

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072121\
 Data File : VD069790.D
 Acq On : 21 Jul 2021 14:49
 Operator : VA/SY
 Sample : M3088-03
 Misc : 4.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 22 03:41:04 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)

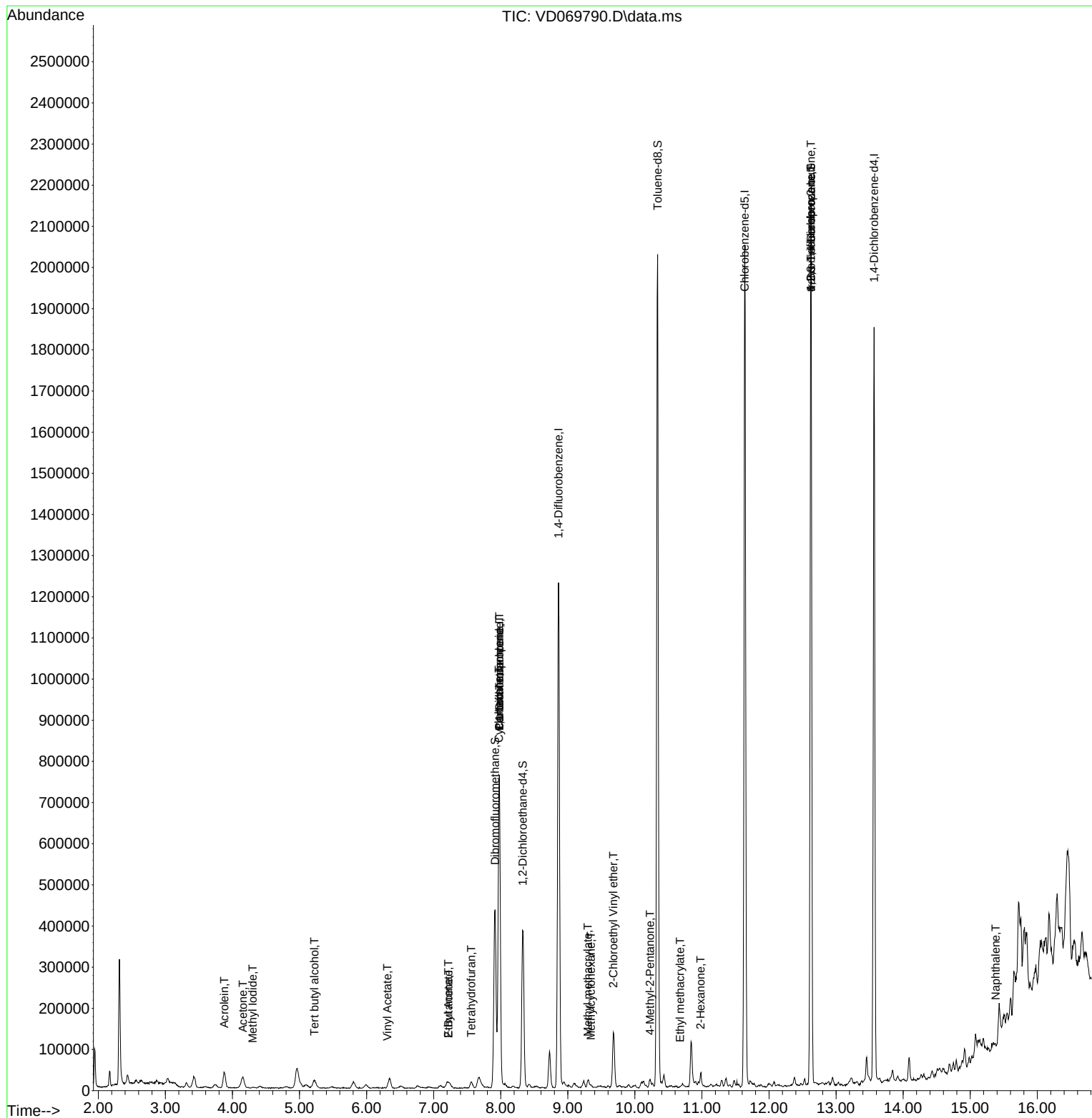
Internal Standards						
1) Pentafluorobenzene	7.979	168	542672	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1045725	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1179805	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	463447	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	313357	46.245	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.500%		
35) Dibromofluoromethane	7.914	113	326035	46.473	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.940%		
50) Toluene-d8	10.338	98	1360038	49.900	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.800%		
62) 4-Bromofluorobenzene	12.626	95	570668	62.780	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	125.560%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.209	50	1104	Below Cal	#	1
5) Bromomethane	2.779	94	3287	Below Cal	#	44
10) Methyl Iodide	4.303	142	853	2.589	ug/l #	77
11) Tert butyl alcohol	5.220	59	31715	35.032	ug/l #	94
13) Acrolein	3.879	56	1535	3.286	ug/l #	1
16) Acetone	4.156	43	40265	38.824	ug/l	96
18) Methyl Acetate	4.732	43	644	Below Cal	#	49
20) Methylene Chloride	4.967	84	38451	Below Cal		98
23) Vinyl Acetate	6.309	43	398	15.460	ug/l #	72
25) 2-Butanone	7.220	43	12156	7.590	ug/l	90
29) Tetrahydrofuran	7.561	42	1835	1.849	ug/l #	35
31) Cyclohexane	7.973	56	14143	1.621	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	49991	4.634	ug/l #	49
37) Ethyl Acetate	7.220	43	12156	2.979	ug/l #	72
38) Carbon Tetrachloride	7.979	117	59115	5.984	ug/l #	16
39) Methylcyclohexane	9.344	83	388	1.987	ug/l #	37
48) Methyl methacrylate	9.297	41	4799	2.312	ug/l #	45
51) 4-Methyl-2-Pentanone	10.226	43	15744	4.068	ug/l	94
56) Ethyl methacrylate	10.673	69	456	1.727	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.679	63	73	9.382	ug/l #	49
59) 2-Hexanone	10.979	43	4603	1.784	ug/l	90
76) 1,2,3-Trichloropropane	12.626	75	283209	62.904	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	283209	169.051	ug/l #	15
95) Naphthalene	15.379	128	1829	2.324	ug/l #	59

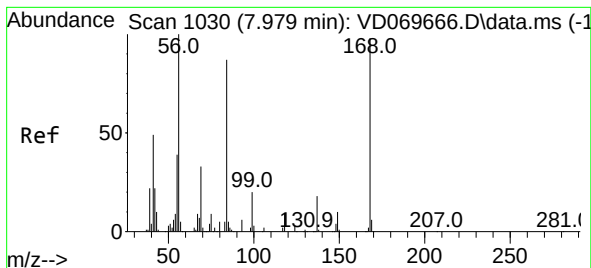
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

Quant Time: Jul 22 03:41:04 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

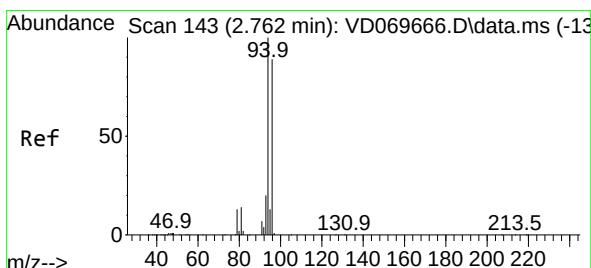
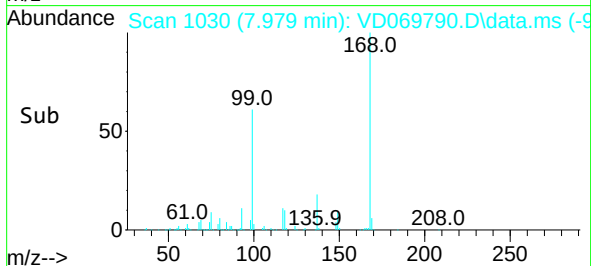
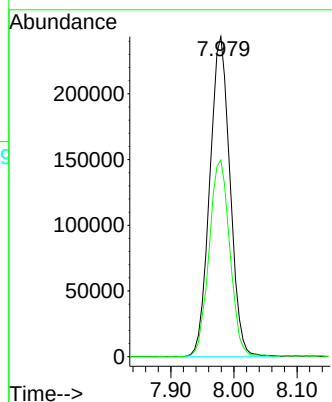
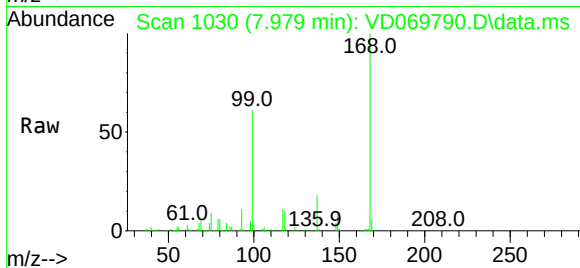




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069790.D
Acq: 21 Jul 2021 14:49

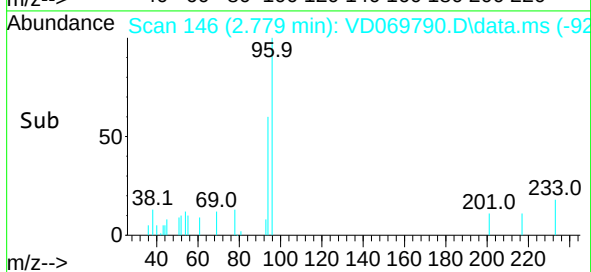
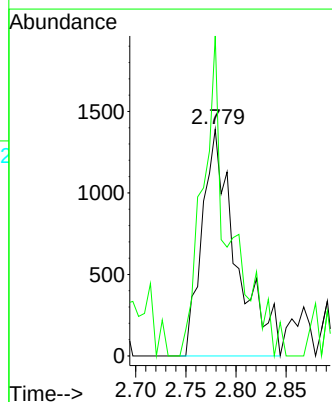
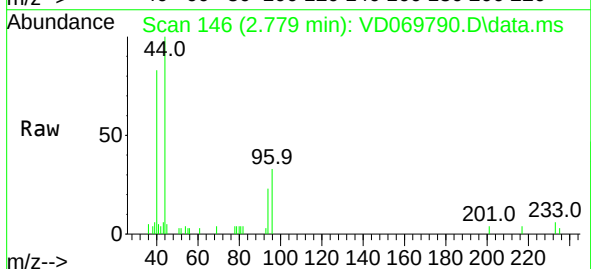
Instrument :
MSVOA_D
ClientSampled :

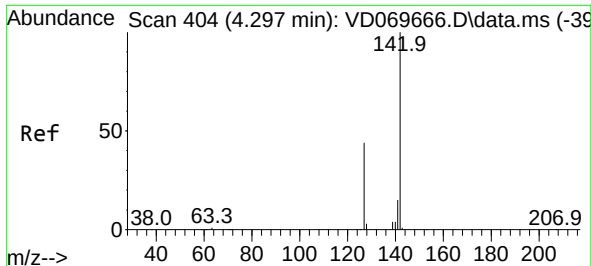
Tgt Ion:168 Resp: 542672
Ion Ratio Lower Upper
168 100
99 61.5 51.8 77.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD069790.D
Acq: 21 Jul 2021 14:49

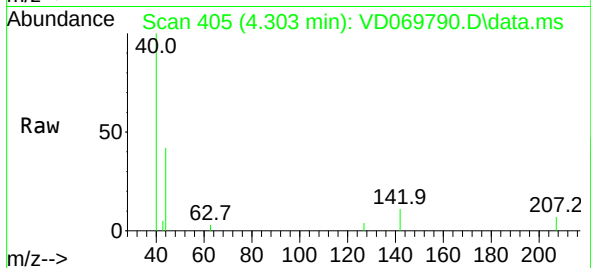
Tgt Ion: 94 Resp: 3287
Ion Ratio Lower Upper
94 100
96 141.1 71.2 106.8#



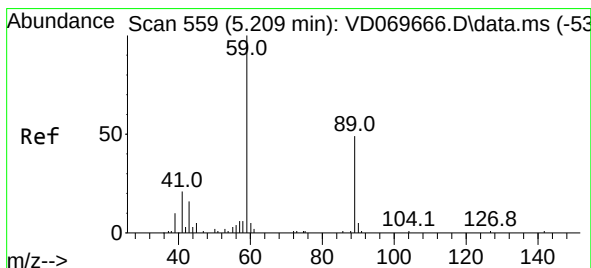
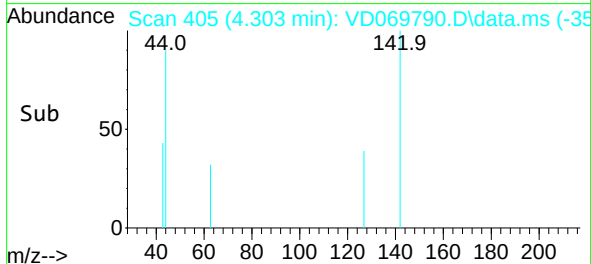
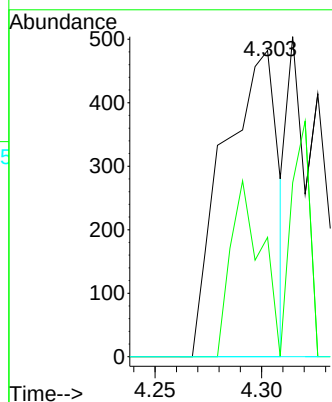


#10
Methyl Iodide
Concen: 2.589 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD069790.D
Acq: 21 Jul 2021 14:49

Instrument :
MSVOA_D
ClientSampled :

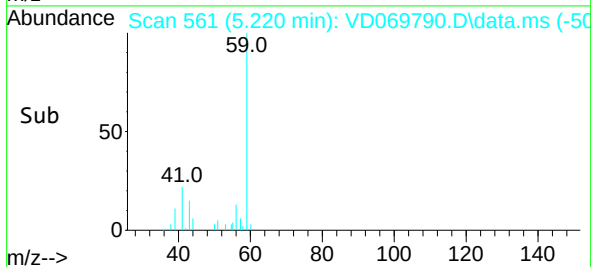
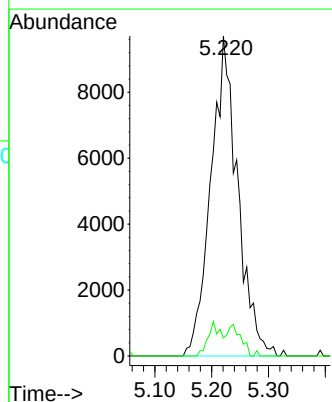
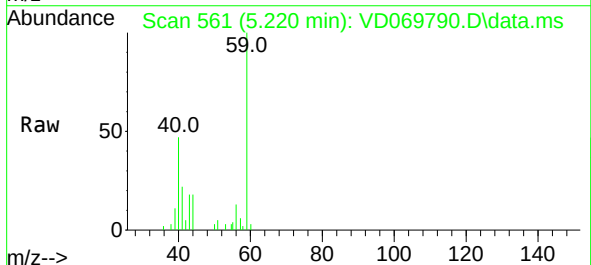


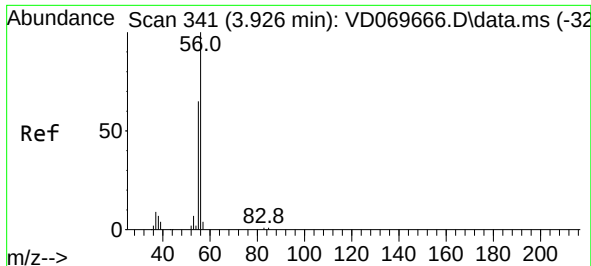
Tgt Ion:142 Resp: 853
Ion Ratio Lower Upper
142 100
127 32.6 36.1 54.1#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 35.032 ug/l
RT: 5.220 min Scan# 561
Delta R.T. 0.011 min
Lab File: VD069790.D
Acq: 21 Jul 2021 14:49

Tgt Ion: 59 Resp: 31715
Ion Ratio Lower Upper
59 100
57 5.0 5.7 8.5#

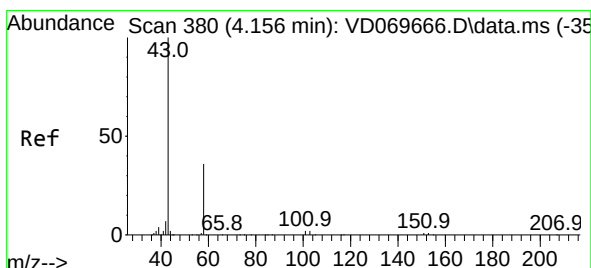
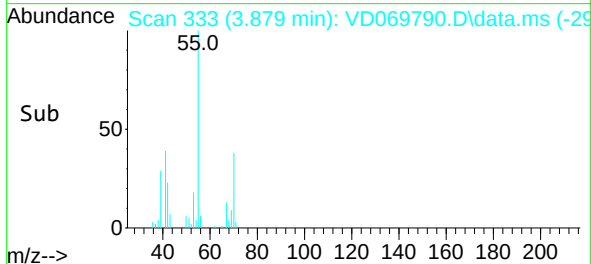
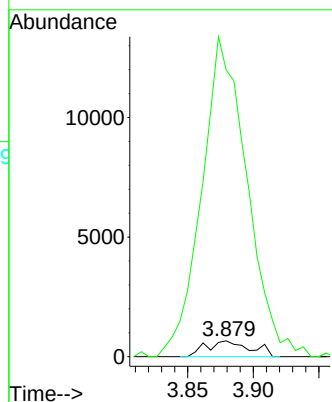
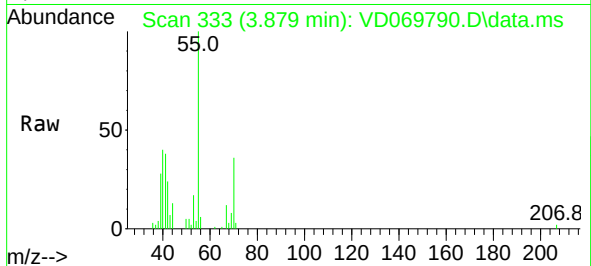




#13
Acrolein
Concen: 3.286 ug/l
RT: 3.879 min Scan# 333
Delta R.T. -0.047 min
Lab File: VD069790.D
Acq: 21 Jul 2021 14:49

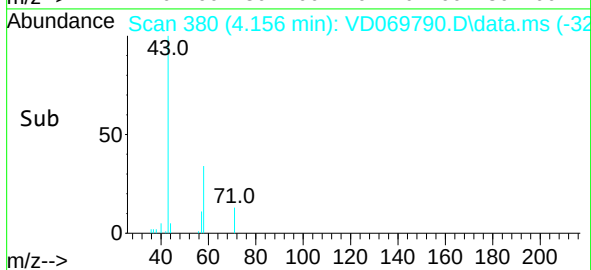
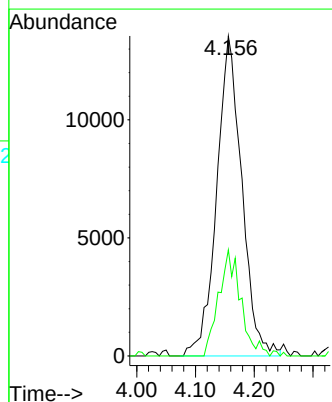
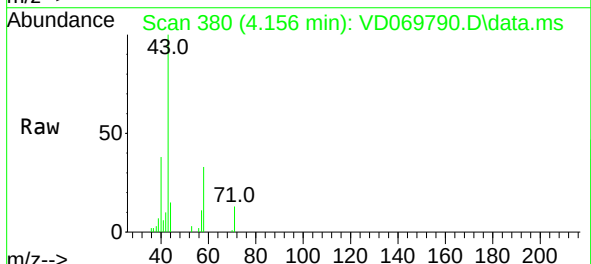
Instrument :
MSVOA_D
ClientSampled :

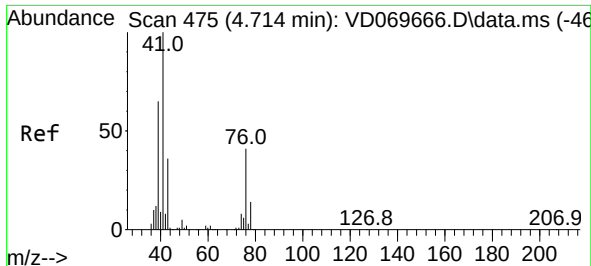
Tgt Ion: 56 Resp: 1535
Ion Ratio Lower Upper
56 100
55 2099.8 55.3 82.9#



#16
Acetone
Concen: 38.824 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069790.D
Acq: 21 Jul 2021 14:49

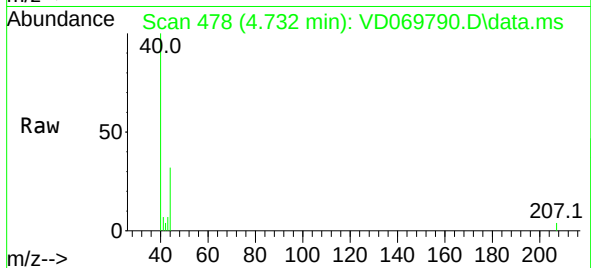
Tgt Ion: 43 Resp: 40265
Ion Ratio Lower Upper
43 100
58 33.2 28.6 42.8



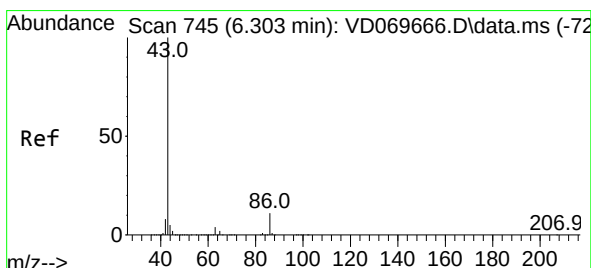
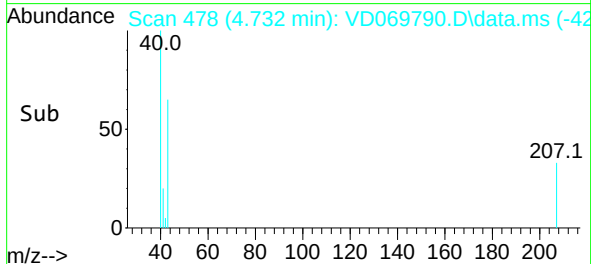
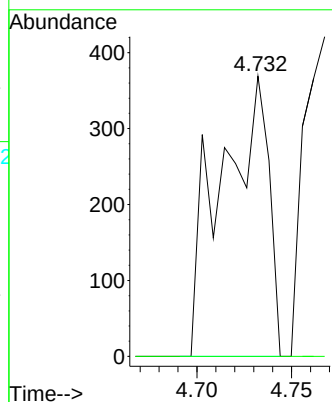


#18
Methyl Acetate
Concen: Below Cal
RT: 4.732 min Scan# 478
Delta R.T. 0.018 min
Lab File: VD069790.D
Acq: 21 Jul 2021 14:49

Instrument :
MSVOA_D
ClientSampled :

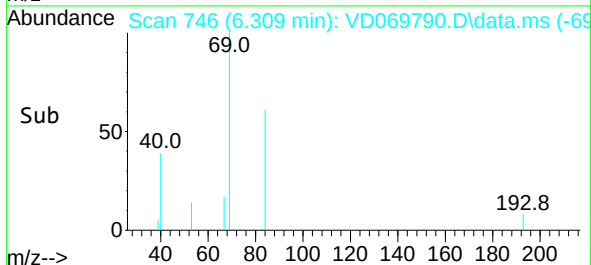
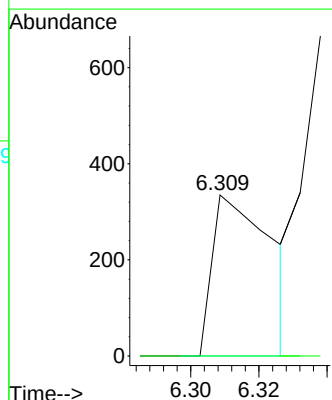
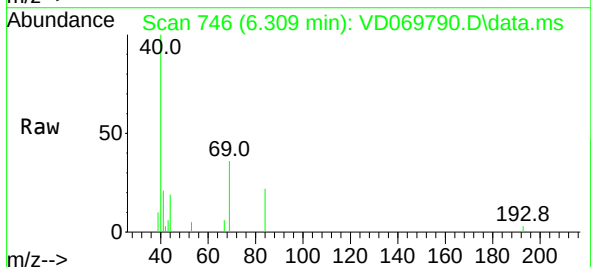


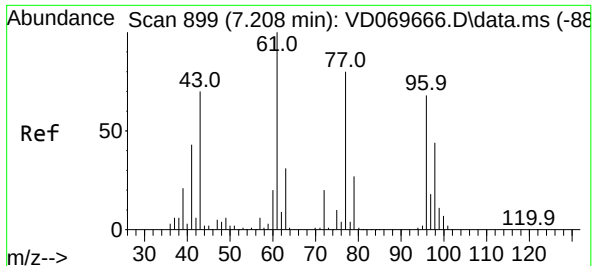
Tgt Ion: 43 Resp: 644
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



#23
Vinyl Acetate
Concen: 15.460 ug/l
RT: 6.309 min Scan# 746
Delta R.T. 0.006 min
Lab File: VD069790.D
Acq: 21 Jul 2021 14:49

Tgt Ion: 43 Resp: 398
Ion Ratio Lower Upper
43 100
86 0.0 8.6 12.8#

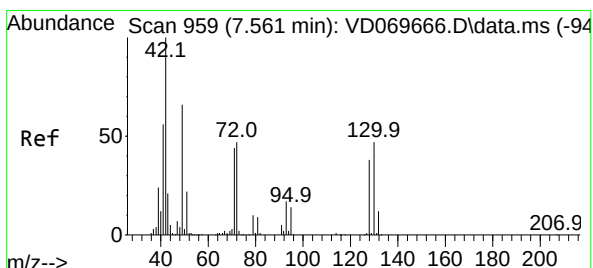
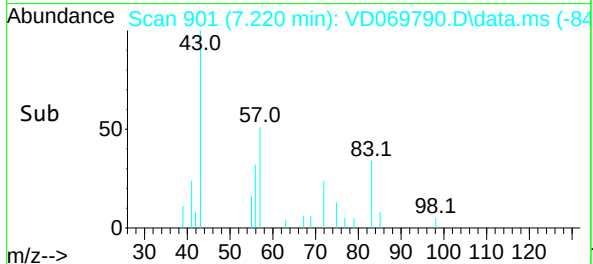
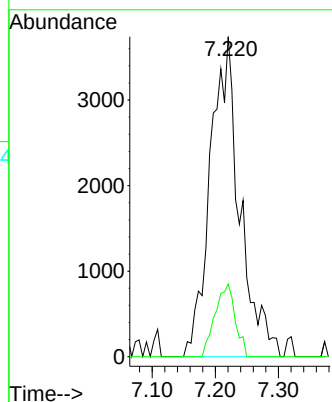
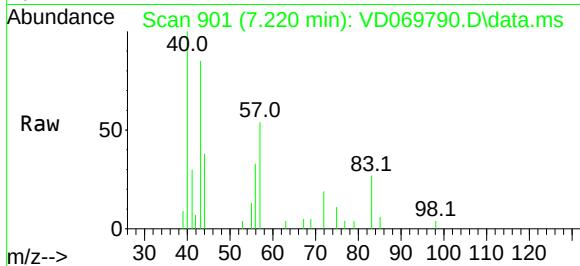




#25
2-Butanone
Concen: 7.590 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.012 min
Lab File: VD069790.D
Acq: 21 Jul 2021 14:49

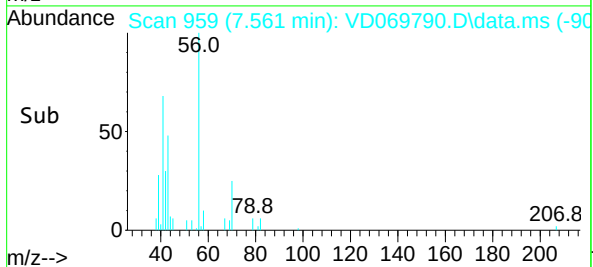
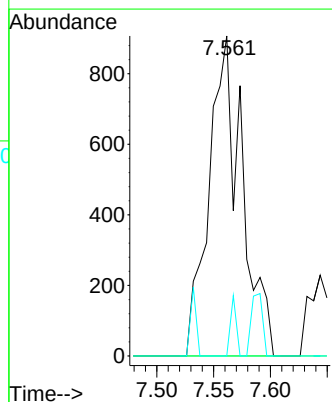
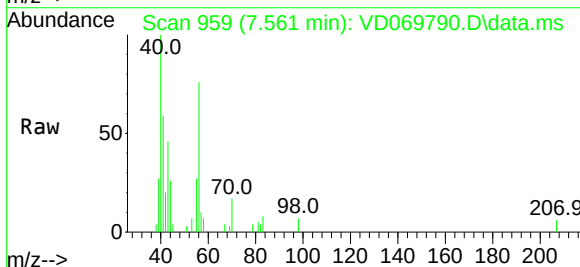
Instrument :
MSVOA_D
ClientSampled :

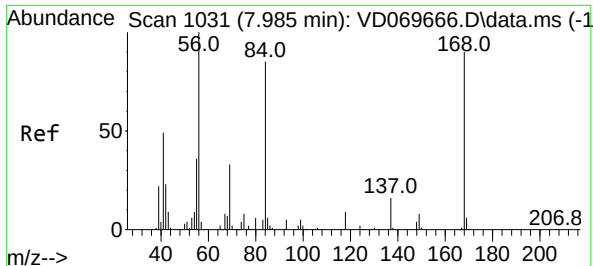
Tgt Ion: 43 Resp: 12156
Ion Ratio Lower Upper
43 100
72 22.7 22.6 33.8



#29
Tetrahydrofuran
Concen: 1.849 ug/l
RT: 7.561 min Scan# 959
Delta R.T. 0.000 min
Lab File: VD069790.D
Acq: 21 Jul 2021 14:49

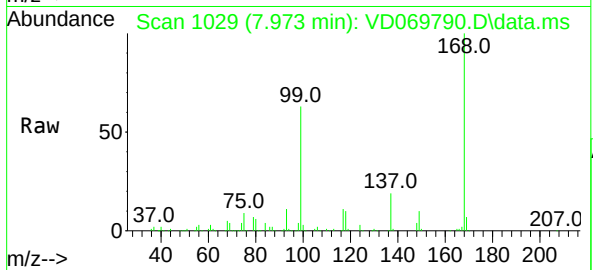
Tgt Ion: 42 Resp: 1835
Ion Ratio Lower Upper
42 100
72 0.0 36.5 54.7#
71 3.3 33.4 50.0#



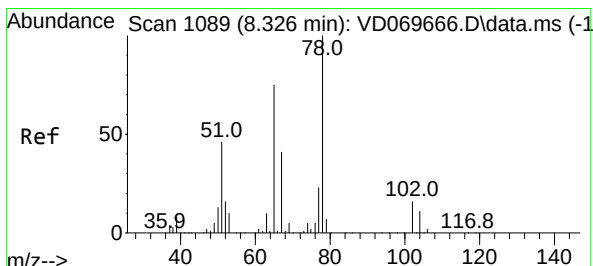
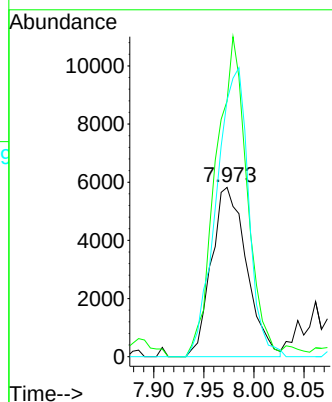
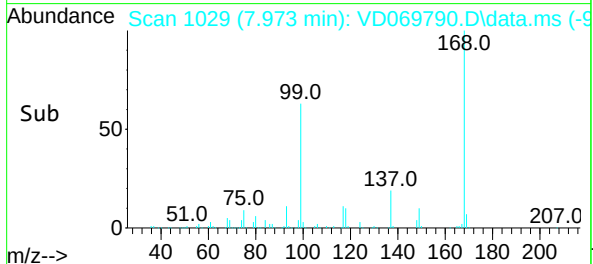


#31
Cyclohexane
Concen: 1.621 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069790.D
Acq: 21 Jul 2021 14:49

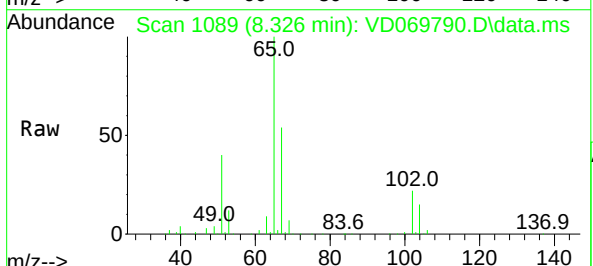
Instrument :
MSVOA_D
ClientSampleId :



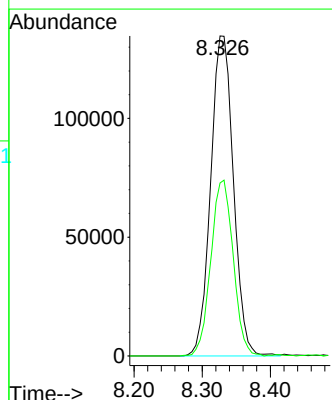
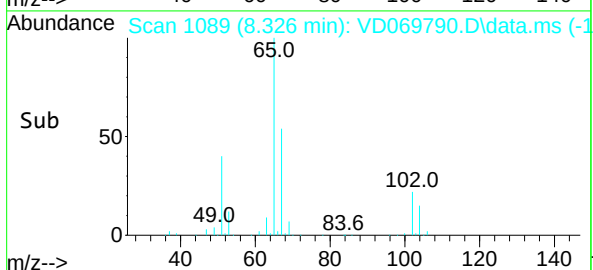
Tgt Ion: 56 Resp: 14143
Ion Ratio Lower Upper
56 100
69 151.0 26.6 39.8#
84 151.4 68.2 102.2#

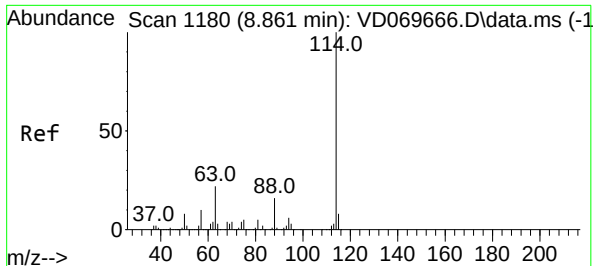


#33
1,2-Dichloroethane-d4
Concen: 46.245 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD069790.D
Acq: 21 Jul 2021 14:49



Tgt Ion: 65 Resp: 313357
Ion Ratio Lower Upper
65 100
67 53.9 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: VD069790.D

Acq: 21 Jul 2021 14:49

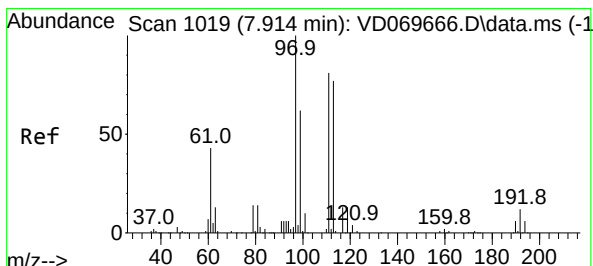
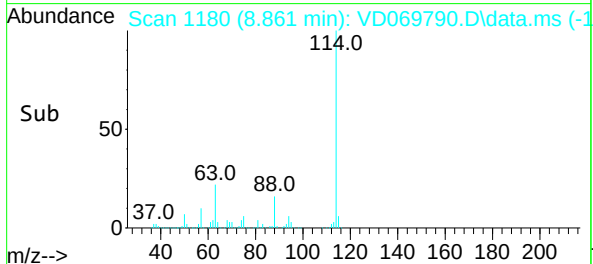
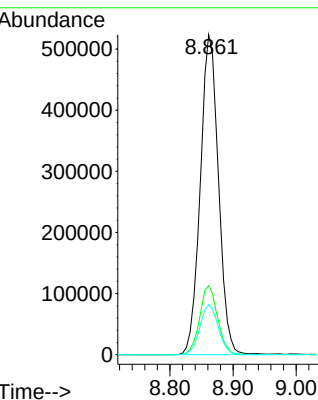
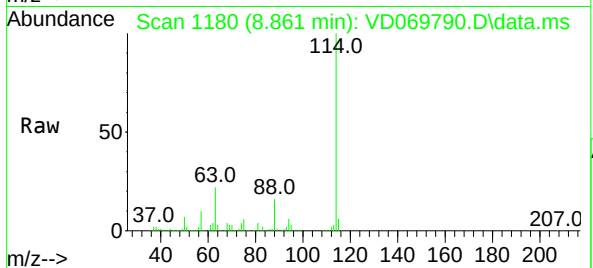
Tgt Ion:114 Resp: 1045725

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.4

88 15.6 0.0 32.0



#35

Dibromofluoromethane

Concen: 46.473 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069790.D

Acq: 21 Jul 2021 14:49

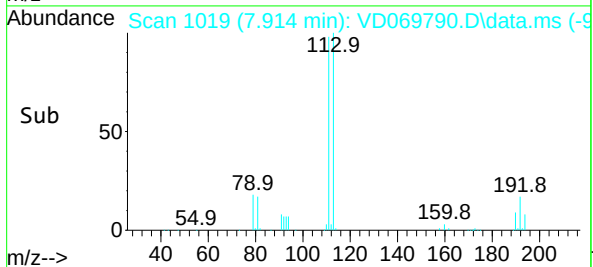
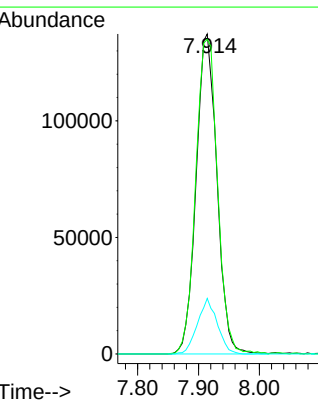
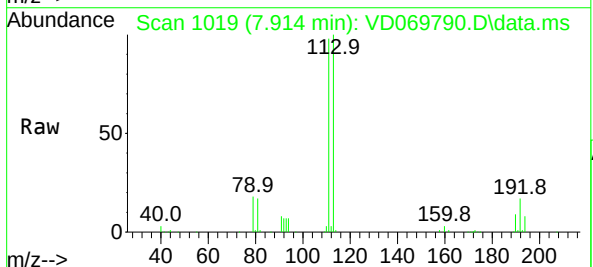
Tgt Ion:113 Resp: 326035

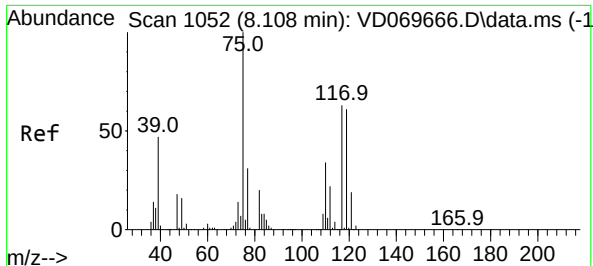
Ion Ratio Lower Upper

113 100

111 102.9 82.6 123.8

192 16.5 12.7 19.1

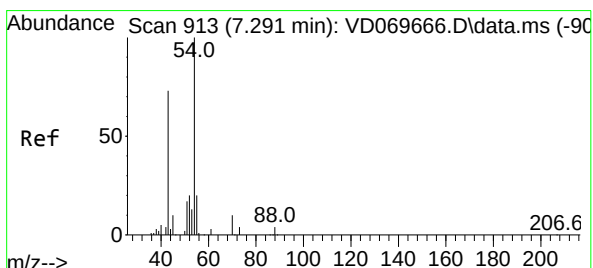
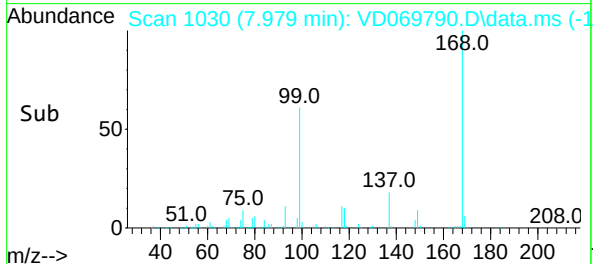
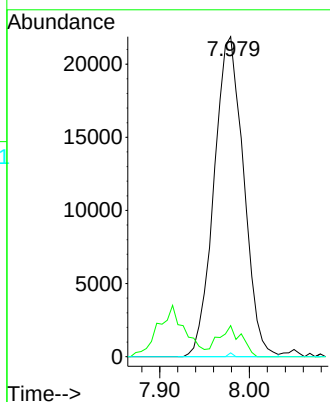
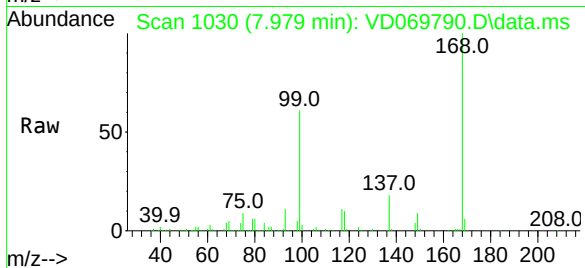




#36
1,1-Dichloropropene
Concen: 4.634 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069790.D
Acq: 21 Jul 2021 14:49

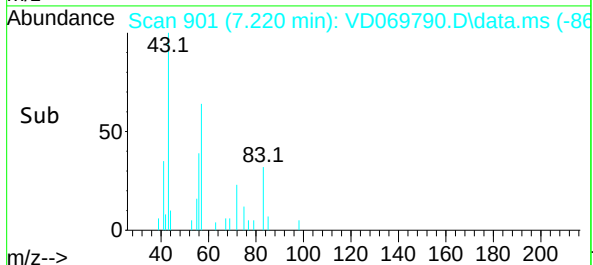
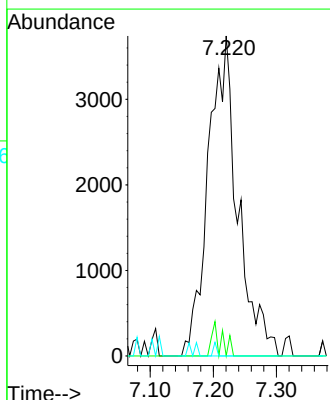
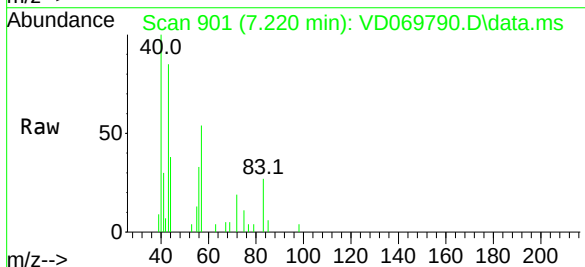
Instrument :
MSVOA_D
ClientSampled :

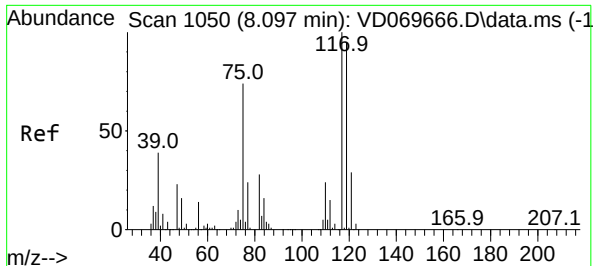
Tgt Ion: 75 Resp: 49991
Ion Ratio Lower Upper
75 100
110 7.6 16.7 50.0#
77 0.2 25.3 37.9#



#37
Ethyl Acetate
Concen: 2.979 ug/l
RT: 7.220 min Scan# 901
Delta R.T. -0.071 min
Lab File: VD069790.D
Acq: 21 Jul 2021 14:49

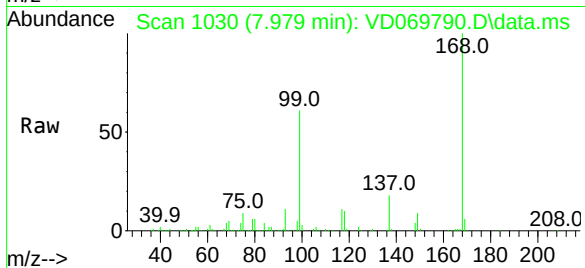
Tgt Ion: 43 Resp: 12156
Ion Ratio Lower Upper
43 100
61 3.4 12.1 18.1#
70 0.5 8.4 12.6#



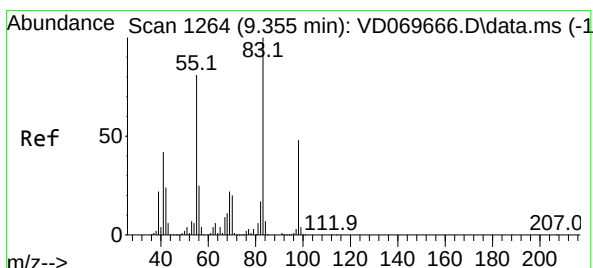
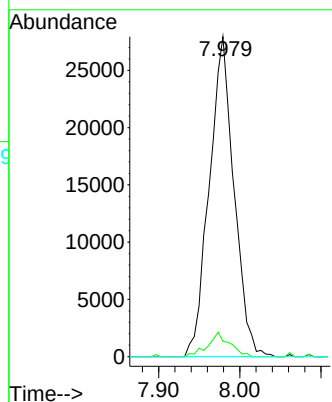
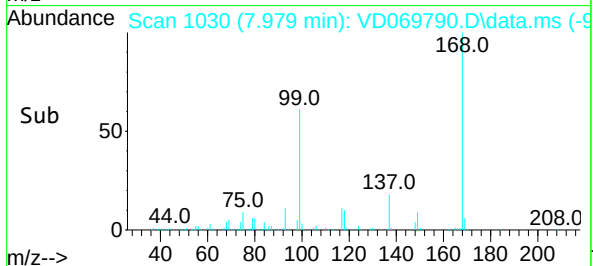


#38
Carbon Tetrachloride
Concen: 5.984 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069790.D
Acq: 21 Jul 2021 14:49

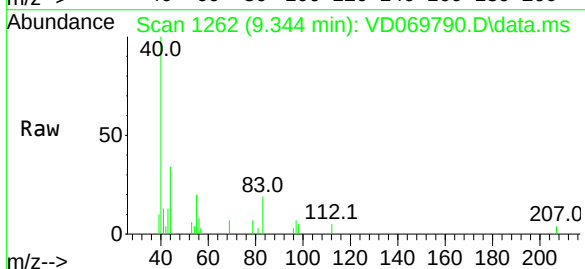
Instrument :
MSVOA_D
ClientSampled :



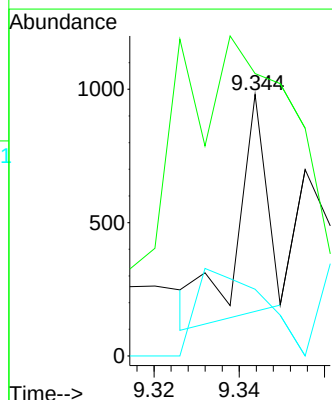
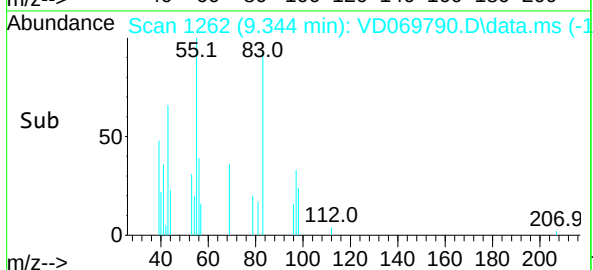
Tgt Ion:117 Resp: 59115
Ion Ratio Lower Upper
117 100
119 4.8 75.7 113.5#
121 0.0 23.0 34.6#

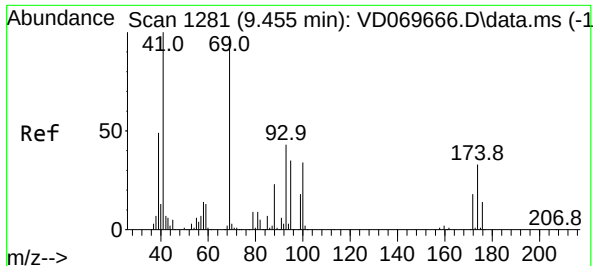


#39
Methylcyclohexane
Concen: 1.987 ug/l
RT: 9.344 min Scan# 1262
Delta R.T. -0.011 min
Lab File: VD069790.D
Acq: 21 Jul 2021 14:49



Tgt Ion: 83 Resp: 388
Ion Ratio Lower Upper
83 100
55 4.8 64.6 97.0#
98 31.6 38.4 57.6#





#48

Methyl methacrylate

Concen: 2.312 ug/l

RT: 9.297 min Scan# 1254

Delta R.T. -0.158 min

Lab File: VD069790.D

Acq: 21 Jul 2021 14:49

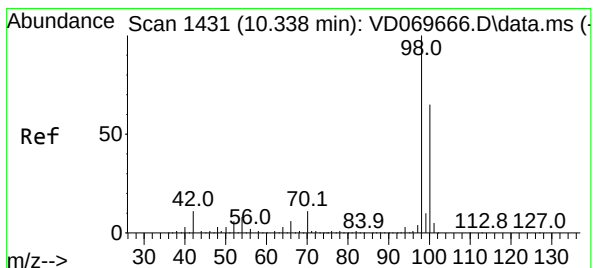
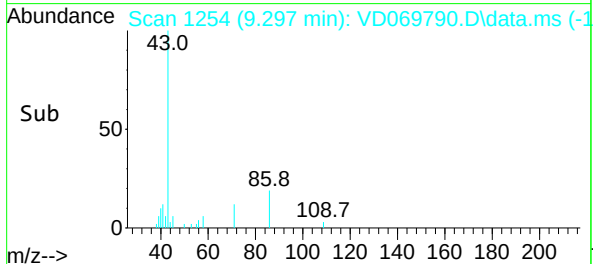
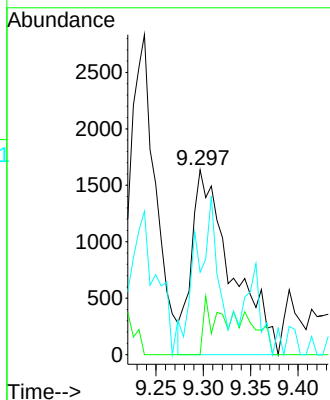
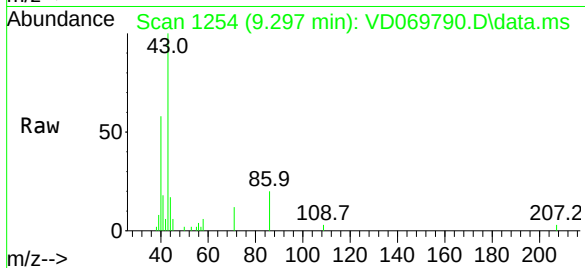
Tgt Ion: 41 Resp: 4799

Ion Ratio Lower Upper

41 100

69 12.2 71.6 107.4#

39 43.8 36.7 55.1



#50

Toluene-d8

Concen: 49.900 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD069790.D

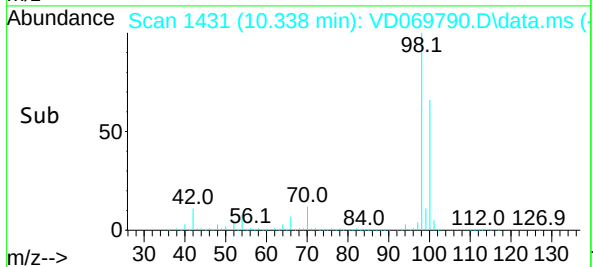
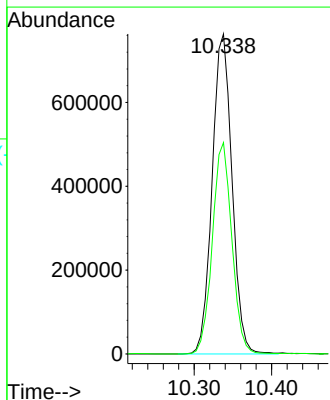
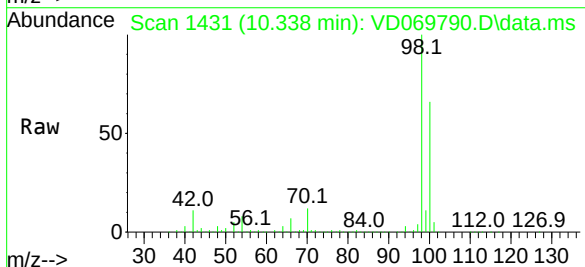
Acq: 21 Jul 2021 14:49

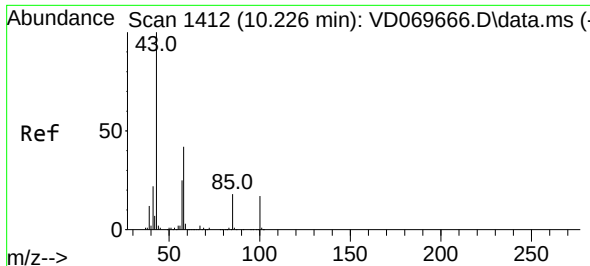
Tgt Ion: 98 Resp: 1360038

Ion Ratio Lower Upper

98 100

100 65.0 52.2 78.2

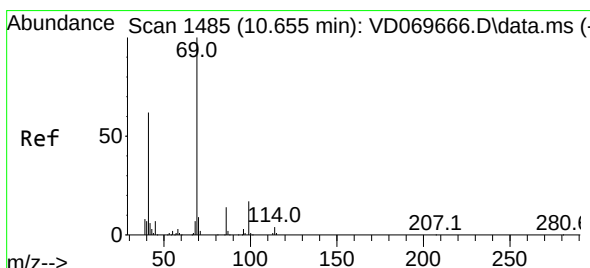
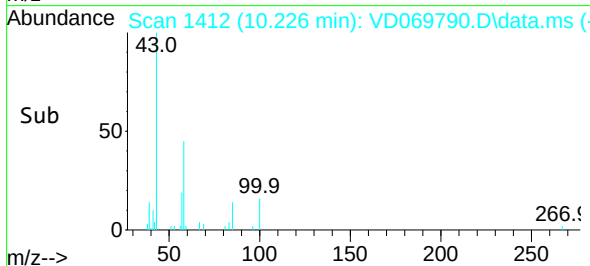
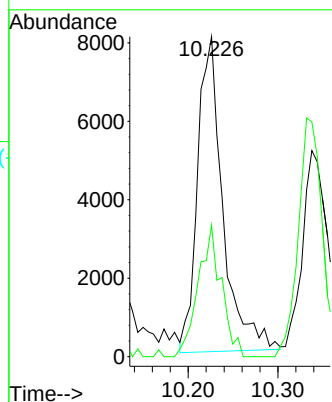
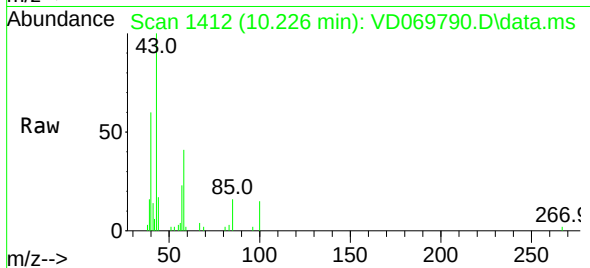




#51
4-Methyl-2-Pentanone
Concen: 4.068 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. 0.000 min
Lab File: VD069790.D
Acq: 21 Jul 2021 14:49

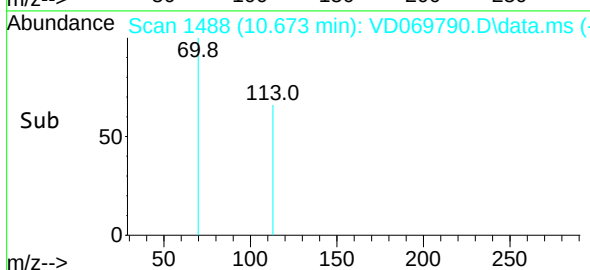
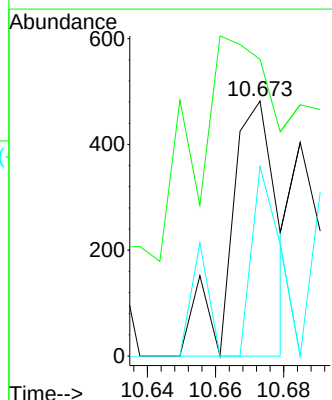
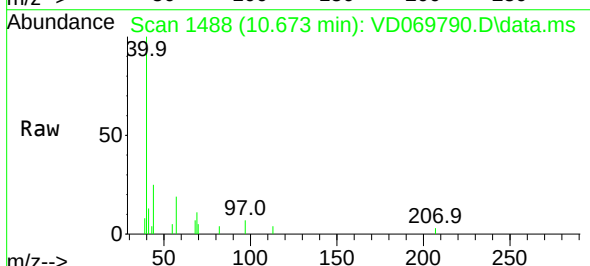
Instrument :
MSVOA_D
ClientSampled :

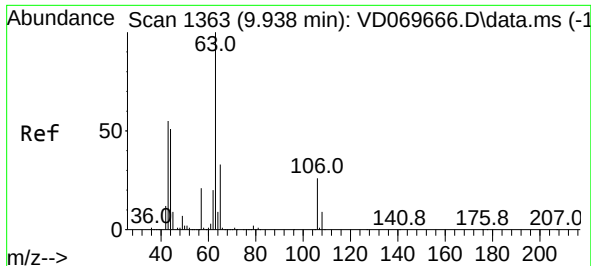
Tgt Ion: 43 Resp: 15744
Ion Ratio Lower Upper
43 100
58 38.0 33.5 50.3



#56
Ethyl methacrylate
Concen: 1.727 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.018 min
Lab File: VD069790.D
Acq: 21 Jul 2021 14:49

Tgt Ion: 69 Resp: 456
Ion Ratio Lower Upper
69 100
41 211.2 49.5 74.3#
39 0.0 22.5 33.7#

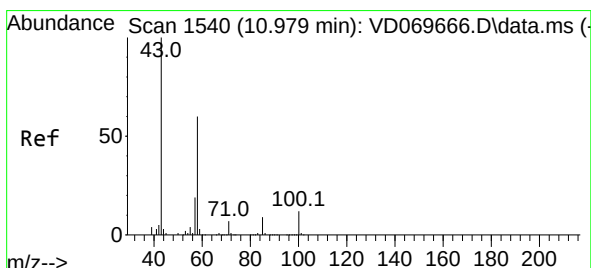
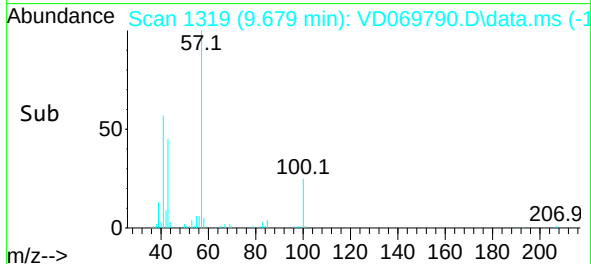
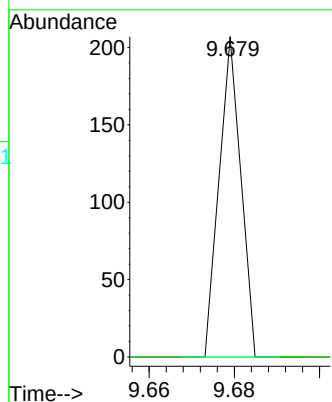
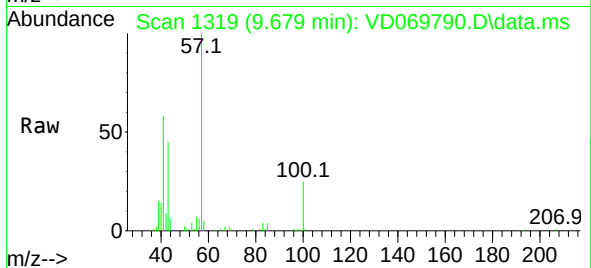




#58
2-Chloroethyl Vinyl ether
Concen: 9.382 ug/l
RT: 9.679 min Scan# 1319
Delta R.T. -0.259 min
Lab File: VD069790.D
Acq: 21 Jul 2021 14:49

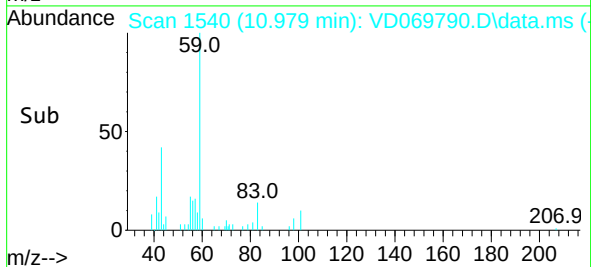
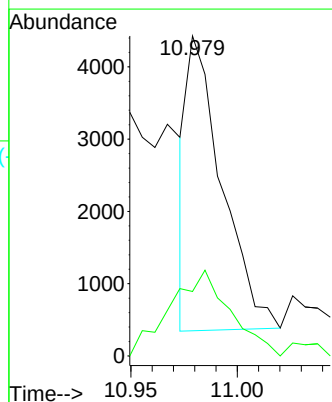
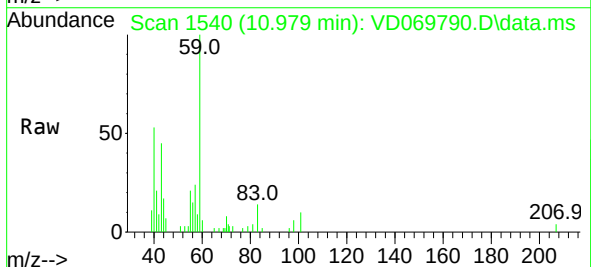
Instrument :
MSVOA_D
ClientSampled :

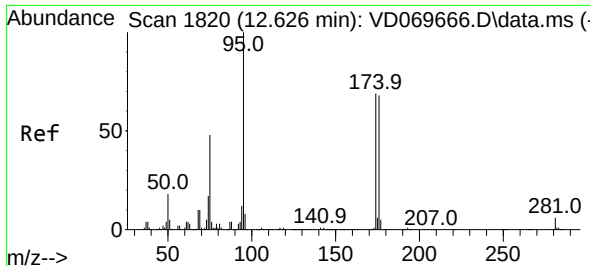
Tgt Ion: 63 Resp: 73
Ion Ratio Lower Upper
63 100
106 0.0 21.1 31.7#



#59
2-Hexanone
Concen: 1.784 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VD069790.D
Acq: 21 Jul 2021 14:49

Tgt Ion: 43 Resp: 4603
Ion Ratio Lower Upper
43 100
58 50.7 29.1 87.4

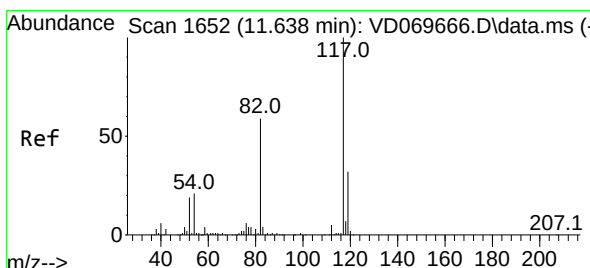
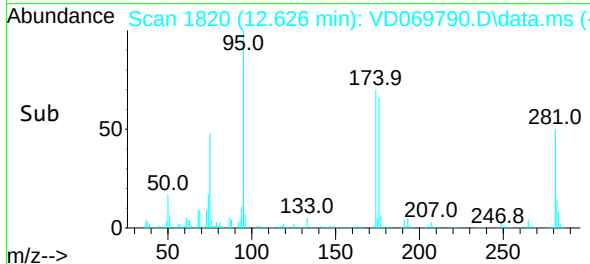
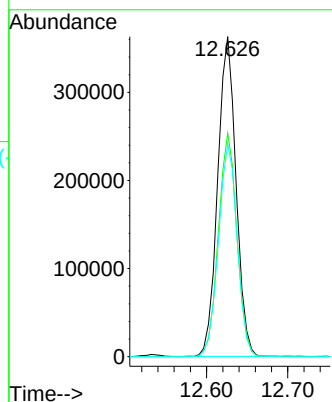
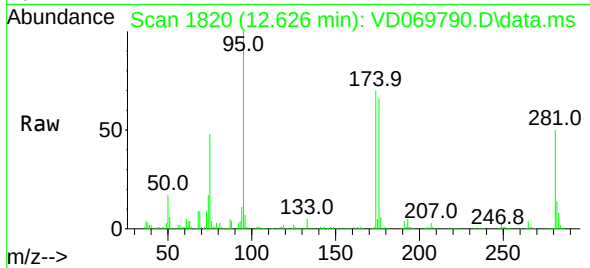




#62
4-Bromofluorobenzene
Concen: 62.780 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069790.D
Acq: 21 Jul 2021 14:49

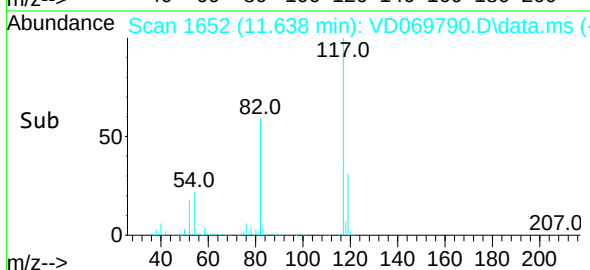
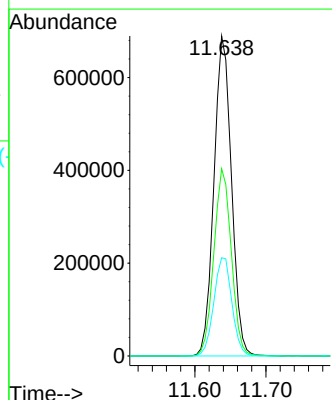
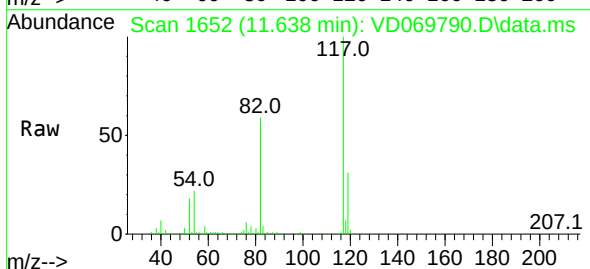
Instrument :
MSVOA_D
ClientSampleId :

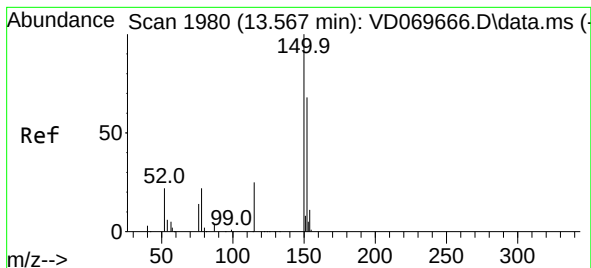
Tgt Ion: 95 Resp: 570668
Ion Ratio Lower Upper
95 100
174 70.7 0.0 140.0
176 67.8 0.0 136.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069790.D
Acq: 21 Jul 2021 14:49

Tgt Ion: 117 Resp: 1179805
Ion Ratio Lower Upper
117 100
82 58.5 47.4 71.2
119 30.7 25.5 38.3

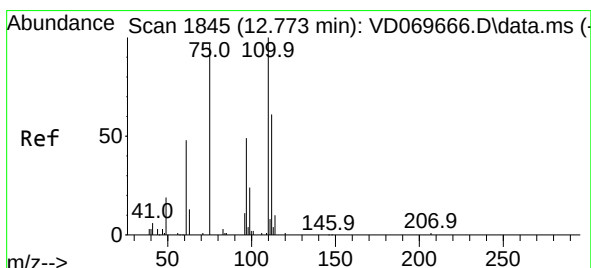
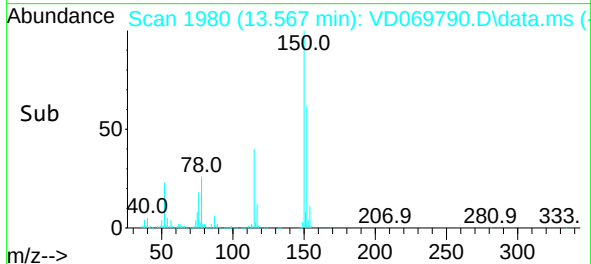
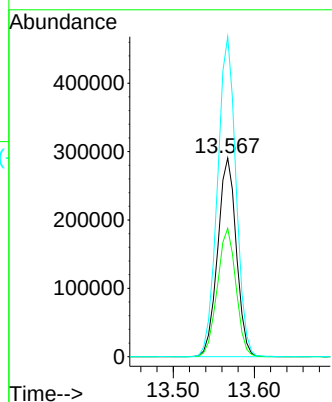
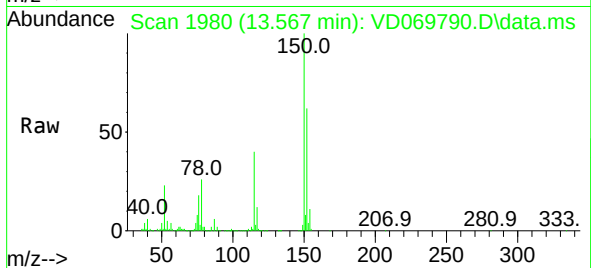




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. 0.000 min
 Lab File: VD069790.D
 Acq: 21 Jul 2021 14:49

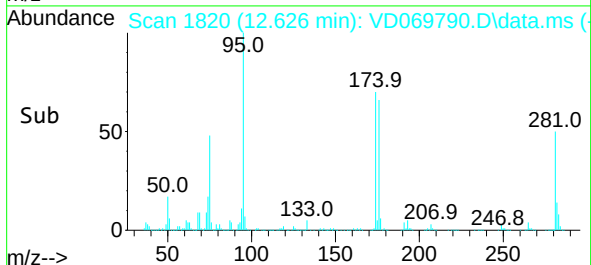
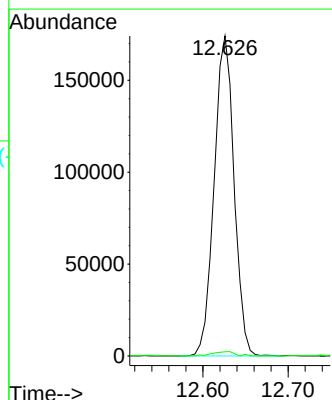
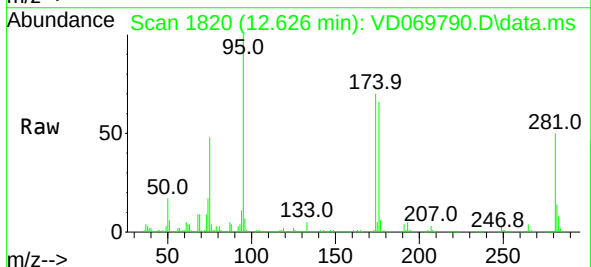
Instrument :
 MSVOA_D
 ClientSampled :

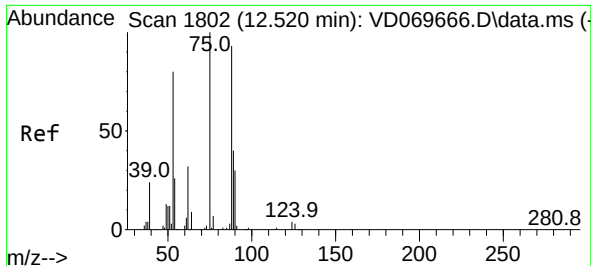
Tgt Ion:152 Resp: 463447
 Ion Ratio Lower Upper
 152 100
 115 64.4 31.7 95.1
 150 159.8 0.0 350.4



#76
 1,2,3-Trichloropropane
 Concen: 62.904 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069790.D
 Acq: 21 Jul 2021 14:49

Tgt Ion: 75 Resp: 283209
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#

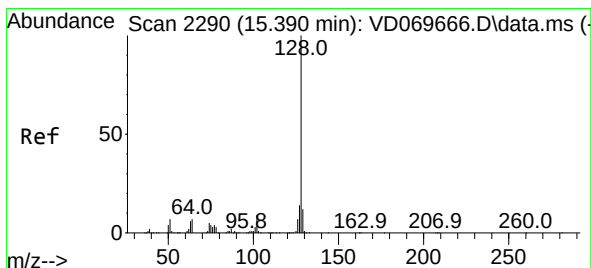
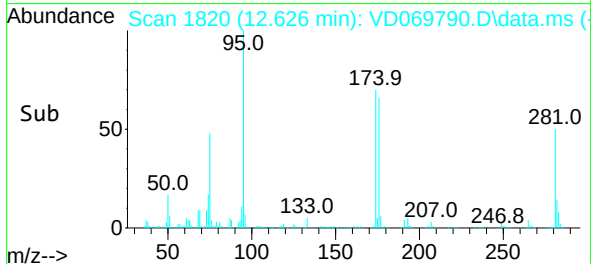
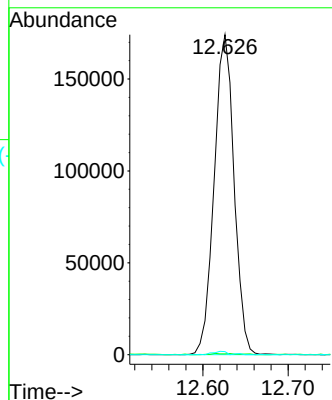
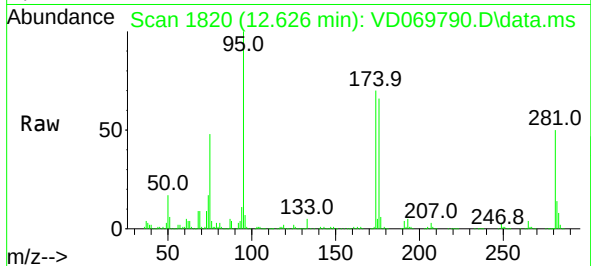




#81
trans-1,4-Dichloro-2-butene
Concen: 169.051 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069790.D
Acq: 21 Jul 2021 14:49

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 283209
Ion Ratio Lower Upper
75 100
53 0.4 70.6 106.0#
89 0.8 35.1 52.7#



#95
Naphthalene
Concen: 2.324 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.011 min
Lab File: VD069790.D
Acq: 21 Jul 2021 14:49

Tgt Ion:128 Resp: 1829
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 30.1 8.8 13.2#

