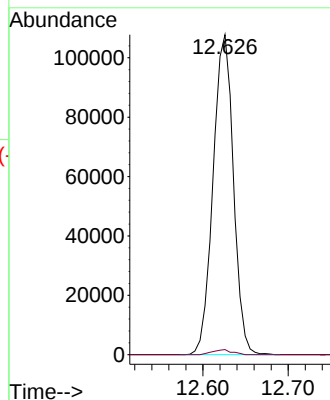
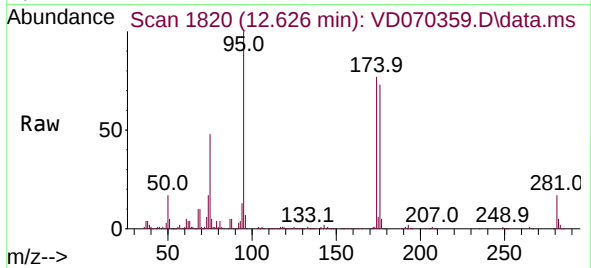




#76
1,2,3-Trichloropropane
Concen: 47.993 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070359.D
Acq: 14 Sep 2021 18:01

Instrument :
MSVOA_D
ClientSampleId :
A003015

Tgt Ion: 75 Resp: 178737
Ion Ratio Lower Upper
75 100
77 1.5 174.9 524.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 120.251 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070359.D
Acq: 14 Sep 2021 18:01

Tgt Ion: 75 Resp: 178737
Ion Ratio Lower Upper
75 100
53 0.2 64.2 96.2#
89 0.4 35.6 53.4#

