

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060221\
 Data File : VD069301.D
 Acq On : 02 Jun 2021 15:04
 Operator : VA/SY
 Sample : M2580-02
 Misc : 12.69G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 03 01:08:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 02 02:17:36 2021
 Response via : Initial Calibration

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

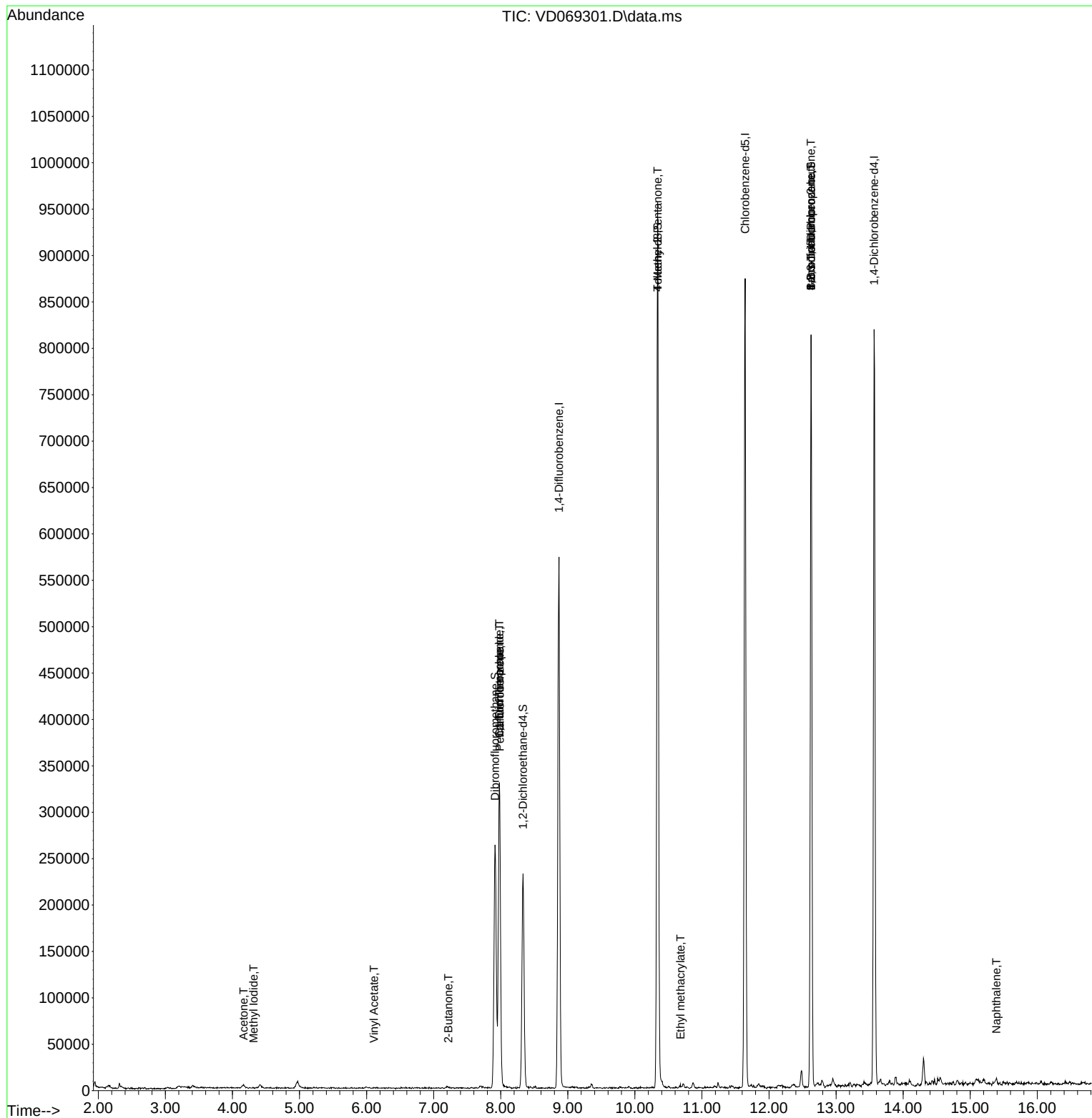
Internal Standards						
1) Pentafluorobenzene	7.985	168	244983	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	512581	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	521272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	226920	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	182866	77.79	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 155.58%			
35) Dibromofluoromethane	7.914	113	191024	59.34	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 118.68%			
50) Toluene-d8	10.338	98	656474	56.08	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 112.16%			
62) 4-Bromofluorobenzene	12.626	95	216289	56.39	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 112.78%			
Target Compounds					Qvalue	
10) Methyl Iodide	4.315	142	170	2.57	ug/l #	39
11) Tert butyl alcohol	5.232	59	422	Below Cal	#	73
16) Acetone	4.168	43	5607	13.67	ug/l #	76
20) Methylene Chloride	4.973	84	5346	Below Cal	#	85
23) Vinyl Acetate	6.109	43	82	11.63	ug/l #	67
25) 2-Butanone	7.220	43	633	1.17	ug/l #	45
36) 1,1-Dichloropropene	7.979	75	19101	3.83	ug/l #	48
38) Carbon Tetrachloride	7.979	117	24486	4.55	ug/l #	15
51) 4-Methyl-2-Pentanone	10.338	43	2333	1.47	ug/l #	1
56) Ethyl methacrylate	10.679	69	100	2.67	ug/l #	1
71) Bromoform	12.626	173	2214	1.07	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	105739	53.63	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	105739	118.85	ug/l #	18
95) Naphthalene	15.391	128	5308	3.94	ug/l #	87

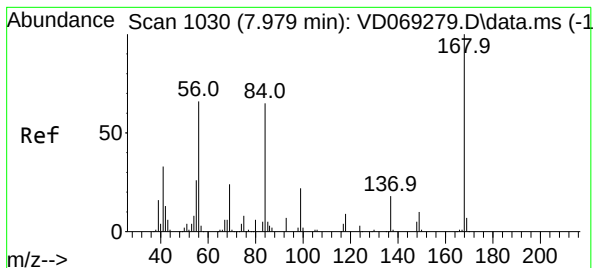
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_D
ClientSampled :

Quant Time: Jun 03 01:08:53 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
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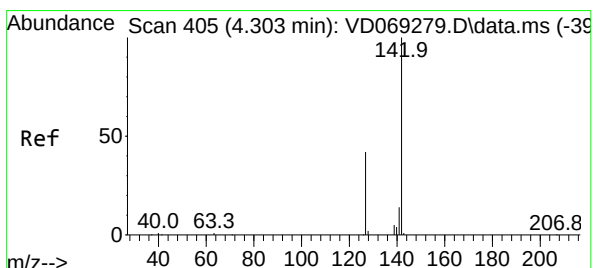
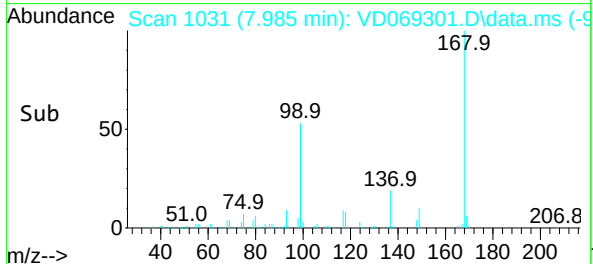
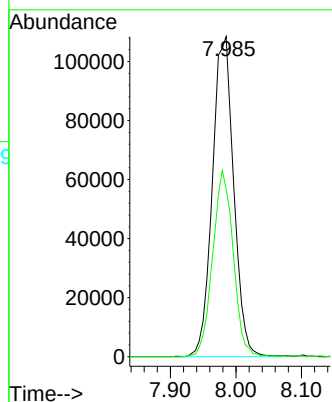
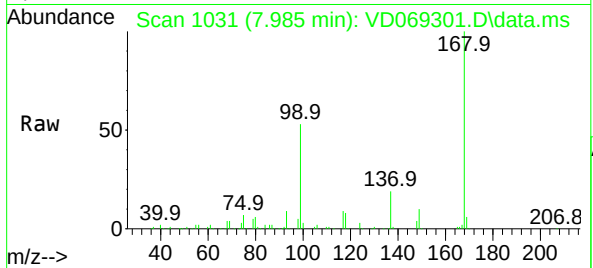




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD069301.D
Acq: 02 Jun 2021 15:04

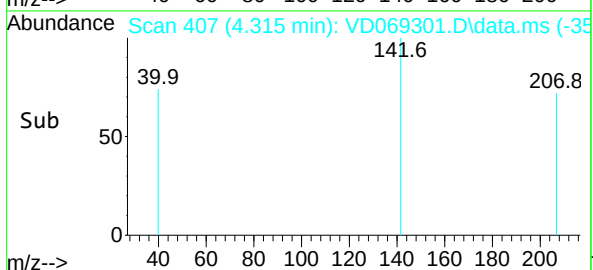
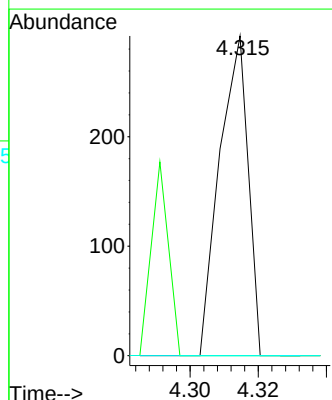
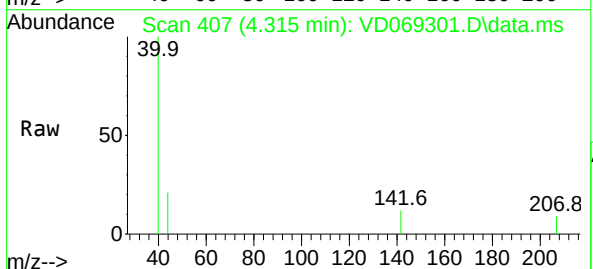
Instrument :
MSVOA_D
ClientSampled :

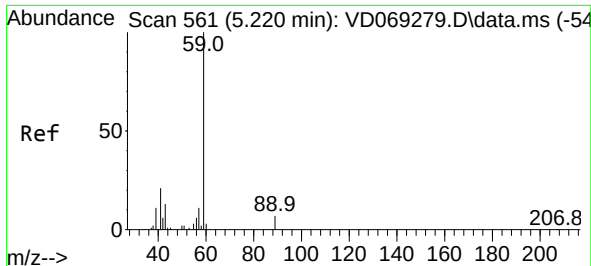
Tgt Ion:168 Resp: 244983
Ion Ratio Lower Upper
168 100
99 52.5 46.2 69.2



#10
Methyl Iodide
Concen: 2.57 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.012 min
Lab File: VD069301.D
Acq: 02 Jun 2021 15:04

Tgt Ion:142 Resp: 170
Ion Ratio Lower Upper
142 100
127 0.0 36.2 54.2#
141 0.0 12.2 18.2#

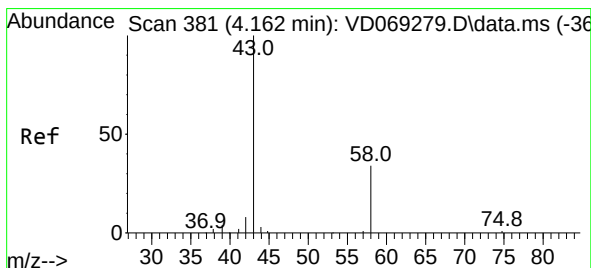
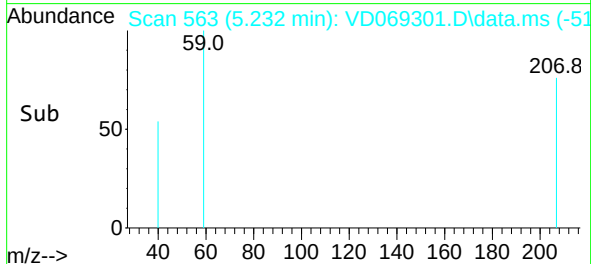
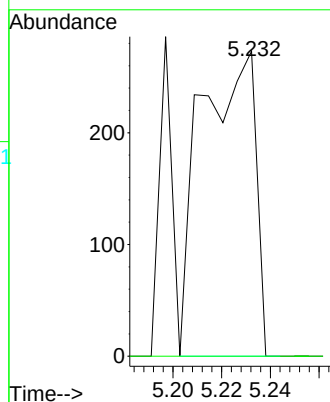
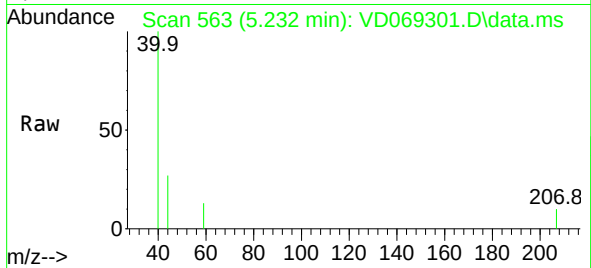




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.232 min Scan# 563
Delta R.T. 0.012 min
Lab File: VD069301.D
Acq: 02 Jun 2021 15:04

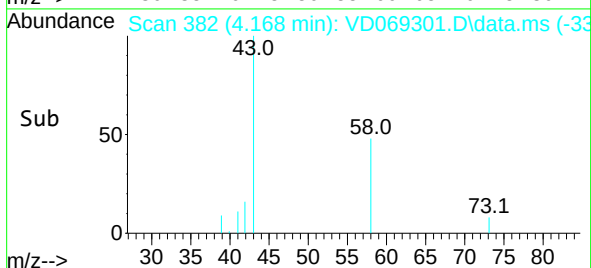
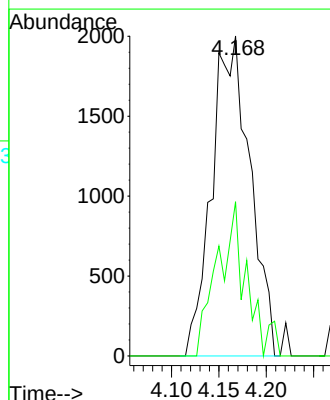
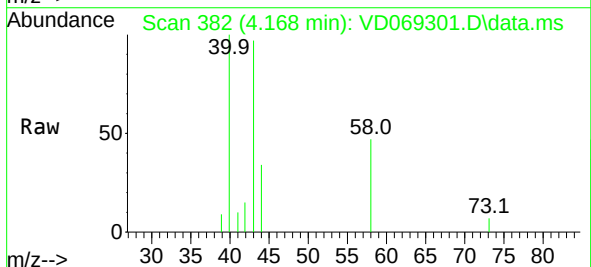
Instrument :
MSVOA_D
ClientSampled :

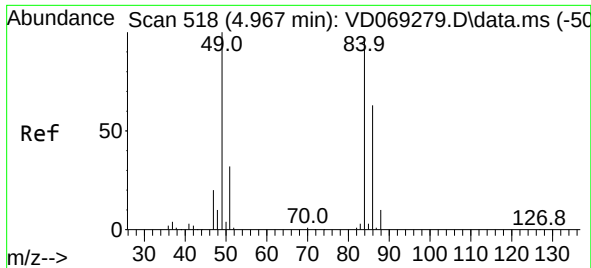
Tgt Ion: 59 Resp: 422
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 13.67 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD069301.D
Acq: 02 Jun 2021 15:04

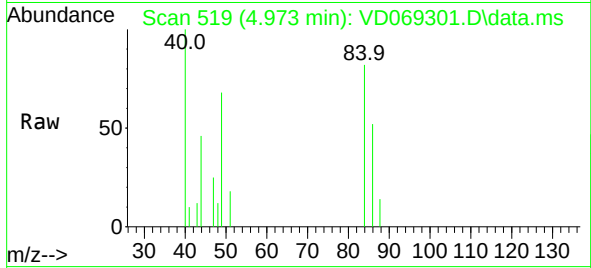
Tgt Ion: 43 Resp: 5607
Ion Ratio Lower Upper
43 100
58 48.2 27.5 41.3#



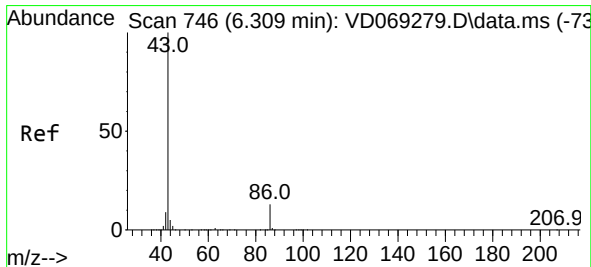
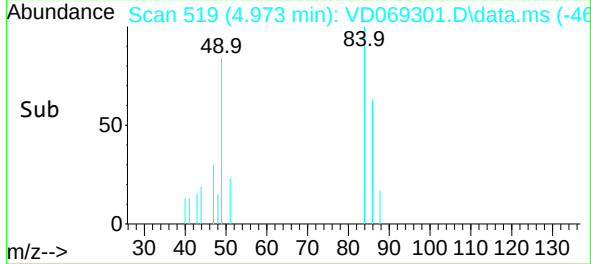
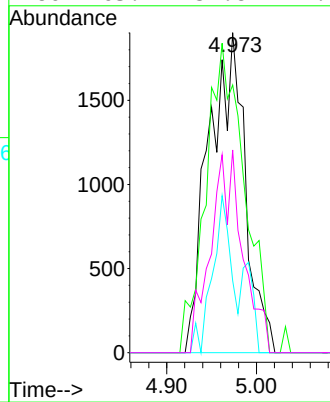


#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.006 min
Lab File: VD069301.D
Acq: 02 Jun 2021 15:04

Instrument :
MSVOA_D
ClientSampled :

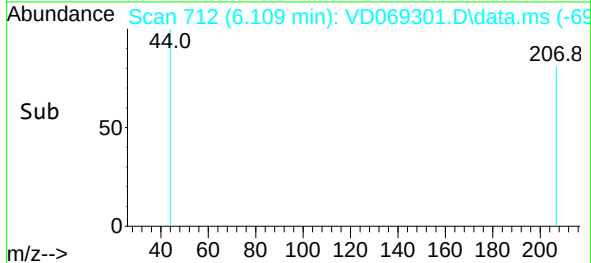
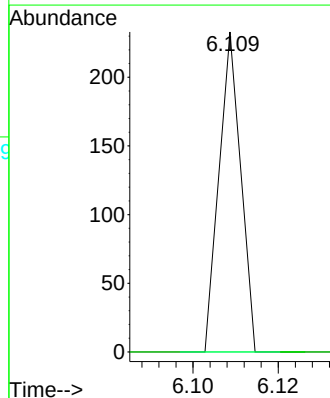
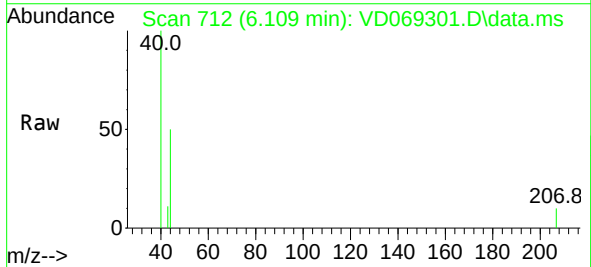


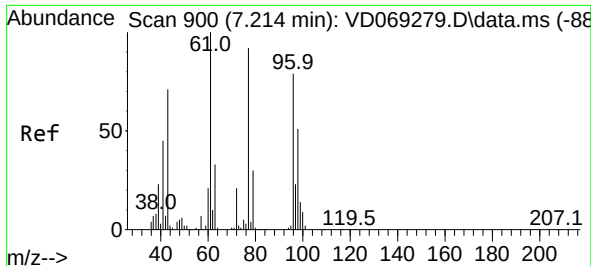
Tgt Ion:	84	Resp:	5346
Ion	Ratio	Lower	Upper
84	100		
49	83.6	83.7	125.5#
51	22.5	26.4	39.6#
86	63.4	52.8	79.2



#23
Vinyl Acetate
Concen: 11.63 ug/l
RT: 6.109 min Scan# 712
Delta R.T. -0.200 min
Lab File: VD069301.D
Acq: 02 Jun 2021 15:04

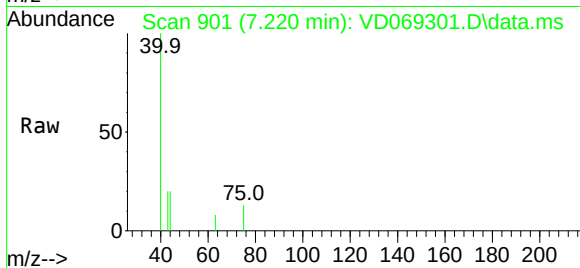
Tgt Ion:	43	Resp:	82
Ion	Ratio	Lower	Upper
43	100		
86	0.0	10.5	15.7#



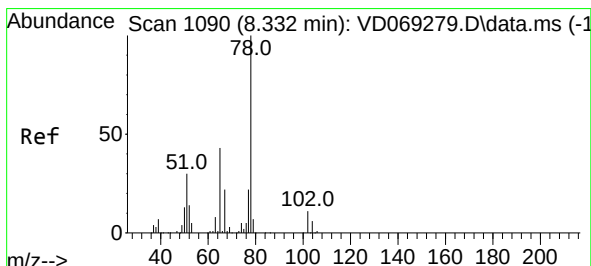
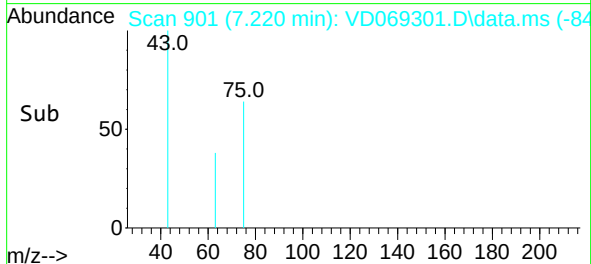
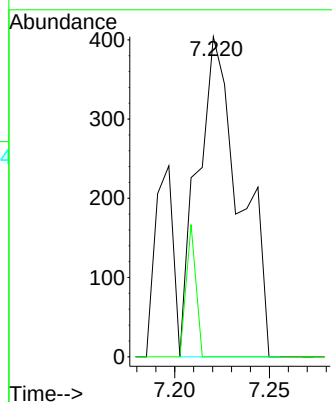


#25
2-Butanone
Concen: 1.17 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VD069301.D
Acq: 02 Jun 2021 15:04

Instrument :
MSVOA_D
ClientSampleId :

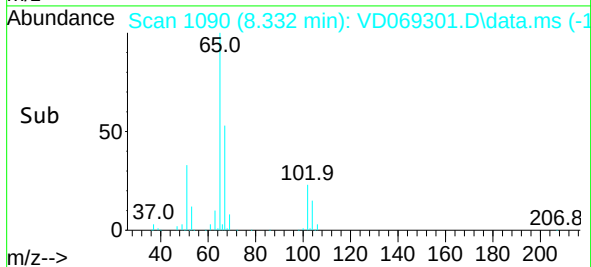
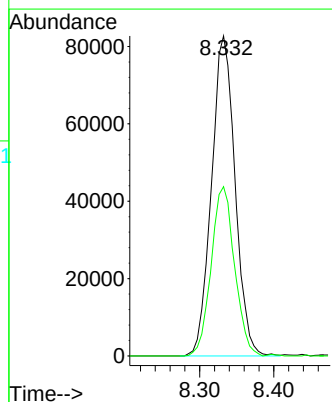
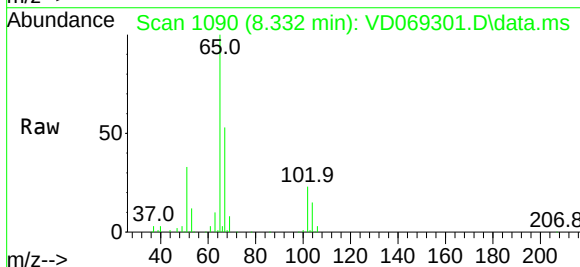


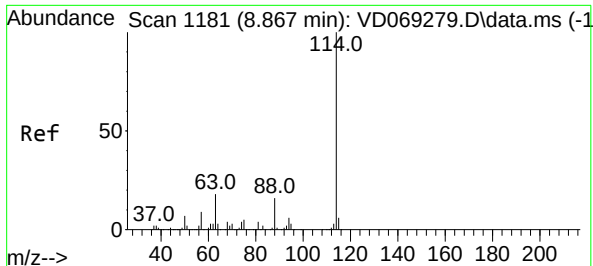
Tgt Ion: 43 Resp: 633
Ion Ratio Lower Upper
43 100
72 0.0 23.9 35.9#



#33
1,2-Dichloroethane-d4
Concen: 77.79 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069301.D
Acq: 02 Jun 2021 15:04

Tgt Ion: 65 Resp: 182866
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. 0.000 min

Lab File: VD069301.D

Acq: 02 Jun 2021 15:04

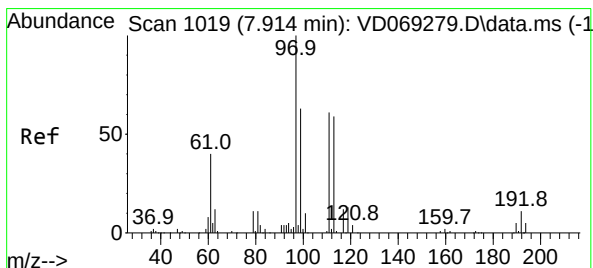
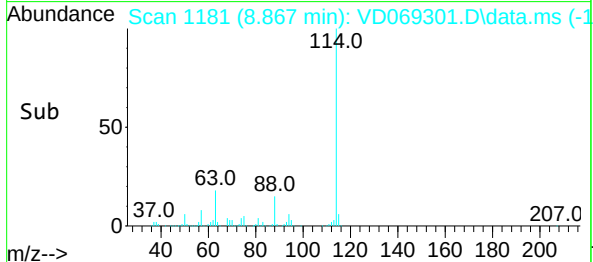
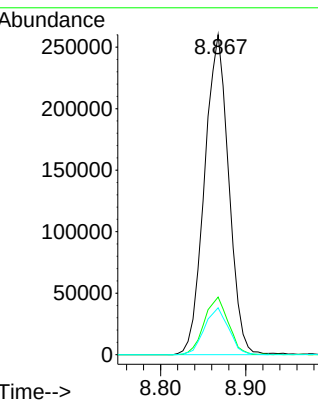
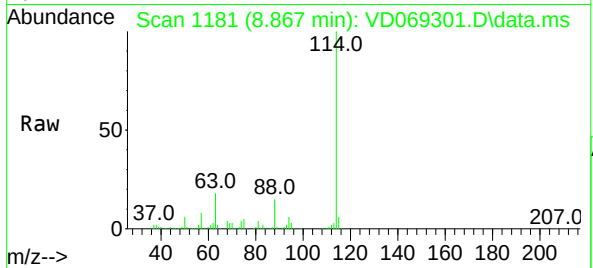
Tgt Ion:114 Resp: 512581

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.6

88 14.6 0.0 31.2



#35

Dibromofluoromethane

Concen: 59.34 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069301.D

Acq: 02 Jun 2021 15:04

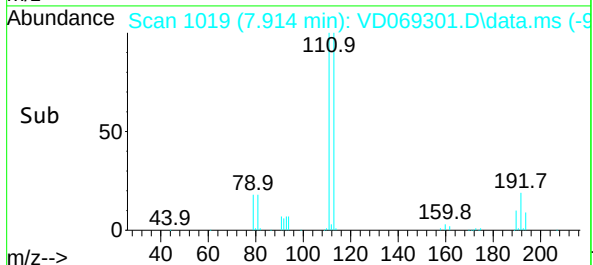
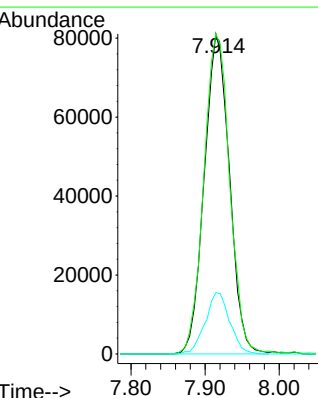
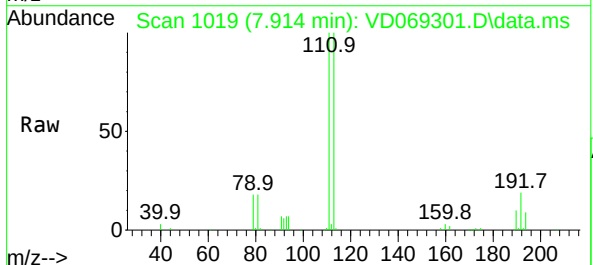
Tgt Ion:113 Resp: 191024

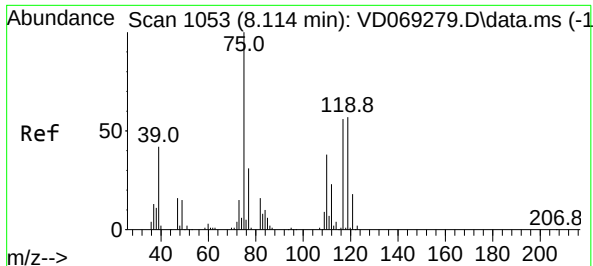
Ion Ratio Lower Upper

113 100

111 103.1 83.0 124.6

192 18.6 15.1 22.7

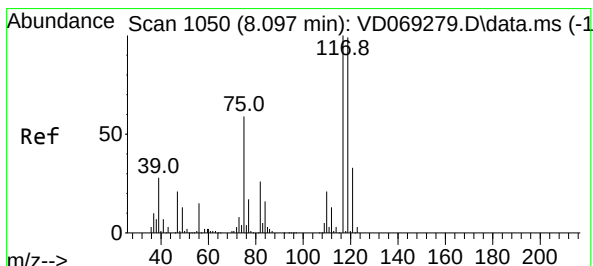
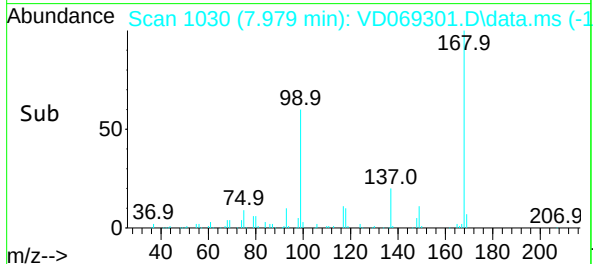
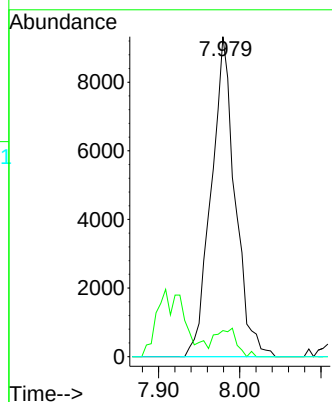
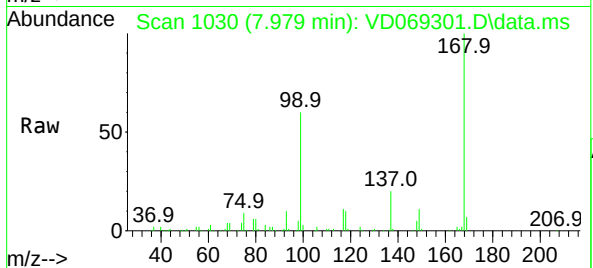




#36
1,1-Dichloropropene
Concen: 3.83 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD069301.D
Acq: 02 Jun 2021 15:04

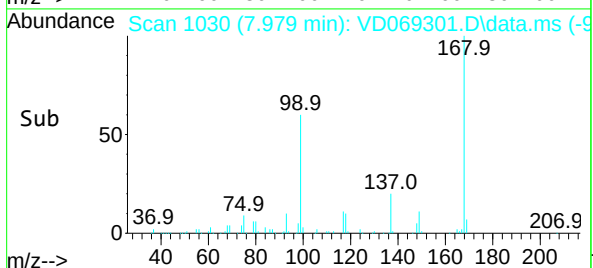
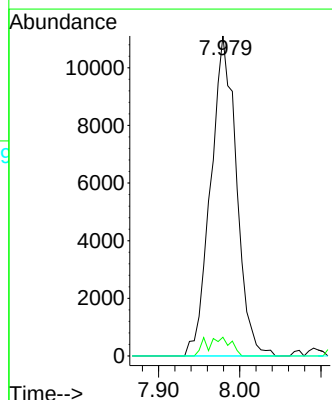
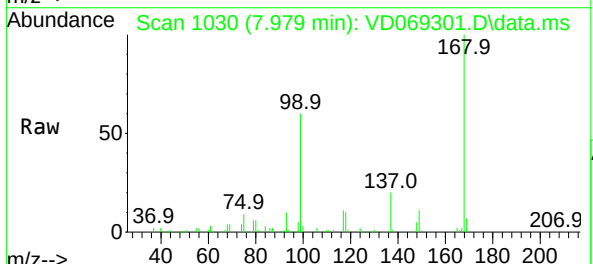
Instrument :
MSVOA_D
ClientSampled :

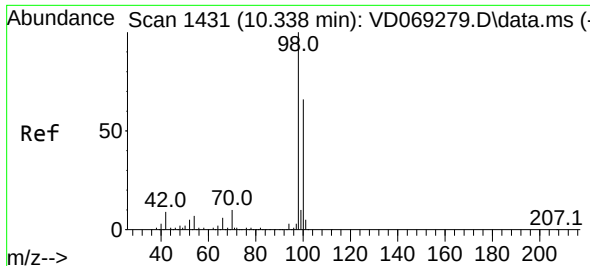
Tgt Ion: 75 Resp: 19101
Ion Ratio Lower Upper
75 100
110 7.9 18.4 55.2#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 4.55 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.117 min
Lab File: VD069301.D
Acq: 02 Jun 2021 15:04

Tgt Ion: 117 Resp: 24486
Ion Ratio Lower Upper
117 100
119 5.9 79.4 119.2#
121 0.0 26.1 39.1#

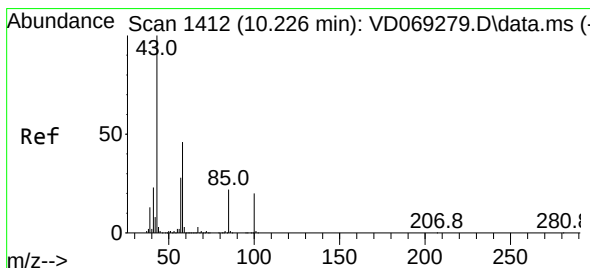
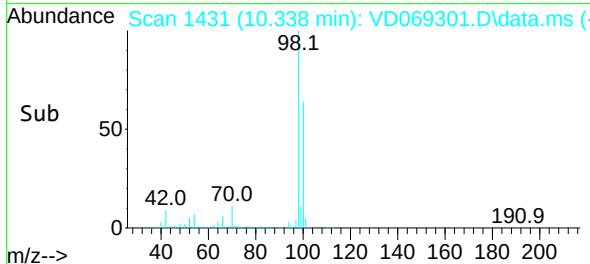
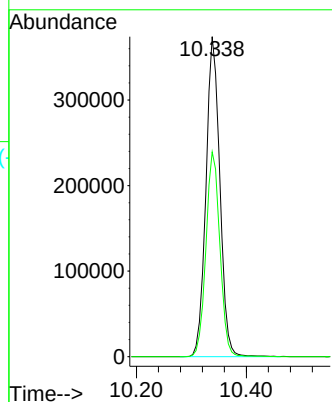
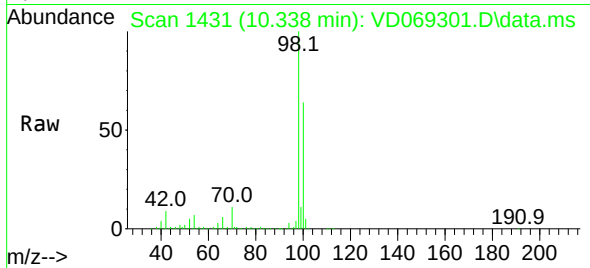




#50
Toluene-d8
Concen: 56.08 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069301.D
Acq: 02 Jun 2021 15:04

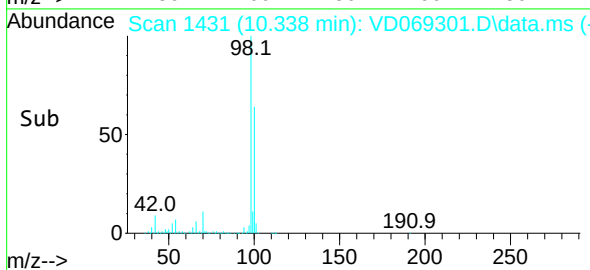
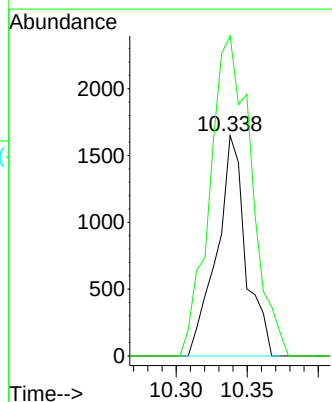
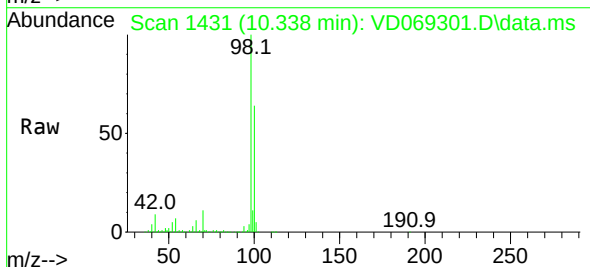
Instrument :
MSVOA_D
ClientSampleId :

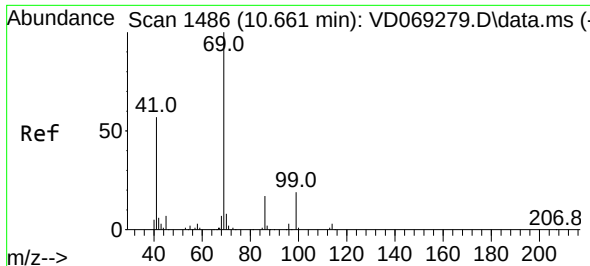
Tgt Ion: 98 Resp: 656474
Ion Ratio Lower Upper
98 100
100 64.1 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.47 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD069301.D
Acq: 02 Jun 2021 15:04

Tgt Ion: 43 Resp: 2333
Ion Ratio Lower Upper
43 100
58 208.0 35.1 52.7#

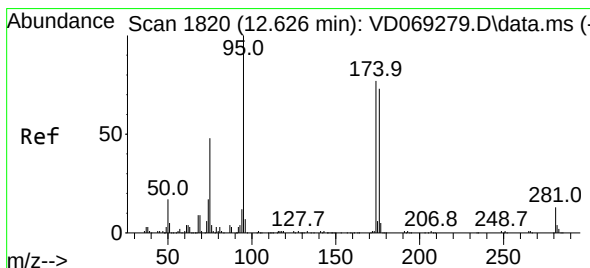
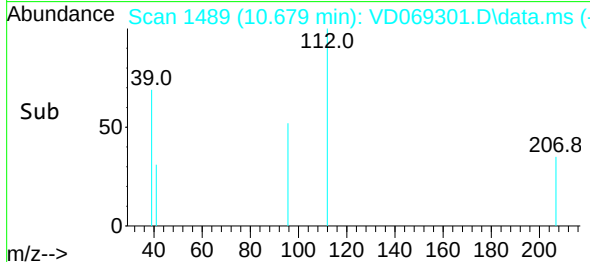
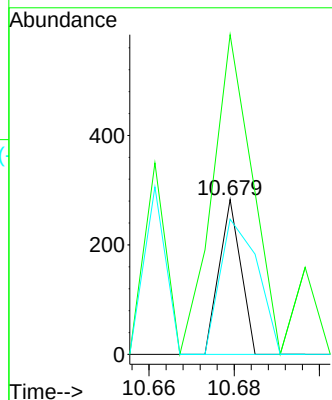
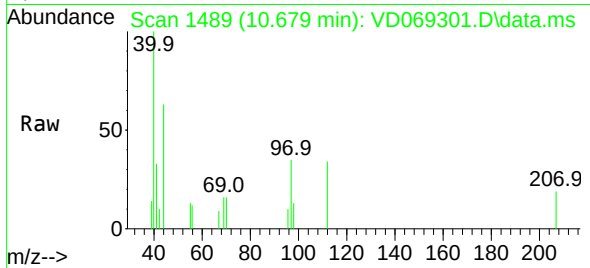




#56
Ethyl methacrylate
Concen: 2.67 ug/l
RT: 10.679 min Scan# 1489
Delta R.T. 0.018 min
Lab File: VD069301.D
Acq: 02 Jun 2021 15:04

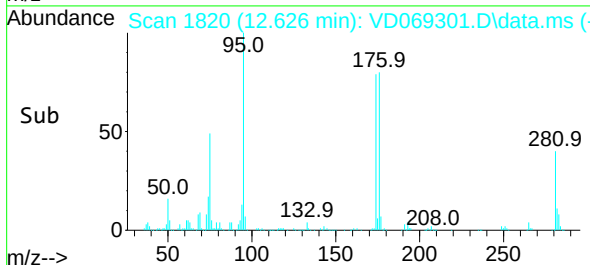
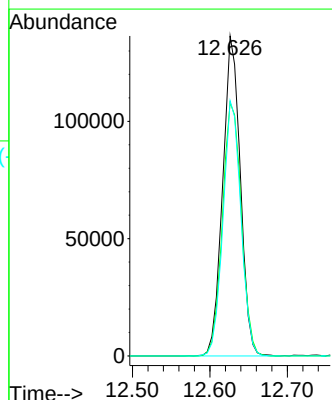
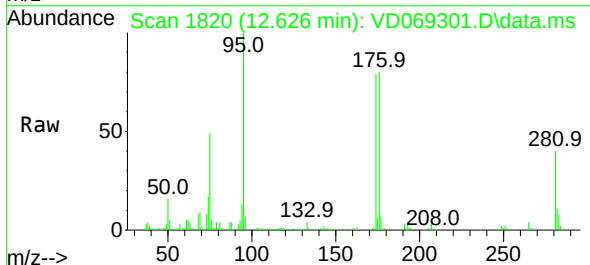
Instrument :
MSVOA_D
ClientSampleId :

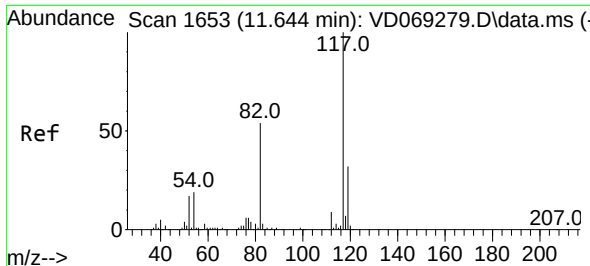
Tgt Ion: 69 Resp: 100
Ion Ratio Lower Upper
69 100
41 558.0 45.4 68.2#
39 152.0 21.7 32.5#



#62
4-Bromofluorobenzene
Concen: 56.39 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069301.D
Acq: 02 Jun 2021 15:04

Tgt Ion: 95 Resp: 216289
Ion Ratio Lower Upper
95 100
174 84.6 0.0 162.8
176 80.9 0.0 154.4

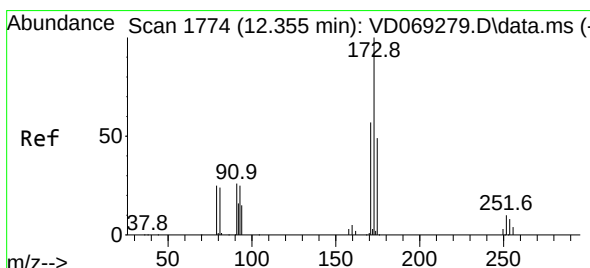
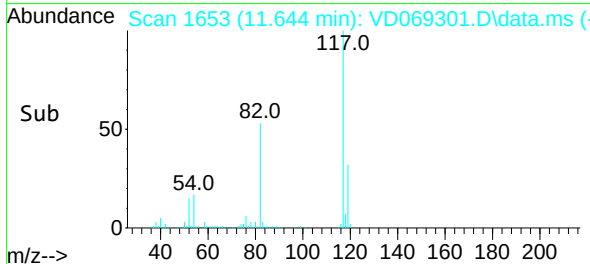
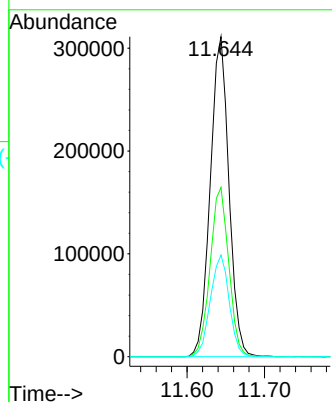
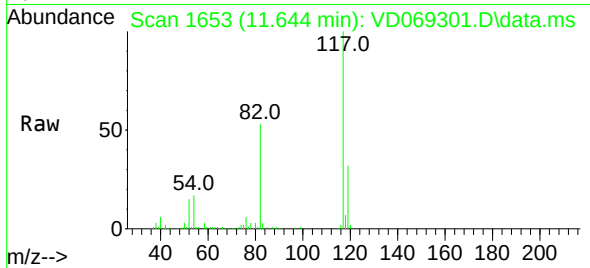




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069301.D
Acq: 02 Jun 2021 15:04

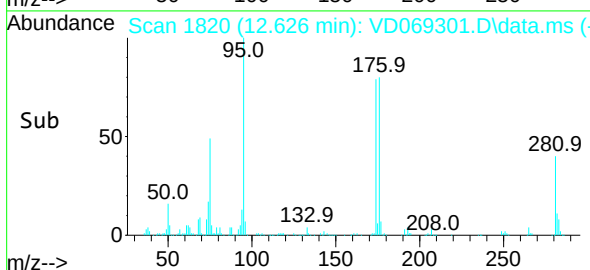
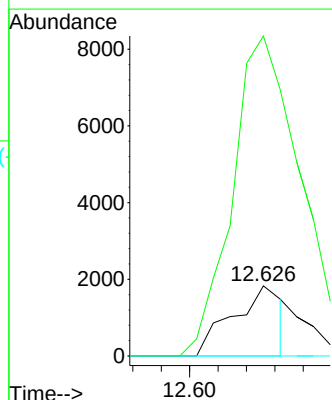
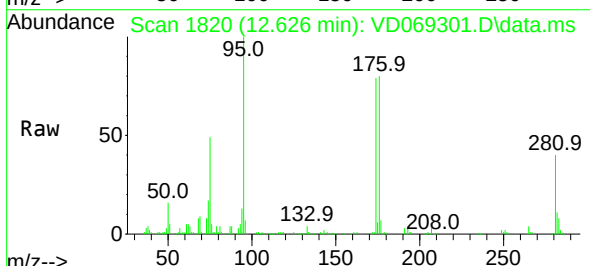
Instrument :
MSVOA_D
ClientSampleId :

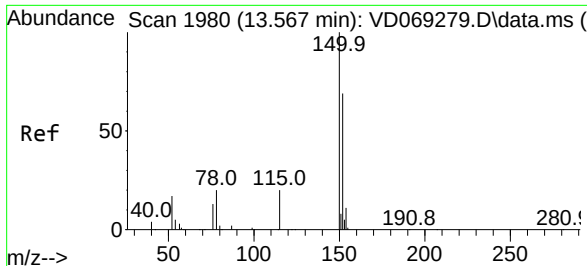
Tgt Ion:117 Resp: 521272
Ion Ratio Lower Upper
117 100
82 52.9 43.3 64.9
119 31.8 25.3 37.9



#71
Bromoform
Concen: 1.07 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069301.D
Acq: 02 Jun 2021 15:04

Tgt Ion:173 Resp: 2214
Ion Ratio Lower Upper
173 100
175 459.3 23.8 71.2#
254 0.0 0.0 0.0

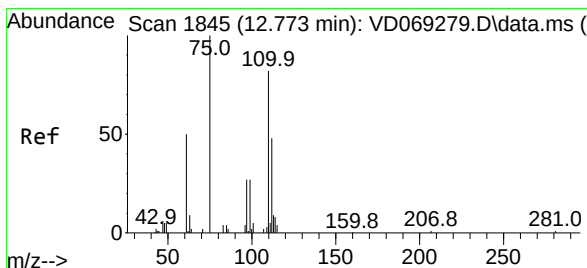
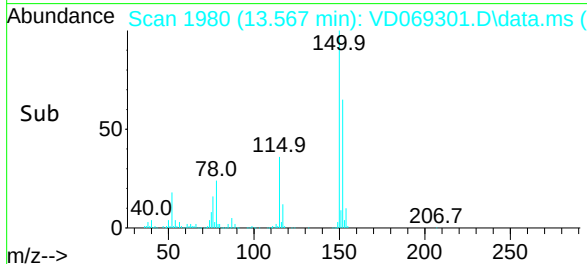
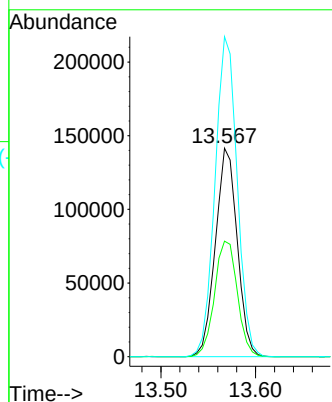
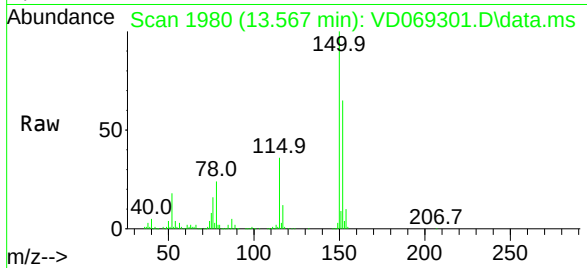




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. 0.000 min
 Lab File: VD069301.D
 Acq: 02 Jun 2021 15:04

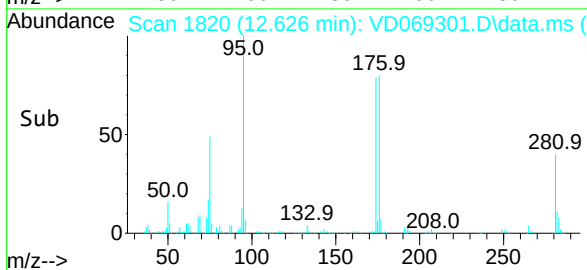
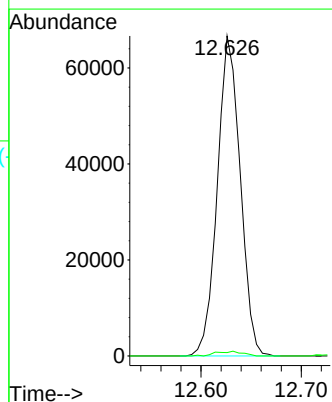
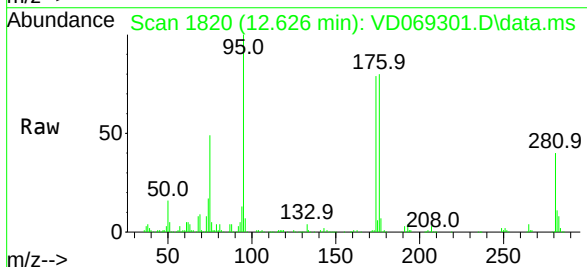
Instrument :
 MSVOA_D
 ClientSampled :

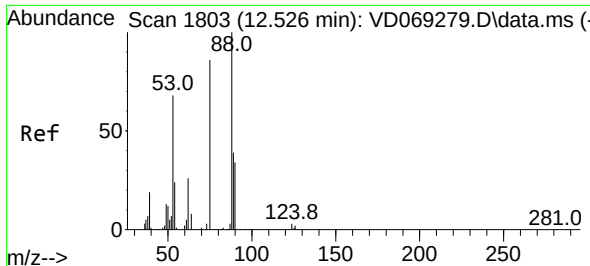
Tgt Ion:152 Resp: 226920
 Ion Ratio Lower Upper
 152 100
 115 57.9 29.4 88.3
 150 155.8 0.0 355.0



#76
 1,2,3-Trichloropropane
 Concen: 53.63 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069301.D
 Acq: 02 Jun 2021 15:04

Tgt Ion: 75 Resp: 105739
 Ion Ratio Lower Upper
 75 100
 77 1.7 183.8 551.2#

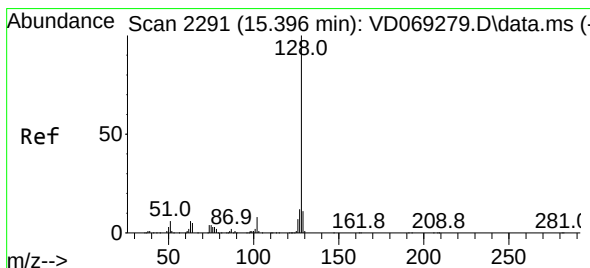
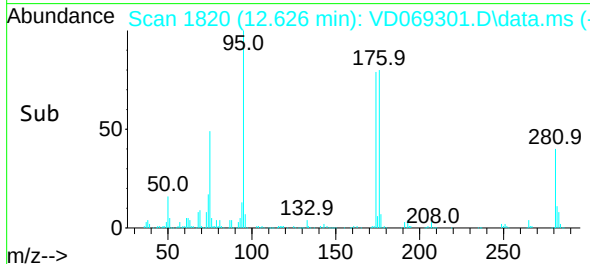
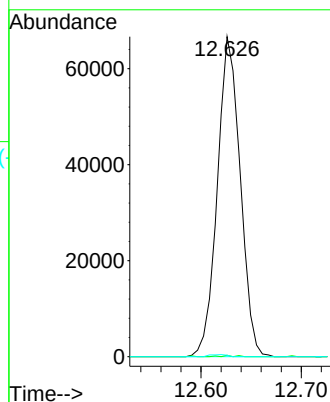
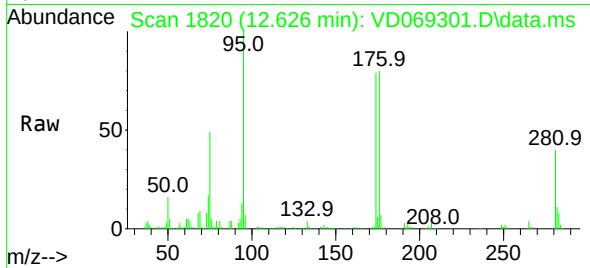




#81
trans-1,4-Dichloro-2-butene
Concen: 118.85 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069301.D
Acq: 02 Jun 2021 15:04

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 105739
Ion Ratio Lower Upper
75 100
53 0.2 62.6 94.0#
89 0.5 35.6 53.4#



#95
Naphthalene
Concen: 3.94 ug/l
RT: 15.391 min Scan# 2290
Delta R.T. -0.005 min
Lab File: VD069301.D
Acq: 02 Jun 2021 15:04

Tgt Ion: 128 Resp: 5308
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 0.0 8.8 13.2#

