

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080921\
 Data File : VD070000.D
 Acq On : 09 Aug 2021 16:58
 Operator : VA/SY
 Sample : M3308-01RE
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 10 07:04:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

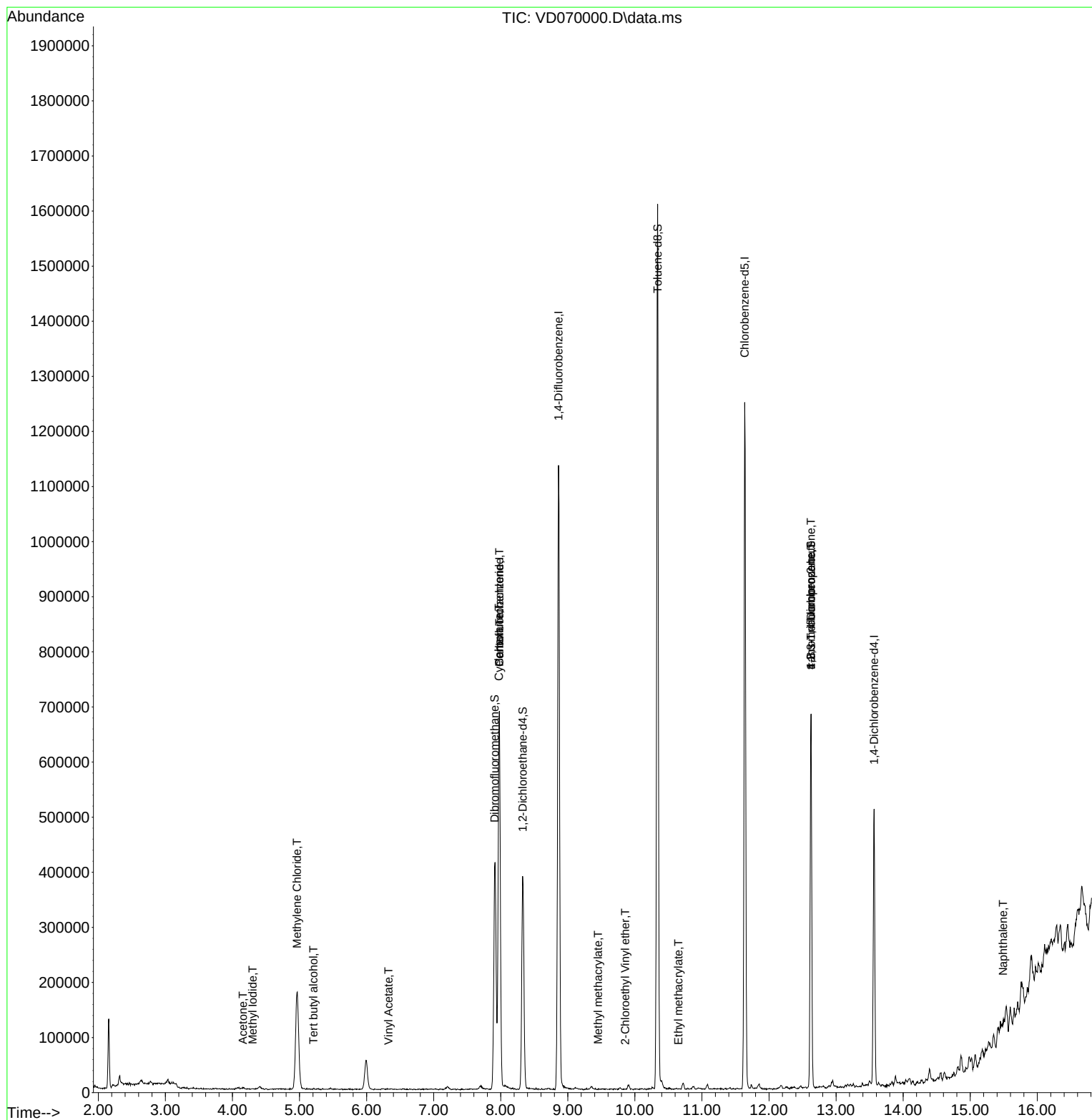
Internal Standards						
1) Pentafluorobenzene	7.979	168	483978	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	963592	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	712366	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	130516	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	303856	54.590	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.180%	
35) Dibromofluoromethane	7.908	113	309654	50.976	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.960%	
50) Toluene-d8	10.338	98	1080605	46.135	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 92.260%	
62) 4-Bromofluorobenzene	12.626	95	240044	30.665	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 61.320%	
Target Compounds						Qvalue
5) Bromomethane	2.773	94	3152	Below Cal	#	80
10) Methyl Iodide	4.303	142	2148	3.795	ug/l #	83
11) Tert butyl alcohol	5.209	59	794	2.757	ug/l #	73
16) Acetone	4.156	43	4538	4.513	ug/l #	77
20) Methylene Chloride	4.962	84	144545	15.486	ug/l	96
23) Vinyl Acetate	6.326	43	189	20.367	ug/l #	71
31) Cyclohexane	7.973	56	12802	1.177	ug/l #	1
38) Carbon Tetrachloride	7.979	117	52479	5.525	ug/l #	16
48) Methyl methacrylate	9.450	41	119	2.778	ug/l #	7
56) Ethyl methacrylate	10.650	69	208	3.924	ug/l #	58
58) 2-Chloroethyl Vinyl ether	9.855	63	53	20.886	ug/l #	48
76) 1,2,3-Trichloropropane	12.626	75	116359	83.875	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	116359	254.455	ug/l #	16
95) Naphthalene	15.490	128	621	5.130	ug/l	97

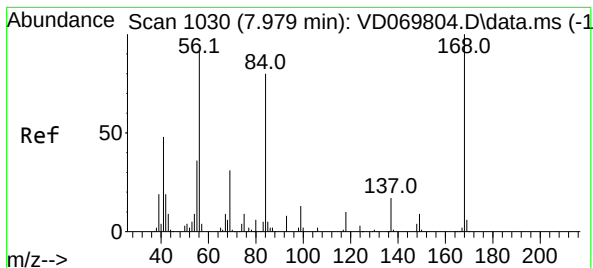
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD070000.D

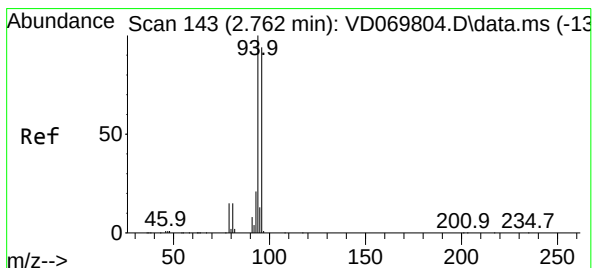
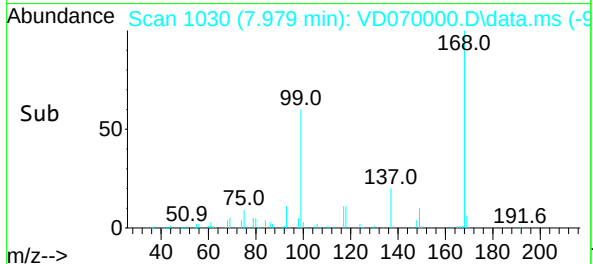
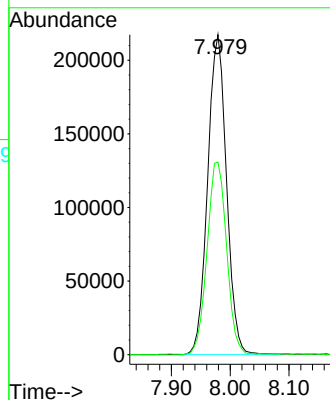
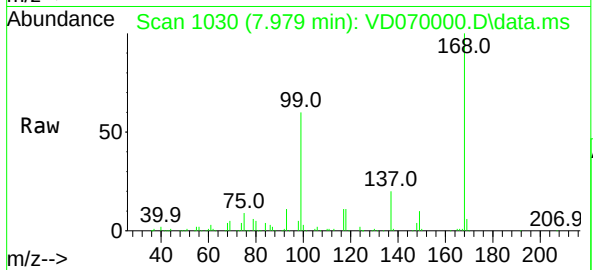
Acq: 09 Aug 2021 16:58

Tgt Ion:168 Resp: 483978

Ion Ratio Lower Upper

168 100

99 60.0 51.1 76.7



#5

Bromomethane

Concen: Below Cal

RT: 2.773 min Scan# 145

Delta R.T. 0.011 min

Lab File: VD070000.D

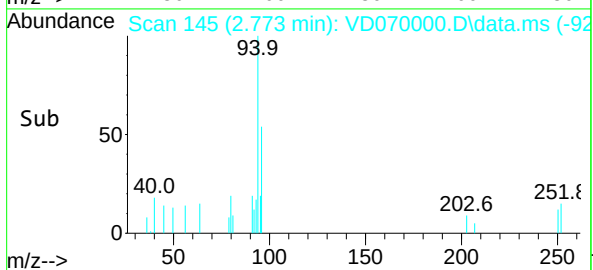
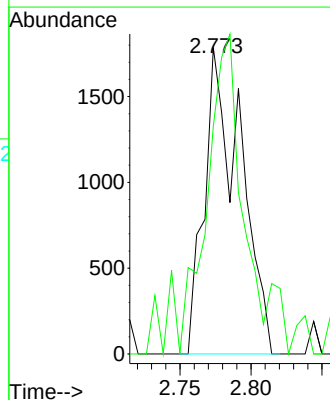
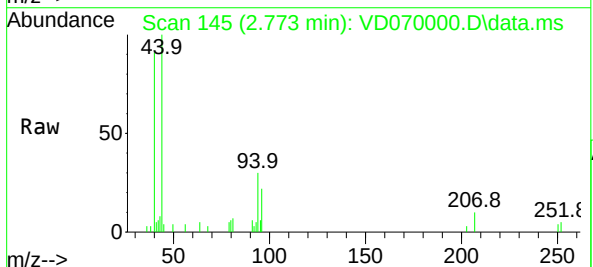
Acq: 09 Aug 2021 16:58

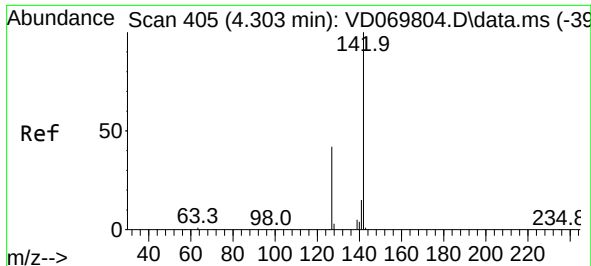
Tgt Ion: 94 Resp: 3152

Ion Ratio Lower Upper

94 100

96 74.4 74.8 112.2#

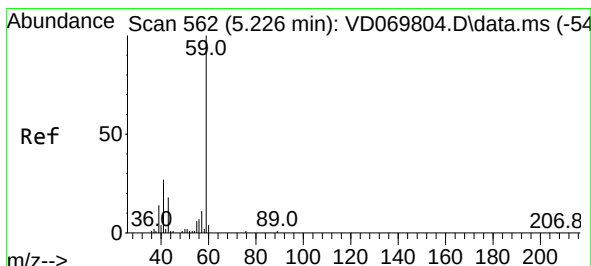
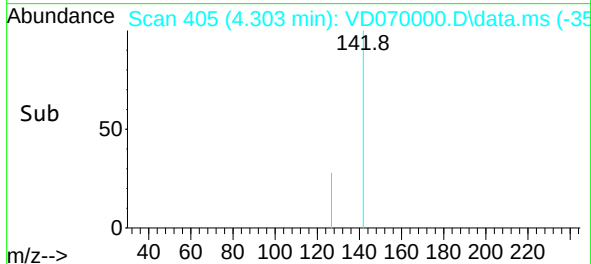
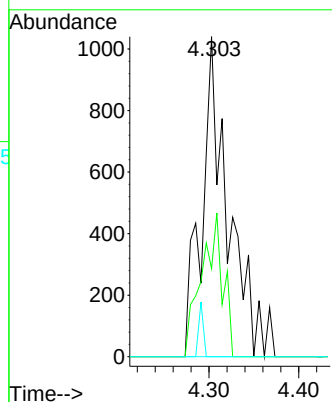
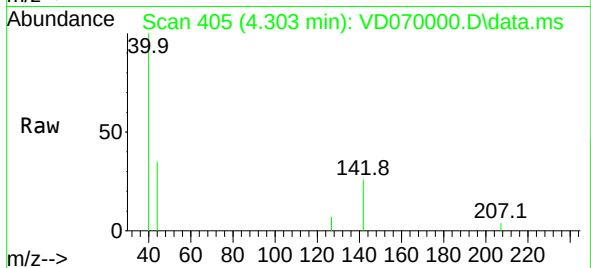




#10
Methyl Iodide
Concen: 3.795 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD070000.D
Acq: 09 Aug 2021 16:58

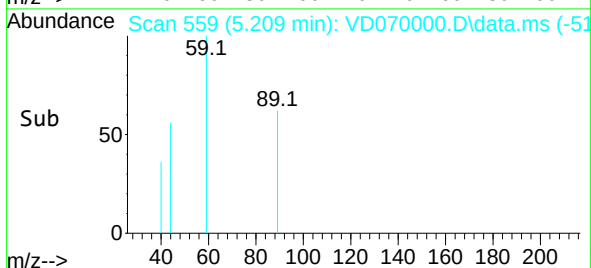
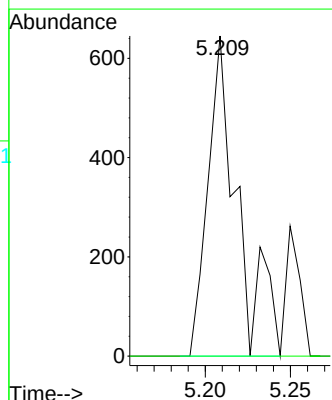
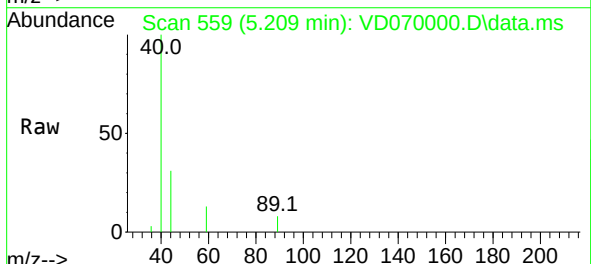
Instrument :
MSVOA_D
ClientSampled :

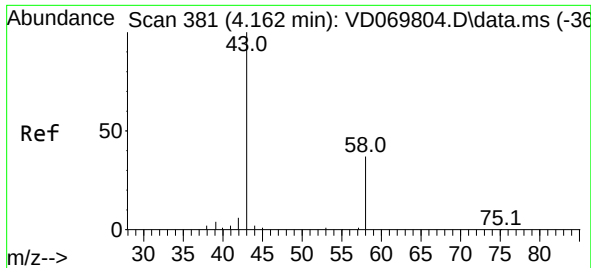
Tgt Ion:142 Resp: 2148
Ion Ratio Lower Upper
142 100
127 35.8 35.7 53.5
141 2.9 12.0 18.0#



#11
Tert butyl alcohol
Concen: 2.757 ug/l
RT: 5.209 min Scan# 559
Delta R.T. -0.018 min
Lab File: VD070000.D
Acq: 09 Aug 2021 16:58

Tgt Ion: 59 Resp: 794
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

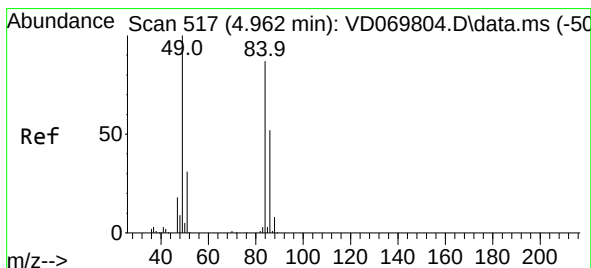
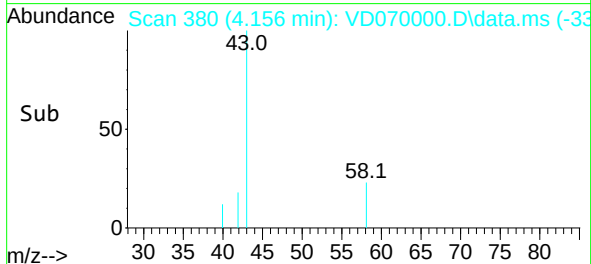
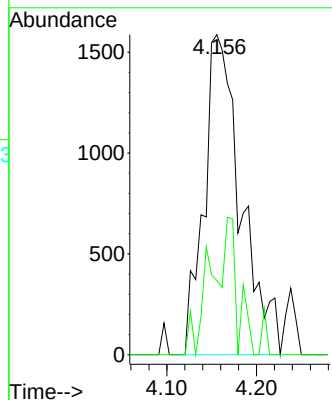
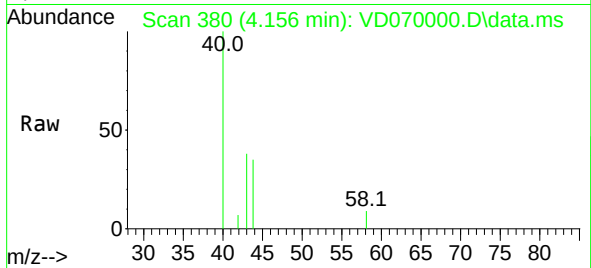




#16
Acetone
Concen: 4.513 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD070000.D
Acq: 09 Aug 2021 16:58

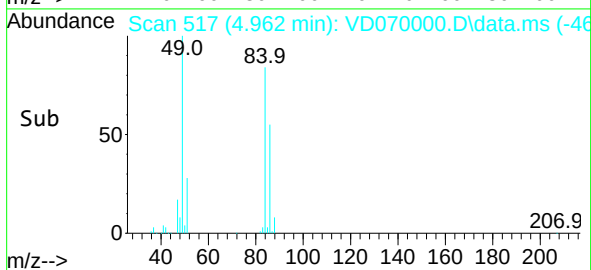
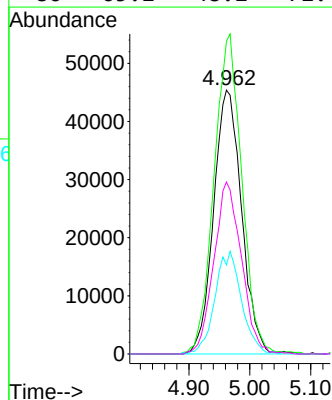
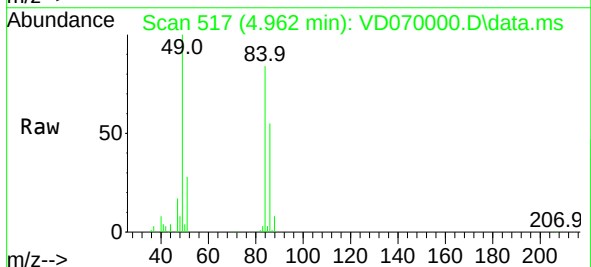
Instrument :
MSVOA_D
ClientSampleId :

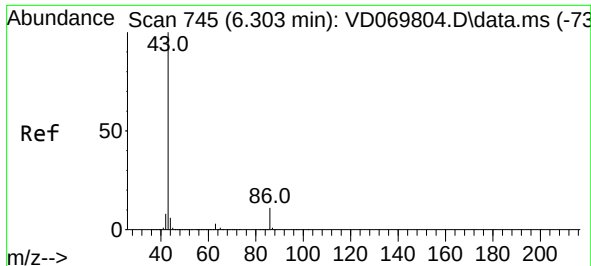
Tgt Ion: 43 Resp: 4538
Ion Ratio Lower Upper
43 100
58 23.1 29.4 44.0#



#20
Methylene Chloride
Concen: 15.486 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD070000.D
Acq: 09 Aug 2021 16:58

Tgt Ion: 84 Resp: 144545
Ion Ratio Lower Upper
84 100
49 118.5 92.4 138.6
51 33.7 28.5 42.7
86 65.2 48.2 72.4

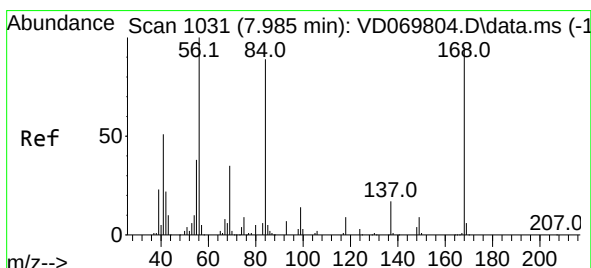
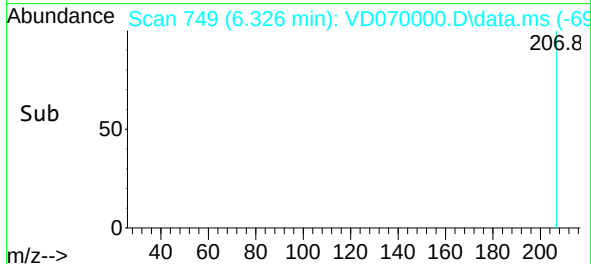
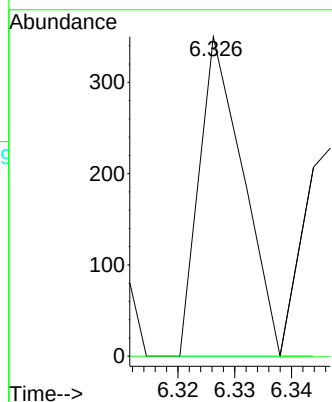
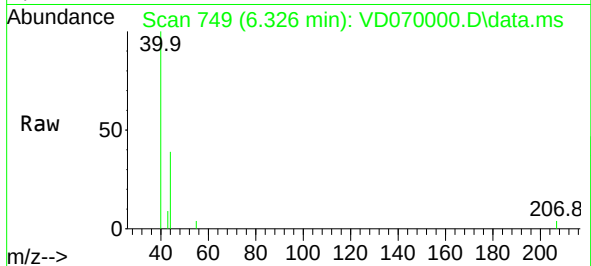




#23
 Vinyl Acetate
 Concen: 20.367 ug/l
 RT: 6.326 min Scan# 749
 Delta R.T. 0.023 min
 Lab File: VD070000.D
 Acq: 09 Aug 2021 16:58

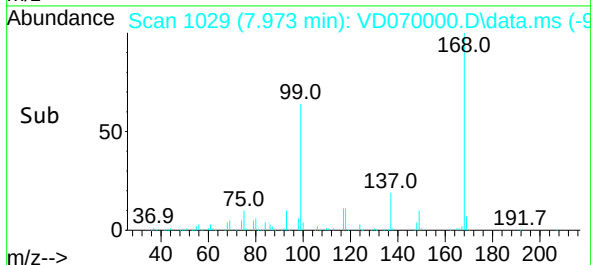
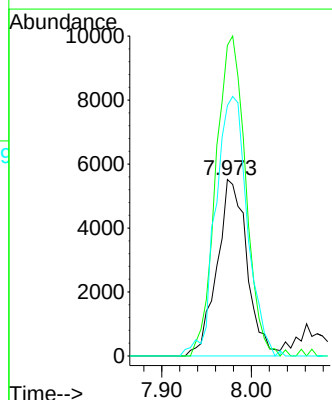
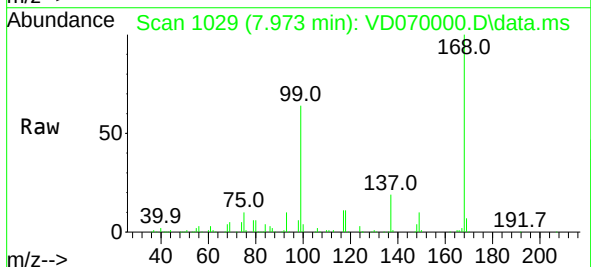
Instrument :
 MSVOA_D
 ClientSampled :

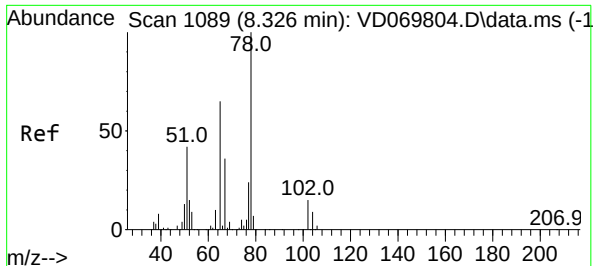
Tgt Ion: 43 Resp: 189
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#31
 Cyclohexane
 Concen: 1.177 ug/l
 RT: 7.973 min Scan# 1029
 Delta R.T. -0.012 min
 Lab File: VD070000.D
 Acq: 09 Aug 2021 16:58

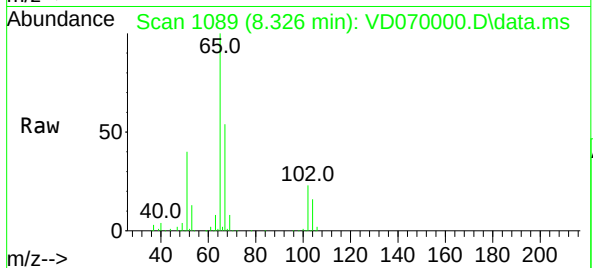
Tgt Ion: 56 Resp: 12802
 Ion Ratio Lower Upper
 56 100
 69 176.0 27.9 41.9#
 84 141.9 71.4 107.2#



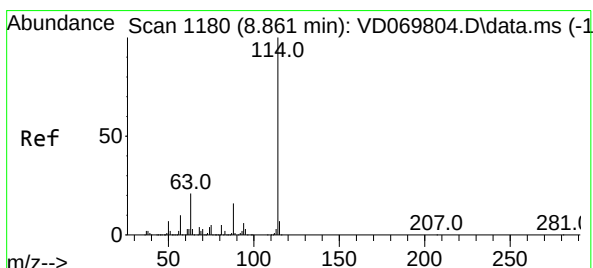
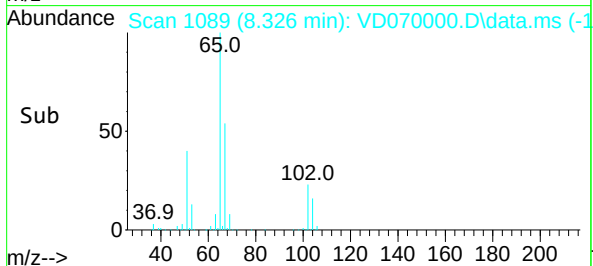
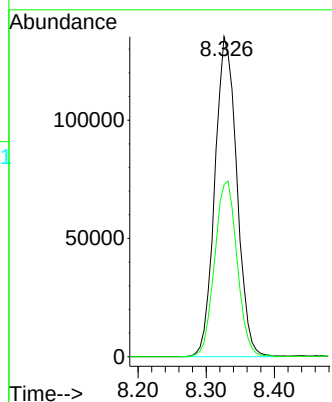


#33
1,2-Dichloroethane-d4
Concen: 54.590 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070000.D
Acq: 09 Aug 2021 16:58

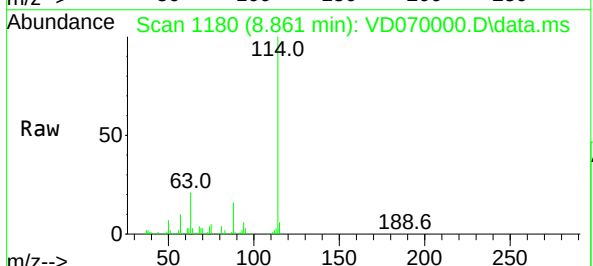
Instrument :
MSVOA_D
ClientSampled :



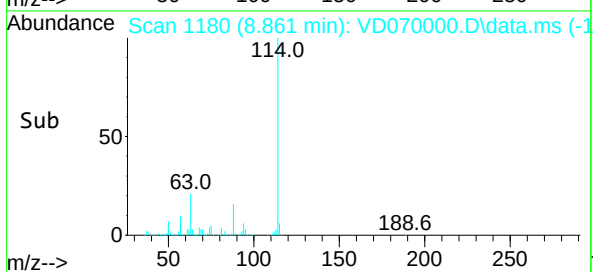
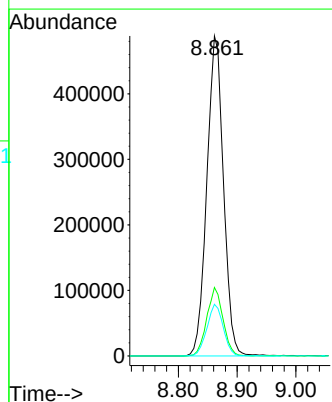
Tgt Ion: 65 Resp: 303856
Ion Ratio Lower Upper
65 100
67 56.1 0.0 111.2

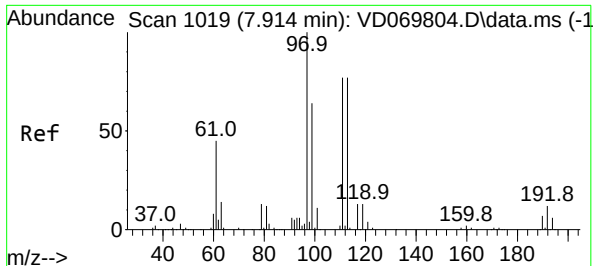


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070000.D
Acq: 09 Aug 2021 16:58



Tgt Ion: 114 Resp: 963592
Ion Ratio Lower Upper
114 100
63 21.4 0.0 41.6
88 16.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.976 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070000.D

Acq: 09 Aug 2021 16:58

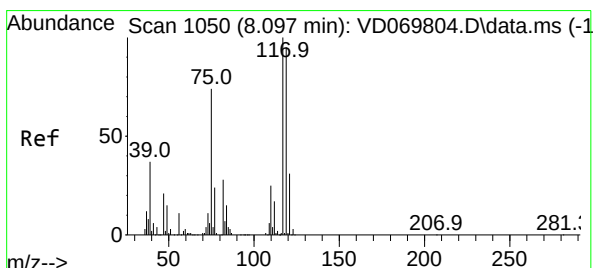
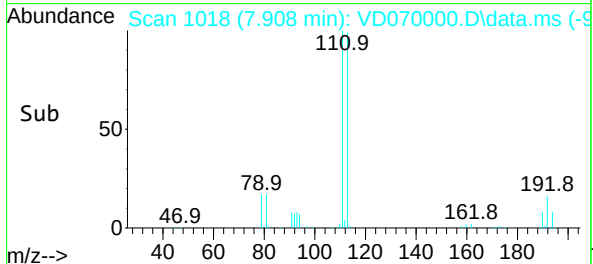
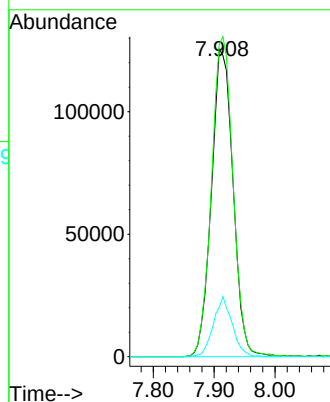
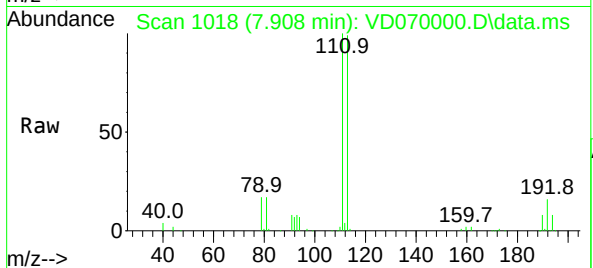
Tgt Ion:113 Resp: 309654

Ion Ratio Lower Upper

113 100

111 103.9 80.5 120.7

192 17.0 12.6 19.0



#38

Carbon Tetrachloride

Concen: 5.525 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

Lab File: VD070000.D

Acq: 09 Aug 2021 16:58

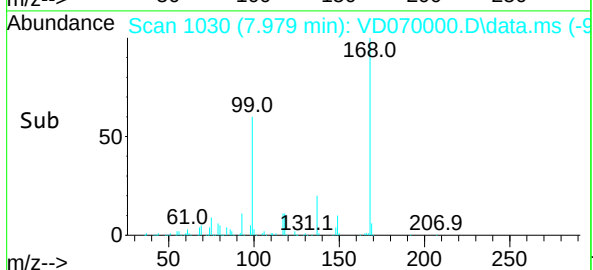
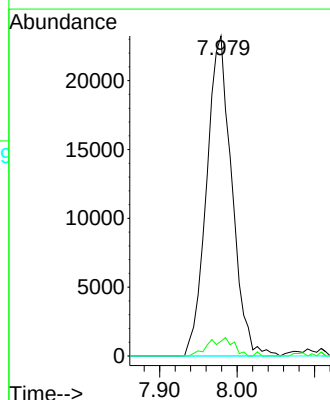
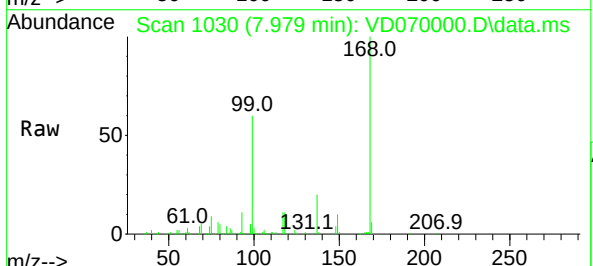
Tgt Ion:117 Resp: 52479

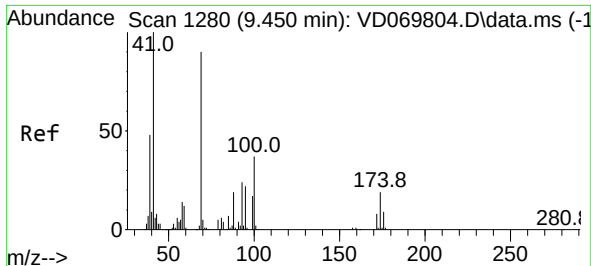
Ion Ratio Lower Upper

117 100

119 4.6 76.2 114.2#

121 0.0 24.5 36.7#

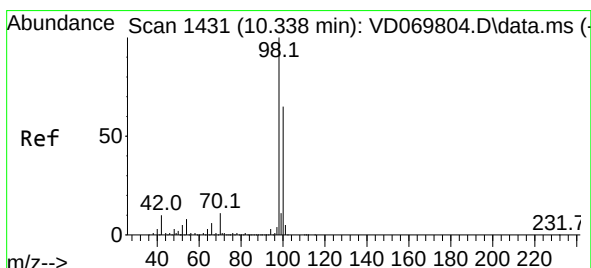
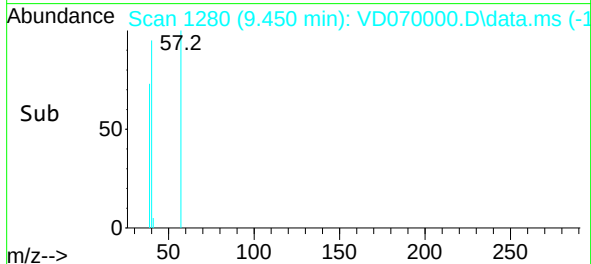
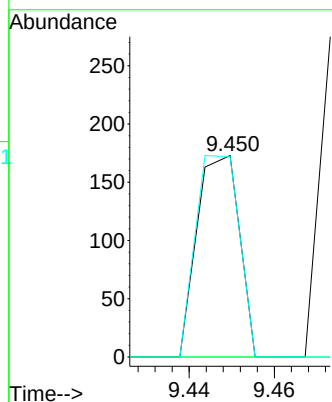
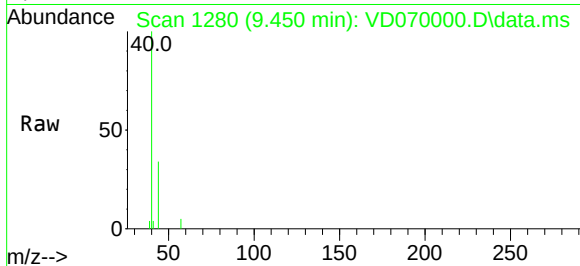




#48
Methyl methacrylate
Concen: 2.778 ug/l
RT: 9.450 min Scan# 1280
Delta R.T. -0.000 min
Lab File: VD070000.D
Acq: 09 Aug 2021 16:58

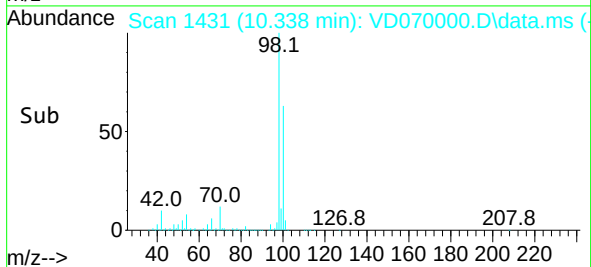
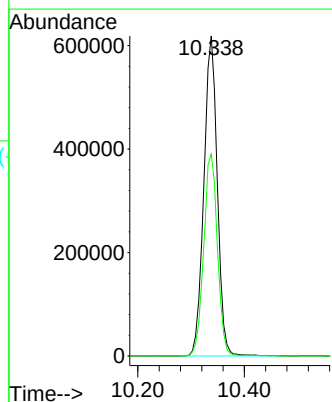
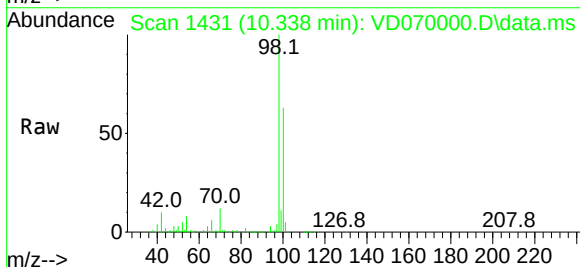
Instrument :
MSVOA_D
ClientSampled :

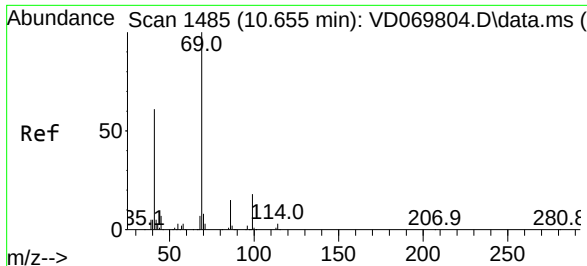
Tgt Ion: 41 Resp: 119
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 102.5 36.6 55.0#



#50
Toluene-d8
Concen: 46.135 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070000.D
Acq: 09 Aug 2021 16:58

Tgt Ion: 98 Resp: 1080605
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9

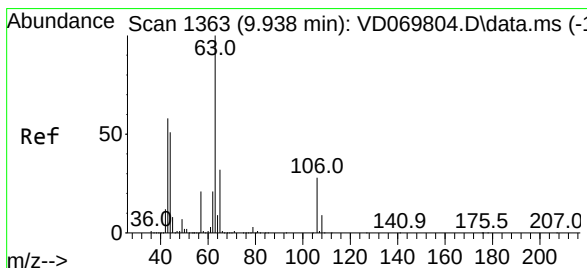
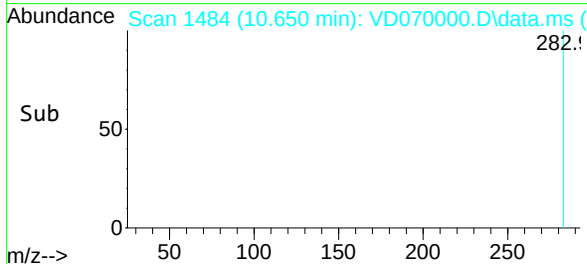
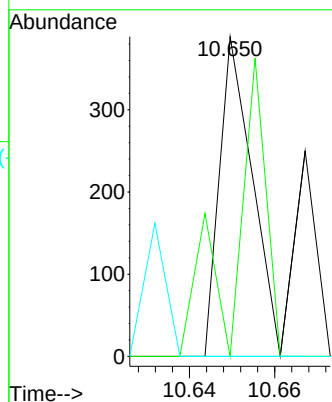
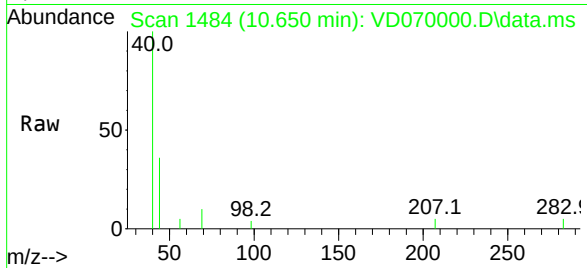




#56
Ethyl methacrylate
Concen: 3.924 ug/l
RT: 10.650 min Scan# 1484
Delta R.T. -0.005 min
Lab File: VD070000.D
Acq: 09 Aug 2021 16:58

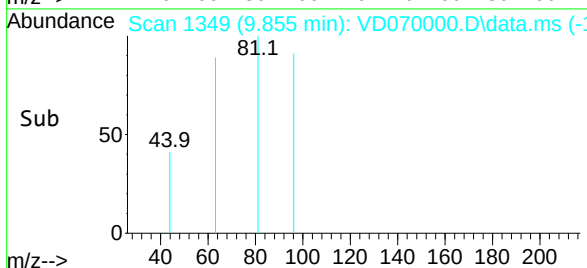
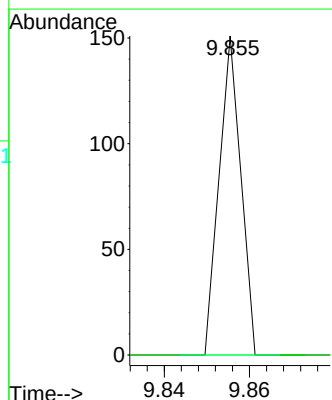
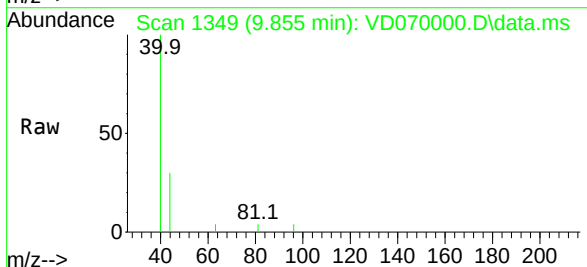
Instrument :
MSVOA_D
ClientSampled :

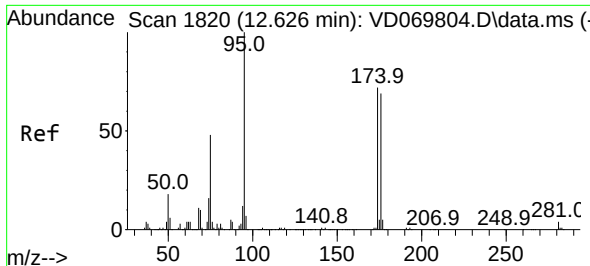
Tgt Ion: 69 Resp: 208
Ion Ratio Lower Upper
69 100
41 91.3 50.2 75.2#
39 0.0 22.0 33.0#



#58
2-Chloroethyl Vinyl ether
Concen: 20.886 ug/l
RT: 9.855 min Scan# 1349
Delta R.T. -0.083 min
Lab File: VD070000.D
Acq: 09 Aug 2021 16:58

Tgt Ion: 63 Resp: 53
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#

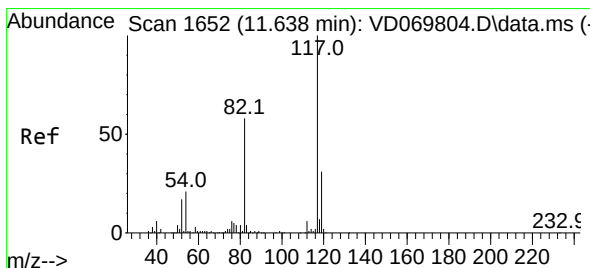
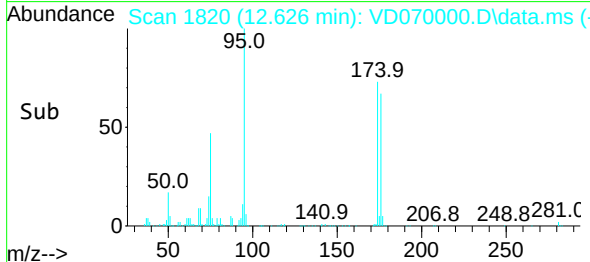
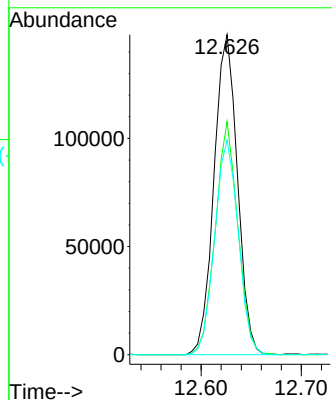
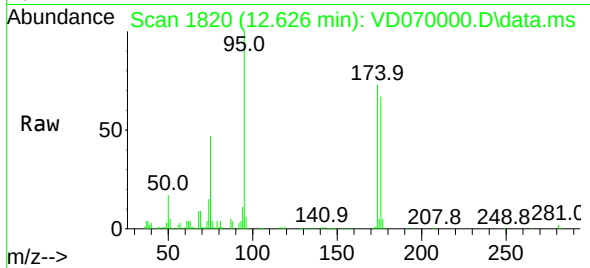




#62
4-Bromofluorobenzene
Concen: 30.665 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070000.D
Acq: 09 Aug 2021 16:58

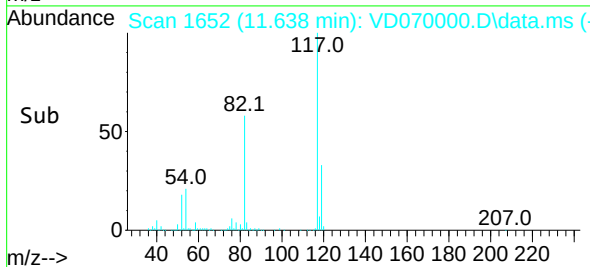
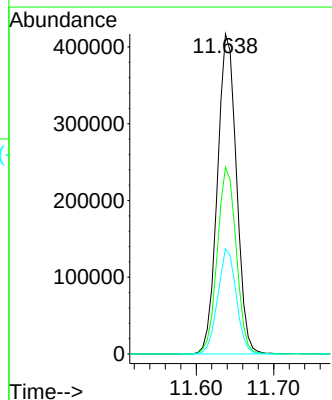
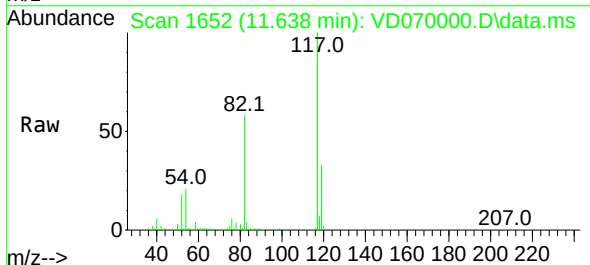
Instrument :
MSVOA_D
ClientSampleId :

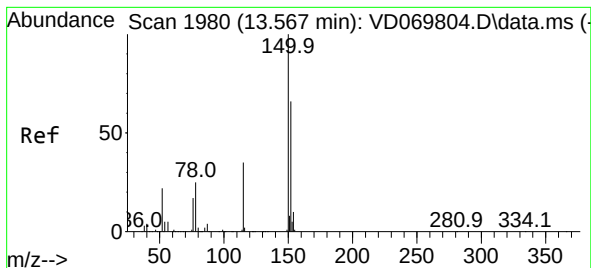
Tgt Ion: 95 Resp: 240044
Ion Ratio Lower Upper
95 100
174 70.5 0.0 142.6
176 67.5 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070000.D
Acq: 09 Aug 2021 16:58

Tgt Ion: 117 Resp: 712366
Ion Ratio Lower Upper
117 100
82 58.4 46.3 69.5
119 33.0 24.7 37.1

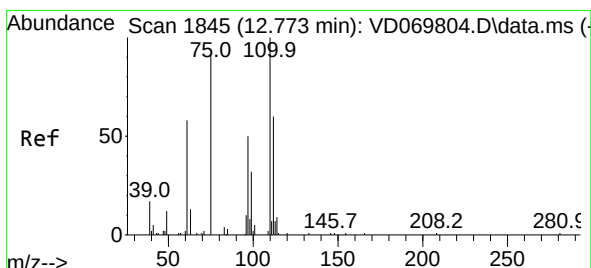
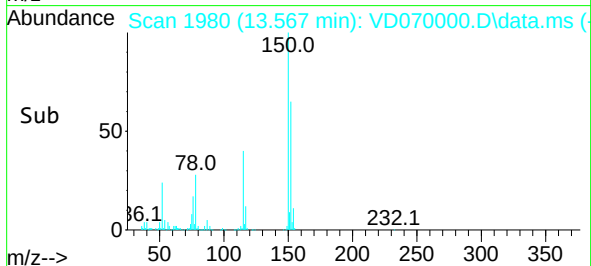
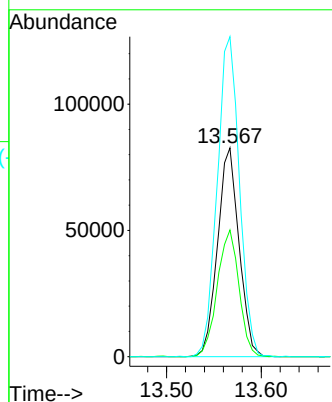
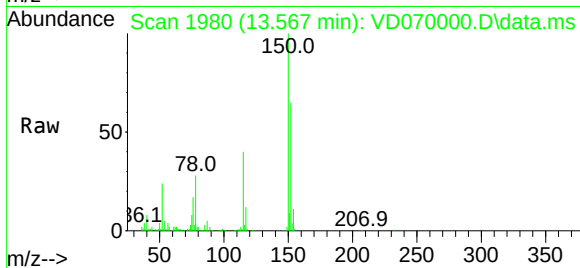




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070000.D
Acq: 09 Aug 2021 16:58

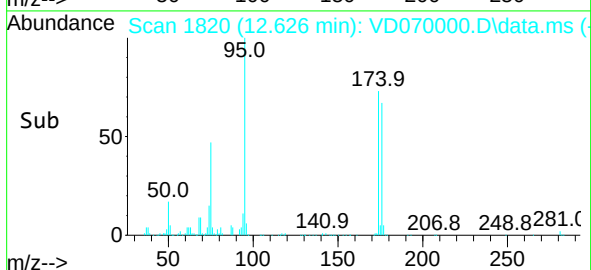
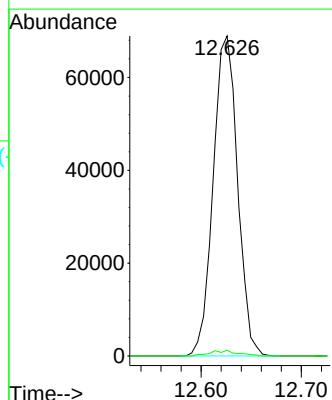
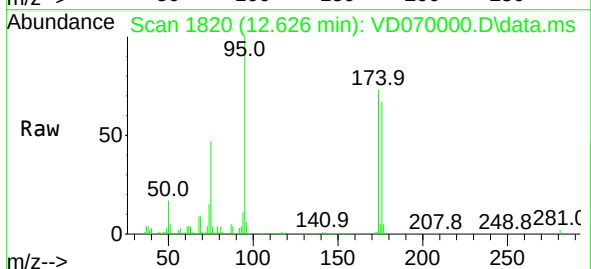
Instrument :
MSVOA_D
ClientSampled :

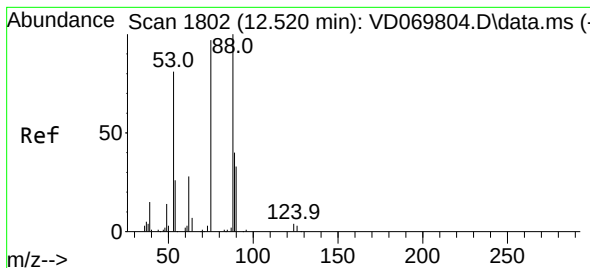
Tgt Ion:152 Resp: 130516
Ion Ratio Lower Upper
152 100
115 61.3 31.1 93.3
150 158.2 0.0 343.0



#76
1,2,3-Trichloropropane
Concen: 83.875 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070000.D
Acq: 09 Aug 2021 16:58

Tgt Ion: 75 Resp: 116359
Ion Ratio Lower Upper
75 100
77 1.9 181.5 544.5#

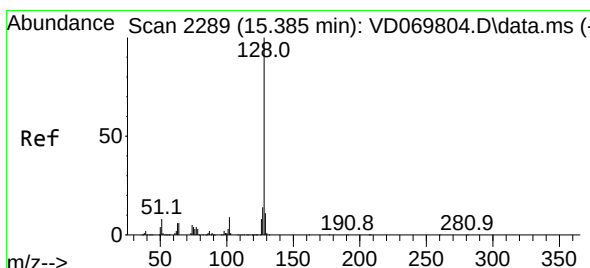
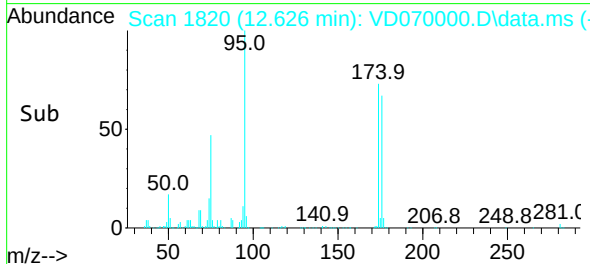
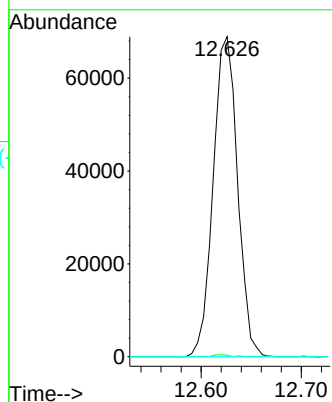
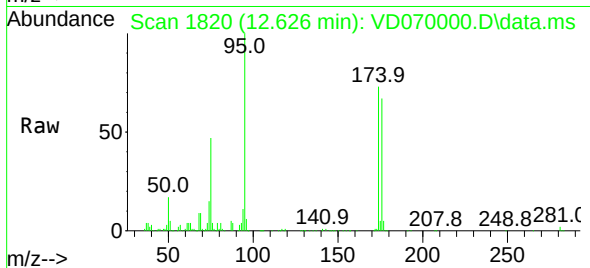




#81
 trans-1,4-Dichloro-2-butene
 Concen: 254.455 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD070000.D
 Acq: 09 Aug 2021 16:58

Instrument :
 MSVOA_D
 ClientSampled :

Tgt Ion: 75 Resp: 116359
 Ion Ratio Lower Upper
 75 100
 53 0.4 67.2 100.8#
 89 0.0 35.8 53.6#



#95
 Naphthalene
 Concen: 5.130 ug/l
 RT: 15.490 min Scan# 2307
 Delta R.T. 0.105 min
 Lab File: VD070000.D
 Acq: 09 Aug 2021 16:58

Tgt Ion:128 Resp: 621
 Ion Ratio Lower Upper
 128 100
 127 14.7 10.6 16.0
 129 11.6 8.6 12.8

