

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060821\
 Data File : VD069391.D
 Acq On : 08 Jun 2021 14:50
 Operator : VA/SY
 Sample : M2612-03
 Misc : 5.29G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 09 02:09:46 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

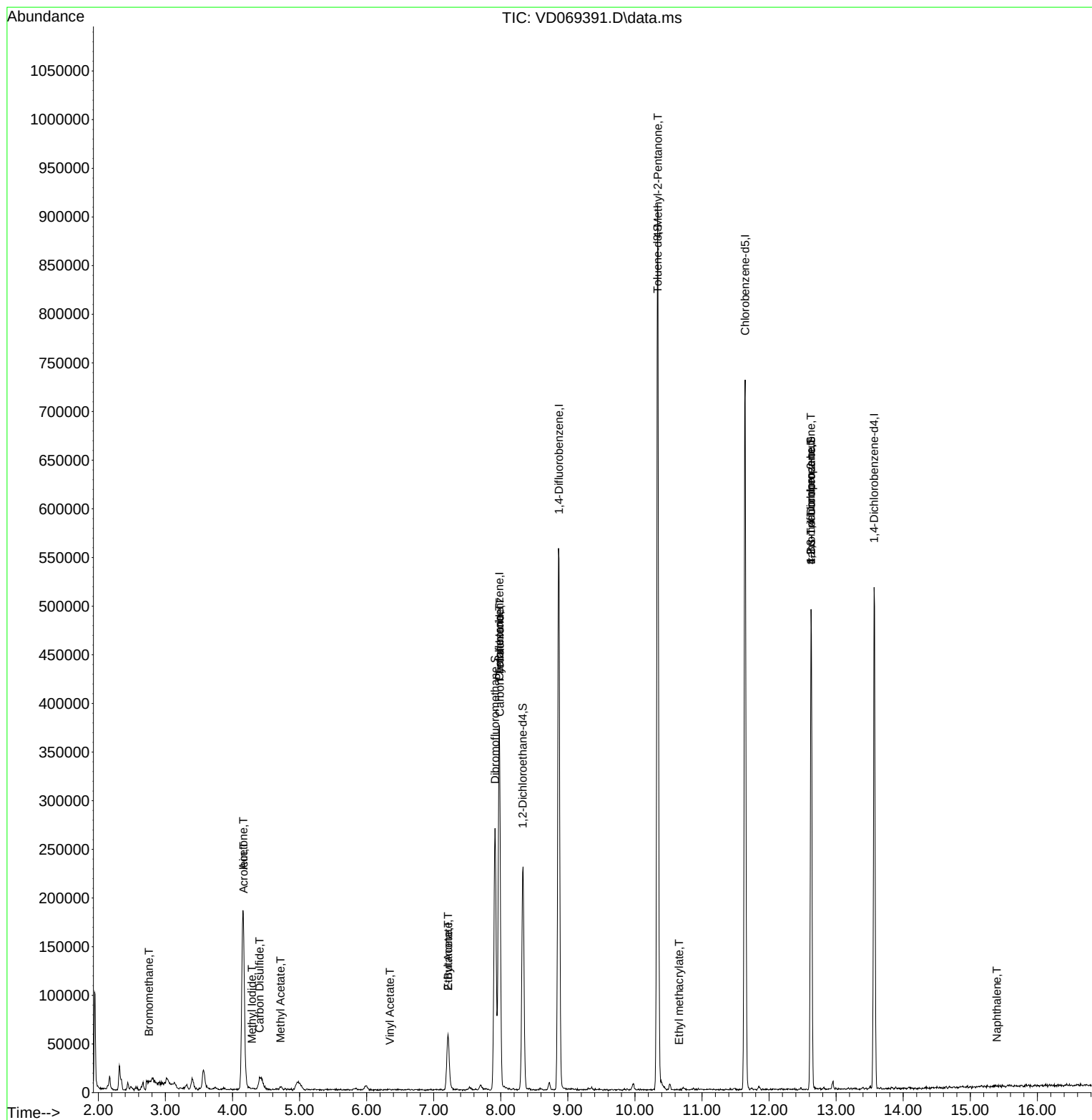
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.979	168	286959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	508883	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	455351	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	144574	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	185963	67.539	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	135.080%
35) Dibromofluoromethane	7.914	113	194482	60.858	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	121.720%
50) Toluene-d8	10.338	98	632344	54.416	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	108.840%
62) 4-Bromofluorobenzene	12.626	95	152325	40.004	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	80.000%
Target Compounds						
					Qvalue	
5) Bromomethane	2.756	94	1763	1.040	ug/l	89
10) Methyl Iodide	4.291	142	1246	2.875	ug/l #	49
11) Tert butyl alcohol	5.232	59	229	Below Cal	#	73
13) Acrolein	4.167	56	109	17.697	ug/l #	1
16) Acetone	4.161	43	319274	664.468	ug/l	99
17) Carbon Disulfide	4.403	76	22844	2.400	ug/l	97
18) Methyl Acetate	4.714	43	3963	3.048	ug/l #	82
20) Methylene Chloride	4.961	84	6284	Below Cal	#	83
23) Vinyl Acetate	6.350	43	77	11.629	ug/l #	67
25) 2-Butanone	7.214	43	87128	137.802	ug/l	98
31) Cyclohexane	7.979	56	6719	1.536	ug/l #	7
37) Ethyl Acetate	7.214	43	87128	51.877	ug/l #	69
38) Carbon Tetrachloride	7.985	117	28012	5.245	ug/l #	16
51) 4-Methyl-2-Pentanone	10.343	43	3323	2.105	ug/l #	1
56) Ethyl methacrylate	10.661	69	55	2.655	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	75499	60.106	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	75499	133.194	ug/l #	18
95) Naphthalene	15.396	128	572	3.410	ug/l #	69

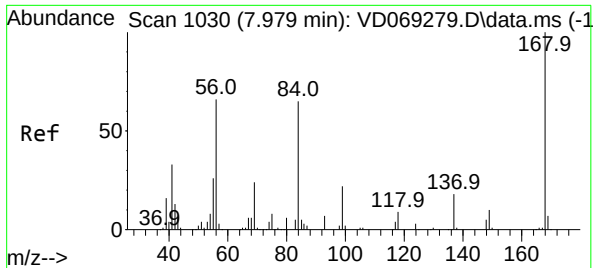
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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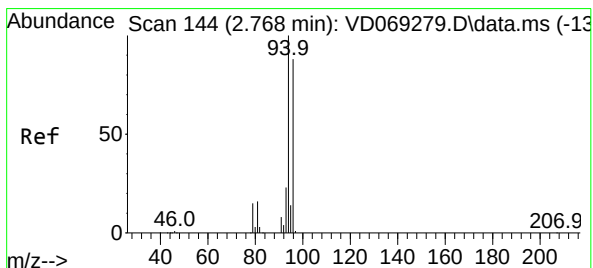
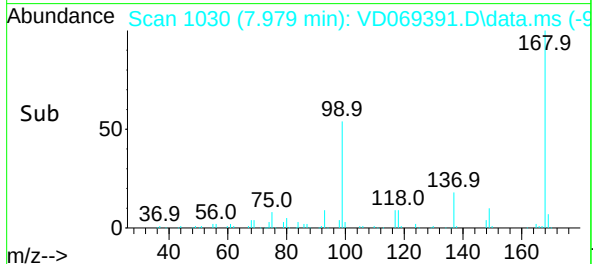
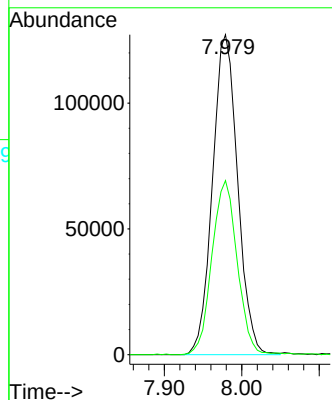
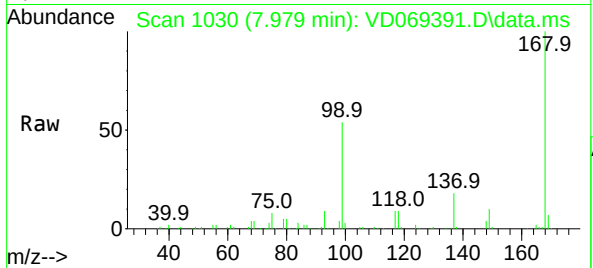




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069391.D
Acq: 08 Jun 2021 14:50

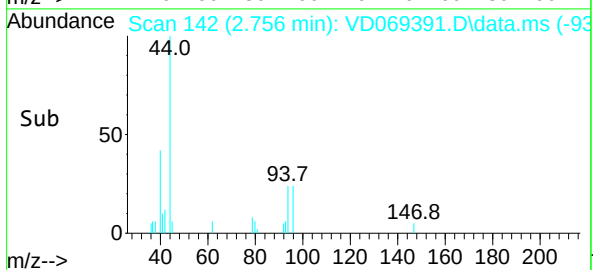
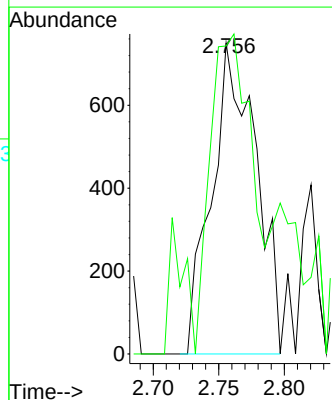
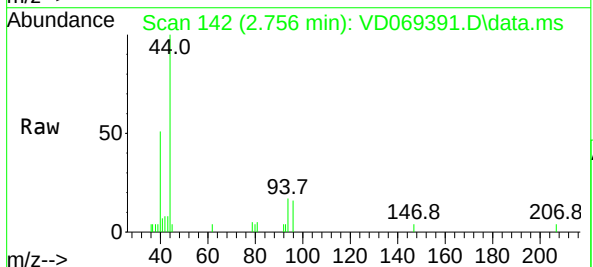
Instrument :
MSVOA_D
ClientSampled :

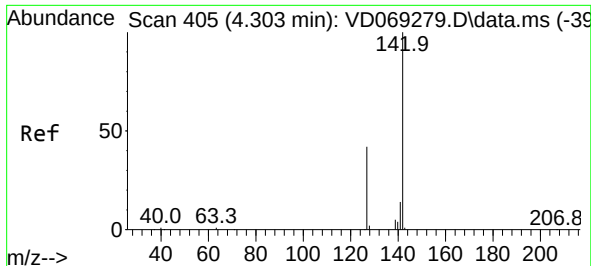
Tgt Ion:168 Resp: 286959
Ion Ratio Lower Upper
168 100
99 54.4 46.2 69.2



#5
Bromomethane
Concen: 1.040 ug/l
RT: 2.756 min Scan# 142
Delta R.T. -0.012 min
Lab File: VD069391.D
Acq: 08 Jun 2021 14:50

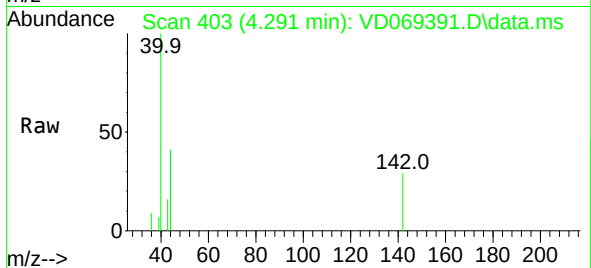
Tgt Ion: 94 Resp: 1763
Ion Ratio Lower Upper
94 100
96 77.5 70.3 105.5



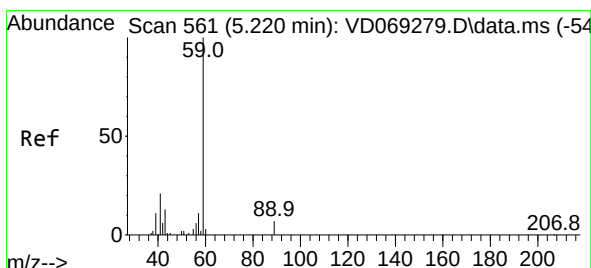
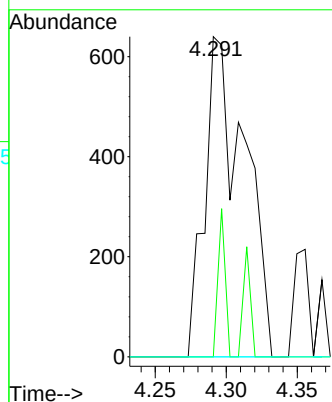
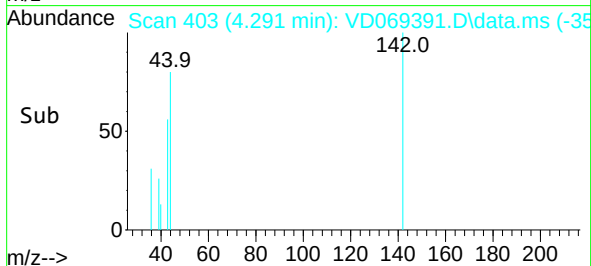


#10
Methyl Iodide
Concen: 2.875 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD069391.D
Acq: 08 Jun 2021 14:50

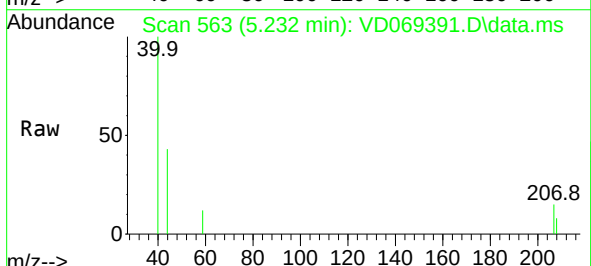
Instrument :
MSVOA_D
ClientSampled :



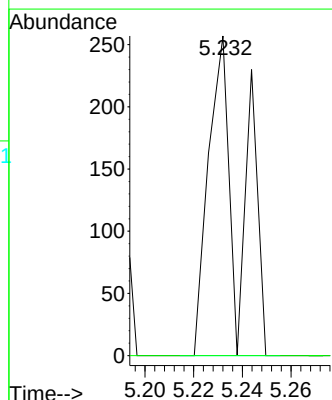
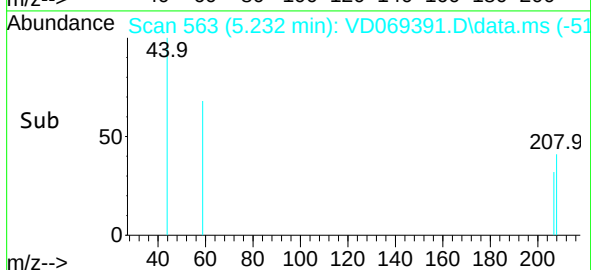
Tgt Ion:142 Resp: 1246
Ion Ratio Lower Upper
142 100
127 8.3 36.2 54.2#
141 0.0 12.2 18.2#

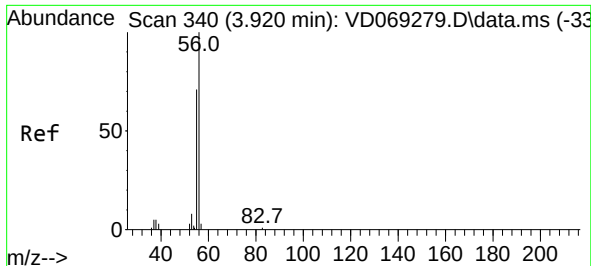


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.232 min Scan# 563
Delta R.T. 0.012 min
Lab File: VD069391.D
Acq: 08 Jun 2021 14:50



Tgt Ion: 59 Resp: 229
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

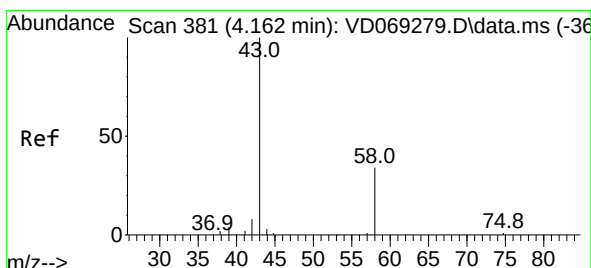
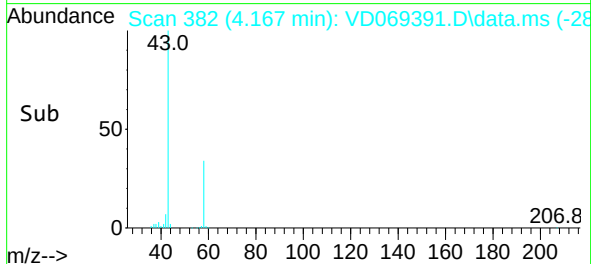
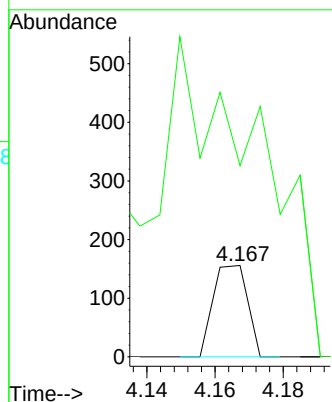
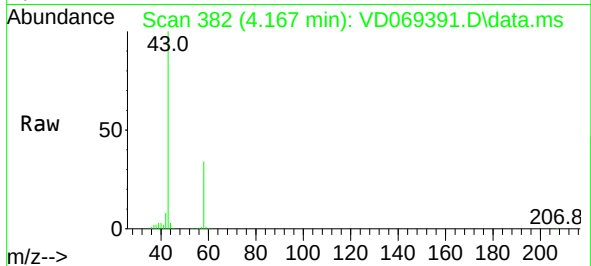




#13
Acrolein
Concen: 17.697 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.247 min
Lab File: VD069391.D
Acq: 08 Jun 2021 14:50

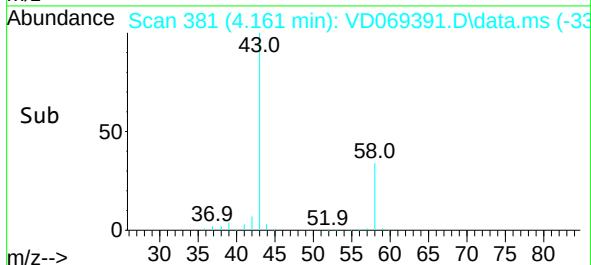
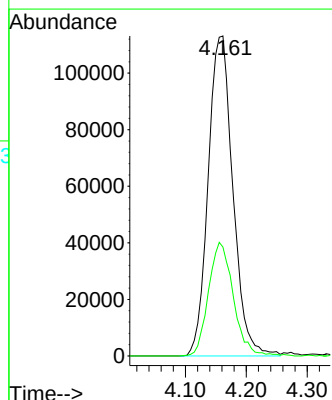
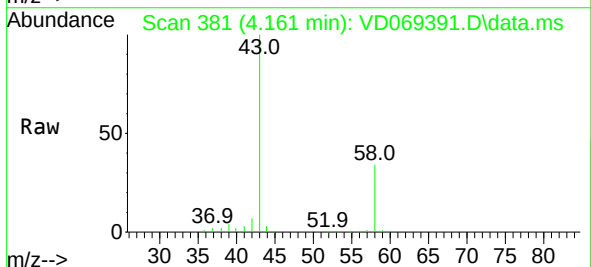
Instrument :
MSVOA_D
ClientSampleId :

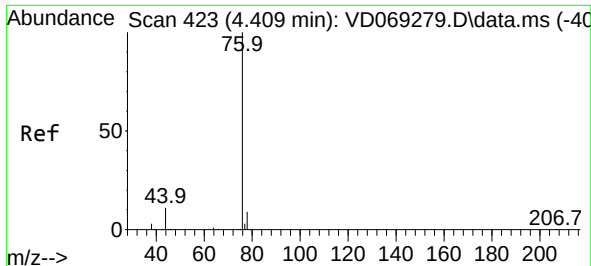
Tgt Ion: 56 Resp: 109
Ion Ratio Lower Upper
56 100
55 1093.6 53.8 80.8#



#16
Acetone
Concen: 664.468 ug/l
RT: 4.161 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD069391.D
Acq: 08 Jun 2021 14:50

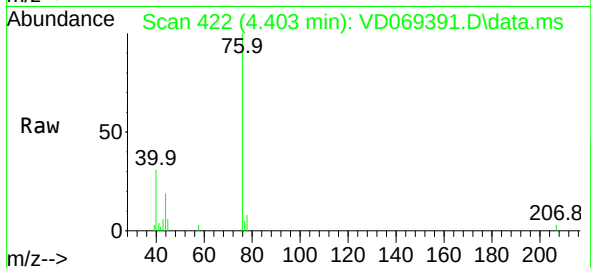
Tgt Ion: 43 Resp: 319274
Ion Ratio Lower Upper
43 100
58 34.1 27.5 41.3



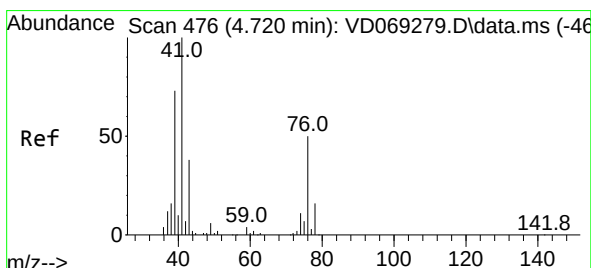
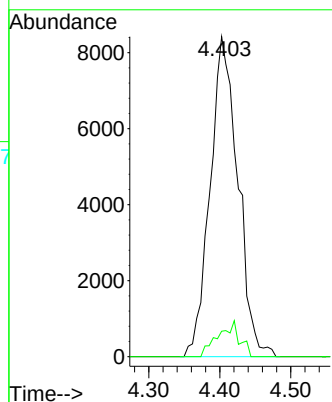
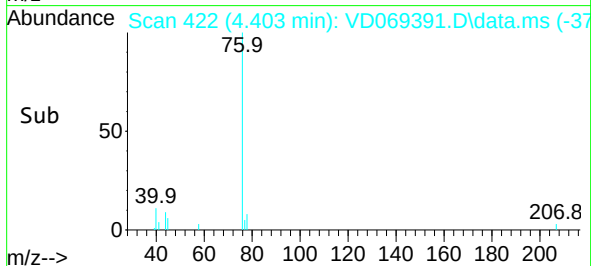


#17
Carbon Disulfide
Concen: 2.400 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD069391.D
Acq: 08 Jun 2021 14:50

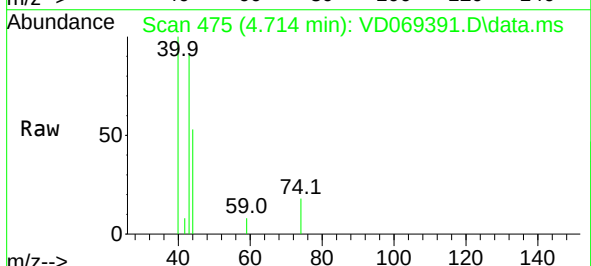
Instrument :
MSVOA_D
ClientSampled :



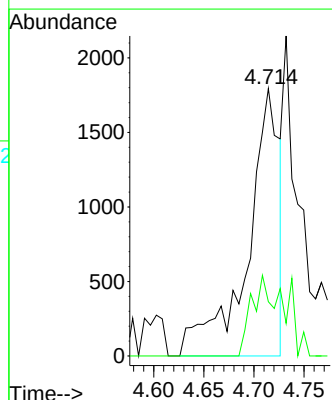
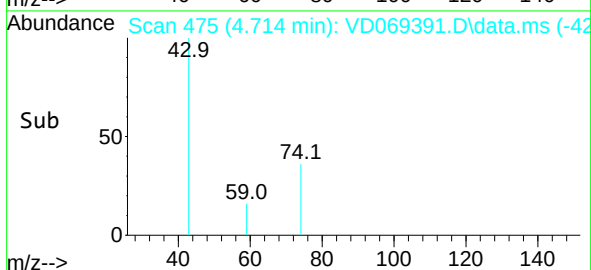
Tgt Ion: 76 Resp: 22844
Ion Ratio Lower Upper
76 100
78 7.9 7.4 11.0

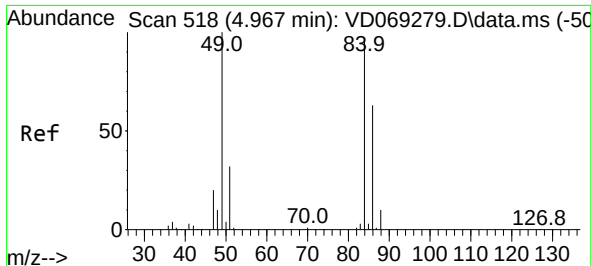


#18
Methyl Acetate
Concen: 3.048 ug/l
RT: 4.714 min Scan# 475
Delta R.T. -0.006 min
Lab File: VD069391.D
Acq: 08 Jun 2021 14:50



Tgt Ion: 43 Resp: 3963
Ion Ratio Lower Upper
43 100
74 18.8 22.8 34.2#





#20

Methylene Chloride

Concen: Below Cal

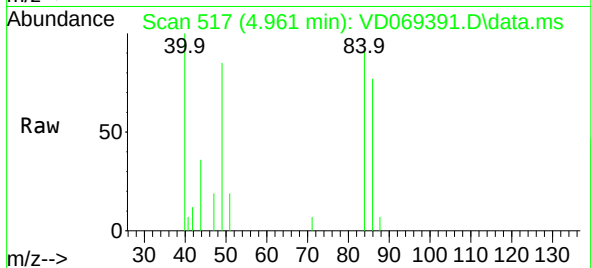
RT: 4.961 min Scan# 517

Delta R.T. -0.006 min

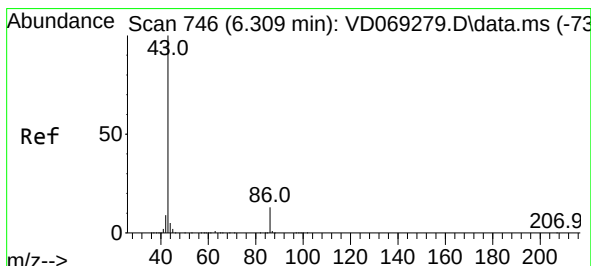
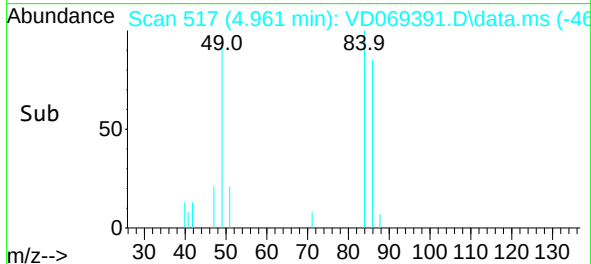
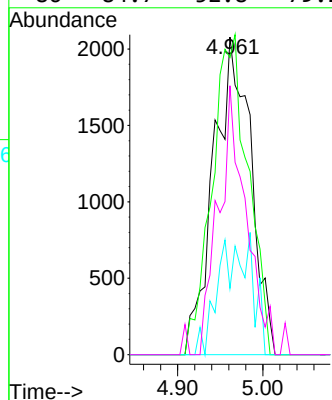
Lab File: VD069391.D

Acq: 08 Jun 2021 14:50

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	84	Resp:	6284
Ion	Ratio	Lower	Upper
84	100		
49	93.6	83.7	125.5
51	20.8	26.4	39.6#
86	84.7	52.8	79.2#



#23

Vinyl Acetate

Concen: 11.629 ug/l

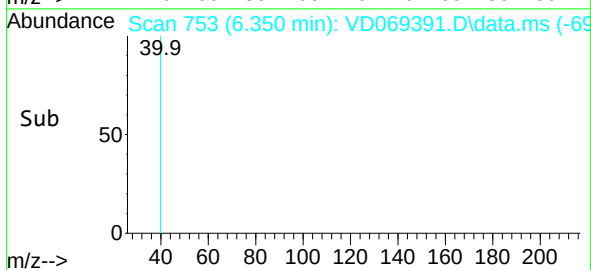
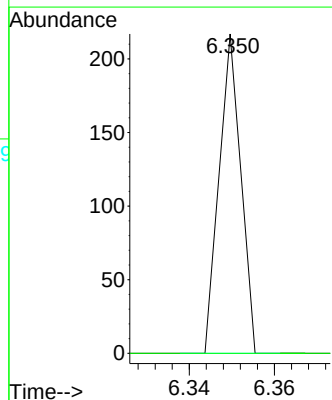
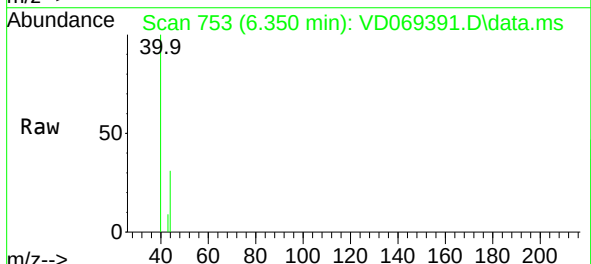
RT: 6.350 min Scan# 753

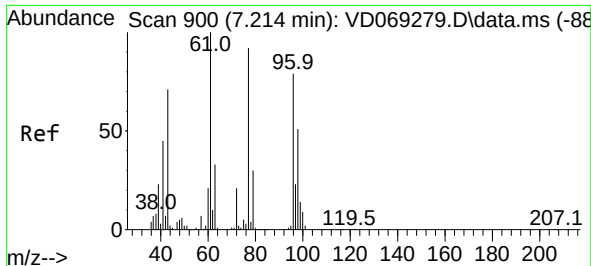
Delta R.T. 0.041 min

Lab File: VD069391.D

Acq: 08 Jun 2021 14:50

Tgt Ion:	43	Resp:	77
Ion	Ratio	Lower	Upper
43	100		
86	0.0	10.5	15.7#

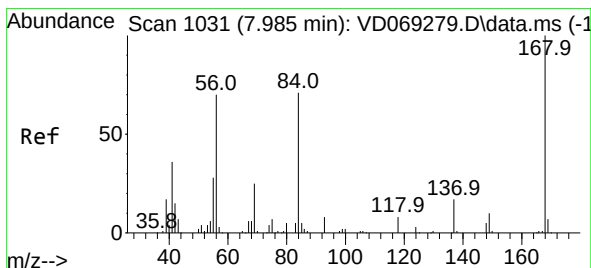
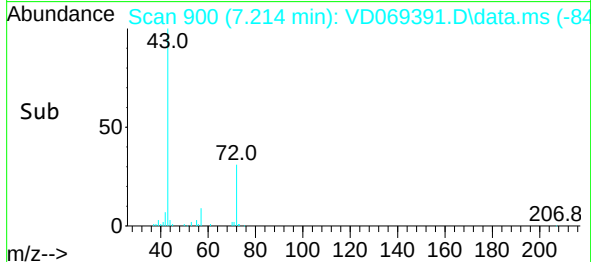
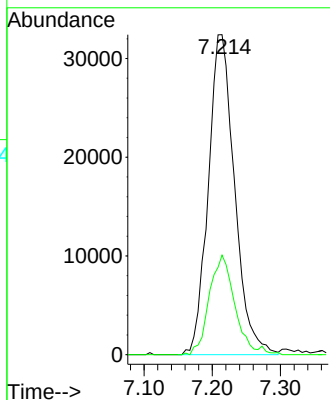
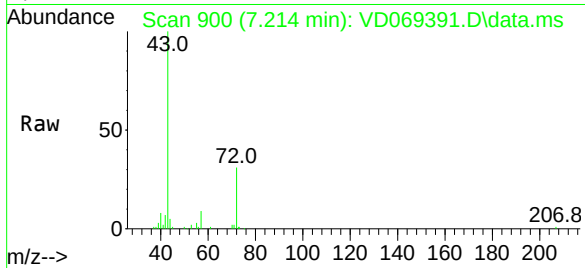




#25
2-Butanone
Concen: 137.802 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.000 min
Lab File: VD069391.D
Acq: 08 Jun 2021 14:50

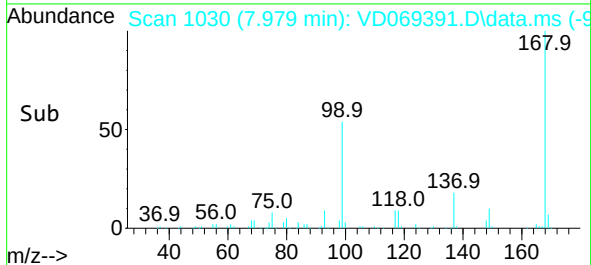
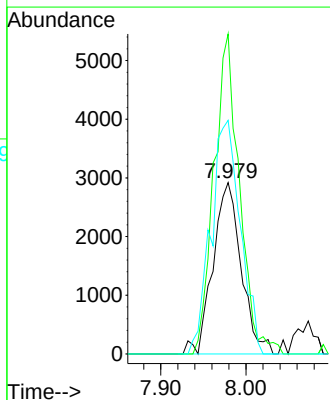
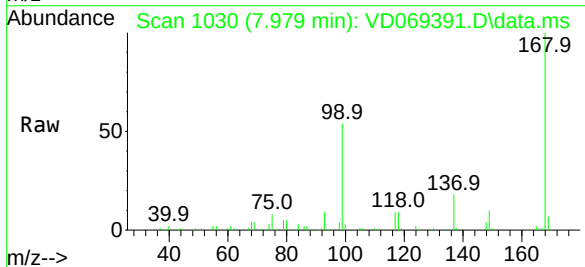
Instrument :
MSVOA_D
ClientSampled :

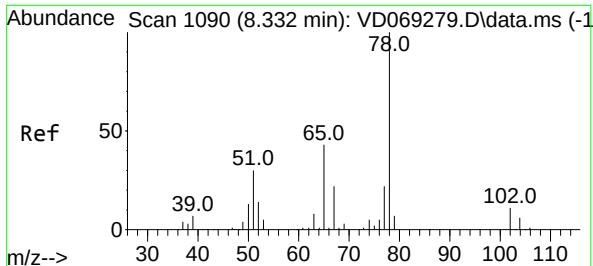
Tgt Ion: 43 Resp: 87128
Ion Ratio Lower Upper
43 100
72 31.1 23.9 35.9



#31
Cyclohexane
Concen: 1.536 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069391.D
Acq: 08 Jun 2021 14:50

Tgt Ion: 56 Resp: 6719
Ion Ratio Lower Upper
56 100
69 186.7 29.0 43.4#
84 136.4 81.1 121.7#



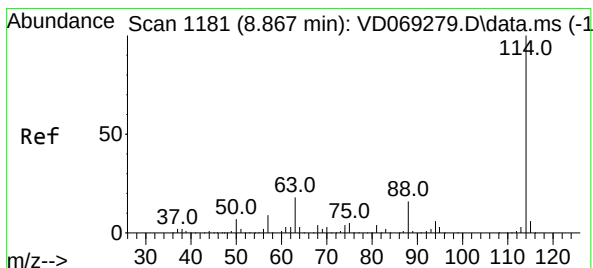
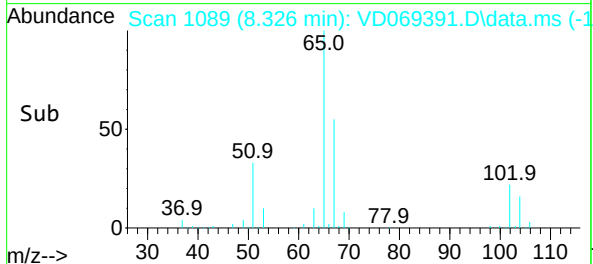
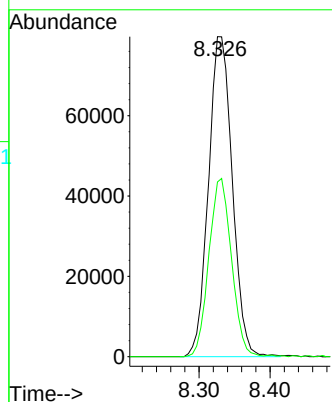
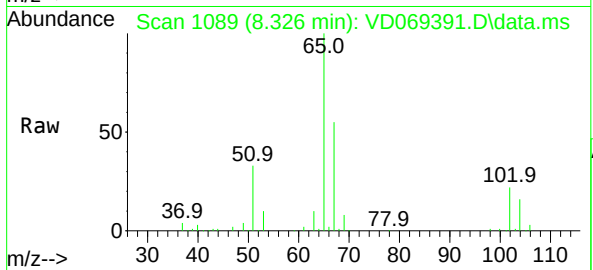


#33

1,2-Dichloroethane-d4
Concen: 67.539 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069391.D
Acq: 08 Jun 2021 14:50

Instrument :
MSVOA_D
ClientSampleId :

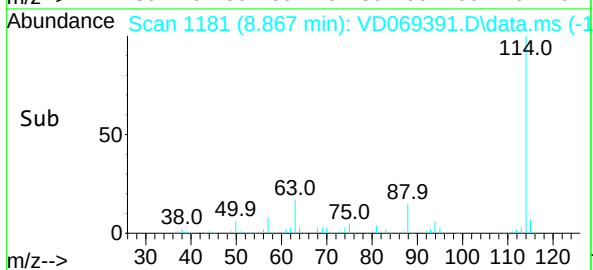
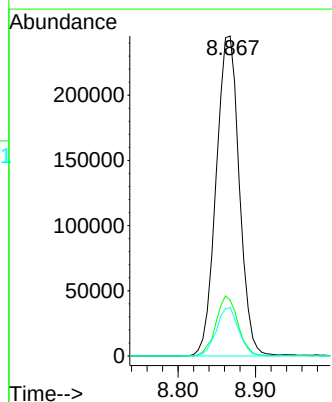
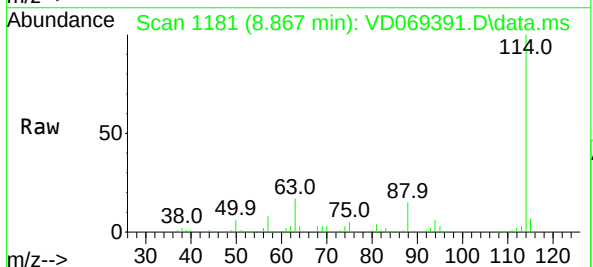
Tgt Ion: 65 Resp: 185963
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.8

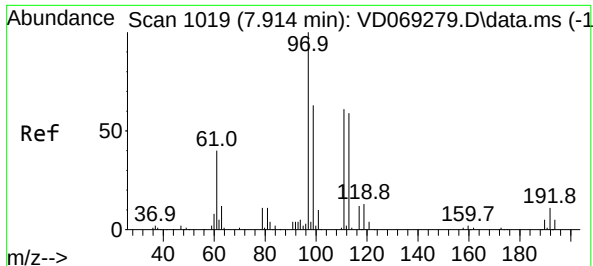


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069391.D
Acq: 08 Jun 2021 14:50

Tgt Ion: 114 Resp: 508883
Ion Ratio Lower Upper
114 100
63 17.4 0.0 35.6
88 15.1 0.0 31.2





#35

Dibromofluoromethane

Concen: 60.858 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069391.D

Acq: 08 Jun 2021 14:50

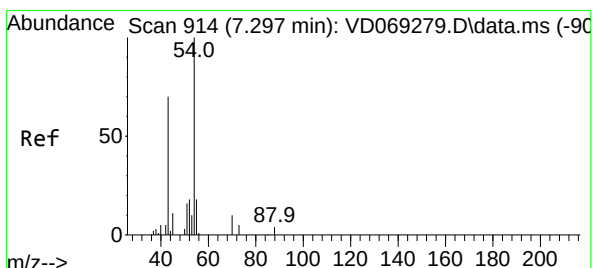
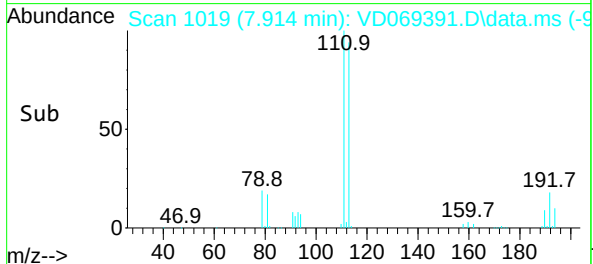
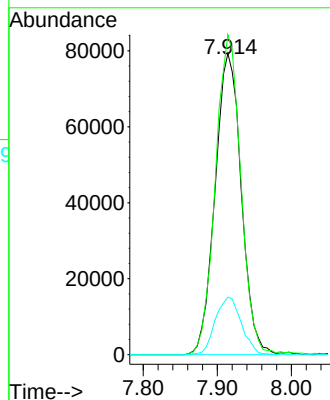
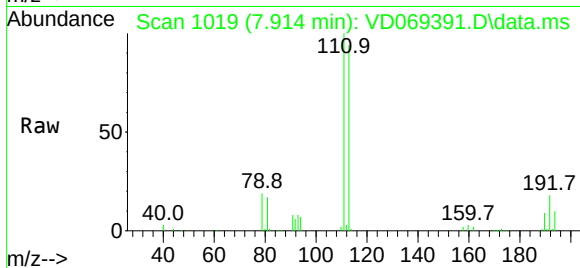
Tgt Ion:113 Resp: 194482

Ion Ratio Lower Upper

113 100

111 103.5 83.0 124.6

192 19.0 15.1 22.7



#37

Ethyl Acetate

Concen: 51.877 ug/l

RT: 7.214 min Scan# 900

Delta R.T. -0.082 min

Lab File: VD069391.D

Acq: 08 Jun 2021 14:50

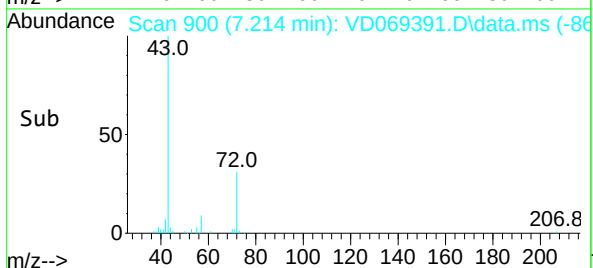
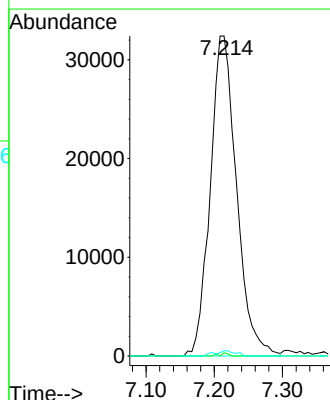
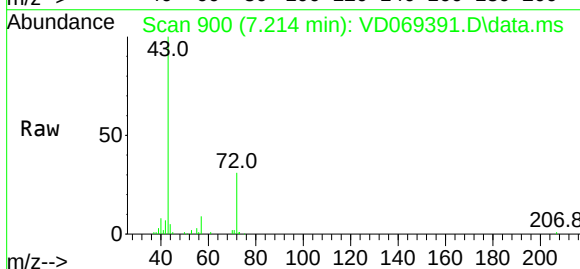
Tgt Ion: 43 Resp: 87128

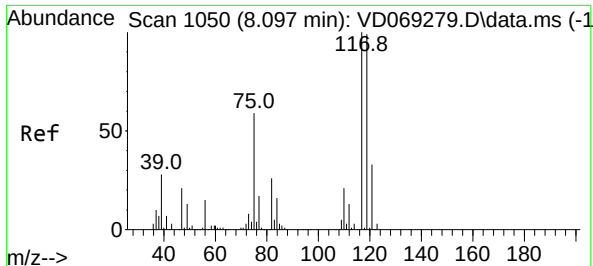
Ion Ratio Lower Upper

43 100

61 0.3 11.0 16.6#

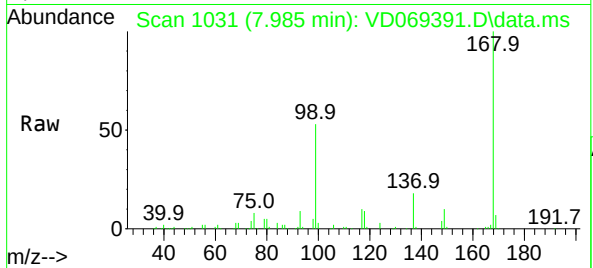
70 1.3 9.7 14.5#



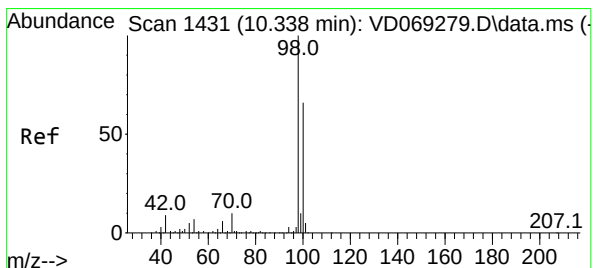
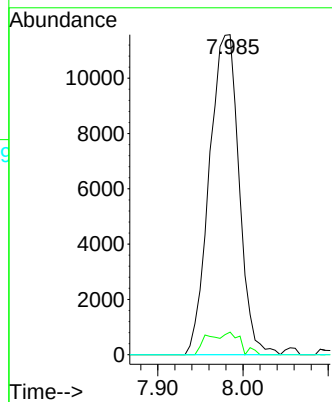
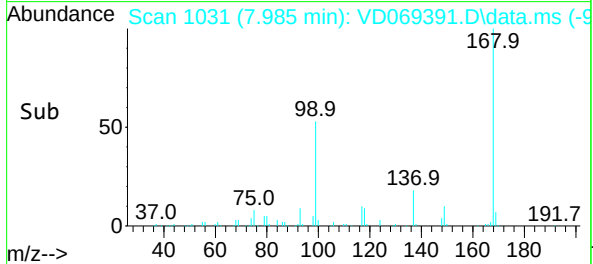


#38
Carbon Tetrachloride
Concen: 5.245 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD069391.D
Acq: 08 Jun 2021 14:50

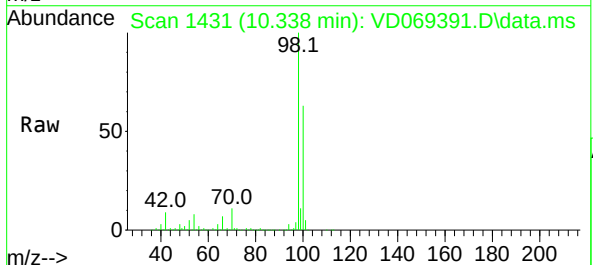
Instrument :
MSVOA_D
ClientSampled :



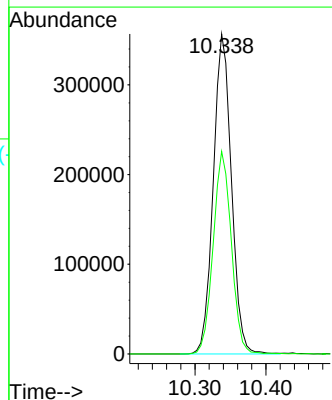
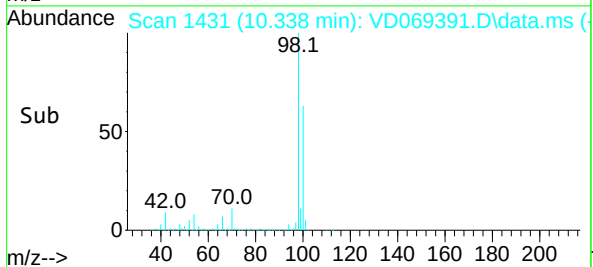
Tgt Ion:117 Resp: 28012
Ion Ratio Lower Upper
117 100
119 7.1 79.4 119.2#
121 0.0 26.1 39.1#

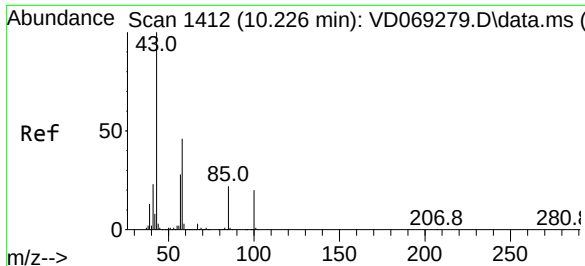


#50
Toluene-d8
Concen: 54.416 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069391.D
Acq: 08 Jun 2021 14:50



Tgt Ion: 98 Resp: 632344
Ion Ratio Lower Upper
98 100
100 63.6 52.1 78.1

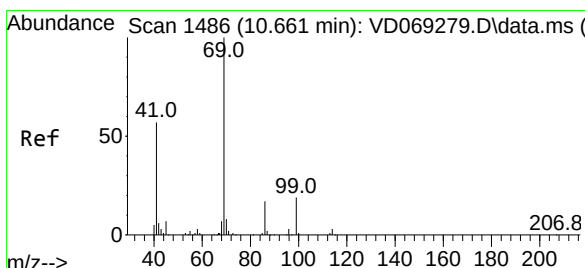
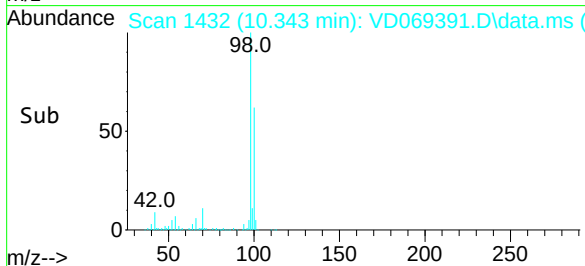
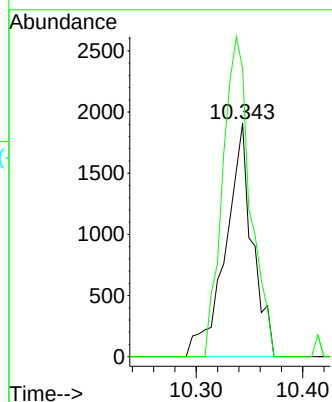
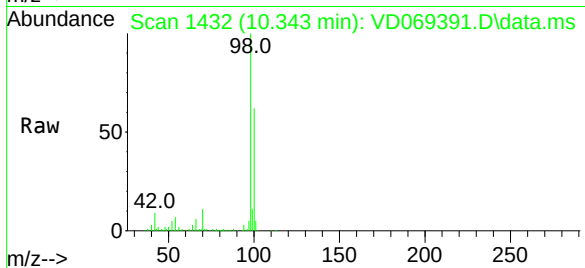




#51
4-Methyl-2-Pentanone
Concen: 2.105 ug/l
RT: 10.343 min Scan# 1432
Delta R.T. 0.118 min
Lab File: VD069391.D
Acq: 08 Jun 2021 14:50

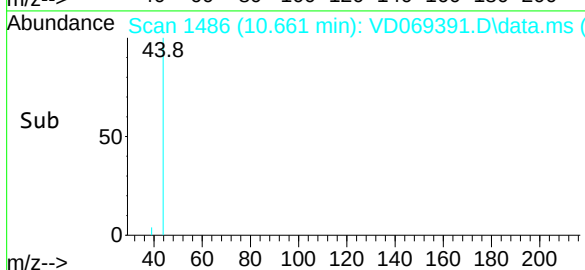
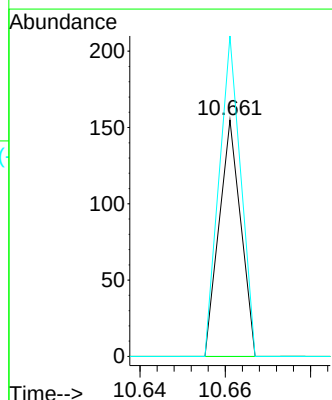
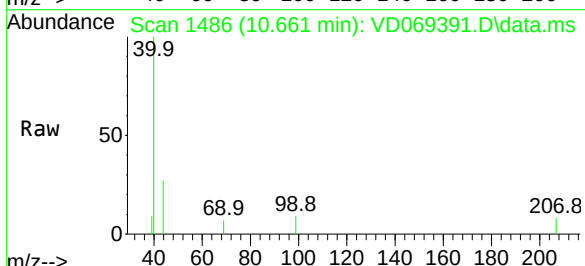
Instrument :
MSVOA_D
ClientSampled :

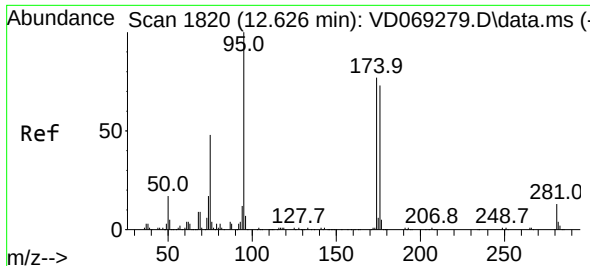
Tgt Ion: 43 Resp: 3323
Ion Ratio Lower Upper
43 100
58 142.1 35.1 52.7#



#56
Ethyl methacrylate
Concen: 2.655 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VD069391.D
Acq: 08 Jun 2021 14:50

Tgt Ion: 69 Resp: 55
Ion Ratio Lower Upper
69 100
41 0.0 45.4 68.2#
39 134.5 21.7 32.5#

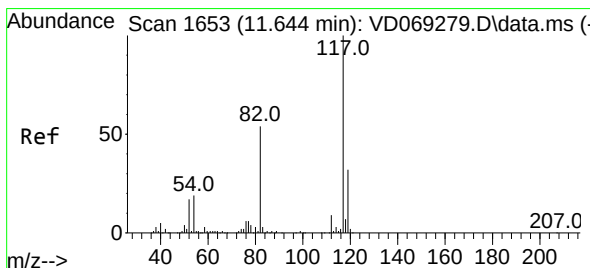
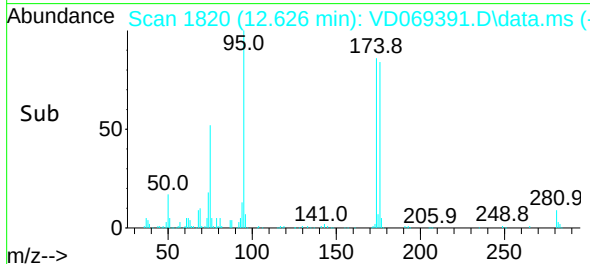
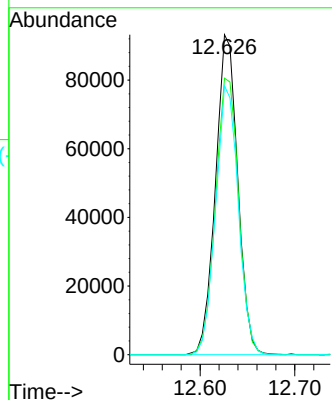
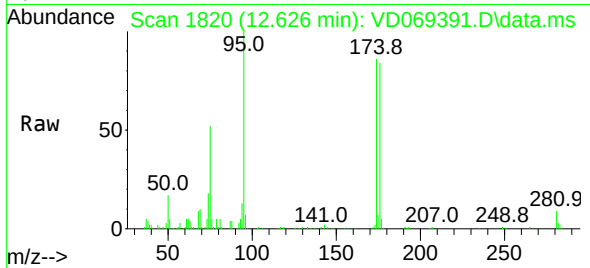




#62
4-Bromofluorobenzene
Concen: 40.004 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069391.D
Acq: 08 Jun 2021 14:50

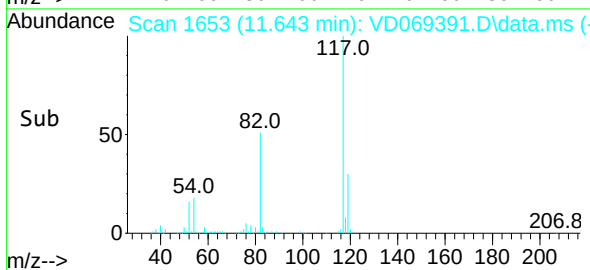
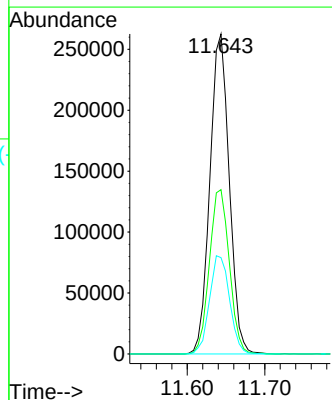
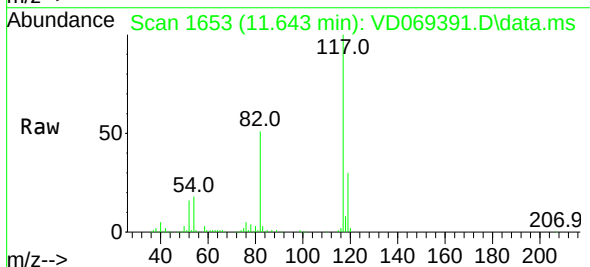
Instrument :
MSVOA_D
ClientSampleId :

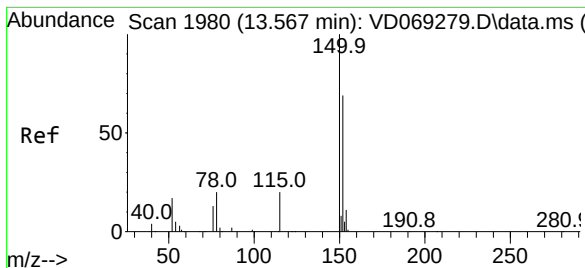
Tgt Ion: 95 Resp: 152325
Ion Ratio Lower Upper
95 100
174 90.2 0.0 162.8
176 85.7 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD069391.D
Acq: 08 Jun 2021 14:50

Tgt Ion: 117 Resp: 455351
Ion Ratio Lower Upper
117 100
82 51.4 43.3 64.9
119 30.1 25.3 37.9

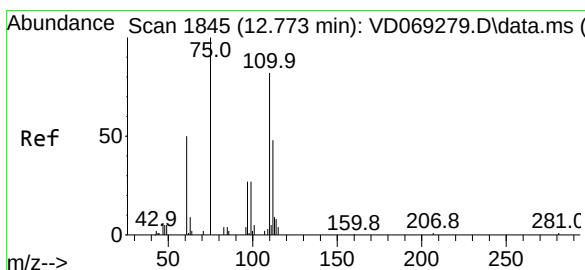
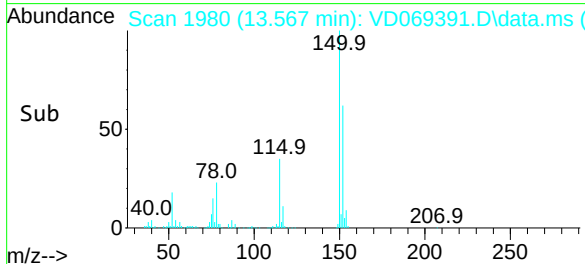
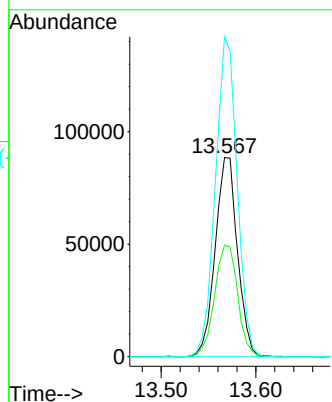
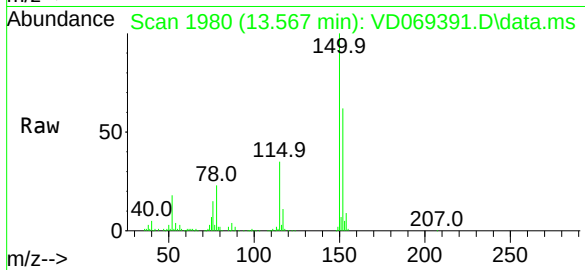




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069391.D
Acq: 08 Jun 2021 14:50

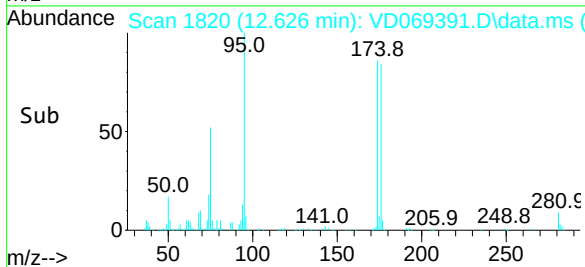
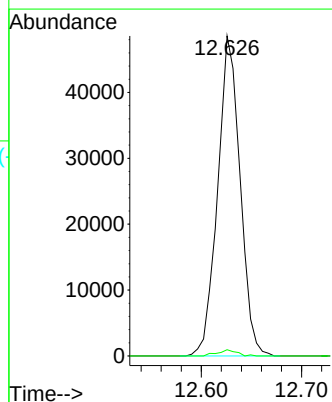
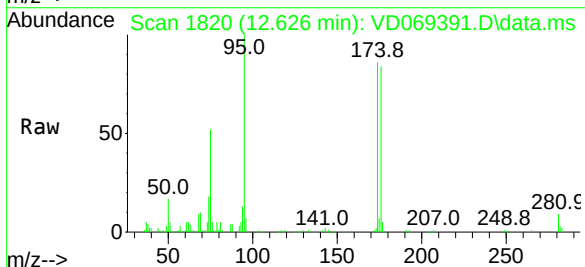
Instrument :
MSVOA_D
ClientSampleId :

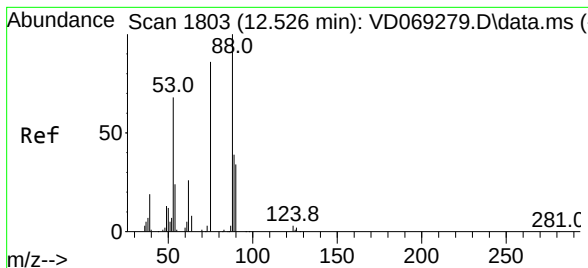
Tgt Ion:152 Resp: 144574
Ion Ratio Lower Upper
152 100
115 57.9 29.4 88.3
150 156.8 0.0 355.0



#76
1,2,3-Trichloropropane
Concen: 60.106 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069391.D
Acq: 08 Jun 2021 14:50

Tgt Ion: 75 Resp: 75499
Ion Ratio Lower Upper
75 100
77 1.7 183.8 551.2#

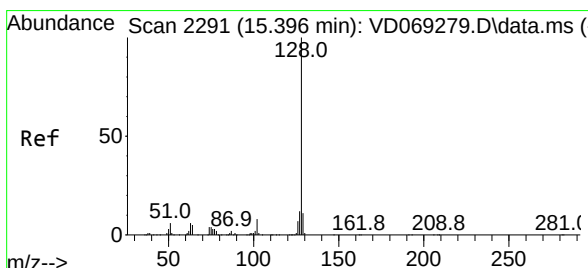
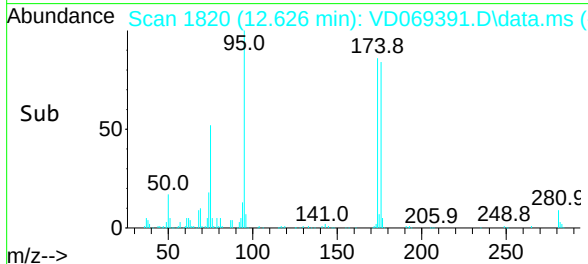
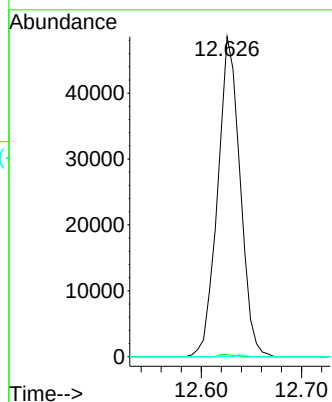
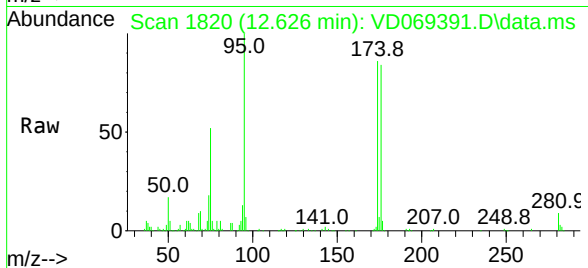




#81
trans-1,4-Dichloro-2-butene
Concen: 133.194 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069391.D
Acq: 08 Jun 2021 14:50

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 75499
Ion Ratio Lower Upper
75 100
53 0.5 62.6 94.0#
89 0.1 35.6 53.4#



#95
Naphthalene
Concen: 3.410 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.000 min
Lab File: VD069391.D
Acq: 08 Jun 2021 14:50

Tgt Ion:128 Resp: 572
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.8 13.2#

