

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072021\
 Data File : VD069775.D
 Acq On : 20 Jul 2021 17:45
 Operator : VA/SY
 Sample : M3038-05
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 21 03:27:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 06:00:31 2021
 Response via : Initial Calibration

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

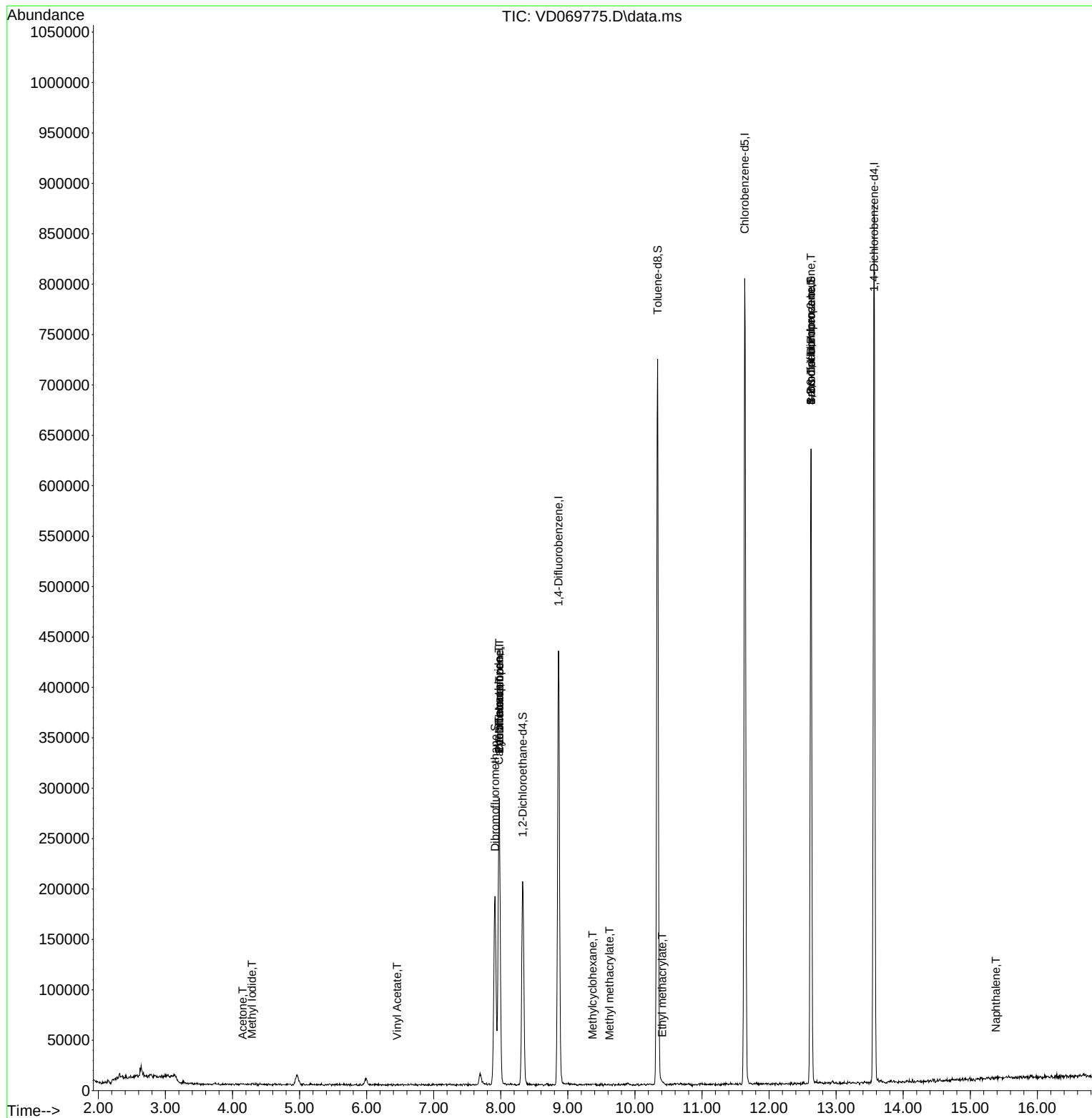
Internal Standards						
1) Pentafluorobenzene	7.979	168	199904	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	365255	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	474592	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	233274	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	159320	63.829	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.660%	
35) Dibromofluoromethane	7.914	113	138396	56.478	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.960%	
50) Toluene-d8	10.338	98	491524	51.631	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.260%	
62) 4-Bromofluorobenzene	12.626	95	216061	68.051	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 136.100%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	2588	Below Cal	#	52
10) Methyl Iodide	4.291	142	497	2.659	ug/l #	39
16) Acetone	4.150	43	673	14.300	ug/l #	46
18) Methyl Acetate	4.703	43	55	Below Cal	#	49
20) Methylene Chloride	4.961	84	8254	Below Cal		85
23) Vinyl Acetate	6.456	43	53	15.437	ug/l #	72
31) Cyclohexane	7.979	56	4902	1.549	ug/l #	7
36) 1,1-Dichloropropene	7.979	75	17959	4.766	ug/l #	52
38) Carbon Tetrachloride	7.973	117	21949	6.361	ug/l #	18
39) Methylcyclohexane	9.367	83	65	1.972	ug/l #	16
48) Methyl methacrylate	9.620	41	63	1.148	ug/l #	13
56) Ethyl methacrylate	10.408	69	64	1.690	ug/l #	46
71) Bromoform	12.626	173	2238	1.363	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	107409	47.396	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	107409	127.375	ug/l #	14
95) Naphthalene	15.384	128	203	2.231	ug/l #	69

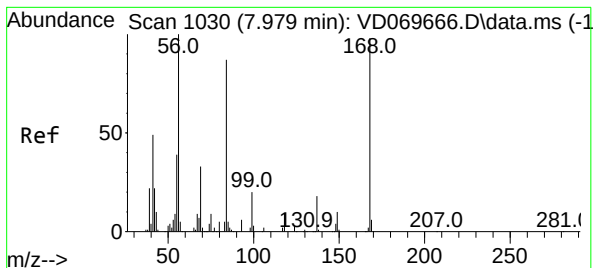
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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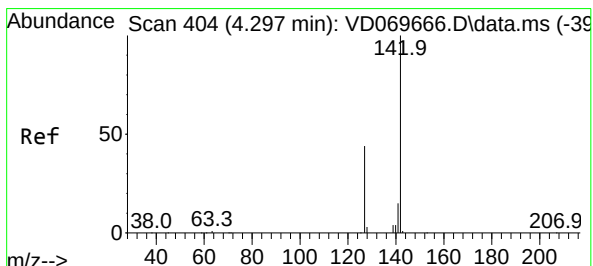
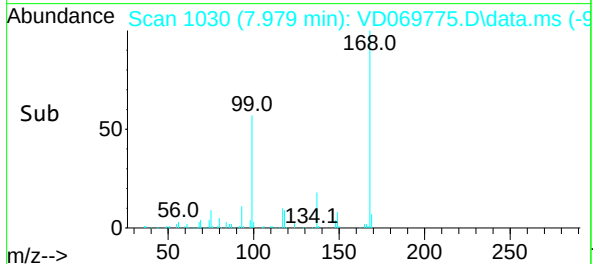
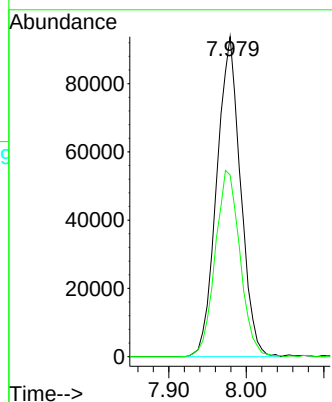
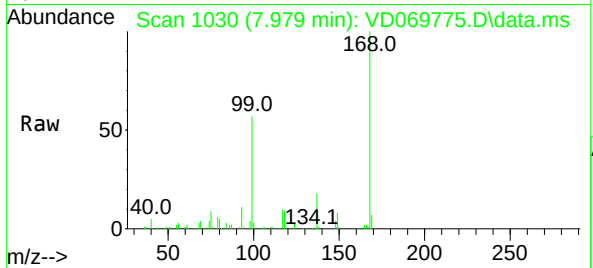




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069775.D
Acq: 20 Jul 2021 17:45

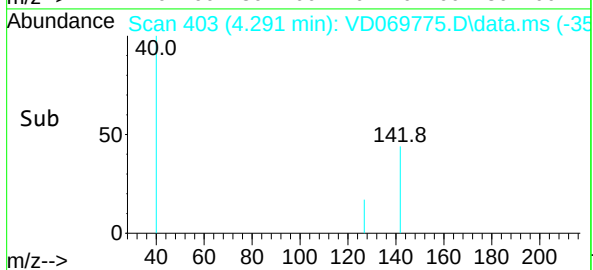
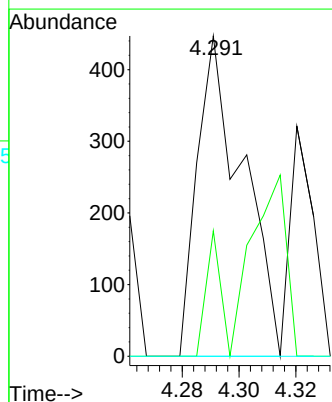
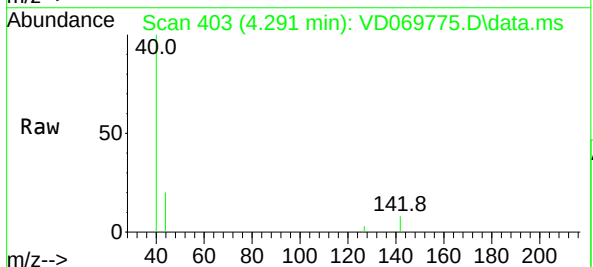
Instrument :
MSVOA_D
ClientSampled :

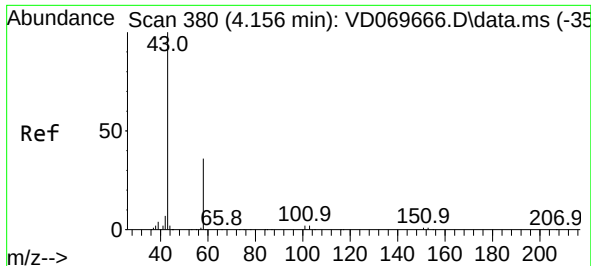
Tgt Ion:168 Resp: 199904
Ion Ratio Lower Upper
168 100
99 56.8 51.8 77.6



#10
Methyl Iodide
Concen: 2.659 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD069775.D
Acq: 20 Jul 2021 17:45

Tgt Ion:142 Resp: 497
Ion Ratio Lower Upper
142 100
127 0.0 36.1 54.1#
141 0.0 11.6 17.4#

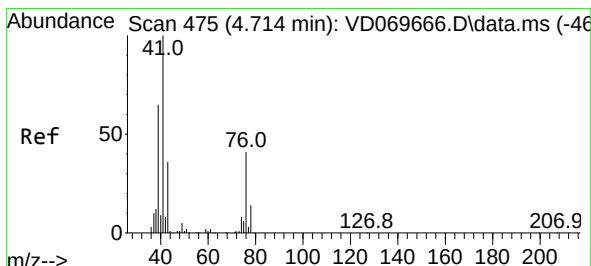
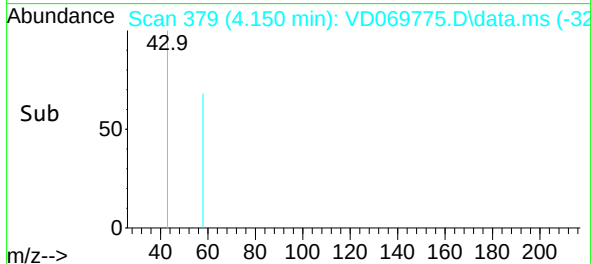
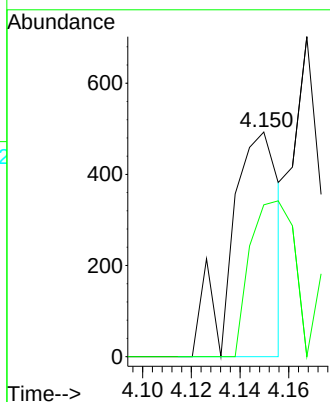
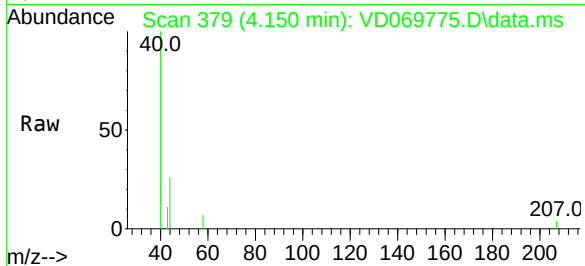




#16
Acetone
Concen: 14.300 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD069775.D
Acq: 20 Jul 2021 17:45

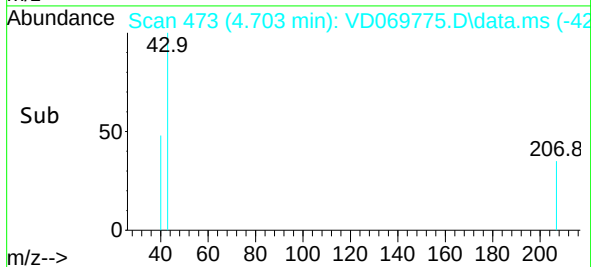
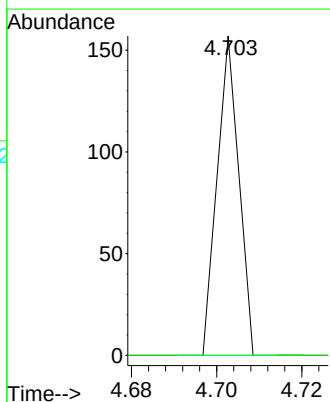
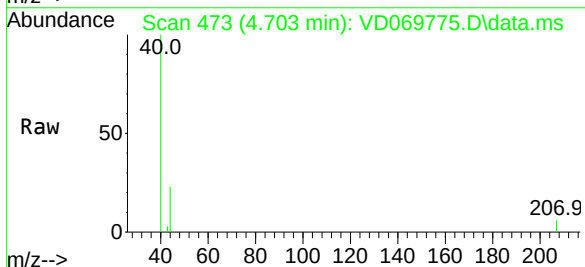
Instrument :
MSVOA_D
ClientSampleId :

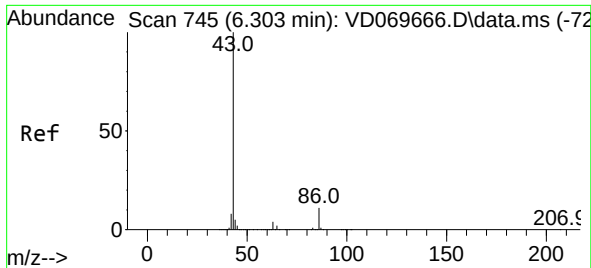
Tgt Ion: 43 Resp: 673
Ion Ratio Lower Upper
43 100
58 67.5 28.6 42.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.703 min Scan# 473
Delta R.T. -0.011 min
Lab File: VD069775.D
Acq: 20 Jul 2021 17:45

Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#

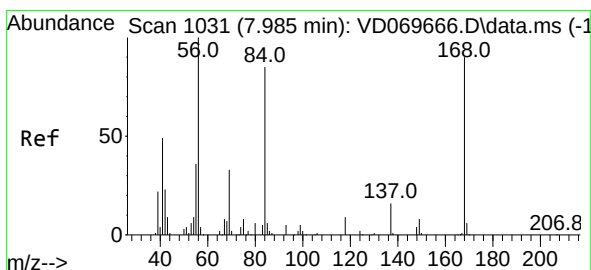
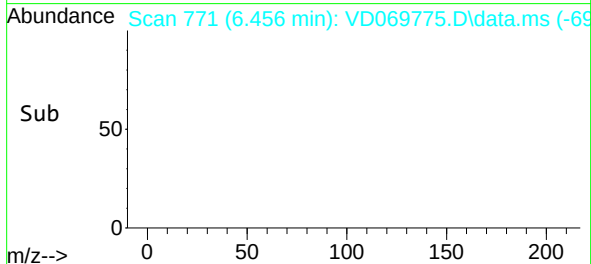
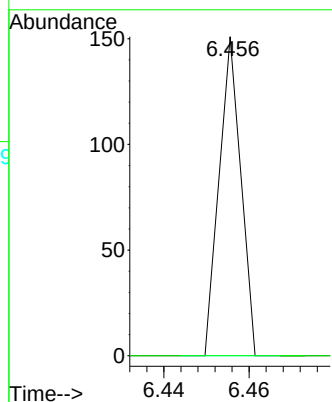
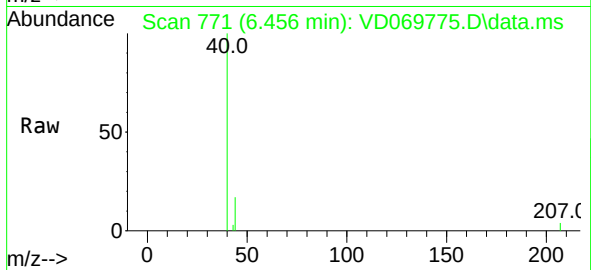




#23
 Vinyl Acetate
 Concen: 15.437 ug/l
 RT: 6.456 min Scan# 771
 Delta R.T. 0.153 min
 Lab File: VD069775.D
 Acq: 20 Jul 2021 17:45

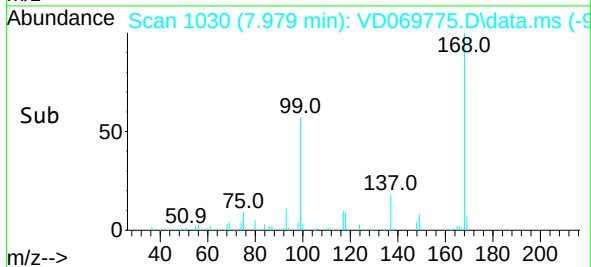
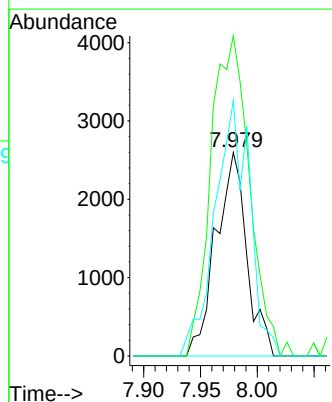
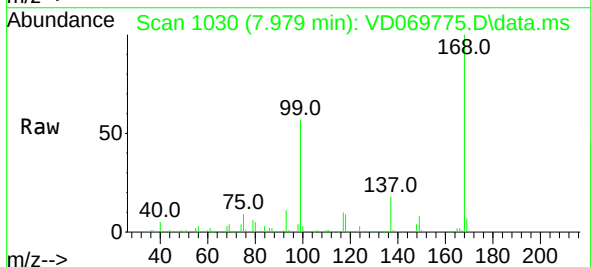
Instrument :
 MSVOA_D
 ClientSampled :

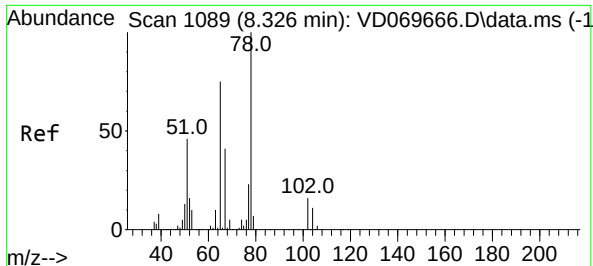
Tgt Ion: 43 Resp: 53
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 12.8#



#31
 Cyclohexane
 Concen: 1.549 ug/l
 RT: 7.979 min Scan# 1030
 Delta R.T. -0.006 min
 Lab File: VD069775.D
 Acq: 20 Jul 2021 17:45

Tgt Ion: 56 Resp: 4902
 Ion Ratio Lower Upper
 56 100
 69 157.2 26.6 39.8#
 84 125.4 68.2 102.2#

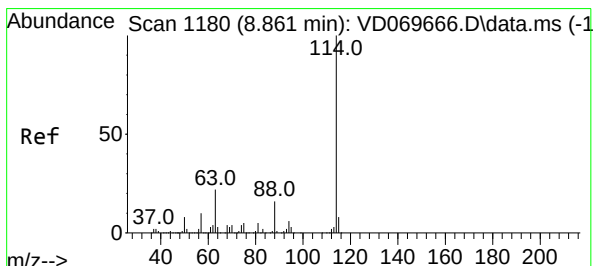
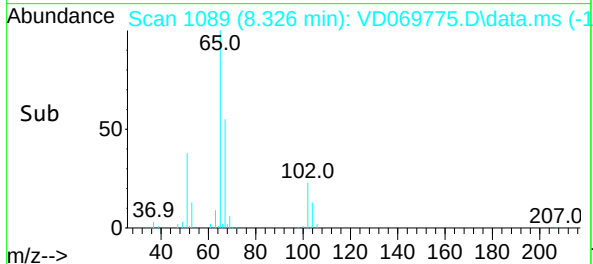
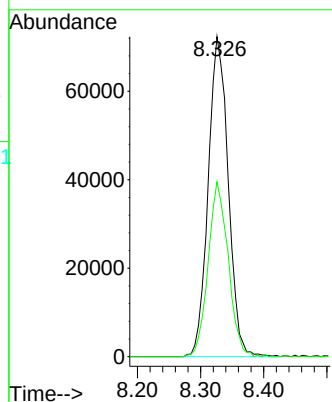
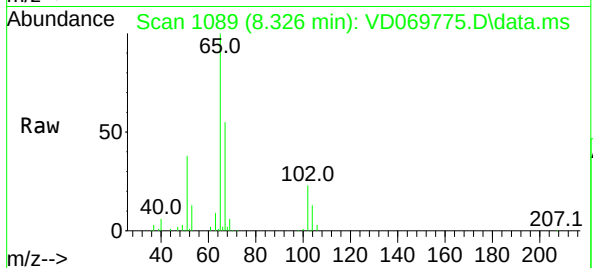




#33
1,2-Dichloroethane-d4
Concen: 63.829 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD069775.D
Acq: 20 Jul 2021 17:45

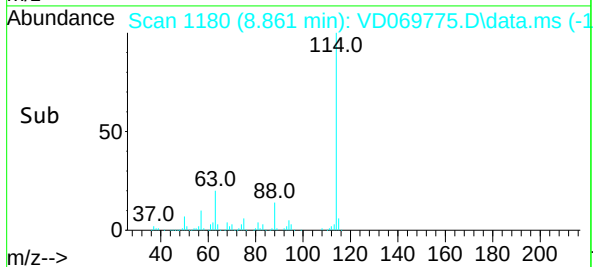
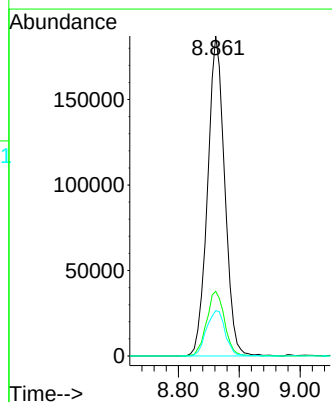
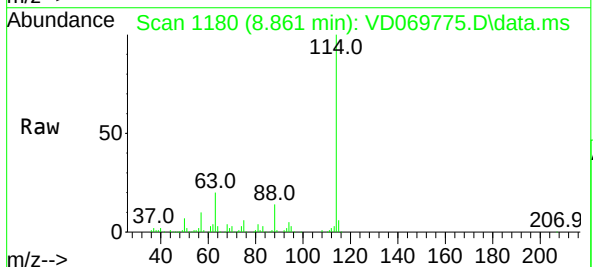
Instrument :
MSVOA_D
ClientSampled :

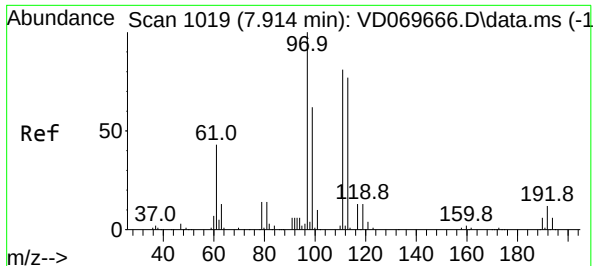
Tgt Ion: 65 Resp: 159320
Ion Ratio Lower Upper
65 100
67 54.8 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069775.D
Acq: 20 Jul 2021 17:45

Tgt Ion: 114 Resp: 365255
Ion Ratio Lower Upper
114 100
63 20.2 0.0 43.4
88 14.1 0.0 32.0





#35

Dibromofluoromethane

Concen: 56.478 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069775.D

Acq: 20 Jul 2021 17:45

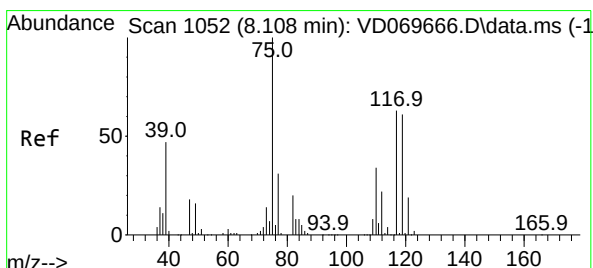
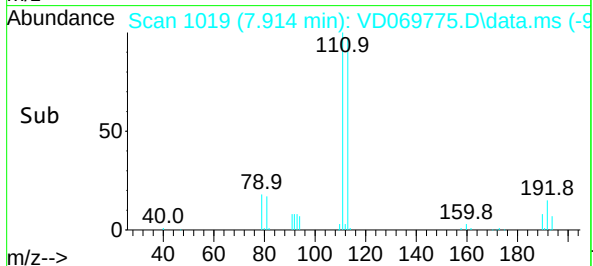
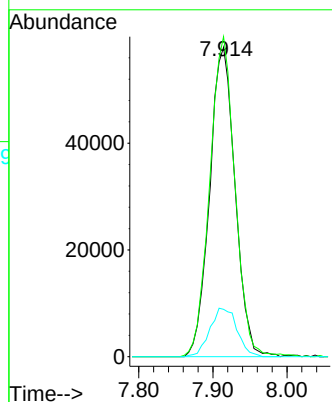
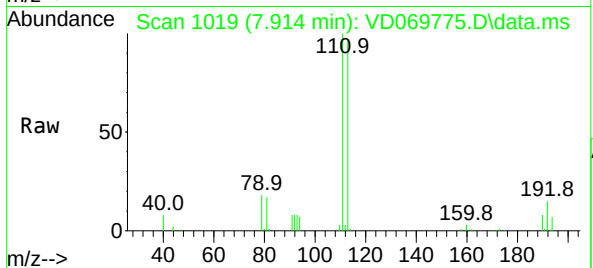
Tgt Ion:113 Resp: 138396

Ion Ratio Lower Upper

113 100

111 102.9 82.6 123.8

192 16.7 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.766 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD069775.D

Acq: 20 Jul 2021 17:45

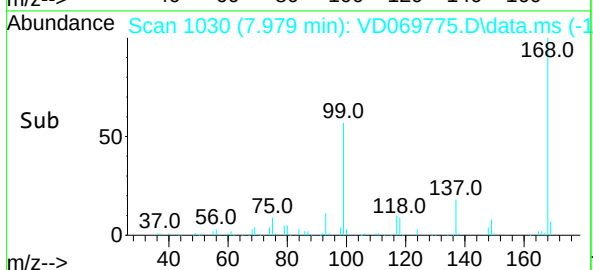
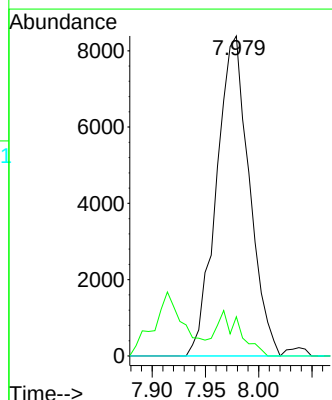
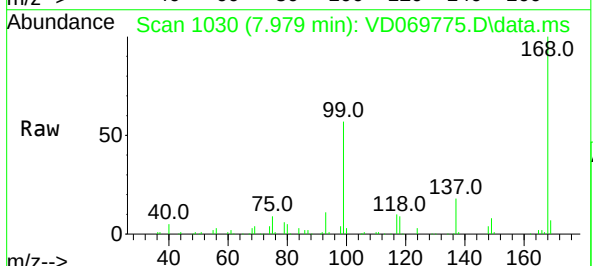
Tgt Ion: 75 Resp: 17959

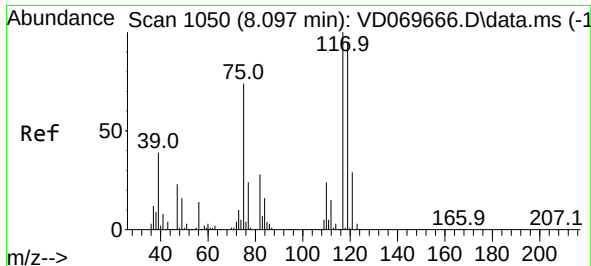
Ion Ratio Lower Upper

75 100

110 10.5 16.7 50.0#

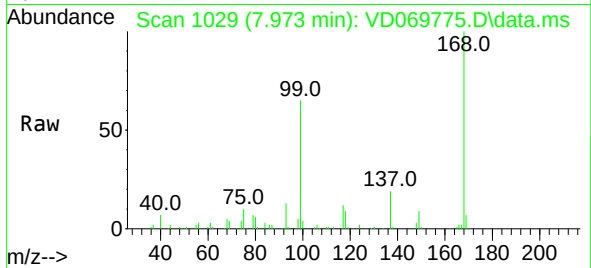
77 0.0 25.3 37.9#



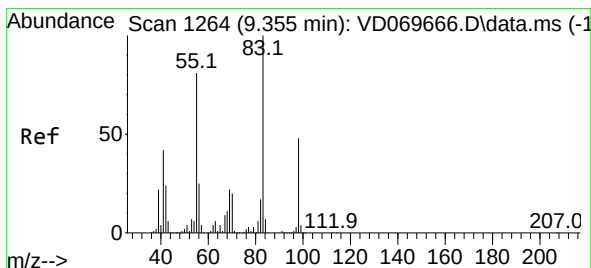
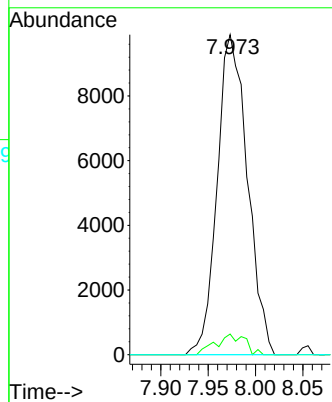
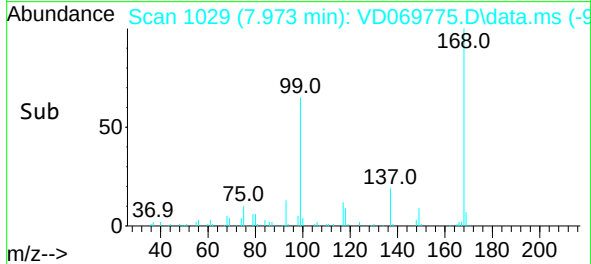


#38
Carbon Tetrachloride
Concen: 6.361 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069775.D
Acq: 20 Jul 2021 17:45

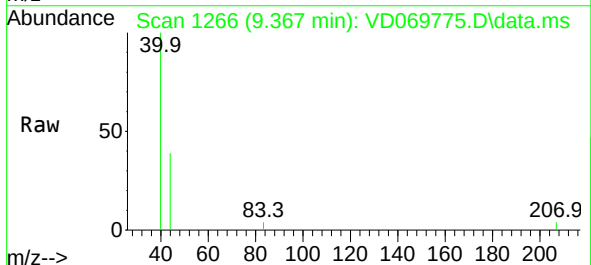
Instrument :
MSVOA_D
ClientSampled :



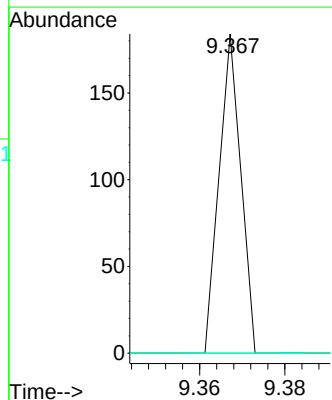
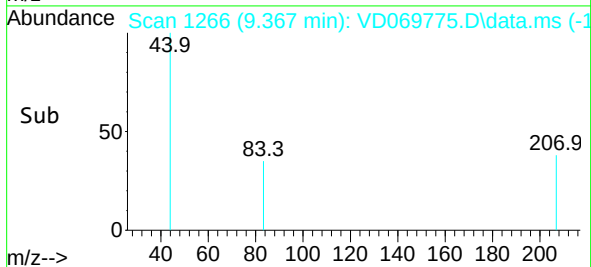
Tgt Ion:117 Resp: 21949
Ion Ratio Lower Upper
117 100
119 6.4 75.7 113.5#
121 0.0 23.0 34.6#

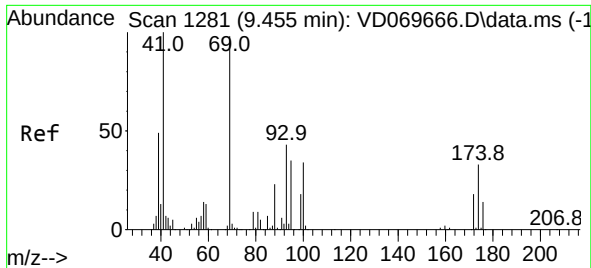


#39
Methylcyclohexane
Concen: 1.972 ug/l
RT: 9.367 min Scan# 1266
Delta R.T. 0.012 min
Lab File: VD069775.D
Acq: 20 Jul 2021 17:45



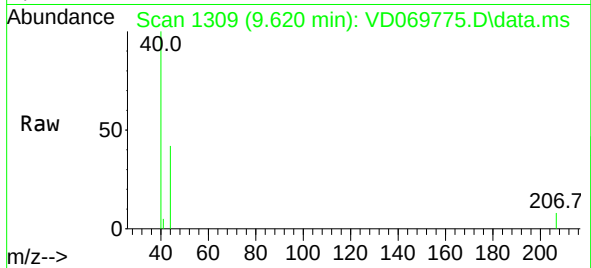
Tgt Ion: 83 Resp: 65
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 0.0 38.4 57.6#



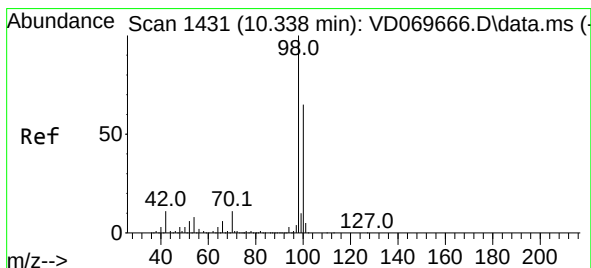
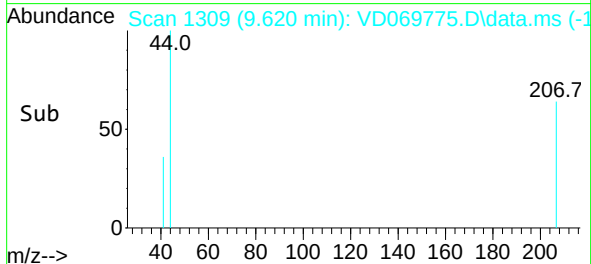
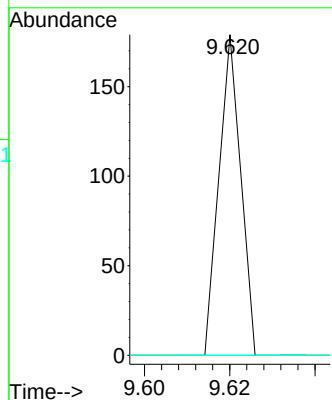


#48
Methyl methacrylate
Concen: 1.148 ug/l
RT: 9.620 min Scan# 1309
Delta R.T. 0.165 min
Lab File: VD069775.D
Acq: 20 Jul 2021 17:45

Instrument :
MSVOA_D
ClientSampled :

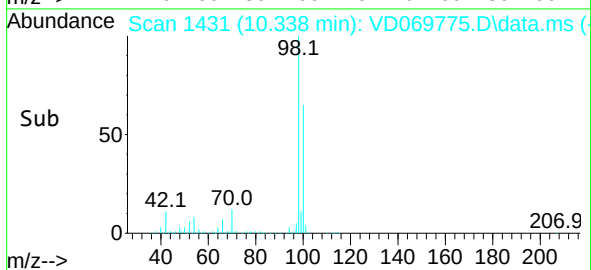
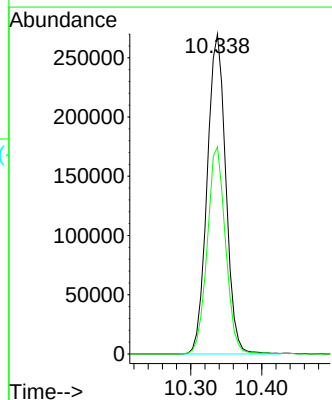
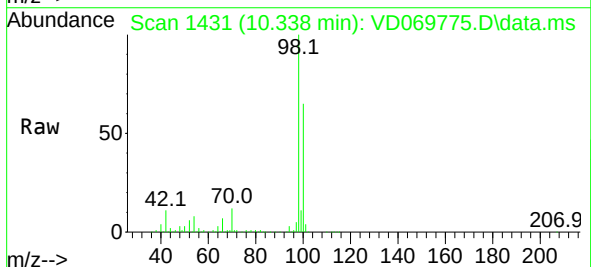


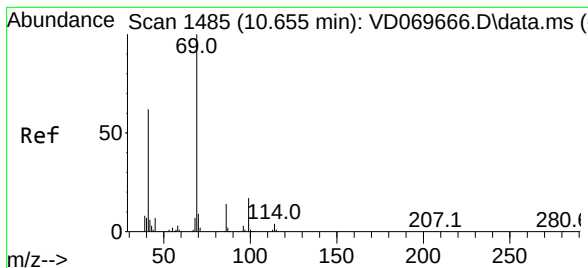
Tgt Ion: 41 Resp: 63
Ion Ratio Lower Upper
41 100
69 0.0 71.6 107.4#
39 0.0 36.7 55.1#



#50
Toluene-d8
Concen: 51.631 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069775.D
Acq: 20 Jul 2021 17:45

Tgt Ion: 98 Resp: 491524
Ion Ratio Lower Upper
98 100
100 63.7 52.2 78.2

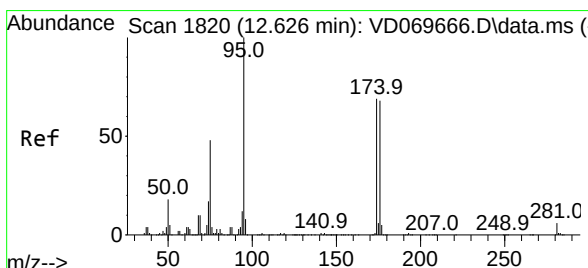
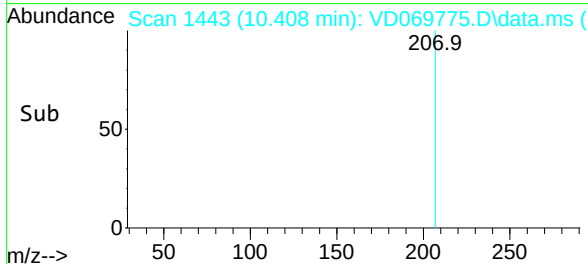
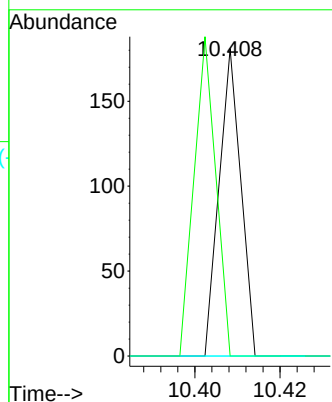
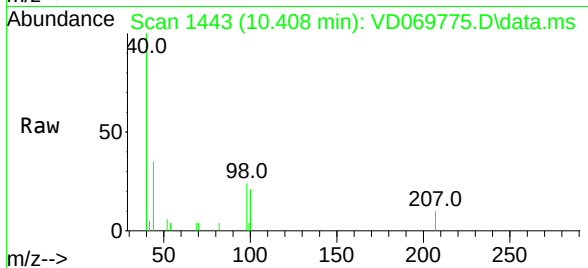




#56
Ethyl methacrylate
Concen: 1.690 ug/l
RT: 10.408 min Scan# 1443
Delta R.T. -0.247 min
Lab File: VD069775.D
Acq: 20 Jul 2021 17:45

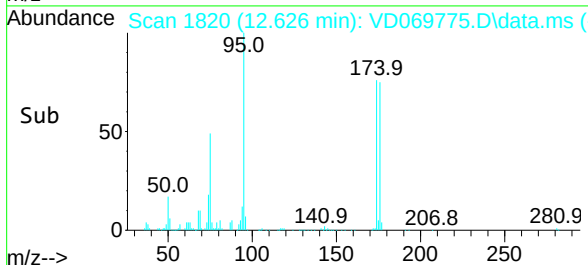
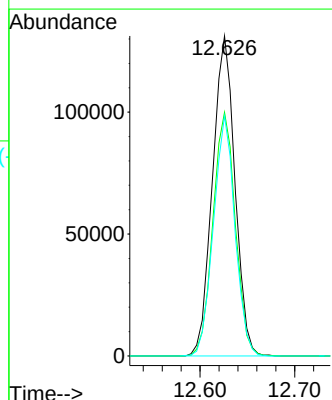
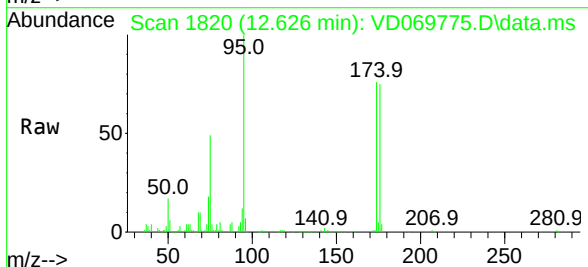
Instrument :
MSVOA_D
ClientSampleId :

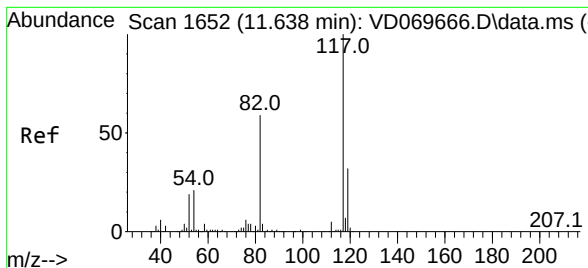
Tgt Ion: 69 Resp: 64
Ion Ratio Lower Upper
69 100
41 103.1 49.5 74.3#
39 0.0 22.5 33.7#



#62
4-Bromofluorobenzene
Concen: 68.051 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069775.D
Acq: 20 Jul 2021 17:45

Tgt Ion: 95 Resp: 216061
Ion Ratio Lower Upper
95 100
174 76.1 0.0 140.0
176 71.8 0.0 136.2

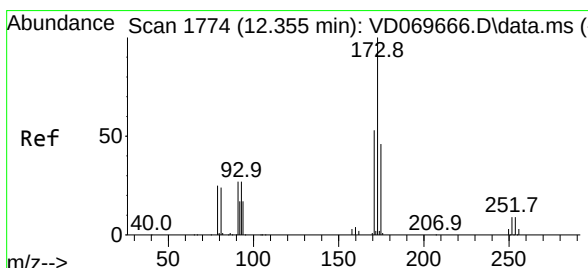
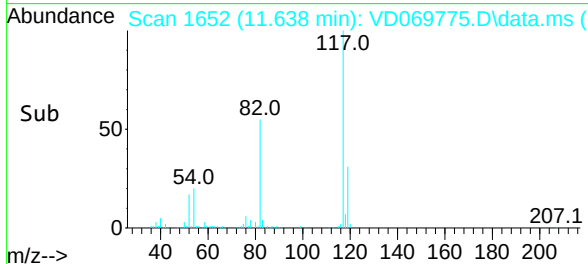
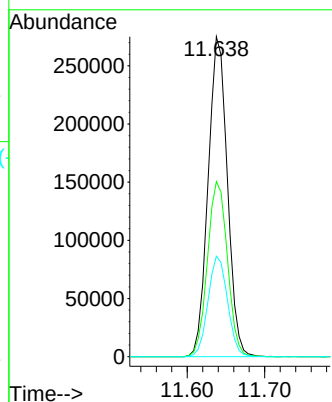
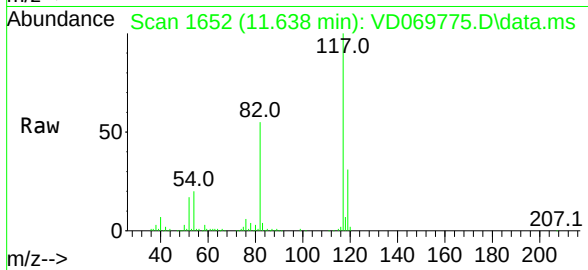




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069775.D
Acq: 20 Jul 2021 17:45

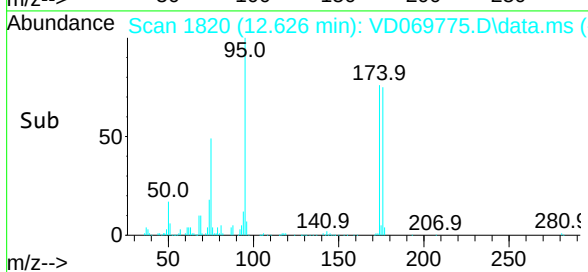
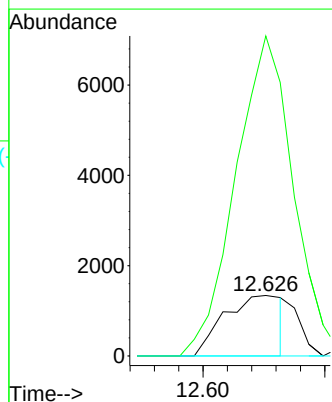
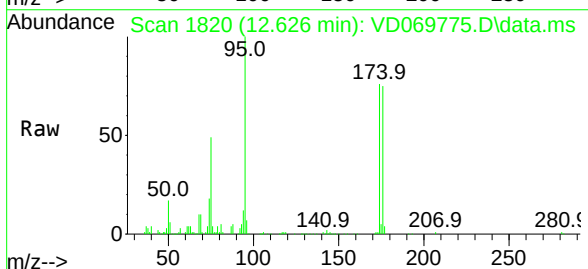
Instrument :
MSVOA_D
ClientSampleId :

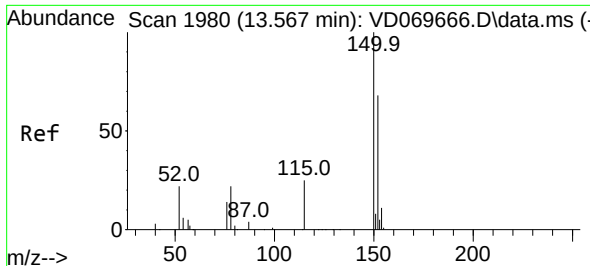
Tgt Ion:117 Resp: 474592
Ion Ratio Lower Upper
117 100
82 54.7 47.4 71.2
119 31.4 25.5 38.3



#71
Bromoform
Concen: 1.363 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069775.D
Acq: 20 Jul 2021 17:45

Tgt Ion:173 Resp: 2238
Ion Ratio Lower Upper
173 100
175 421.8 24.2 72.6#
254 0.0 0.1 0.1#

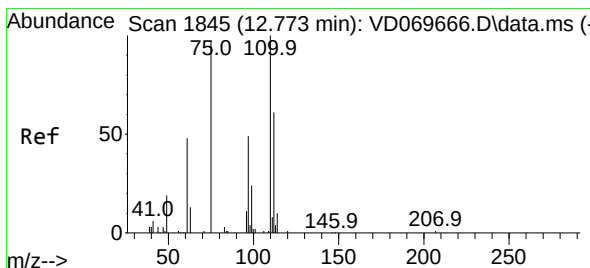
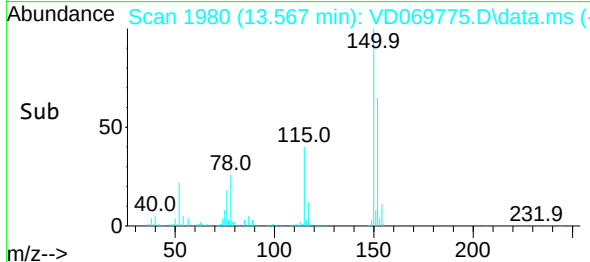
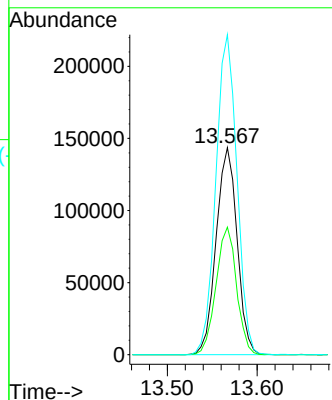
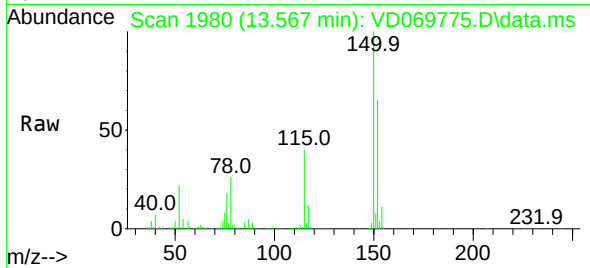




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069775.D
Acq: 20 Jul 2021 17:45

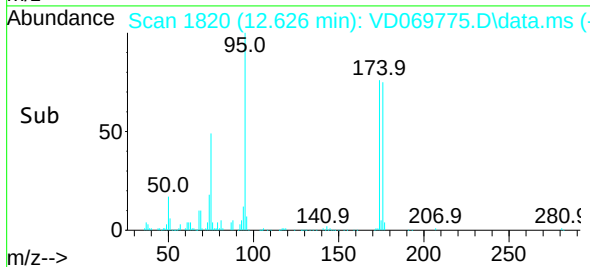
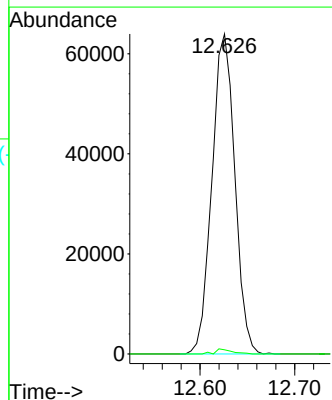
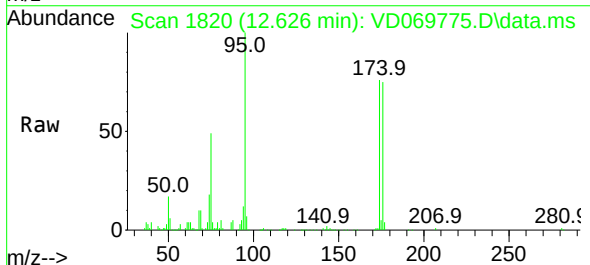
Instrument :
MSVOA_D
ClientSampleId :

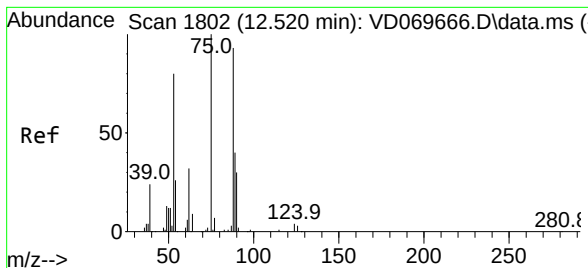
Tgt Ion:152 Resp: 233274
Ion Ratio Lower Upper
152 100
115 60.3 31.7 95.1
150 155.1 0.0 350.4



#76
1,2,3-Trichloropropane
Concen: 47.396 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069775.D
Acq: 20 Jul 2021 17:45

Tgt Ion: 75 Resp: 107409
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

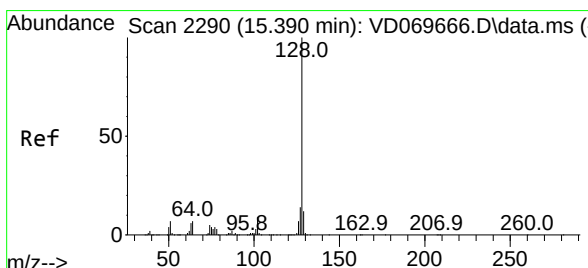
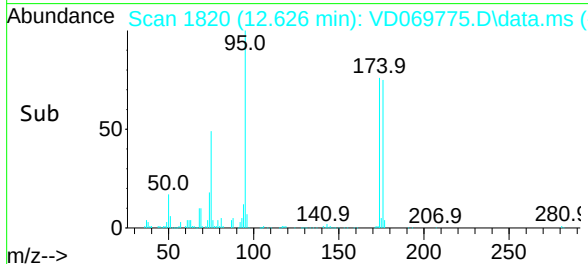
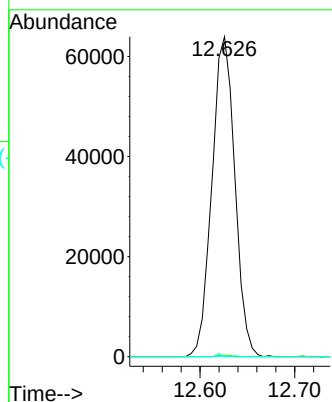
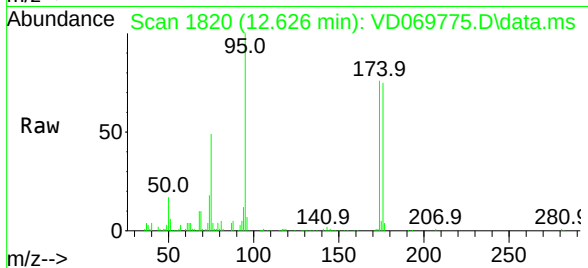




#81
trans-1,4-Dichloro-2-butene
Concen: 127.375 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069775.D
Acq: 20 Jul 2021 17:45

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 107409
Ion Ratio Lower Upper
75 100
53 0.3 70.6 106.0#
89 0.2 35.1 52.7#



#95
Naphthalene
Concen: 2.231 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.006 min
Lab File: VD069775.D
Acq: 20 Jul 2021 17:45

Tgt Ion:128 Resp: 203
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.8 13.2#

