

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092421\
 Data File : VD070452.D
 Acq On : 24 Sep 2021 14:00
 Operator : VA/SY
 Sample : M3920-02
 Misc : 7.60G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 25 03:08:19 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)

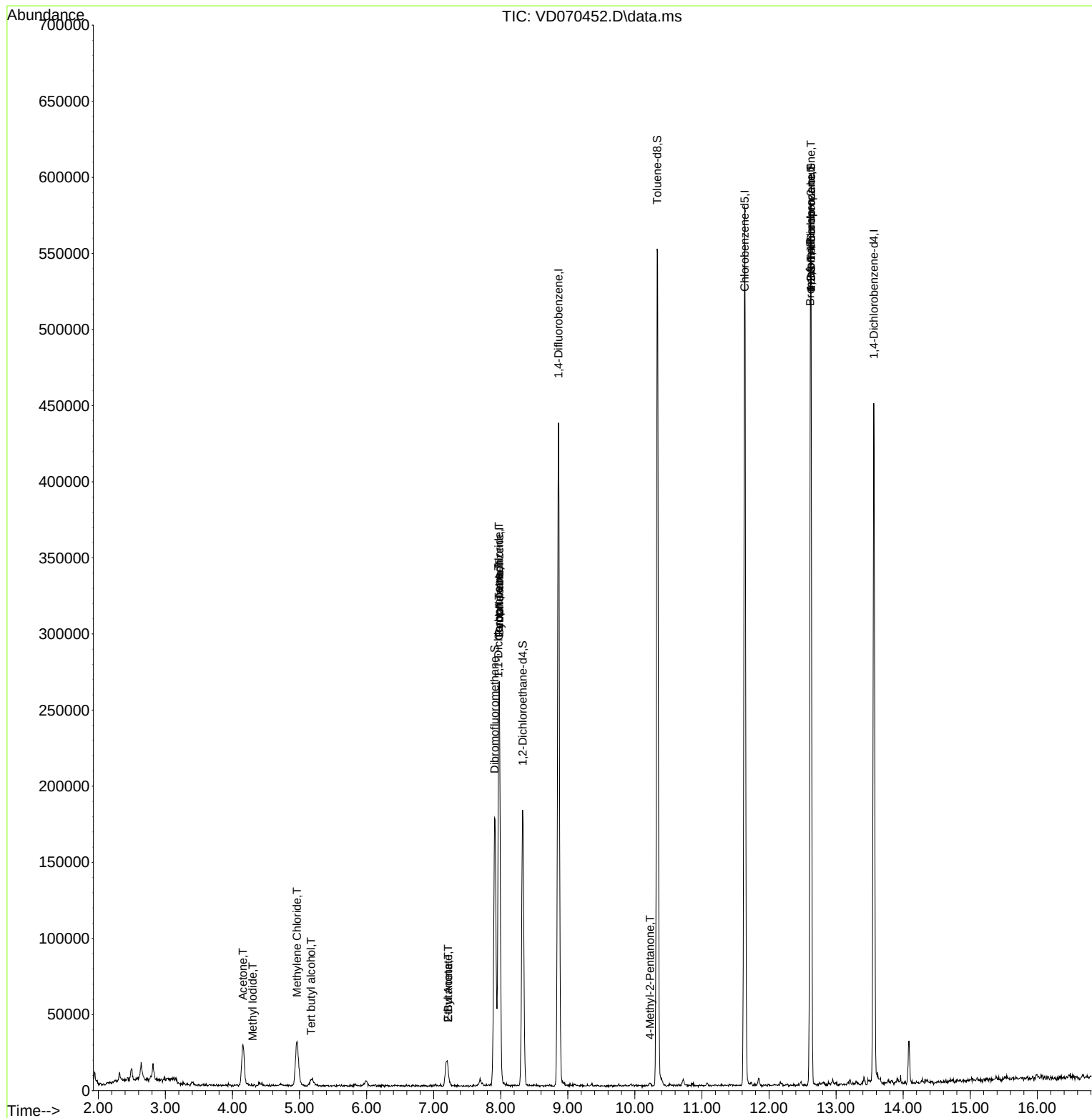
Internal Standards						
1) Pentafluorobenzene	7.979	168	193764	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	372023	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	346812	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	119723	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	142910	57.440	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.880%	
35) Dibromofluoromethane	7.908	113	134737	50.880	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.760%	
50) Toluene-d8	10.332	98	392208	40.793	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 81.580%	
62) 4-Bromofluorobenzene	12.626	95	116216	34.586	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 69.180%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	130	Below Cal	#	43
3) Chloromethane	2.215	50	561	Below Cal	#	42
5) Bromomethane	2.773	94	1078	Below Cal	#	62
6) Chloroethane	2.944	64	68	Below Cal	#	43
10) Methyl Iodide	4.303	142	76	1.060	ug/l #	1
11) Tert butyl alcohol	5.173	59	5083	18.069	ug/l #	100
16) Acetone	4.156	43	46477	104.633	ug/l	91
18) Methyl Acetate	4.720	43	1453	Below Cal	#	79
20) Methylene Chloride	4.962	84	23974	1.634	ug/l #	96
25) 2-Butanone	7.214	43	8240	13.936	ug/l	93
31) Cyclohexane	7.979	56	4596	1.072	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	17014	4.279	ug/l #	49
37) Ethyl Acetate	7.214	43	8240	5.542	ug/l #	78
38) Carbon Tetrachloride	7.973	117	21429	5.449	ug/l #	19
51) 4-Methyl-2-Pentanone	10.226	43	1799	1.265	ug/l #	64
71) Bromoform	12.614	173	1307	1.005	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	59759	49.346	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	59759	123.642	ug/l #	18

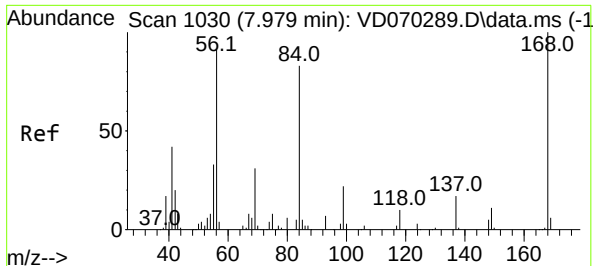
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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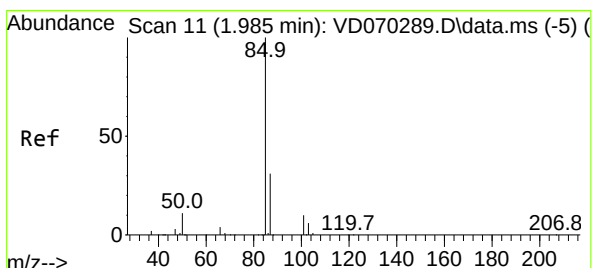
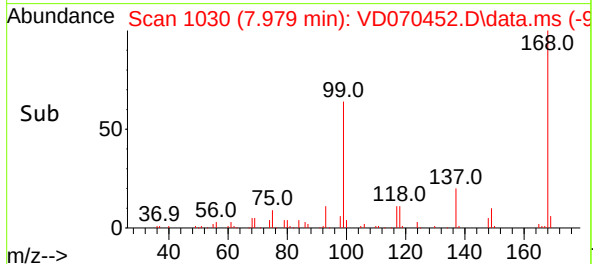
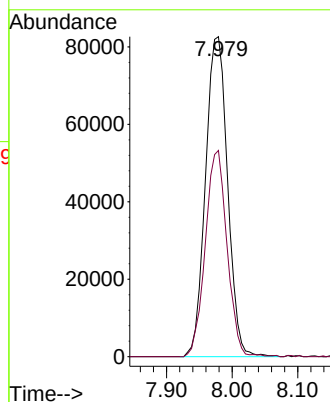
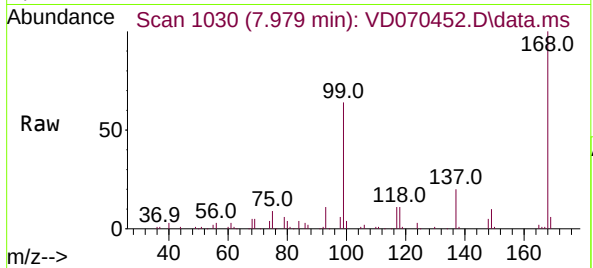




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070452.D
Acq: 24 Sep 2021 14:00

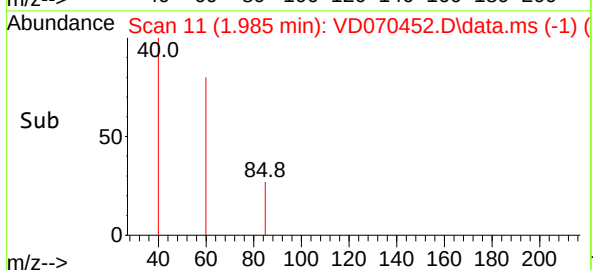
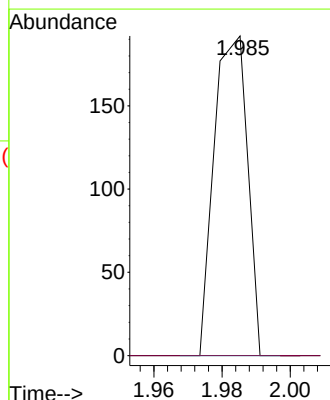
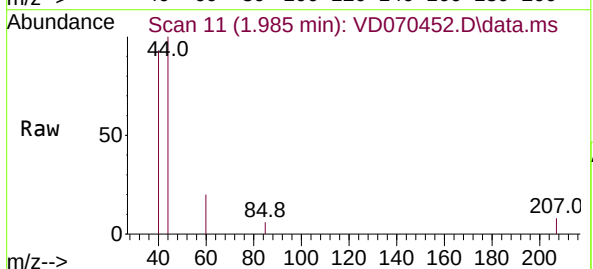
Instrument :
MSVOA_D
ClientSampleId :

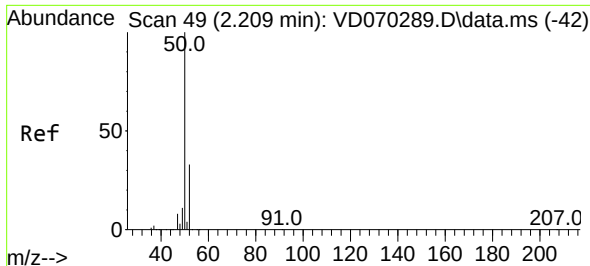
Tgt Ion:168 Resp: 193764
Ion Ratio Lower Upper
168 100
99 64.4 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.985 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD070452.D
Acq: 24 Sep 2021 14:00

Tgt Ion: 85 Resp: 130
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

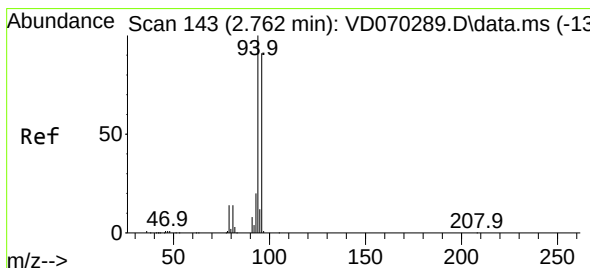
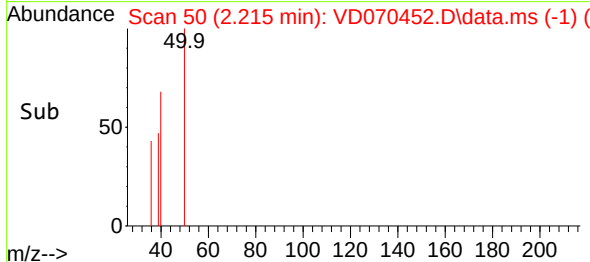
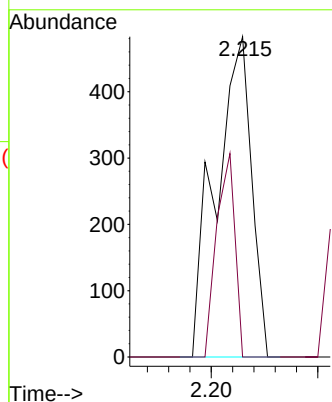
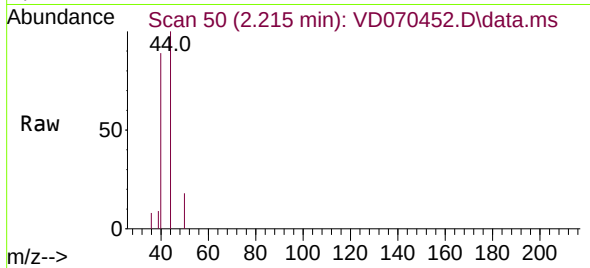




#3
Chloromethane
Concen: Below Cal
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD070452.D
Acq: 24 Sep 2021 14:00

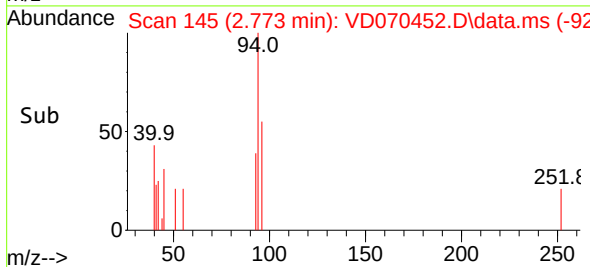
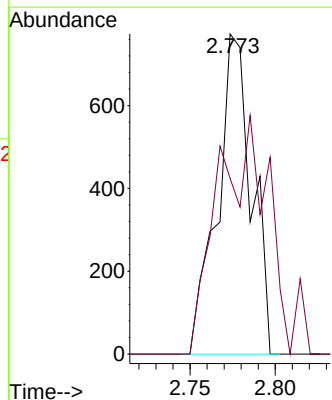
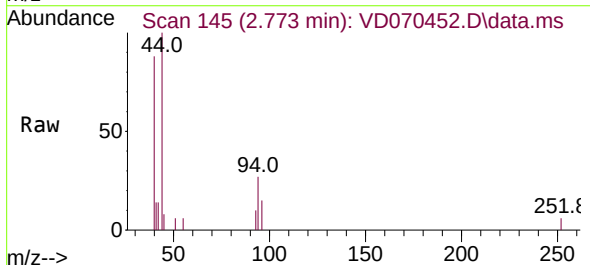
Instrument :
MSVOA_D
ClientSampled :

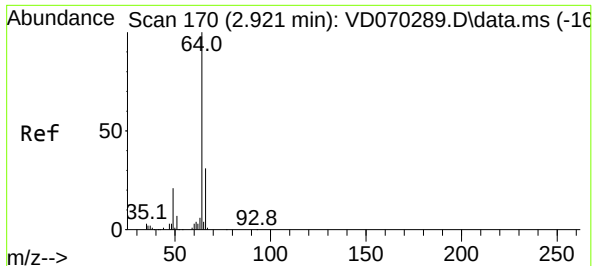
Tgt Ion: 50 Resp: 561
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD070452.D
Acq: 24 Sep 2021 14:00

Tgt Ion: 94 Resp: 1078
Ion Ratio Lower Upper
94 100
96 54.9 73.0 109.6#

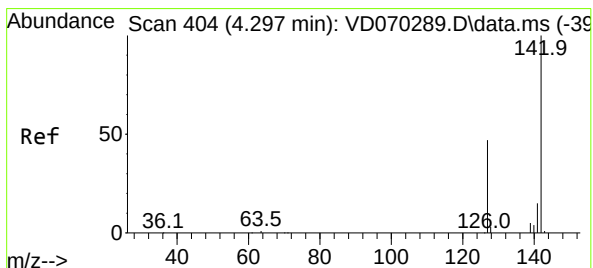
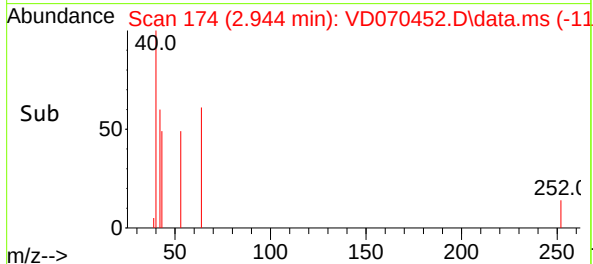
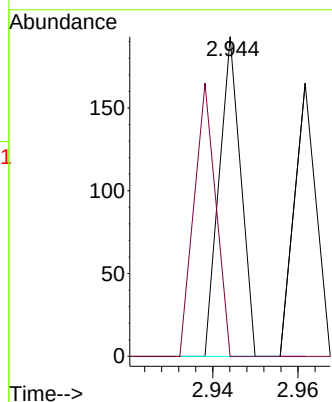
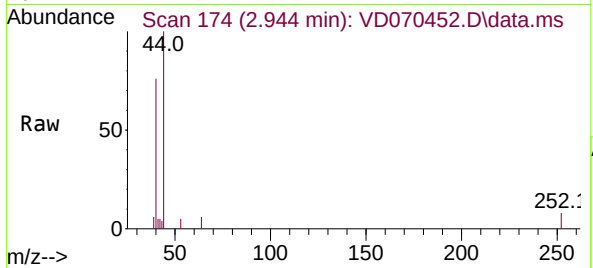




#6
Chloroethane
Concen: Below Cal
RT: 2.944 min Scan# 174
Delta R.T. 0.023 min
Lab File: VD070452.D
Acq: 24 Sep 2021 14:00

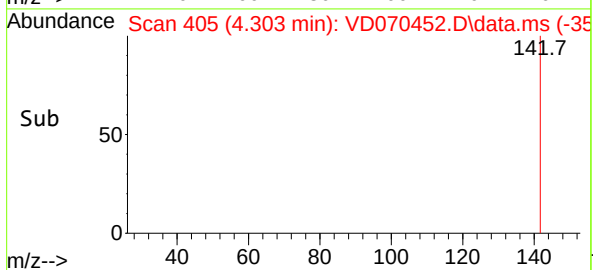
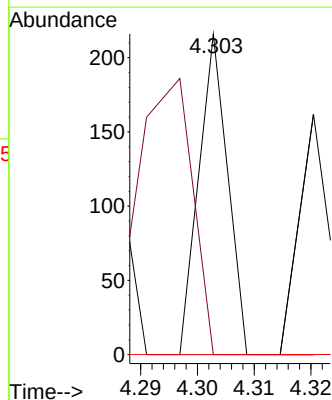
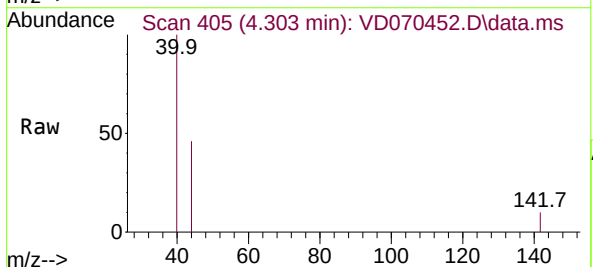
Instrument :
MSVOA_D
ClientSampled :

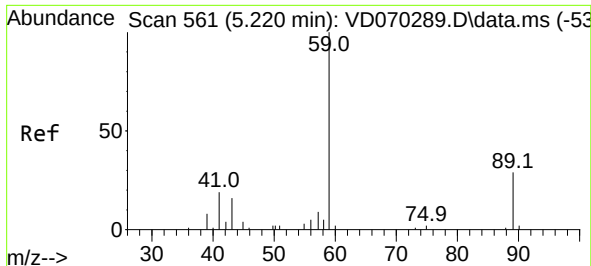
Tgt Ion: 64 Resp: 68
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#10
Methyl Iodide
Concen: 1.060 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD070452.D
Acq: 24 Sep 2021 14:00

Tgt Ion: 142 Resp: 76
Ion Ratio Lower Upper
142 100
127 160.5 36.9 55.3#
141 0.0 11.8 17.6#

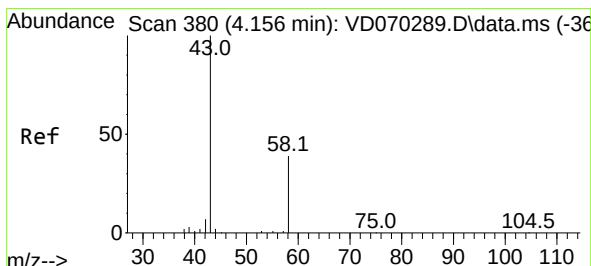
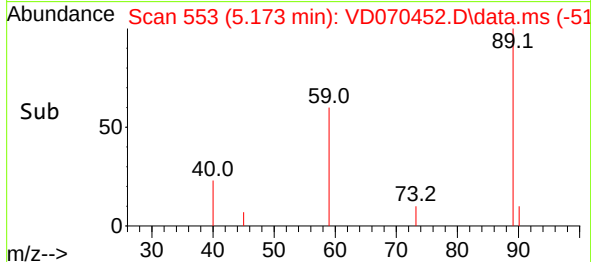
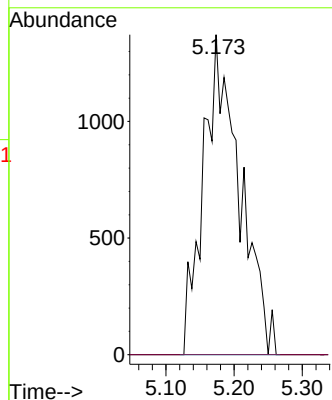
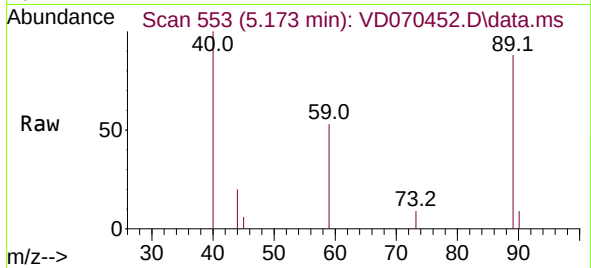




#11
Tert butyl alcohol
Concen: 18.069 ug/l
RT: 5.173 min Scan# 553
Delta R.T. -0.047 min
Lab File: VD070452.D
Acq: 24 Sep 2021 14:00

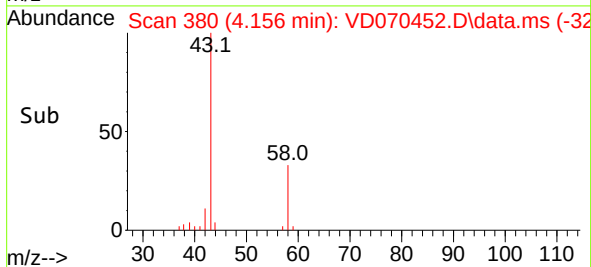
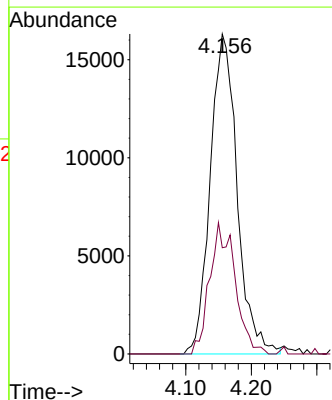
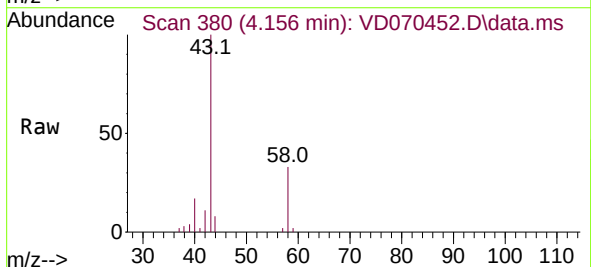
Instrument :
MSVOA_D
ClientSampleId :

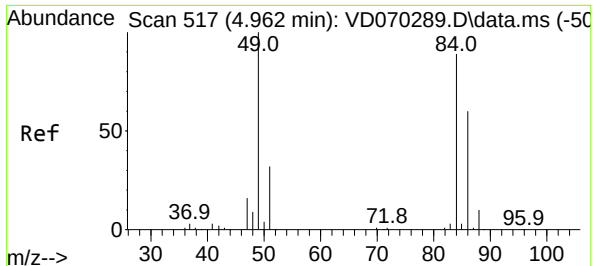
Tgt Ion: 59 Resp: 5083
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#16
Acetone
Concen: 104.633 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070452.D
Acq: 24 Sep 2021 14:00

Tgt Ion: 43 Resp: 46477
Ion Ratio Lower Upper
43 100
58 33.2 30.9 46.3





#20

Methylene Chloride

Concen: 1.634 ug/l

RT: 4.962 min Scan# 517

Delta R.T. -0.000 min

Lab File: VD070452.D

Acq: 24 Sep 2021 14:00

Tgt Ion: 84 Resp: 23974

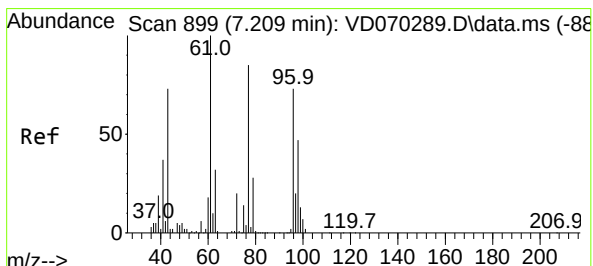
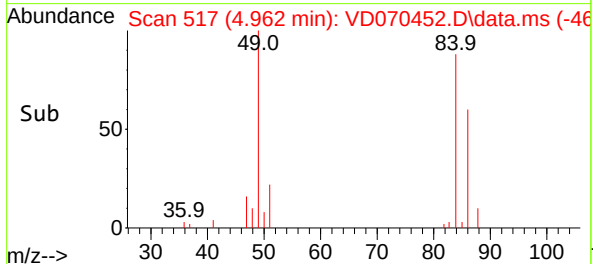
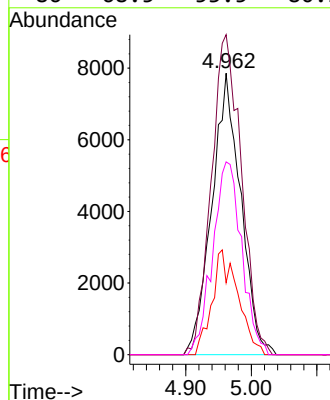
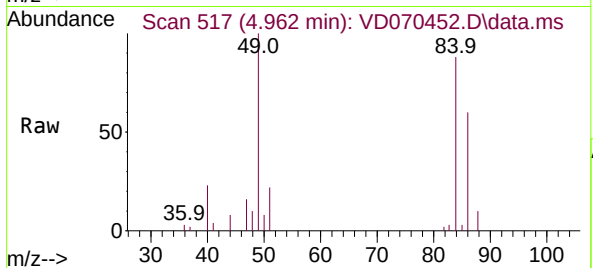
Ion Ratio Lower Upper

84 100

49 113.7 89.6 134.4

51 25.6 28.6 43.0#

86 68.5 53.5 80.3



#25

2-Butanone

Concen: 13.936 ug/l

RT: 7.214 min Scan# 900

Delta R.T. 0.006 min

Lab File: VD070452.D

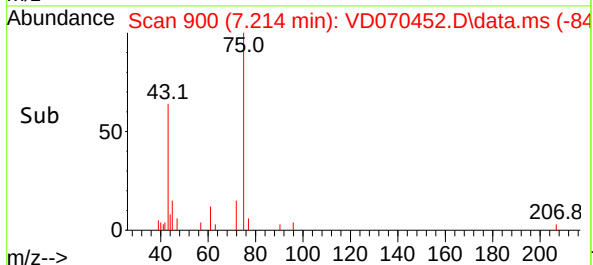
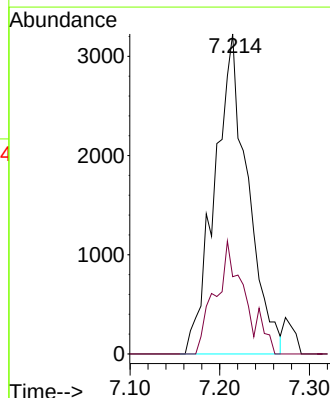
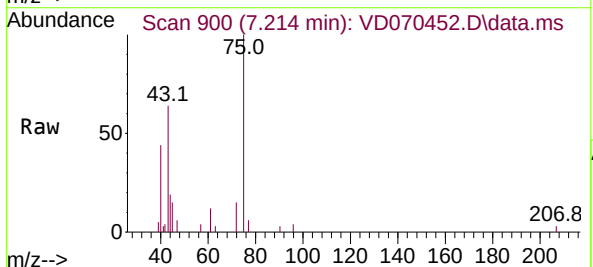
Acq: 24 Sep 2021 14:00

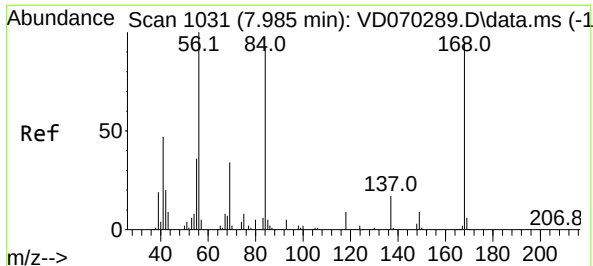
Tgt Ion: 43 Resp: 8240

Ion Ratio Lower Upper

43 100

72 24.2 22.2 33.4

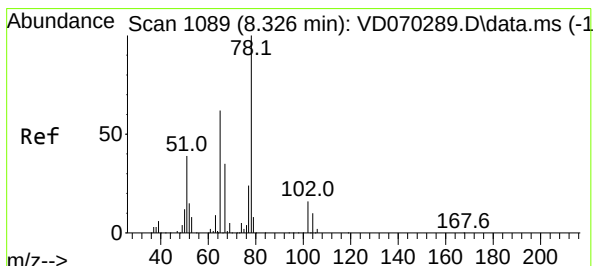
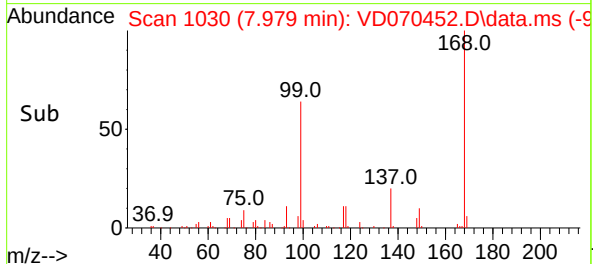
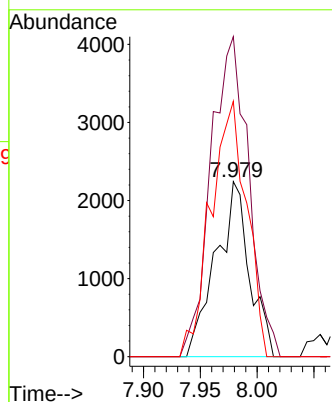
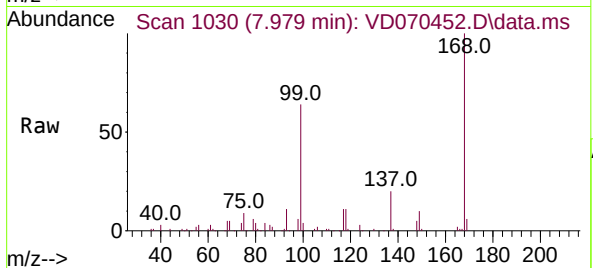




#31
Cyclohexane
Concen: 1.072 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070452.D
Acq: 24 Sep 2021 14:00

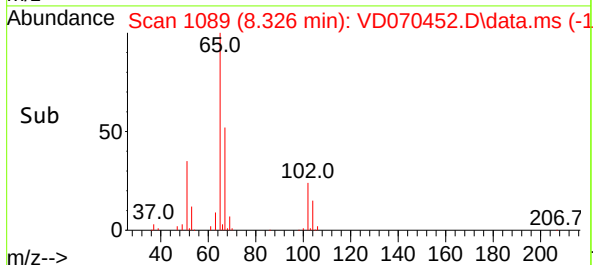
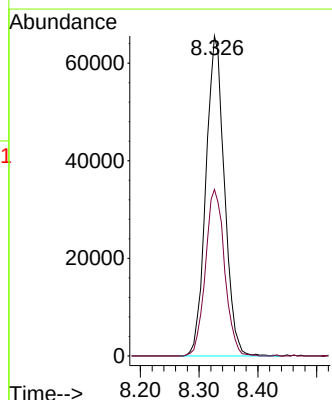
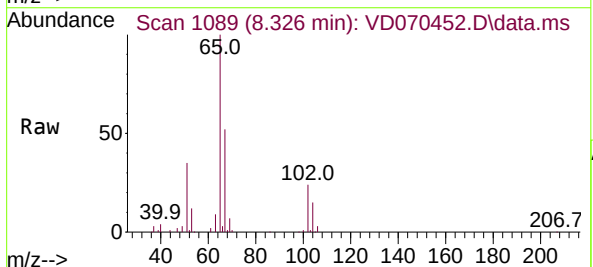
Instrument :
MSVOA_D
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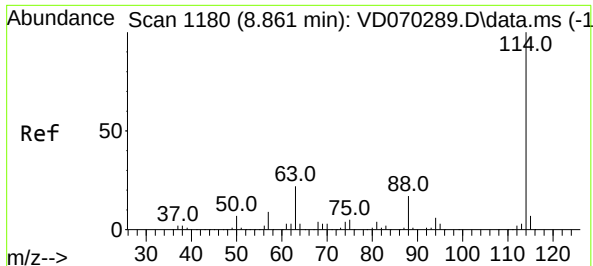
Tgt Ion: 56 Resp: 4596
Ion Ratio Lower Upper
56 100
69 182.8 26.9 40.3#
84 145.9 73.6 110.4#



#33
1,2-Dichloroethane-d4
Concen: 57.440 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070452.D
Acq: 24 Sep 2021 14:00

Tgt Ion: 65 Resp: 142910
Ion Ratio Lower Upper
65 100
67 53.9 0.0 111.4

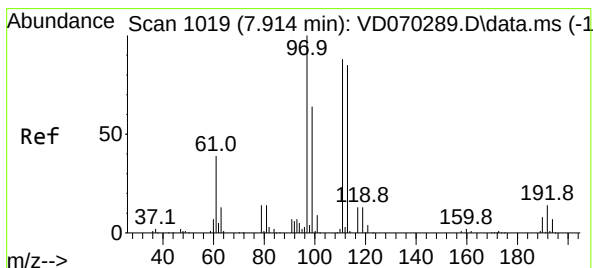
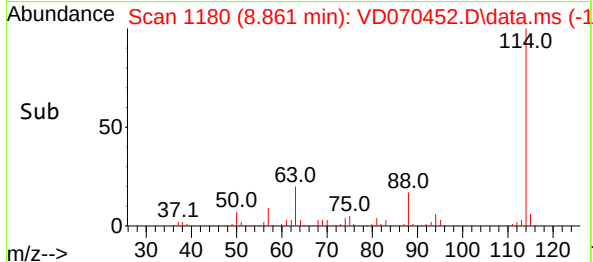
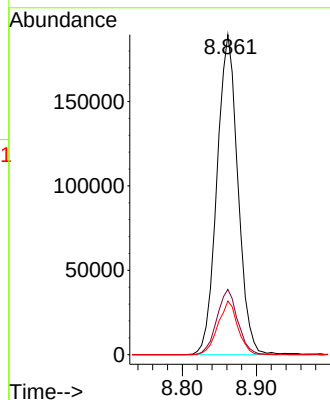
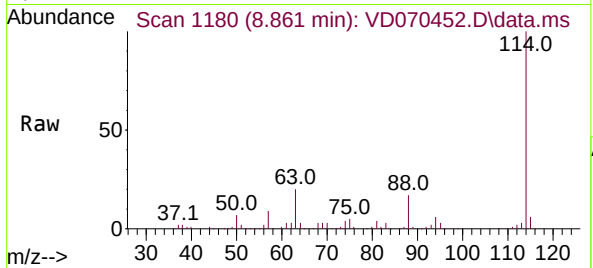




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070452.D
Acq: 24 Sep 2021 14:00

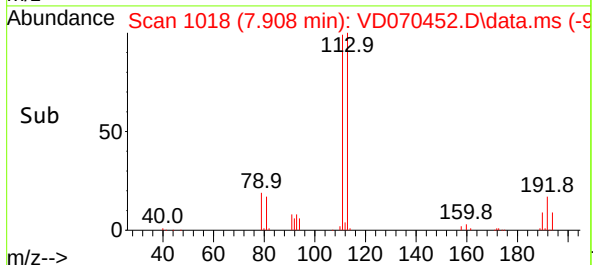
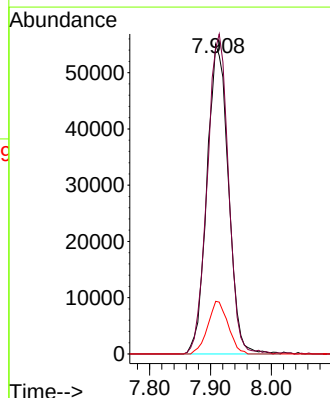
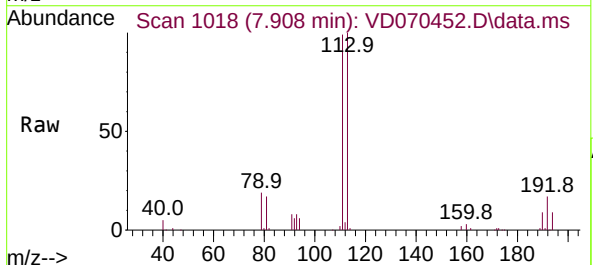
Instrument :
MSVOA_D
ClientSampled :

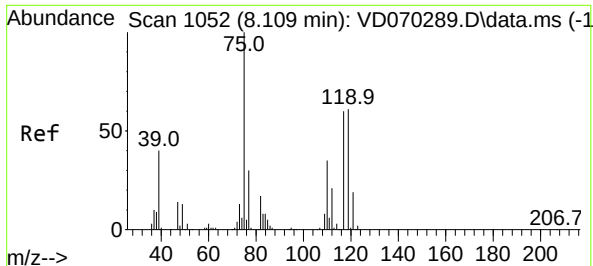
Tgt Ion:114 Resp: 372023
Ion Ratio Lower Upper
114 100
63 20.4 0.0 43.4
88 16.7 0.0 33.4



#35
Dibromofluoromethane
Concen: 50.880 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD070452.D
Acq: 24 Sep 2021 14:00

Tgt Ion:113 Resp: 134737
Ion Ratio Lower Upper
113 100
111 102.2 81.4 122.2
192 16.0 13.0 19.6

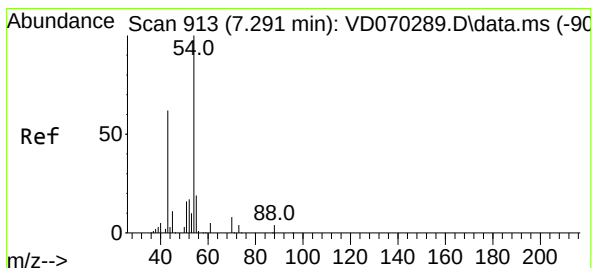
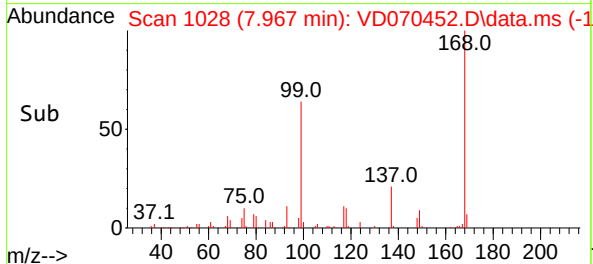
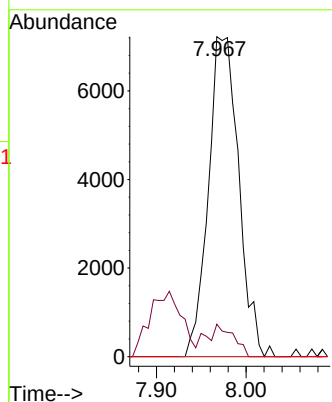
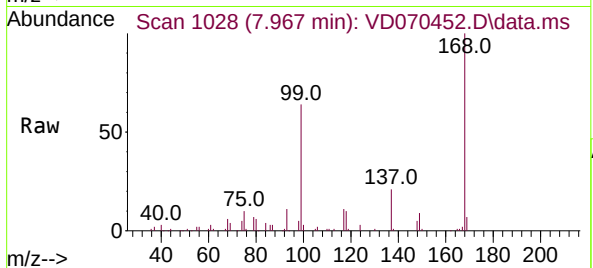




#36
1,1-Dichloropropene
Concen: 4.279 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.141 min
Lab File: VD070452.D
Acq: 24 Sep 2021 14:00

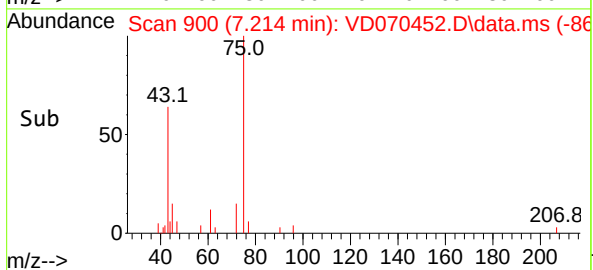
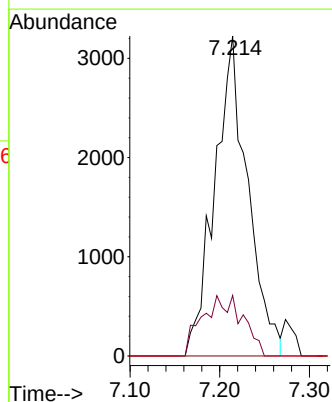
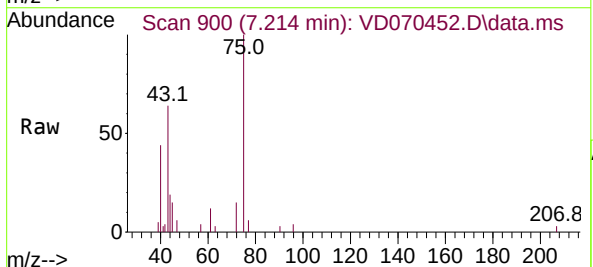
Instrument :
MSVOA_D
ClientSampleId :

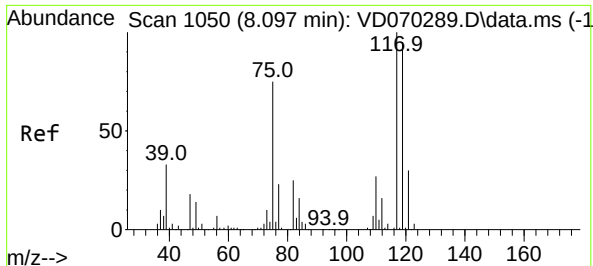
Tgt Ion: 75 Resp: 17014
Ion Ratio Lower Upper
75 100
110 8.9 17.9 53.7#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 5.542 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.077 min
Lab File: VD070452.D
Acq: 24 Sep 2021 14:00

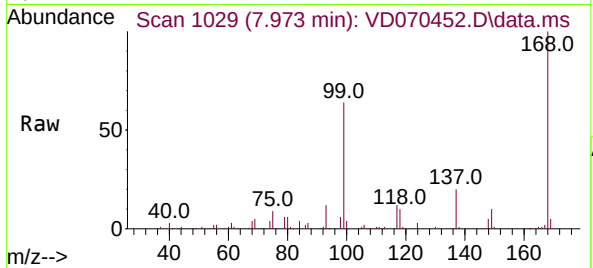
Tgt Ion: 43 Resp: 8240
Ion Ratio Lower Upper
43 100
61 23.0 13.0 19.6#
70 0.0 9.8 14.6#



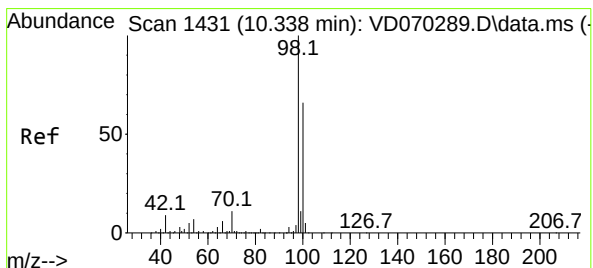
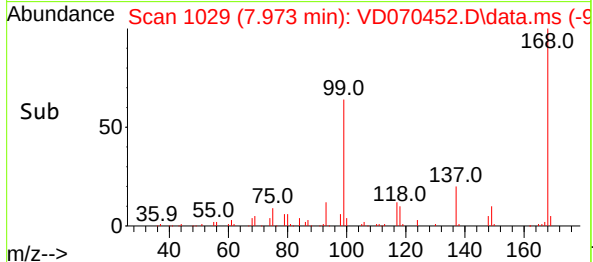
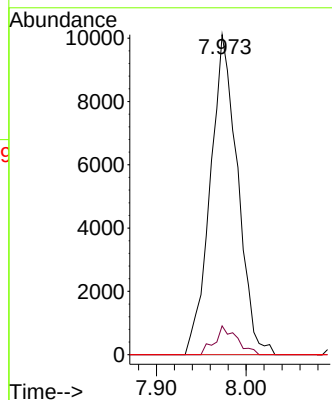


#38
Carbon Tetrachloride
Concen: 5.449 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070452.D
Acq: 24 Sep 2021 14:00

Instrument :
MSVOA_D
ClientSampleId :

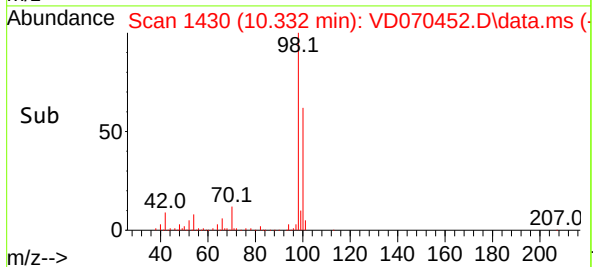
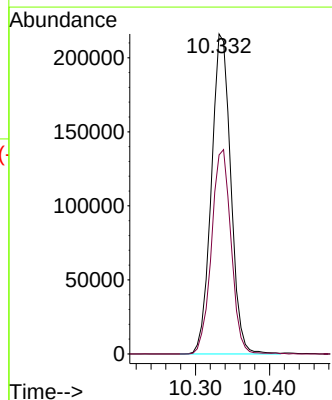
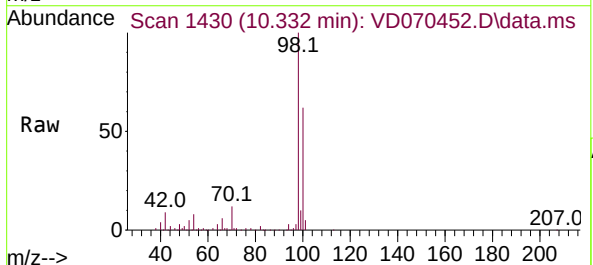


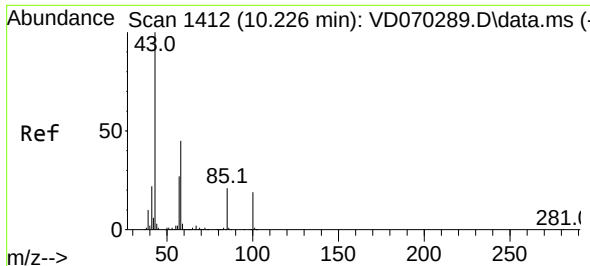
Tgt Ion:117 Resp: 21429
Ion Ratio Lower Upper
117 100
119 9.0 76.1 114.1#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 40.793 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070452.D
Acq: 24 Sep 2021 14:00

Tgt Ion: 98 Resp: 392208
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0

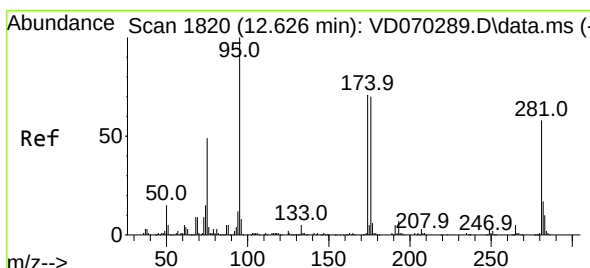
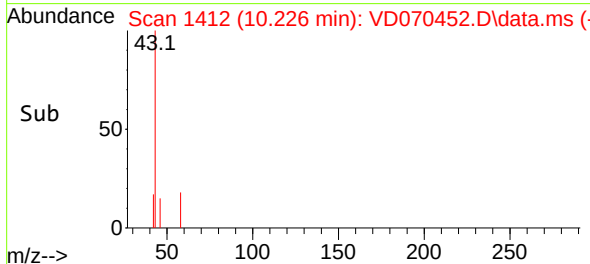
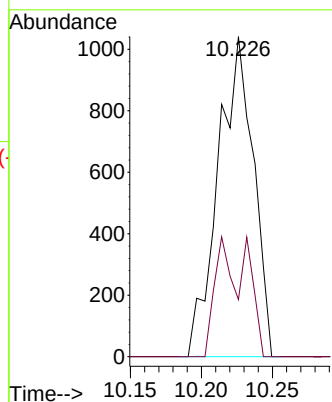
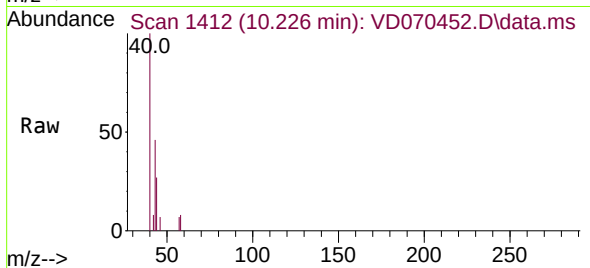




#51
4-Methyl-2-Pentanone
Concen: 1.265 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD070452.D
Acq: 24 Sep 2021 14:00

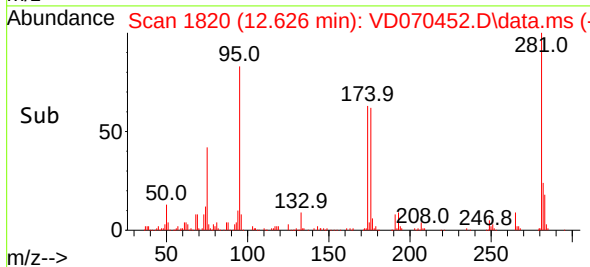
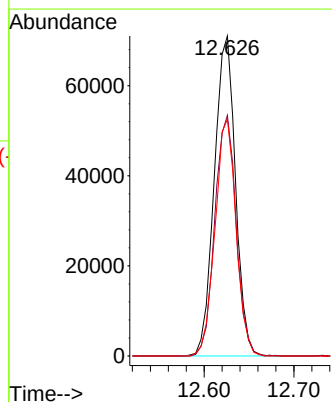
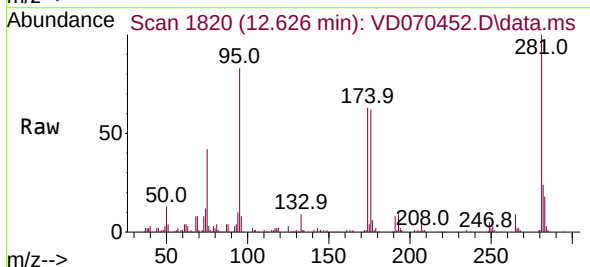
Instrument :
MSVOA_D
ClientSampled :

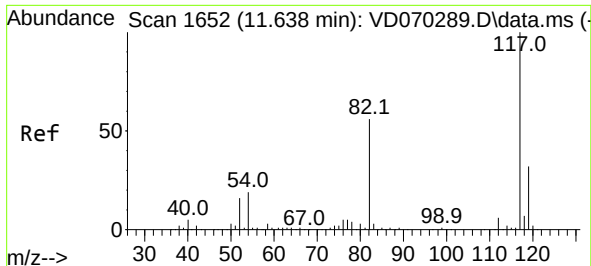
Tgt Ion: 43 Resp: 1799
Ion Ratio Lower Upper
43 100
58 20.6 35.4 53.2#



#62
4-Bromofluorobenzene
Concen: 34.586 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070452.D
Acq: 24 Sep 2021 14:00

Tgt Ion: 95 Resp: 116216
Ion Ratio Lower Upper
95 100
174 75.8 0.0 140.6
176 73.4 0.0 137.4

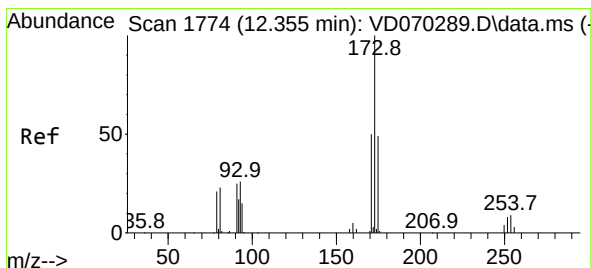
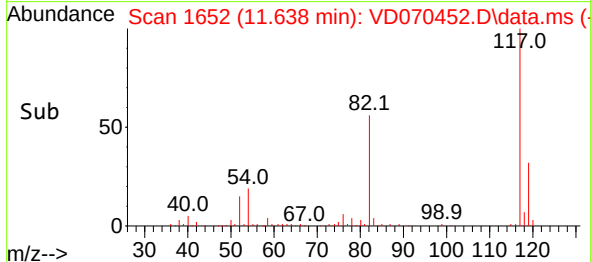
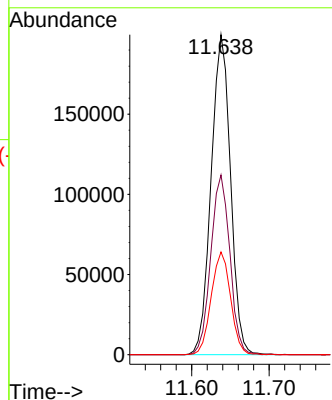
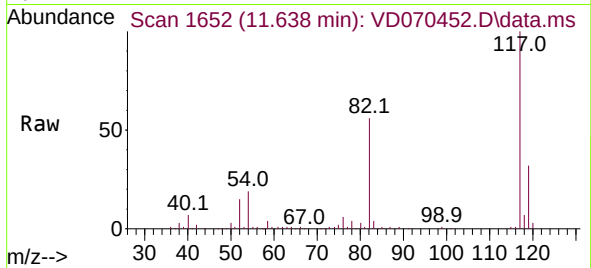




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070452.D
Acq: 24 Sep 2021 14:00

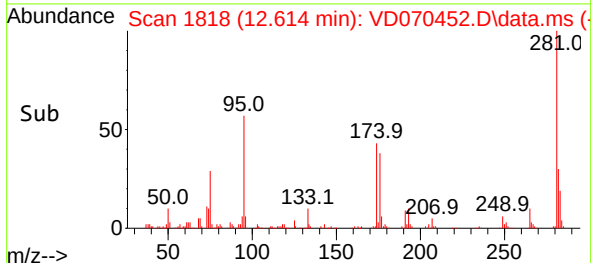
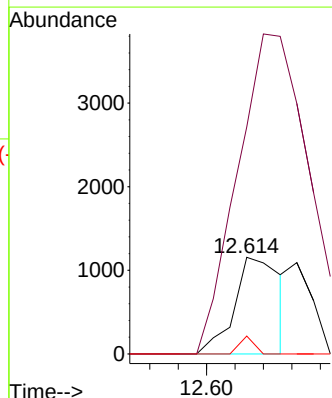
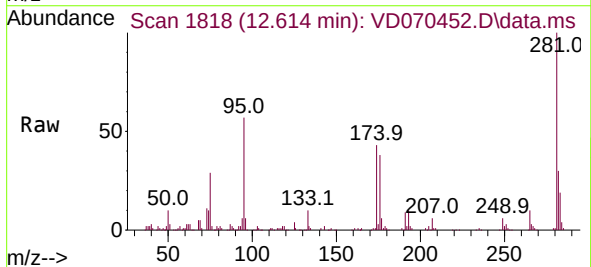
Instrument :
MSVOA_D
ClientSampleId :

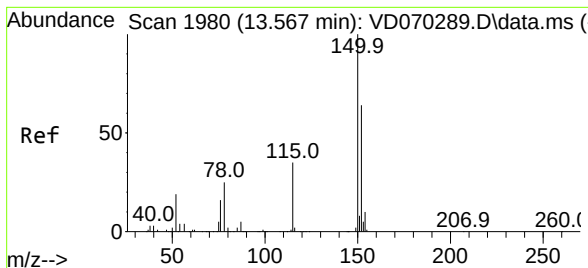
Tgt Ion:117 Resp: 346812
Ion Ratio Lower Upper
117 100
82 56.1 45.0 67.4
119 32.1 25.2 37.8



#71
Bromoform
Concen: 1.005 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.259 min
Lab File: VD070452.D
Acq: 24 Sep 2021 14:00

Tgt Ion:173 Resp: 1307
Ion Ratio Lower Upper
173 100
175 425.2 25.1 75.2#
254 5.8 0.1 0.1#

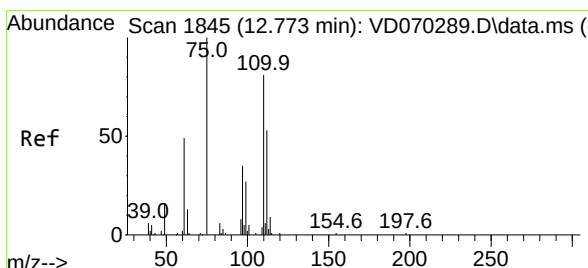
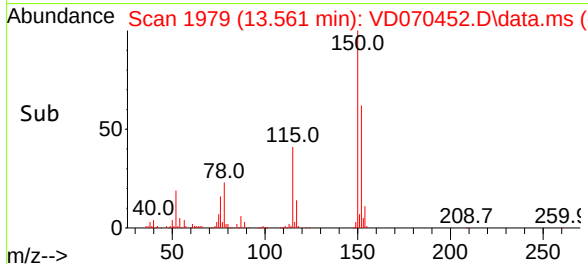
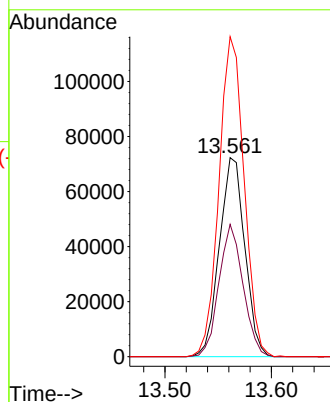
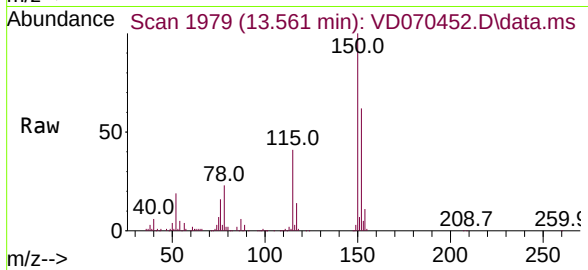




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. -0.006 min
 Lab File: VD070452.D
 Acq: 24 Sep 2021 14:00

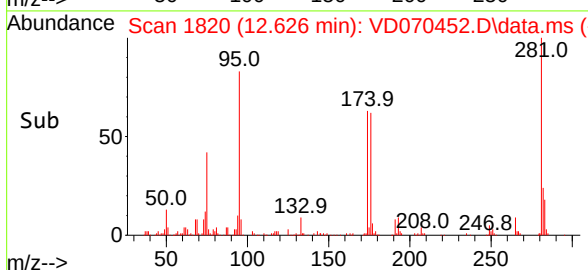
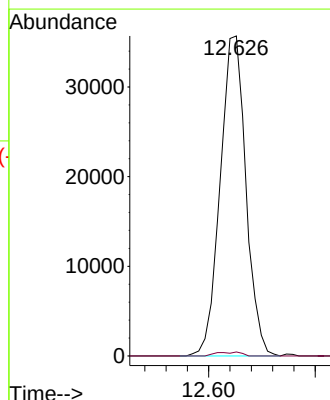
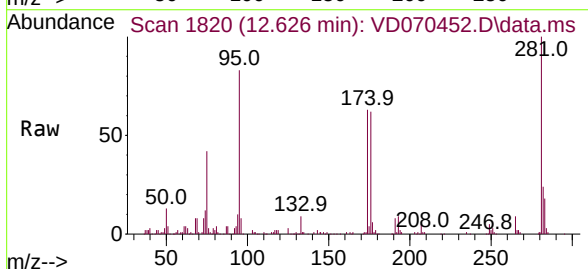
Instrument :
 MSVOA_D
 ClientSampleId :

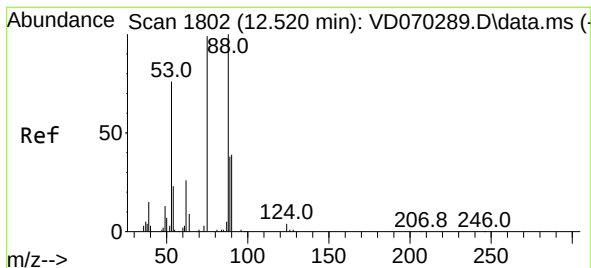
Tgt Ion:152 Resp: 119723
 Ion Ratio Lower Upper
 152 100
 115 63.0 32.1 96.3
 150 158.8 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 49.346 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD070452.D
 Acq: 24 Sep 2021 14:00

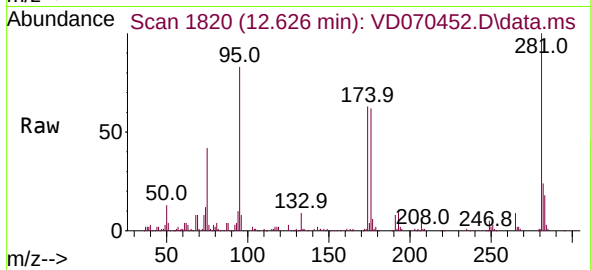
Tgt Ion: 75 Resp: 59759
 Ion Ratio Lower Upper
 75 100
 77 1.2 174.9 524.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.642 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD070452.D
 Acq: 24 Sep 2021 14:00

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 59759
 Ion Ratio Lower Upper
 75 100
 53 0.2 64.2 96.2#
 89 1.8 35.6 53.4#

