

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050521\
 Data File : VD069072.D
 Acq On : 05 May 2021 16:36
 Operator : VA/SY
 Sample : M2279-01
 Misc : 6.33G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 06 05:46:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050421S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 05 04:16:41 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

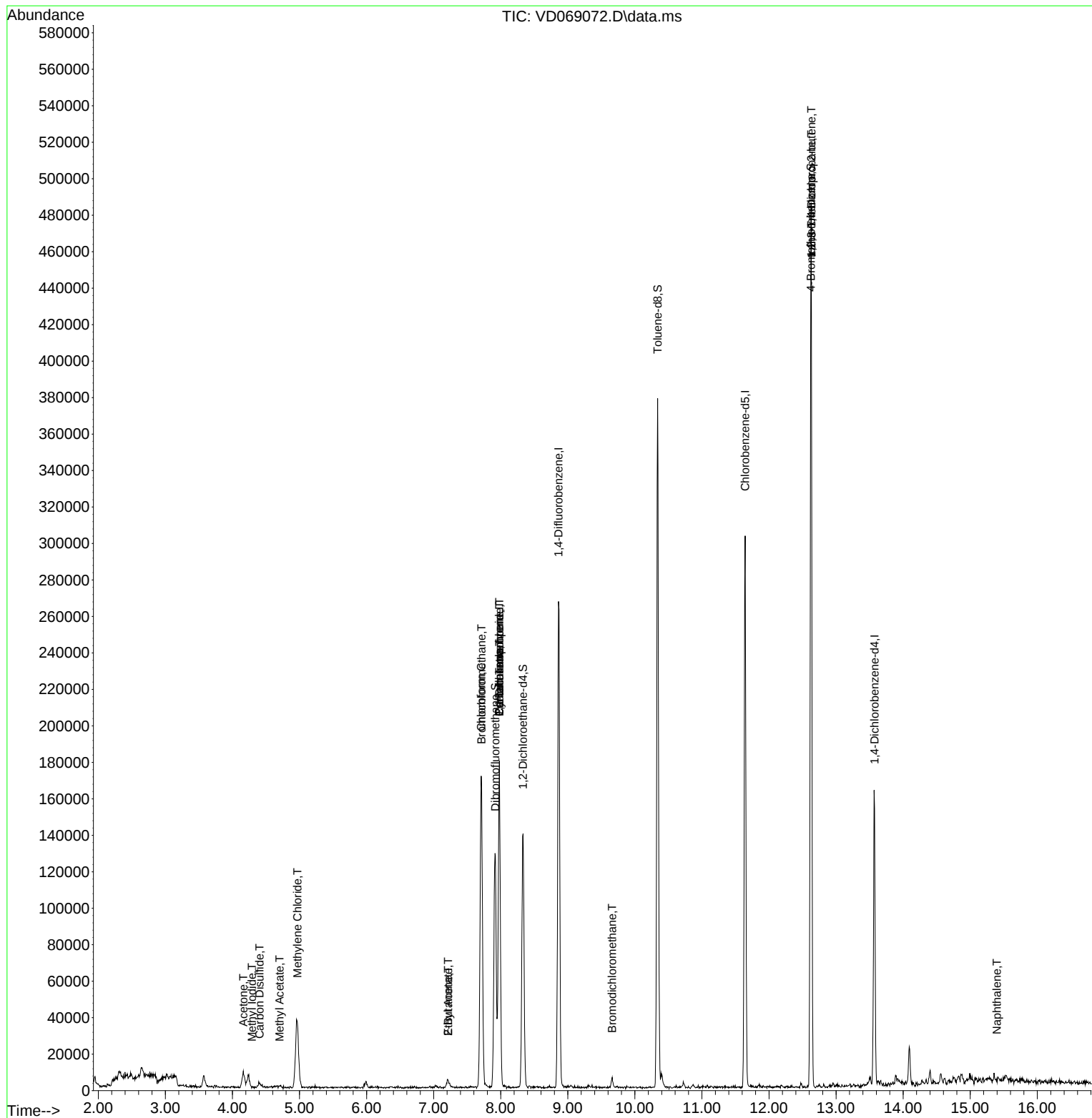
Internal Standards						
1) Pentafluorobenzene	7.979	168	114308	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	222555	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	164319	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	39661	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	116332	78.97	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 157.94%			
35) Dibromofluoromethane	7.920	113	93998	61.59	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 123.18%			
50) Toluene-d8	10.338	98	246879	43.82	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 87.64%			
62) 4-Bromofluorobenzene	12.626	95	57313	30.92	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 61.84%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.291	142	66	3.22	ug/l #	1
16) Acetone	4.162	43	14620	50.96	ug/l	99
17) Carbon Disulfide	4.403	76	4900	1.21	ug/l	98
18) Methyl Acetate	4.703	43	984	1.72	ug/l #	59
20) Methylene Chloride	4.967	84	29191	15.55	ug/l	91
25) 2-Butanone	7.214	43	6588	20.92	ug/l #	77
28) Bromochloromethane	7.714	49	13659	13.90	ug/l #	11
30) Chloroform	7.709	83	159176	58.48	ug/l	98
31) Cyclohexane	7.979	56	3672	1.72	ug/l #	56
36) 1,1-Dichloropropene	7.979	75	10419	4.45	ug/l #	44
37) Ethyl Acetate	7.214	43	6588	7.46	ug/l #	69
38) Carbon Tetrachloride	7.979	117	12935	5.09	ug/l #	21
47) Bromodichloromethane	9.661	83	3533	1.47	ug/l #	72
76) 1,2,3-Trichloropropane	12.632	75	33520	97.09	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	33520	211.25	ug/l #	11
95) Naphthalene	15.396	128	432	3.13	ug/l #	69

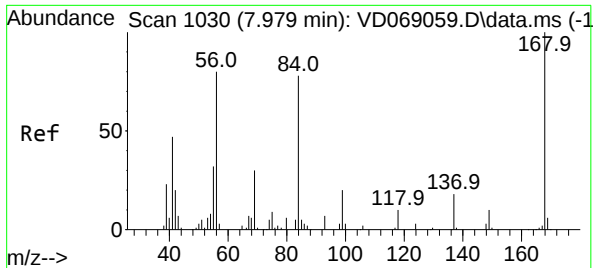
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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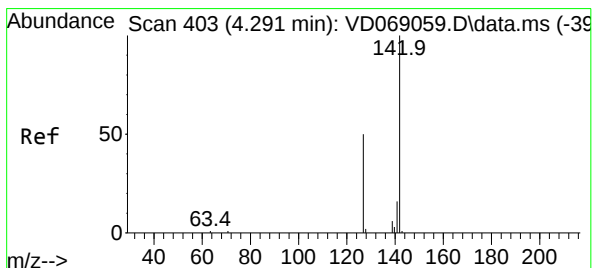
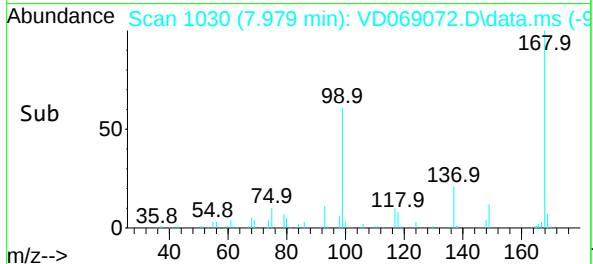
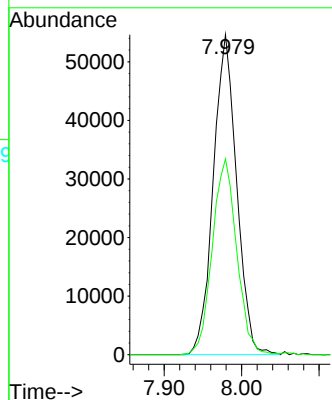
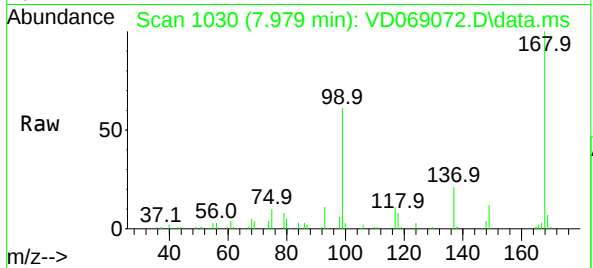




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069072.D
Acq: 05 May 2021 16:36

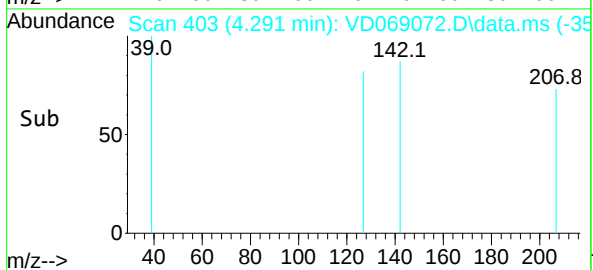
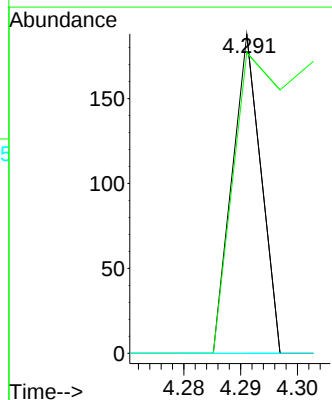
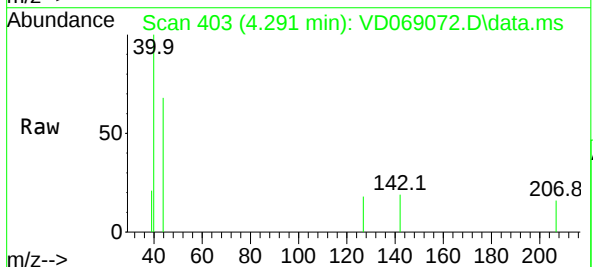
Instrument :
MSVOA_D
ClientSampled :

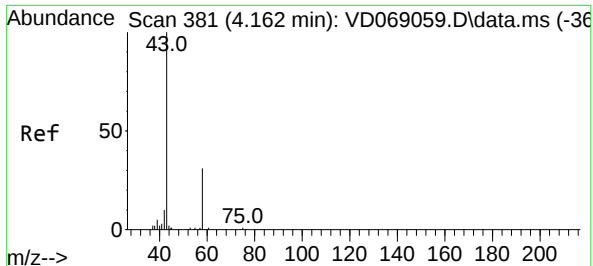
Tgt Ion:168 Resp: 114308
Ion Ratio Lower Upper
168 100
99 61.2 52.6 78.8



#10
Methyl Iodide
Concen: 3.22 ug/l
RT: 4.291 min Scan# 403
Delta R.T. 0.000 min
Lab File: VD069072.D
Acq: 05 May 2021 16:36

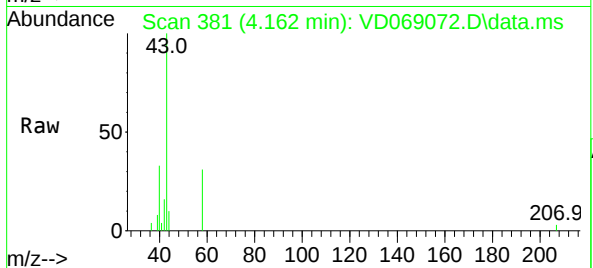
Tgt Ion:142 Resp: 66
Ion Ratio Lower Upper
142 100
127 269.7 41.6 62.4#
141 0.0 12.2 18.4#



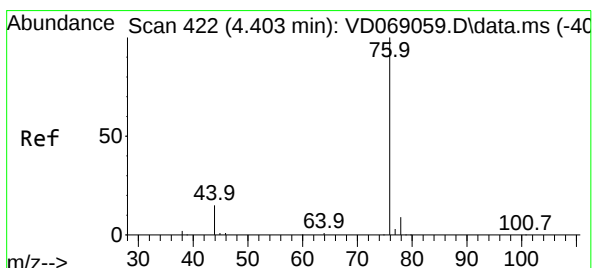
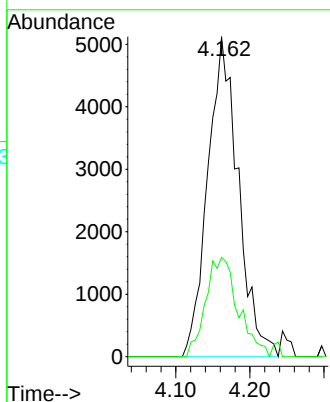
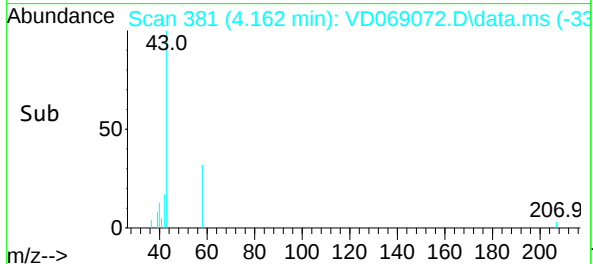


#16
Acetone
Concen: 50.96 ug/l
RT: 4.162 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD069072.D
Acq: 05 May 2021 16:36

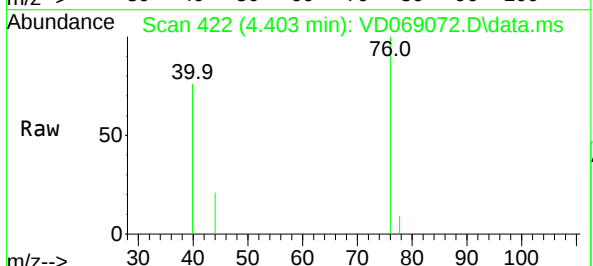
Instrument :
MSVOA_D
ClientSampled :



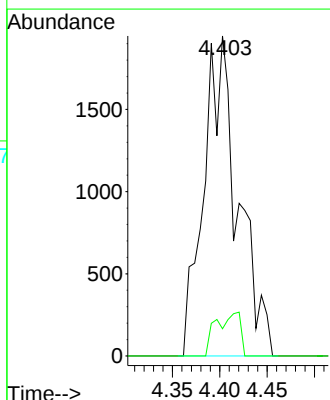
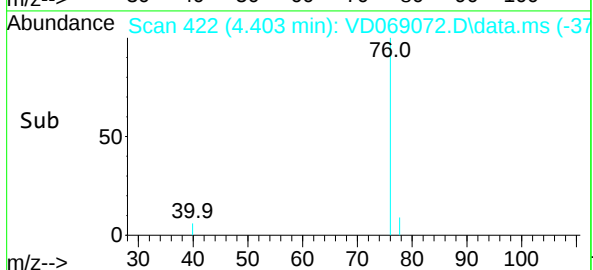
Tgt Ion: 43 Resp: 14620
Ion Ratio Lower Upper
43 100
58 31.0 24.5 36.7

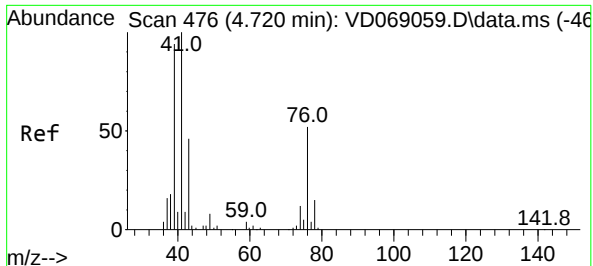


#17
Carbon Disulfide
Concen: 1.21 ug/l
RT: 4.403 min Scan# 422
Delta R.T. 0.000 min
Lab File: VD069072.D
Acq: 05 May 2021 16:36



Tgt Ion: 76 Resp: 4900
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.2





#18

Methyl Acetate

Concen: 1.72 ug/l

RT: 4.703 min Scan# 473

Delta R.T. -0.018 min

Lab File: VD069072.D

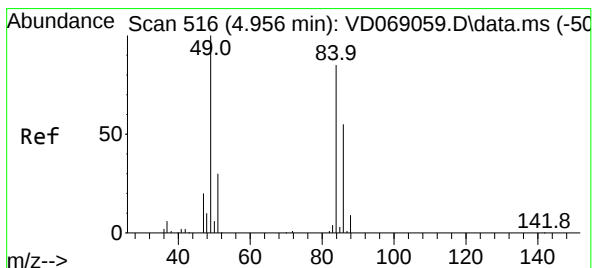
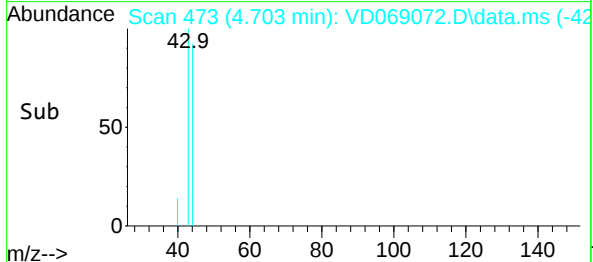
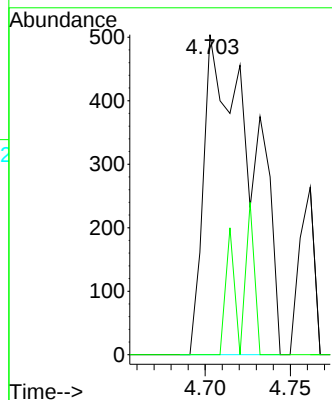
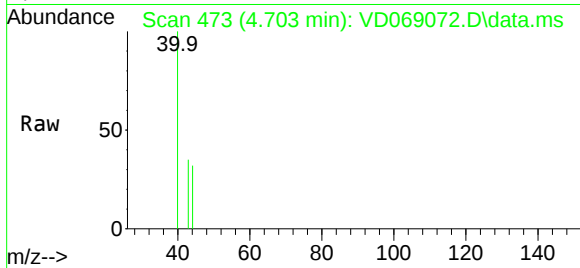
Acq: 05 May 2021 16:36

Tgt Ion: 43 Resp: 984

Ion Ratio Lower Upper

43 100

74 7.2 23.3 34.9#



#20

Methylene Chloride

Concen: 15.55 ug/l

RT: 4.967 min Scan# 518

Delta R.T. 0.011 min

Lab File: VD069072.D

Acq: 05 May 2021 16:36

Tgt Ion: 84 Resp: 29191

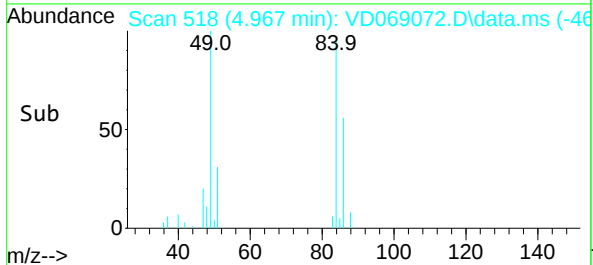
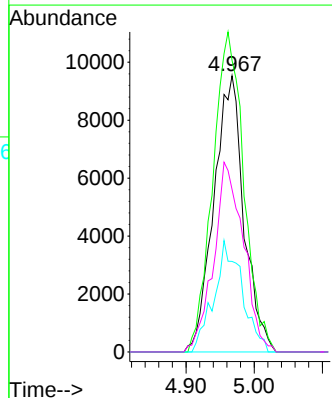
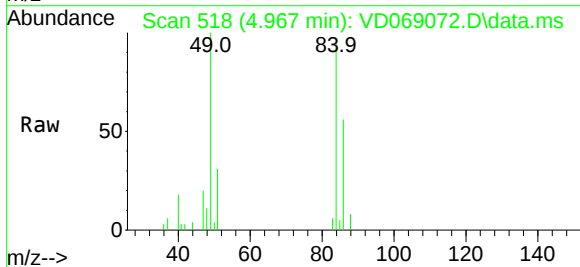
Ion Ratio Lower Upper

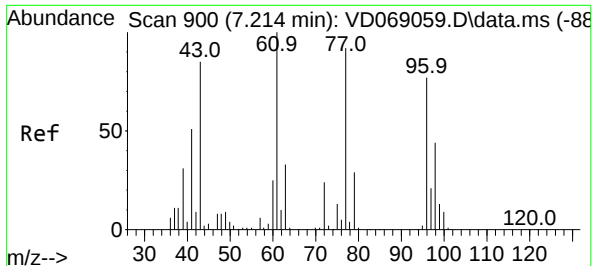
84 100

49 105.6 93.9 140.9

51 32.8 27.9 41.9

86 58.9 52.1 78.1

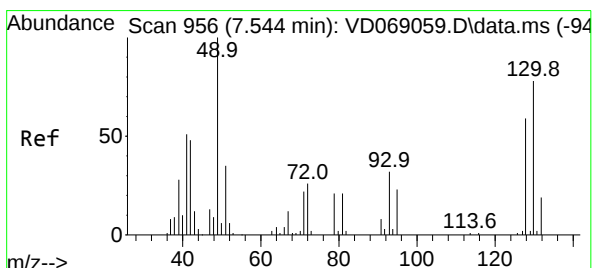
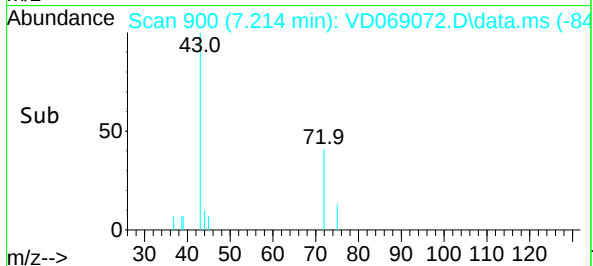
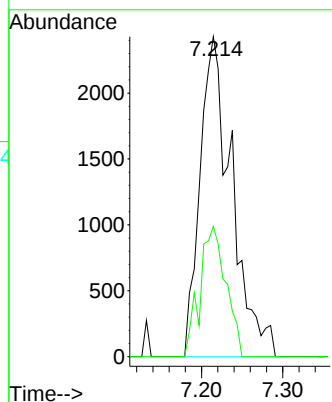
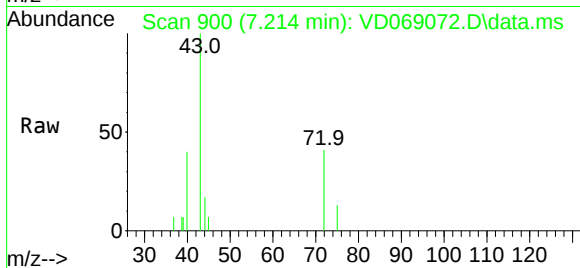




#25
2-Butanone
Concen: 20.92 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD069072.D
Acq: 05 May 2021 16:36

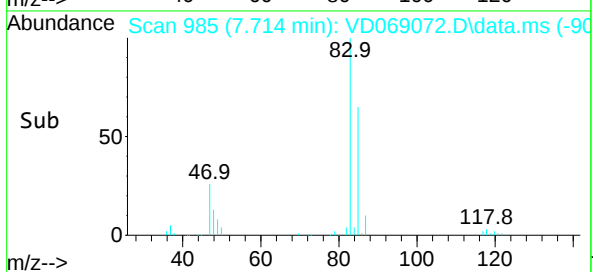
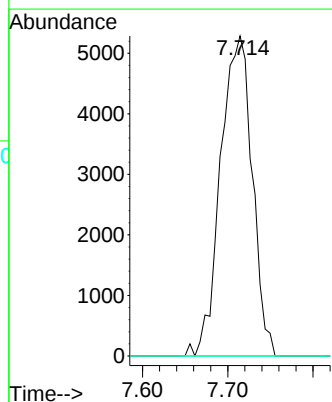
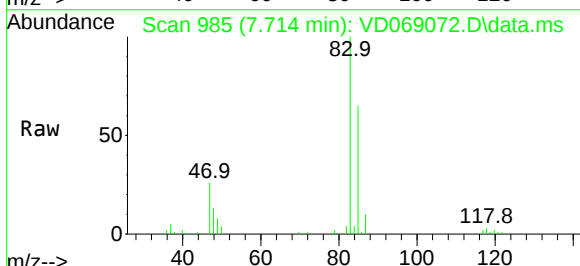
Instrument :
MSVOA_D
ClientSampled :

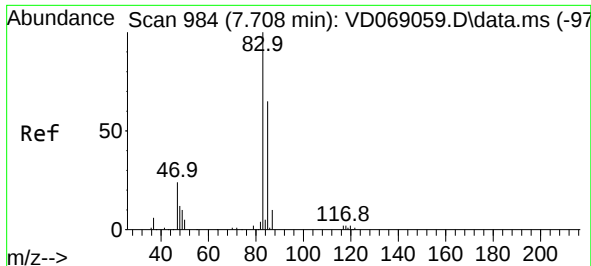
Tgt Ion: 43 Resp: 6588
Ion Ratio Lower Upper
43 100
72 40.7 23.0 34.4#



#28
Bromochloromethane
Concen: 13.90 ug/l
RT: 7.714 min Scan# 985
Delta R.T. 0.171 min
Lab File: VD069072.D
Acq: 05 May 2021 16:36

Tgt Ion: 49 Resp: 13659
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.2
130 0.0 64.9 97.3#





#30

Chloroform

Concen: 58.48 ug/l

RT: 7.709 min Scan# 984

Delta R.T. 0.000 min

Lab File: VD069072.D

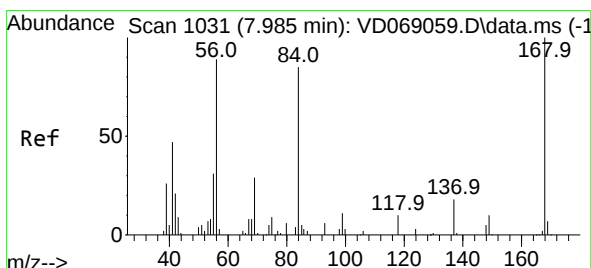
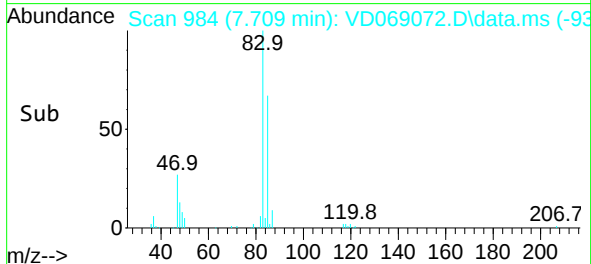
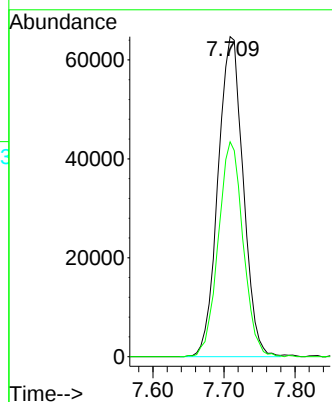
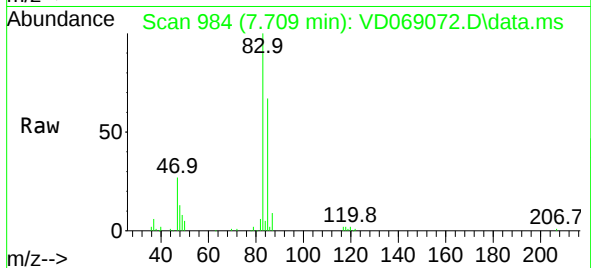
Acq: 05 May 2021 16:36

Tgt Ion: 83 Resp: 159176

Ion Ratio Lower Upper

83 100

85 67.1 52.4 78.6



#31

Cyclohexane

Concen: 1.72 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD069072.D

Acq: 05 May 2021 16:36

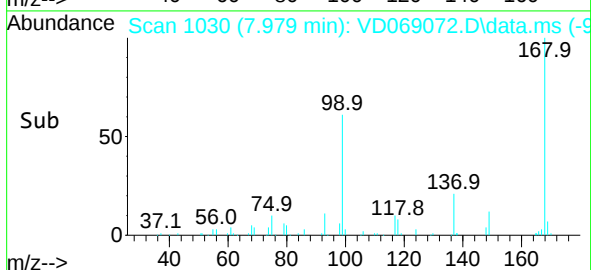
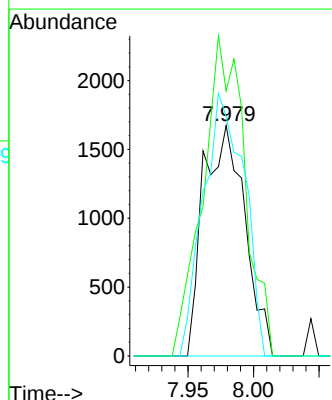
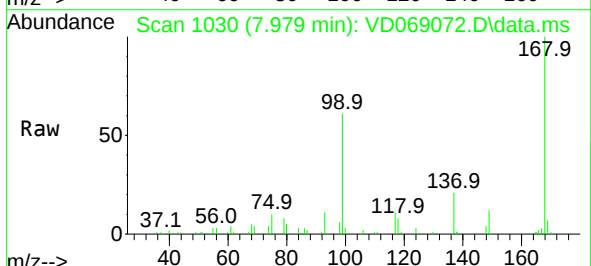
Tgt Ion: 56 Resp: 3672

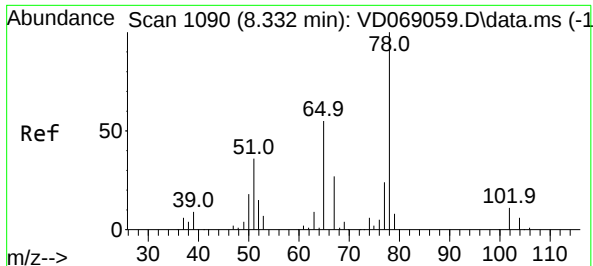
Ion Ratio Lower Upper

56 100

69 115.1 26.3 39.5#

84 104.1 75.9 113.9

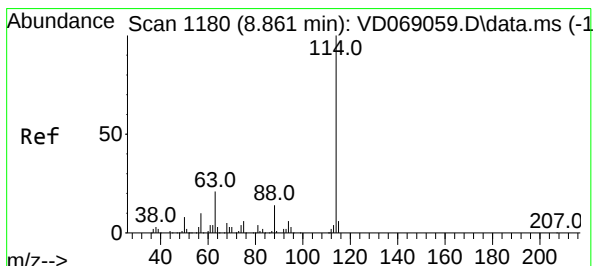
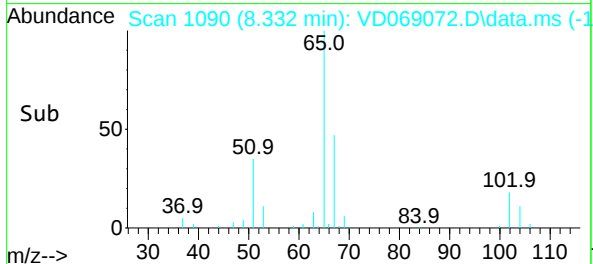
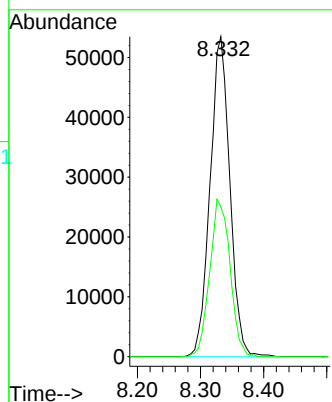
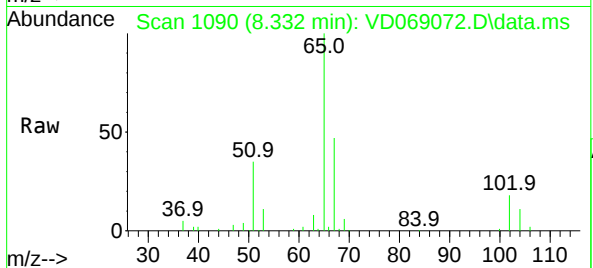




#33
1,2-Dichloroethane-d4
Concen: 78.97 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069072.D
Acq: 05 May 2021 16:36

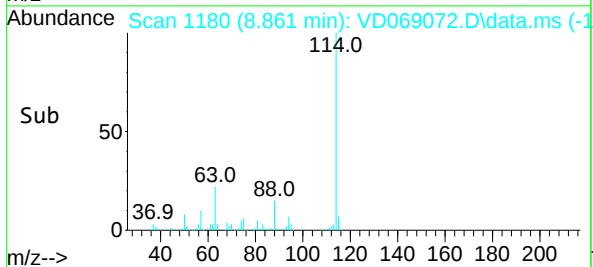
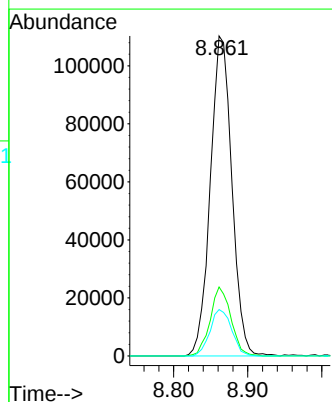
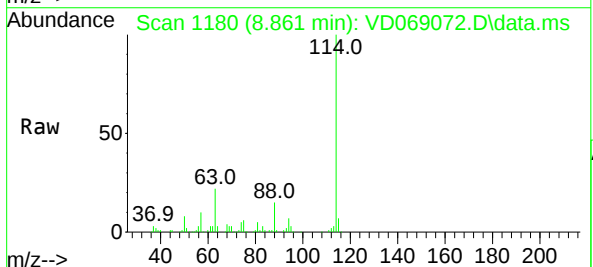
Instrument :
MSVOA_D
ClientSampled :

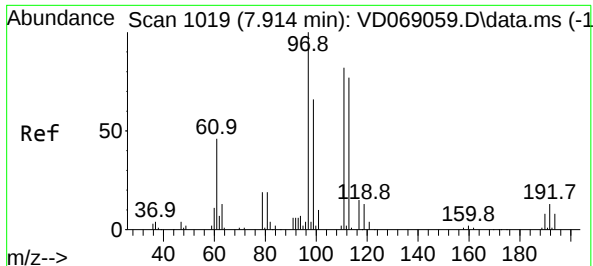
Tgt Ion: 65 Resp: 116332
Ion Ratio Lower Upper
65 100
67 50.5 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069072.D
Acq: 05 May 2021 16:36

Tgt Ion: 114 Resp: 222555
Ion Ratio Lower Upper
114 100
63 21.6 0.0 41.4
88 14.5 0.0 27.8





#35

Dibromofluoromethane

Concen: 61.59 ug/l

RT: 7.920 min Scan# 1020

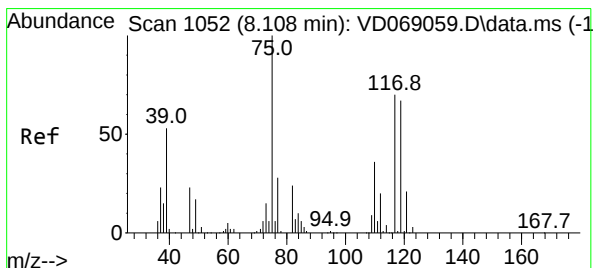
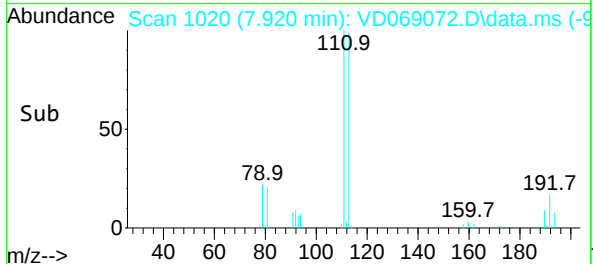
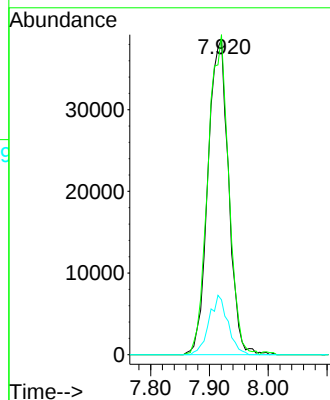
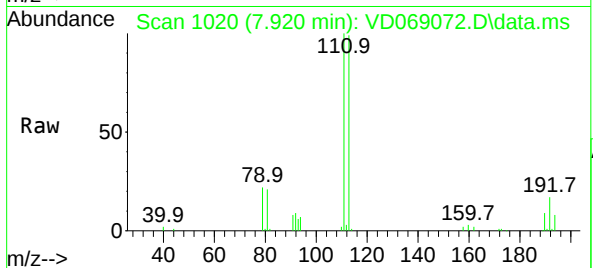
Delta R.T. 0.006 min

Lab File: VD069072.D

Acq: 05 May 2021 16:36

Tgt Ion:	113	Resp:	93998
Ion	Ratio	Lower	Upper
113	100		
111	101.9	84.6	126.8
192	17.2	13.5	20.3

Instrument :
MSVOA_D
ClientSampled :



#36

1,1-Dichloropropene

Concen: 4.45 ug/l

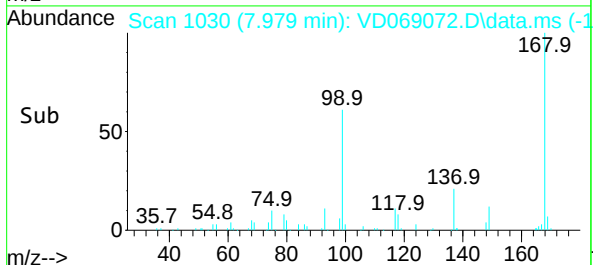
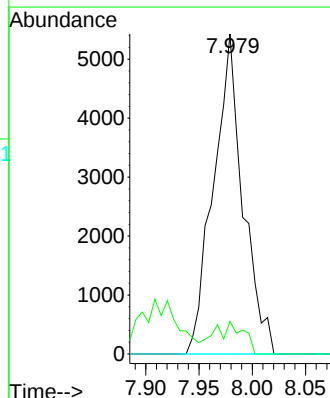
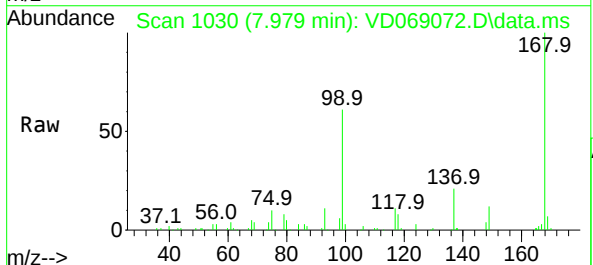
RT: 7.979 min Scan# 1030

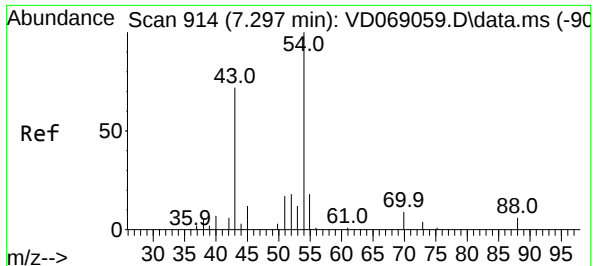
Delta R.T. -0.129 min

Lab File: VD069072.D

Acq: 05 May 2021 16:36

Tgt Ion:	75	Resp:	10419
Ion	Ratio	Lower	Upper
75	100		
110	1.8	17.3	51.7#
77	0.0	23.9	35.9#





#37

Ethyl Acetate

Concen: 7.46 ug/l

RT: 7.214 min Scan# 900

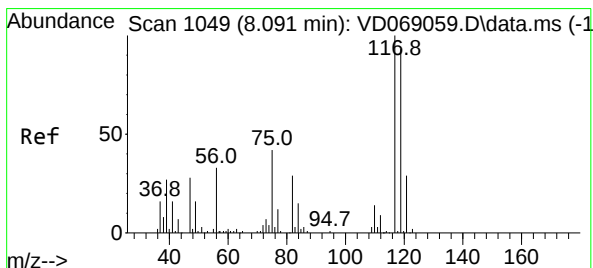
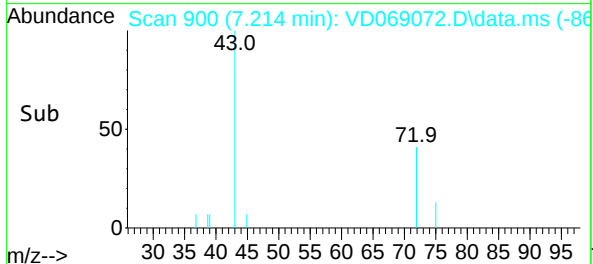
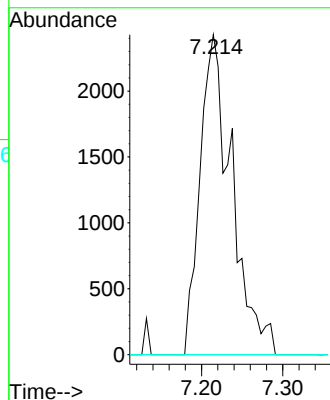
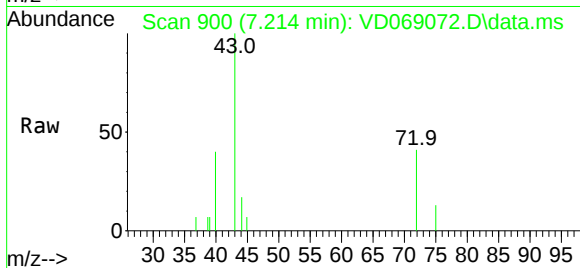
Delta R.T. -0.082 min

Lab File: VD069072.D

Acq: 05 May 2021 16:36

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 43	Resp: 6588
Ion Ratio	Lower Upper
43 100	
61 0.0	11.0 16.4#
70 0.0	8.5 12.7#



#38

Carbon Tetrachloride

Concen: 5.09 ug/l

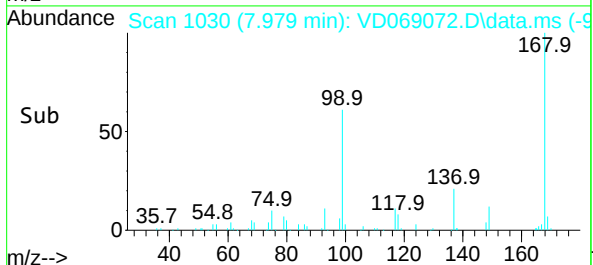
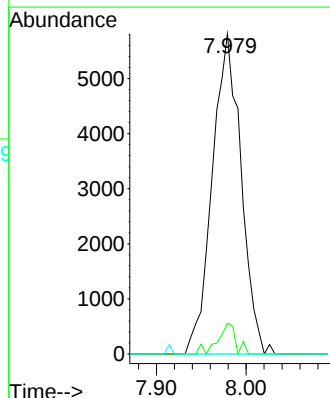
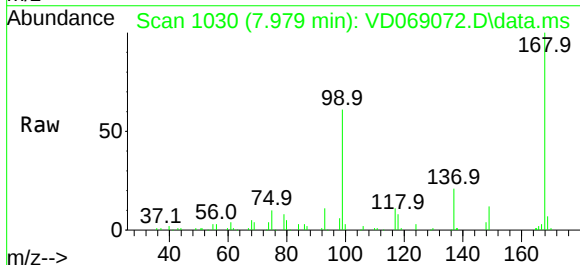
RT: 7.979 min Scan# 1030

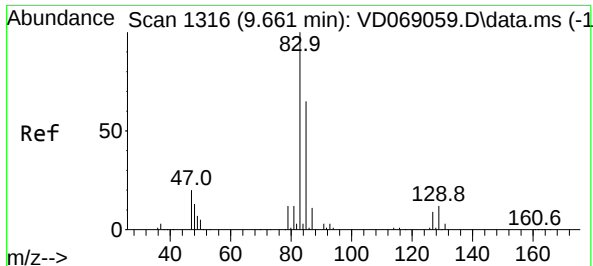
Delta R.T. -0.112 min

Lab File: VD069072.D

Acq: 05 May 2021 16:36

Tgt Ion: 117	Resp: 12935
Ion Ratio	Lower Upper
117 100	
119 9.6	74.7 112.1#
121 0.0	23.1 34.7#

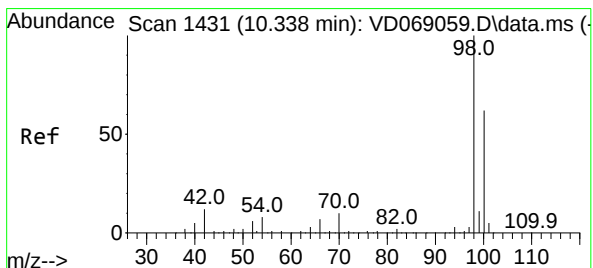
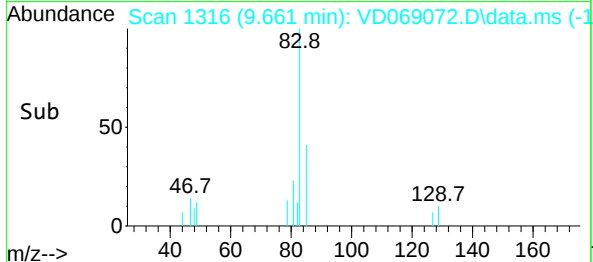
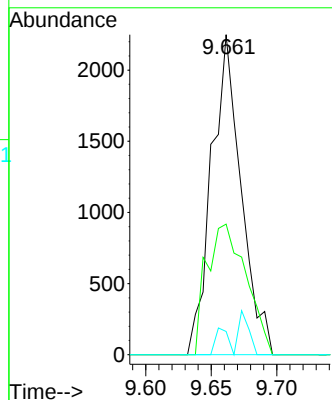
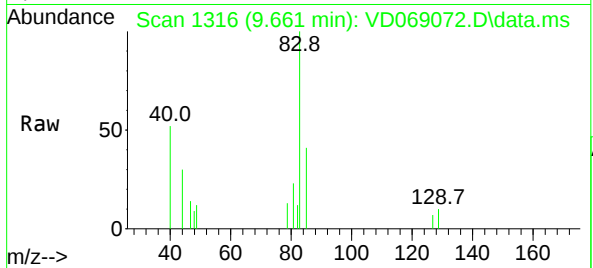




#47
Bromodichloromethane
Concen: 1.47 ug/l
RT: 9.661 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VD069072.D
Acq: 05 May 2021 16:36

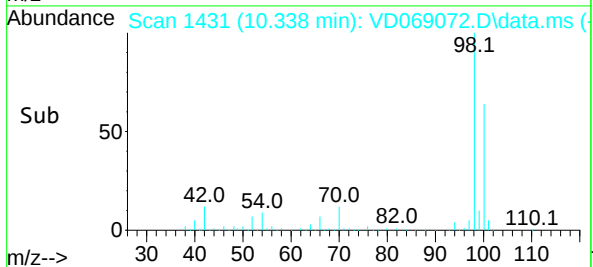
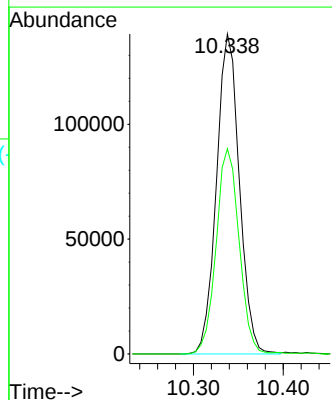
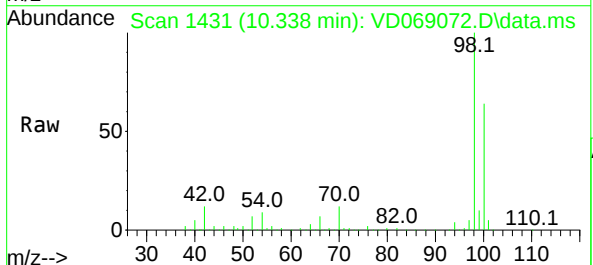
Instrument :
MSVOA_D
ClientSampleId :

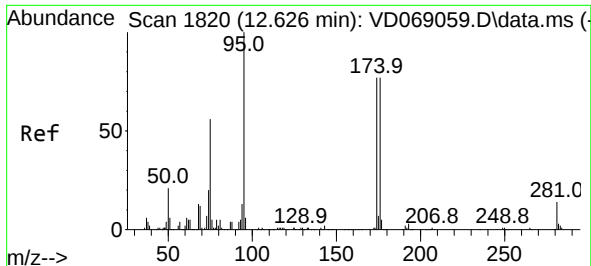
Tgt Ion: 83 Resp: 3533
Ion Ratio Lower Upper
83 100
85 40.8 52.1 78.1#
127 7.3 7.0 10.4



#50
Toluene-d8
Concen: 43.82 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069072.D
Acq: 05 May 2021 16:36

Tgt Ion: 98 Resp: 246879
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4

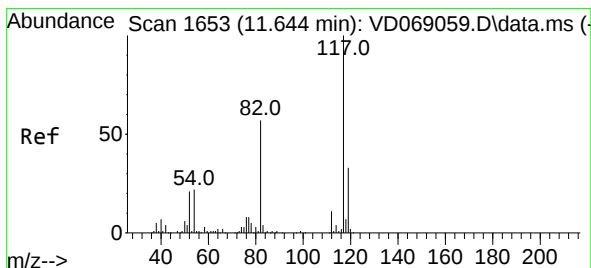
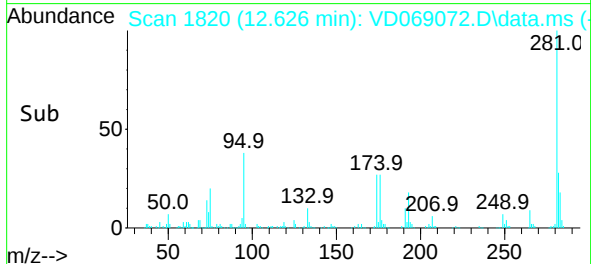
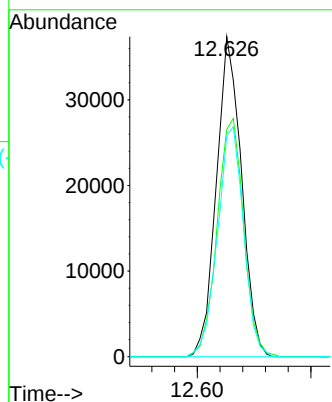
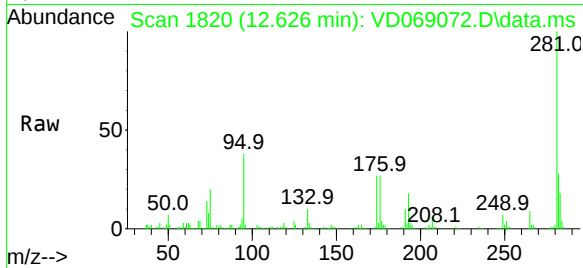




#62
4-Bromofluorobenzene
Concen: 30.92 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069072.D
Acq: 05 May 2021 16:36

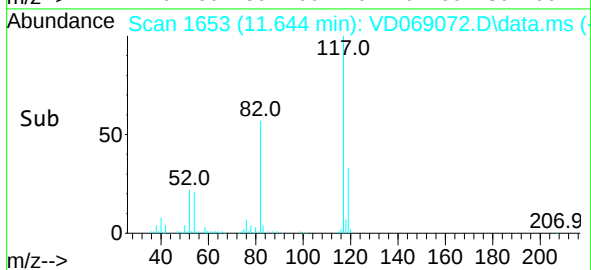
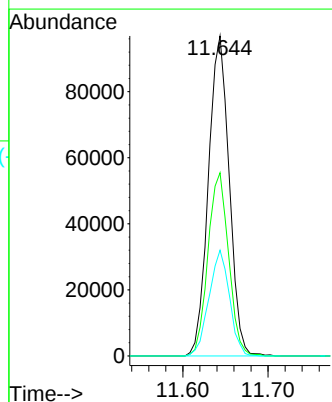
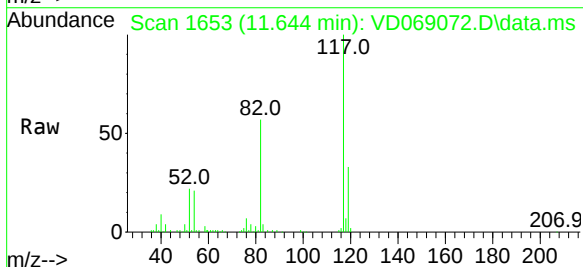
Instrument :
MSVOA_D
ClientSampleId :

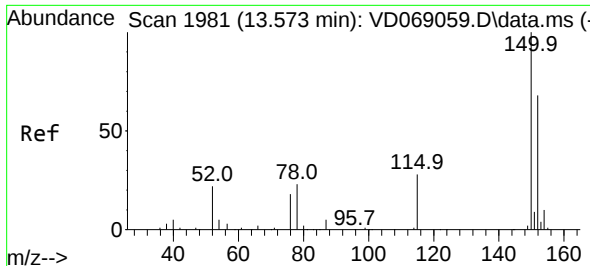
Tgt Ion: 95 Resp: 57313
Ion Ratio Lower Upper
95 100
174 78.7 0.0 156.0
176 74.9 0.0 149.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069072.D
Acq: 05 May 2021 16:36

Tgt Ion: 117 Resp: 164319
Ion Ratio Lower Upper
117 100
82 57.2 45.4 68.2
119 33.1 26.8 40.2

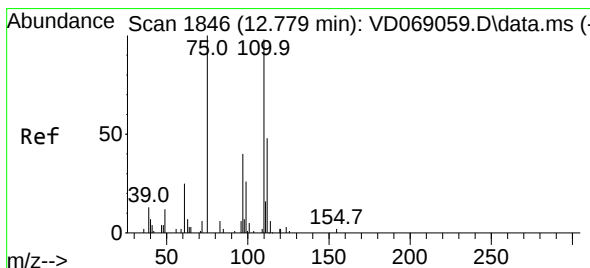
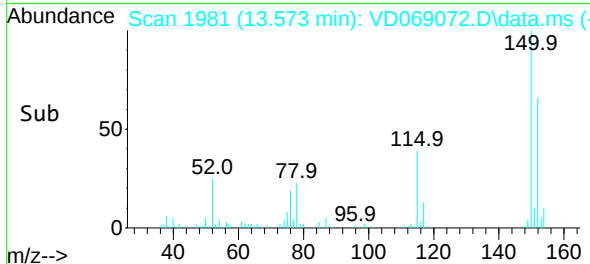
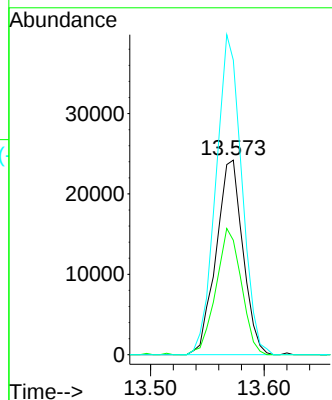
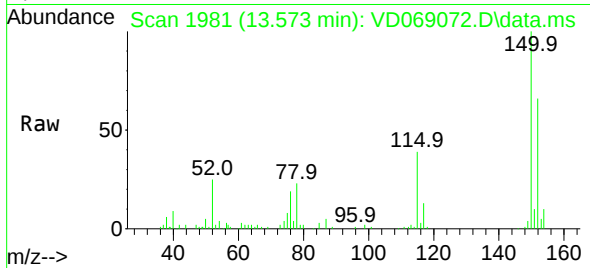




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.573 min Scan# 1981
 Delta R.T. 0.000 min
 Lab File: VD069072.D
 Acq: 05 May 2021 16:36

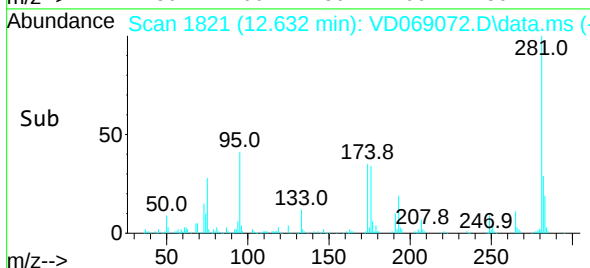
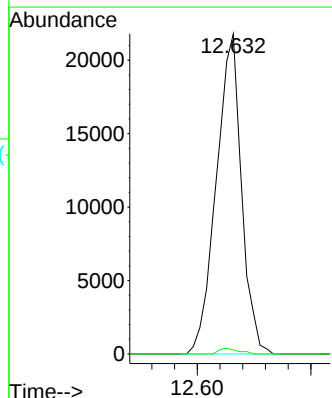
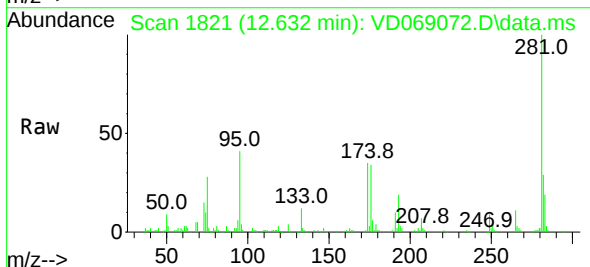
Instrument :
 MSVOA_D
 ClientSampleId :

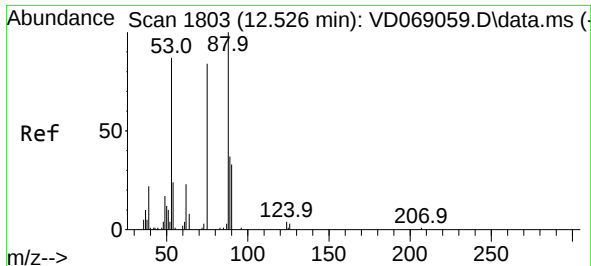
Tgt Ion:152 Resp: 39661
 Ion Ratio Lower Upper
 152 100
 115 61.6 30.5 91.5
 150 158.9 0.0 340.8



#76
 1,2,3-Trichloropropane
 Concen: 97.09 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. -0.147 min
 Lab File: VD069072.D
 Acq: 05 May 2021 16:36

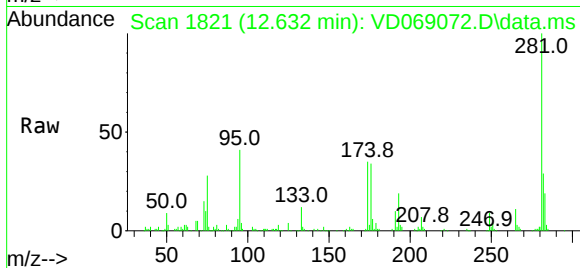
Tgt Ion: 75 Resp: 33520
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



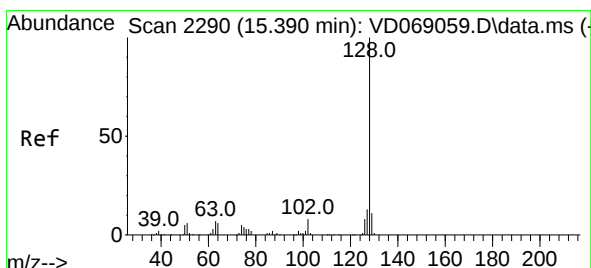
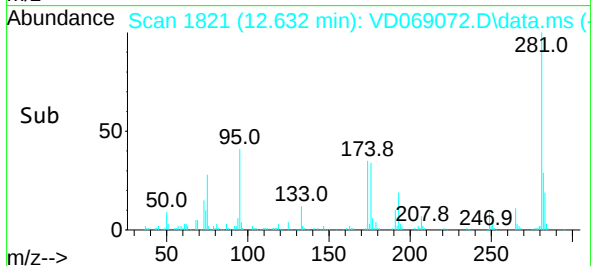
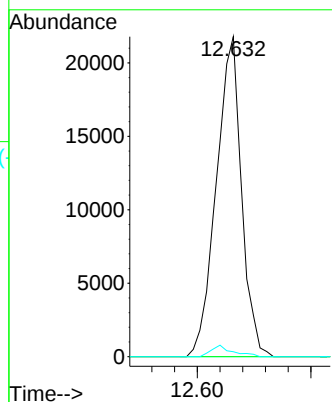


#81
trans-1,4-Dichloro-2-butene
Concen: 211.25 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD069072.D
Acq: 05 May 2021 16:36

Instrument :
MSVOA_D
ClientSampled :



Tgt Ion: 75 Resp: 33520
Ion Ratio Lower Upper
75 100
53 0.0 80.4 120.6#
89 3.0 37.8 56.8#



#95
Naphthalene
Concen: 3.13 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.006 min
Lab File: VD069072.D
Acq: 05 May 2021 16:36

Tgt Ion: 128 Resp: 432
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.5 12.7#

