

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060821\
 Data File : VD069384.D
 Acq On : 08 Jun 2021 11:25
 Operator : VA/SY
 Sample : VY0608SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 09 02:07:36 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)

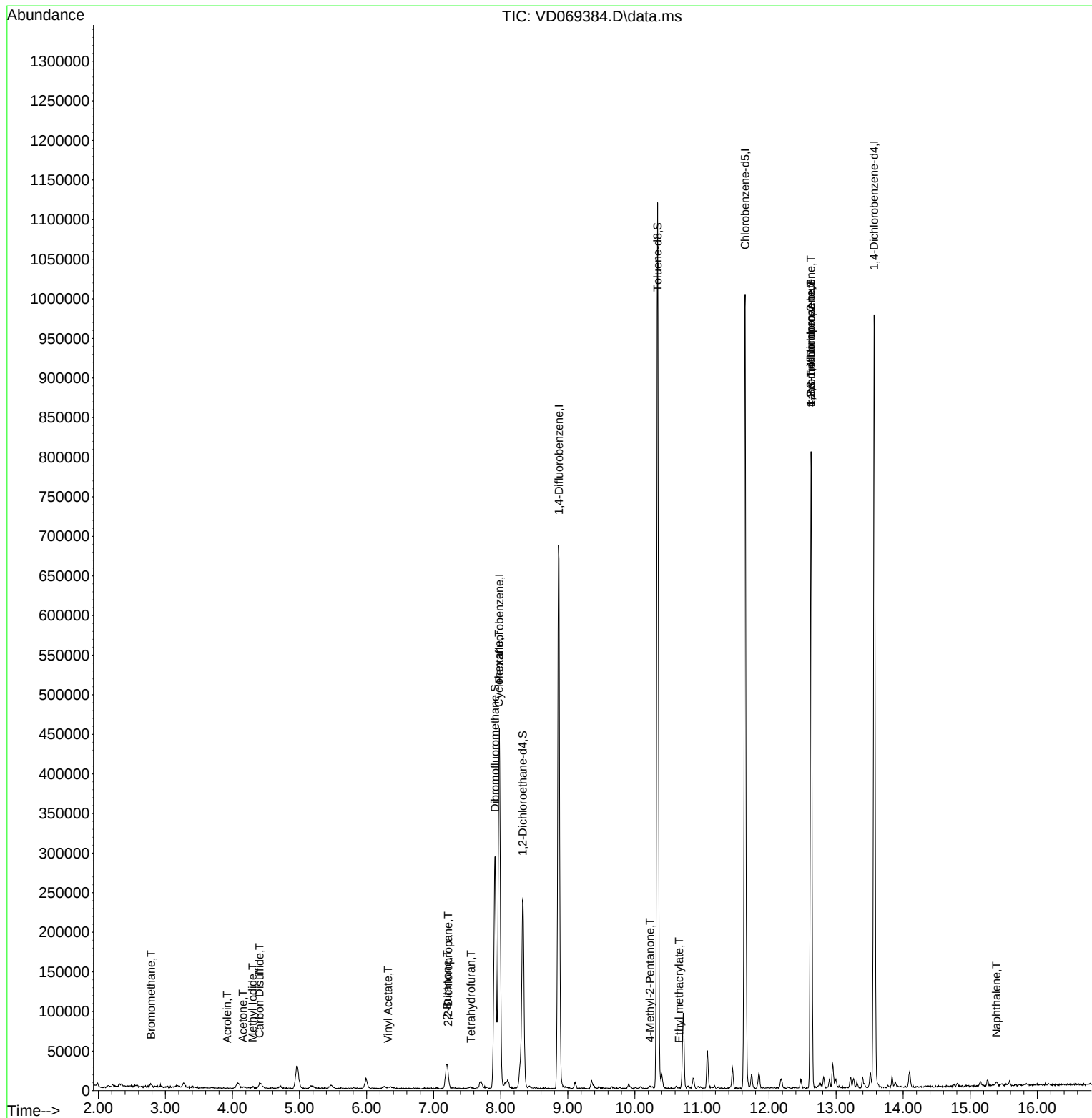
Internal Standards						
1) Pentafluorobenzene	7.979	168	337112	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	609486	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	605866	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	268450	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	188344	58.227	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.460%
35) Dibromofluoromethane	7.914	113	208069	54.363	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.720%
50) Toluene-d8	10.338	98	766447	55.069	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	110.140%
62) 4-Bromofluorobenzene	12.626	95	240151	52.659	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	105.320%
Target Compounds						
						Qvalue
5) Bromomethane	2.785	94	2483	1.247	ug/l	93
10) Methyl Iodide	4.303	142	2489	3.130	ug/l #	65
11) Tert butyl alcohol	5.185	59	2373	Below Cal	#	73
13) Acrolein	3.920	56	129	17.701	ug/l #	59
16) Acetone	4.156	43	3986	7.061	ug/l #	74
17) Carbon Disulfide	4.403	76	13265	1.186	ug/l	99
20) Methylene Chloride	4.967	84	24731	Below Cal		93
23) Vinyl Acetate	6.320	43	1634	11.923	ug/l #	67
25) 2-Butanone	7.203	43	1828	2.461	ug/l	91
26) 2,2-Dichloropropane	7.214	77	6060	1.003	ug/l #	69
29) Tetrahydrofuran	7.556	42	823	1.928	ug/l #	39
31) Cyclohexane	7.973	56	10035	1.952	ug/l #	54
51) 4-Methyl-2-Pentanone	10.226	43	2395	1.267	ug/l #	78
56) Ethyl methacrylate	10.661	69	515	2.769	ug/l #	76
76) 1,2,3-Trichloropropane	12.626	75	120836	51.808	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	120836	114.807	ug/l #	18
95) Naphthalene	15.390	128	4696	3.781	ug/l #	93

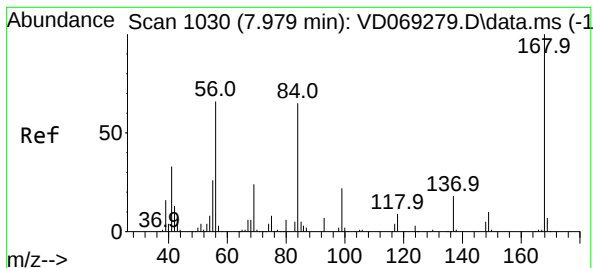
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 09 02:07:36 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

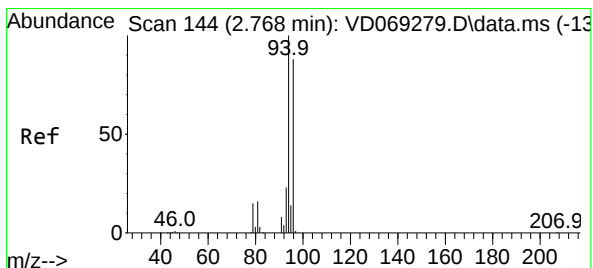
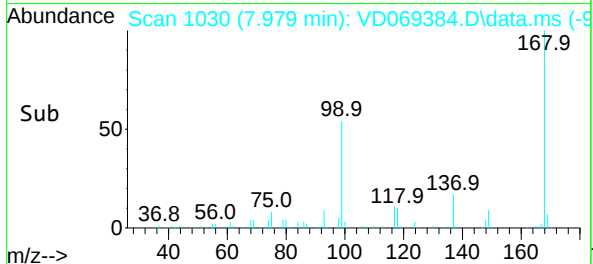
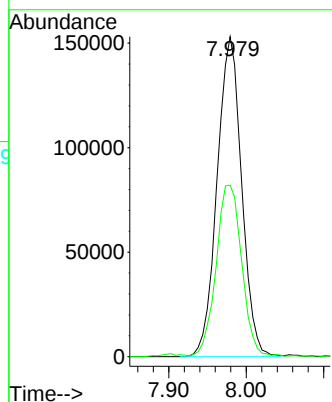
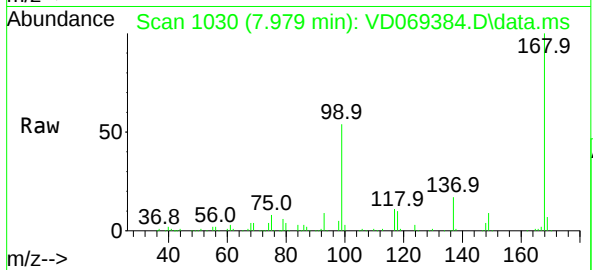




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069384.D
Acq: 08 Jun 2021 11:25

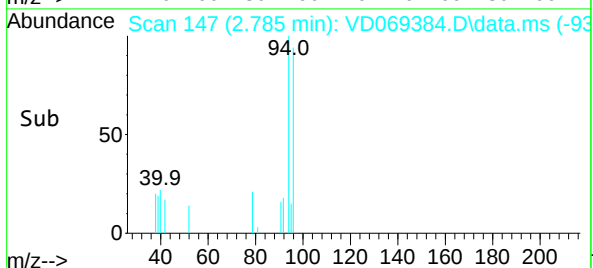
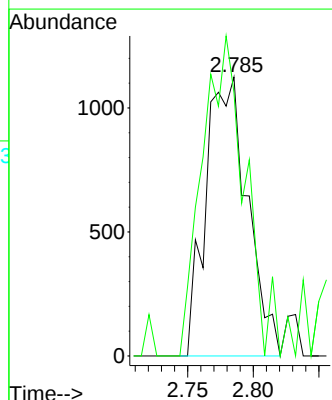
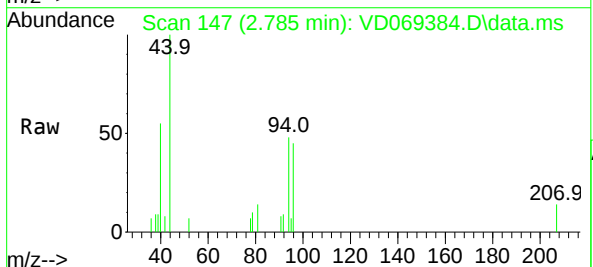
Instrument :
MSVOA_D
ClientSampled :

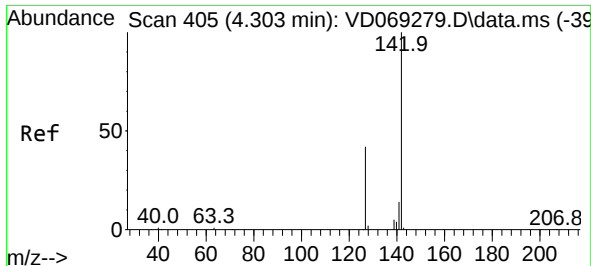
Tgt Ion:168 Resp: 337112
Ion Ratio Lower Upper
168 100
99 53.1 46.2 69.2



#5
Bromomethane
Concen: 1.247 ug/l
RT: 2.785 min Scan# 147
Delta R.T. 0.018 min
Lab File: VD069384.D
Acq: 08 Jun 2021 11:25

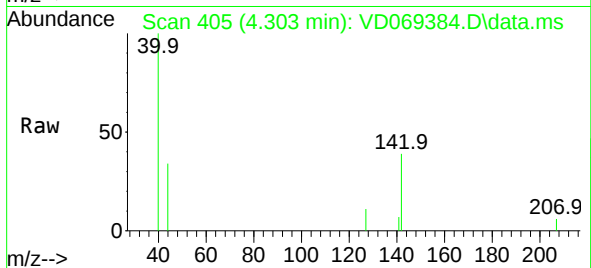
Tgt Ion: 94 Resp: 2483
Ion Ratio Lower Upper
94 100
96 94.5 70.3 105.5



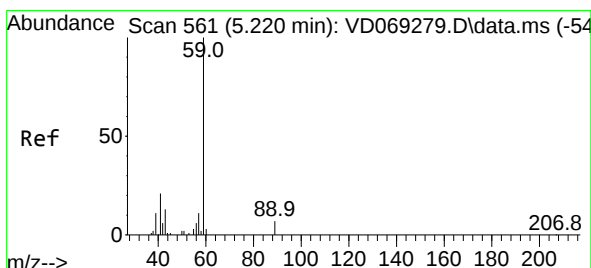
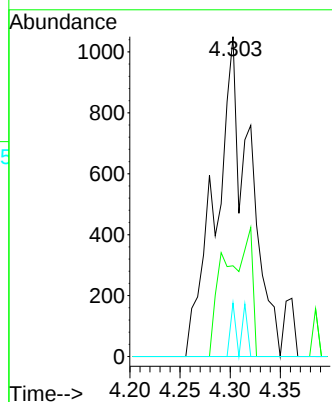
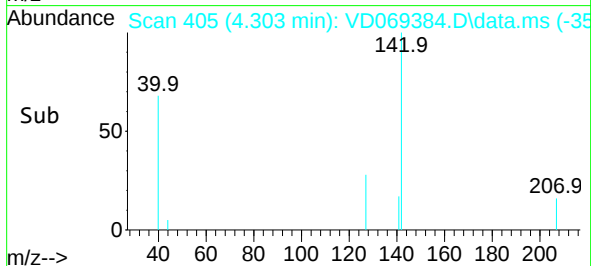


#10
Methyl Iodide
Concen: 3.130 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD069384.D
Acq: 08 Jun 2021 11:25

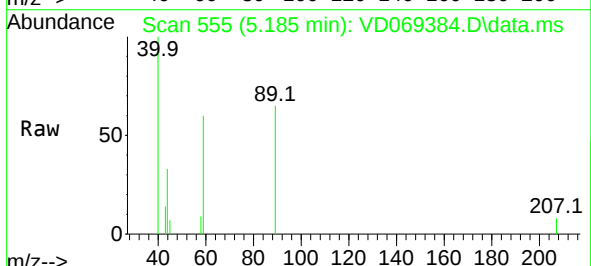
Instrument :
MSVOA_D
ClientSampled :



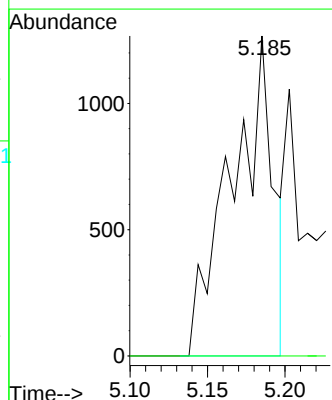
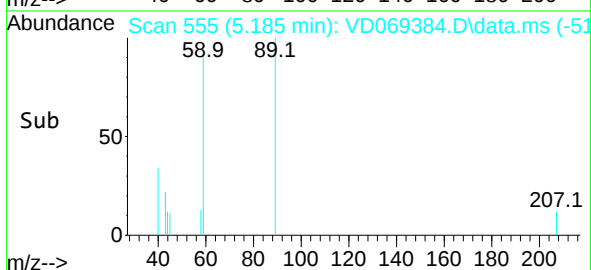
Tgt Ion:142 Resp: 2489
Ion Ratio Lower Upper
142 100
127 20.0 36.2 54.2#
141 4.9 12.2 18.2#

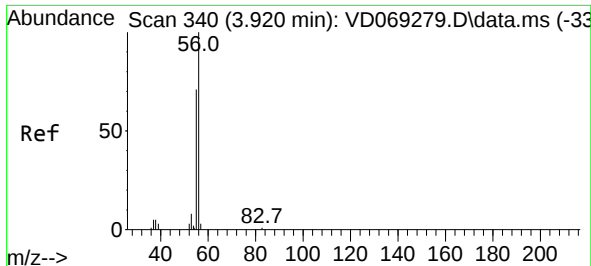


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.185 min Scan# 555
Delta R.T. -0.035 min
Lab File: VD069384.D
Acq: 08 Jun 2021 11:25



Tgt Ion: 59 Resp: 2373
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

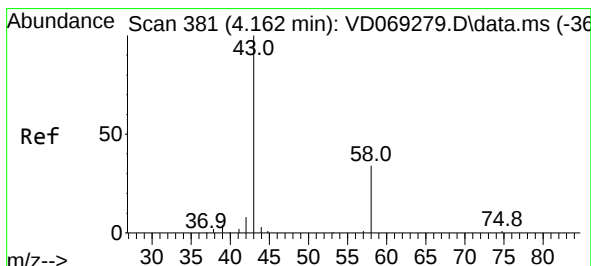
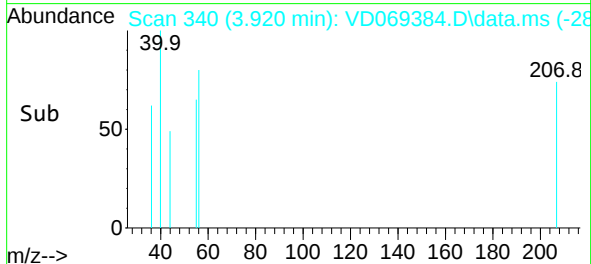
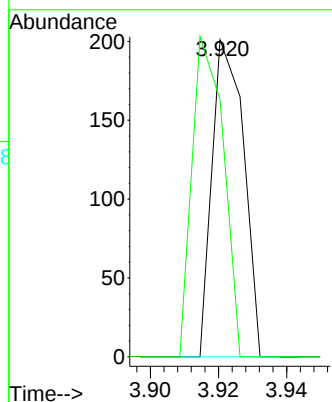
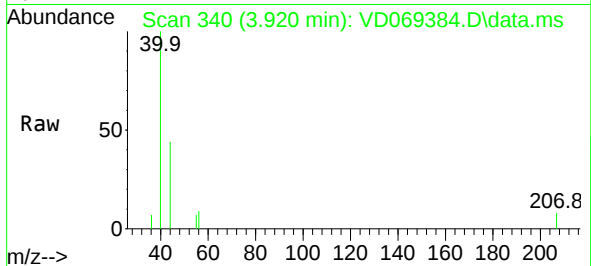




#13
Acrolein
Concen: 17.701 ug/l
RT: 3.920 min Scan# 340
Delta R.T. 0.000 min
Lab File: VD069384.D
Acq: 08 Jun 2021 11:25

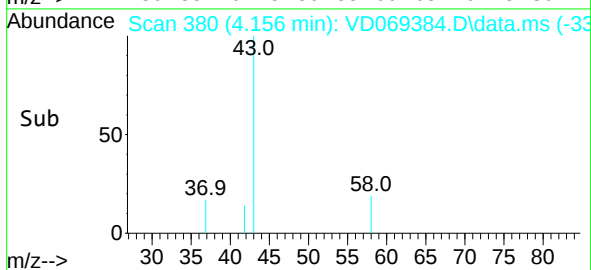
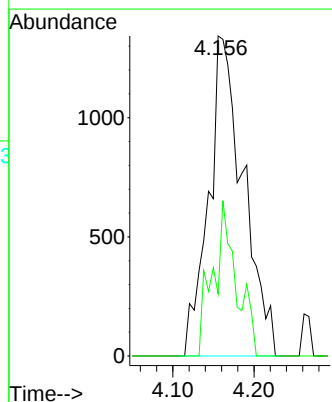
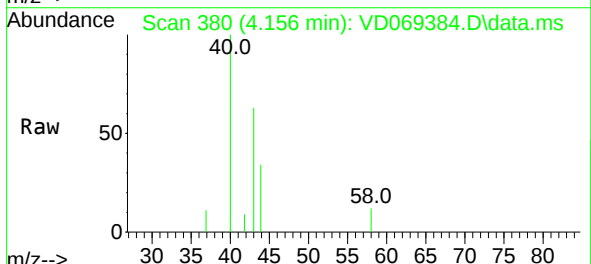
Instrument :
MSVOA_D
ClientSampleId :

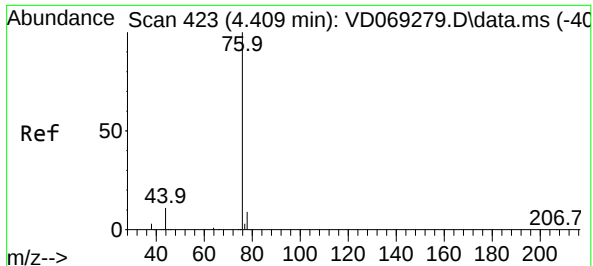
Tgt Ion: 56 Resp: 129
Ion Ratio Lower Upper
56 100
55 100.0 53.8 80.8#



#16
Acetone
Concen: 7.061 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069384.D
Acq: 08 Jun 2021 11:25

Tgt Ion: 43 Resp: 3986
Ion Ratio Lower Upper
43 100
58 19.4 27.5 41.3#

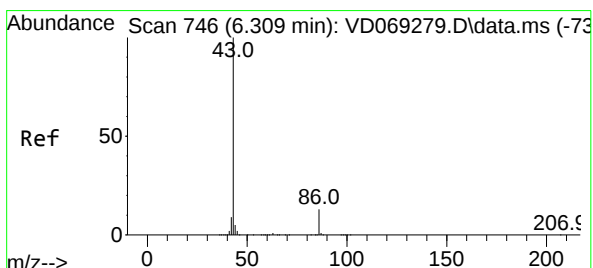
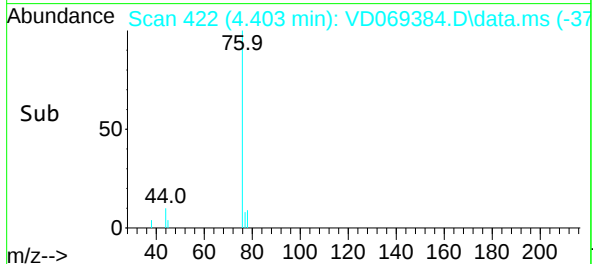
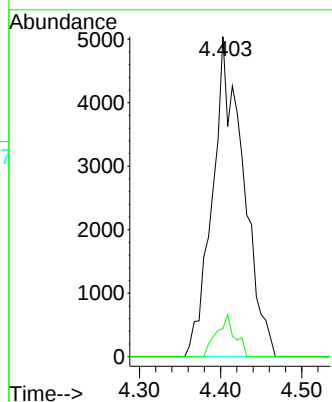
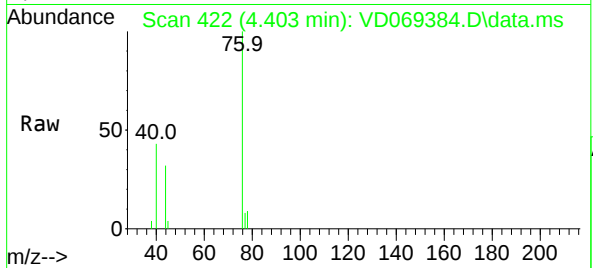




#17
Carbon Disulfide
Concen: 1.186 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD069384.D
Acq: 08 Jun 2021 11:25

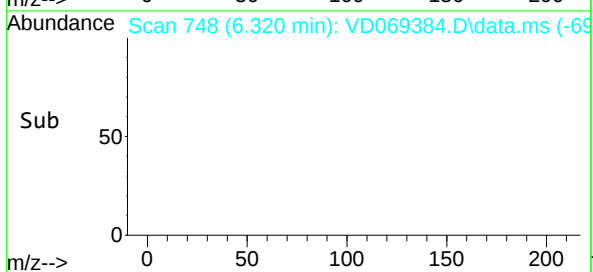
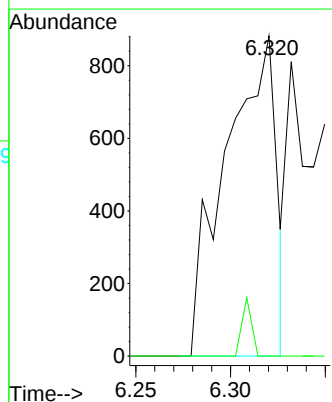
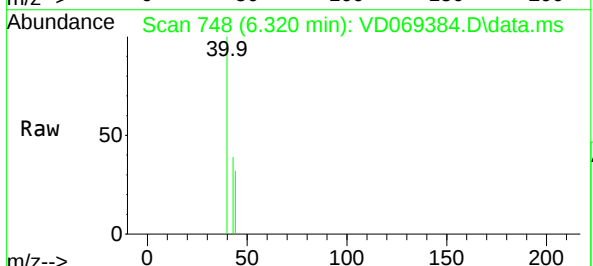
Instrument :
MSVOA_D
ClientSampleId :

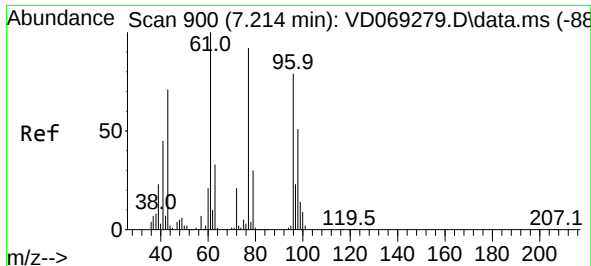
Tgt Ion: 76 Resp: 13265
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0



#23
Vinyl Acetate
Concen: 11.923 ug/l
RT: 6.320 min Scan# 748
Delta R.T. 0.011 min
Lab File: VD069384.D
Acq: 08 Jun 2021 11:25

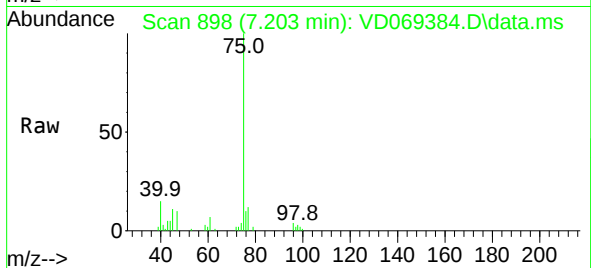
Tgt Ion: 43 Resp: 1634
Ion Ratio Lower Upper
43 100
86 0.0 10.5 15.7#



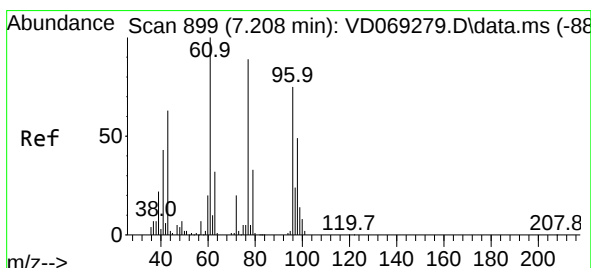
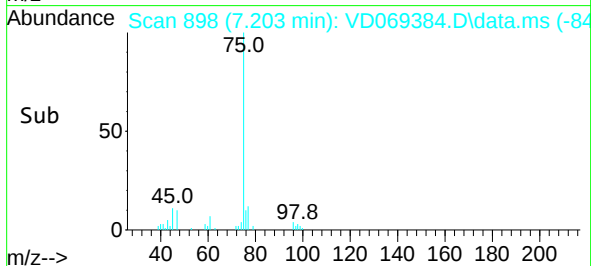
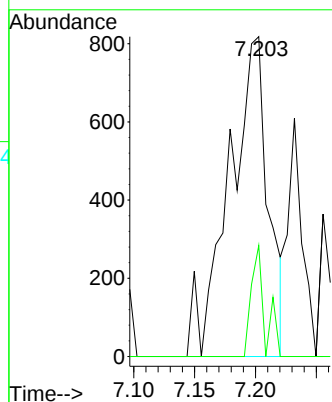


#25
2-Butanone
Concen: 2.461 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.012 min
Lab File: VD069384.D
Acq: 08 Jun 2021 11:25

Instrument :
MSVOA_D
ClientSampleId :

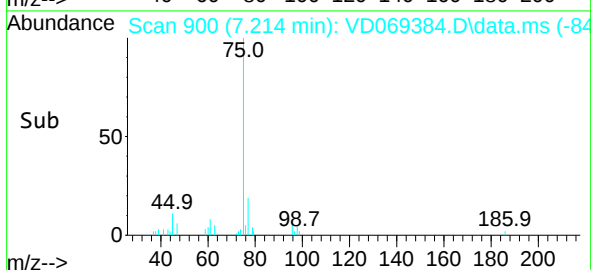
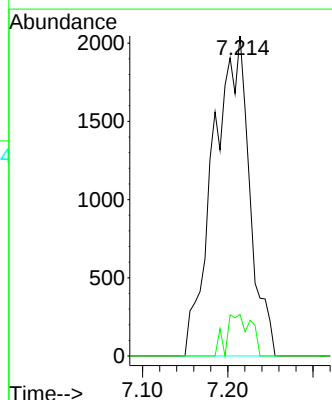
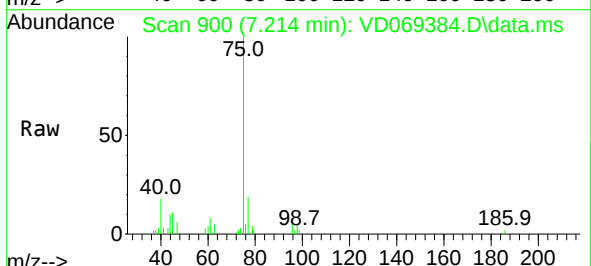


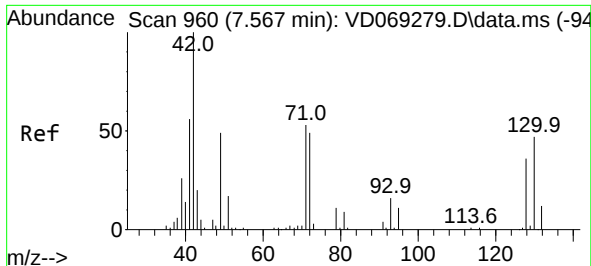
Tgt Ion: 43 Resp: 1828
Ion Ratio Lower Upper
43 100
72 34.7 23.9 35.9



#26
2,2-Dichloropropane
Concen: 1.003 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.006 min
Lab File: VD069384.D
Acq: 08 Jun 2021 11:25

Tgt Ion: 77 Resp: 6060
Ion Ratio Lower Upper
77 100
97 8.9 12.1 36.3#





#29

Tetrahydrofuran

Concen: 1.928 ug/l

RT: 7.556 min Scan# 958

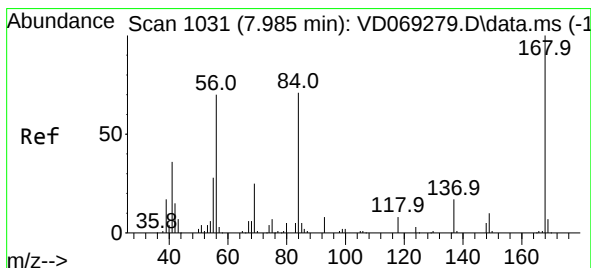
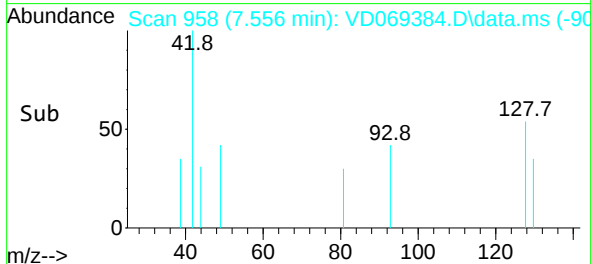
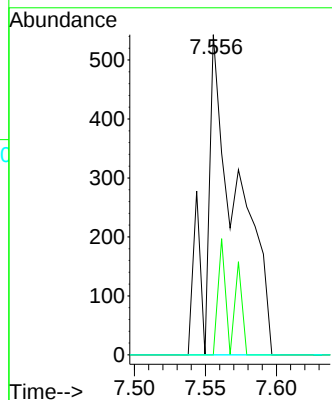
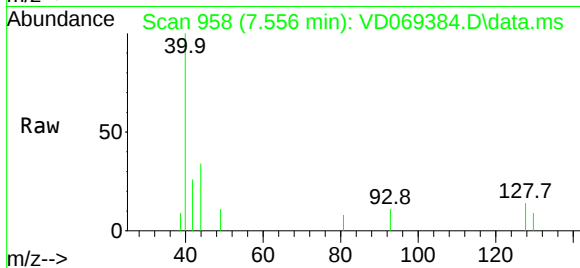
Delta R.T. -0.012 min

Lab File: VD069384.D

Acq: 08 Jun 2021 11:25

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:	42	Resp:	823
Ion	Ratio	Lower	Upper
42	100		
72	15.2	41.0	61.6#
71	0.0	38.9	58.3#



#31

Cyclohexane

Concen: 1.952 ug/l

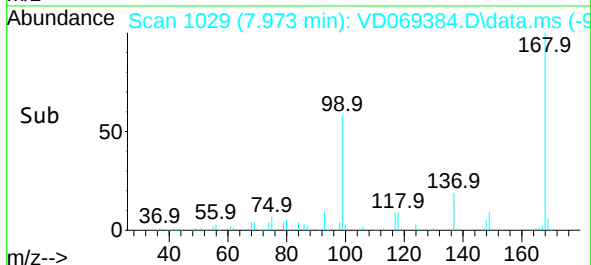
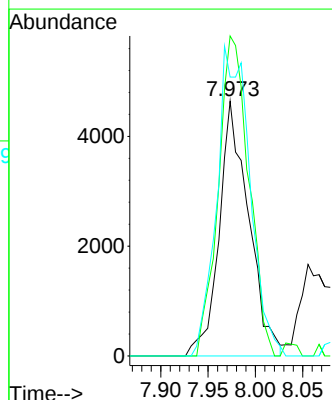
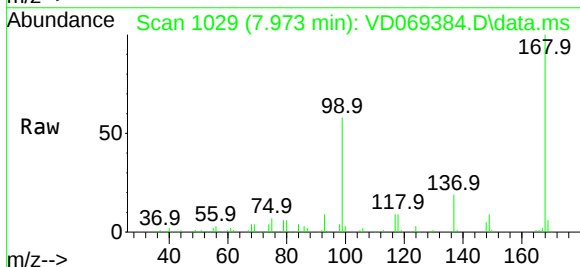
RT: 7.973 min Scan# 1029

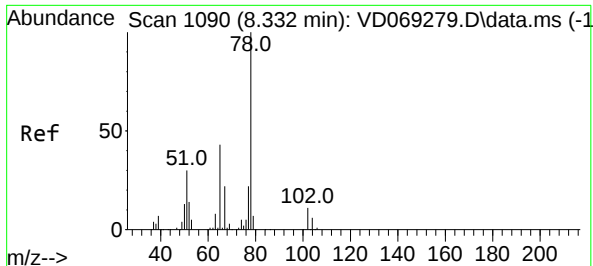
Delta R.T. -0.012 min

Lab File: VD069384.D

Acq: 08 Jun 2021 11:25

Tgt Ion:	56	Resp:	10035
Ion	Ratio	Lower	Upper
56	100		
69	125.7	29.0	43.4#
84	109.5	81.1	121.7



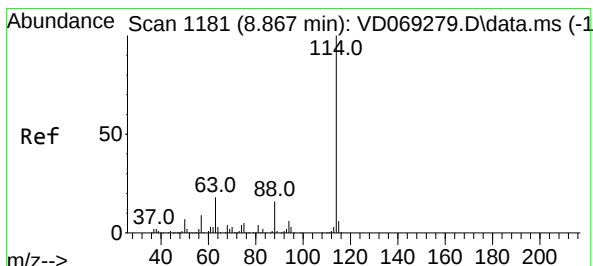
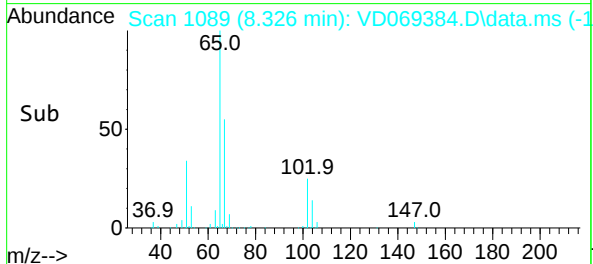
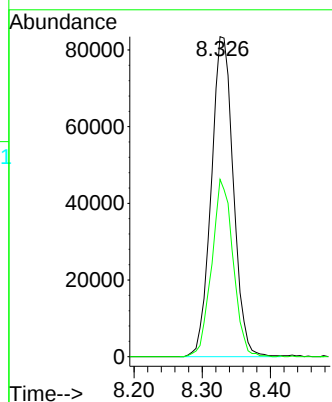
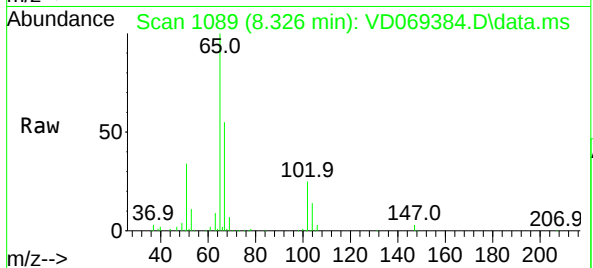


#33

1,2-Dichloroethane-d4
Concen: 58.227 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069384.D
Acq: 08 Jun 2021 11:25

Instrument :
MSVOA_D
ClientSampleId :

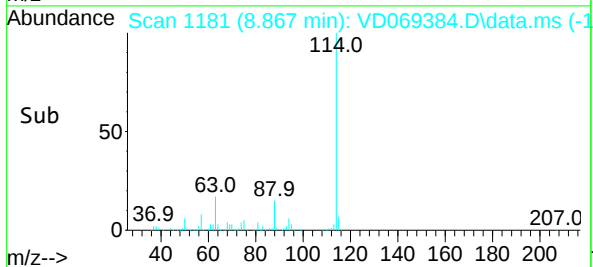
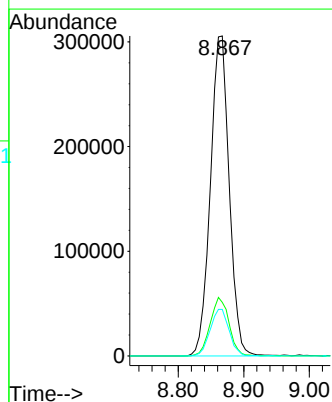
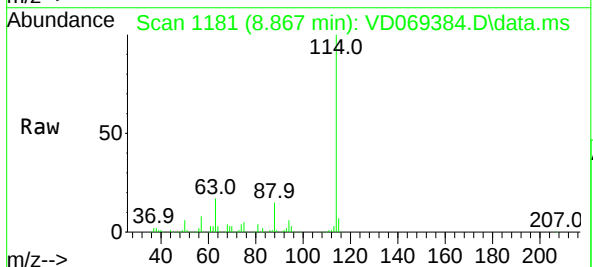
Tgt Ion: 65 Resp: 188344
Ion Ratio Lower Upper
65 100
67 53.5 0.0 105.8

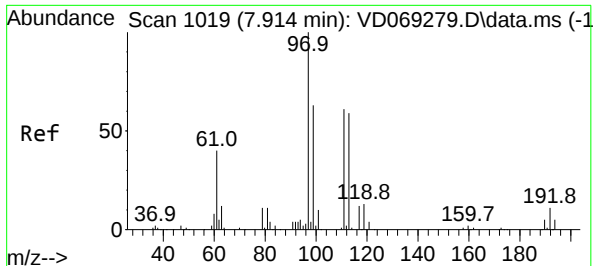


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069384.D
Acq: 08 Jun 2021 11:25

Tgt Ion: 114 Resp: 609486
Ion Ratio Lower Upper
114 100
63 16.7 0.0 35.6
88 14.5 0.0 31.2





#35

Dibromofluoromethane

Concen: 54.363 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069384.D

Acq: 08 Jun 2021 11:25

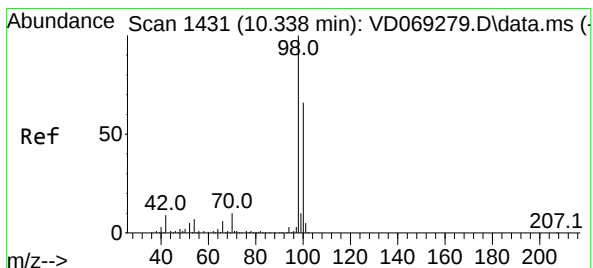
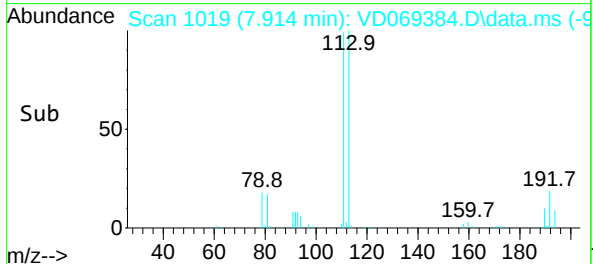
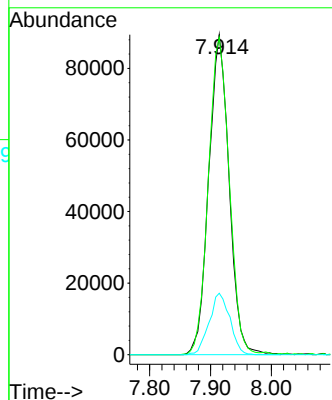
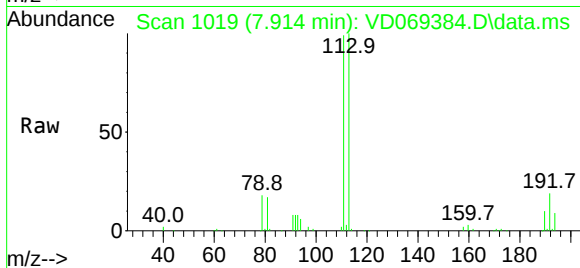
Tgt Ion:113 Resp: 208069

Ion Ratio Lower Upper

113 100

111 101.2 83.0 124.6

192 19.5 15.1 22.7



#50

Toluene-d8

Concen: 55.069 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. 0.000 min

Lab File: VD069384.D

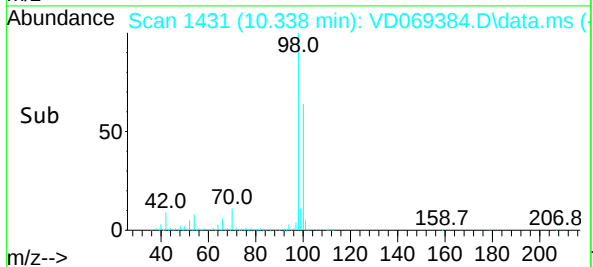
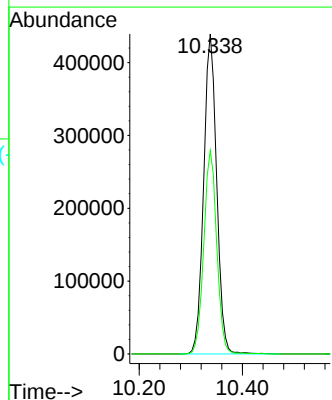
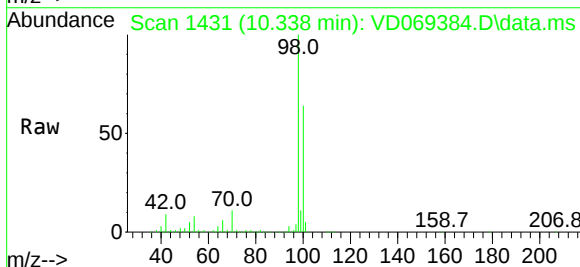
Acq: 08 Jun 2021 11:25

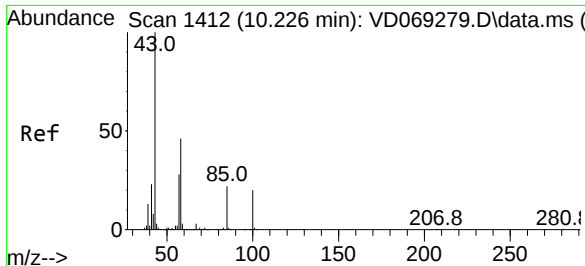
Tgt Ion: 98 Resp: 766447

Ion Ratio Lower Upper

98 100

100 63.3 52.1 78.1

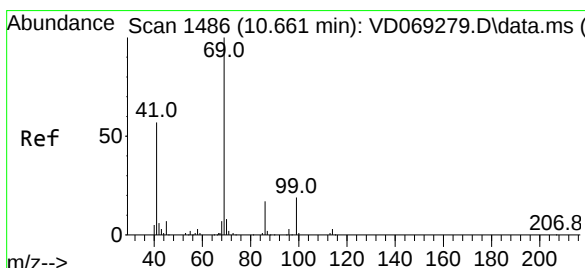
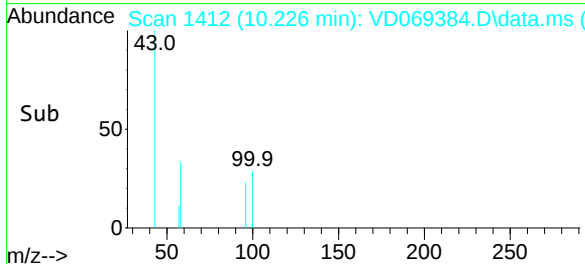
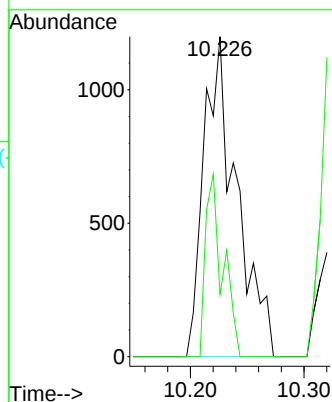
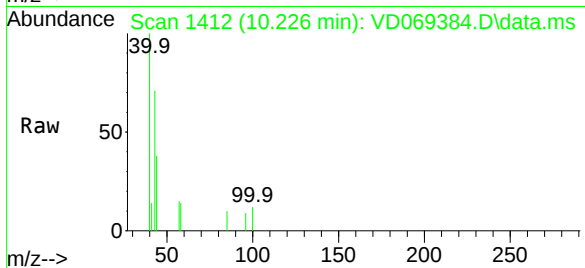




#51
4-Methyl-2-Pentanone
Concen: 1.267 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. 0.000 min
Lab File: VD069384.D
Acq: 08 Jun 2021 11:25

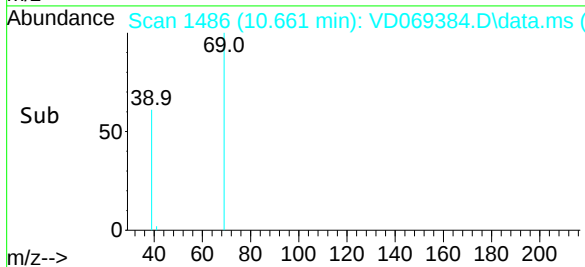
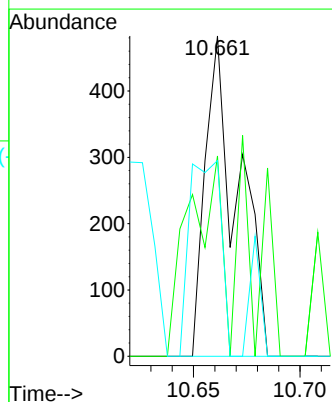
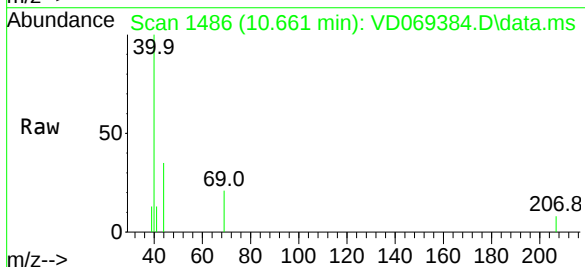
Instrument :
MSVOA_D
ClientSampled :

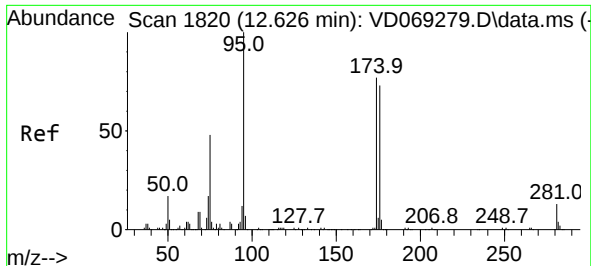
Tgt Ion: 43 Resp: 2395
Ion Ratio Lower Upper
43 100
58 29.9 35.1 52.7#



#56
Ethyl methacrylate
Concen: 2.769 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VD069384.D
Acq: 08 Jun 2021 11:25

Tgt Ion: 69 Resp: 515
Ion Ratio Lower Upper
69 100
41 61.7 45.4 68.2
39 59.0 21.7 32.5#

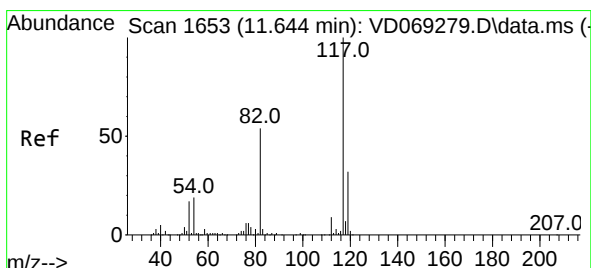
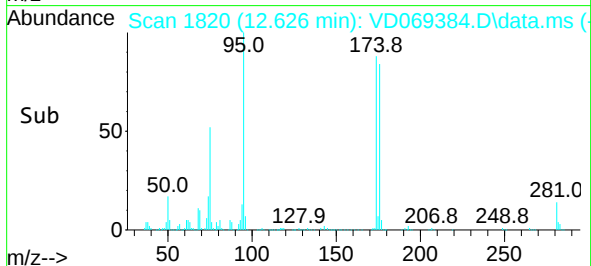
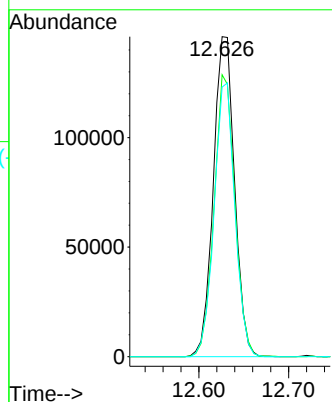
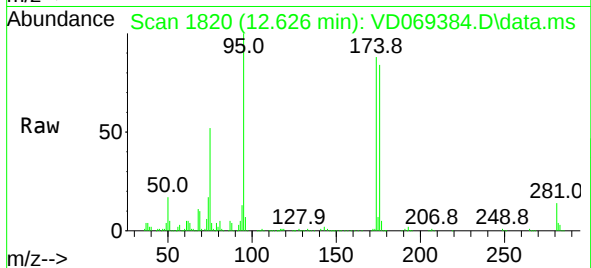




#62
4-Bromofluorobenzene
Concen: 52.659 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069384.D
Acq: 08 Jun 2021 11:25

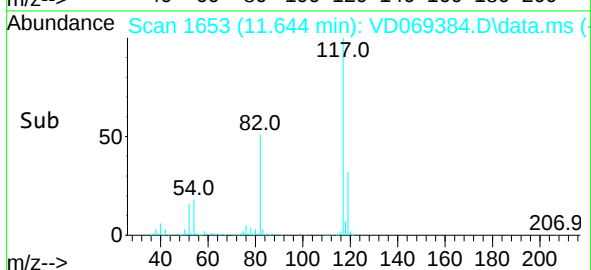
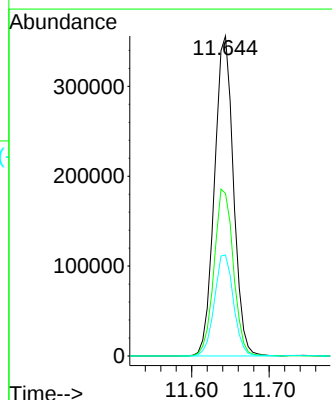
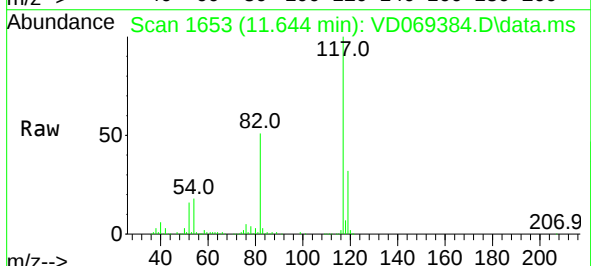
Instrument :
MSVOA_D
ClientSampleId :

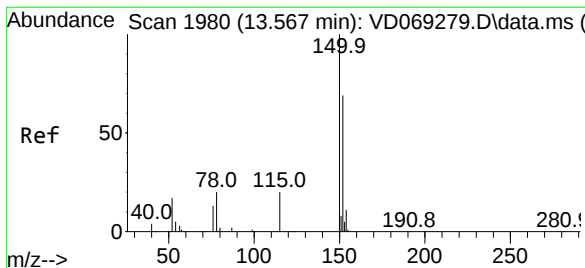
Tgt Ion: 95 Resp: 240151
Ion Ratio Lower Upper
95 100
174 86.2 0.0 162.8
176 83.4 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069384.D
Acq: 08 Jun 2021 11:25

Tgt Ion: 117 Resp: 605866
Ion Ratio Lower Upper
117 100
82 50.8 43.3 64.9
119 31.6 25.3 37.9

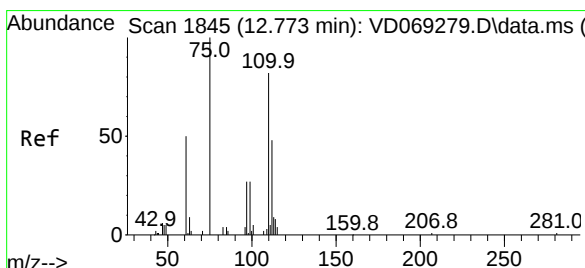
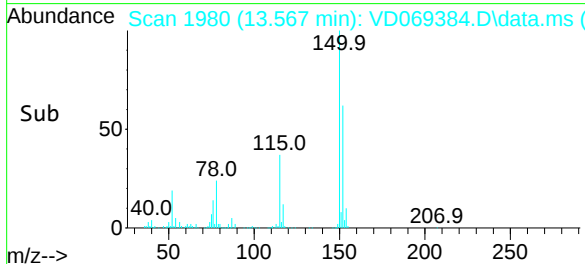
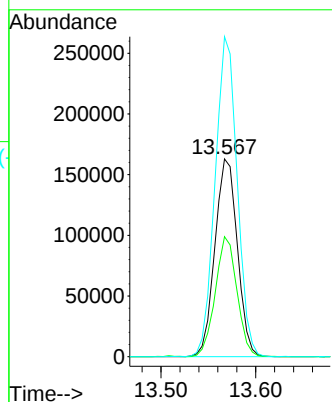
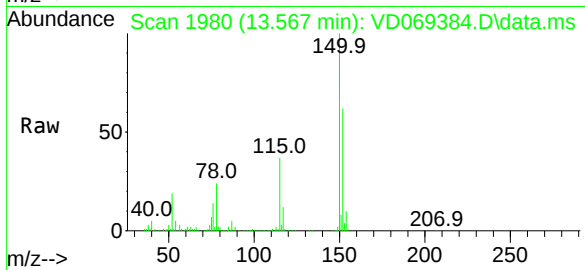




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. 0.000 min
 Lab File: VD069384.D
 Acq: 08 Jun 2021 11:25

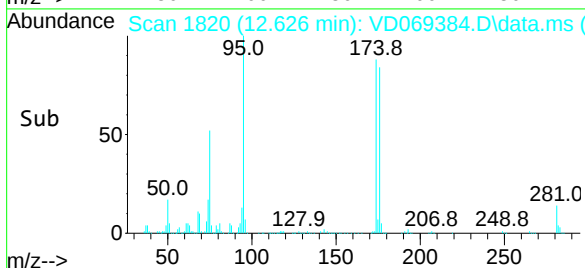
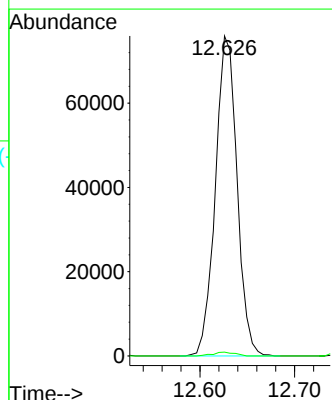
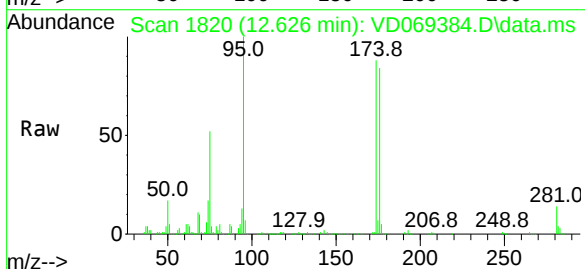
Instrument :
 MSVOA_D
 ClientSampleId :

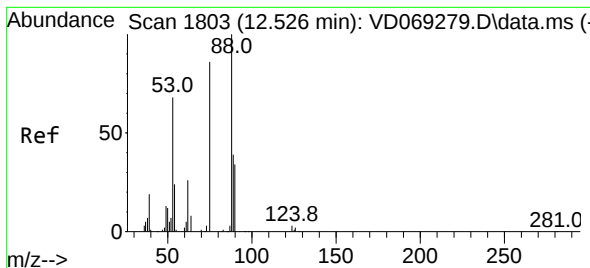
Tgt Ion:152 Resp: 268450
 Ion Ratio Lower Upper
 152 100
 115 58.6 29.4 88.3
 150 159.2 0.0 355.0



#76
 1,2,3-Trichloropropane
 Concen: 51.808 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069384.D
 Acq: 08 Jun 2021 11:25

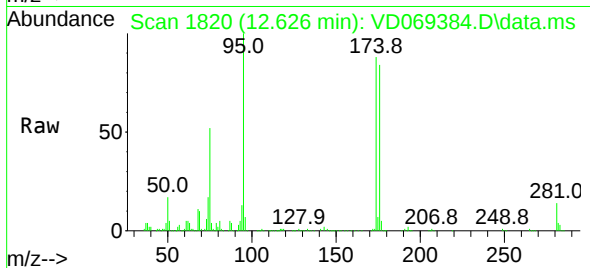
Tgt Ion: 75 Resp: 120836
 Ion Ratio Lower Upper
 75 100
 77 1.2 183.8 551.2#



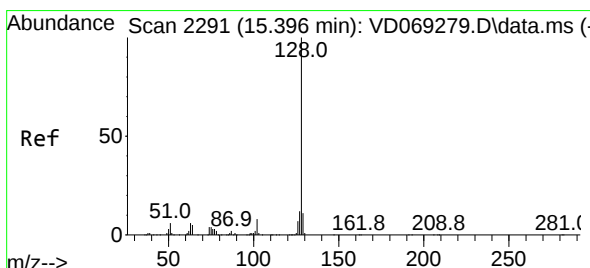
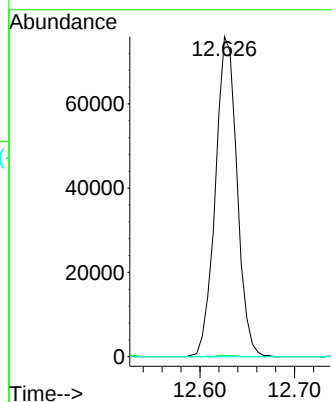
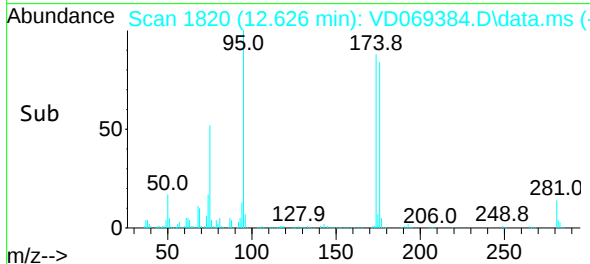


#81
trans-1,4-Dichloro-2-butene
Concen: 114.807 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069384.D
Acq: 08 Jun 2021 11:25

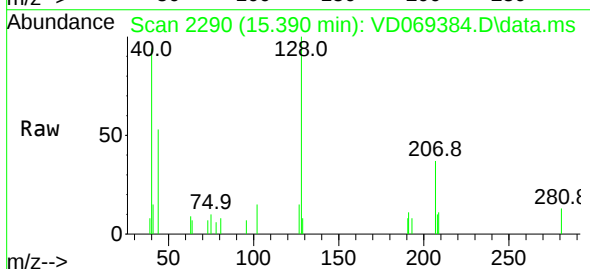
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 120836
Ion Ratio Lower Upper
75 100
53 0.3 62.6 94.0#
89 0.1 35.6 53.4#



#95
Naphthalene
Concen: 3.781 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. -0.006 min
Lab File: VD069384.D
Acq: 08 Jun 2021 11:25



Tgt Ion: 128 Resp: 4696
Ion Ratio Lower Upper
128 100
127 13.8 10.4 15.6
129 6.0 8.8 13.2#

