

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091421\
 Data File : VD070358.D
 Acq On : 14 Sep 2021 17:33
 Operator : VA/SY
 Sample : M3687-29
 Misc : 5.71G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A004145

Quant Time: Sep 15 02:47:20 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)

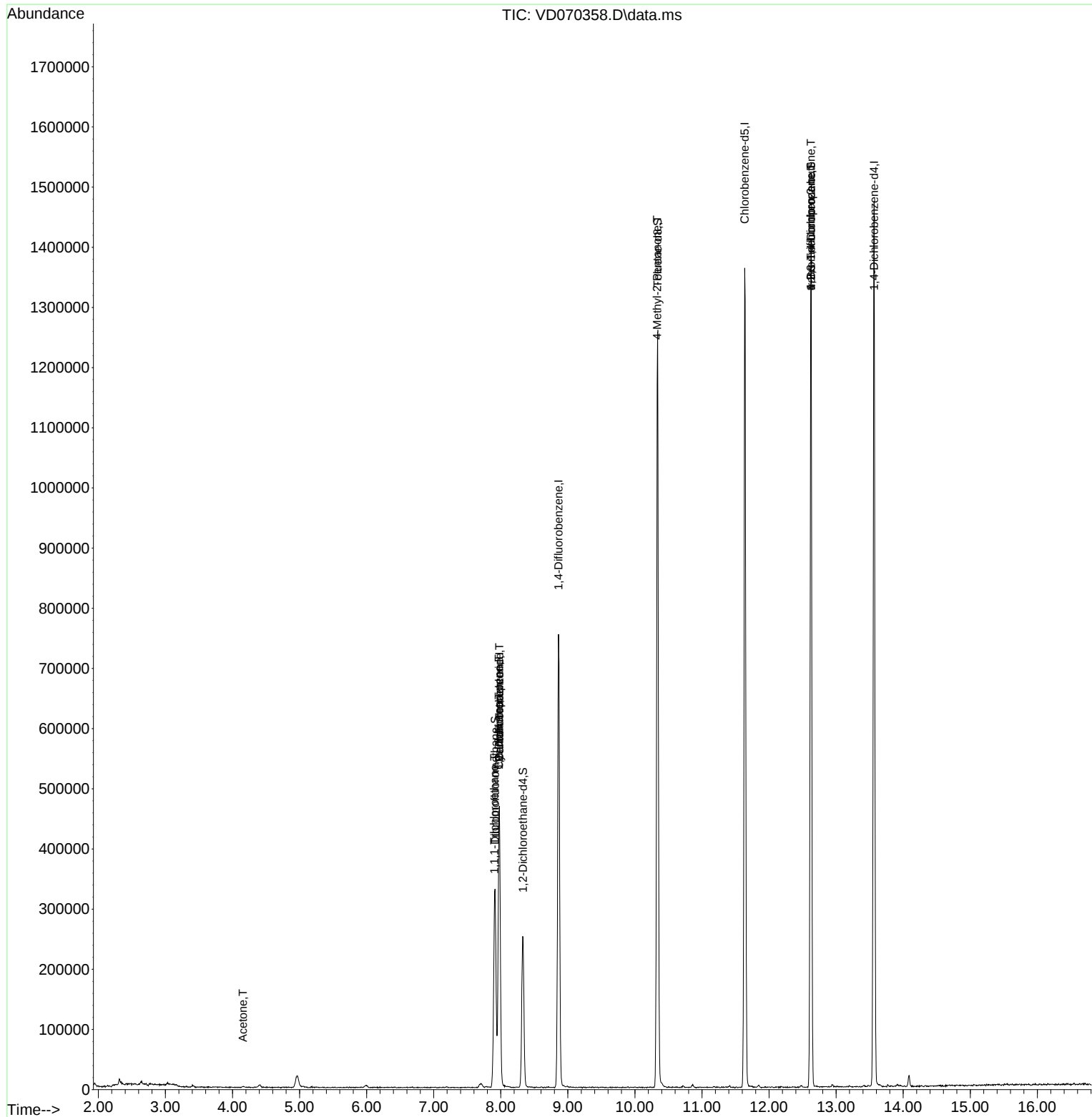
Internal Standards						
1) Pentafluorobenzene	7.979	168	324046	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	643440	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	796161	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	381936	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	204129	49.060	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.120%
35) Dibromofluoromethane	7.914	113	229074	50.015	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.040%
50) Toluene-d8	10.338	98	868885	52.251	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.500%
62) 4-Bromofluorobenzene	12.626	95	398603	68.586	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	137.180%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	137	Below Cal	#	43
3) Chloromethane	2.209	50	729	Below Cal		92
5) Bromomethane	2.779	94	892	Below Cal	#	52
6) Chloroethane	2.903	64	56	Below Cal	#	43
16) Acetone	4.155	43	1295	1.743	ug/l #	71
18) Methyl Acetate	4.826	43	79	Below Cal	#	48
20) Methylene Chloride	4.961	84	16828	Below Cal		94
31) Cyclohexane	7.973	56	7853	1.096	ug/l #	1
32) 1,1,1-Trichloroethane	7.902	97	27225	3.758	ug/l	92
36) 1,1-Dichloropropene	7.973	75	29777	4.330	ug/l #	49
38) Carbon Tetrachloride	7.979	117	36296	5.336	ug/l #	18
51) 4-Methyl-2-Pentanone	10.332	43	3072	1.248	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	194632	50.379	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	194632	126.230	ug/l #	18

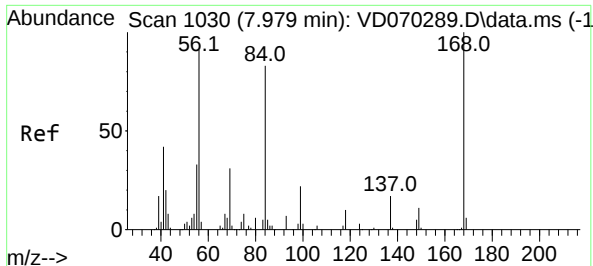
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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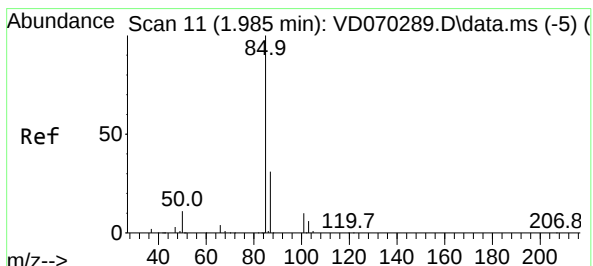
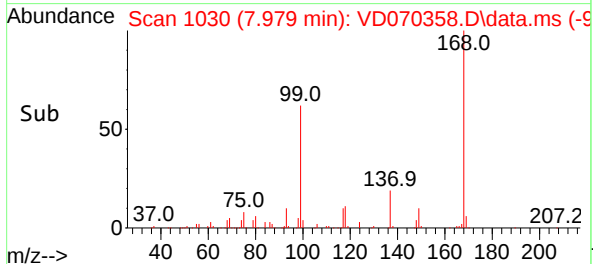
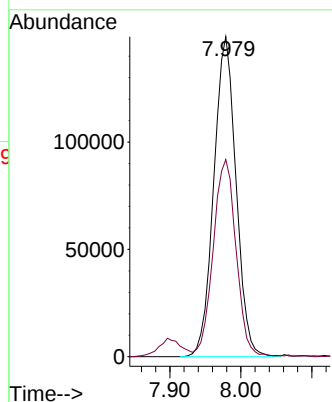
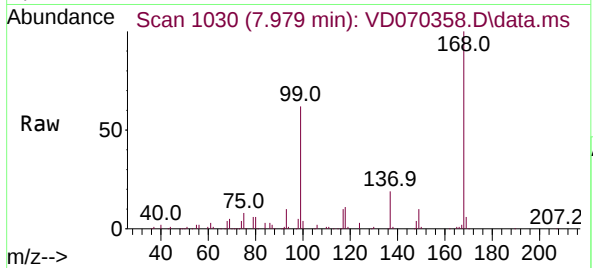




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070358.D
Acq: 14 Sep 2021 17:33

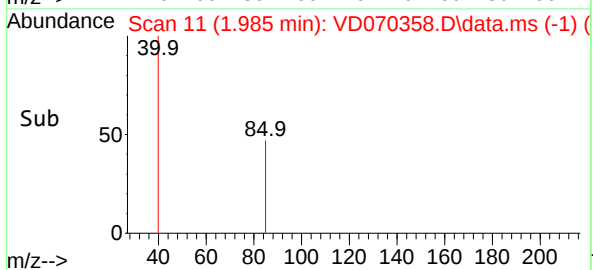
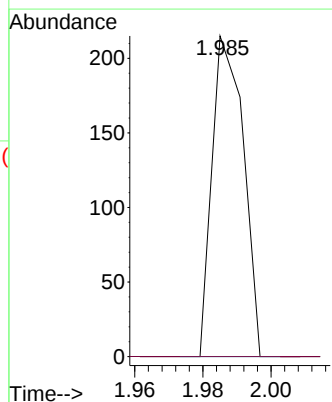
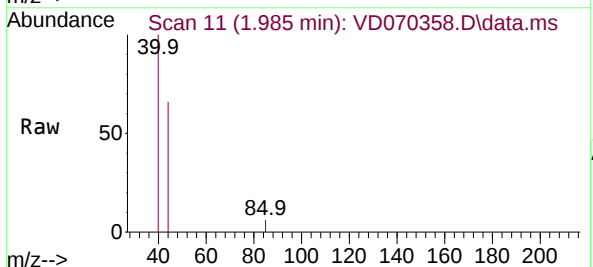
Instrument :
MSVOA_D
ClientSampleId :
A004145

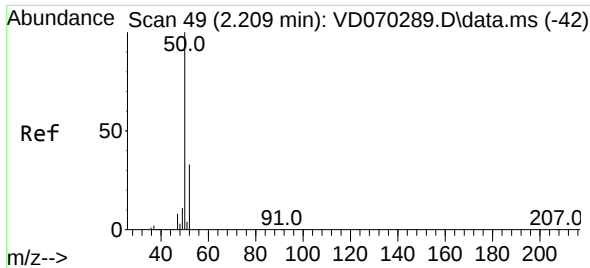
Tgt Ion:168 Resp: 324046
Ion Ratio Lower Upper
168 100
99 61.2 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.985 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD070358.D
Acq: 14 Sep 2021 17:33

Tgt Ion: 85 Resp: 137
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

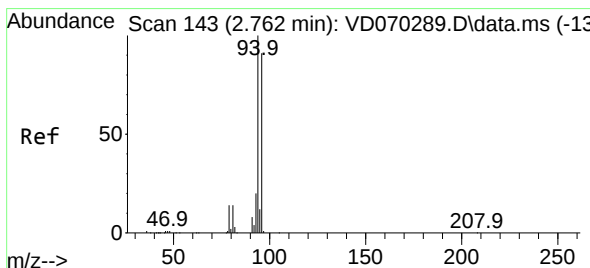
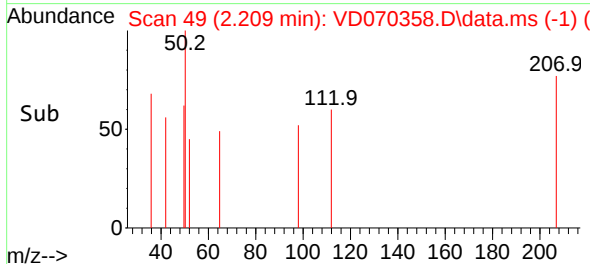
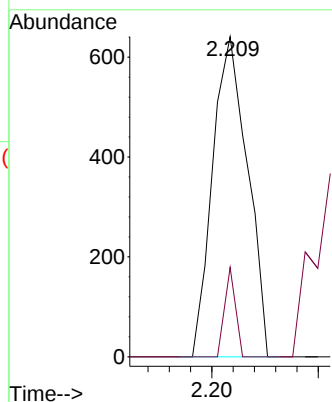
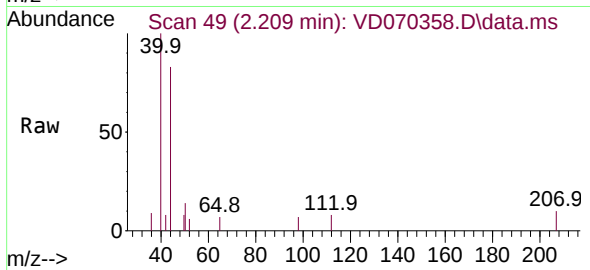




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070358.D
Acq: 14 Sep 2021 17:33

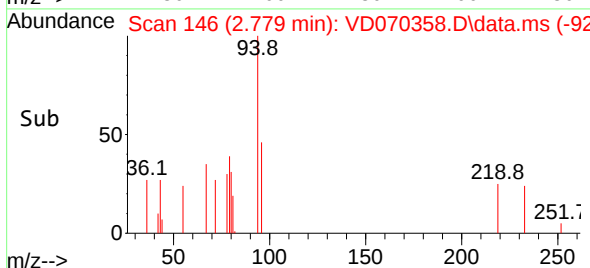
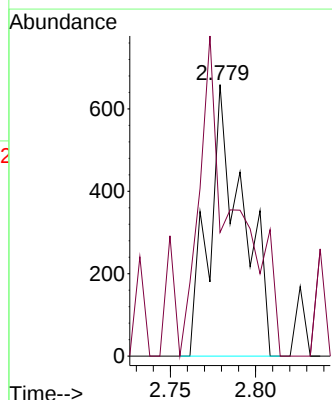
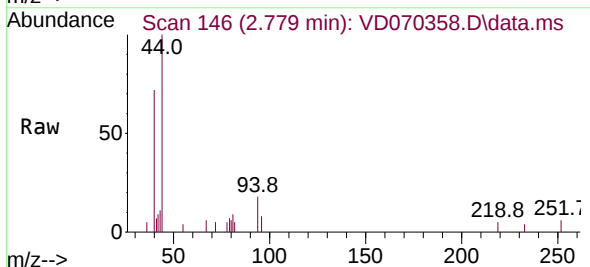
Instrument :
MSVOA_D
ClientSampleId :
A004145

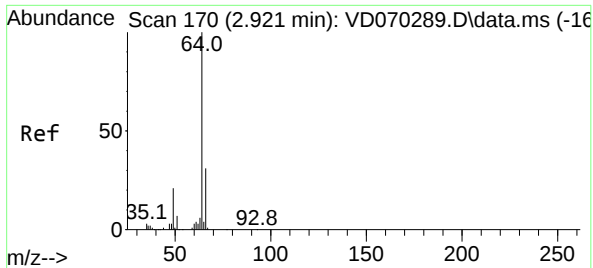
Tgt Ion: 50 Resp: 729
Ion Ratio Lower Upper
50 100
52 27.9 26.2 39.2



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070358.D
Acq: 14 Sep 2021 17:33

Tgt Ion: 94 Resp: 892
Ion Ratio Lower Upper
94 100
96 45.5 73.0 109.6#

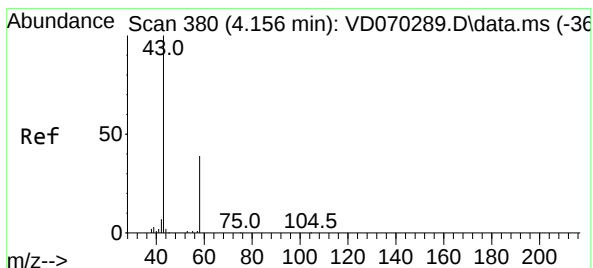
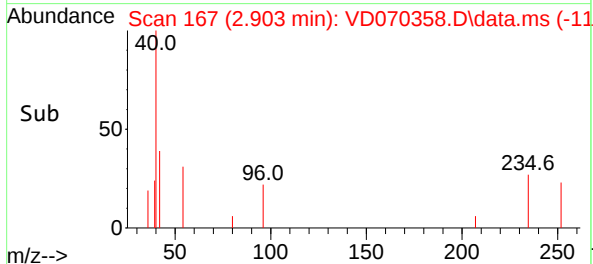
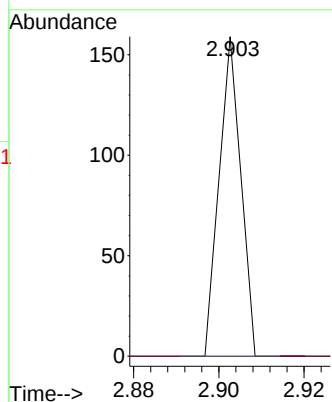
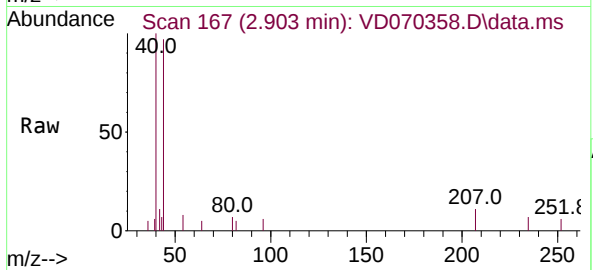




#6
Chloroethane
Concen: Below Cal
RT: 2.903 min Scan# 167
Delta R.T. -0.018 min
Lab File: VD070358.D
Acq: 14 Sep 2021 17:33

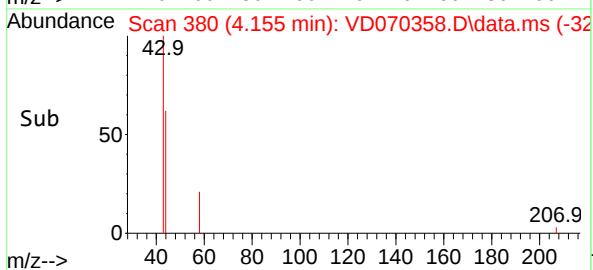
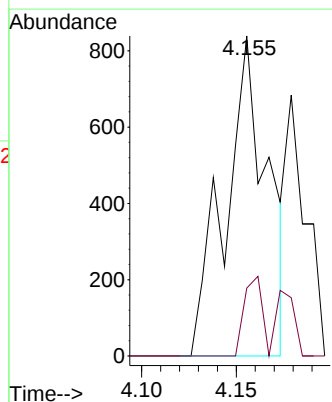
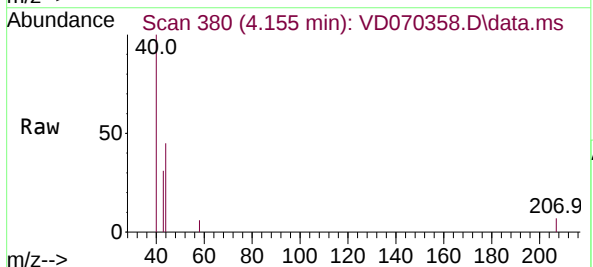
Instrument :
MSVOA_D
ClientSampleID :
A004145

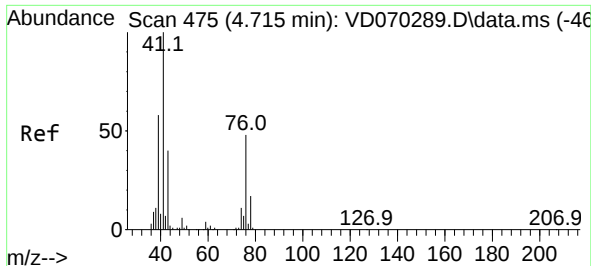
Tgt Ion: 64 Resp: 56
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#16
Acetone
Concen: 1.743 ug/l
RT: 4.155 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070358.D
Acq: 14 Sep 2021 17:33

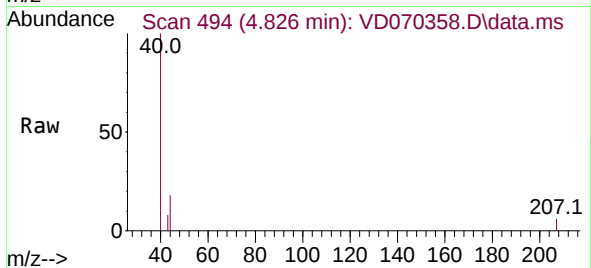
Tgt Ion: 43 Resp: 1295
Ion Ratio Lower Upper
43 100
58 21.2 30.9 46.3#



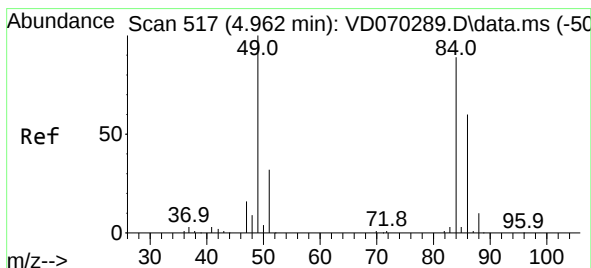
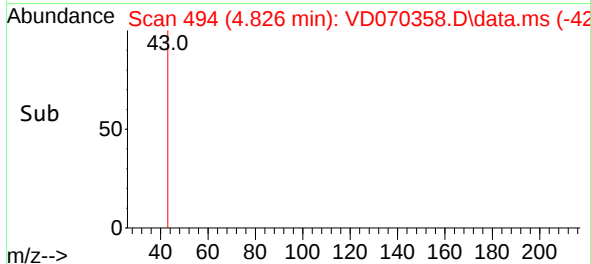
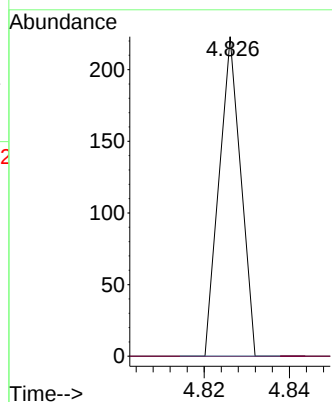


#18
Methyl Acetate
Concen: Below Cal
RT: 4.826 min Scan# 494
Delta R.T. 0.111 min
Lab File: VD070358.D
Acq: 14 Sep 2021 17:33

Instrument :
MSVOA_D
ClientSampleId :
A004145

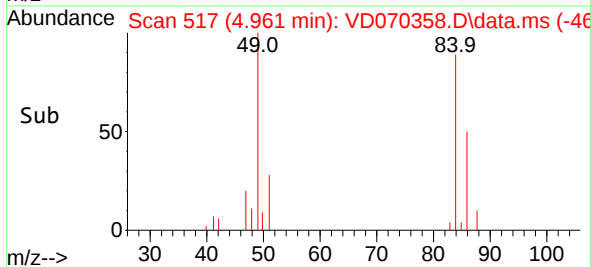
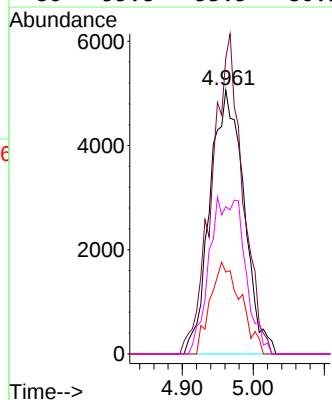
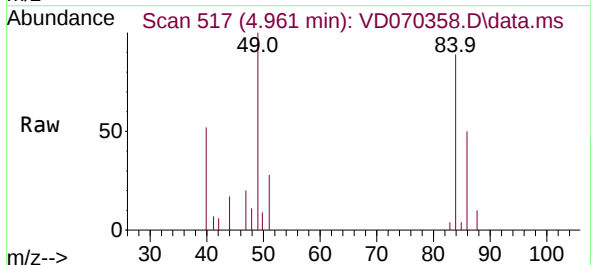


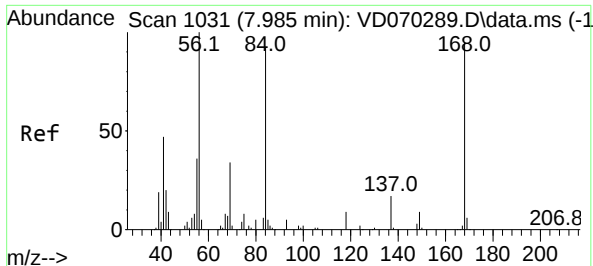
Tgt Ion: 43 Resp: 79
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD070358.D
Acq: 14 Sep 2021 17:33

Tgt Ion: 84 Resp: 16828
Ion Ratio Lower Upper
84 100
49 112.2 89.6 134.4
51 31.1 28.6 43.0
86 55.8 53.5 80.3

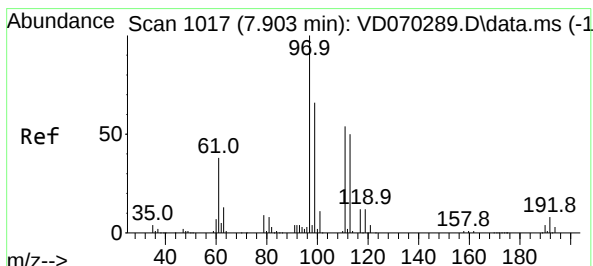
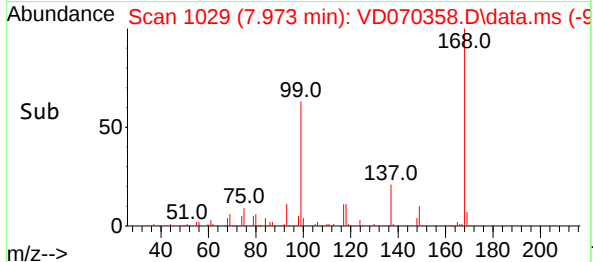
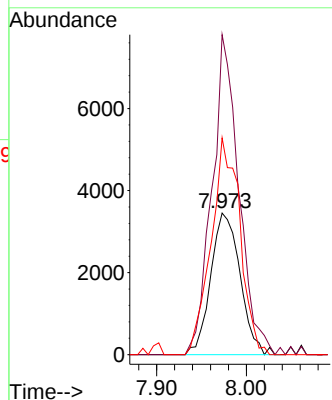
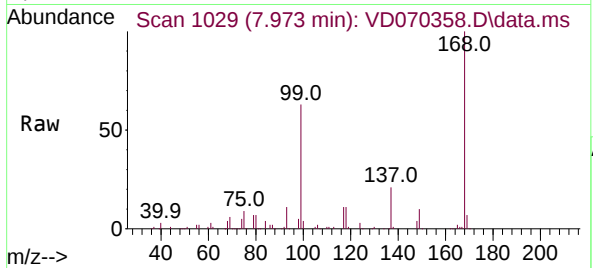




#31
Cyclohexane
Concen: 1.096 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070358.D
Acq: 14 Sep 2021 17:33

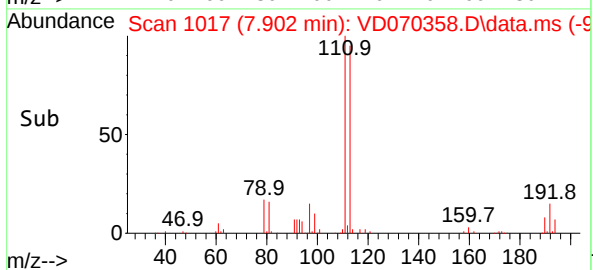
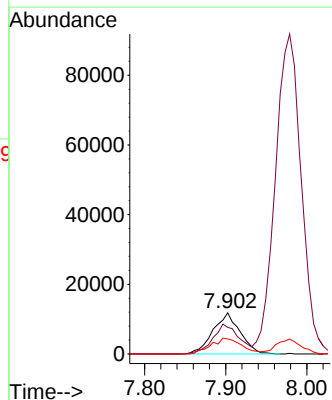
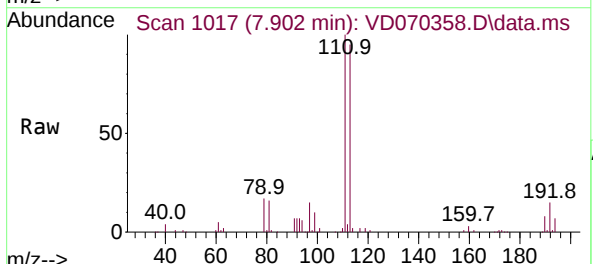
Instrument :
MSVOA_D
ClientSampleId :
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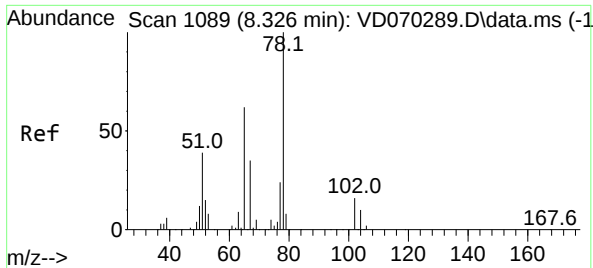
Tgt Ion: 56 Resp: 7853
Ion Ratio Lower Upper
56 100
69 226.0 26.9 40.3#
84 153.0 73.6 110.4#



#32
1,1,1-Trichloroethane
Concen: 3.758 ug/l
RT: 7.902 min Scan# 1017
Delta R.T. -0.000 min
Lab File: VD070358.D
Acq: 14 Sep 2021 17:33

Tgt Ion: 97 Resp: 27225
Ion Ratio Lower Upper
97 100
99 70.7 51.1 76.7
61 43.5 31.4 47.0

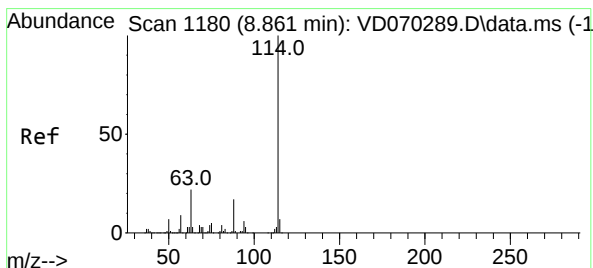
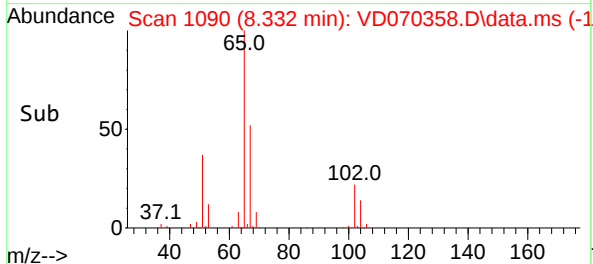
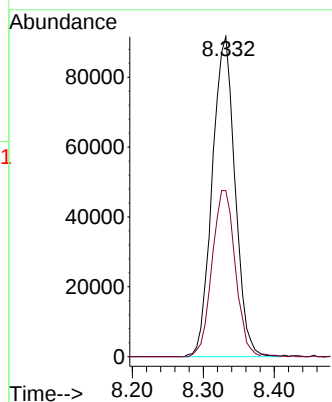
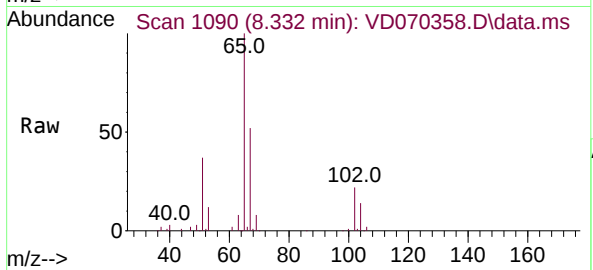




#33
1,2-Dichloroethane-d4
Concen: 49.060 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070358.D
Acq: 14 Sep 2021 17:33

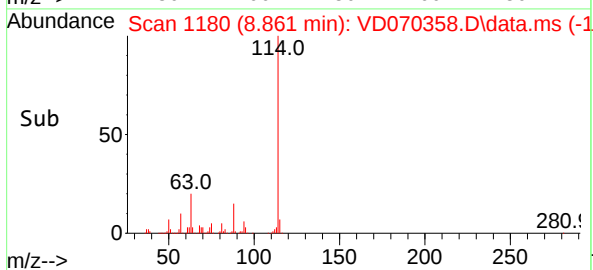
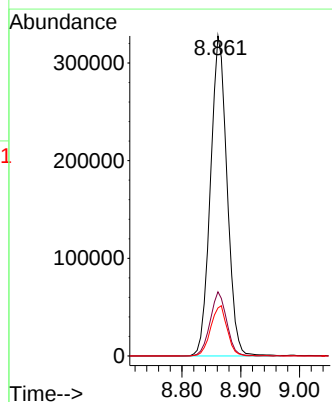
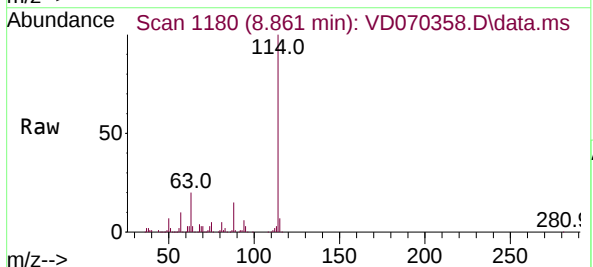
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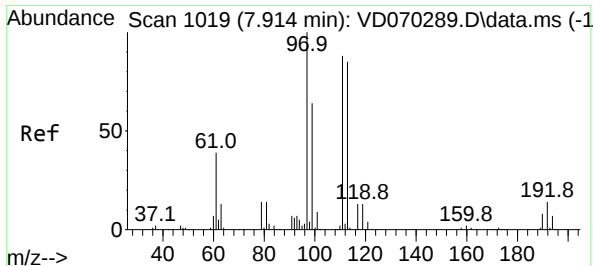
Tgt Ion: 65 Resp: 204129
Ion Ratio Lower Upper
65 100
67 53.3 0.0 111.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070358.D
Acq: 14 Sep 2021 17:33

Tgt Ion:114 Resp: 643440
Ion Ratio Lower Upper
114 100
63 20.1 0.0 43.4
88 15.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.015 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070358.D

Acq: 14 Sep 2021 17:33

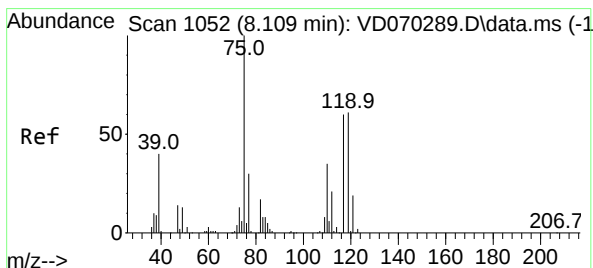
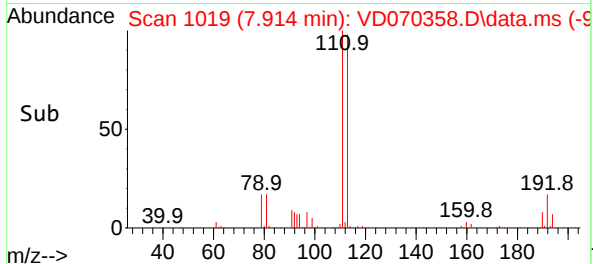
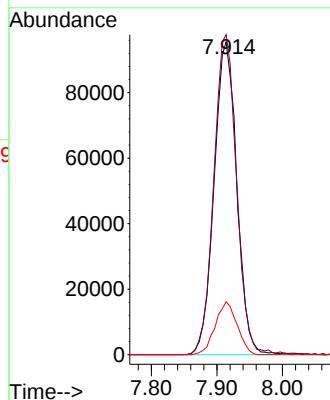
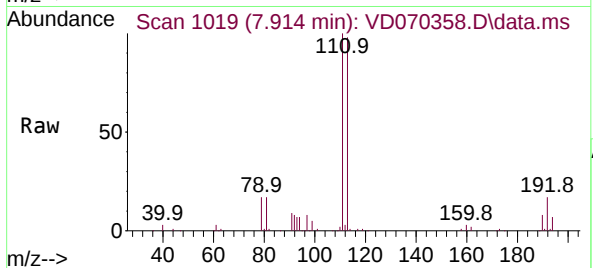
Tgt Ion:113 Resp: 229074

Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.2

192 16.3 13.0 19.6



#36

1,1-Dichloropropene

Concen: 4.330 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.136 min

Lab File: VD070358.D

Acq: 14 Sep 2021 17:33

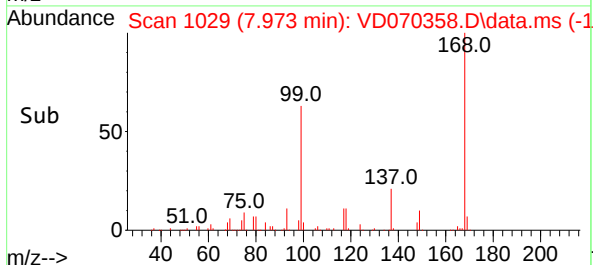
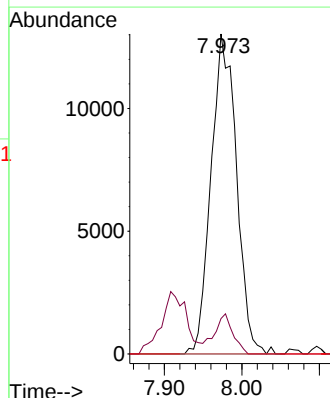
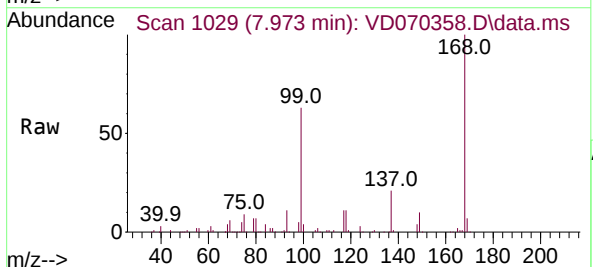
Tgt Ion: 75 Resp: 29777

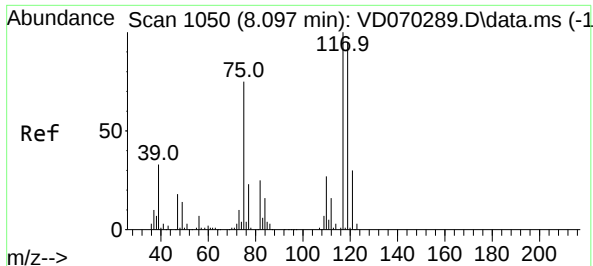
Ion Ratio Lower Upper

75 100

110 9.1 17.9 53.7#

77 0.0 25.3 37.9#

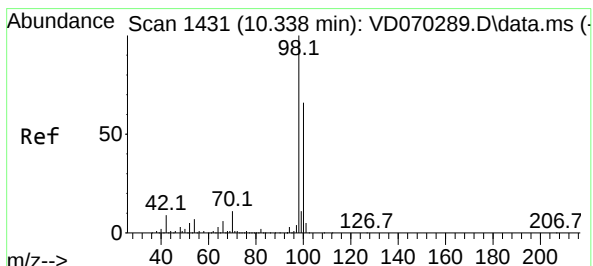
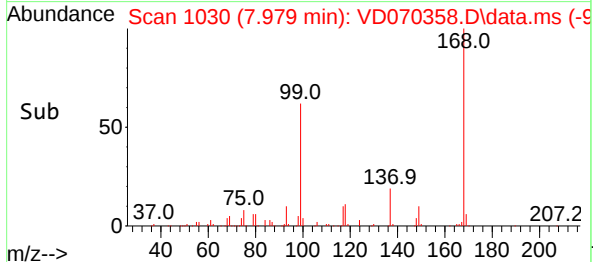
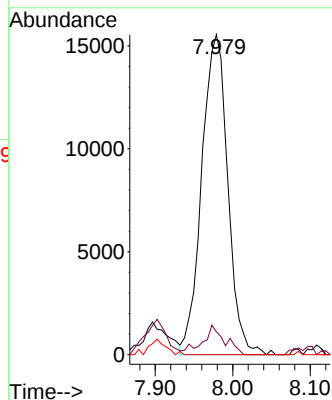
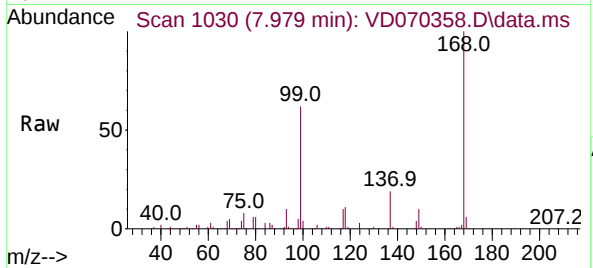




#38
Carbon Tetrachloride
Concen: 5.336 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070358.D
Acq: 14 Sep 2021 17:33

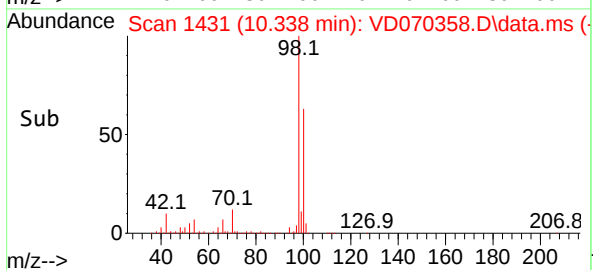
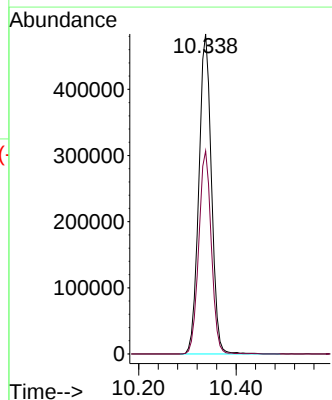
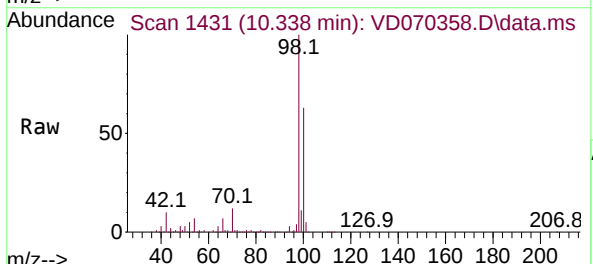
Instrument :
MSVOA_D
ClientSampleId :
A004145

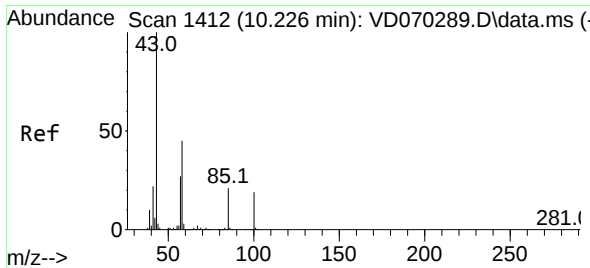
Tgt Ion:117 Resp: 36296
Ion Ratio Lower Upper
117 100
119 7.1 76.1 114.1#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 52.251 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070358.D
Acq: 14 Sep 2021 17:33

Tgt Ion: 98 Resp: 868885
Ion Ratio Lower Upper
98 100
100 63.3 52.0 78.0

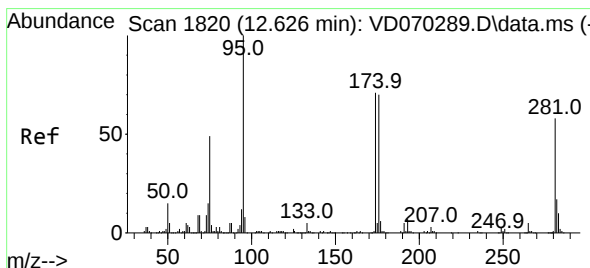
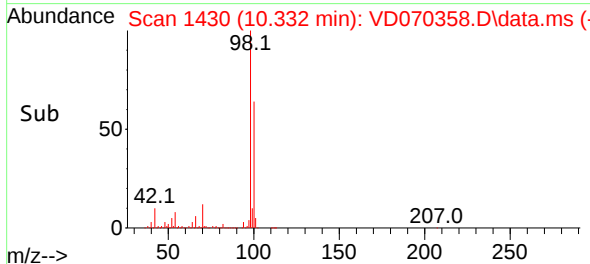
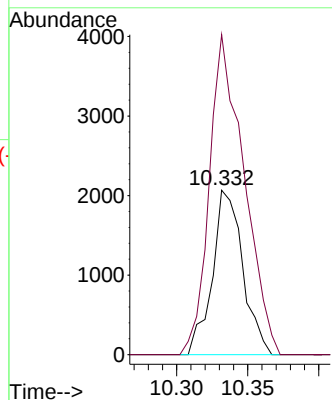
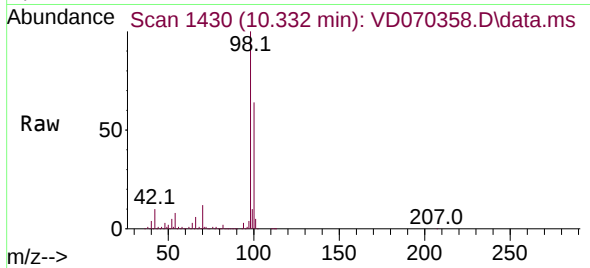




#51
4-Methyl-2-Pentanone
Concen: 1.248 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD070358.D
Acq: 14 Sep 2021 17:33

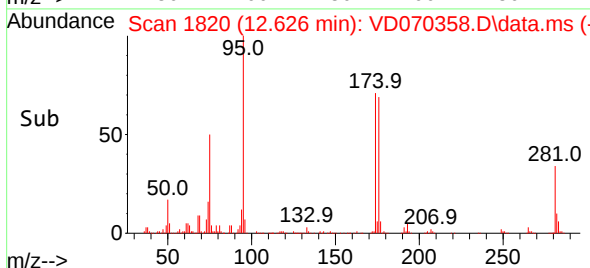
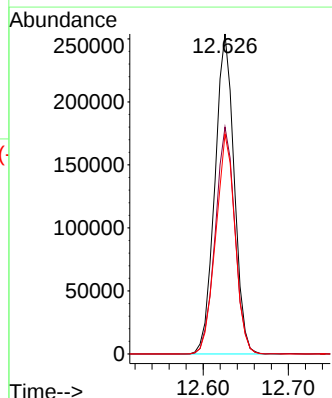
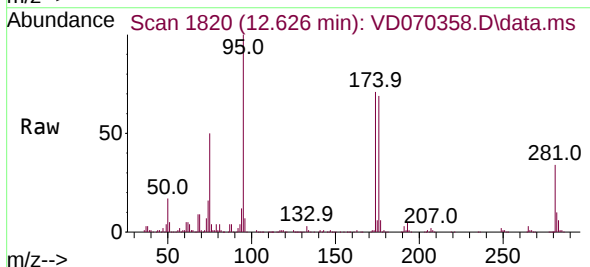
Instrument :
MSVOA_D
ClientSampleId :
A004145

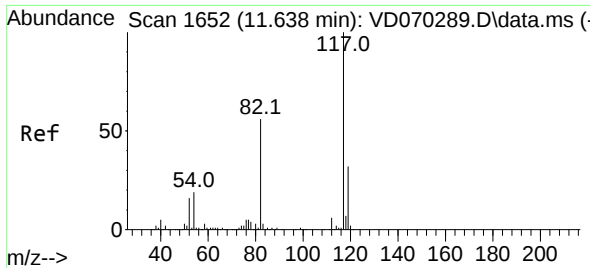
Tgt Ion: 43 Resp: 3072
Ion Ratio Lower Upper
43 100
58 222.9 35.4 53.2#



#62
4-Bromofluorobenzene
Concen: 68.586 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070358.D
Acq: 14 Sep 2021 17:33

Tgt Ion: 95 Resp: 398603
Ion Ratio Lower Upper
95 100
174 72.0 0.0 140.6
176 68.6 0.0 137.4

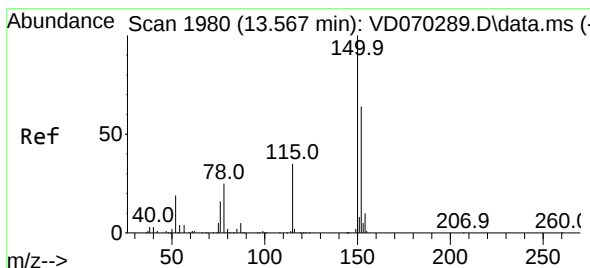
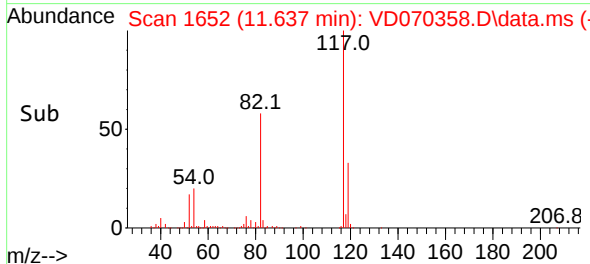
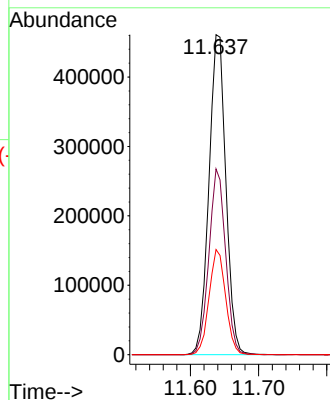
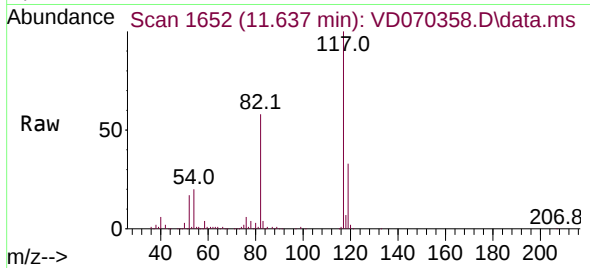




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070358.D
Acq: 14 Sep 2021 17:33

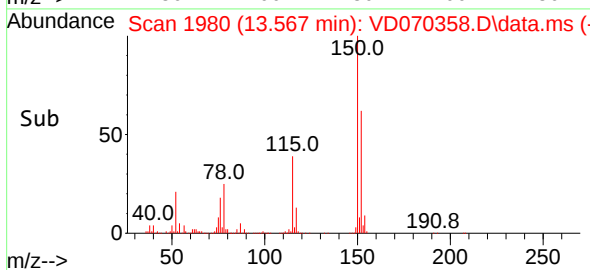
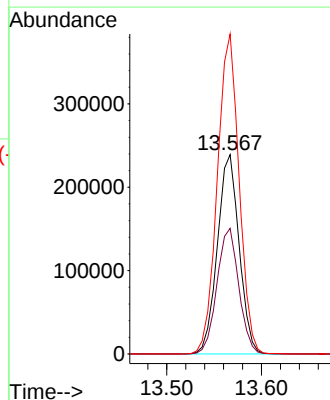
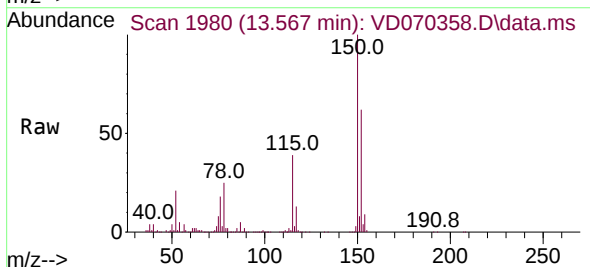
Instrument :
MSVOA_D
ClientSampleId :
A004145

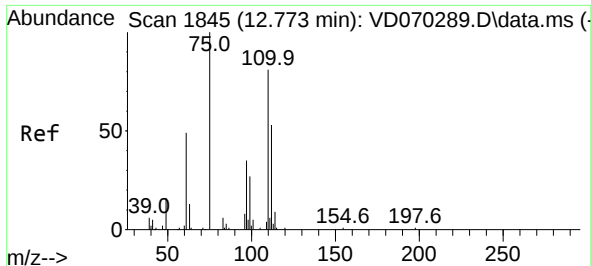
Tgt Ion:	117	Resp:	796161
Ion	Ratio	Lower	Upper
117	100		
82	58.1	45.0	67.4
119	32.8	25.2	37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070358.D
Acq: 14 Sep 2021 17:33

Tgt Ion:	152	Resp:	381936
Ion	Ratio	Lower	Upper
152	100		
115	63.3	32.1	96.3
150	160.6	0.0	350.6

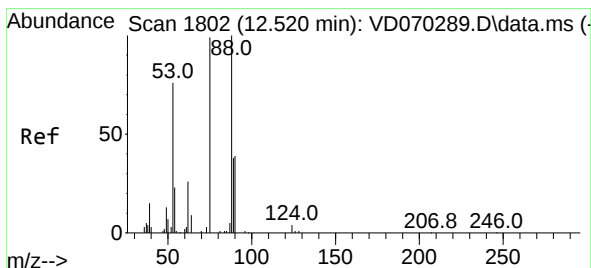
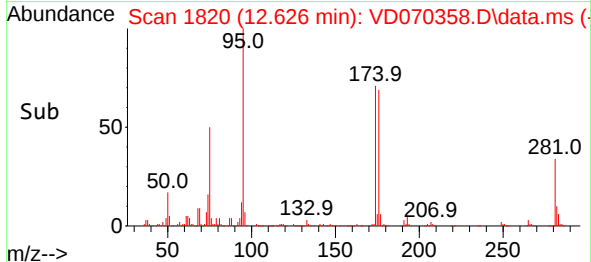
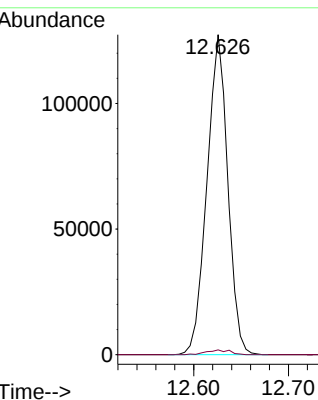
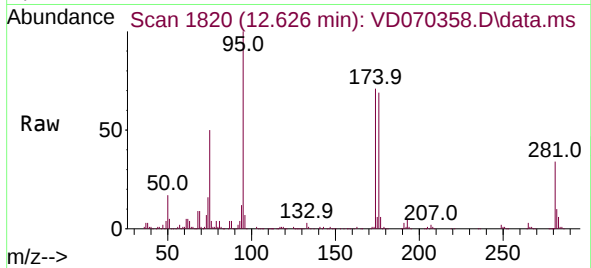




#76
1,2,3-Trichloropropane
Concen: 50.379 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070358.D
Acq: 14 Sep 2021 17:33

Instrument :
MSVOA_D
ClientSampleId :
A004145

Tgt Ion: 75 Resp: 194632
Ion Ratio Lower Upper
75 100
77 1.7 174.9 524.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.230 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070358.D
Acq: 14 Sep 2021 17:33

Tgt Ion: 75 Resp: 194632
Ion Ratio Lower Upper
75 100
53 0.2 64.2 96.2#
89 0.6 35.6 53.4#

