

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052021\
 Data File : VD069211.D
 Acq On : 20 May 2021 11:29
 Operator : VA/SY
 Sample : VD0520SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 21 00:51:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 13 04:01:29 2021
 Response via : Initial Calibration

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

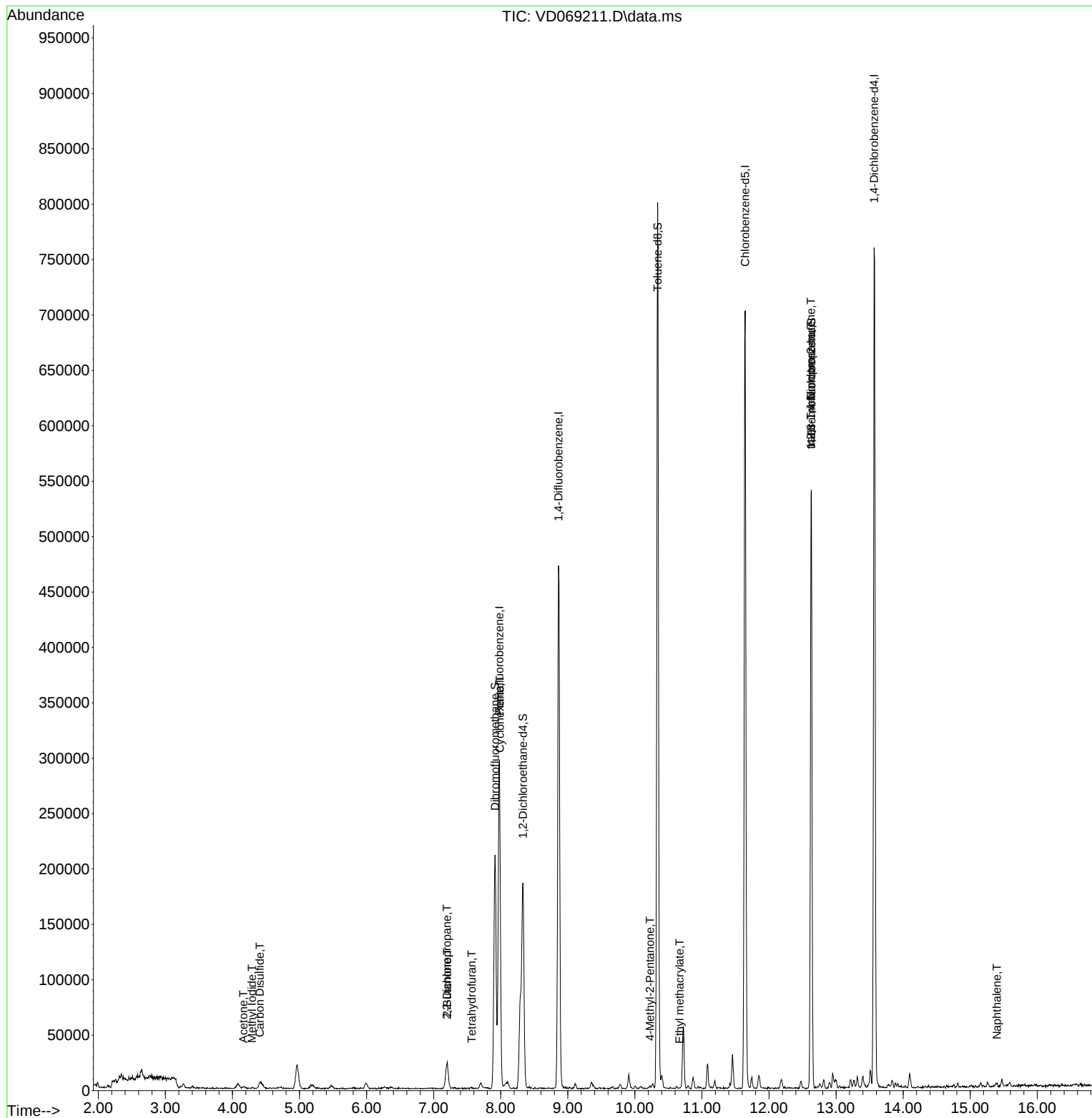
Internal Standards						
1) Pentafluorobenzene	7.979	168	207132	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	412524	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	426686	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	209061	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	144471	69.57	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 139.14%			
35) Dibromofluoromethane	7.914	113	148709	55.39	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.78%			
50) Toluene-d8	10.338	98	549810	55.74	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 111.48%			
62) 4-Bromofluorobenzene	12.632	95	161911	51.01	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.02%			
Target Compounds					Qvalue	
10) Methyl Iodide	4.291	142	606	1.17	ug/l #	91
11) Tert butyl alcohol	5.273	59	54	Below Cal	#	73
16) Acetone	4.162	43	2312	7.27	ug/l	89
17) Carbon Disulfide	4.409	76	9105	1.33	ug/l	96
20) Methylene Chloride	4.962	84	17649	Below Cal		92
25) 2-Butanone	7.203	43	963	2.23	ug/l #	38
26) 2,2-Dichloropropane	7.197	77	3809	1.04	ug/l #	62
29) Tetrahydrofuran	7.567	42	377	1.61	ug/l #	50
31) Cyclohexane	7.985	56	6909	2.25	ug/l #	49
51) 4-Methyl-2-Pentanone	10.226	43	1488	1.24	ug/l #	75
56) Ethyl methacrylate	10.667	69	216	1.40	ug/l #	31
76) 1,2,3-Trichloropropane	12.626	75	83070	52.86	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	83070	106.77	ug/l #	14
95) Naphthalene	15.396	128	3289	2.51	ug/l #	71

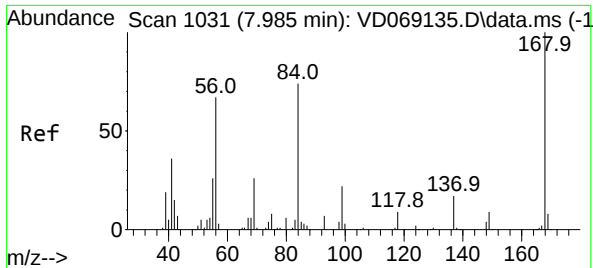
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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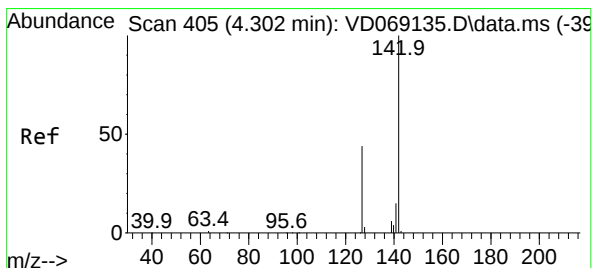
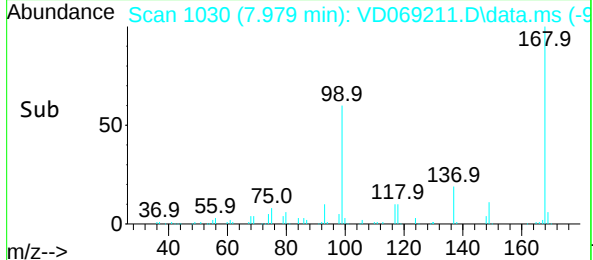
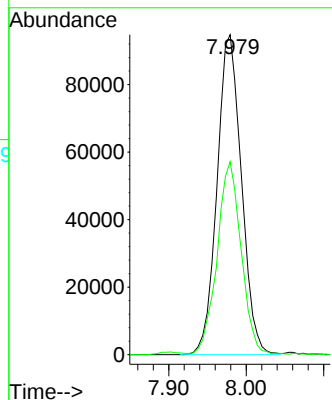
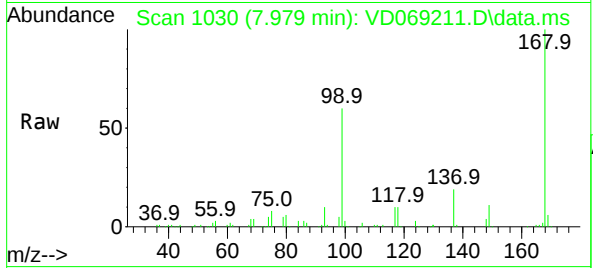




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069211.D
Acq: 20 May 2021 11:29

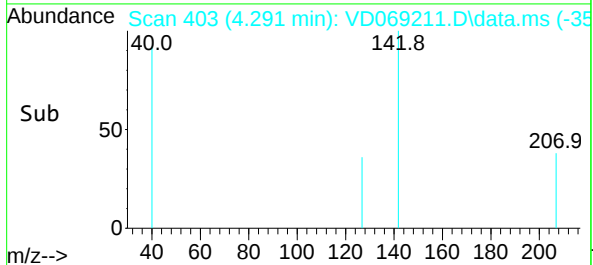
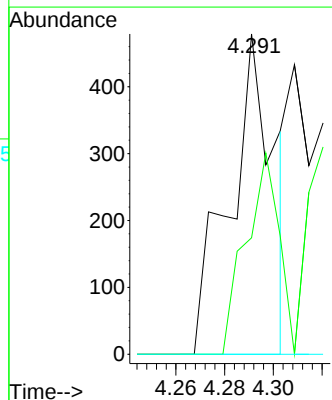
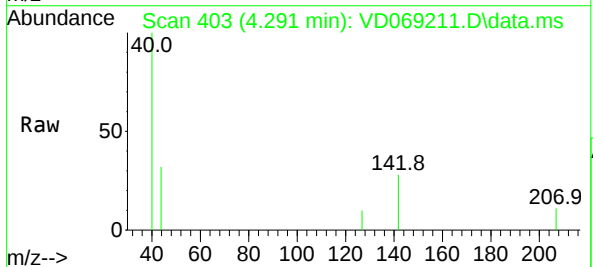
Instrument :
MSVOA_D
ClientSampleId :

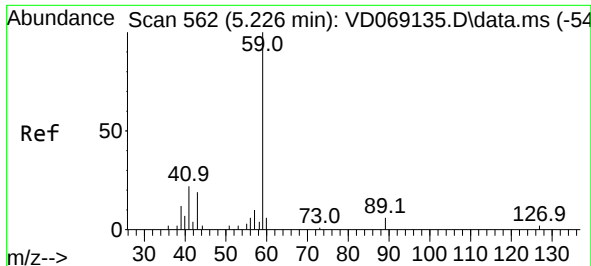
Tgt Ion:168 Resp: 207132
Ion Ratio Lower Upper
168 100
99 59.9 47.2 70.8



#10
Methyl Iodide
Concen: 1.17 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.011 min
Lab File: VD069211.D
Acq: 20 May 2021 11:29

Tgt Ion:142 Resp: 606
Ion Ratio Lower Upper
142 100
127 46.9 37.3 55.9
141 0.0 12.2 18.4#

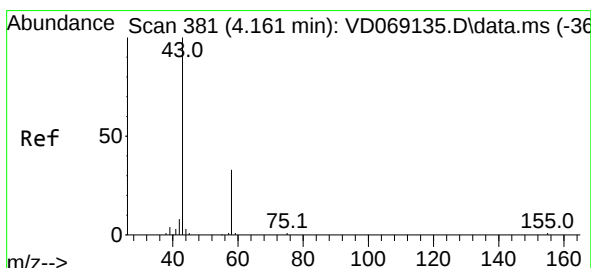
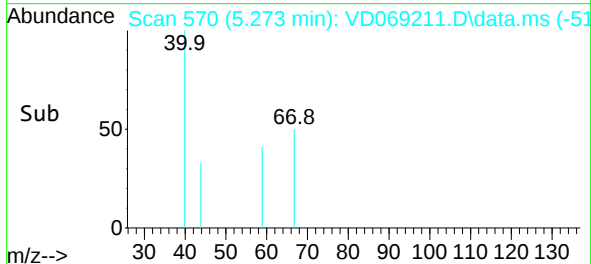
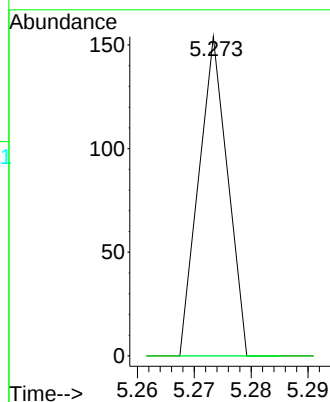
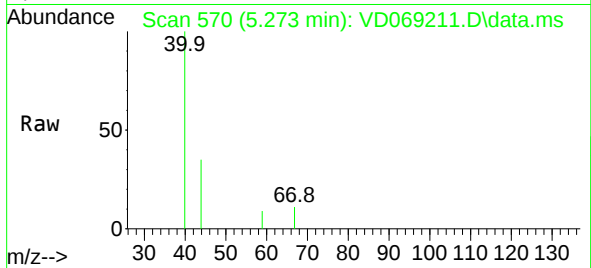




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.273 min Scan# 570
Delta R.T. 0.047 min
Lab File: VD069211.D
Acq: 20 May 2021 11:29

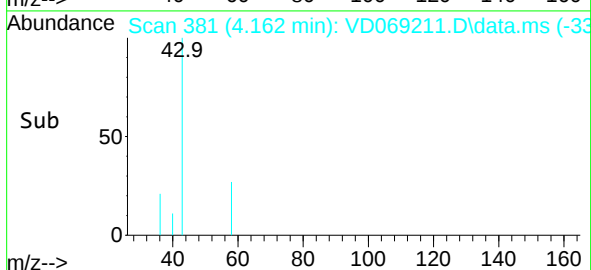
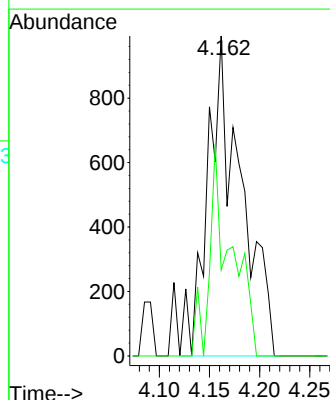
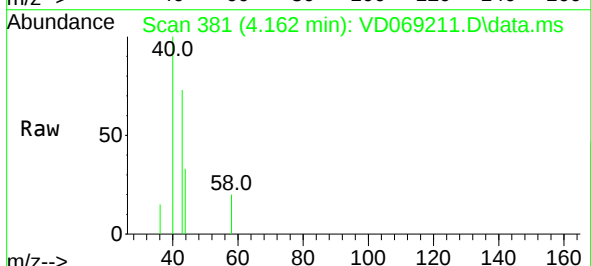
Instrument :
MSVOA_D
ClientSampleId :

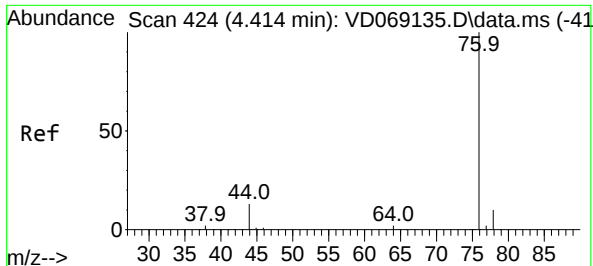
Tgt Ion: 59 Resp: 54
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 7.27 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD069211.D
Acq: 20 May 2021 11:29

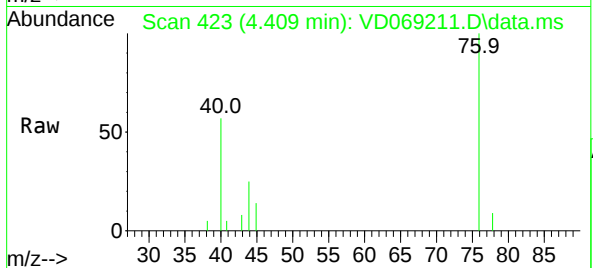
Tgt Ion: 43 Resp: 2312
Ion Ratio Lower Upper
43 100
58 26.9 26.7 40.1



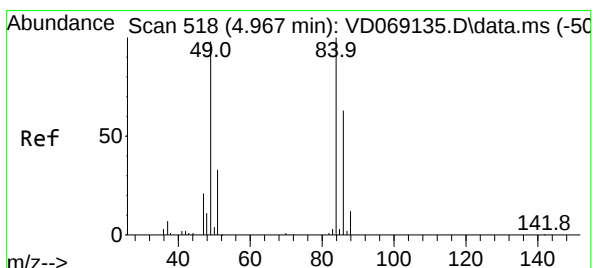
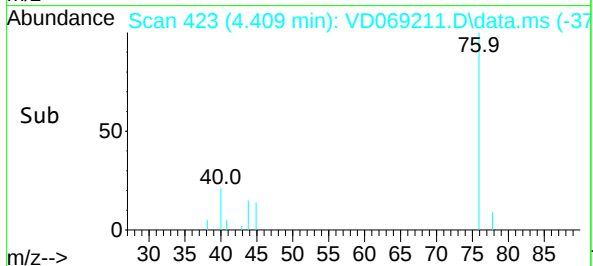
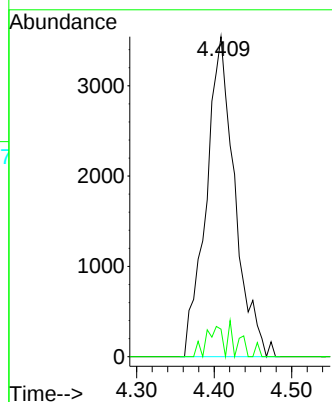


#17
Carbon Disulfide
Concen: 1.33 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.005 min
Lab File: VD069211.D
Acq: 20 May 2021 11:29

Instrument :
MSVOA_D
ClientSampleId :

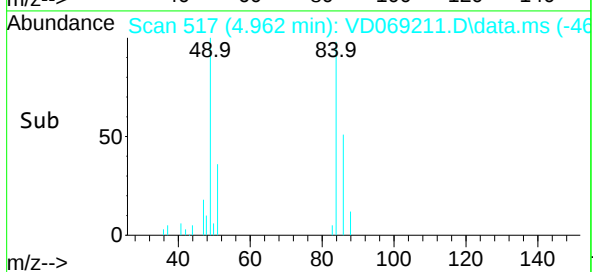
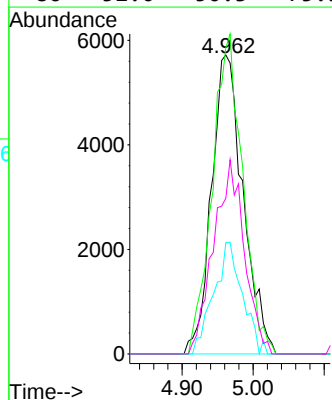
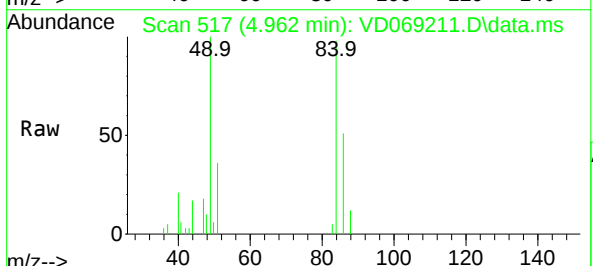


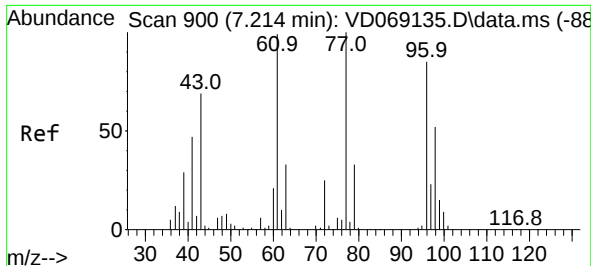
Tgt Ion: 76 Resp: 9105
Ion Ratio Lower Upper
76 100
78 8.6 8.1 12.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.005 min
Lab File: VD069211.D
Acq: 20 May 2021 11:29

Tgt Ion: 84 Resp: 17649
Ion Ratio Lower Upper
84 100
49 102.3 78.6 117.8
51 37.3 26.7 40.1
86 52.0 50.3 75.5

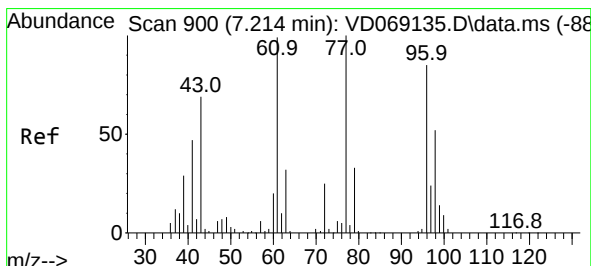
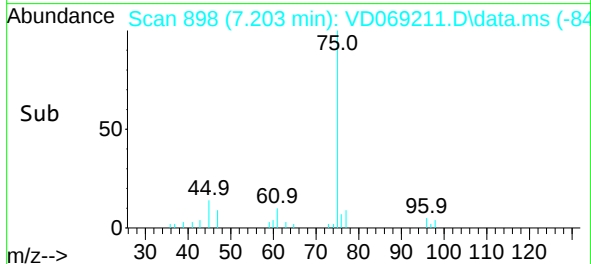
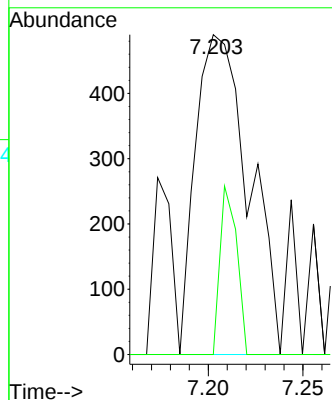
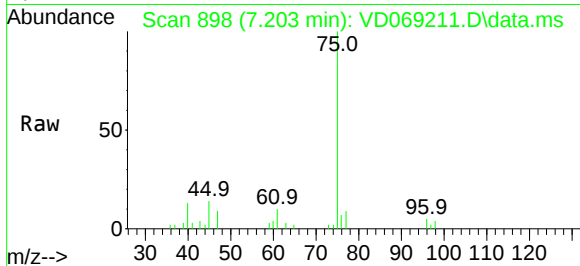




#25
2-Butanone
Concen: 2.23 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.011 min
Lab File: VD069211.D
Acq: 20 May 2021 11:29

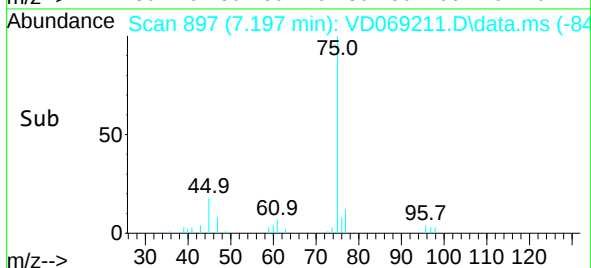
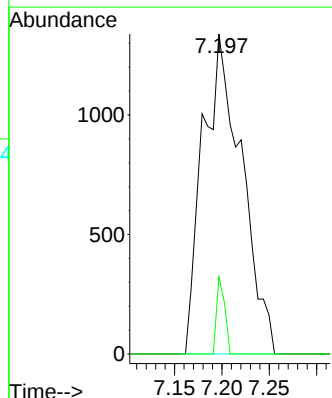
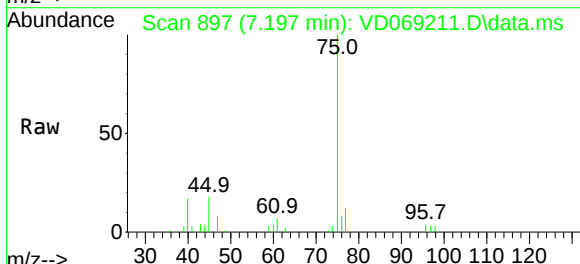
Instrument :
MSVOA_D
ClientSampled :

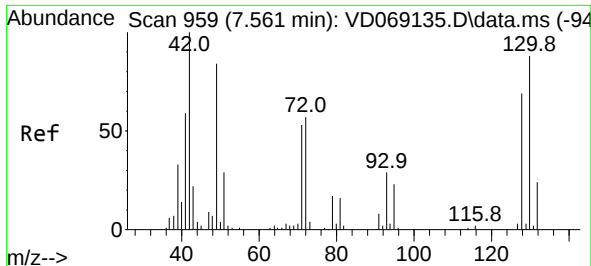
Tgt Ion: 43 Resp: 963
Ion Ratio Lower Upper
43 100
72 0.0 29.1 43.7#



#26
2,2-Dichloropropane
Concen: 1.04 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.017 min
Lab File: VD069211.D
Acq: 20 May 2021 11:29

Tgt Ion: 77 Resp: 3809
Ion Ratio Lower Upper
77 100
97 5.0 11.9 35.5#





#29

Tetrahydrofuran

Concen: 1.61 ug/l

RT: 7.567 min Scan# 960

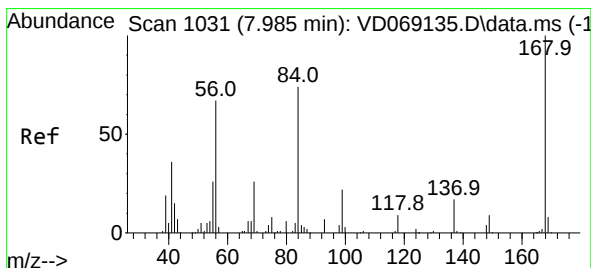
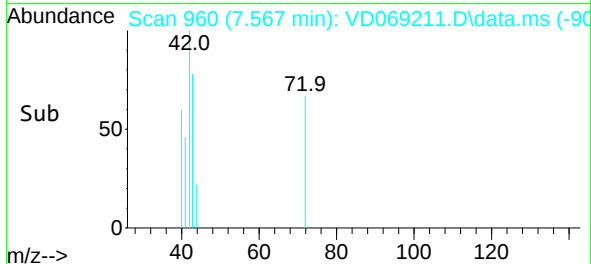
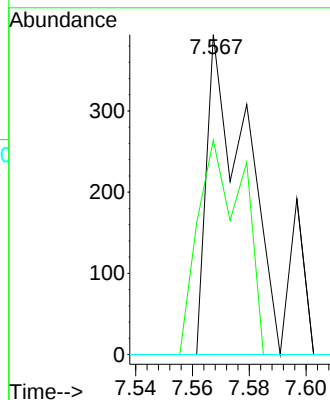
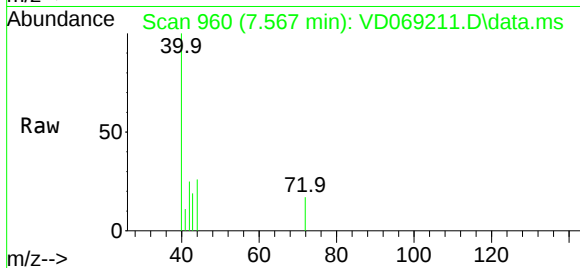
Delta R.T. 0.006 min

Lab File: VD069211.D

Acq: 20 May 2021 11:29

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:	42	Resp:	377
Ion	Ratio	Lower	Upper
42	100		
72	77.5	45.9	68.9#
71	0.0	42.9	64.3#



#31

Cyclohexane

Concen: 2.25 ug/l

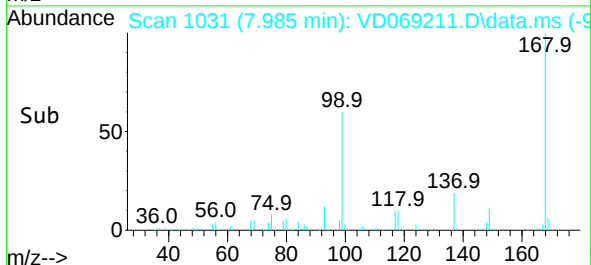
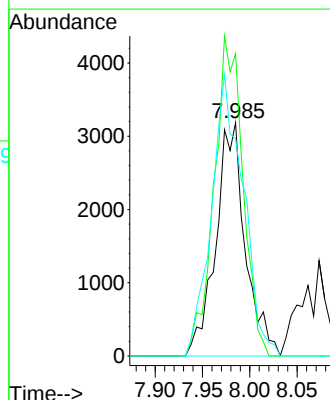
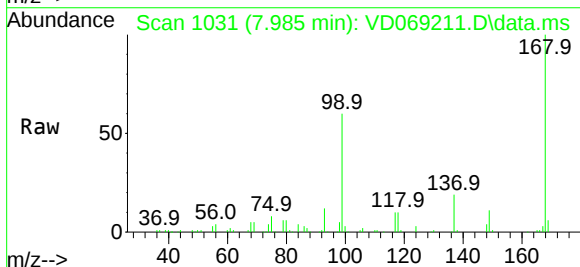
RT: 7.985 min Scan# 1031

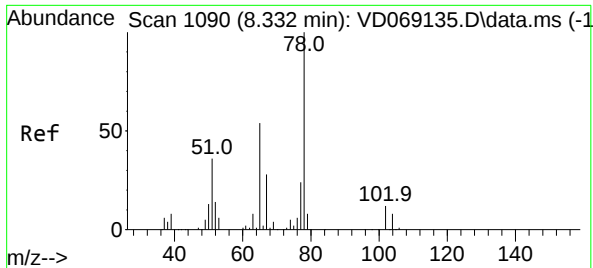
Delta R.T. 0.000 min

Lab File: VD069211.D

Acq: 20 May 2021 11:29

Tgt Ion:	56	Resp:	6909
Ion	Ratio	Lower	Upper
56	100		
69	129.5	30.6	46.0#
84	93.0	88.0	132.0

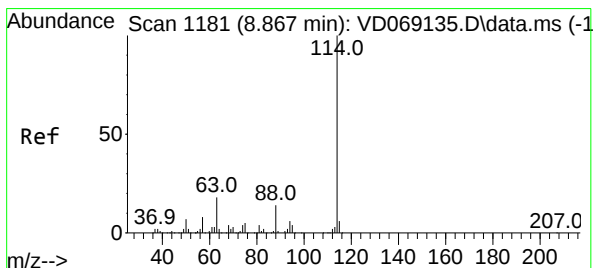
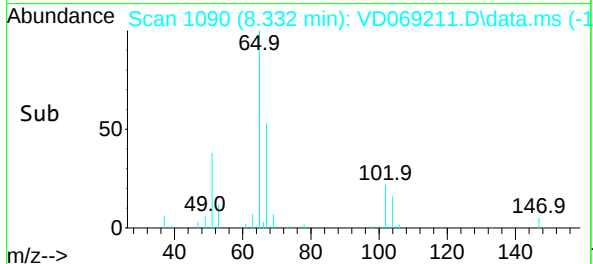
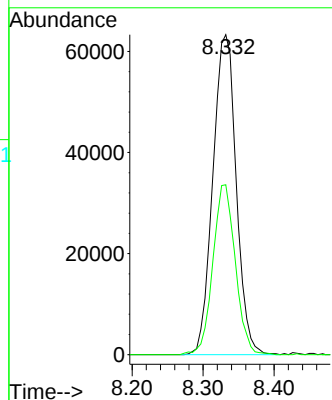
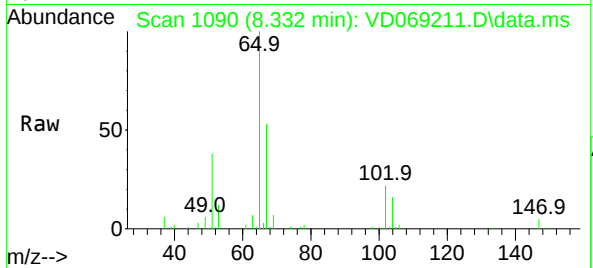




#33
1,2-Dichloroethane-d4
Concen: 69.57 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069211.D
Acq: 20 May 2021 11:29

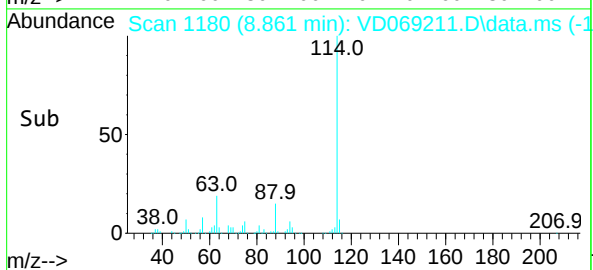
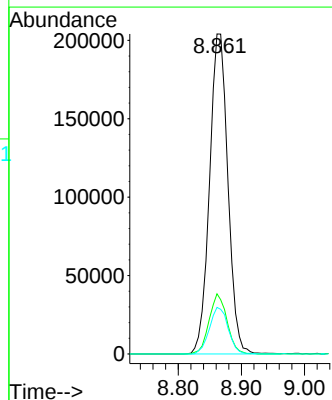
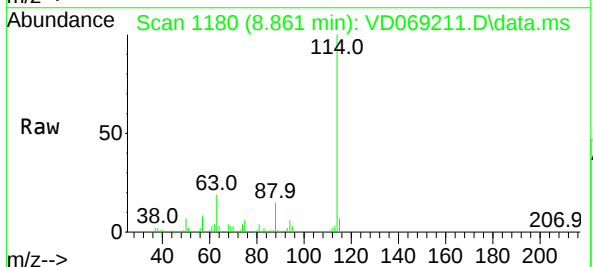
Instrument :
MSVOA_D
ClientSampleId :

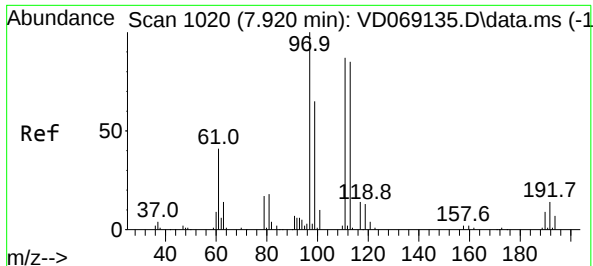
Tgt Ion: 65 Resp: 144471
Ion Ratio Lower Upper
65 100
67 51.1 0.0 108.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.005 min
Lab File: VD069211.D
Acq: 20 May 2021 11:29

Tgt Ion: 114 Resp: 412524
Ion Ratio Lower Upper
114 100
63 18.8 0.0 36.4
88 14.6 0.0 28.2





#35

Dibromofluoromethane

Concen: 55.39 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.005 min

Lab File: VD069211.D

Acq: 20 May 2021 11:29

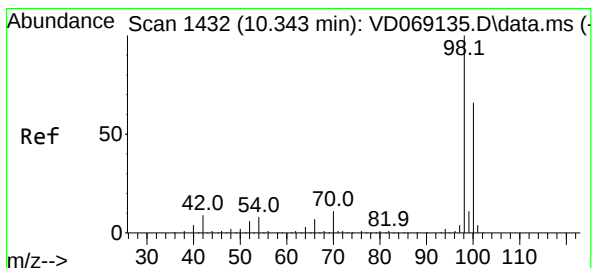
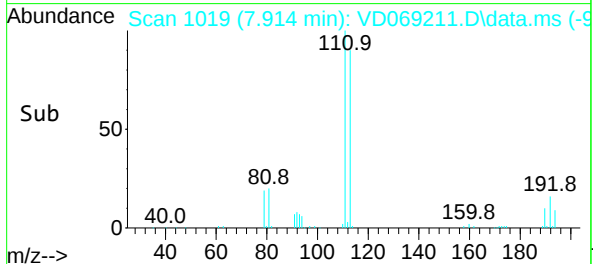
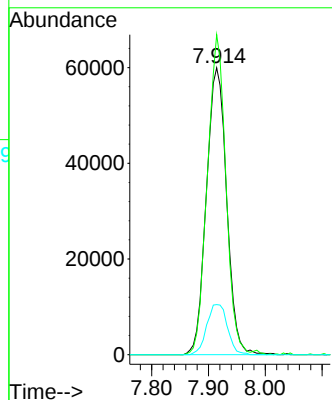
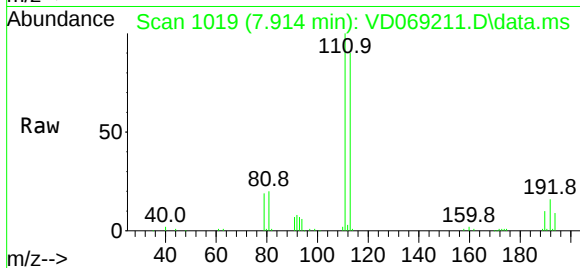
Tgt Ion:113 Resp: 148709

Ion Ratio Lower Upper

113 100

111 101.9 80.6 120.8

192 17.8 14.8 22.2



#50

Toluene-d8

Concen: 55.74 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.005 min

Lab File: VD069211.D

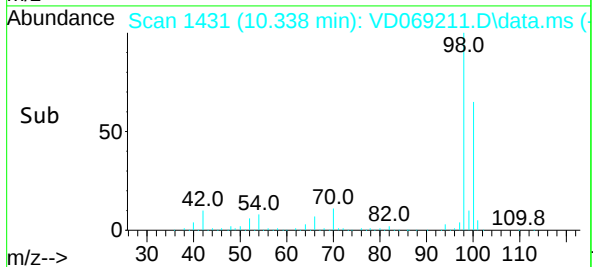
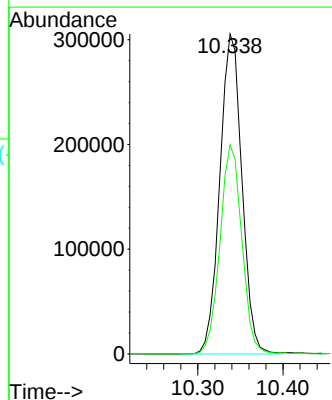
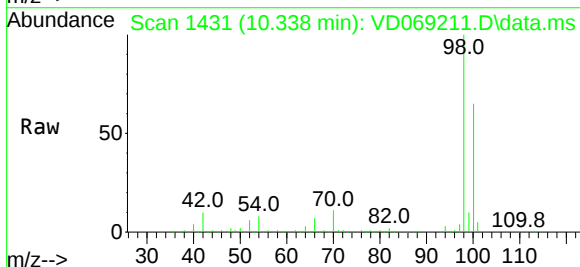
Acq: 20 May 2021 11:29

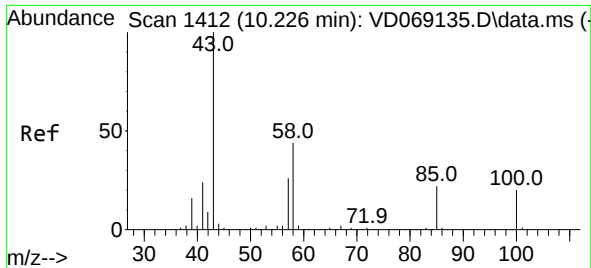
Tgt Ion: 98 Resp: 549810

Ion Ratio Lower Upper

98 100

100 64.7 51.8 77.8

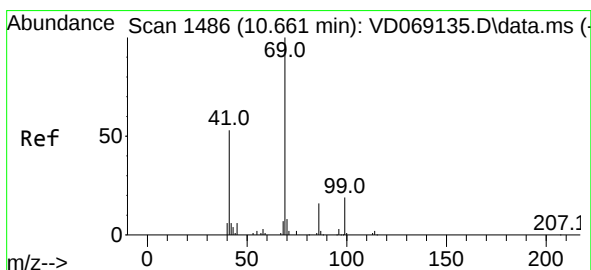
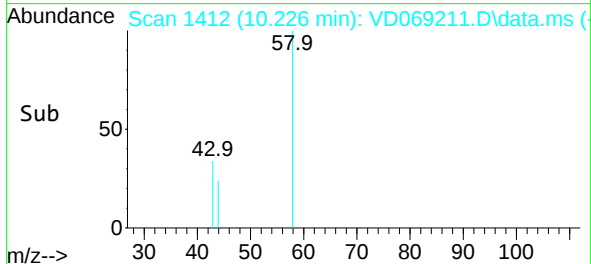
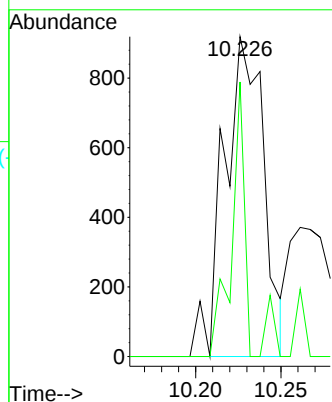
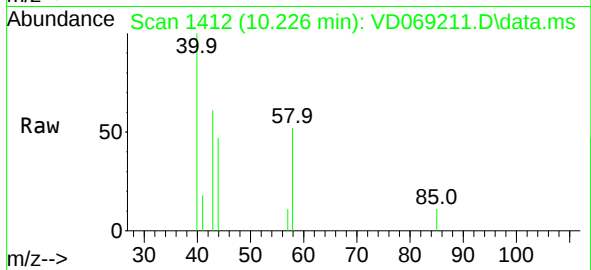




#51
4-Methyl-2-Pentanone
Concen: 1.24 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. 0.000 min
Lab File: VD069211.D
Acq: 20 May 2021 11:29

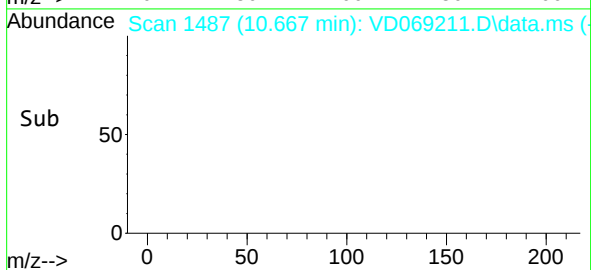
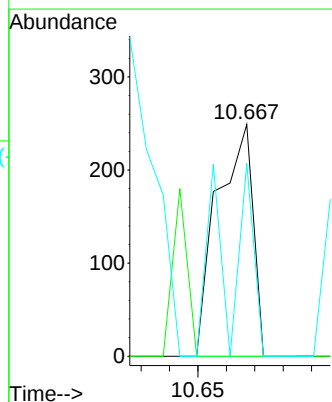
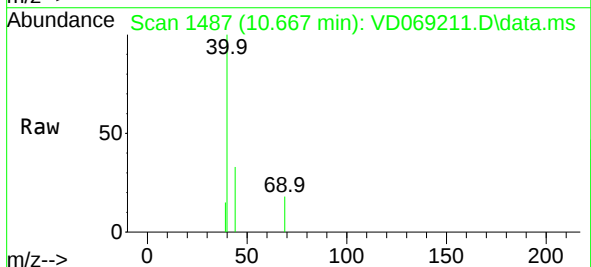
Instrument :
MSVOA_D
ClientSampleId :

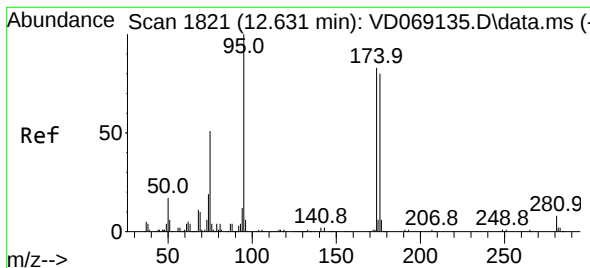
Tgt Ion: 43 Resp: 1488
Ion Ratio Lower Upper
43 100
58 27.7 35.0 52.4#



#56
Ethyl methacrylate
Concen: 1.40 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.006 min
Lab File: VD069211.D
Acq: 20 May 2021 11:29

Tgt Ion: 69 Resp: 216
Ion Ratio Lower Upper
69 100
41 0.0 42.2 63.2#
39 67.6 26.3 39.5#

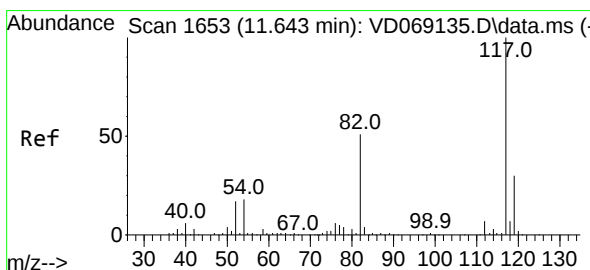
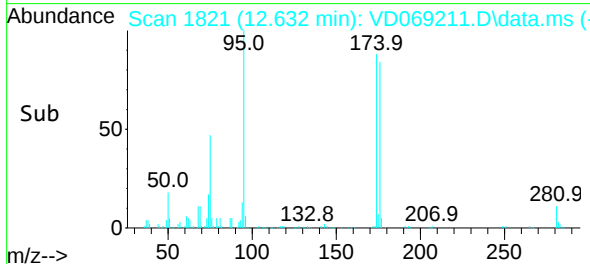
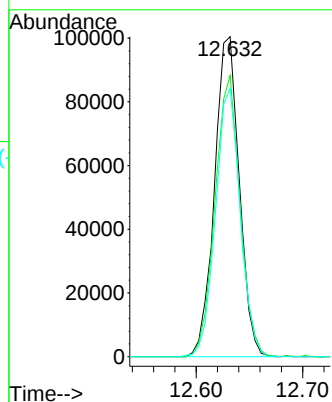
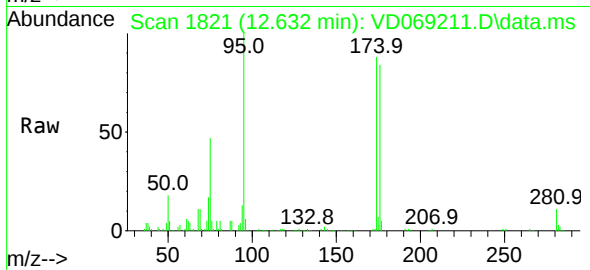




#62
4-Bromofluorobenzene
Concen: 51.01 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD069211.D
Acq: 20 May 2021 11:29

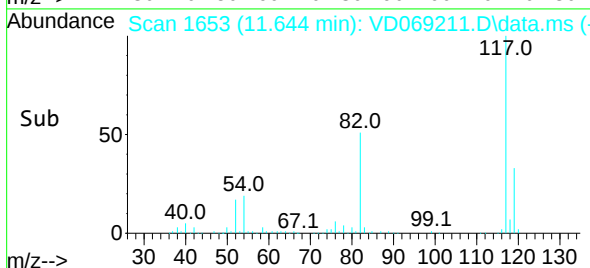
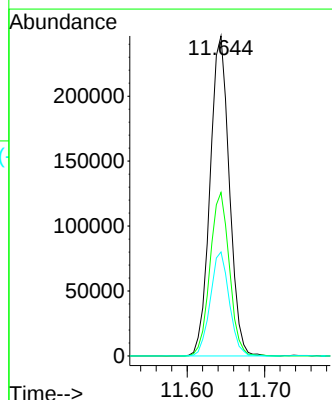
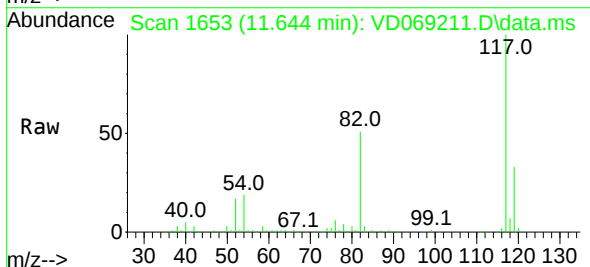
Instrument :
MSVOA_D
ClientSampleId :

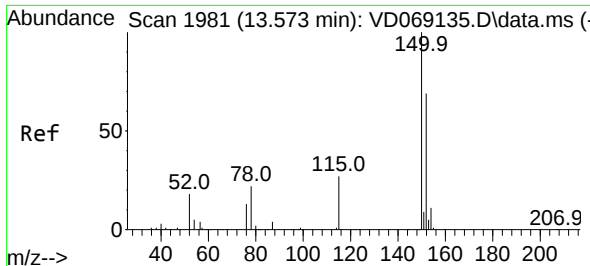
Tgt Ion: 95 Resp: 161911
Ion Ratio Lower Upper
95 100
174 88.6 0.0 171.8
176 83.3 0.0 165.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069211.D
Acq: 20 May 2021 11:29

Tgt Ion: 117 Resp: 426686
Ion Ratio Lower Upper
117 100
82 51.1 40.5 60.7
119 32.5 24.2 36.4

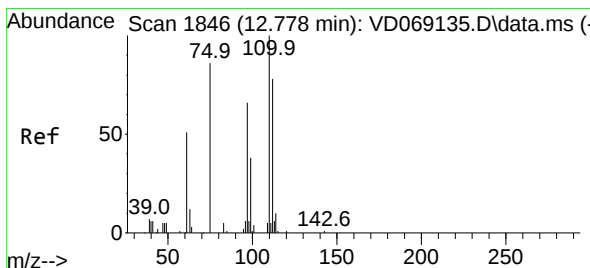
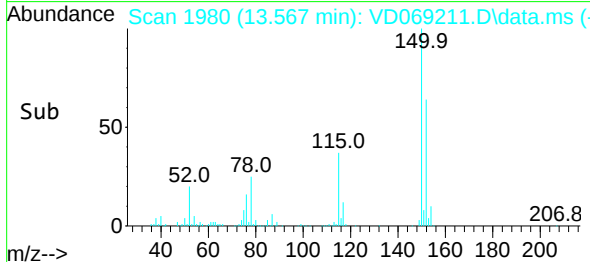
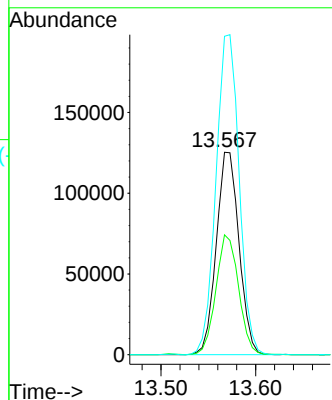
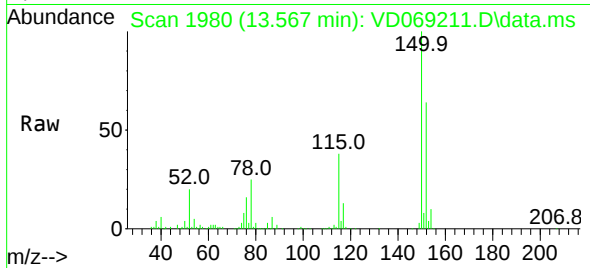




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.005 min
Lab File: VD069211.D
Acq: 20 May 2021 11:29

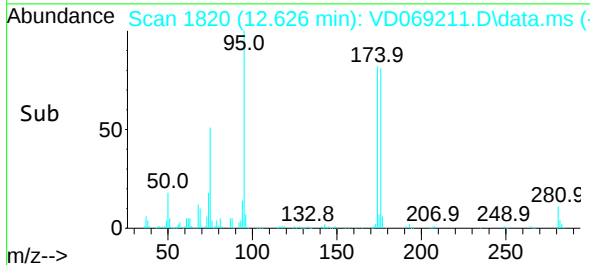
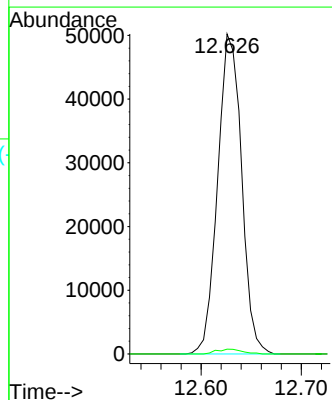
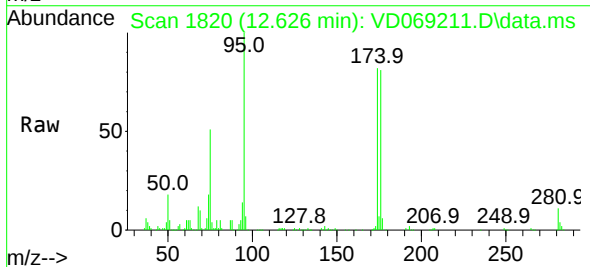
Instrument :
MSVOA_D
ClientSampleId :

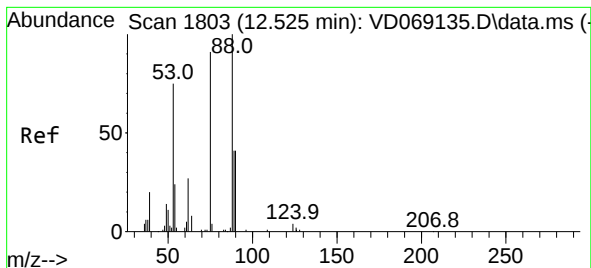
Tgt Ion:152 Resp: 209061
Ion Ratio Lower Upper
152 100
115 59.1 29.9 89.8
150 161.2 0.0 350.2



#76
1,2,3-Trichloropropane
Concen: 52.86 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069211.D
Acq: 20 May 2021 11:29

Tgt Ion: 75 Resp: 83070
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#

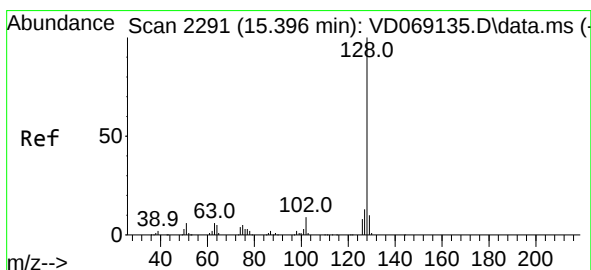
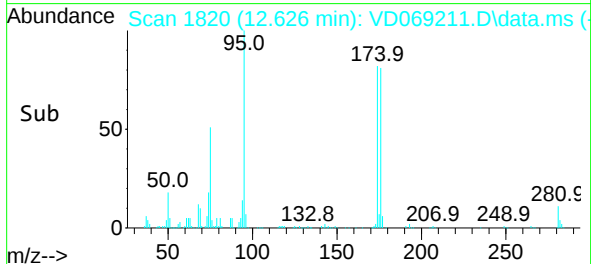
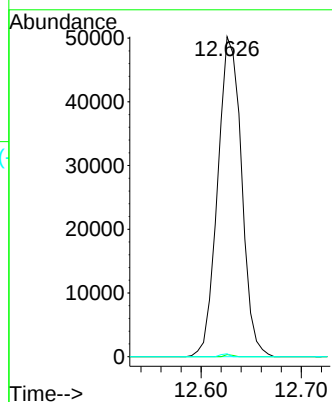
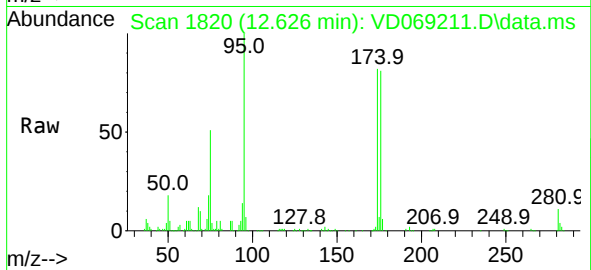




#81
trans-1,4-Dichloro-2-butene
Concen: 106.77 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069211.D
Acq: 20 May 2021 11:29

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 83070
Ion Ratio Lower Upper
75 100
53 0.2 70.0 105.0#
89 0.3 40.2 60.2#



#95
Naphthalene
Concen: 2.51 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.000 min
Lab File: VD069211.D
Acq: 20 May 2021 11:29

Tgt Ion:128 Resp: 3289
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 1.8 8.9 13.3#

