

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050621\
 Data File : VD069086.D
 Acq On : 06 May 2021 20:24
 Operator : VA/SY
 Sample : M2279-02
 Misc : 5.62G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 07 01:12:44 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)

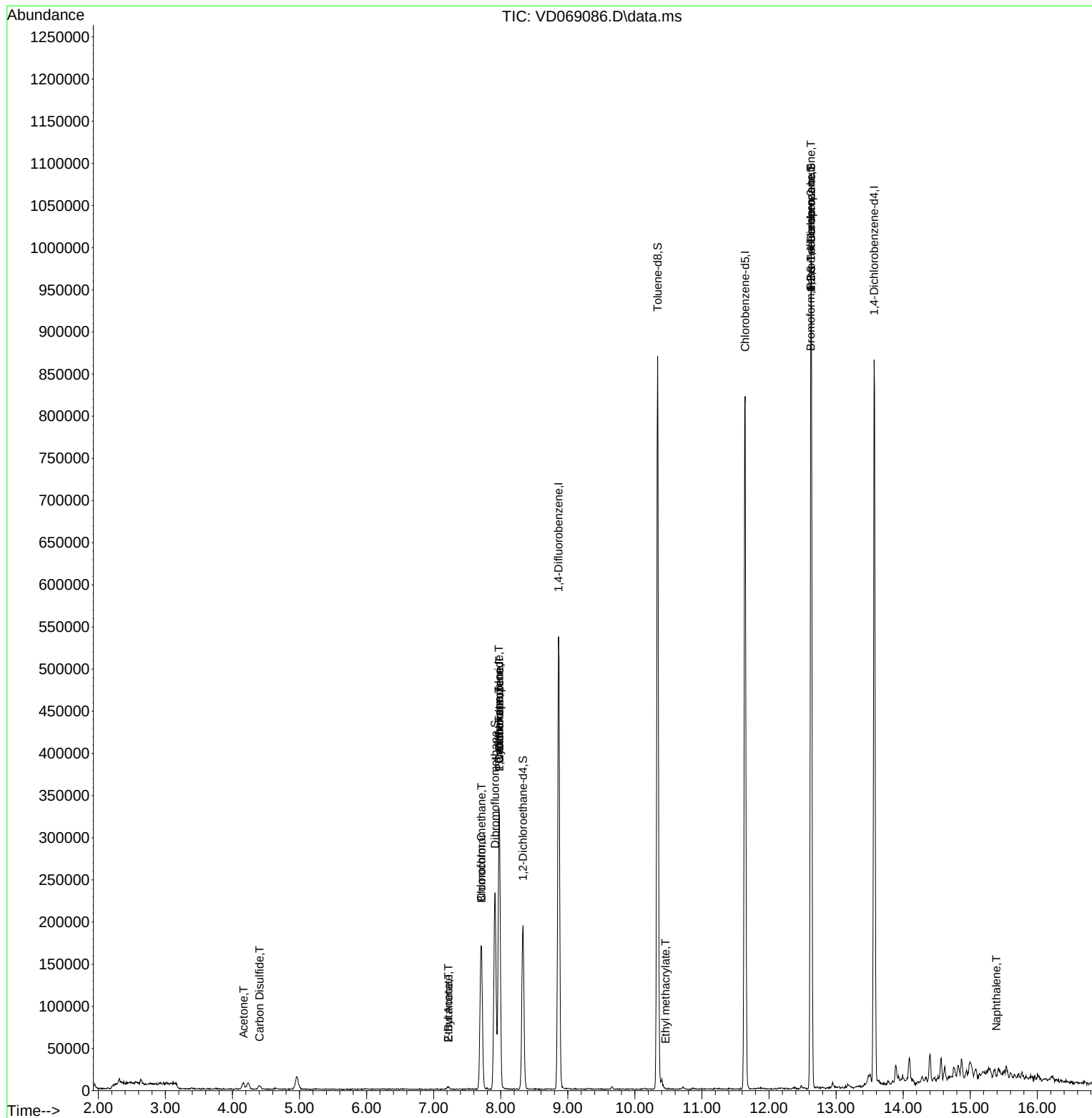
Internal Standards						
1) Pentafluorobenzene	7.979	168	246437	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	465740	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	492834	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	236328	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	157114	49.47	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.94%		
35) Dibromofluoromethane	7.914	113	166597	52.16	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	104.32%		
50) Toluene-d8	10.338	98	587938	49.86	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.72%		
62) 4-Bromofluorobenzene	12.626	95	227965	58.78	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	117.56%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.226	59	315	Below Cal	#	81
16) Acetone	4.168	43	13214	5.40	ug/l	99
17) Carbon Disulfide	4.403	76	9364	1.07	ug/l	# 92
20) Methylene Chloride	4.962	84	11839	Below Cal	#	81
25) 2-Butanone	7.220	43	3972	5.85	ug/l	97
28) Bromochloromethane	7.714	49	13010	6.14	ug/l	# 11
30) Chloroform	7.709	83	173093	29.50	ug/l	96
31) Cyclohexane	7.973	56	5667	1.23	ug/l	# 46
36) 1,1-Dichloropropene	7.979	75	19710	4.02	ug/l	# 50
37) Ethyl Acetate	7.220	43	3972	2.15	ug/l	# 69
38) Carbon Tetrachloride	7.973	117	24938	4.69	ug/l	# 20
56) Ethyl methacrylate	10.455	69	71	2.39	ug/l	# 38
71) Bromoform	12.620	173	3208	1.64	ug/l	# 1
76) 1,2,3-Trichloropropane	12.626	75	118525	57.61	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.626	75	118525	125.36	ug/l	# 10
95) Naphthalene	15.391	128	526	2.89	ug/l	# 80

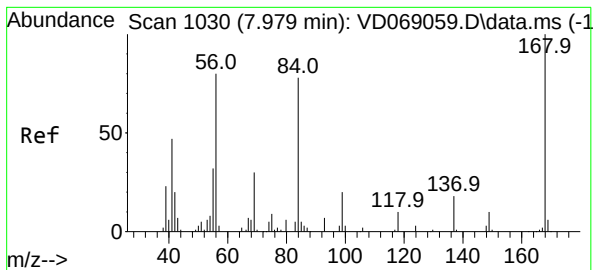
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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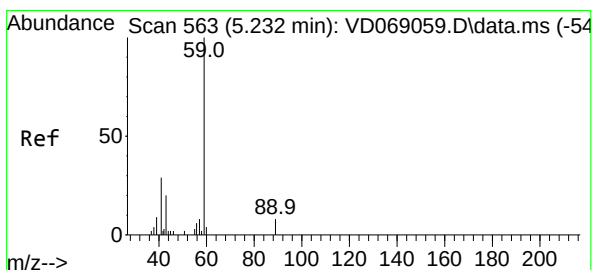
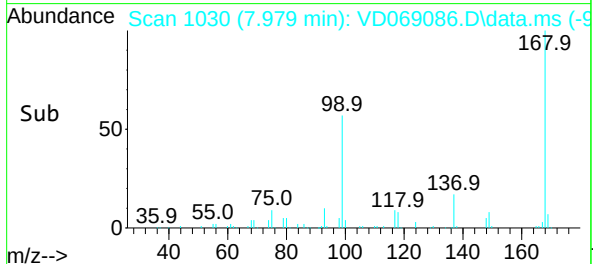
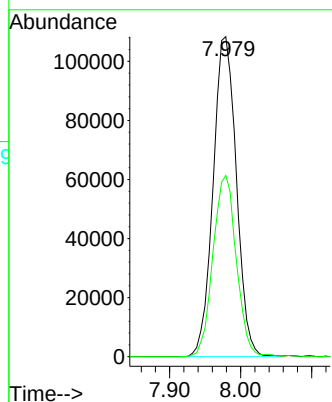
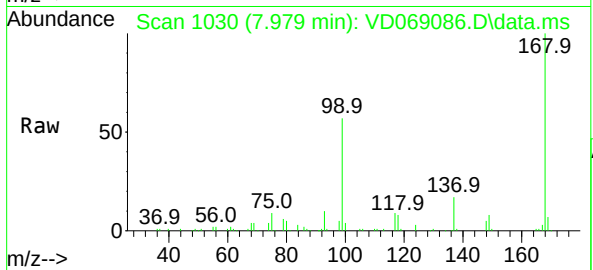




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069086.D
Acq: 06 May 2021 20:24

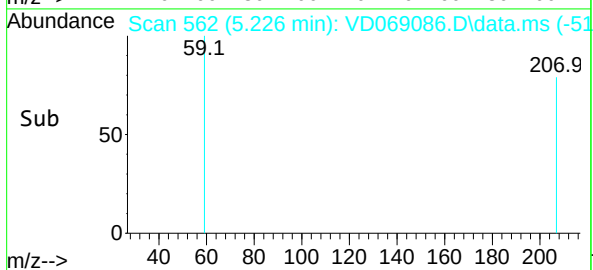
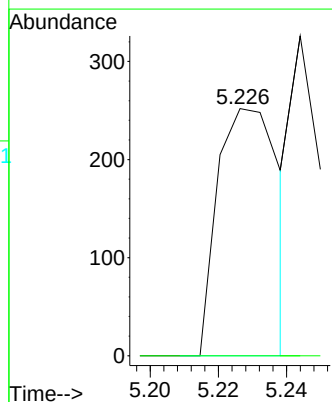
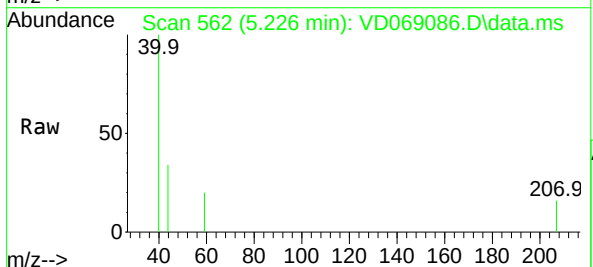
Instrument :
MSVOA_D
ClientSampled :

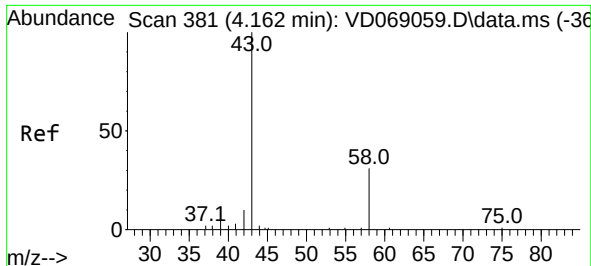
Tgt Ion:168 Resp: 246437
Ion Ratio Lower Upper
168 100
99 56.6 52.6 78.8



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.226 min Scan# 562
Delta R.T. -0.006 min
Lab File: VD069086.D
Acq: 06 May 2021 20:24

Tgt Ion: 59 Resp: 315
Ion Ratio Lower Upper
59 100
57 0.0 5.3 7.9#

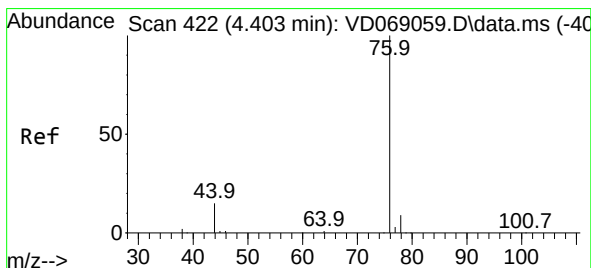
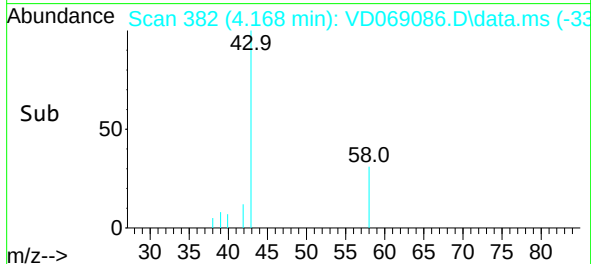
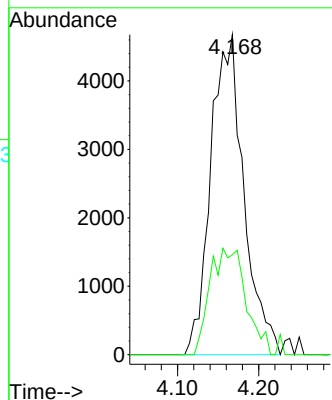
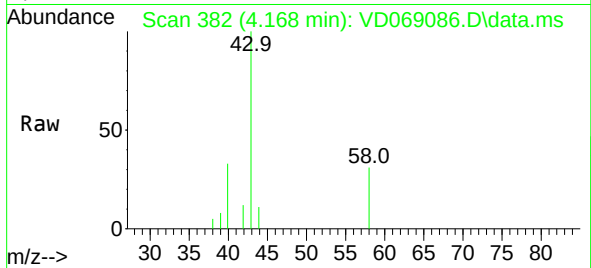




#16
Acetone
Concen: 5.40 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD069086.D
Acq: 06 May 2021 20:24

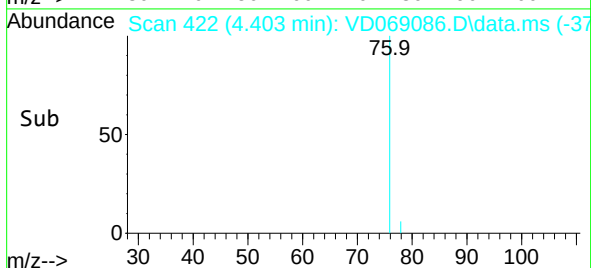
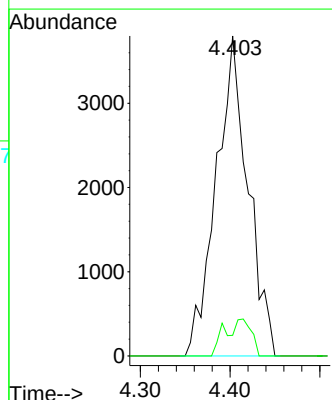
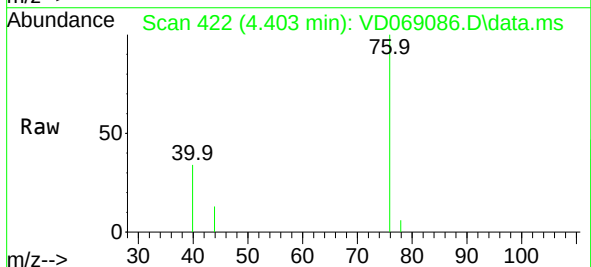
Instrument :
MSVOA_D
ClientSampled :

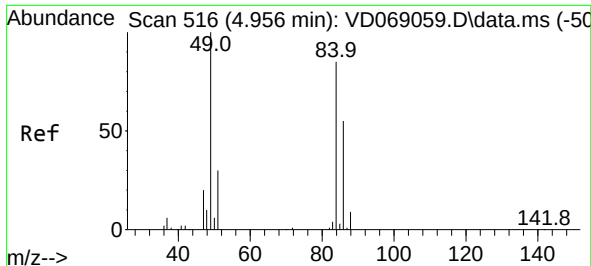
Tgt Ion: 43 Resp: 13214
Ion Ratio Lower Upper
43 100
58 31.2 24.5 36.7



#17
Carbon Disulfide
Concen: 1.07 ug/l
RT: 4.403 min Scan# 422
Delta R.T. 0.000 min
Lab File: VD069086.D
Acq: 06 May 2021 20:24

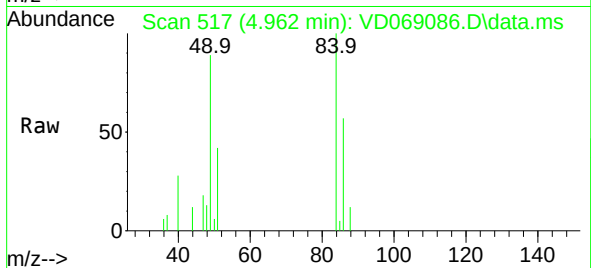
Tgt Ion: 76 Resp: 9364
Ion Ratio Lower Upper
76 100
78 6.4 7.4 11.2#



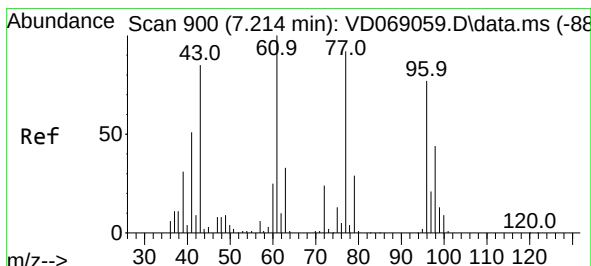
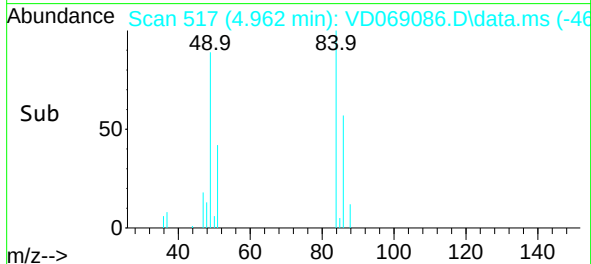
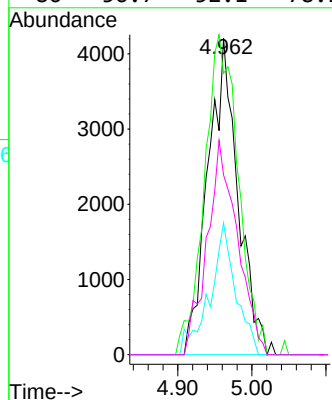


#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. 0.006 min
Lab File: VD069086.D
Acq: 06 May 2021 20:24

Instrument :
MSVOA_D
ClientSampled :

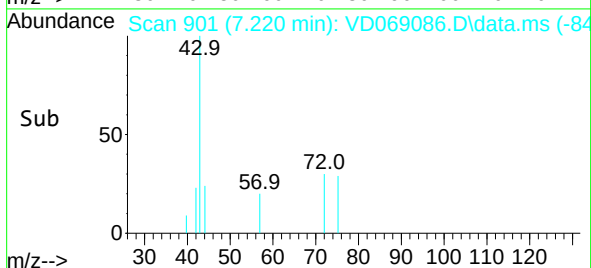
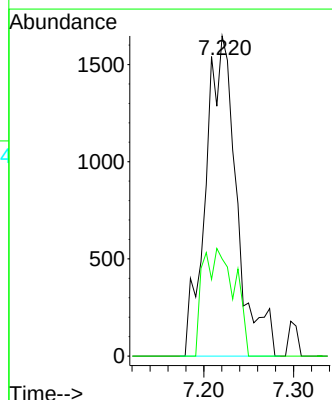
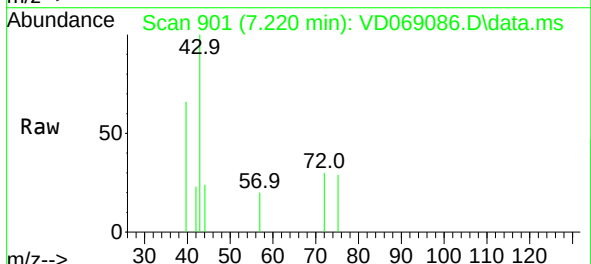


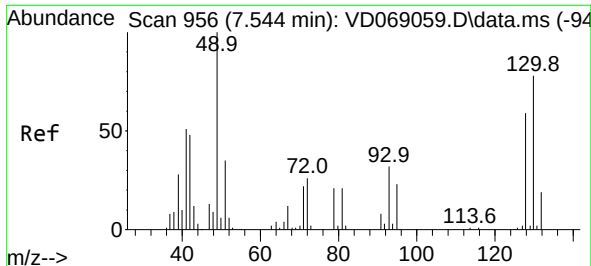
Tgt Ion:	84	Resp:	11839
Ion	Ratio	Lower	Upper
84	100		
49	88.9	93.9	140.9#
51	41.6	27.9	41.9
86	56.7	52.1	78.1



#25
2-Butanone
Concen: 5.85 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VD069086.D
Acq: 06 May 2021 20:24

Tgt Ion:	43	Resp:	3972
Ion	Ratio	Lower	Upper
43	100		
72	30.4	23.0	34.4

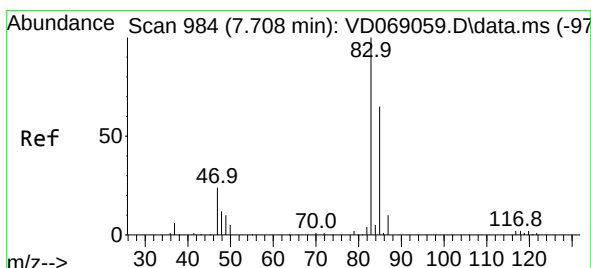
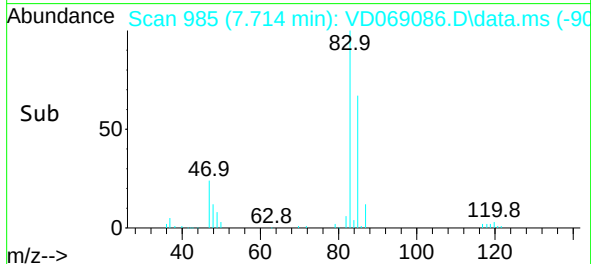
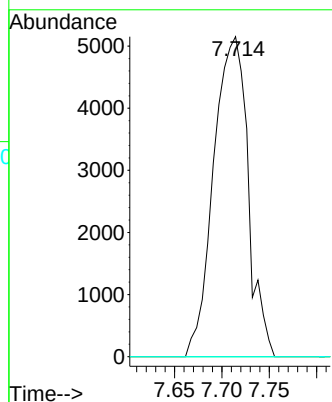
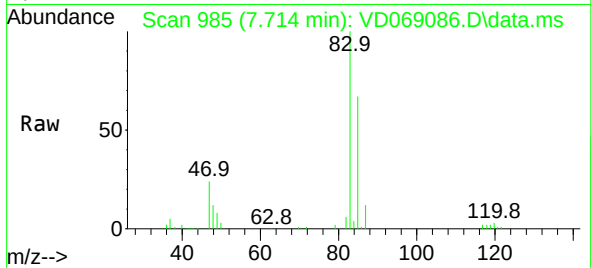




#28
Bromochloromethane
Concen: 6.14 ug/l
RT: 7.714 min Scan# 985
Delta R.T. 0.171 min
Lab File: VD069086.D
Acq: 06 May 2021 20:24

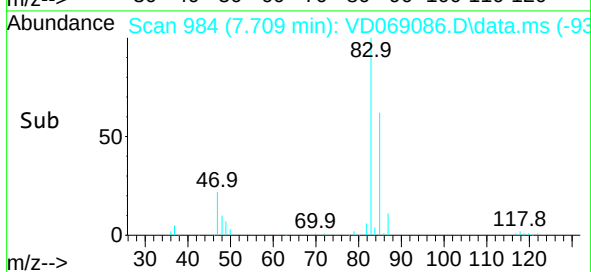
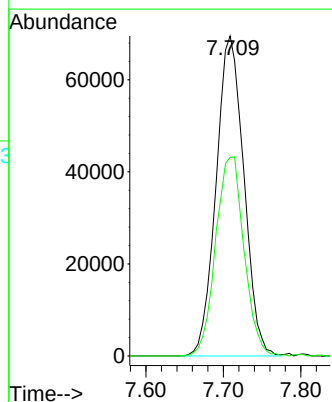
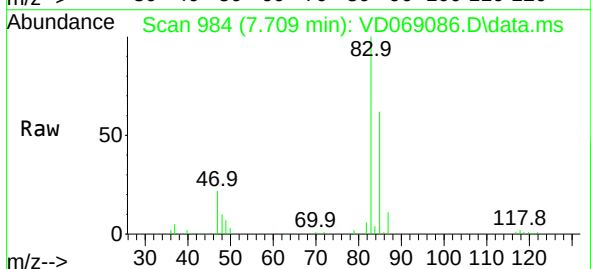
Instrument :
MSVOA_D
ClientSampled :

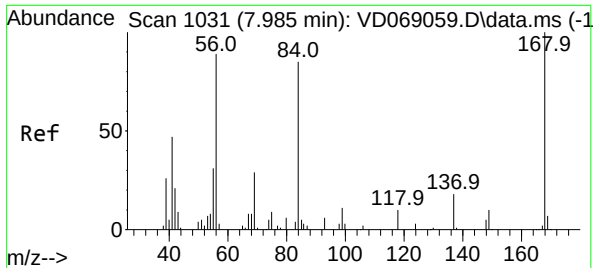
Tgt Ion: 49 Resp: 13010
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.2
130 0.0 64.9 97.3#



#30
Chloroform
Concen: 29.50 ug/l
RT: 7.709 min Scan# 984
Delta R.T. 0.000 min
Lab File: VD069086.D
Acq: 06 May 2021 20:24

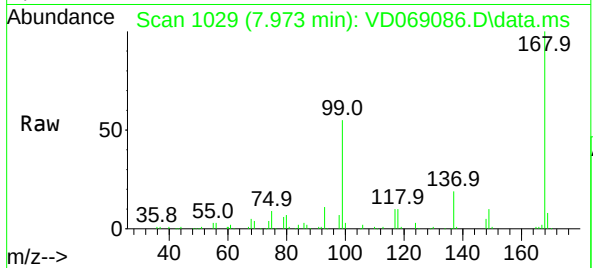
Tgt Ion: 83 Resp: 173093
Ion Ratio Lower Upper
83 100
85 62.0 52.4 78.6



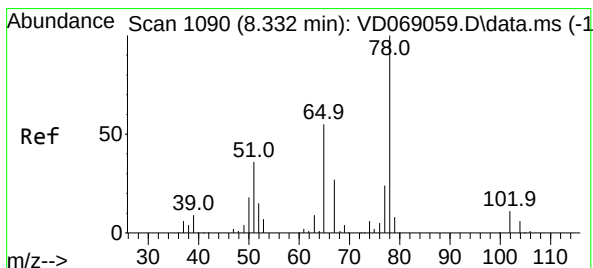
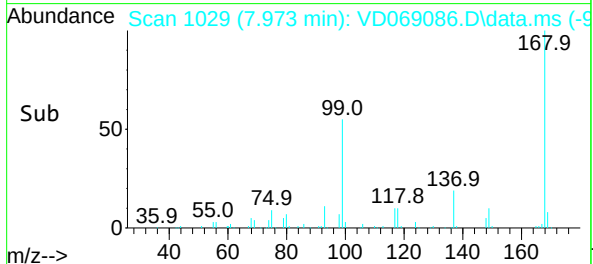
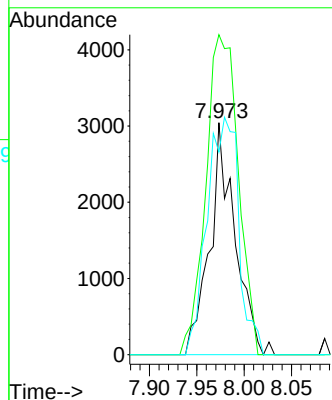


#31
Cyclohexane
Concen: 1.23 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069086.D
Acq: 06 May 2021 20:24

Instrument :
MSVOA_D
ClientSampleId :

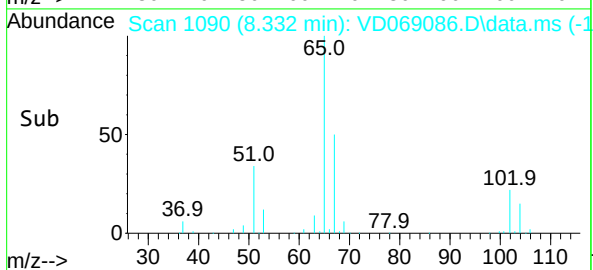
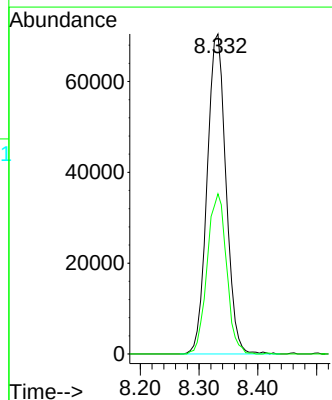
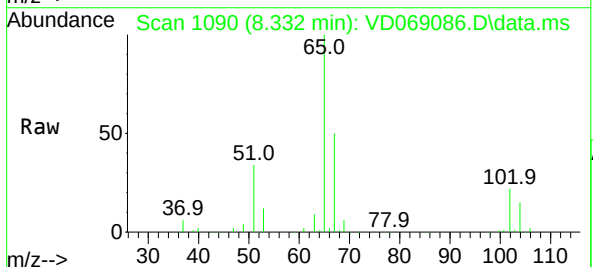


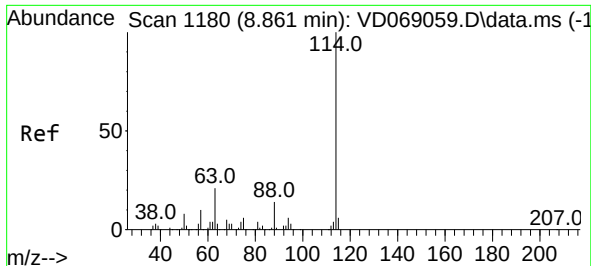
Tgt Ion: 56 Resp: 5667
Ion Ratio Lower Upper
56 100
69 137.9 26.3 39.5#
84 87.3 75.9 113.9



#33
1,2-Dichloroethane-d4
Concen: 49.47 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069086.D
Acq: 06 May 2021 20:24

Tgt Ion: 65 Resp: 157114
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.861 min Scan# 1180

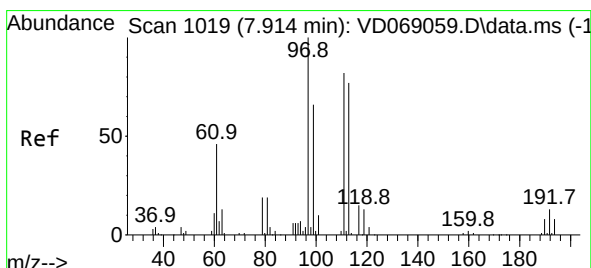
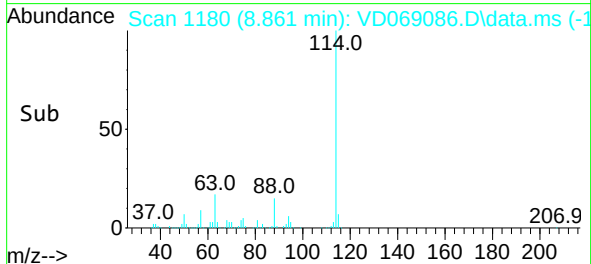
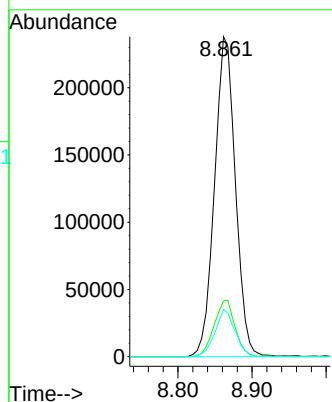
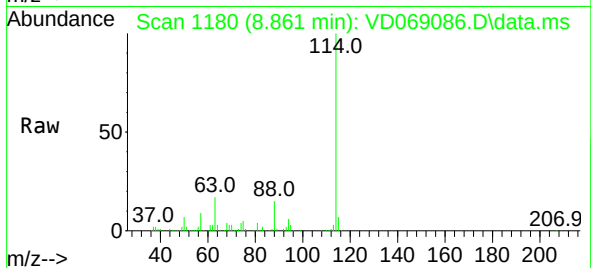
Delta R.T. 0.000 min

Lab File: VD069086.D

Acq: 06 May 2021 20:24

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:	114	Resp:	465740
Ion Ratio	Lower	Upper	
114	100		
63	17.4	0.0	41.4
88	14.7	0.0	27.8



#35

Dibromofluoromethane

Concen: 52.16 ug/l

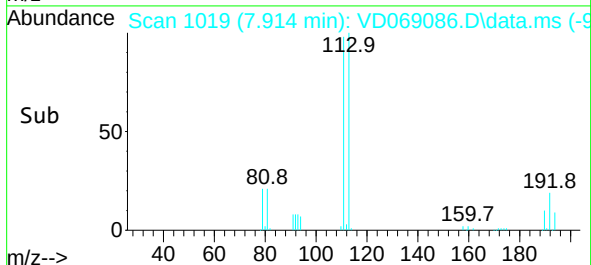
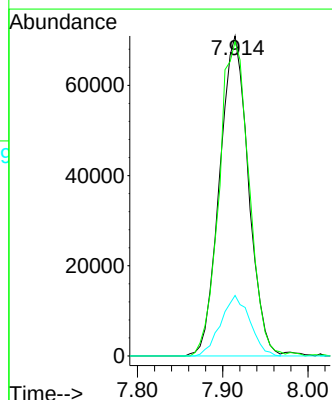
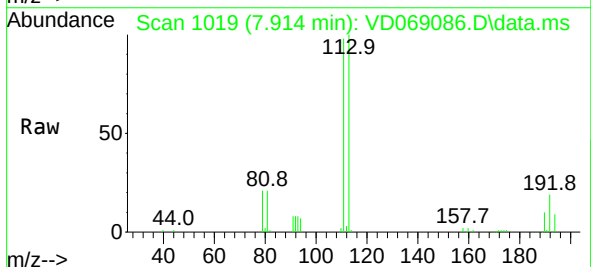
RT: 7.914 min Scan# 1019

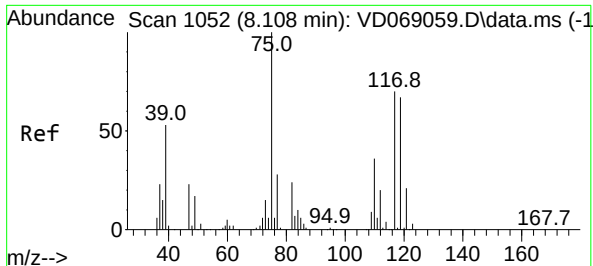
Delta R.T. 0.000 min

Lab File: VD069086.D

Acq: 06 May 2021 20:24

Tgt Ion:	113	Resp:	166597
Ion Ratio	Lower	Upper	
113	100		
111	102.1	84.6	126.8
192	19.1	13.5	20.3

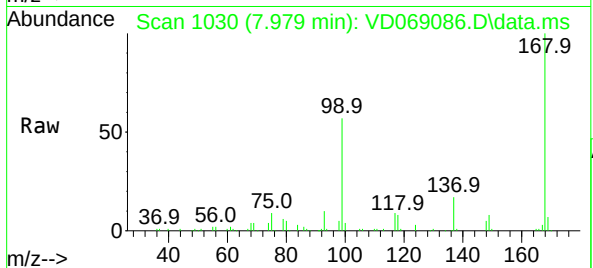




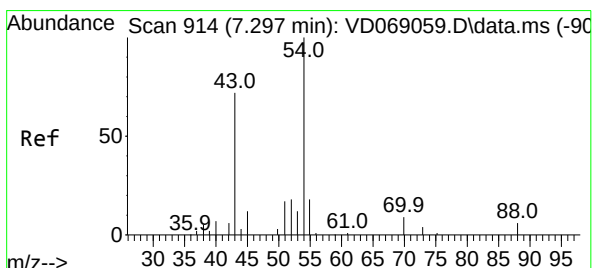
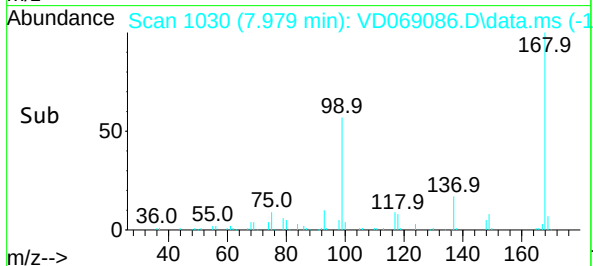
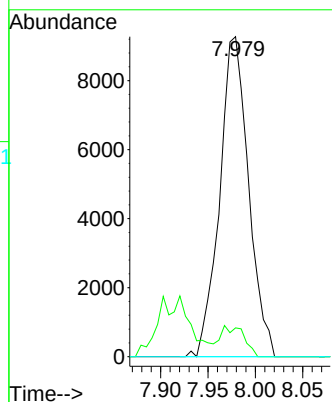
#36

1,1-Dichloropropene
Concen: 4.02 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069086.D
Acq: 06 May 2021 20:24

Instrument :
MSVOA_D
ClientSampled :



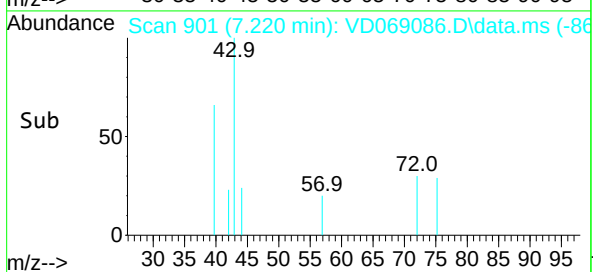
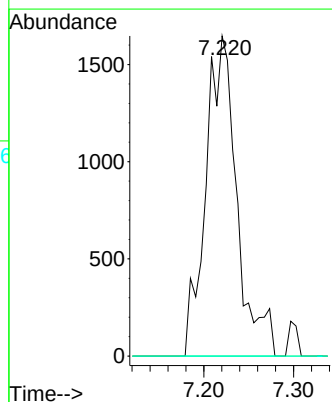
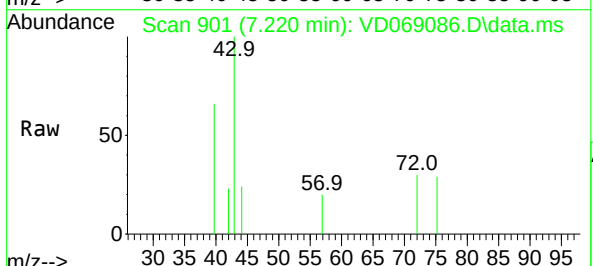
Tgt Ion: 75 Resp: 19710
Ion Ratio Lower Upper
75 100
110 7.8 17.3 51.7#
77 0.0 23.9 35.9#

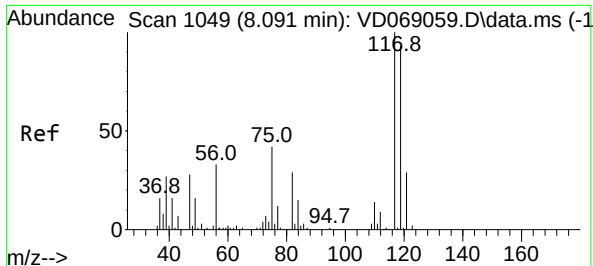


#37

Ethyl Acetate
Concen: 2.15 ug/l
RT: 7.220 min Scan# 901
Delta R.T. -0.076 min
Lab File: VD069086.D
Acq: 06 May 2021 20:24

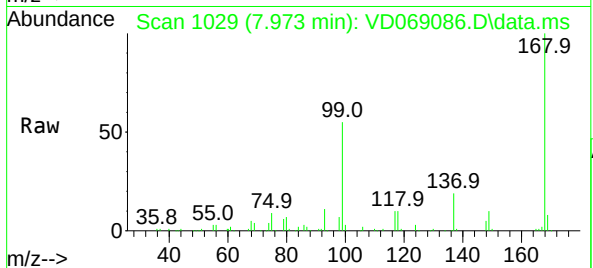
Tgt Ion: 43 Resp: 3972
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.4#
70 0.0 8.5 12.7#



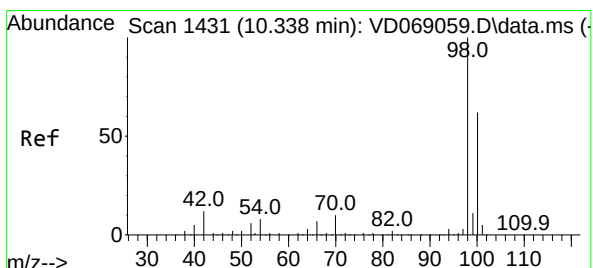
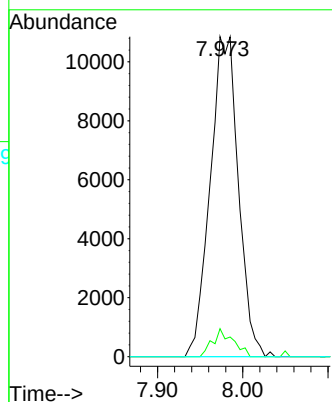
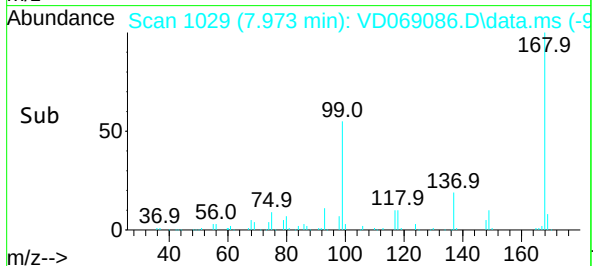


#38
Carbon Tetrachloride
Concen: 4.69 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD069086.D
Acq: 06 May 2021 20:24

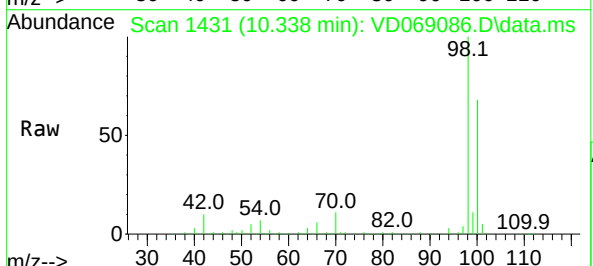
Instrument :
MSVOA_D
ClientSampled :



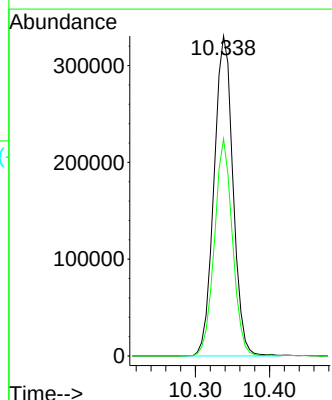
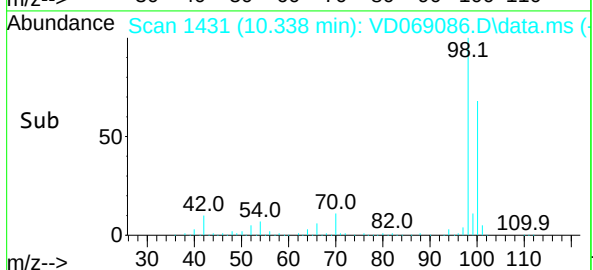
Tgt Ion:117 Resp: 24938
Ion Ratio Lower Upper
117 100
119 8.8 74.7 112.1#
121 0.0 23.1 34.7#

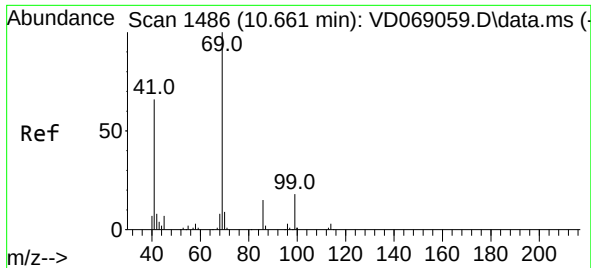


#50
Toluene-d8
Concen: 49.86 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069086.D
Acq: 06 May 2021 20:24



Tgt Ion: 98 Resp: 587938
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4

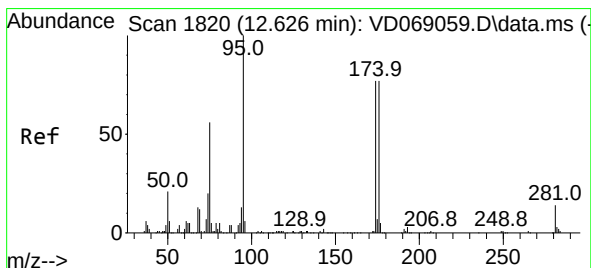
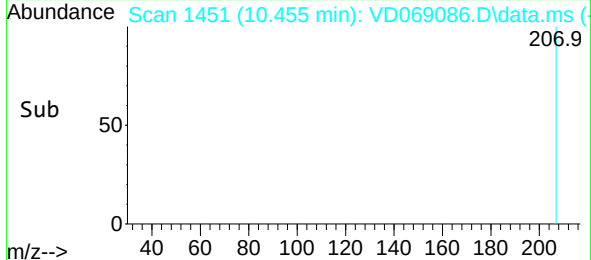
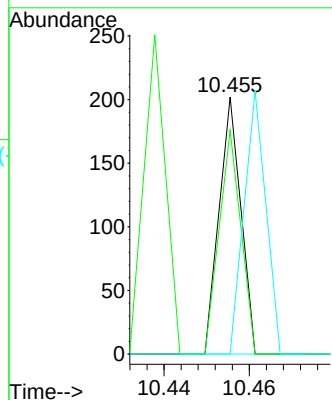
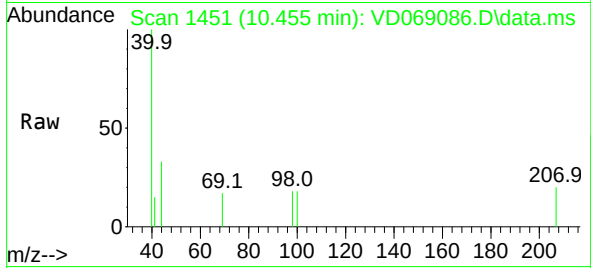




#56
Ethyl methacrylate
Concen: 2.39 ug/l
RT: 10.455 min Scan# 1451
Delta R.T. -0.206 min
Lab File: VD069086.D
Acq: 06 May 2021 20:24

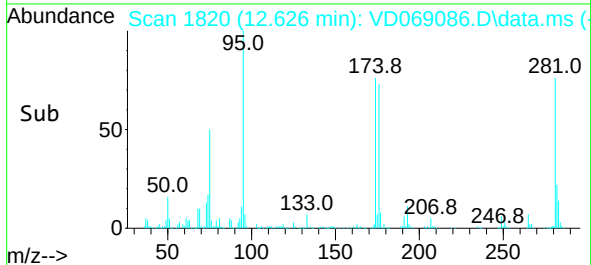
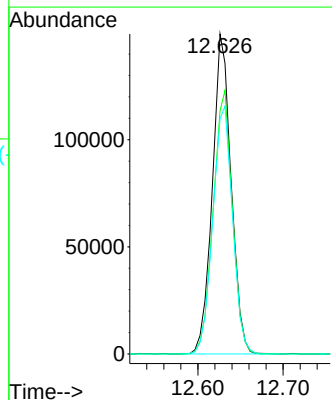
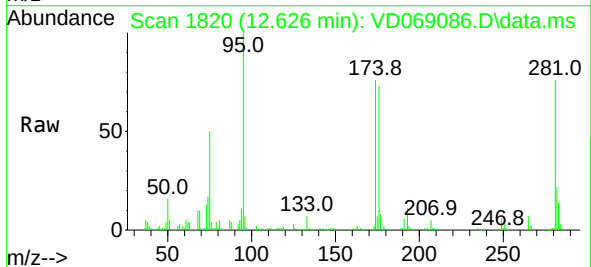
Instrument :
MSVOA_D
ClientSampled :

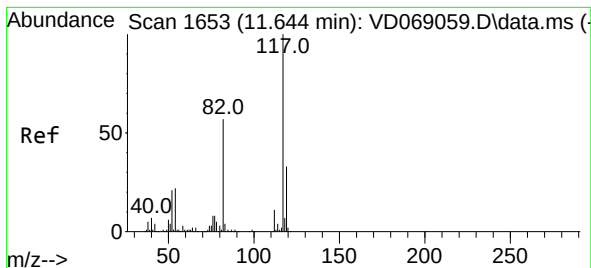
Tgt Ion:	69	Resp:	71
Ion	Ratio	Lower	Upper
69	100		
41	87.3	49.2	73.8#
39	102.8	29.8	44.6#



#62
4-Bromofluorobenzene
Concen: 58.78 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069086.D
Acq: 06 May 2021 20:24

Tgt Ion:	95	Resp:	227965
Ion	Ratio	Lower	Upper
95	100		
174	84.8	0.0	156.0
176	81.4	0.0	149.4

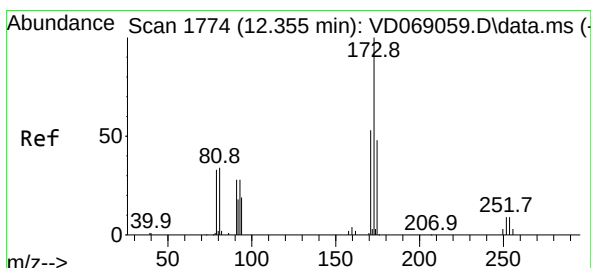
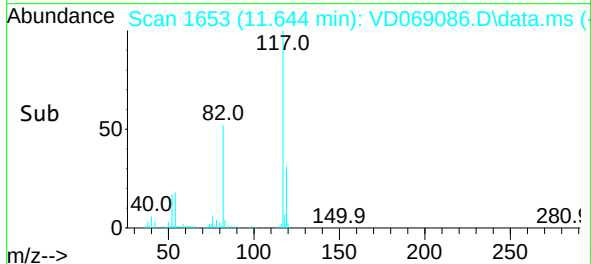
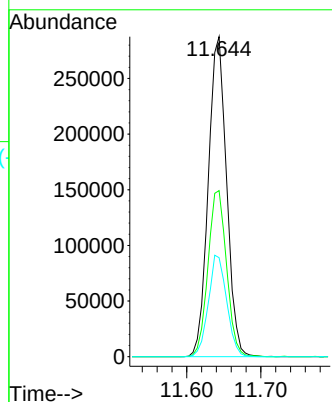
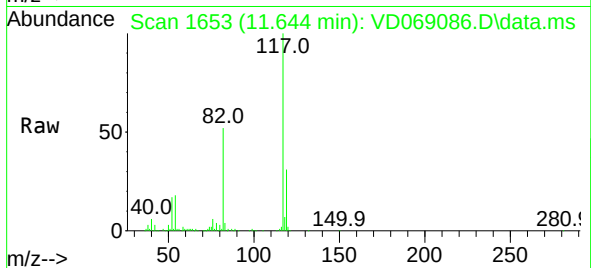




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069086.D
Acq: 06 May 2021 20:24

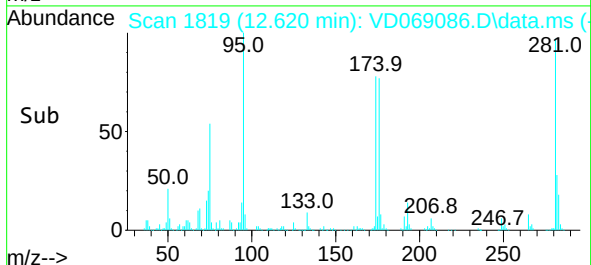
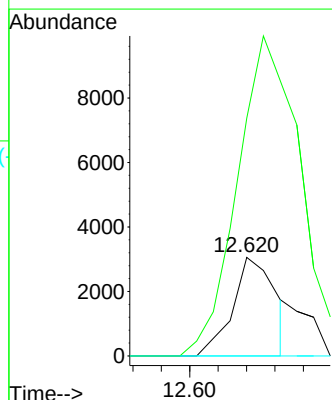
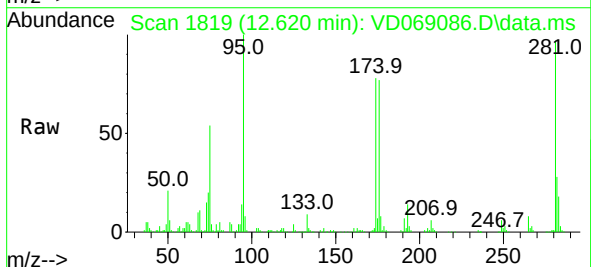
Instrument :
MSVOA_D
ClientSampled :

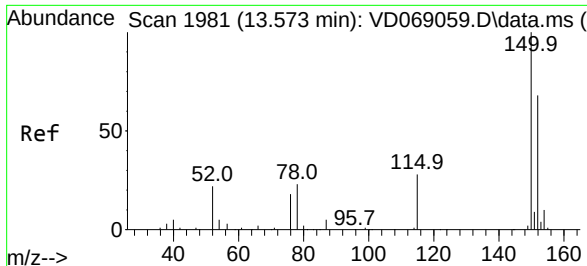
Tgt Ion:117 Resp: 492834
Ion Ratio Lower Upper
117 100
82 51.9 45.4 68.2
119 31.0 26.8 40.2



#71
Bromoform
Concen: 1.64 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD069086.D
Acq: 06 May 2021 20:24

Tgt Ion:173 Resp: 3208
Ion Ratio Lower Upper
173 100
175 347.9 23.8 71.4#
254 0.0 0.0 0.0

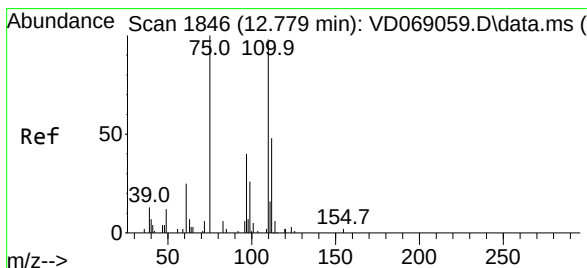
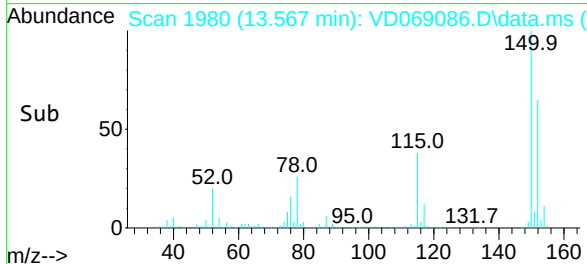
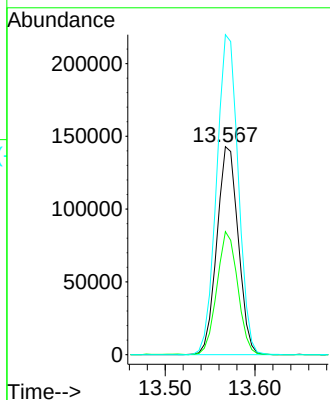
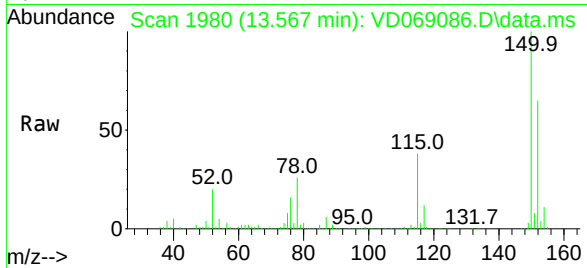




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.006 min
 Lab File: VD069086.D
 Acq: 06 May 2021 20:24

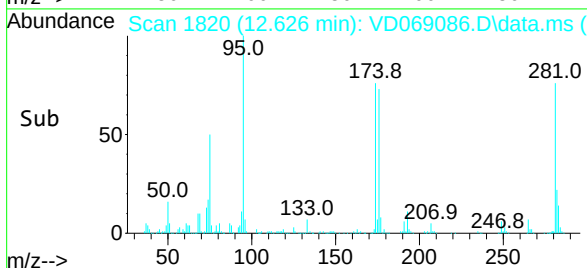
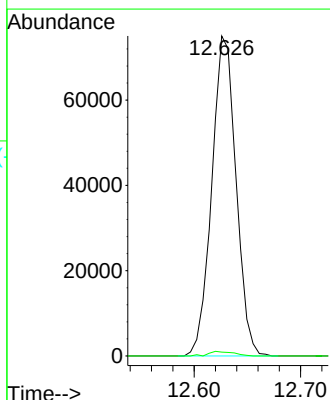
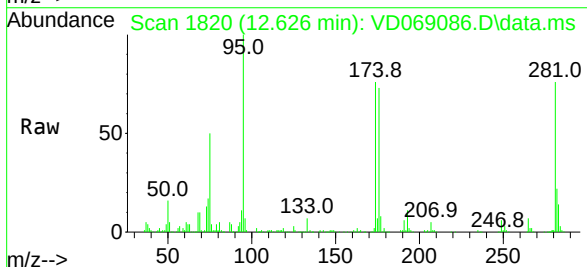
Instrument :
 MSVOA_D
 ClientSampled :

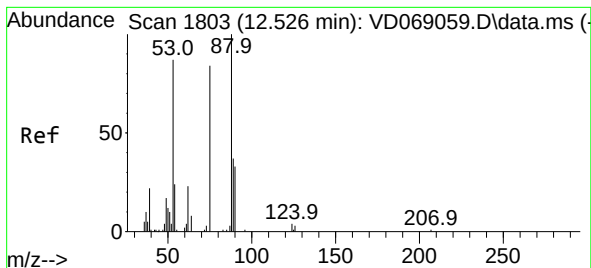
Tgt Ion:152 Resp: 236328
 Ion Ratio Lower Upper
 152 100
 115 57.8 30.5 91.5
 150 155.8 0.0 340.8



#76
 1,2,3-Trichloropropane
 Concen: 57.61 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.153 min
 Lab File: VD069086.D
 Acq: 06 May 2021 20:24

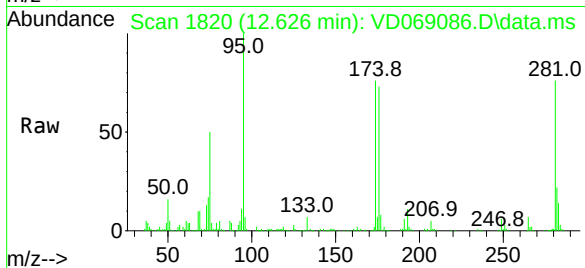
Tgt Ion: 75 Resp: 118525
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



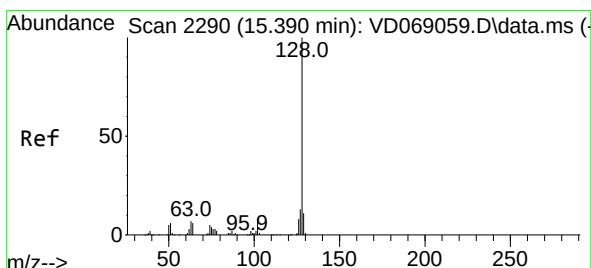
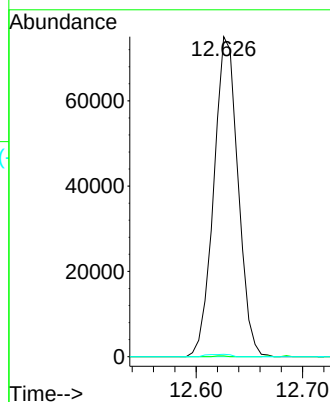
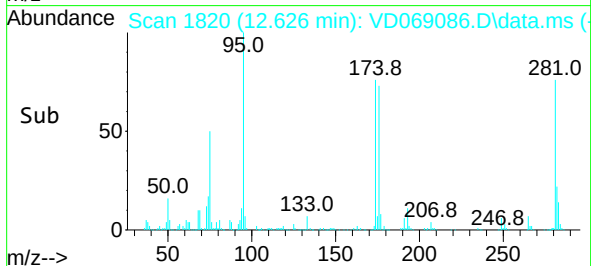


#81
trans-1,4-Dichloro-2-butene
Concen: 125.36 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069086.D
Acq: 06 May 2021 20:24

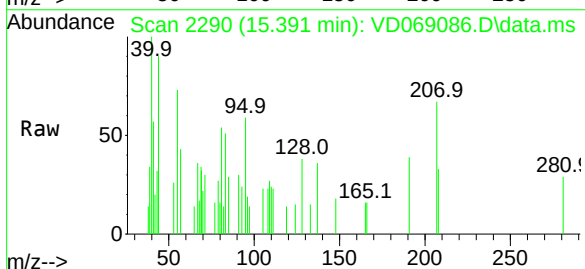
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 118525
Ion Ratio Lower Upper
75 100
53 0.1 80.4 120.6#
89 0.7 37.8 56.8#



#95
Naphthalene
Concen: 2.89 ug/l
RT: 15.391 min Scan# 2290
Delta R.T. 0.001 min
Lab File: VD069086.D
Acq: 06 May 2021 20:24



Tgt Ion: 128 Resp: 526
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 11.8 8.5 12.7

