

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091421\
 Data File : VD070360.D
 Acq On : 14 Sep 2021 18:30
 Operator : VA/SY
 Sample : M3687-31
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A003145

Quant Time: Sep 15 02:47:45 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)

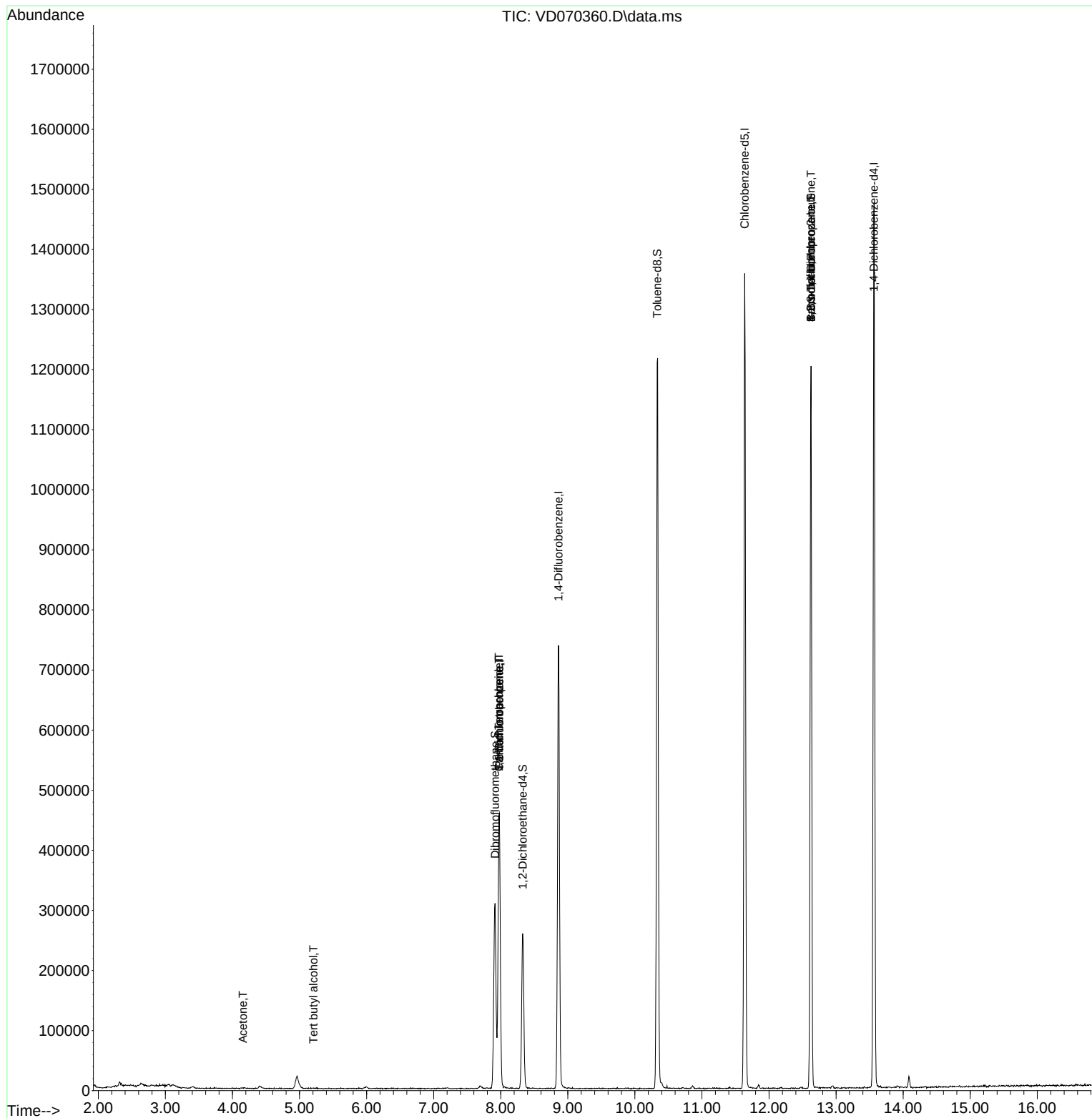
Internal Standards						
1) Pentafluorobenzene	7.979	168	328846	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	634556	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	804913	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	397954	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	205651	48.704	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.400%
35) Dibromofluoromethane	7.914	113	229195	50.742	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.480%
50) Toluene-d8	10.332	98	852694	51.995	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.980%
62) 4-Bromofluorobenzene	12.626	95	389107	67.890	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	135.780%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	138	Below Cal	#	43
3) Chloromethane	2.203	50	257	Below Cal	#	63
5) Bromomethane	2.779	94	657	Below Cal	#	70
6) Chloroethane	2.926	64	59	Below Cal	#	43
11) Tert butyl alcohol	5.209	59	1187	2.486	ug/l #	100
16) Acetone	4.156	43	1867	2.477	ug/l	100
18) Methyl Acetate	4.826	43	58	Below Cal	#	48
20) Methylene Chloride	4.962	84	17009	Below Cal		93
36) 1,1-Dichloropropene	7.973	75	29992	4.422	ug/l #	48
38) Carbon Tetrachloride	7.973	117	34096	5.083	ug/l #	18
71) Bromoform	12.626	173	3100	1.027	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	193989	48.192	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	193989	120.749	ug/l #	17

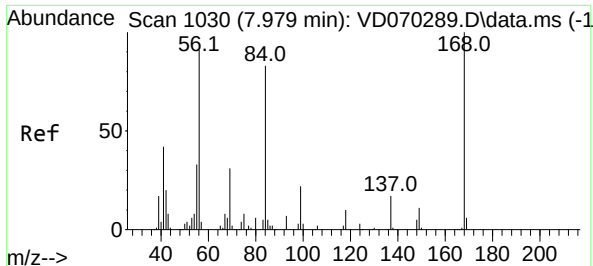
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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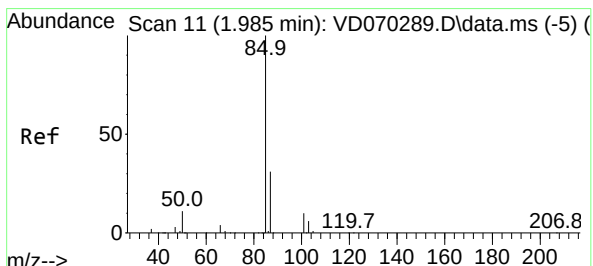
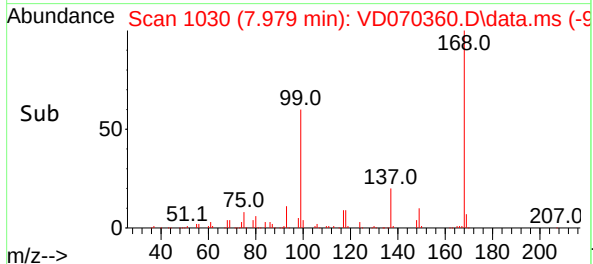
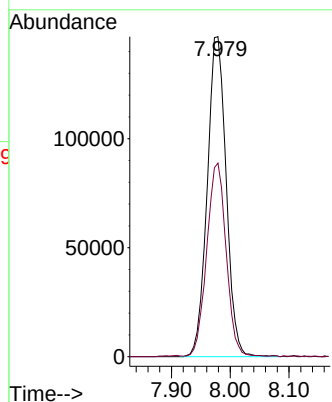
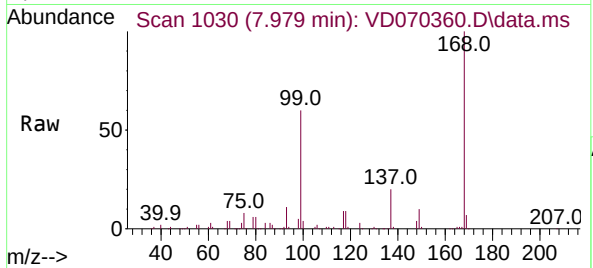




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070360.D
Acq: 14 Sep 2021 18:30

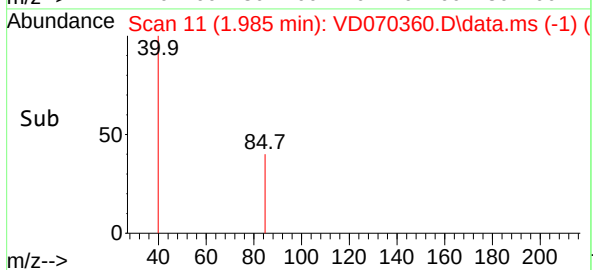
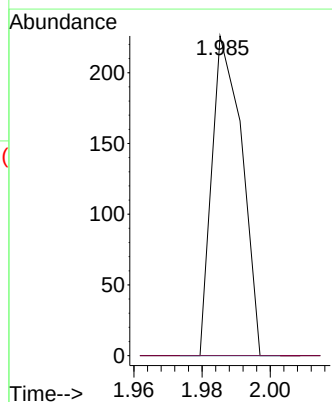
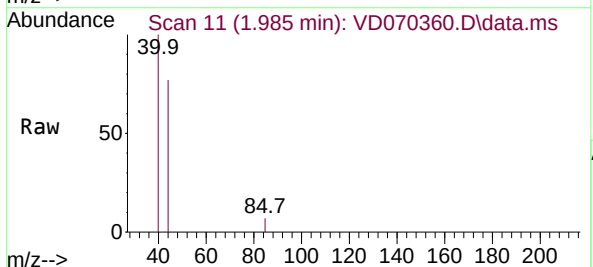
Instrument :
MSVOA_D
ClientSampled :
A003145

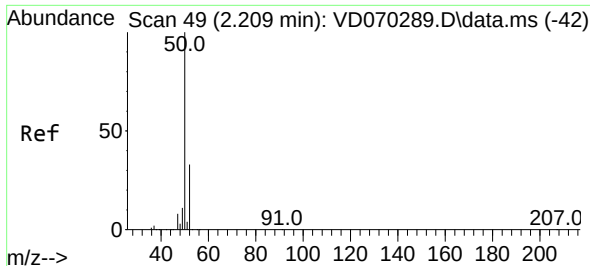
Tgt Ion:168 Resp: 328846
Ion Ratio Lower Upper
168 100
99 60.5 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.985 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD070360.D
Acq: 14 Sep 2021 18:30

Tgt Ion: 85 Resp: 138
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

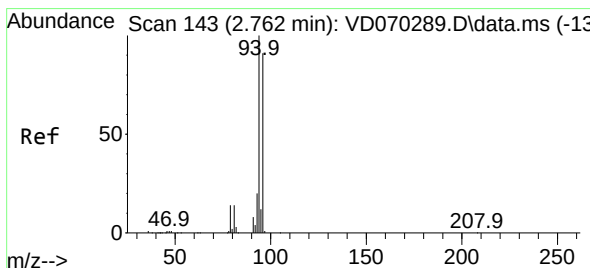
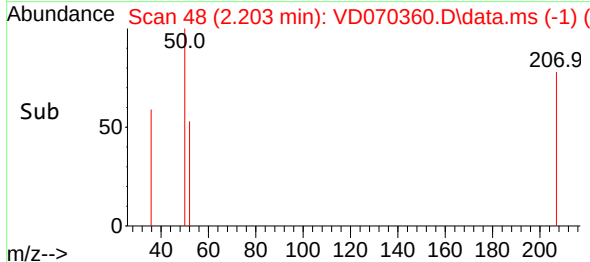
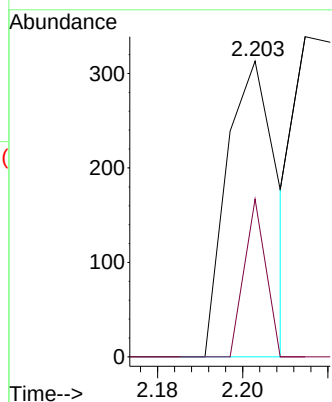
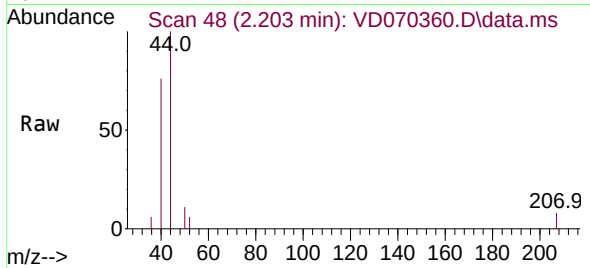




#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD070360.D
Acq: 14 Sep 2021 18:30

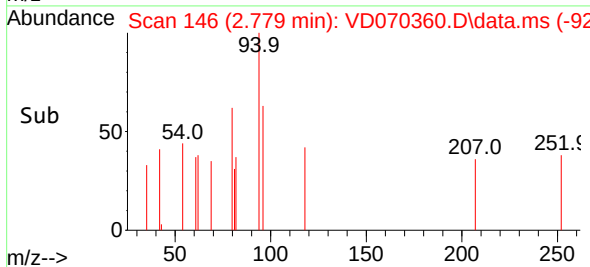
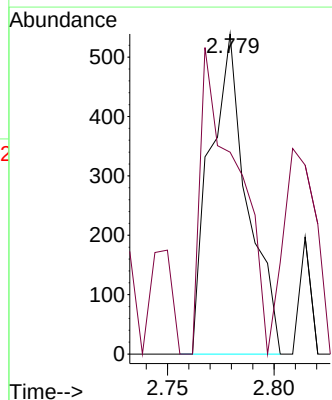
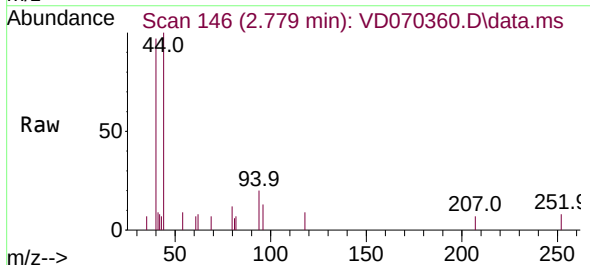
Instrument :
MSVOA_D
ClientSampled :
A003145

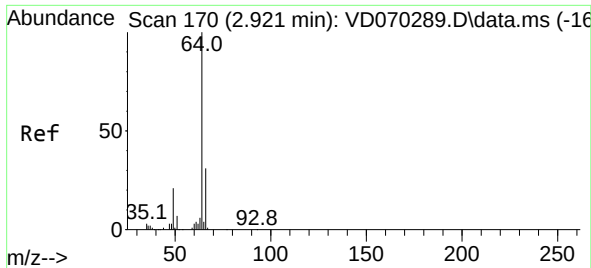
Tgt Ion: 50 Resp: 257
Ion Ratio Lower Upper
50 100
52 53.4 26.2 39.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070360.D
Acq: 14 Sep 2021 18:30

Tgt Ion: 94 Resp: 657
Ion Ratio Lower Upper
94 100
96 63.1 73.0 109.6#

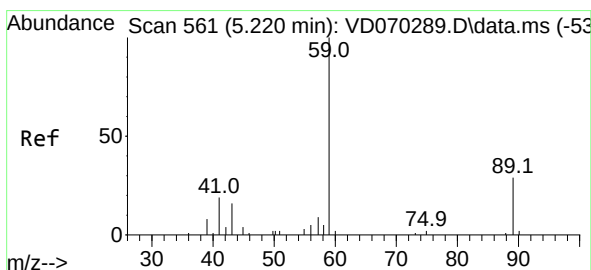
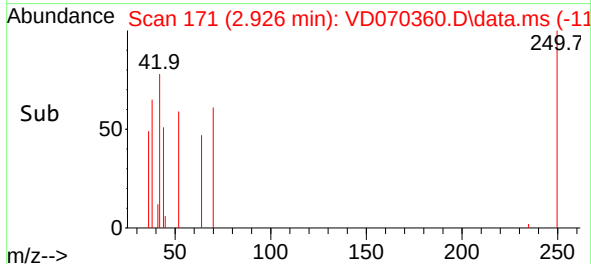
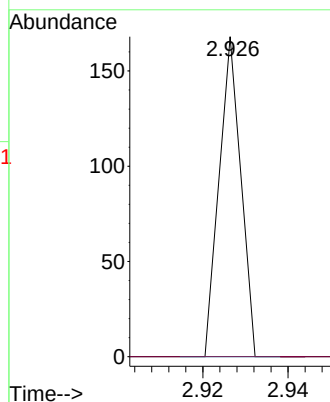
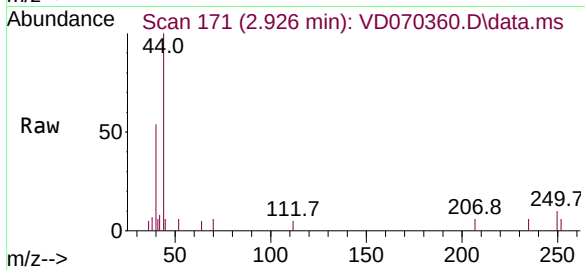




#6
Chloroethane
Concen: Below Cal
RT: 2.926 min Scan# 171
Delta R.T. 0.005 min
Lab File: VD070360.D
Acq: 14 Sep 2021 18:30

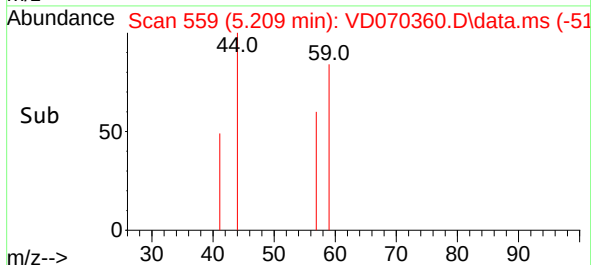
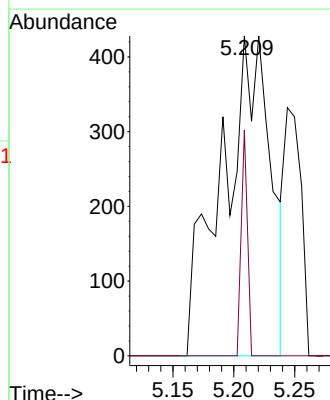
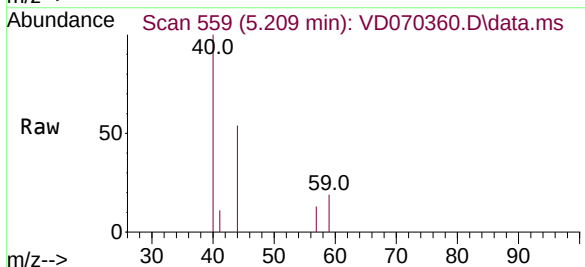
Instrument :
MSVOA_D
ClientSampleId :
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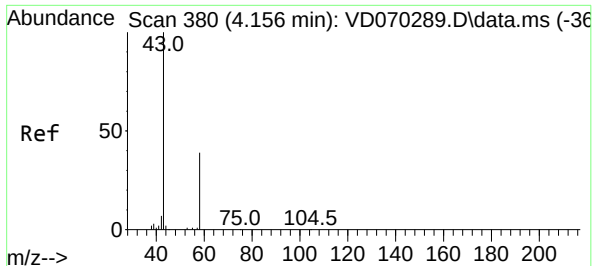
Tgt Ion: 64 Resp: 59
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#11
Tert butyl alcohol
Concen: 2.486 ug/l
RT: 5.209 min Scan# 559
Delta R.T. -0.011 min
Lab File: VD070360.D
Acq: 14 Sep 2021 18:30

Tgt Ion: 59 Resp: 1187
Ion Ratio Lower Upper
59 100
57 9.0 0.0 0.0#

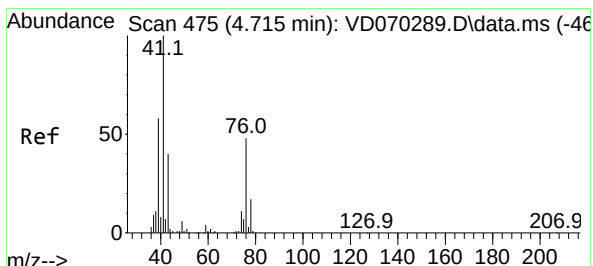
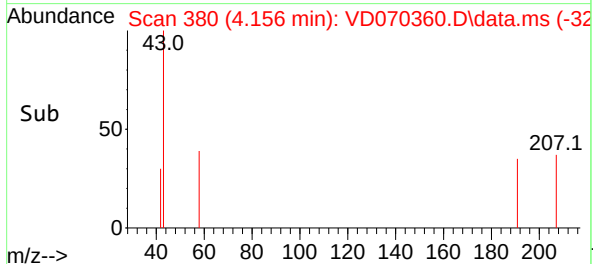
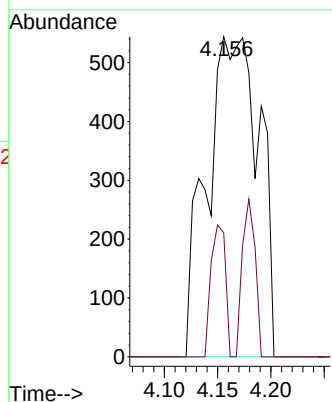
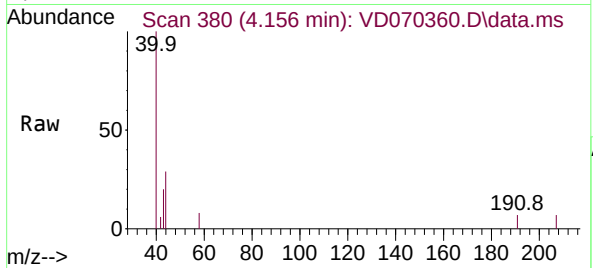




#16
Acetone
Concen: 2.477 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070360.D
Acq: 14 Sep 2021 18:30

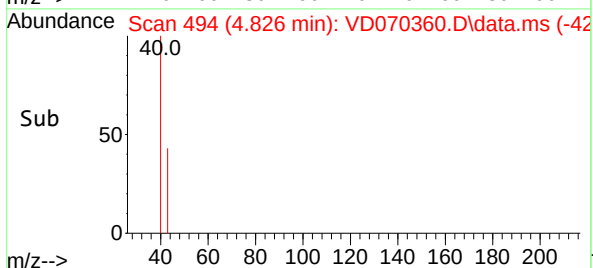
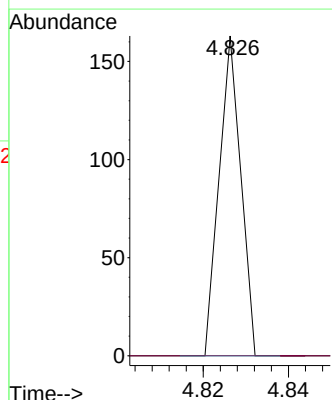
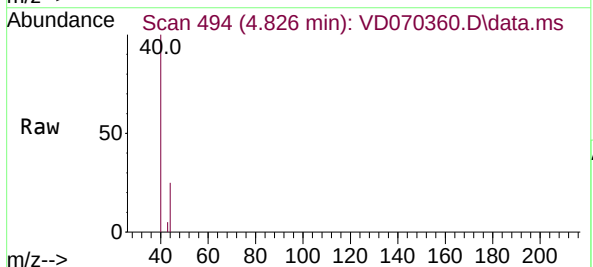
Instrument :
MSVOA_D
ClientSampleId :
A003145

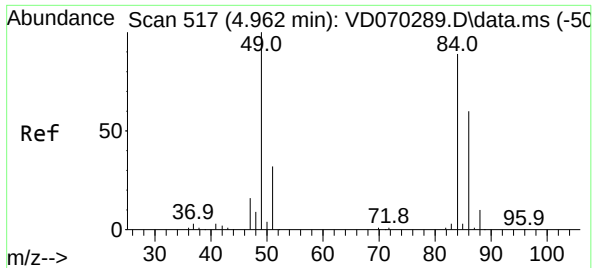
Tgt Ion: 43 Resp: 1867
Ion Ratio Lower Upper
43 100
58 38.8 30.9 46.3



#18
Methyl Acetate
Concen: Below Cal
RT: 4.826 min Scan# 494
Delta R.T. 0.111 min
Lab File: VD070360.D
Acq: 14 Sep 2021 18:30

Tgt Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#

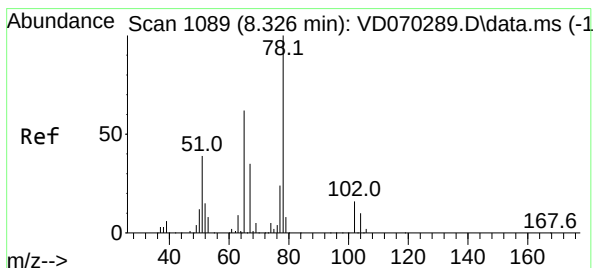
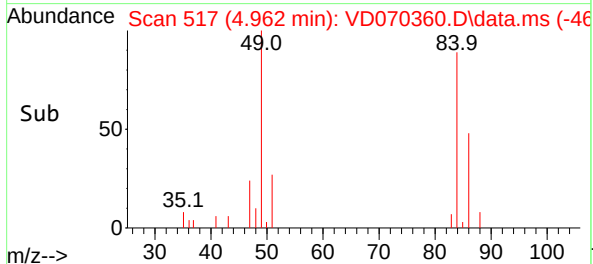
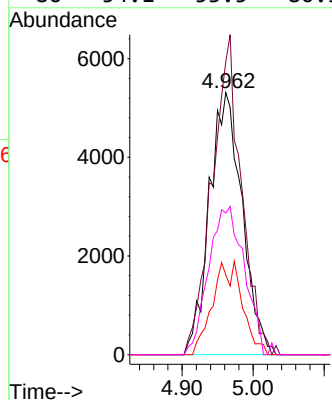
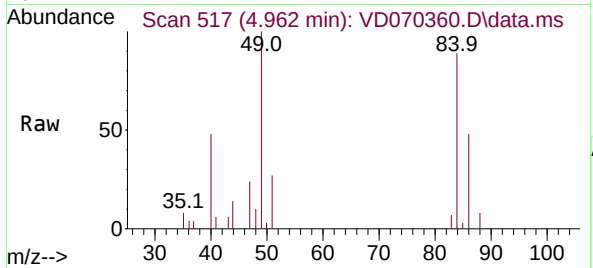




#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD070360.D
Acq: 14 Sep 2021 18:30

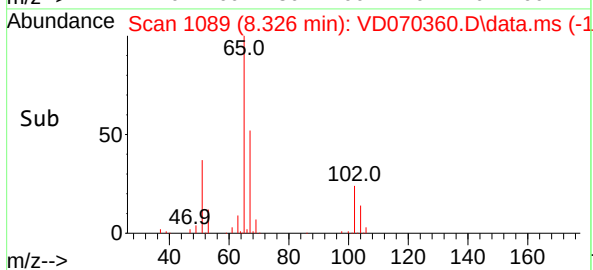
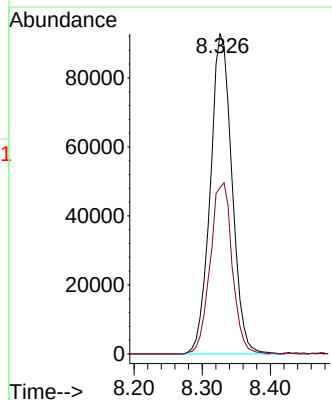
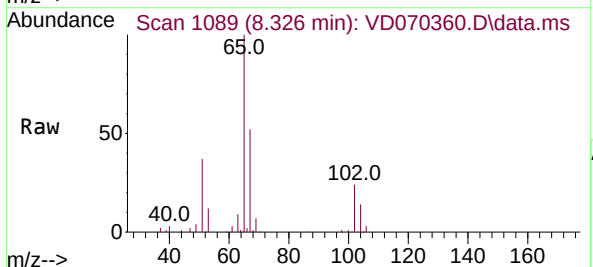
Instrument :
MSVOA_D
ClientSampleId :
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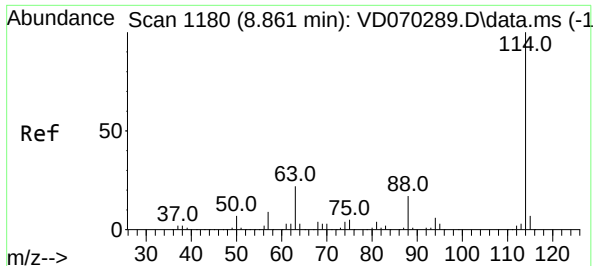
Tgt Ion:	84	Resp:	17009
Ion	Ratio	Lower	Upper
84	100		
49	111.8	89.6	134.4
51	30.5	28.6	43.0
86	54.1	53.5	80.3



#33
1,2-Dichloroethane-d4
Concen: 48.704 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070360.D
Acq: 14 Sep 2021 18:30

Tgt Ion:	65	Resp:	205651
Ion	Ratio	Lower	Upper
65	100		
67	54.2	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: VD070360.D

Acq: 14 Sep 2021 18:30

Instrument :

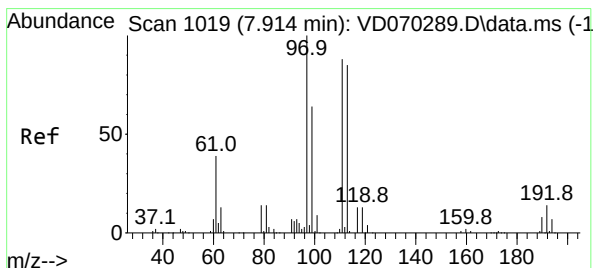
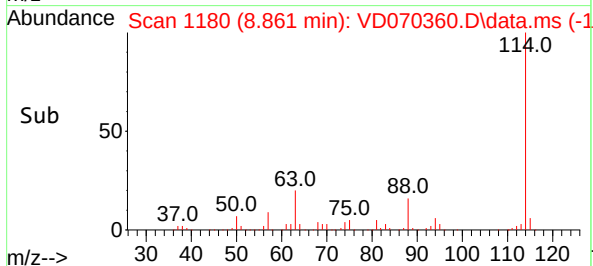
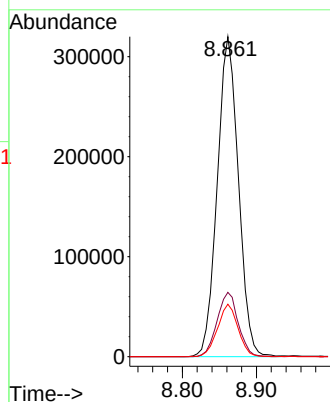
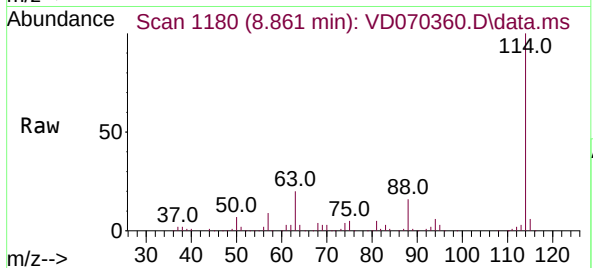
MSVOA_D

ClientSampleId :

A003145

Tgt Ion:114 Resp: 634556

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	43.4
88	16.4	0.0	33.4



#35

Dibromofluoromethane

Concen: 50.742 ug/l

RT: 7.914 min Scan# 1019

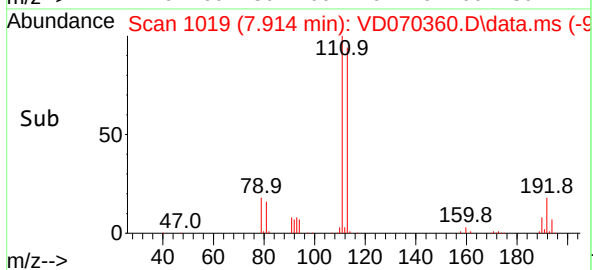
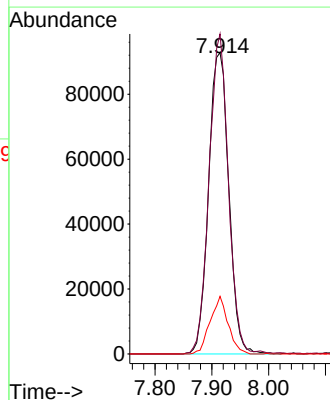
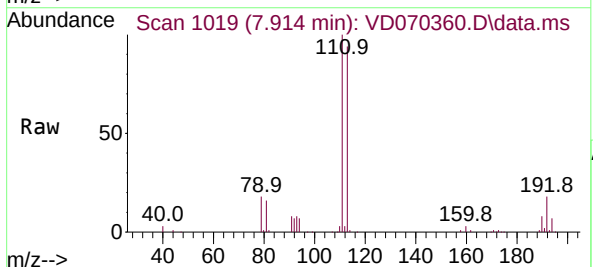
Delta R.T. -0.000 min

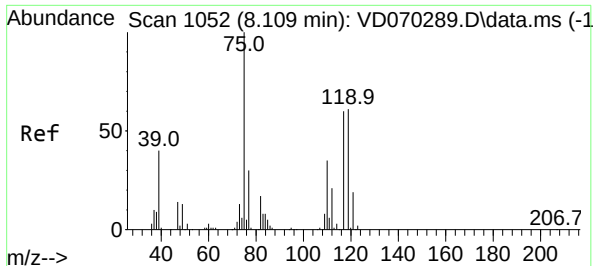
Lab File: VD070360.D

Acq: 14 Sep 2021 18:30

Tgt Ion:113 Resp: 229195

Ion	Ratio	Lower	Upper
113	100		
111	101.0	81.4	122.2
192	17.1	13.0	19.6



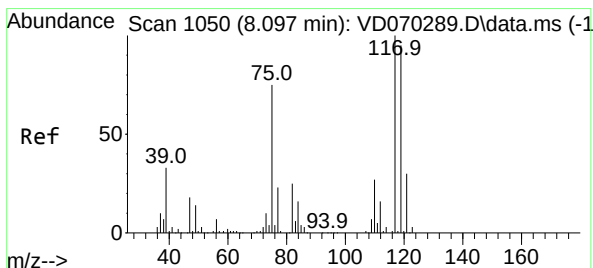
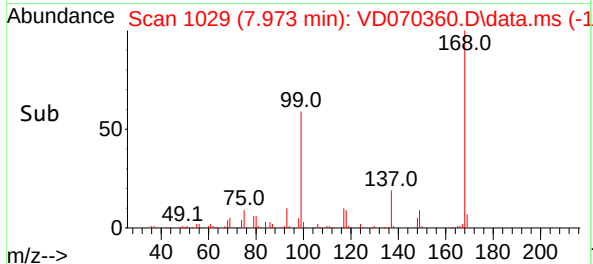
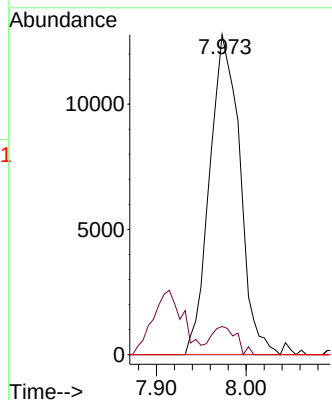
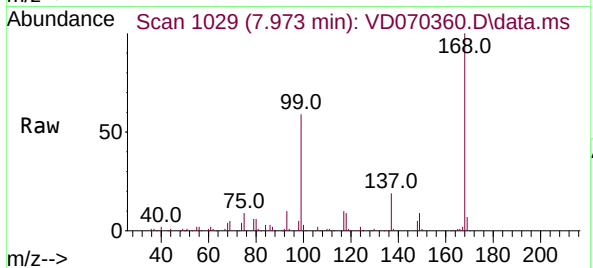


#36

1,1-Dichloropropene
Concen: 4.422 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070360.D
Acq: 14 Sep 2021 18:30

Instrument :
MSVOA_D
ClientSampled :
A003145

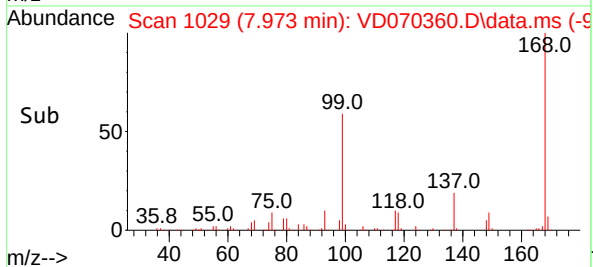
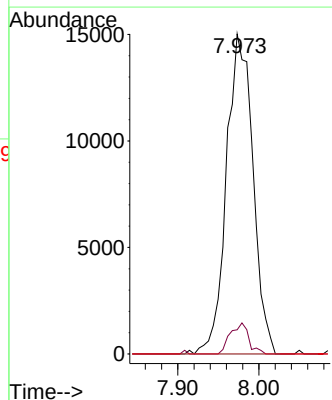
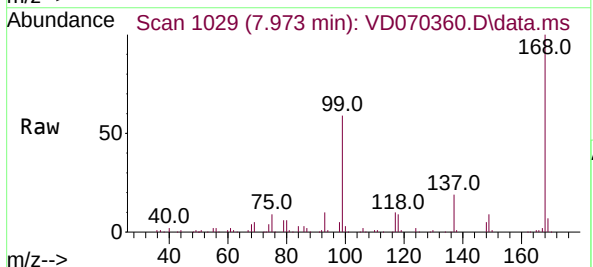
Tgt Ion: 75 Resp: 29992
Ion Ratio Lower Upper
75 100
110 7.5 17.9 53.7#
77 0.0 25.3 37.9#

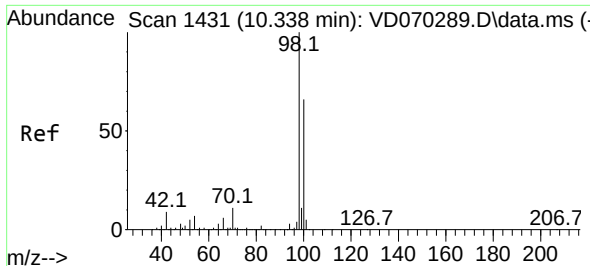


#38

Carbon Tetrachloride
Concen: 5.083 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070360.D
Acq: 14 Sep 2021 18:30

Tgt Ion: 117 Resp: 34096
Ion Ratio Lower Upper
117 100
119 7.5 76.1 114.1#
121 0.0 23.8 35.6#

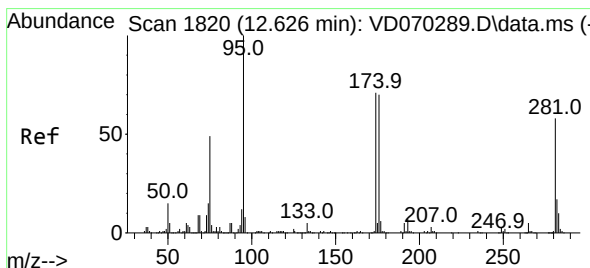
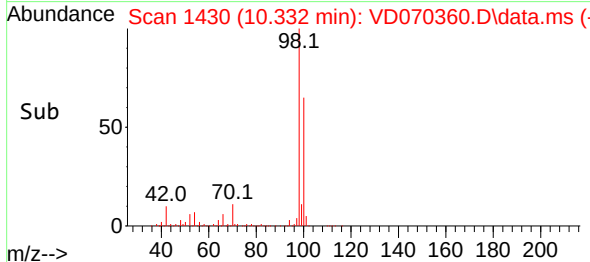
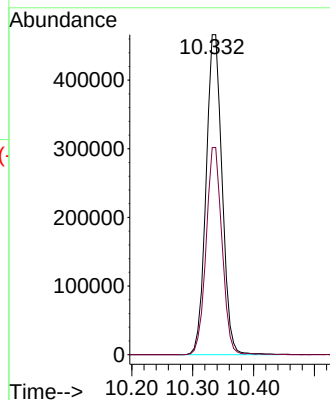
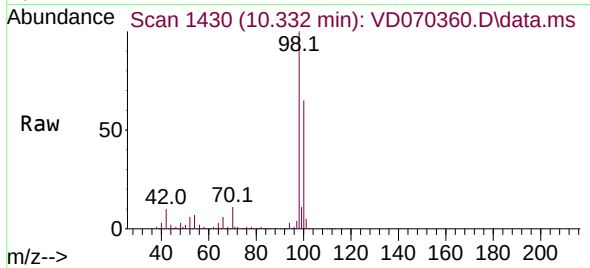




#50
Toluene-d8
Concen: 51.995 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070360.D
Acq: 14 Sep 2021 18:30

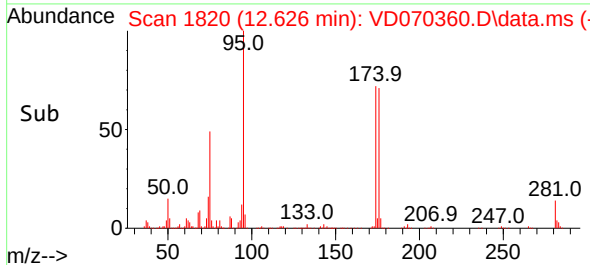
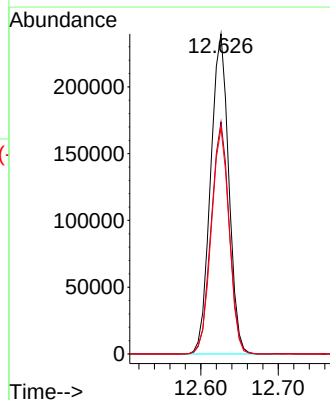
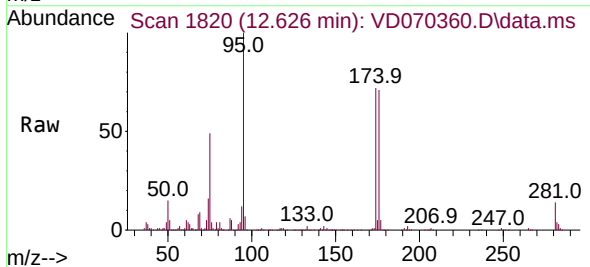
Instrument :
MSVOA_D
ClientSampleId :
A003145

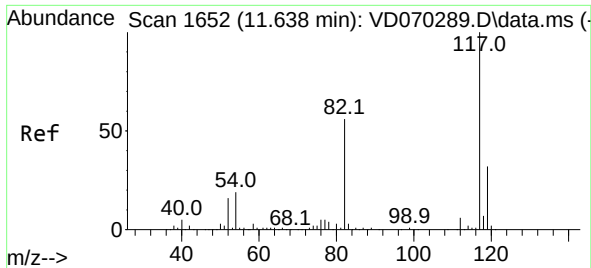
Tgt Ion: 98 Resp: 852694
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 67.890 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070360.D
Acq: 14 Sep 2021 18:30

Tgt Ion: 95 Resp: 389107
Ion Ratio Lower Upper
95 100
174 72.0 0.0 140.6
176 69.4 0.0 137.4

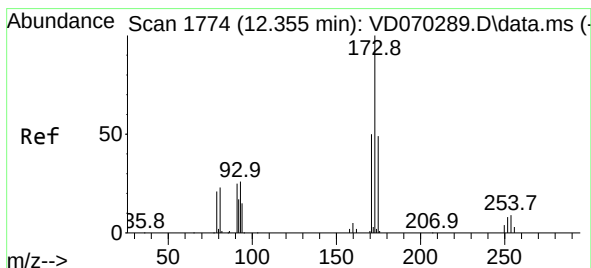
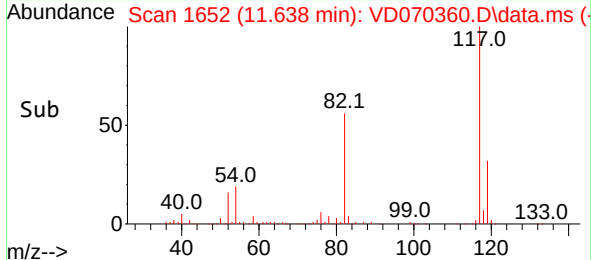
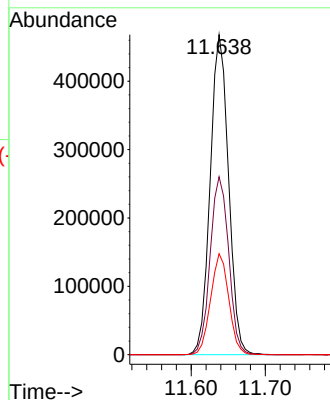
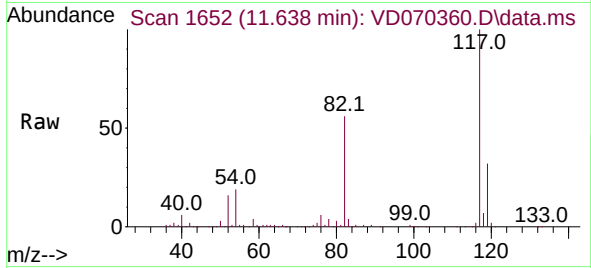




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070360.D
Acq: 14 Sep 2021 18:30

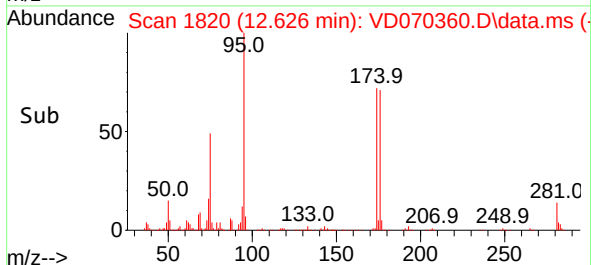
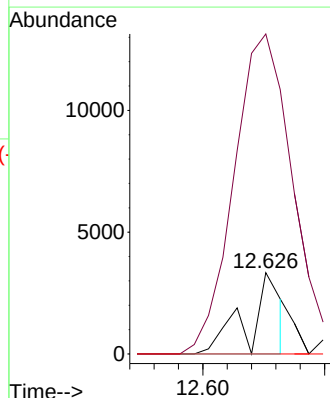
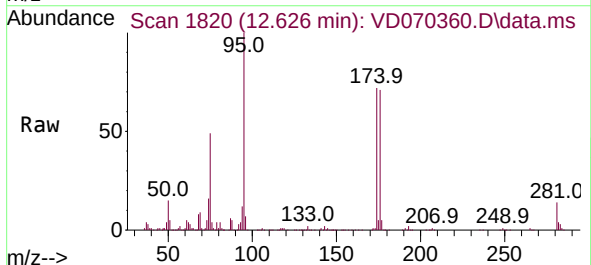
Instrument :
MSVOA_D
ClientSampleId :
A003145

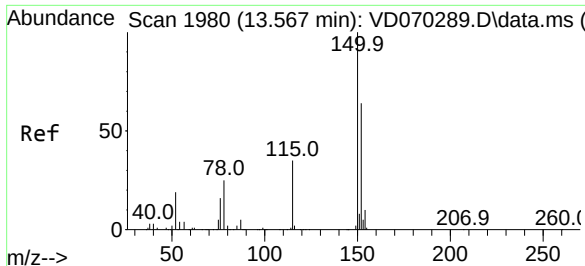
Tgt Ion:117 Resp: 804913
Ion Ratio Lower Upper
117 100
82 55.6 45.0 67.4
119 31.6 25.2 37.8



#71
Bromoform
Concen: 1.027 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD070360.D
Acq: 14 Sep 2021 18:30

Tgt Ion:173 Resp: 3100
Ion Ratio Lower Upper
173 100
175 576.2 25.1 75.2#
254 0.0 0.1 0.1#

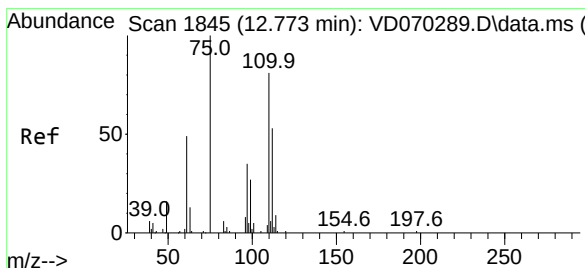
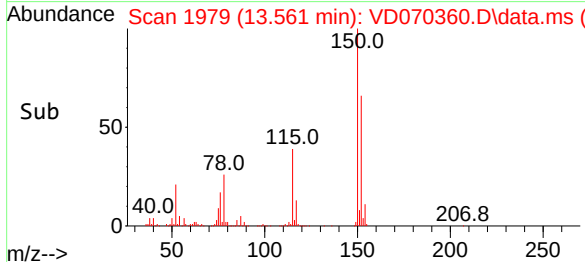
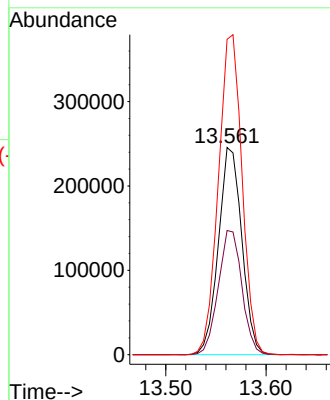
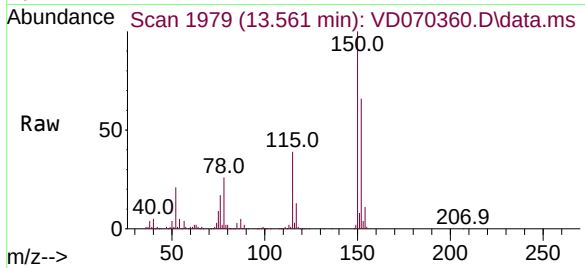




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD070360.D
Acq: 14 Sep 2021 18:30

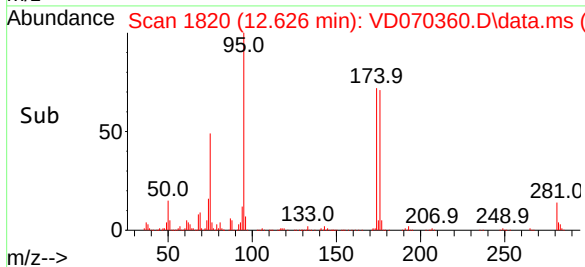
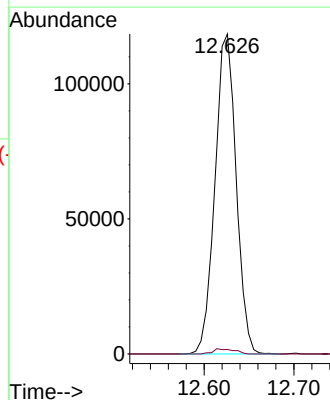
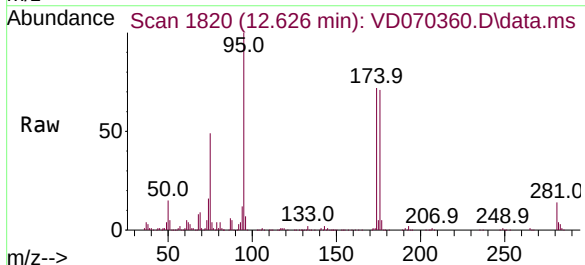
Instrument :
MSVOA_D
ClientSampleId :
A003145

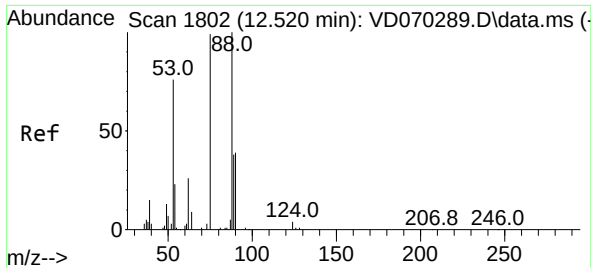
Tgt Ion:152 Resp: 397954
Ion Ratio Lower Upper
152 100
115 60.4 32.1 96.3
150 156.2 0.0 350.6



#76
1,2,3-Trichloropropane
Concen: 48.192 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070360.D
Acq: 14 Sep 2021 18:30

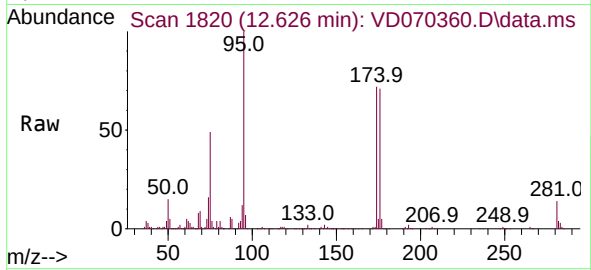
Tgt Ion: 75 Resp: 193989
Ion Ratio Lower Upper
75 100
77 1.6 174.9 524.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 120.749 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD070360.D
 Acq: 14 Sep 2021 18:30

Instrument :
 MSVOA_D
 ClientSampleId :
 A003145



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.3	64.2	96.2#
89	0.1	35.6	53.4#

