

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060221\
 Data File : VD069294.D
 Acq On : 02 Jun 2021 11:39
 Operator : VA/SY
 Sample : VD0602SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 03 01:06:33 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	280233	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	568179	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	563834	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	253134	50.00	ug/l	0.00

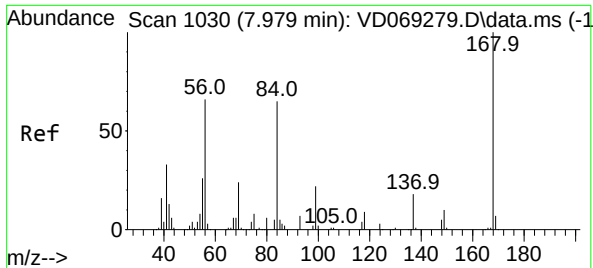
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	189882	70.62	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	141.24%
35) Dibromofluoromethane	7.914	113	209652	58.76	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	117.52%
50) Toluene-d8	10.338	98	708003	54.57	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	109.14%
62) 4-Bromofluorobenzene	12.626	95	218677	51.44	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	102.88%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	3196	1.08	ug/l	98
7) Trichlorofluoromethane	3.279	101	5381	1.02	ug/l #	80
9) 1,1,2-Trichlorotrifluo...	4.091	101	3165	1.02	ug/l #	67
10) Methyl Iodide	4.297	142	1138	2.85	ug/l #	51
13) Acrolein	3.938	56	54	17.42	ug/l #	16
16) Acetone	4.156	43	4125	8.79	ug/l #	79
17) Carbon Disulfide	4.414	76	12194	1.31	ug/l #	90
20) Methylene Chloride	4.961	84	30323	2.40	ug/l #	88
23) Vinyl Acetate	6.308	43	604	11.75	ug/l #	67
25) 2-Butanone	7.191	43	2084	3.38	ug/l #	45
31) Cyclohexane	7.985	56	9294	2.18	ug/l #	54
49) 1,4-Dioxane	9.467	88	79	3.68	ug/l #	27
51) 4-Methyl-2-Pentanone	10.226	43	1960	1.11	ug/l #	79
56) Ethyl methacrylate	10.661	69	173	2.69	ug/l #	80
76) 1,2,3-Trichloropropane	12.626	75	110199	50.11	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	110199	111.04	ug/l #	18
95) Naphthalene	15.384	128	3811	3.71	ug/l #	85

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

Quant Time: Jun 03 01:06:33 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

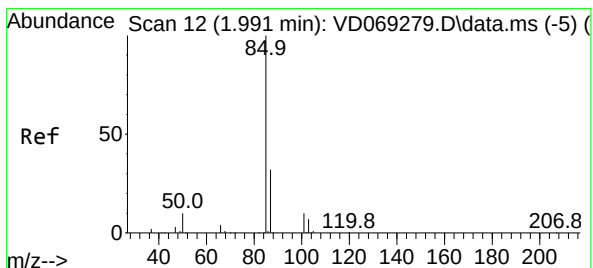
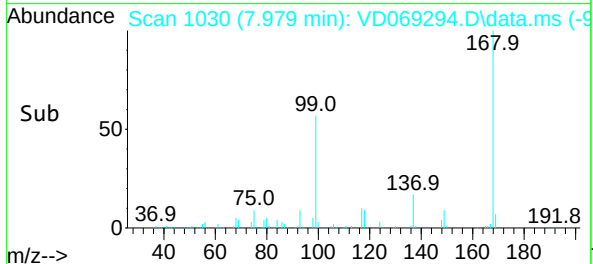
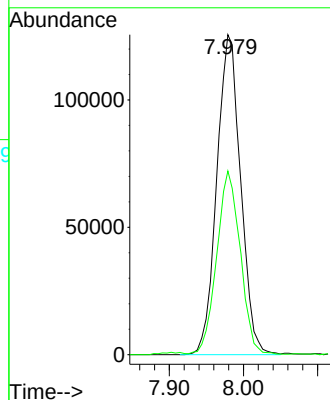
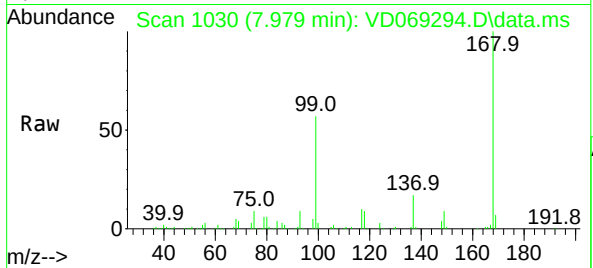




#1
 Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.979 min Scan# 1030
 Delta R.T. -0.000 min
 Lab File: VD069294.D
 Acq: 02 Jun 2021 11:39

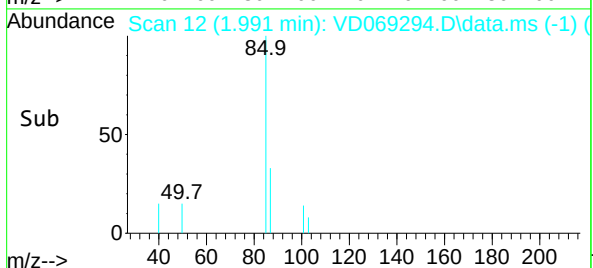
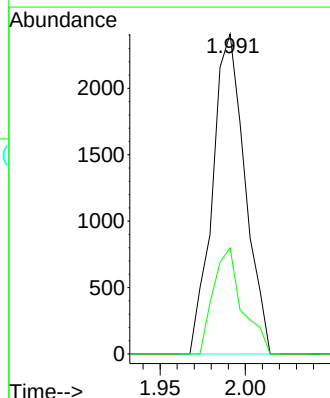
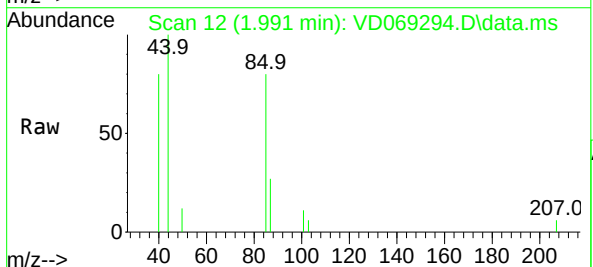
Instrument :
 MSVOA_D
 ClientSampled :

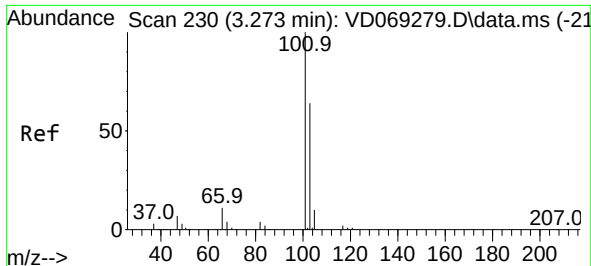
Tgt Ion:168 Resp: 280233
 Ion Ratio Lower Upper
 168 100
 99 57.2 46.2 69.2



#2
 Dichlorodifluoromethane
 Concen: 1.08 ug/l
 RT: 1.991 min Scan# 12
 Delta R.T. -0.000 min
 Lab File: VD069294.D
 Acq: 02 Jun 2021 11:39

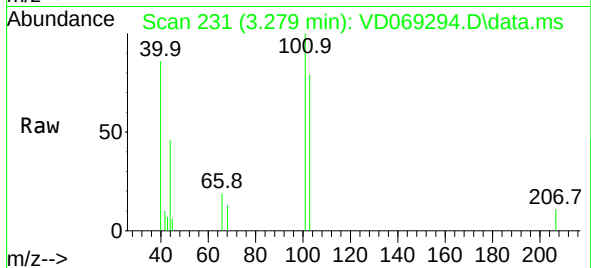
Tgt Ion: 85 Resp: 3196
 Ion Ratio Lower Upper
 85 100
 87 33.2 15.9 47.7



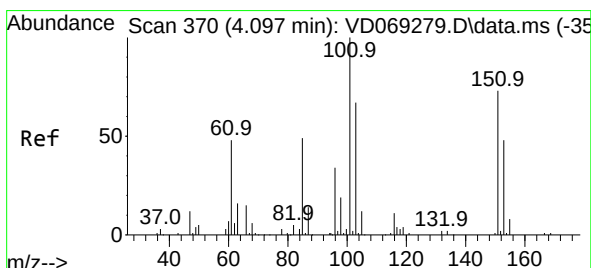
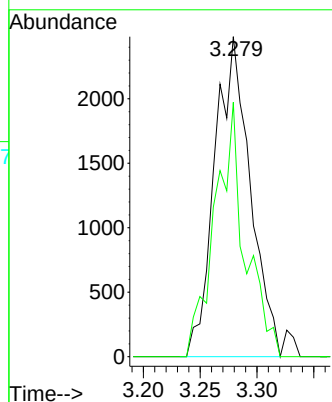
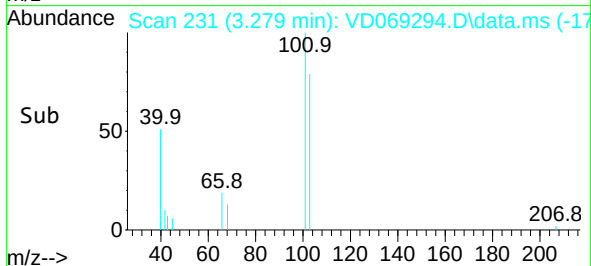


#7
 Trichlorofluoromethane
 Concen: 1.02 ug/l
 RT: 3.279 min Scan# 231
 Delta R.T. 0.006 min
 Lab File: VD069294.D
 Acq: 02 Jun 2021 11:39

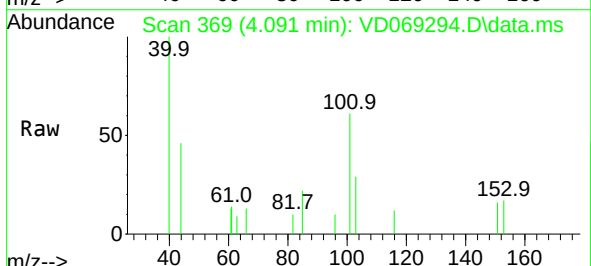
Instrument :
 MSVOA_D
 ClientSampled :



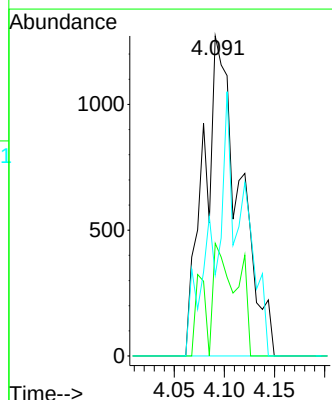
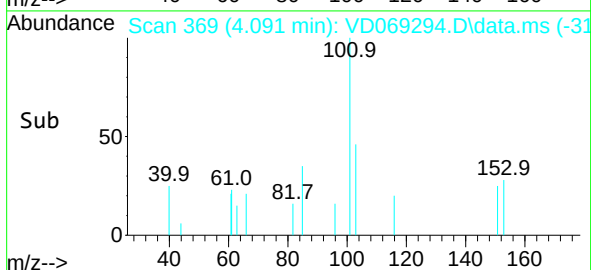
Tgt Ion:101 Resp: 5381
 Ion Ratio Lower Upper
 101 100
 103 79.5 51.0 76.4#

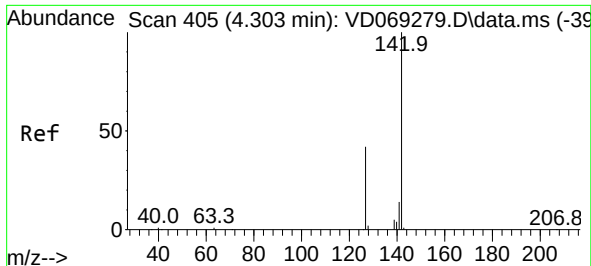


#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.02 ug/l
 RT: 4.091 min Scan# 369
 Delta R.T. -0.006 min
 Lab File: VD069294.D
 Acq: 02 Jun 2021 11:39



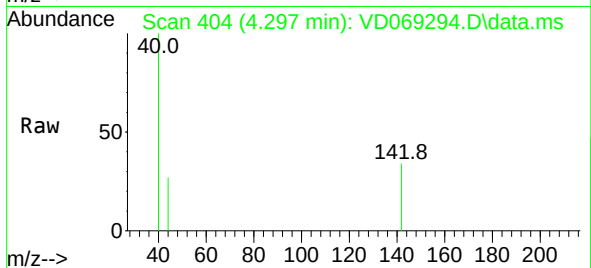
Tgt Ion:101 Resp: 3165
 Ion Ratio Lower Upper
 101 100
 85 23.2 35.1 52.7#
 151 47.0 60.2 90.2#



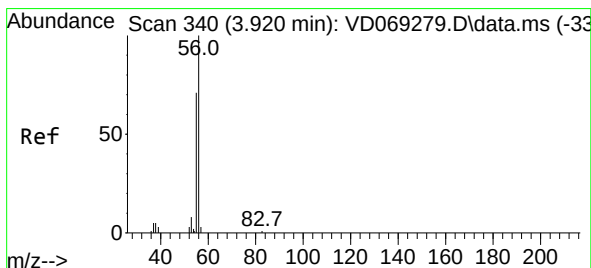
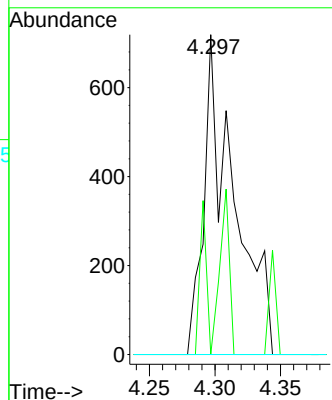
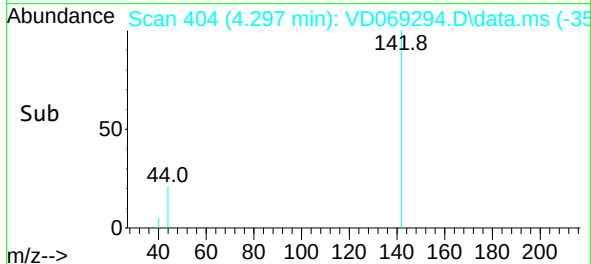


#10
Methyl Iodide
Concen: 2.85 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD069294.D
Acq: 02 Jun 2021 11:39

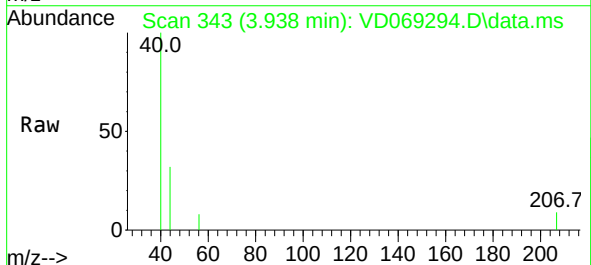
Instrument :
MSVOA_D
ClientSampleId :



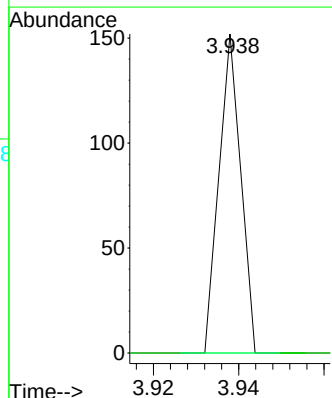
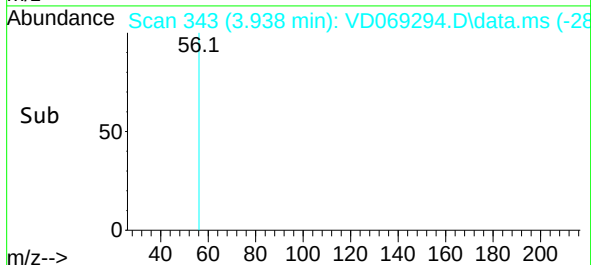
Tgt Ion:142 Resp: 1138
Ion Ratio Lower Upper
142 100
127 10.7 36.2 54.2#
141 0.0 12.2 18.2#

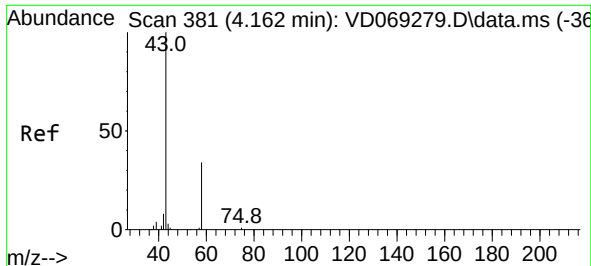


#13
Acrolein
Concen: 17.42 ug/l
RT: 3.938 min Scan# 343
Delta R.T. 0.018 min
Lab File: VD069294.D
Acq: 02 Jun 2021 11:39



Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 0.0 53.8 80.8#

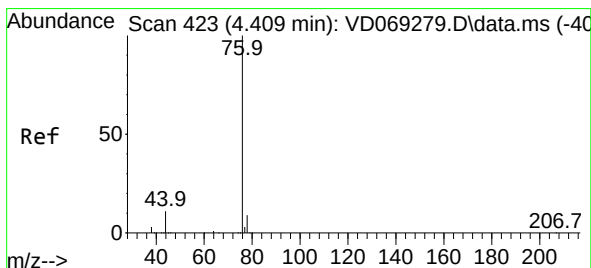
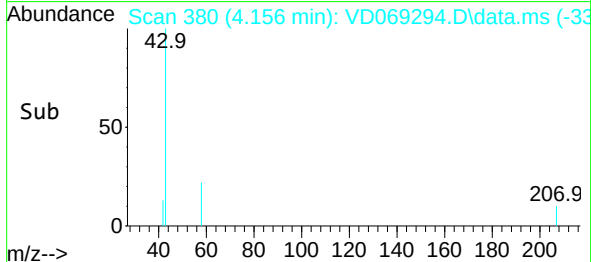
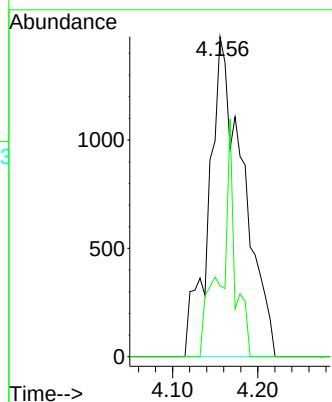
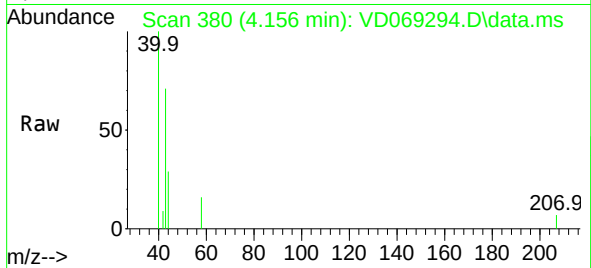




#16
Acetone
Concen: 8.79 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069294.D
Acq: 02 Jun 2021 11:39

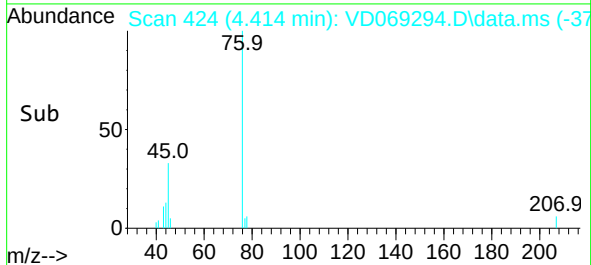
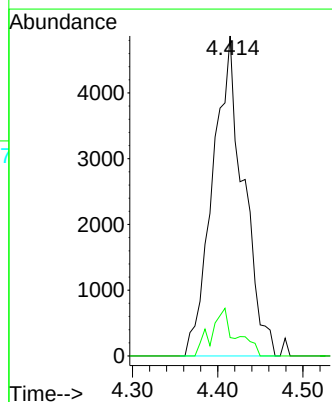
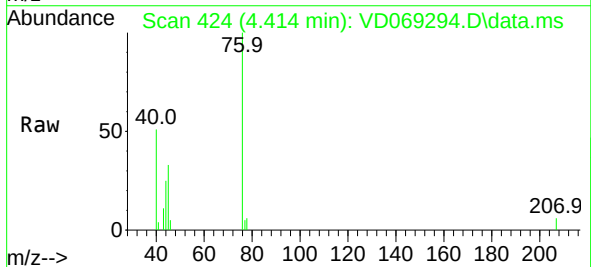
Instrument :
MSVOA_D
ClientSampled :

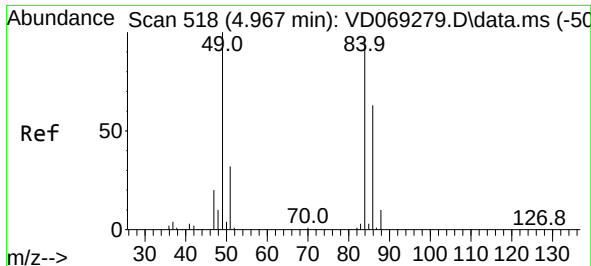
Tgt Ion: 43 Resp: 4125
Ion Ratio Lower Upper
43 100
58 22.2 27.5 41.3#



#17
Carbon Disulfide
Concen: 1.31 ug/l
RT: 4.414 min Scan# 424
Delta R.T. 0.006 min
Lab File: VD069294.D
Acq: 02 Jun 2021 11:39

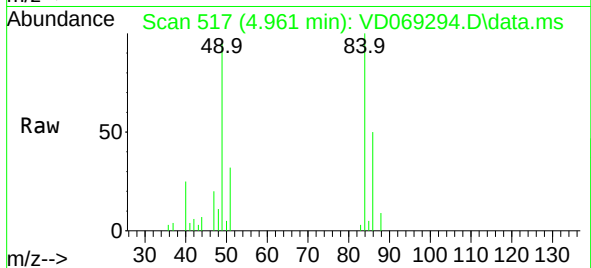
Tgt Ion: 76 Resp: 12194
Ion Ratio Lower Upper
76 100
78 5.7 7.4 11.0#



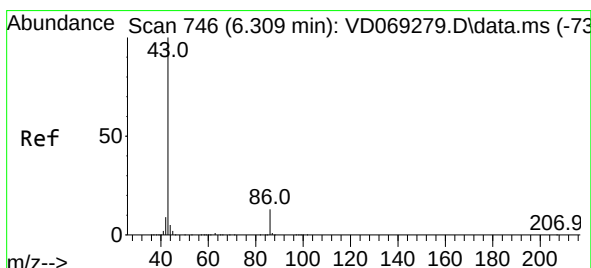
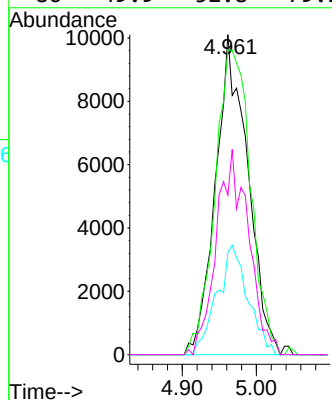
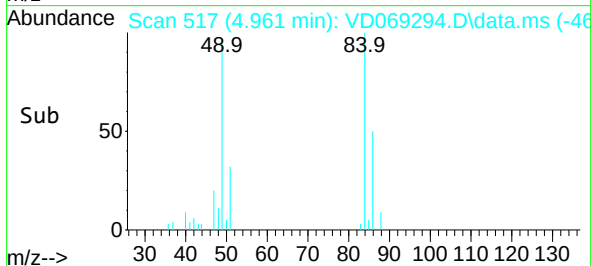


#20
Methylene Chloride
Concen: 2.40 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD069294.D
Acq: 02 Jun 2021 11:39

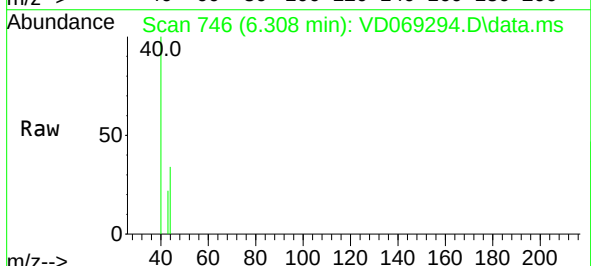
Instrument :
MSVOA_D
ClientSampled :



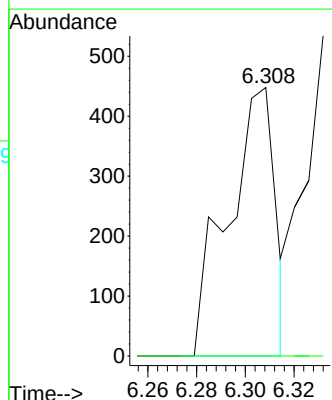
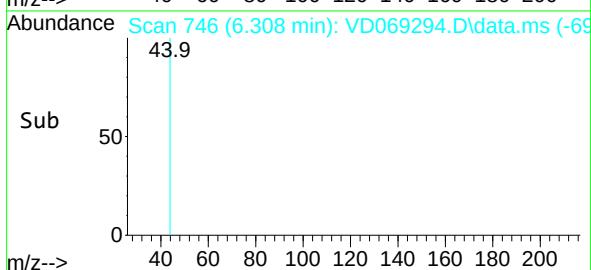
Tgt Ion:	84	Resp:	30323
Ion	Ratio	Lower	Upper
84	100		
49	95.2	83.7	125.5
51	31.8	26.4	39.6
86	49.9	52.8	79.2#

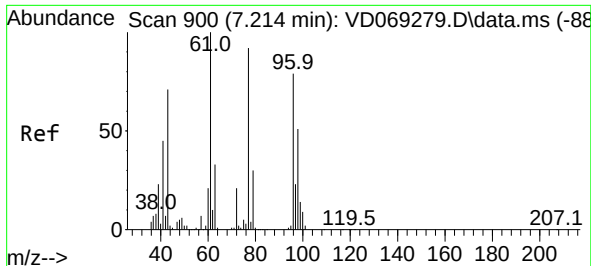


#23
Vinyl Acetate
Concen: 11.75 ug/l
RT: 6.308 min Scan# 746
Delta R.T. -0.001 min
Lab File: VD069294.D
Acq: 02 Jun 2021 11:39



Tgt Ion:	43	Resp:	604
Ion	Ratio	Lower	Upper
43	100		
86	0.0	10.5	15.7#

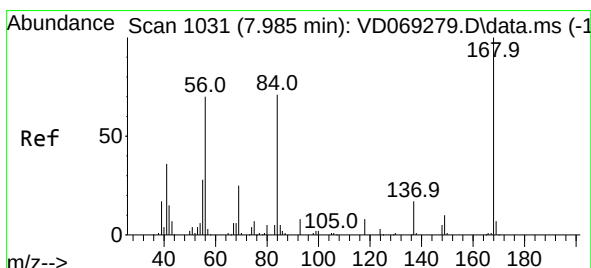
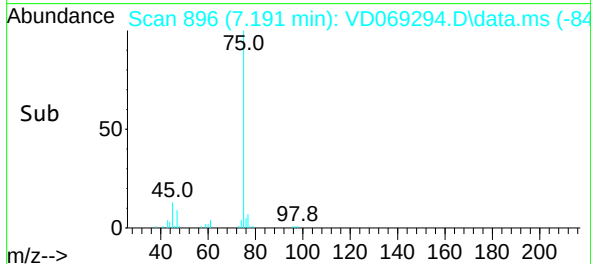
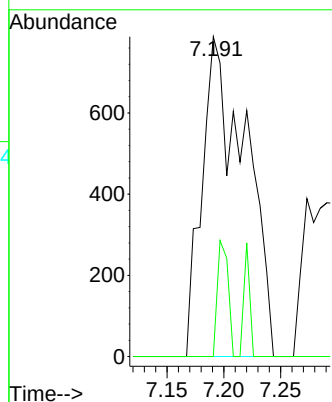
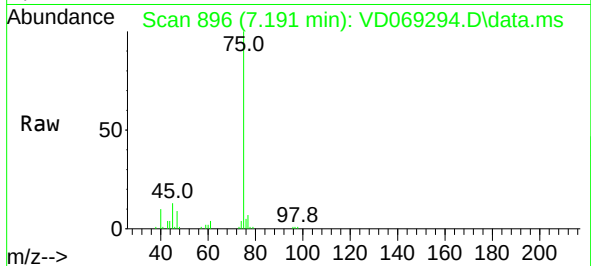




#25
2-Butanone
Concen: 3.38 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.024 min
Lab File: VD069294.D
Acq: 02 Jun 2021 11:39

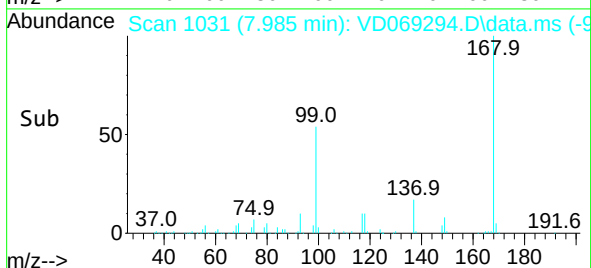
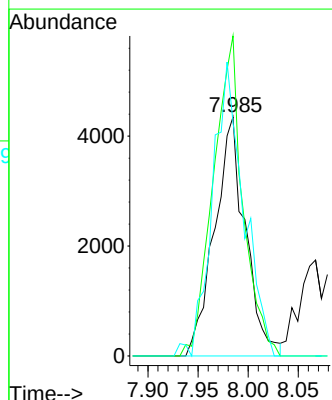
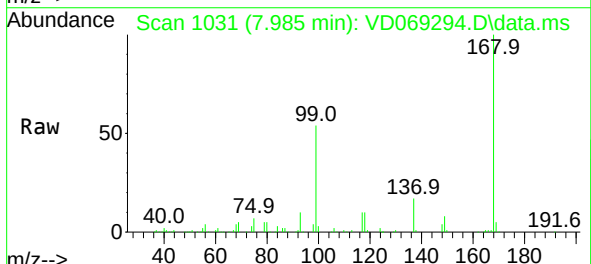
Instrument :
MSVOA_D
ClientSampled :

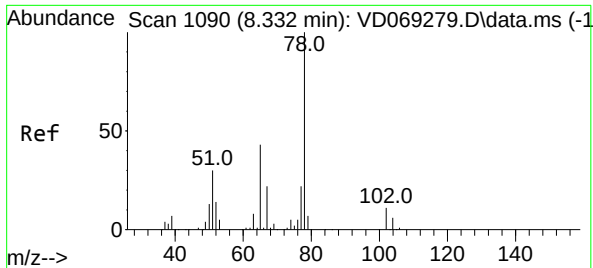
Tgt Ion: 43 Resp: 2084
Ion Ratio Lower Upper
43 100
72 0.0 23.9 35.9#



#31
Cyclohexane
Concen: 2.18 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD069294.D
Acq: 02 Jun 2021 11:39

Tgt Ion: 56 Resp: 9294
Ion Ratio Lower Upper
56 100
69 133.8 29.0 43.4#
84 97.7 81.1 121.7

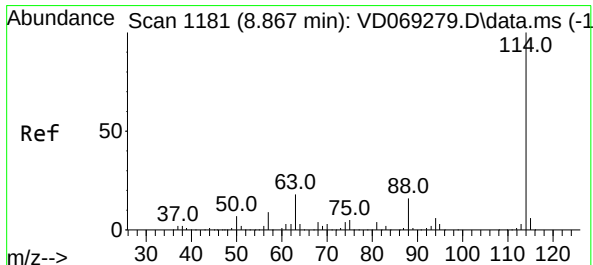
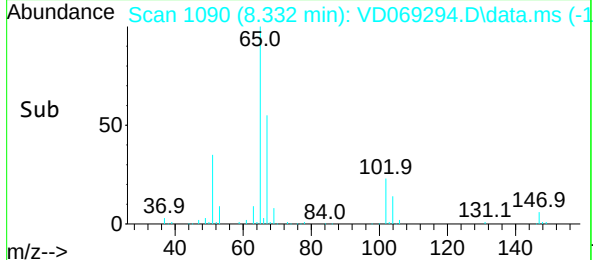
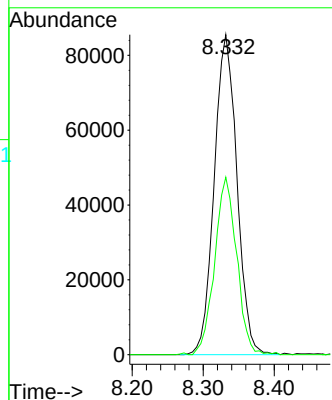
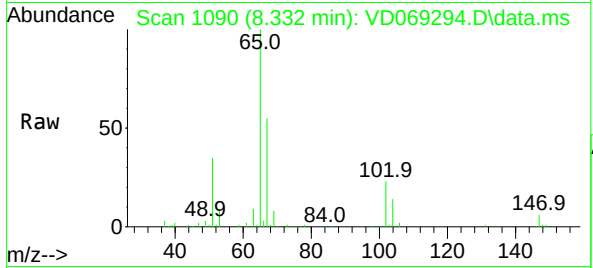




#33
1,2-Dichloroethane-d4
Concen: 70.62 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069294.D
Acq: 02 Jun 2021 11:39

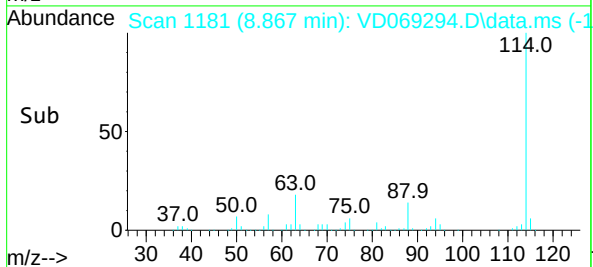
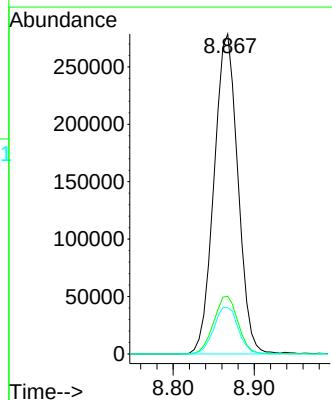
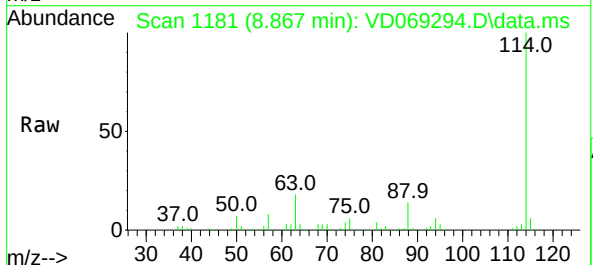
Instrument :
MSVOA_D
ClientSampleId :

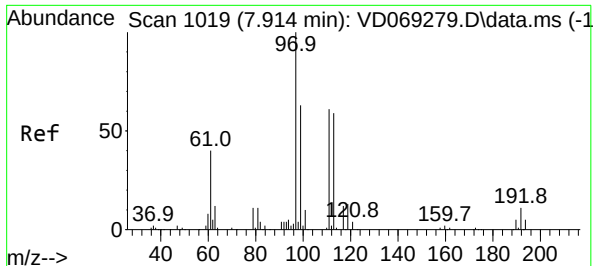
Tgt Ion: 65 Resp: 189882
Ion Ratio Lower Upper
65 100
67 53.8 0.0 105.8



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069294.D
Acq: 02 Jun 2021 11:39

Tgt Ion: 114 Resp: 568179
Ion Ratio Lower Upper
114 100
63 18.1 0.0 35.6
88 14.5 0.0 31.2





#35

Dibromofluoromethane

Concen: 58.76 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069294.D

Acq: 02 Jun 2021 11:39

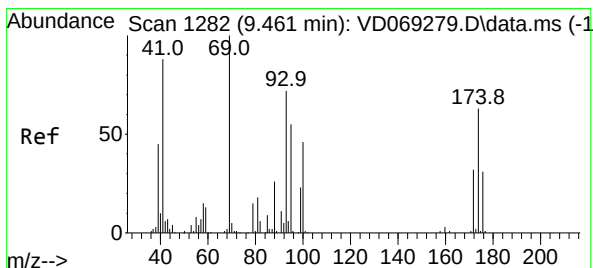
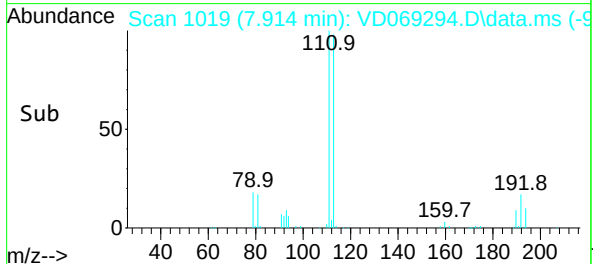
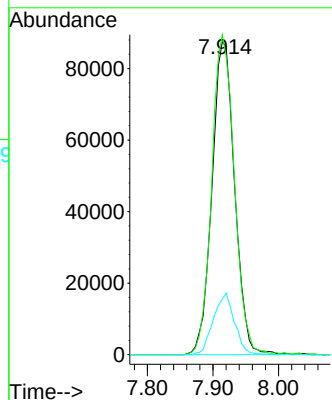
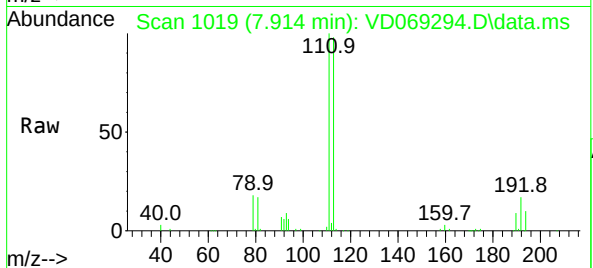
Tgt Ion:113 Resp: 209652

Ion Ratio Lower Upper

113 100

111 101.9 83.0 124.6

192 18.3 15.1 22.7



#49

1,4-Dioxane

Concen: 3.68 ug/l

RT: 9.467 min Scan# 1283

Delta R.T. 0.006 min

Lab File: VD069294.D

Acq: 02 Jun 2021 11:39

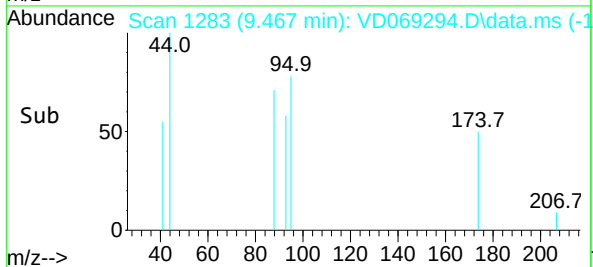
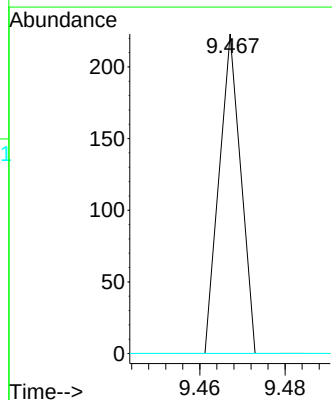
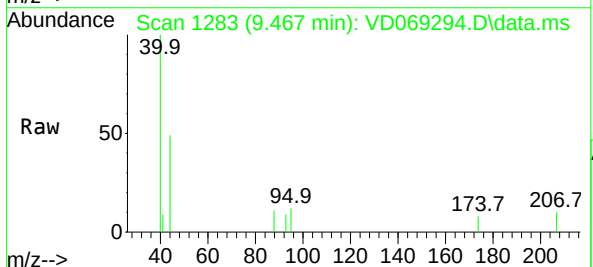
Tgt Ion: 88 Resp: 79

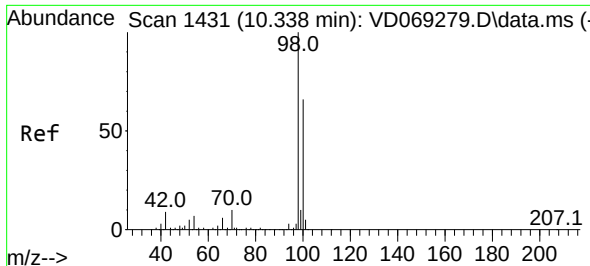
Ion Ratio Lower Upper

88 100

43 0.0 25.4 38.2#

58 0.0 50.2 75.4#

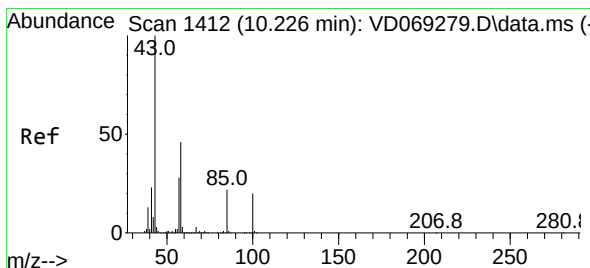
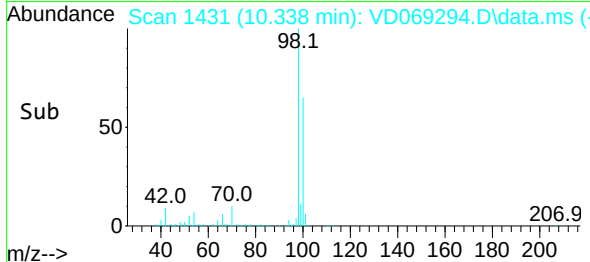
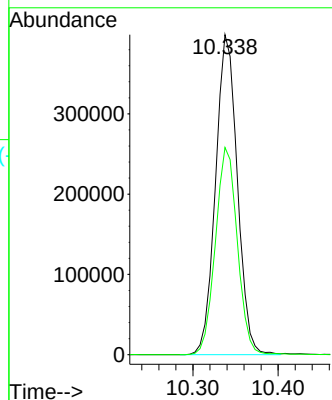
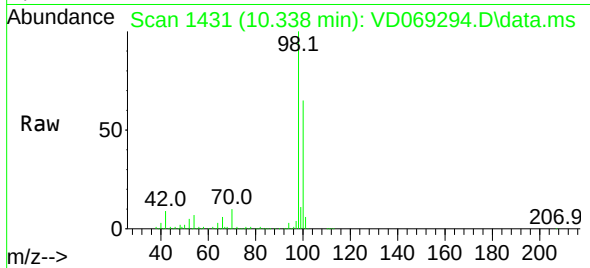




#50
Toluene-d8
Concen: 54.57 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069294.D
Acq: 02 Jun 2021 11:39

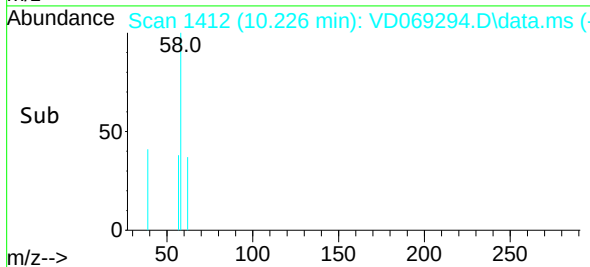
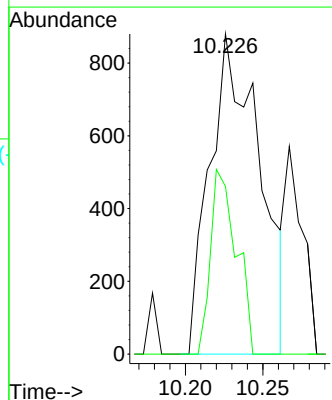
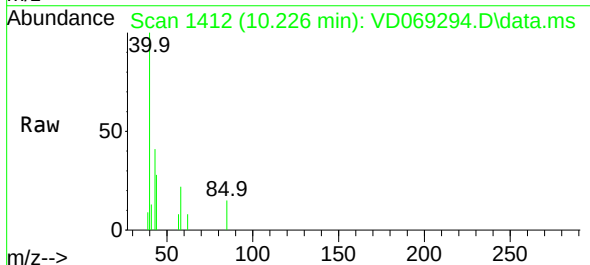
Instrument :
MSVOA_D
ClientSampleId :

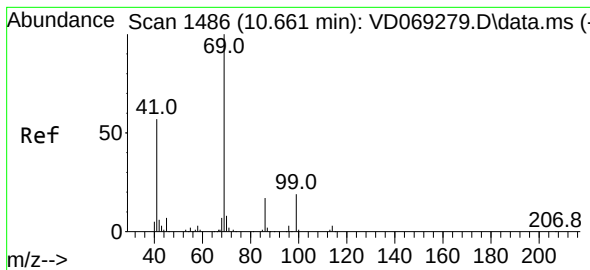
Tgt Ion: 98 Resp: 708003
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.11 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD069294.D
Acq: 02 Jun 2021 11:39

Tgt Ion: 43 Resp: 1960
Ion Ratio Lower Upper
43 100
58 30.1 35.1 52.7#

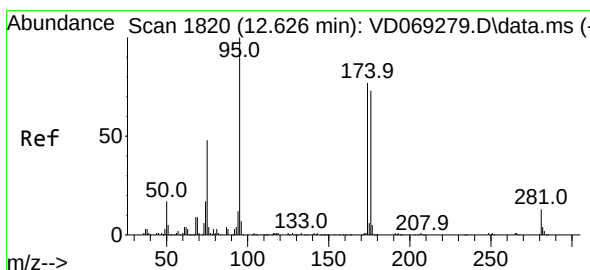
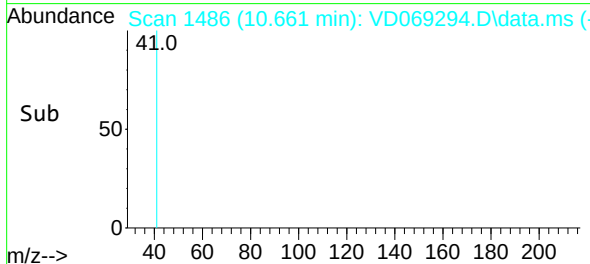
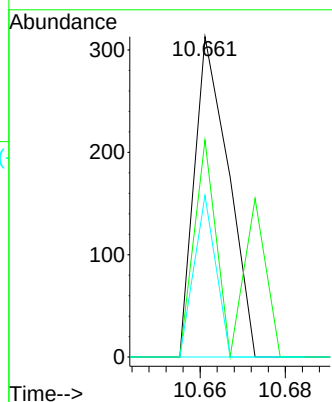
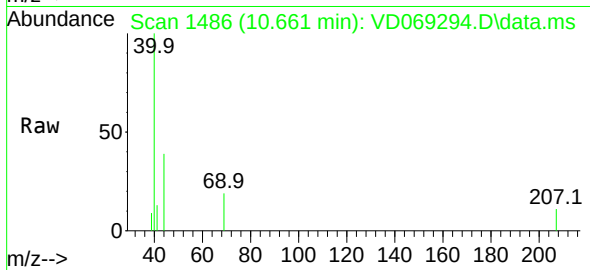




#56
Ethyl methacrylate
Concen: 2.69 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VD069294.D
Acq: 02 Jun 2021 11:39

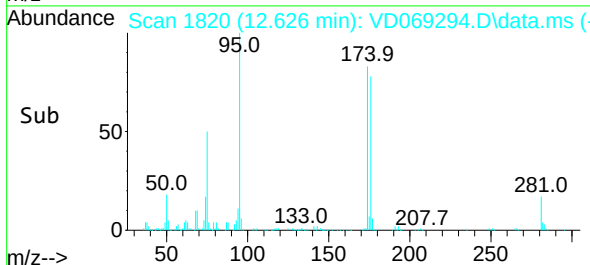
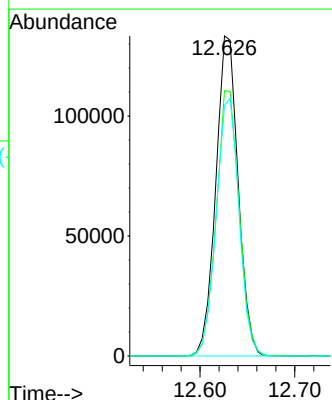
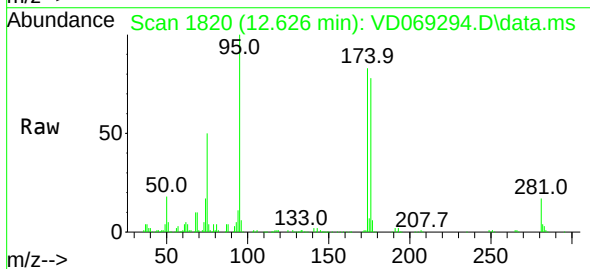
Instrument :
MSVOA_D
ClientSampleId :

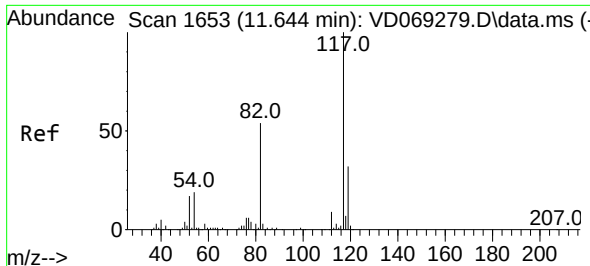
Tgt Ion:	69	Resp:	173
Ion	Ratio	Lower	Upper
69	100		
41	75.1	45.4	68.2#
39	32.4	21.7	32.5



#62
4-Bromofluorobenzene
Concen: 51.44 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069294.D
Acq: 02 Jun 2021 11:39

Tgt Ion:	95	Resp:	218677
Ion	Ratio	Lower	Upper
95	100		
174	85.3	0.0	162.8
176	82.3	0.0	154.4

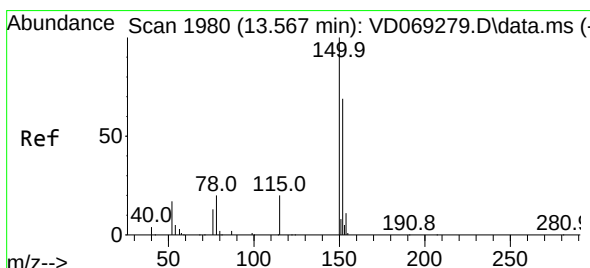
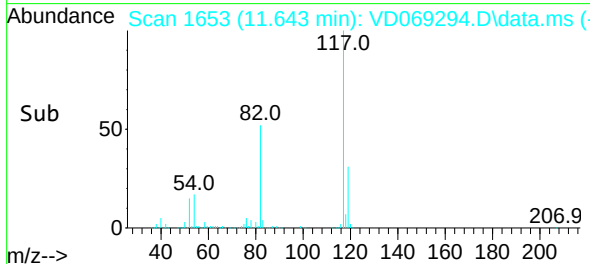
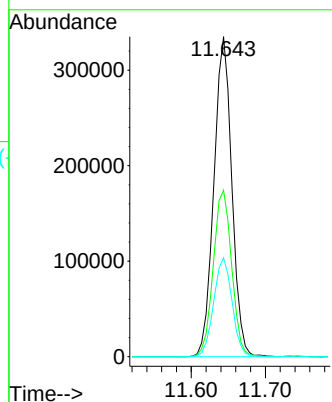
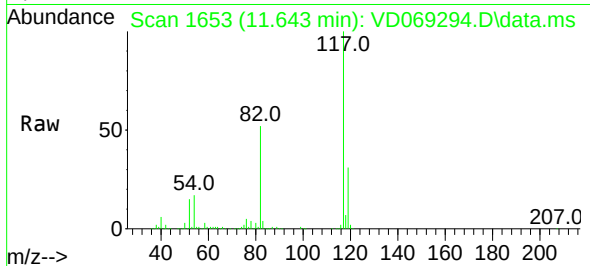




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD069294.D
Acq: 02 Jun 2021 11:39

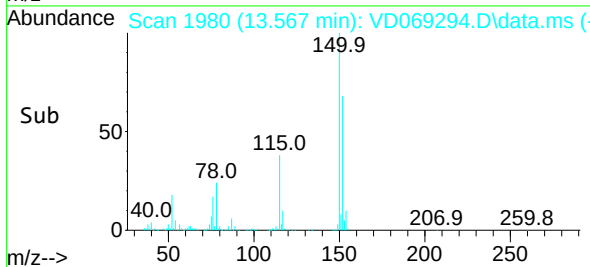
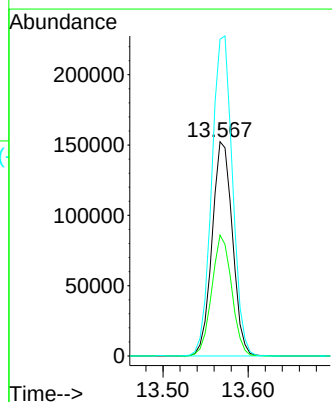
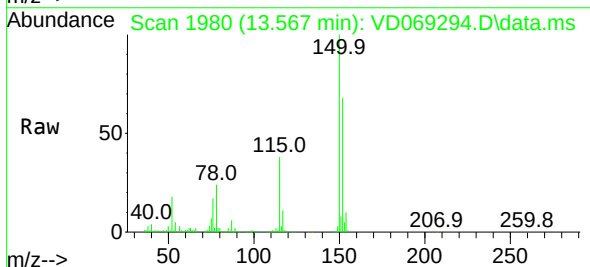
Instrument :
MSVOA_D
ClientSampleId :

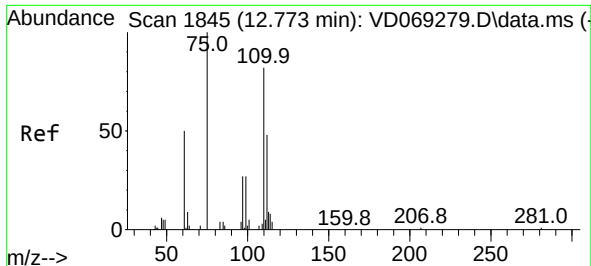
Tgt Ion:	117	Resp:	563834
Ion Ratio	Lower	Upper	
117	100		
82	52.0	43.3	64.9
119	30.9	25.3	37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069294.D
Acq: 02 Jun 2021 11:39

Tgt Ion:	152	Resp:	253134
Ion Ratio	Lower	Upper	
152	100		
115	55.4	29.4	88.3
150	152.5	0.0	355.0

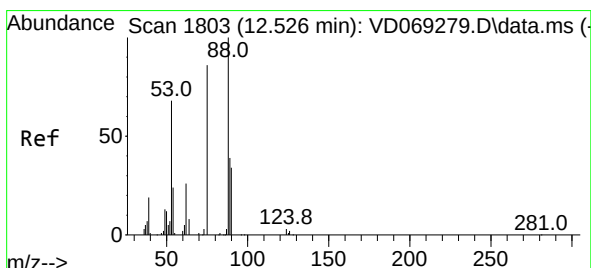
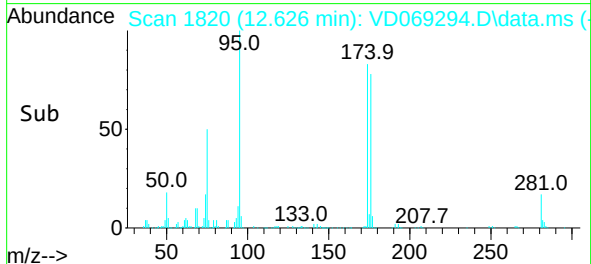
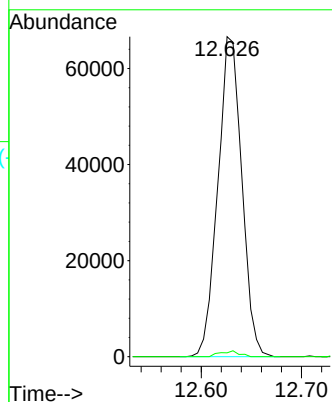
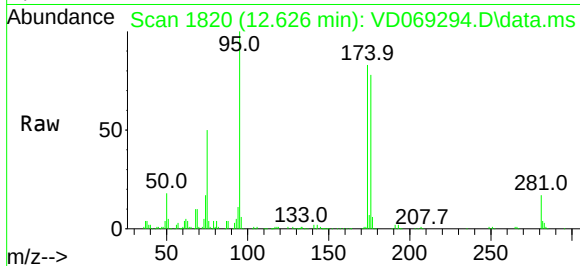




#76
1,2,3-Trichloropropane
Concen: 50.11 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069294.D
Acq: 02 Jun 2021 11:39

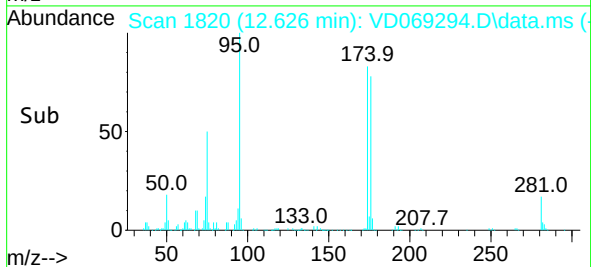
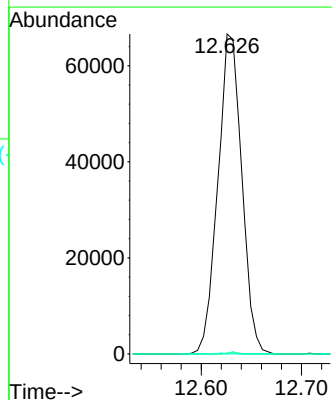
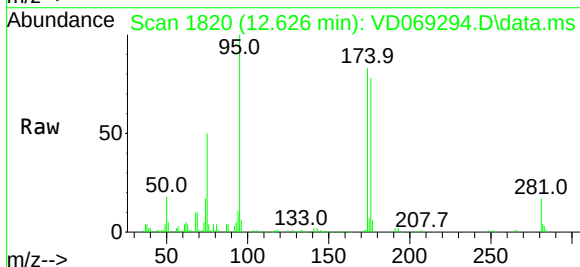
Instrument :
MSVOA_D
ClientSampled :

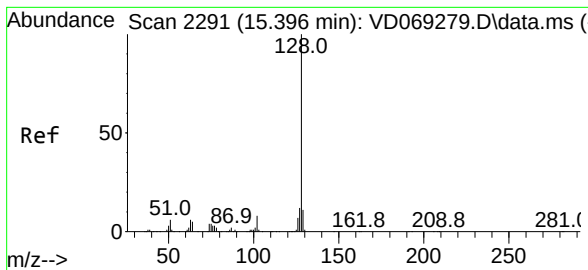
Tgt Ion: 75 Resp: 110199
Ion Ratio Lower Upper
75 100
77 1.4 183.8 551.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.04 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069294.D
Acq: 02 Jun 2021 11:39

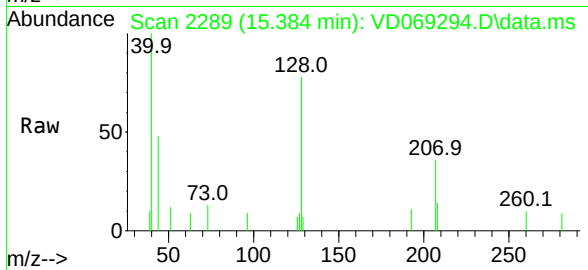
Tgt Ion: 75 Resp: 110199
Ion Ratio Lower Upper
75 100
53 0.2 62.6 94.0#
89 0.2 35.6 53.4#





#95
Naphthalene
Concen: 3.71 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.012 min
Lab File: VD069294.D
Acq: 02 Jun 2021 11:39

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 3811
Ion Ratio Lower Upper
128 100
127 18.8 10.4 15.6#
129 5.3 8.8 13.2#

