

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092321\
 Data File : VD070438.D
 Acq On : 23 Sep 2021 10:12
 Operator : VA/SY
 Sample : VD0923SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBL01

Quant Time: Sep 24 06:42:34 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)

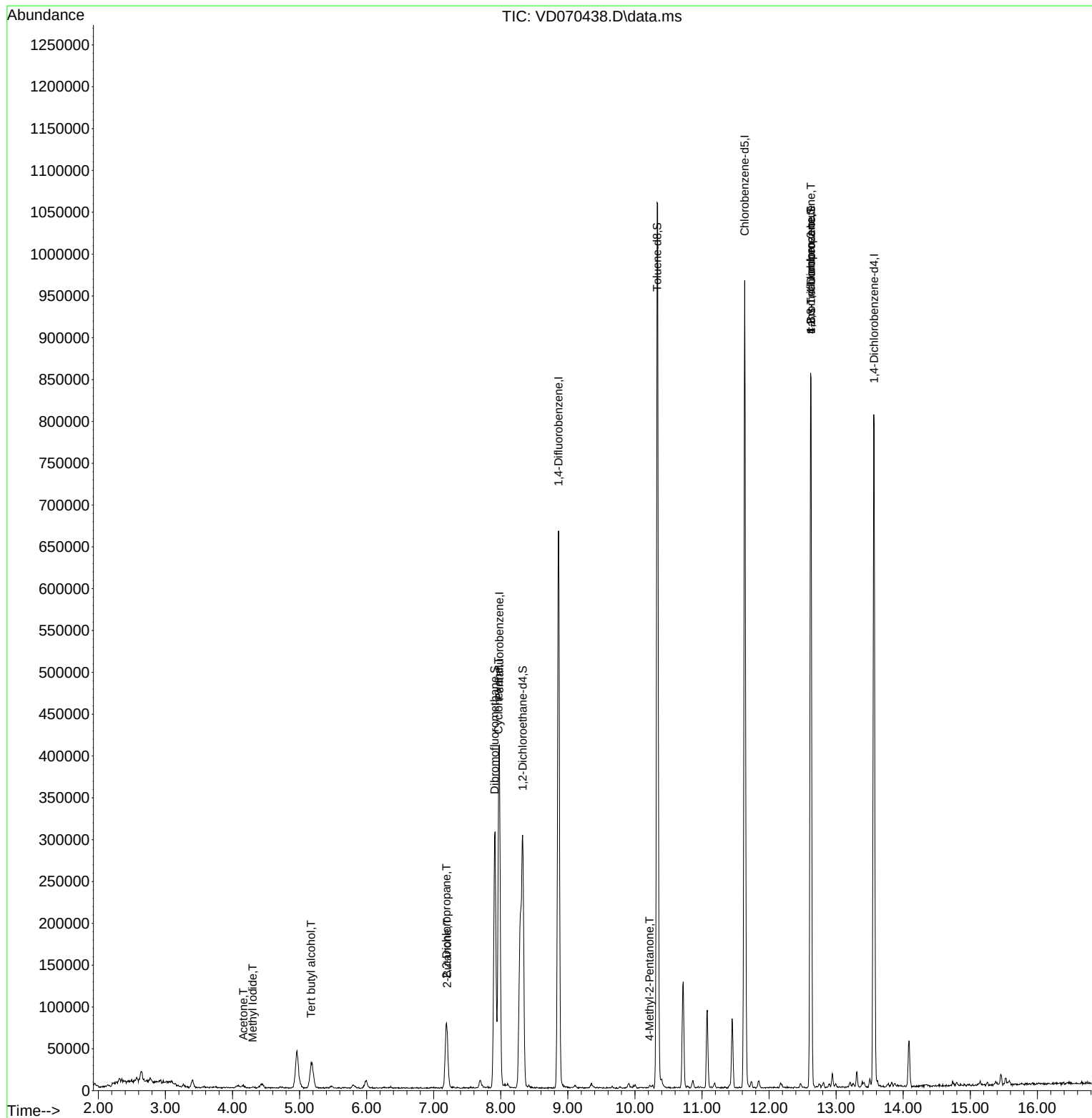
Internal Standards						
1) Pentafluorobenzene	7.979	168	294805	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	576965	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	559562	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	221396	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	225843	59.662	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.320%	
35) Dibromofluoromethane	7.908	113	225189	54.832	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.660%	
50) Toluene-d8	10.332	98	748121	50.172	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.340%	
62) 4-Bromofluorobenzene	12.626	95	242222	46.480	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 92.960%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	1371	Below Cal		79
3) Chloromethane	2.209	50	1760	Below Cal	#	50
5) Bromomethane	2.785	94	2657	Below Cal		81
6) Chloroethane	2.926	64	1002	Below Cal		93
10) Methyl Iodide	4.303	142	1097	1.323	ug/l #	55
11) Tert butyl alcohol	5.173	59	27349	63.899	ug/l #	100
16) Acetone	4.161	43	5314	7.863	ug/l #	70
18) Methyl Acetate	4.714	43	63	Below Cal	#	48
25) 2-Butanone	7.202	43	4027	4.476	ug/l #	83
26) 2,2-Dichloropropane	7.191	77	7832	1.269	ug/l #	55
31) Cyclohexane	7.967	56	8679	1.331	ug/l #	1
51) 4-Methyl-2-Pentanone	10.220	43	2330	1.056	ug/l	96
76) 1,2,3-Trichloropropane	12.626	75	119574	53.394	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	119574	133.785	ug/l #	18

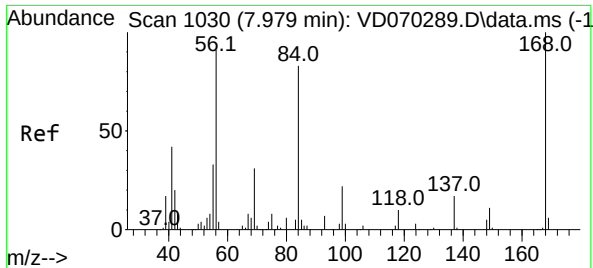
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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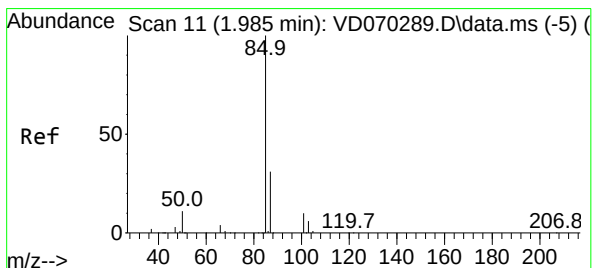
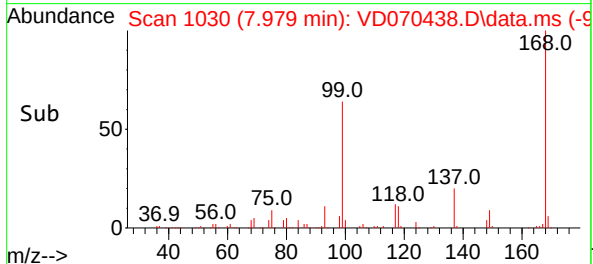
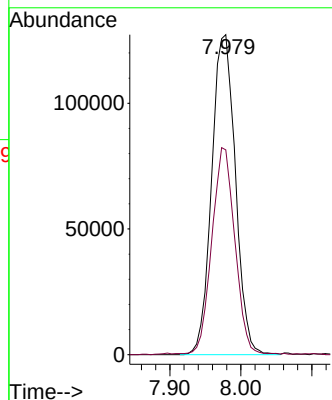
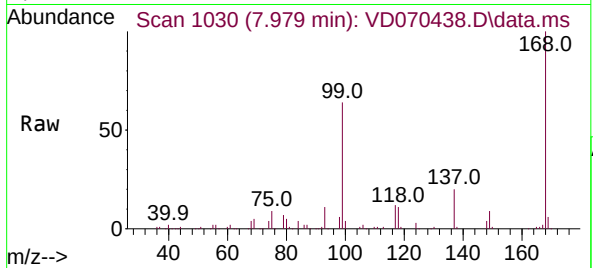




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070438.D
Acq: 23 Sep 2021 10:12

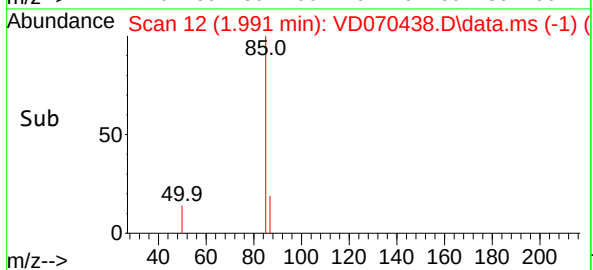
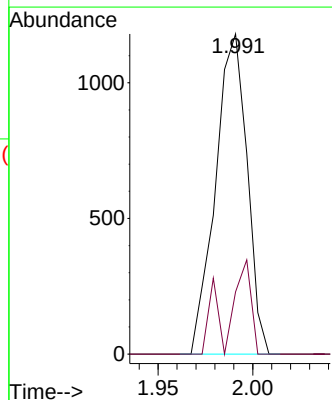
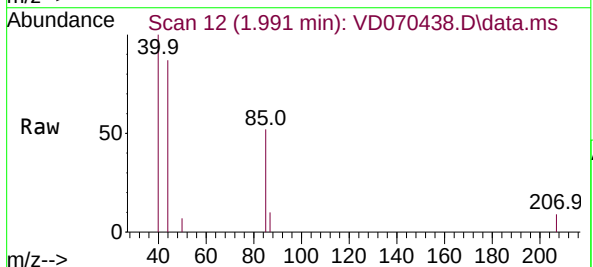
Instrument :
MSVOA_D
ClientSampleId :
VD0923SBL01

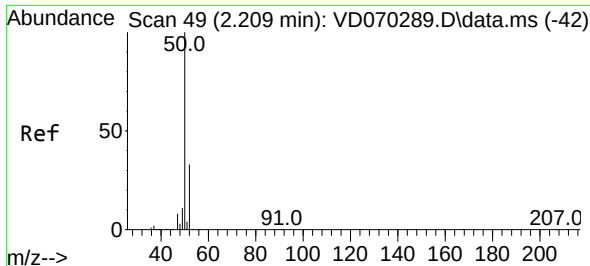
Tgt Ion:168 Resp: 294805
Ion Ratio Lower Upper
168 100
99 63.8 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD070438.D
Acq: 23 Sep 2021 10:12

Tgt Ion: 85 Resp: 1371
Ion Ratio Lower Upper
85 100
87 19.4 15.6 46.8

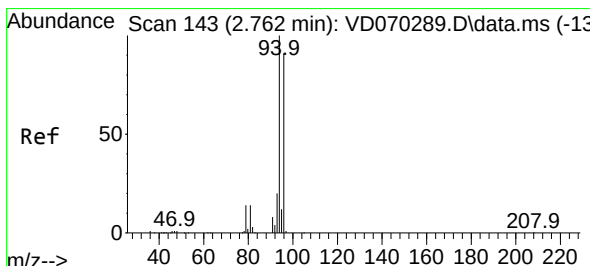
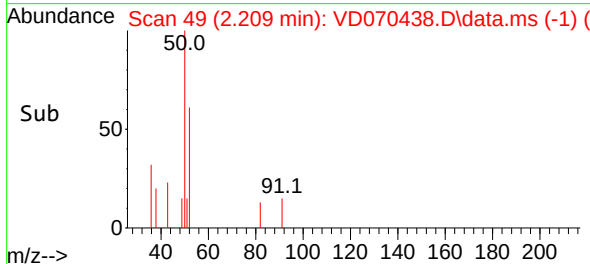
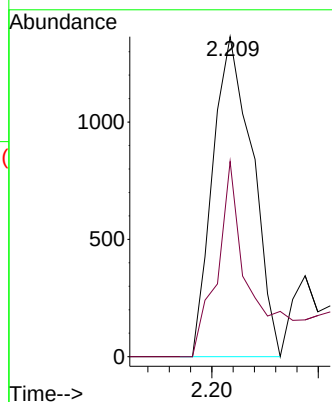
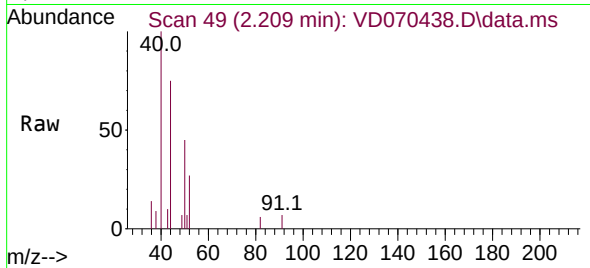




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070438.D
Acq: 23 Sep 2021 10:12

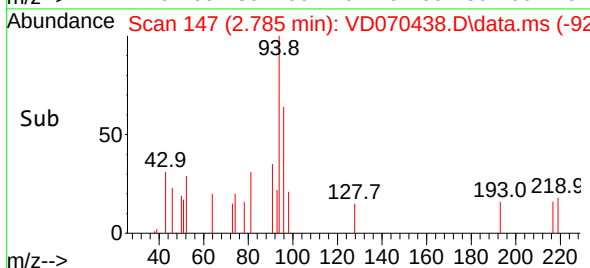
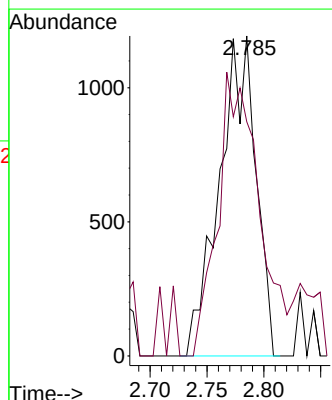
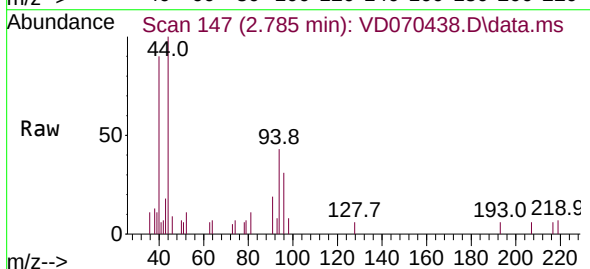
Instrument :
MSVOA_D
ClientSampleId :
VD0923SBL01

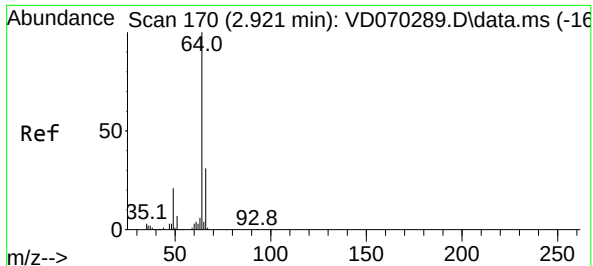
Tgt Ion: 50 Resp: 1760
Ion Ratio Lower Upper
50 100
52 61.0 26.2 39.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD070438.D
Acq: 23 Sep 2021 10:12

Tgt Ion: 94 Resp: 2657
Ion Ratio Lower Upper
94 100
96 73.2 73.0 109.6

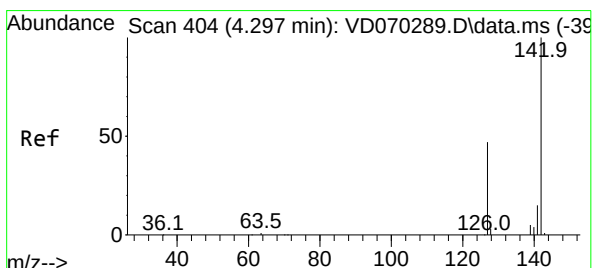
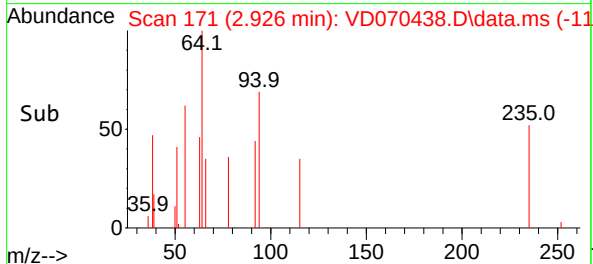
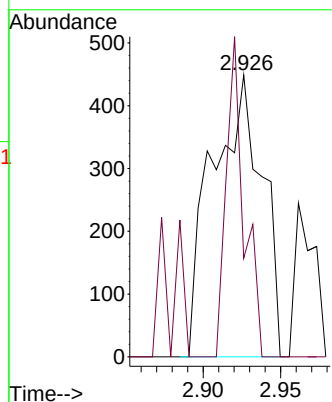
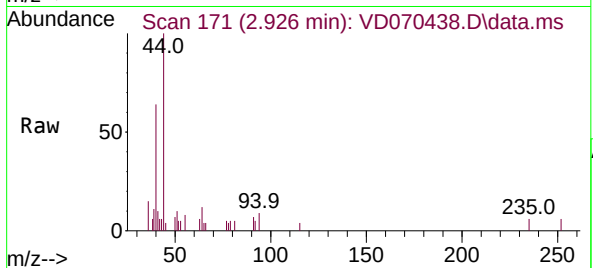




#6
Chloroethane
Concen: Below Cal
RT: 2.926 min Scan# 171
Delta R.T. 0.005 min
Lab File: VD070438.D
Acq: 23 Sep 2021 10:12

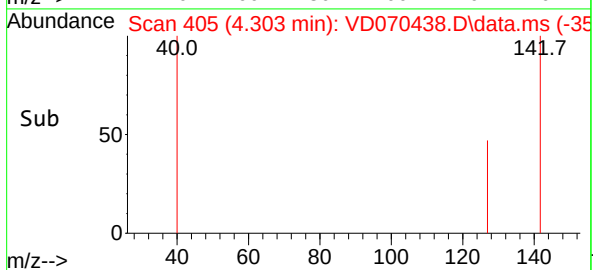
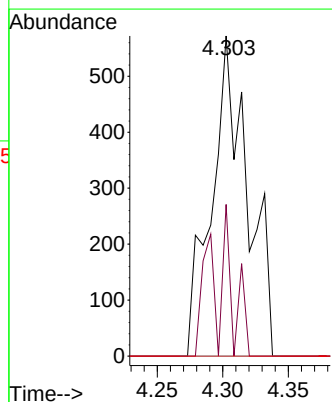
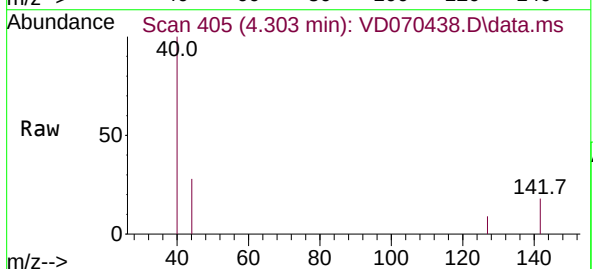
Instrument :
MSVOA_D
ClientSampleId :
VD0923SBL01

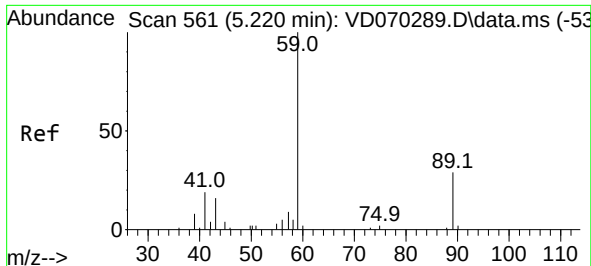
Tgt Ion: 64 Resp: 1002
Ion Ratio Lower Upper
64 100
66 35.0 25.0 37.4



#10
Methyl Iodide
Concen: 1.323 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD070438.D
Acq: 23 Sep 2021 10:12

Tgt Ion: 142 Resp: 1097
Ion Ratio Lower Upper
142 100
127 14.0 36.9 55.3#
141 0.0 11.8 17.6#

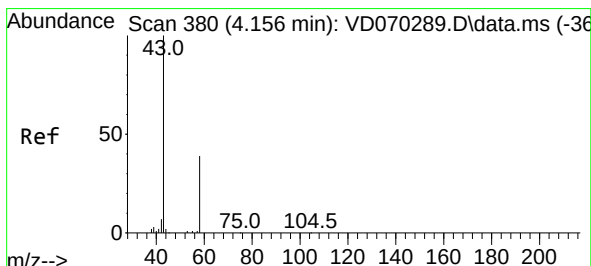
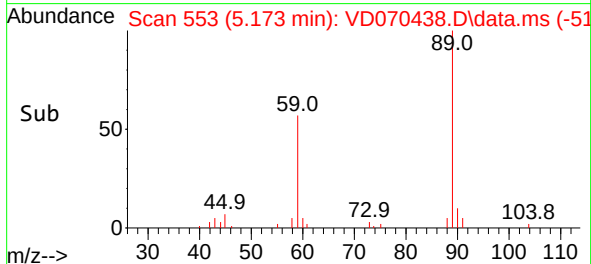
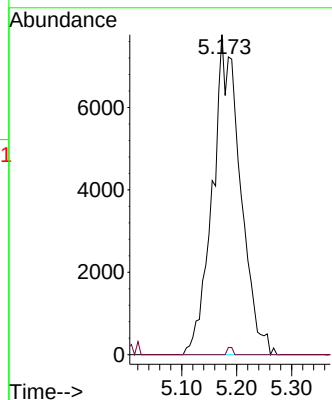
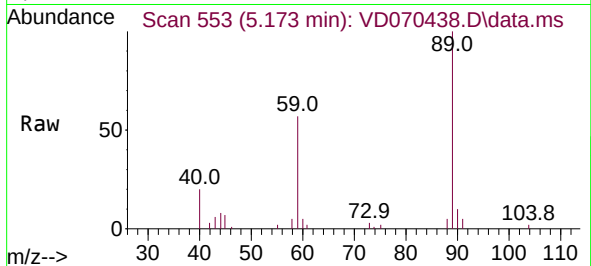




#11
Tert butyl alcohol
Concen: 63.899 ug/l
RT: 5.173 min Scan# 553
Delta R.T. -0.047 min
Lab File: VD070438.D
Acq: 23 Sep 2021 10:12

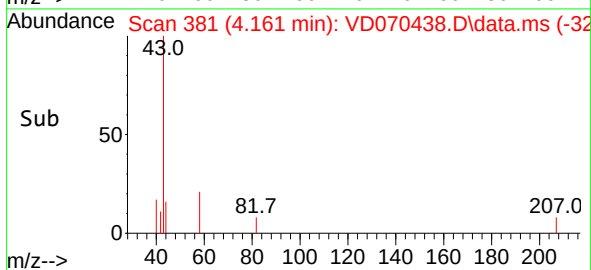
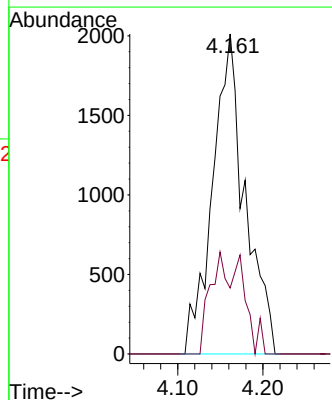
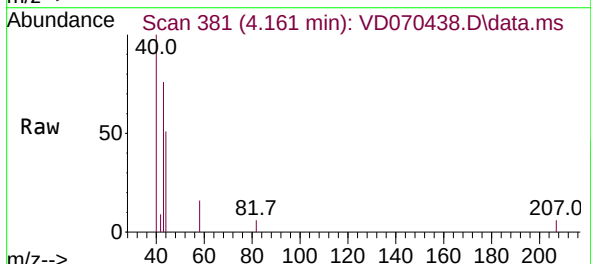
Instrument :
MSVOA_D
ClientSampleId :
VD0923SBL01

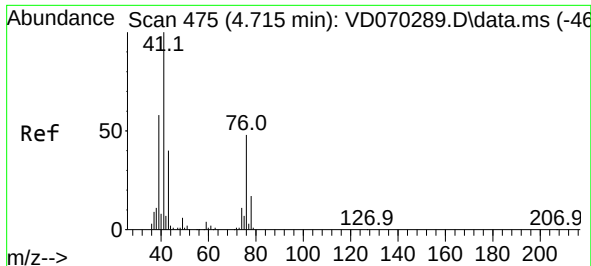
Tgt Ion: 59 Resp: 27349
Ion Ratio Lower Upper
59 100
57 0.5 0.0 0.0#



#16
Acetone
Concen: 7.863 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070438.D
Acq: 23 Sep 2021 10:12

Tgt Ion: 43 Resp: 5314
Ion Ratio Lower Upper
43 100
58 20.6 30.9 46.3#

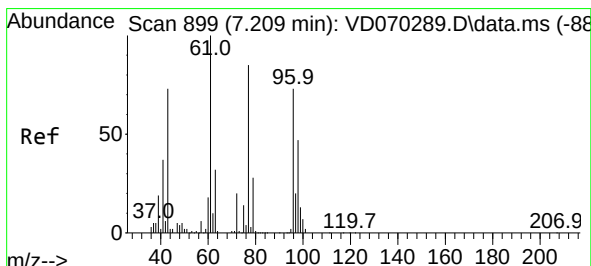
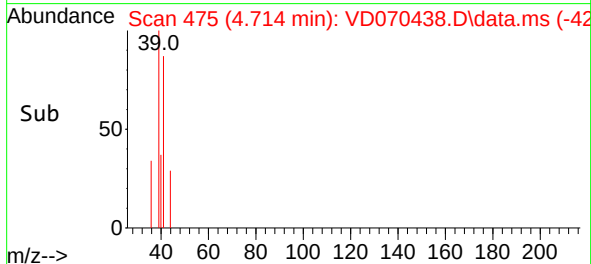
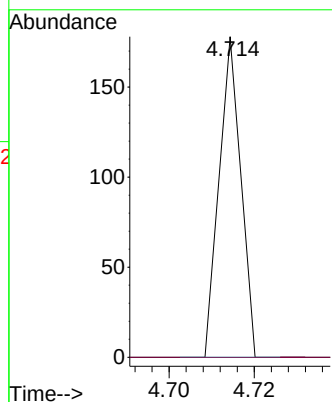
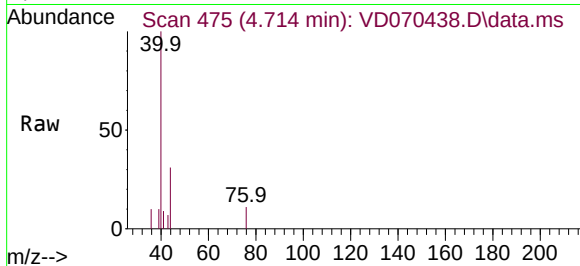




#18
Methyl Acetate
Concen: Below Cal
RT: 4.714 min Scan# 475
Delta R.T. -0.001 min
Lab File: VD070438.D
Acq: 23 Sep 2021 10:12

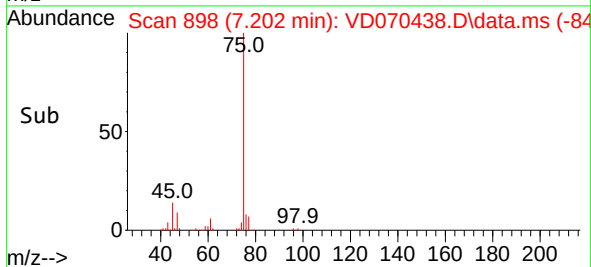
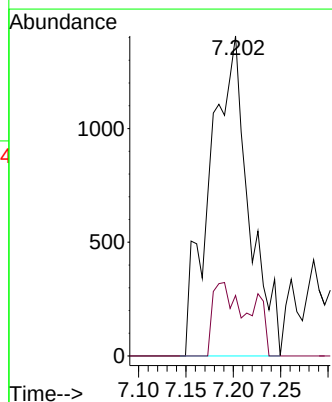
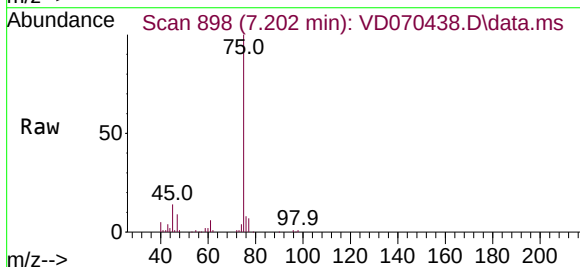
Instrument :
MSVOA_D
ClientSampleId :
VD0923SBL01

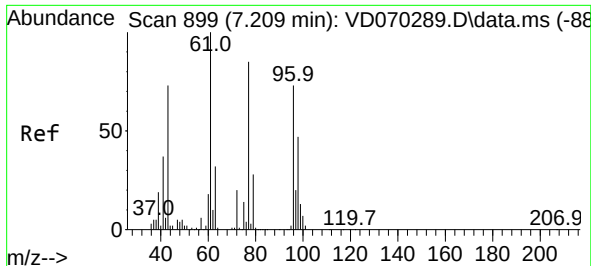
Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



#25
2-Butanone
Concen: 4.476 ug/l
RT: 7.202 min Scan# 898
Delta R.T. -0.006 min
Lab File: VD070438.D
Acq: 23 Sep 2021 10:12

Tgt Ion: 43 Resp: 4027
Ion Ratio Lower Upper
43 100
72 18.9 22.2 33.4#





#26

2,2-Dichloropropane

Concen: 1.269 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.018 min

Lab File: VD070438.D

Acq: 23 Sep 2021 10:12

Instrument :

MSVOA_D

ClientSampleId :

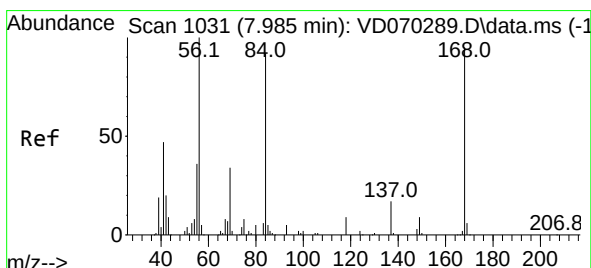
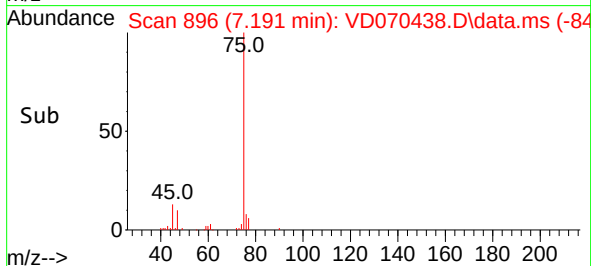
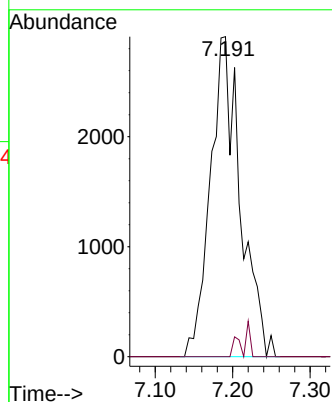
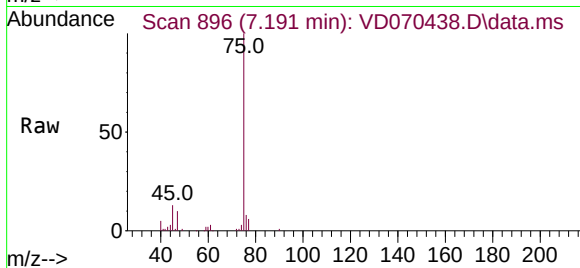
VD0923SBL01

Tgt Ion: 77 Resp: 7832

Ion Ratio Lower Upper

77 100

97 1.5 11.9 35.9#



#31

Cyclohexane

Concen: 1.331 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.018 min

Lab File: VD070438.D

Acq: 23 Sep 2021 10:12

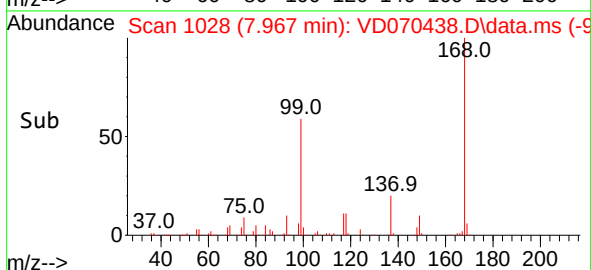
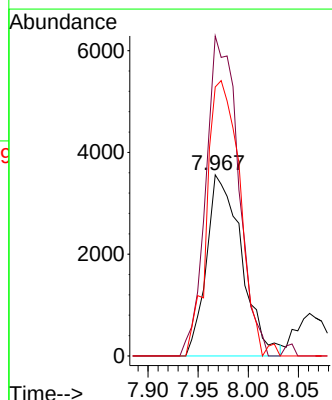
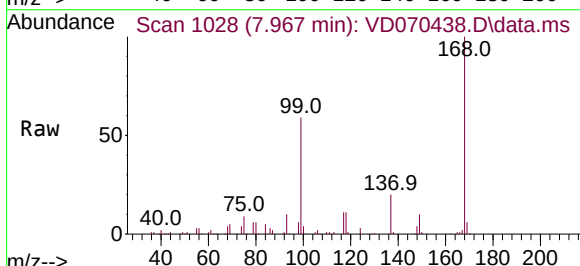
Tgt Ion: 56 Resp: 8679

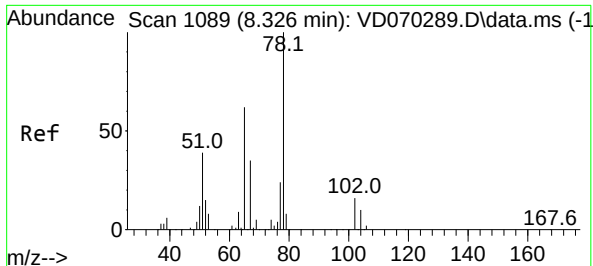
Ion Ratio Lower Upper

56 100

69 176.7 26.9 40.3#

84 148.5 73.6 110.4#



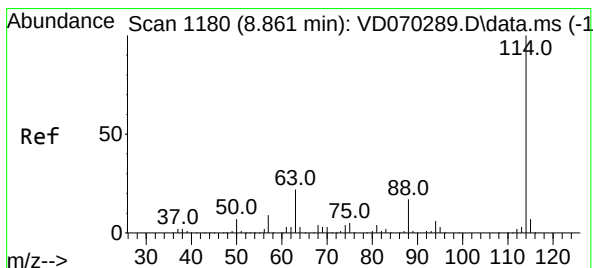
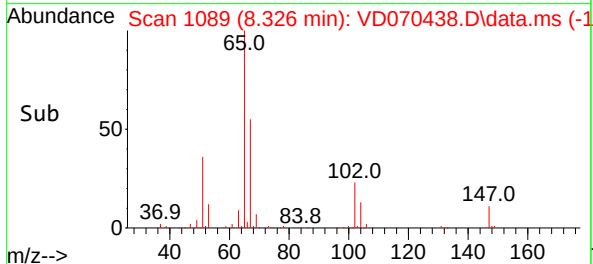
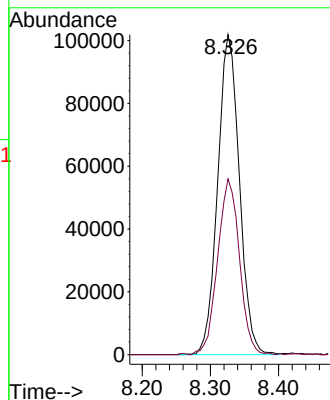
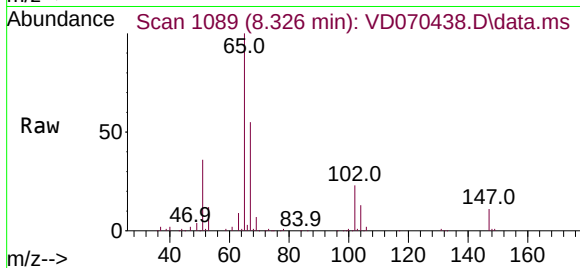


#33

1,2-Dichloroethane-d4
Concen: 59.662 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070438.D
Acq: 23 Sep 2021 10:12

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBL01

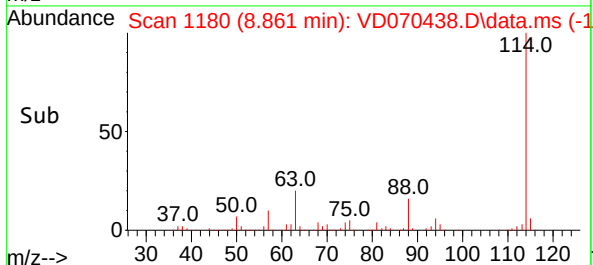
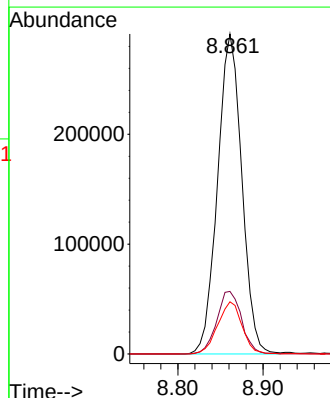
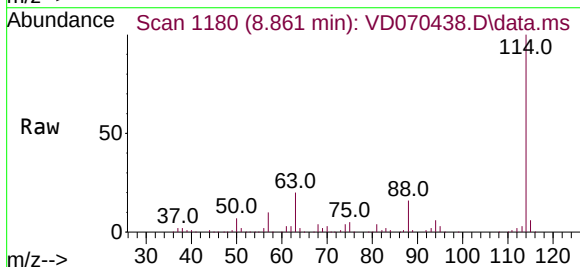
Tgt Ion: 65 Resp: 225843
Ion Ratio Lower Upper
65 100
67 55.2 0.0 111.4

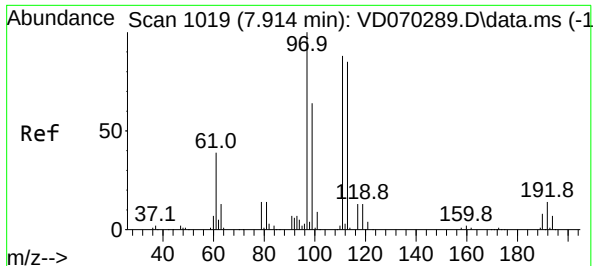


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070438.D
Acq: 23 Sep 2021 10:12

Tgt Ion: 114 Resp: 576965
Ion Ratio Lower Upper
114 100
63 19.6 0.0 43.4
88 16.3 0.0 33.4





#35

Dibromofluoromethane

Concen: 54.832 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070438.D

Acq: 23 Sep 2021 10:12

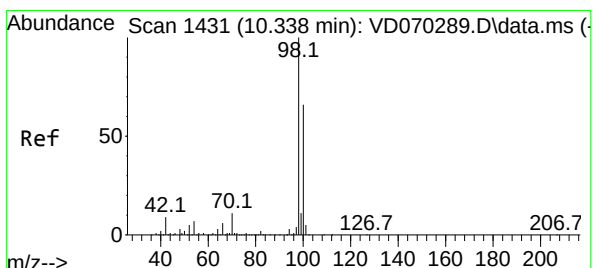
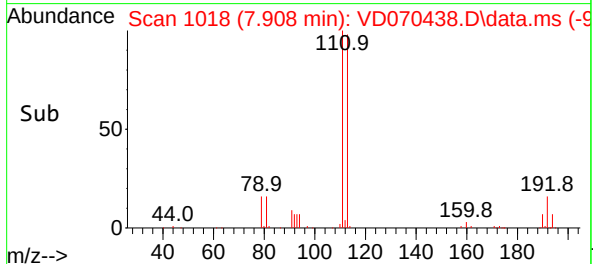
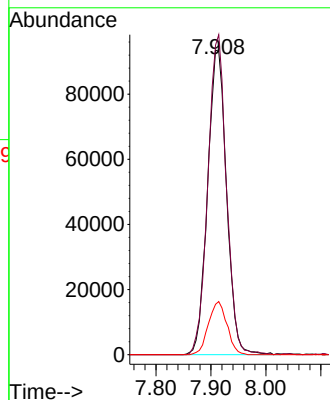
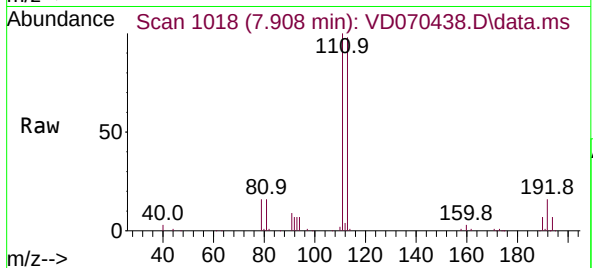
Tgt Ion:113 Resp: 225189

Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.2

192 17.0 13.0 19.6



#50

Toluene-d8

Concen: 50.172 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VD070438.D

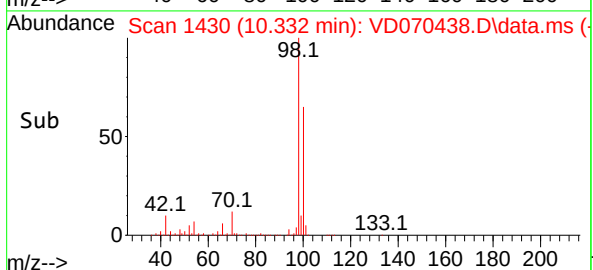
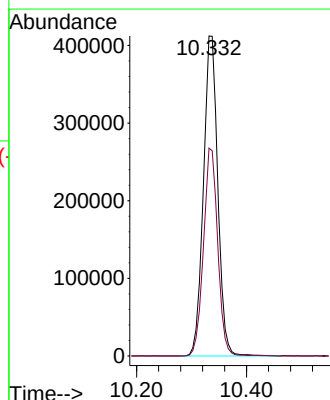
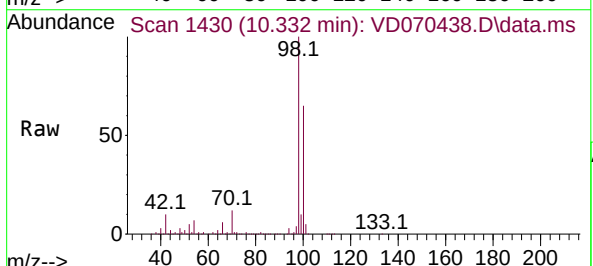
Acq: 23 Sep 2021 10:12

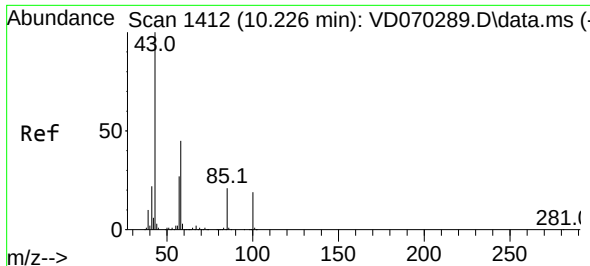
Tgt Ion: 98 Resp: 748121

Ion Ratio Lower Upper

98 100

100 64.1 52.0 78.0

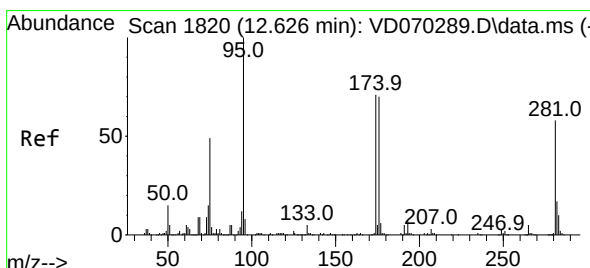
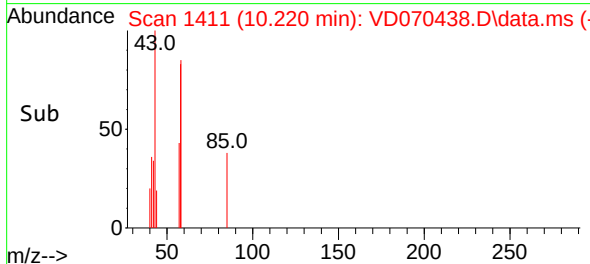
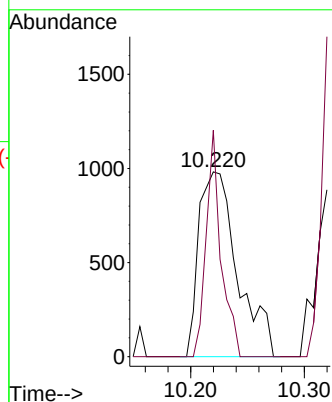
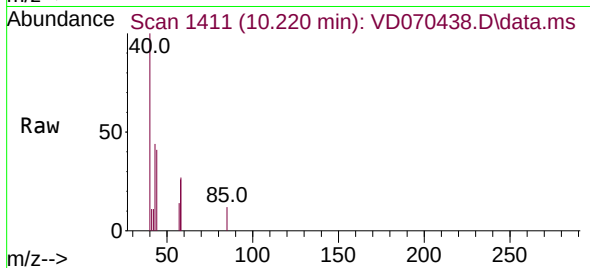




#51
4-Methyl-2-Pentanone
Concen: 1.056 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD070438.D
Acq: 23 Sep 2021 10:12

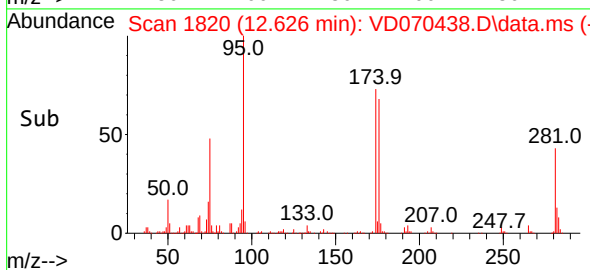
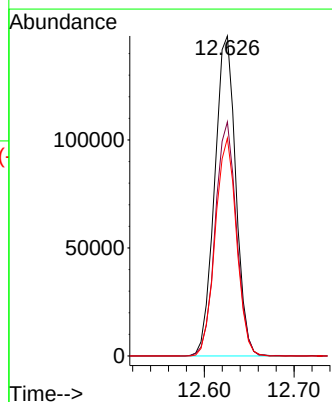
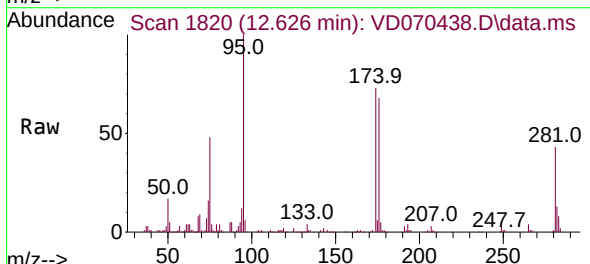
Instrument :
MSVOA_D
ClientSampleId :
VD0923SBL01

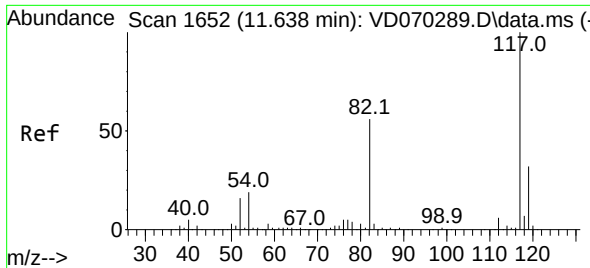
Tgt Ion: 43 Resp: 2330
Ion Ratio Lower Upper
43 100
58 46.8 35.4 53.2



#62
4-Bromofluorobenzene
Concen: 46.480 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070438.D
Acq: 23 Sep 2021 10:12

Tgt Ion: 95 Resp: 242222
Ion Ratio Lower Upper
95 100
174 73.4 0.0 140.6
176 68.5 0.0 137.4

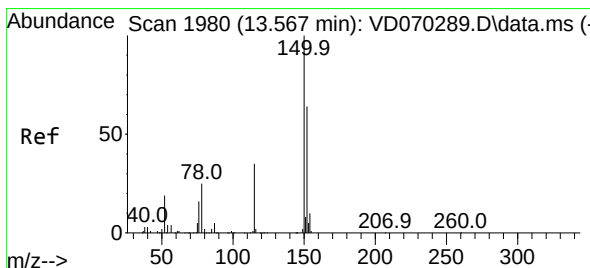
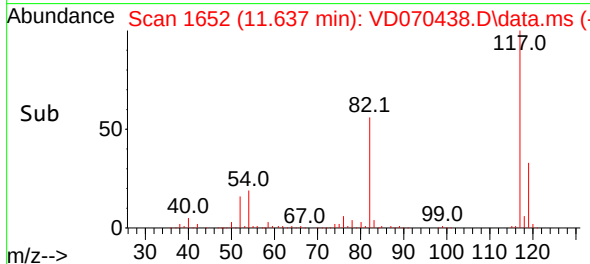
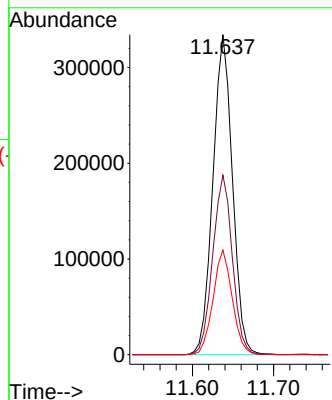
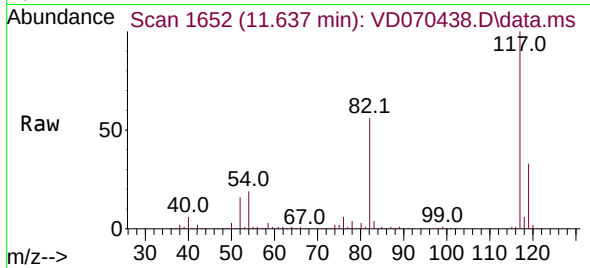




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070438.D
Acq: 23 Sep 2021 10:12

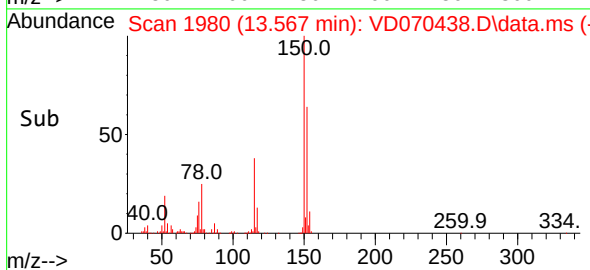
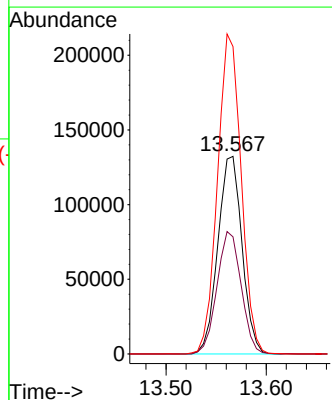
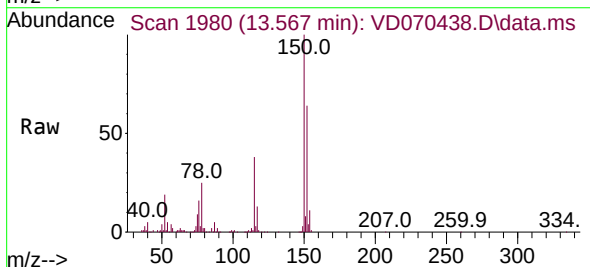
Instrument :
MSVOA_D
ClientSampleId :
VD0923SBL01

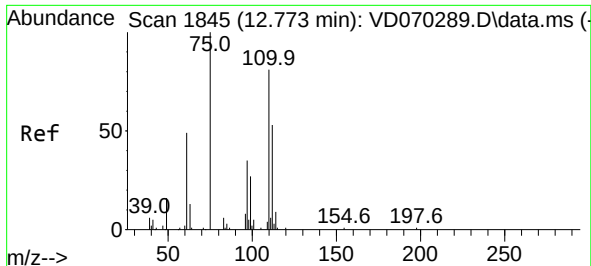
Tgt Ion:117 Resp: 559562
Ion Ratio Lower Upper
117 100
82 56.1 45.0 67.4
119 32.7 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070438.D
Acq: 23 Sep 2021 10:12

Tgt Ion:152 Resp: 221396
Ion Ratio Lower Upper
152 100
115 61.9 32.1 96.3
150 158.7 0.0 350.6

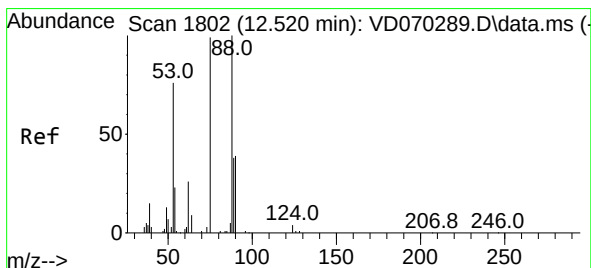
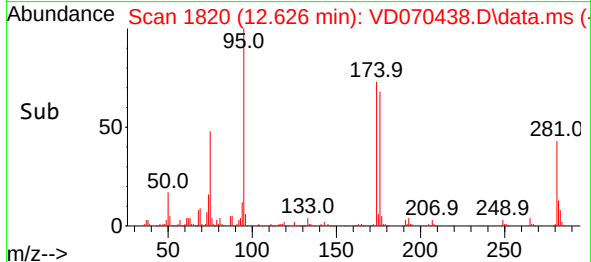
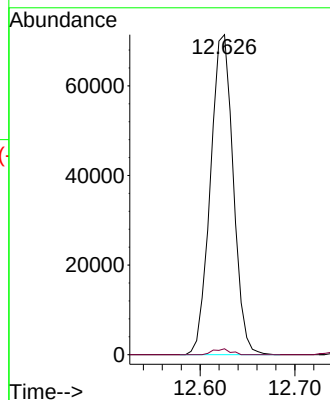
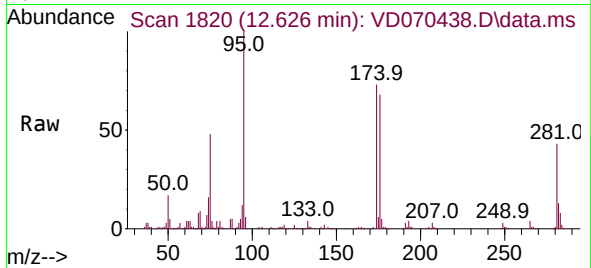




#76
1,2,3-Trichloropropane
Concen: 53.394 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070438.D
Acq: 23 Sep 2021 10:12

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBL01

Tgt Ion: 75 Resp: 119574
Ion Ratio Lower Upper
75 100
77 1.4 174.9 524.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 133.785 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070438.D
Acq: 23 Sep 2021 10:12

Tgt Ion: 75 Resp: 119574
Ion Ratio Lower Upper
75 100
53 0.2 64.2 96.2#
89 0.7 35.6 53.4#

