

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060321\
 Data File : VD069331.D
 Acq On : 03 Jun 2021 18:07
 Operator : VA/SY
 Sample : M2588-04
 Misc : 6.52G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 04 09:37:13 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)

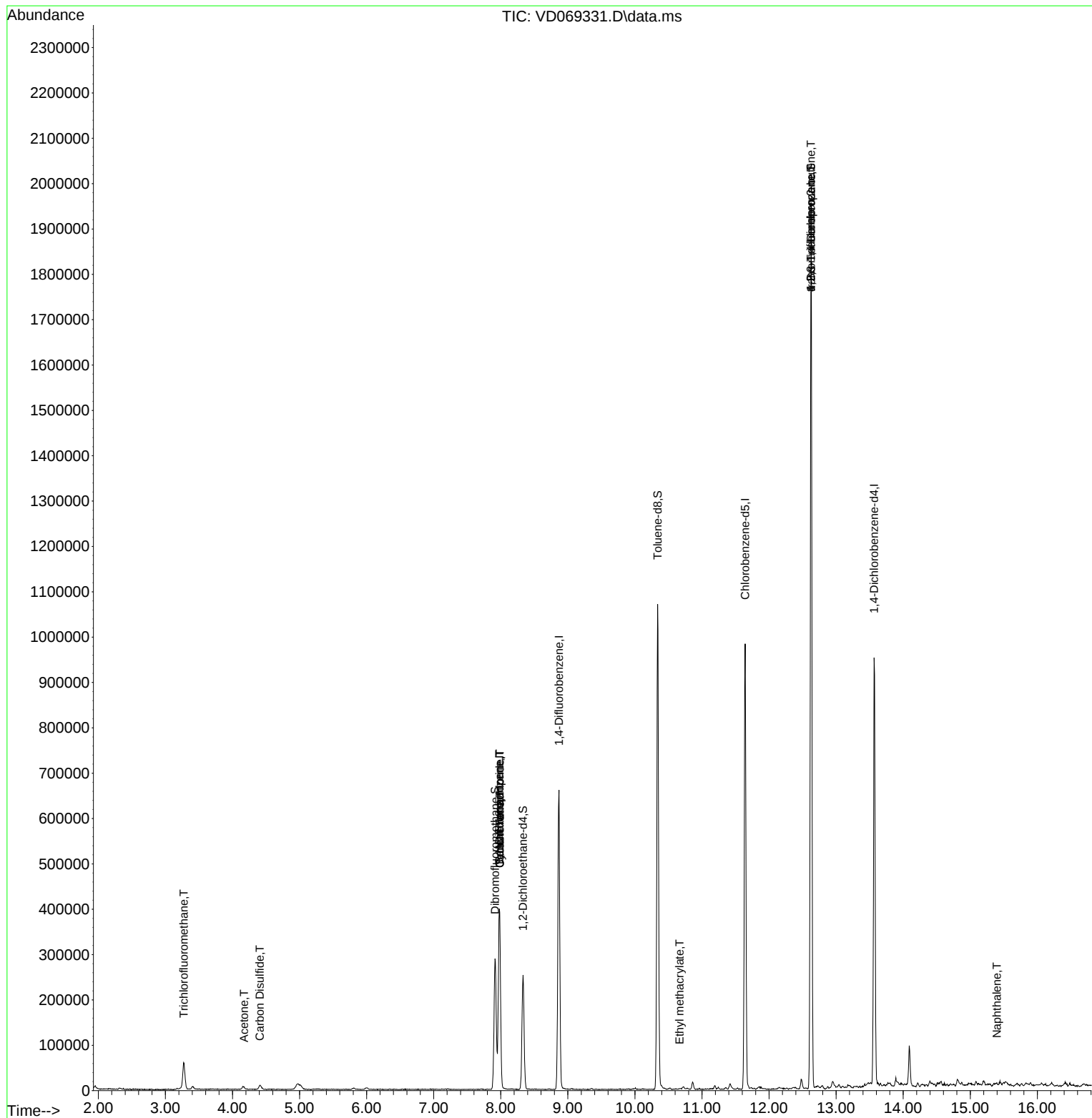
Internal Standards						
1) Pentafluorobenzene	7.979	168	305100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	586729	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	597321	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	268371	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	201693	68.90	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 137.80%			
35) Dibromofluoromethane	7.914	113	207027	56.19	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.38%			
50) Toluene-d8	10.337	98	742036	55.38	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 110.76%			
62) 4-Bromofluorobenzene	12.626	95	269524	61.39	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 122.78%			
Target Compounds						Qvalue
7) Trichlorofluoromethane	3.273	101	60584	10.55	ug/l	94
11) Tert butyl alcohol	5.214	59	1029	Below Cal	#	73
16) Acetone	4.173	43	11150	21.83	ug/l #	85
17) Carbon Disulfide	4.408	76	19181	1.90	ug/l	96
20) Methylene Chloride	4.967	84	9687	Below Cal		87
31) Cyclohexane	7.985	56	6644	1.43	ug/l #	4
36) 1,1-Dichloropropene	7.979	75	24483	4.29	ug/l #	49
38) Carbon Tetrachloride	7.985	117	31323	5.09	ug/l #	15
56) Ethyl methacrylate	10.667	69	57	2.65	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	140405	60.22	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	140405	133.44	ug/l #	19
95) Naphthalene	15.396	128	4699	3.78	ug/l #	92

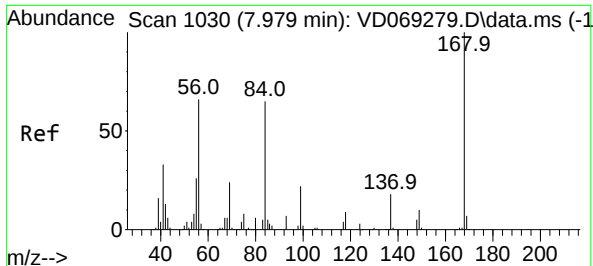
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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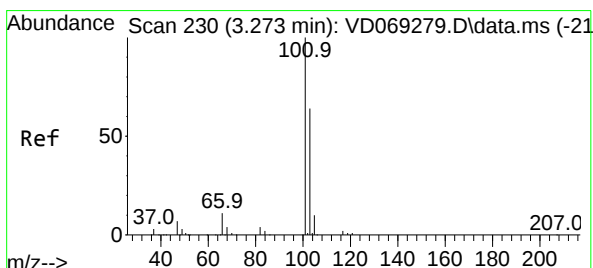
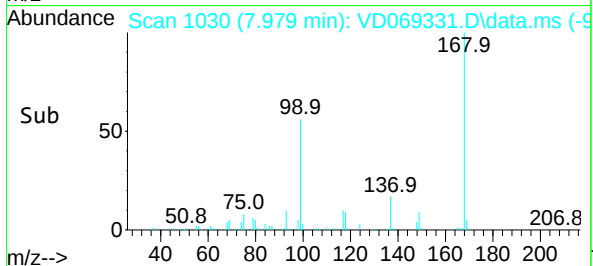
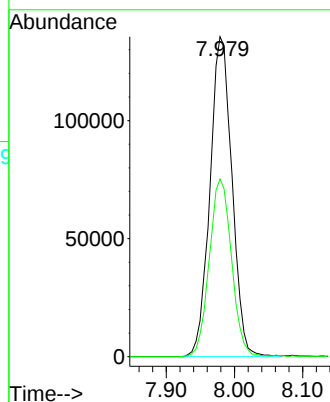
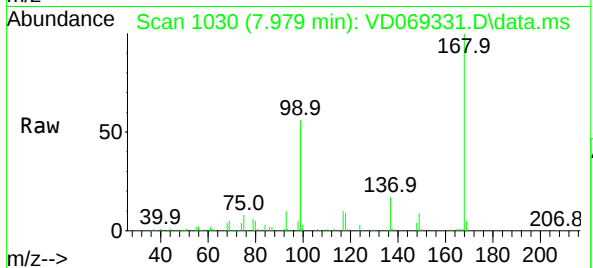




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069331.D
Acq: 03 Jun 2021 18:07

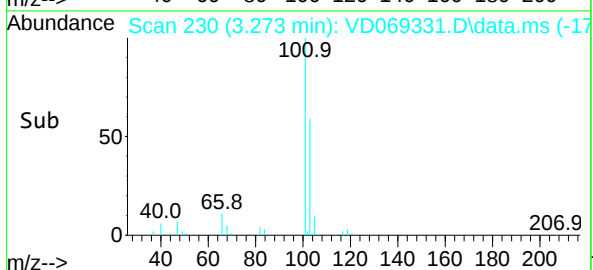
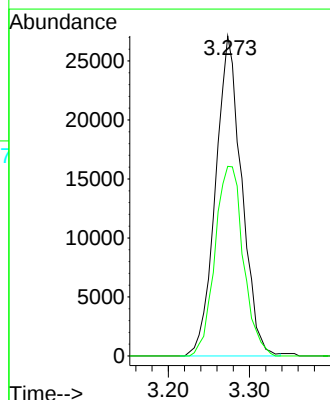
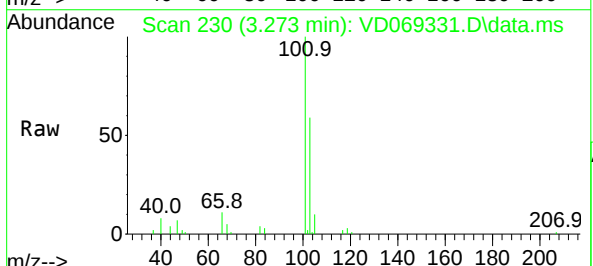
Instrument :
MSVOA_D
ClientSampled :

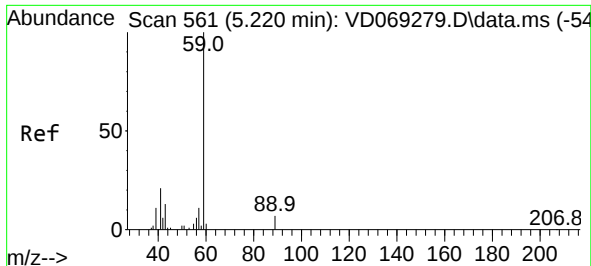
Tgt Ion:168 Resp: 305100
Ion Ratio Lower Upper
168 100
99 55.5 46.2 69.2



#7
Trichlorofluoromethane
Concen: 10.55 ug/l
RT: 3.273 min Scan# 230
Delta R.T. -0.000 min
Lab File: VD069331.D
Acq: 03 Jun 2021 18:07

Tgt Ion:101 Resp: 60584
Ion Ratio Lower Upper
101 100
103 59.2 51.0 76.4



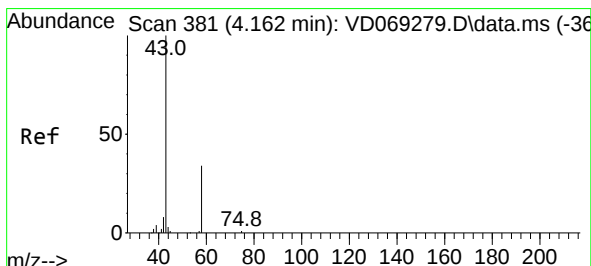
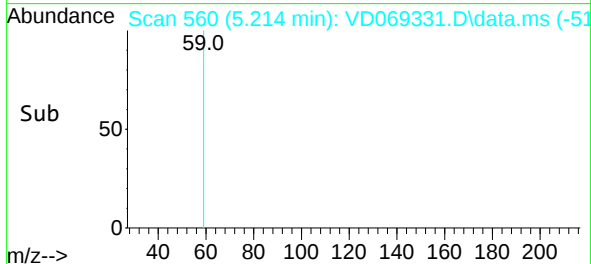
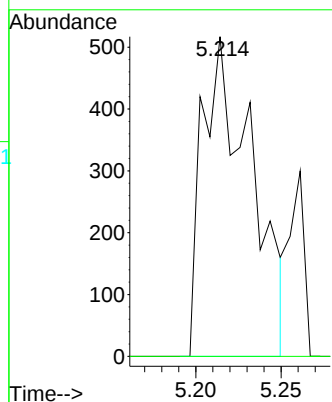
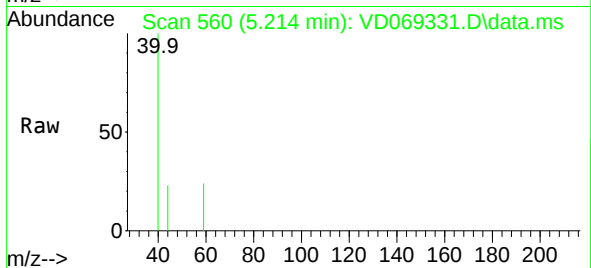


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.214 min Scan# 560
Delta R.T. -0.006 min
Lab File: VD069331.D
Acq: 03 Jun 2021 18:07

Instrument :
MSVOA_D
ClientSampled :

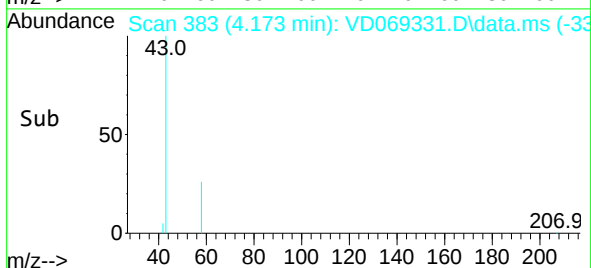
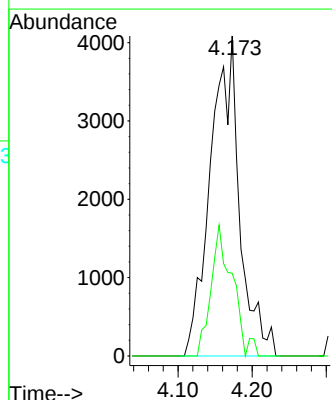
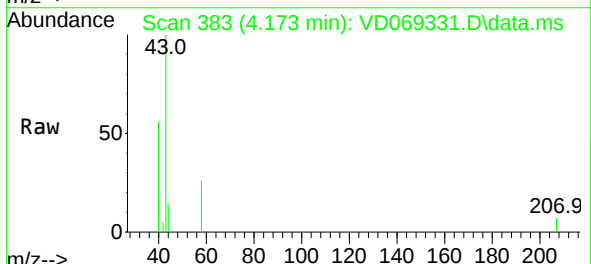
Tgt Ion: 59 Resp: 1029
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

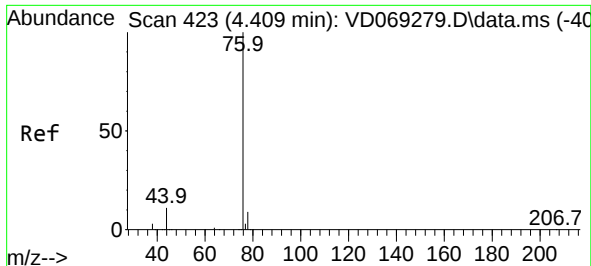


#16

Acetone
Concen: 21.83 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.011 min
Lab File: VD069331.D
Acq: 03 Jun 2021 18:07

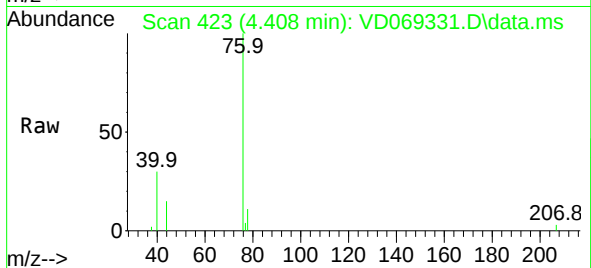
Tgt Ion: 43 Resp: 11150
Ion Ratio Lower Upper
43 100
58 25.9 27.5 41.3#



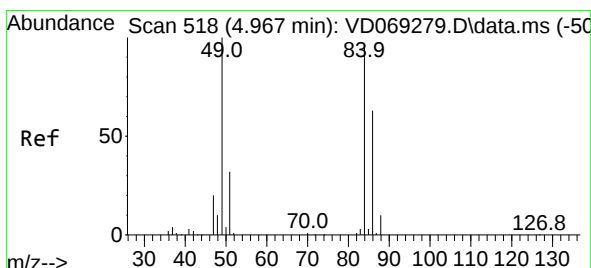
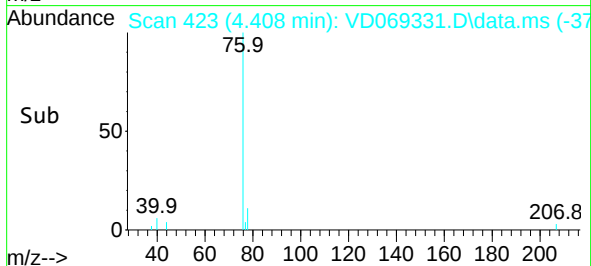
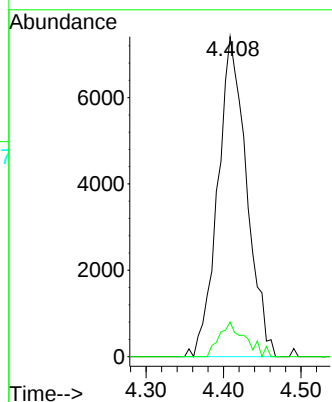


#17
Carbon Disulfide
Concen: 1.90 ug/l
RT: 4.408 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD069331.D
Acq: 03 Jun 2021 18:07

Instrument :
MSVOA_D
ClientSampled :

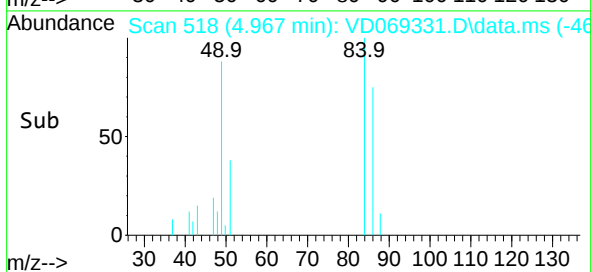
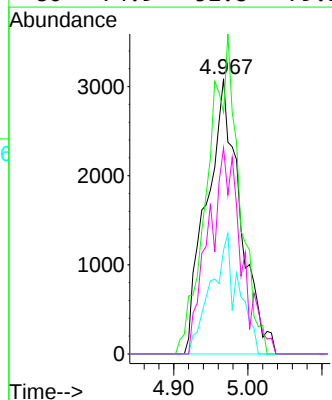
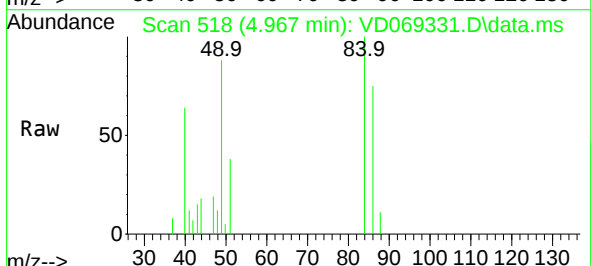


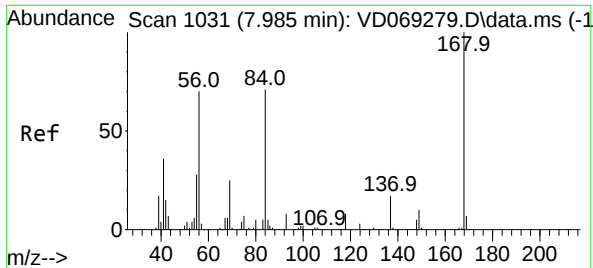
Tgt Ion: 76 Resp: 19181
Ion Ratio Lower Upper
76 100
78 10.8 7.4 11.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.000 min
Lab File: VD069331.D
Acq: 03 Jun 2021 18:07

Tgt Ion: 84 Resp: 9687
Ion Ratio Lower Upper
84 100
49 87.9 83.7 125.5
51 37.7 26.4 39.6
86 74.9 52.8 79.2

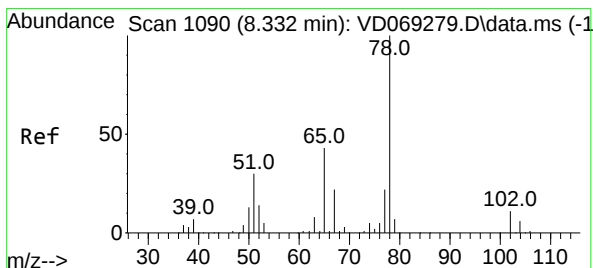
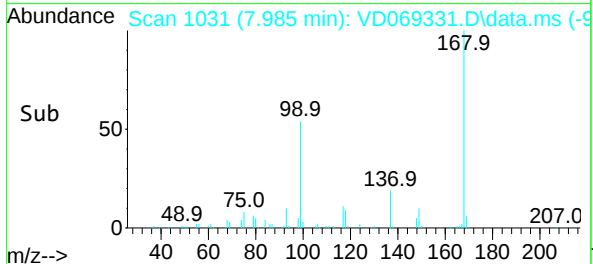
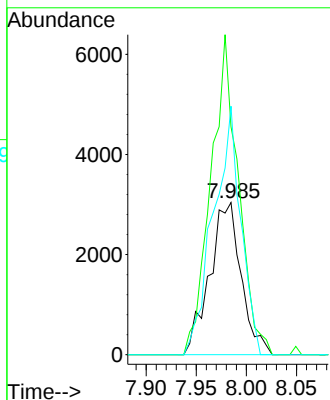
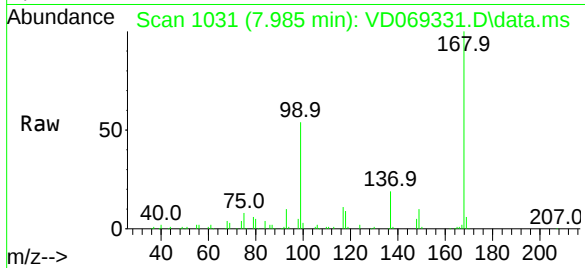




#31
Cyclohexane
Concen: 1.43 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD069331.D
Acq: 03 Jun 2021 18:07

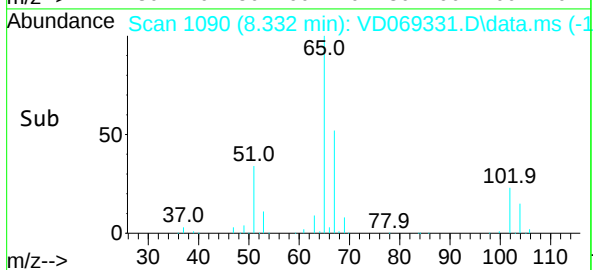
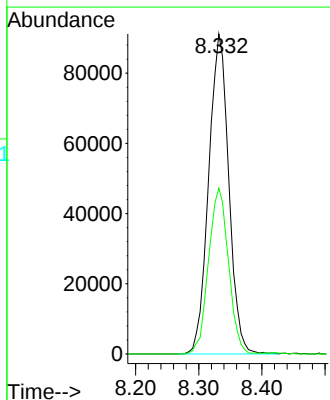
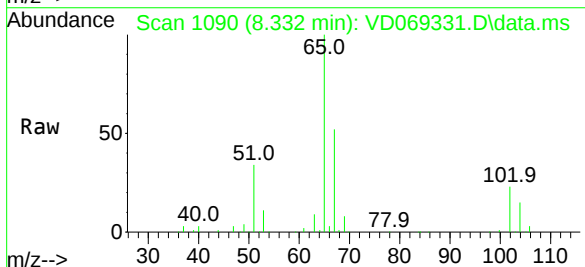
Instrument :
MSVOA_D
ClientSampleId :

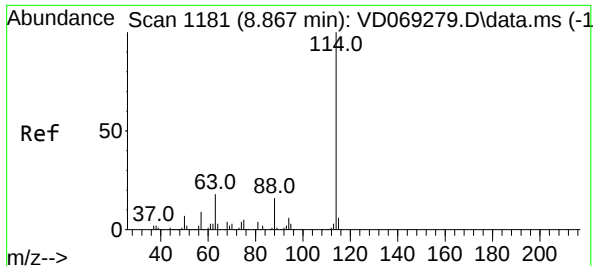
Tgt Ion: 56 Resp: 6644
Ion Ratio Lower Upper
56 100
69 149.8 29.0 43.4#
84 163.3 81.1 121.7#



#33
1,2-Dichloroethane-d4
Concen: 68.90 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069331.D
Acq: 03 Jun 2021 18:07

Tgt Ion: 65 Resp: 201693
Ion Ratio Lower Upper
65 100
67 51.4 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: VD069331.D

Acq: 03 Jun 2021 18:07

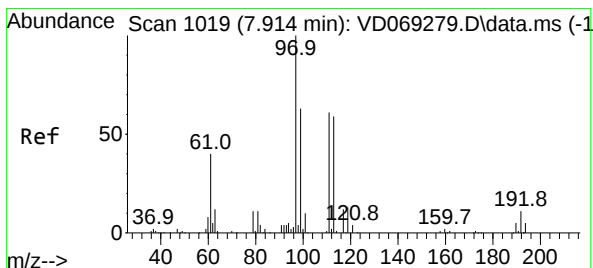
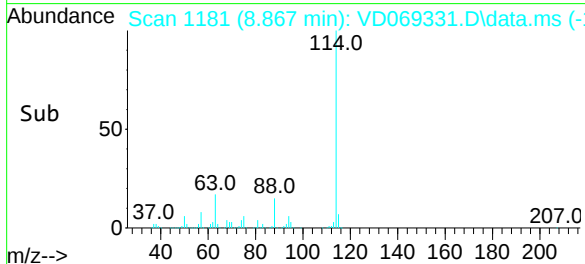
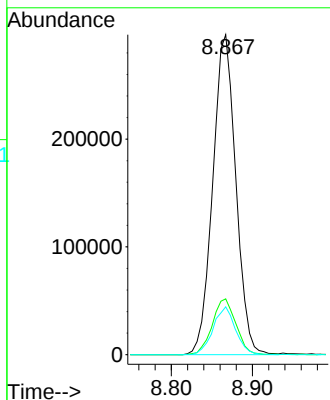
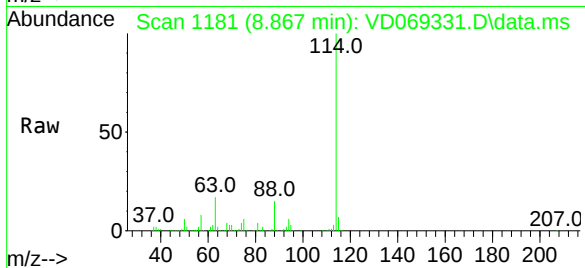
Tgt Ion:114 Resp: 586729

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.6

88 14.9 0.0 31.2



#35

Dibromofluoromethane

Concen: 56.19 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069331.D

Acq: 03 Jun 2021 18:07

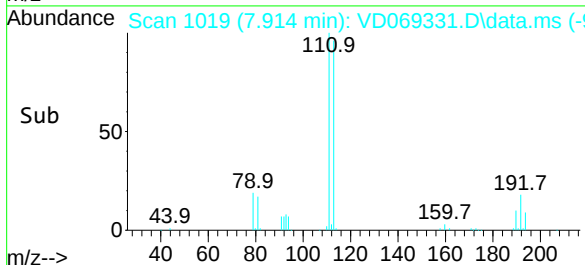
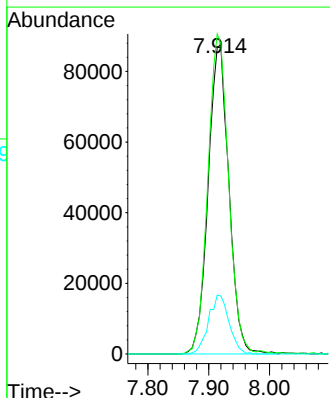
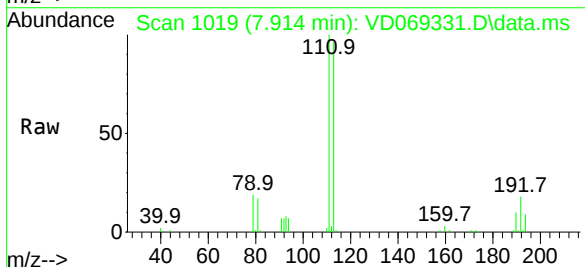
Tgt Ion:113 Resp: 207027

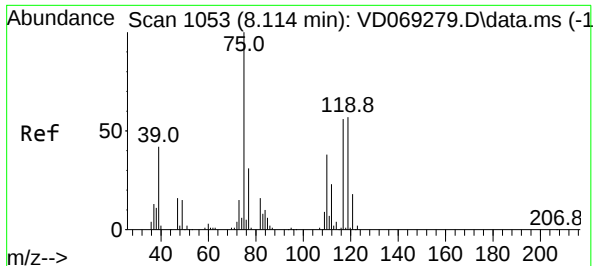
Ion Ratio Lower Upper

113 100

111 103.1 83.0 124.6

192 18.8 15.1 22.7

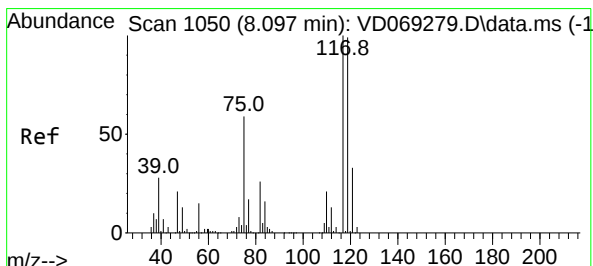
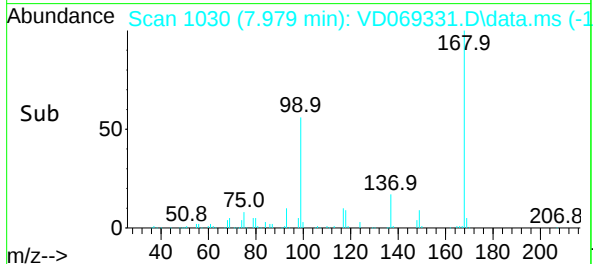
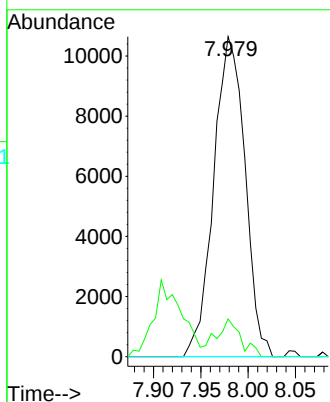
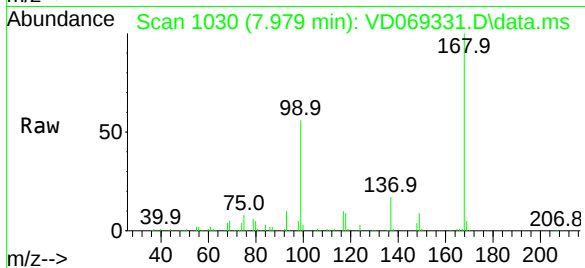




#36
1,1-Dichloropropene
Concen: 4.29 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.136 min
Lab File: VD069331.D
Acq: 03 Jun 2021 18:07

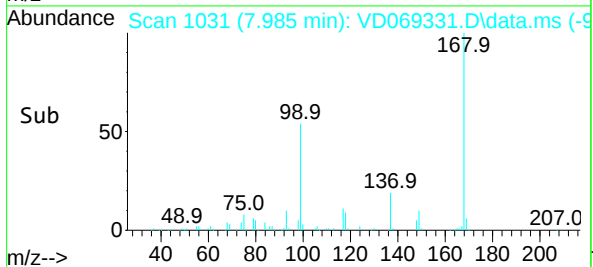
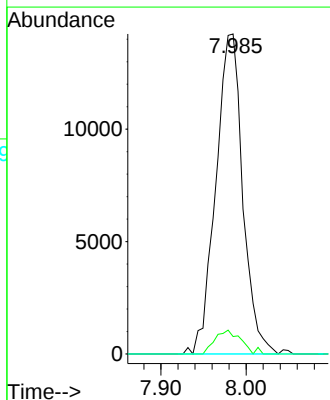
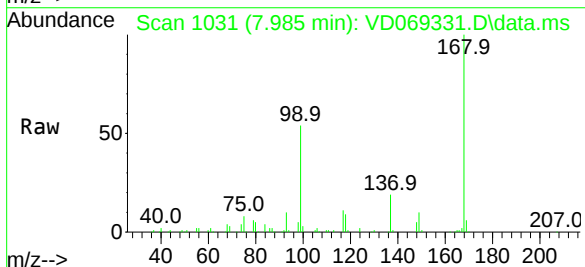
Instrument :
MSVOA_D
ClientSampled :

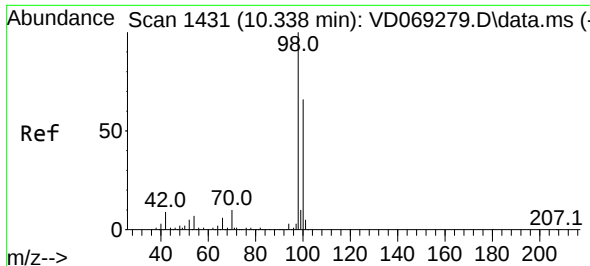
Tgt Ion: 75 Resp: 24483
Ion Ratio Lower Upper
75 100
110 9.5 18.4 55.2#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.09 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD069331.D
Acq: 03 Jun 2021 18:07

Tgt Ion: 117 Resp: 31323
Ion Ratio Lower Upper
117 100
119 5.5 79.4 119.2#
121 0.0 26.1 39.1#

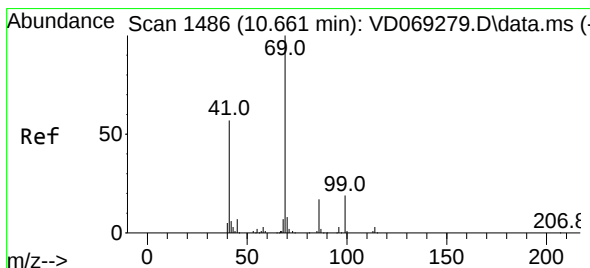
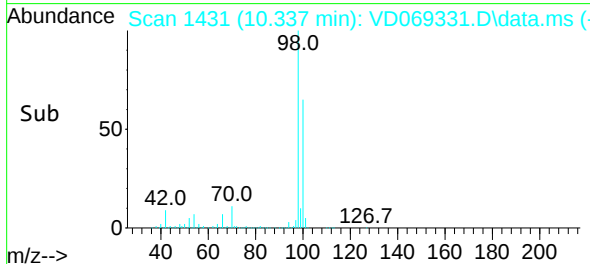
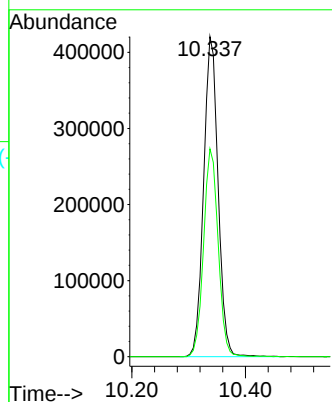
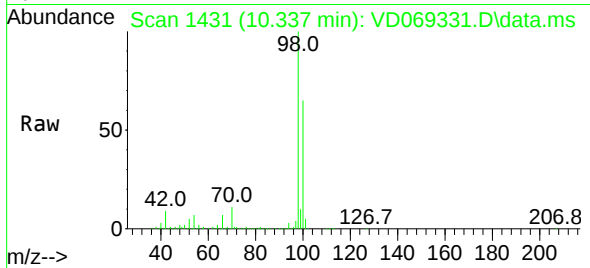




#50
Toluene-d8
Concen: 55.38 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069331.D
Acq: 03 Jun 2021 18:07

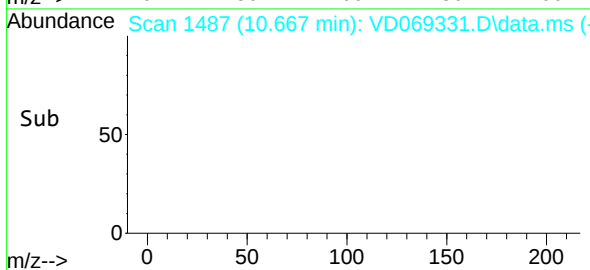
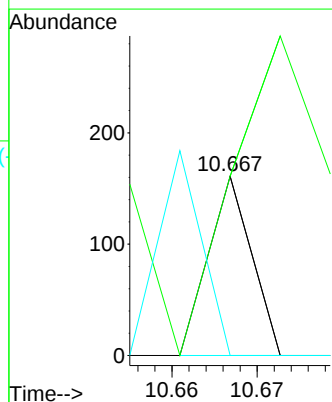
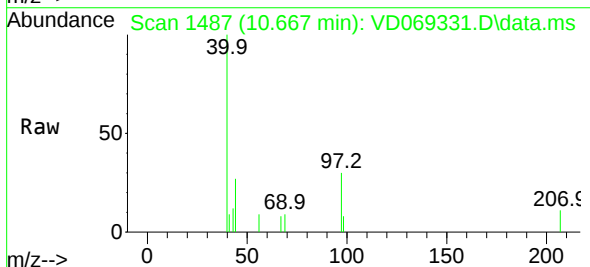
Instrument :
MSVOA_D
ClientSampleId :

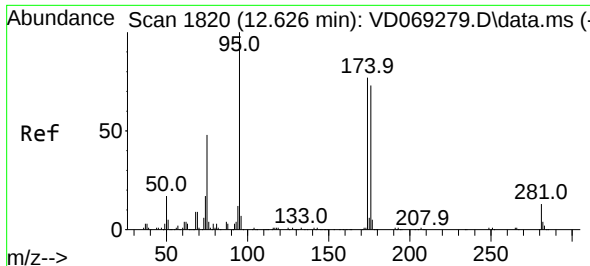
Tgt Ion: 98 Resp: 742036
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1



#56
Ethyl methacrylate
Concen: 2.65 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.006 min
Lab File: VD069331.D
Acq: 03 Jun 2021 18:07

Tgt Ion: 69 Resp: 57
Ion Ratio Lower Upper
69 100
41 612.3 45.4 68.2#
39 114.0 21.7 32.5#

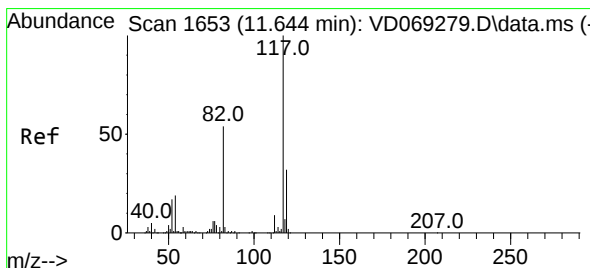
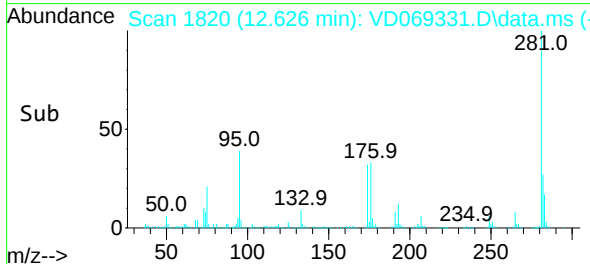
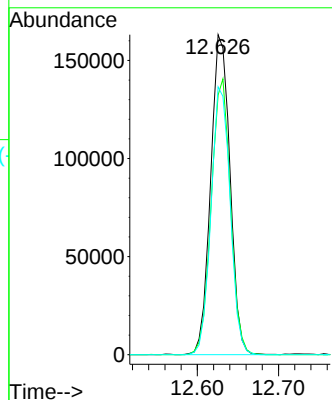
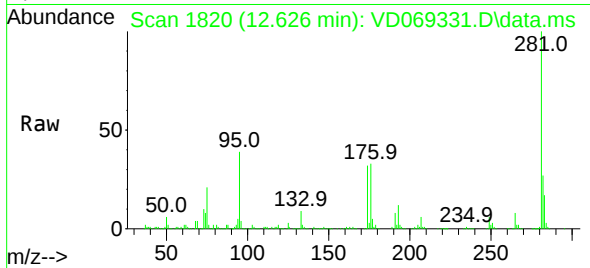




#62
4-Bromofluorobenzene
Concen: 61.39 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069331.D
Acq: 03 Jun 2021 18:07

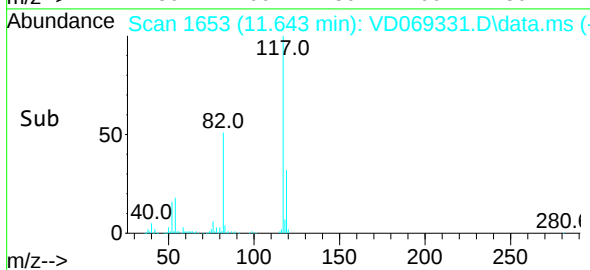
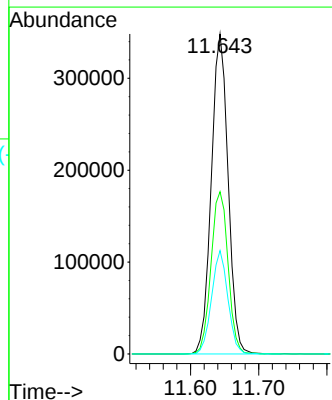
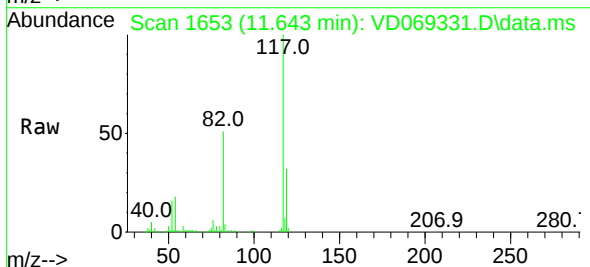
Instrument :
MSVOA_D
ClientSampleId :

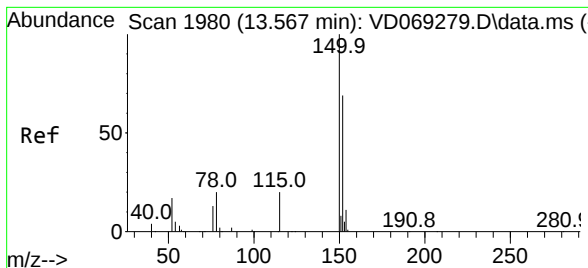
Tgt Ion: 95 Resp: 269524
Ion Ratio Lower Upper
95 100
174 85.7 0.0 162.8
176 82.7 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD069331.D
Acq: 03 Jun 2021 18:07

Tgt Ion: 117 Resp: 597321
Ion Ratio Lower Upper
117 100
82 50.7 43.3 64.9
119 32.3 25.3 37.9

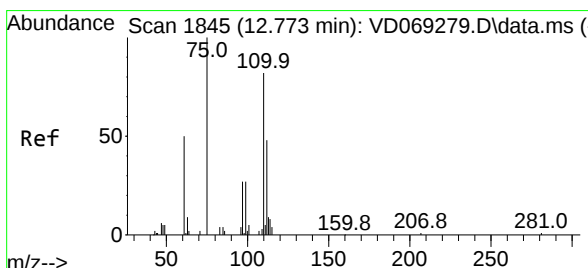
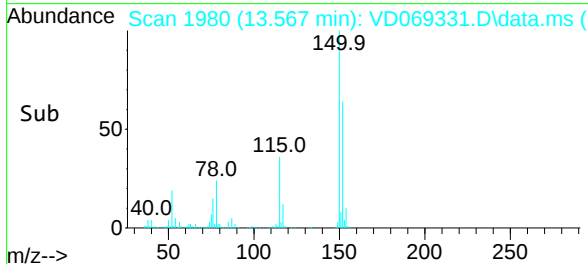
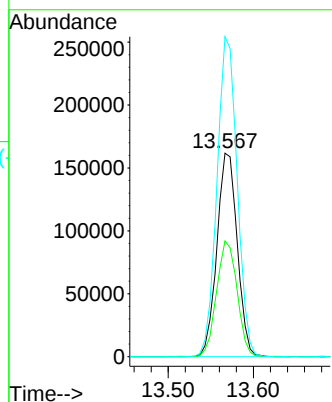
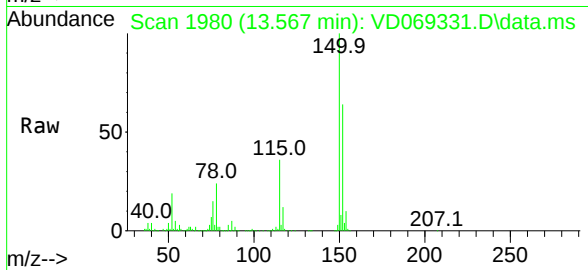




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069331.D
Acq: 03 Jun 2021 18:07

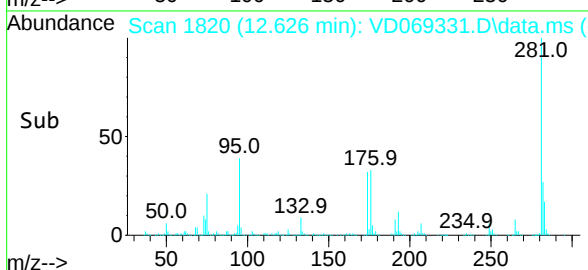
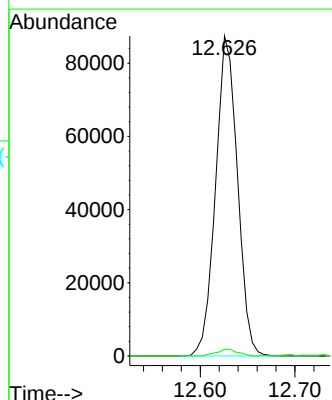
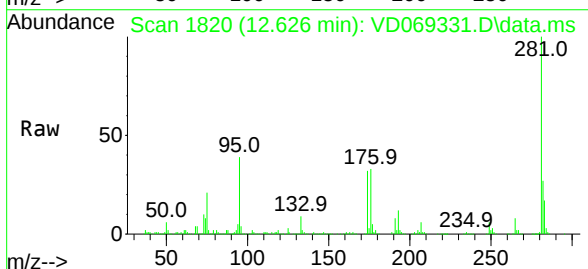
Instrument :
MSVOA_D
ClientSampleId :

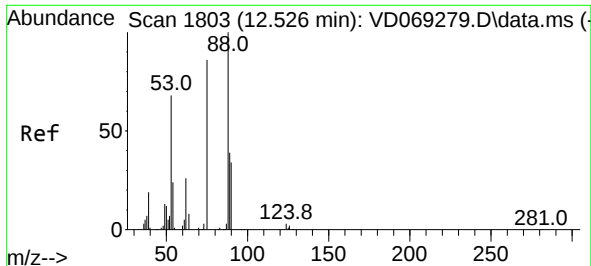
Tgt Ion:152 Resp: 268371
Ion Ratio Lower Upper
152 100
115 57.2 29.4 88.3
150 155.9 0.0 355.0



#76
1,2,3-Trichloropropane
Concen: 60.22 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069331.D
Acq: 03 Jun 2021 18:07

Tgt Ion: 75 Resp: 140405
Ion Ratio Lower Upper
75 100
77 2.1 183.8 551.2#

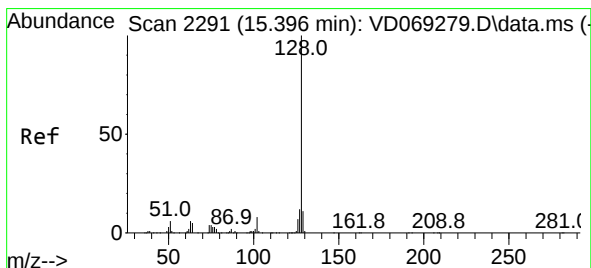
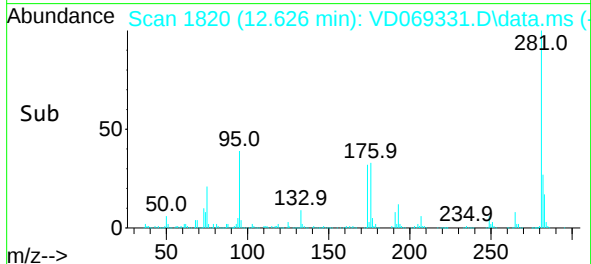
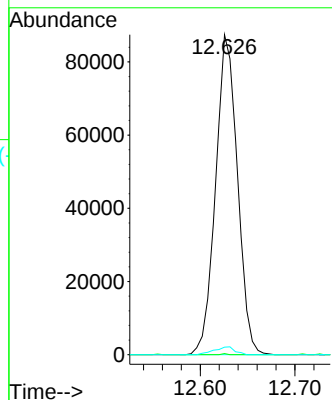
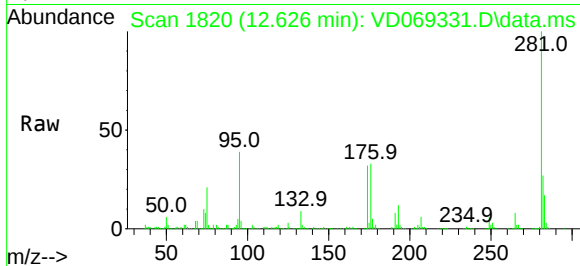




#81
trans-1,4-Dichloro-2-butene
Concen: 133.44 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069331.D
Acq: 03 Jun 2021 18:07

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 140405
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 2.3 35.6 53.4#



#95
Naphthalene
Concen: 3.78 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. -0.000 min
Lab File: VD069331.D
Acq: 03 Jun 2021 18:07

Tgt Ion:128 Resp: 4699
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 4.9 8.8 13.2#

