

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071621\
 Data File : VD069730.D
 Acq On : 16 Jul 2021 17:34
 Operator : VA/SY
 Sample : M3029-07
 Misc : 4.94G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 17 00:54:44 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)

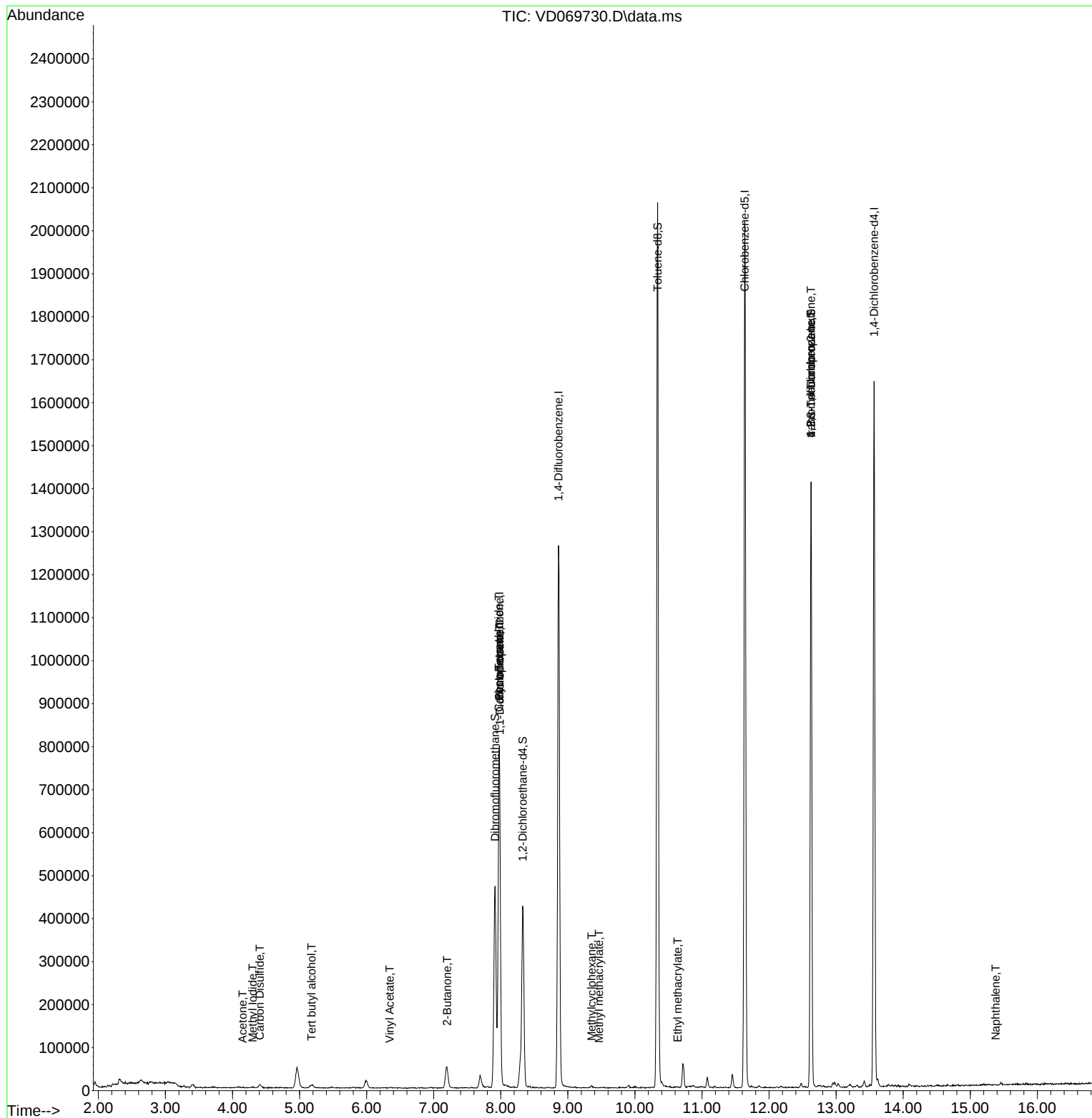
Internal Standards						
1) Pentafluorobenzene	7.979	168	559645	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1081561	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	1145813	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	421889	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	330556	47.304	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.600%		
35) Dibromofluoromethane	7.914	113	345713	47.645	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.300%		
50) Toluene-d8	10.337	98	1407780	49.940	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.880%		
62) 4-Bromofluorobenzene	12.625	95	485929	51.686	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	103.380%		
Target Compounds						Qvalue
3) Chloromethane	2.208	50	2202	Below Cal		95
5) Bromomethane	2.779	94	2943	Below Cal		99
10) Methyl Iodide	4.302	142	1657	2.695 ug/l #		65
11) Tert butyl alcohol	5.179	59	7658	8.202 ug/l #		79
16) Acetone	4.149	43	2410	14.622 ug/l #		67
17) Carbon Disulfide	4.408	76	15379	1.143 ug/l #		94
18) Methyl Acetate	4.726	43	99	Below Cal #		49
20) Methylene Chloride	4.967	84	36816	Below Cal		89
23) Vinyl Acetate	6.343	43	174	15.440 ug/l #		72
25) 2-Butanone	7.202	43	2398	1.452 ug/l		91
31) Cyclohexane	7.979	56	15386	1.688 ug/l #		1
36) 1,1-Dichloropropene	7.985	75	51286	4.596 ug/l #		50
38) Carbon Tetrachloride	7.973	117	61244	5.994 ug/l #		19
39) Methylcyclohexane	9.355	83	1361	2.057 ug/l #		87
48) Methyl methacrylate	9.467	41	61	1.117 ug/l #		1
56) Ethyl methacrylate	10.637	69	439	1.722 ug/l #		44
76) 1,2,3-Trichloropropane	12.625	75	239084	58.334 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.625	75	239084	156.770 ug/l #		14
95) Naphthalene	15.378	128	648	2.251 ug/l #		69

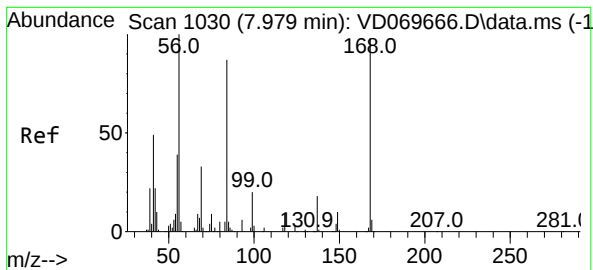
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 14 06:00:31 2021
Response via : Initial Calibration

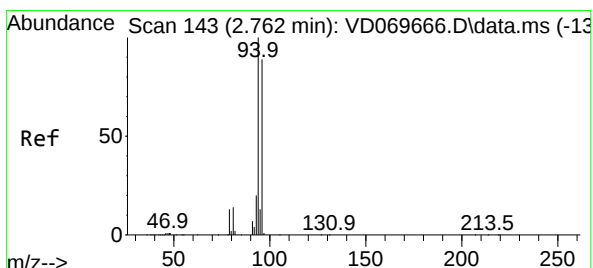
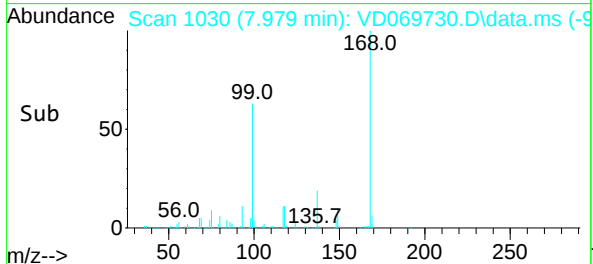
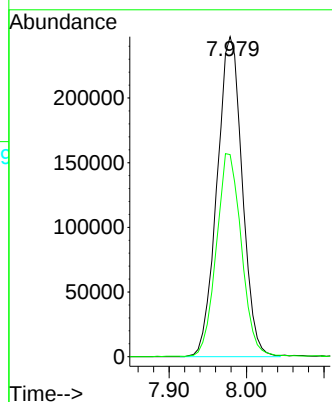
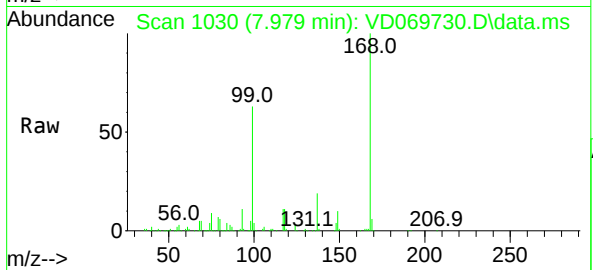




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069730.D
Acq: 16 Jul 2021 17:34

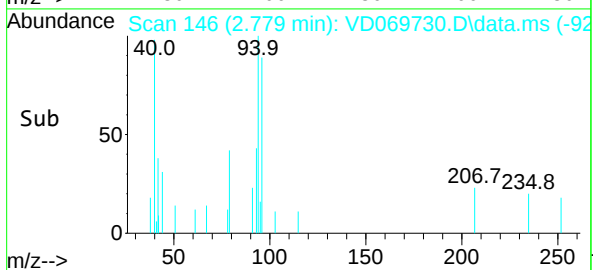
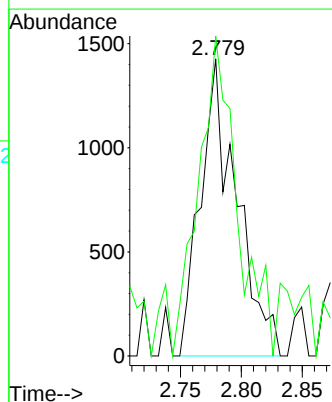
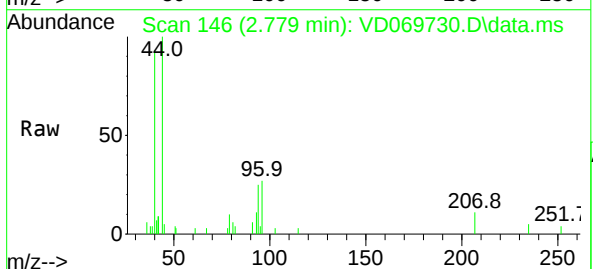
Instrument :
MSVOA_D
ClientSampleId :

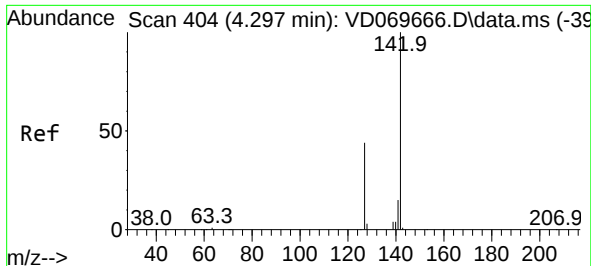
Tgt Ion:168 Resp: 559645
Ion Ratio Lower Upper
168 100
99 63.0 51.8 77.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD069730.D
Acq: 16 Jul 2021 17:34

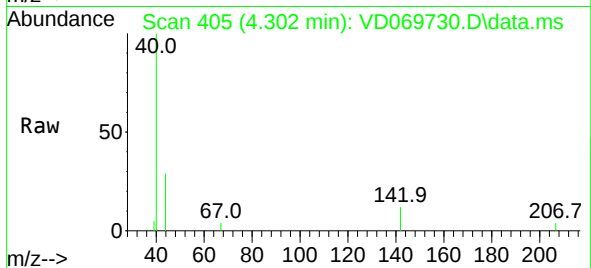
Tgt Ion: 94 Resp: 2943
Ion Ratio Lower Upper
94 100
96 90.1 71.2 106.8



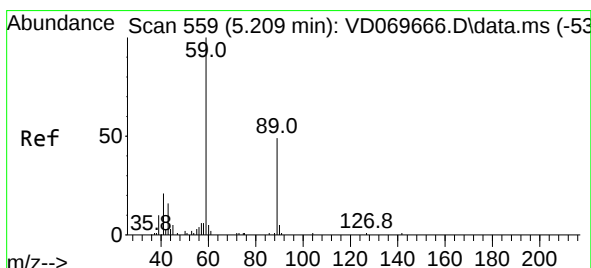
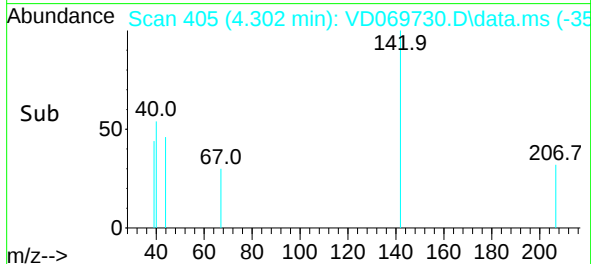
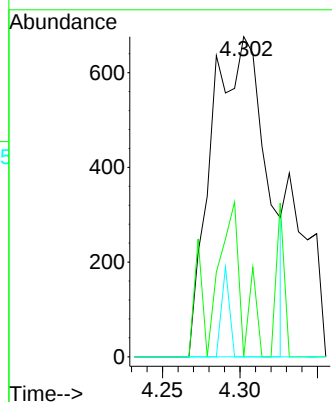


#10
Methyl Iodide
Concen: 2.695 ug/l
RT: 4.302 min Scan# 405
Delta R.T. 0.005 min
Lab File: VD069730.D
Acq: 16 Jul 2021 17:34

Instrument :
MSVOA_D
ClientSampled :

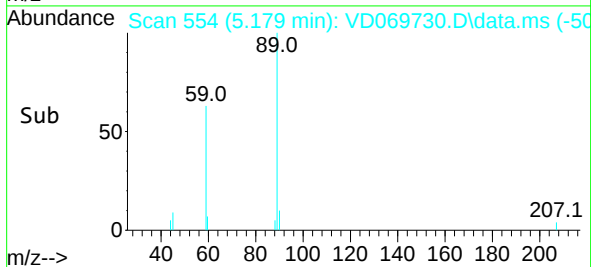
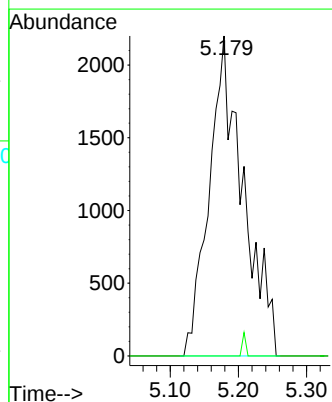
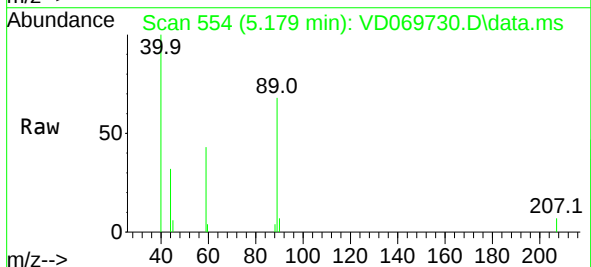


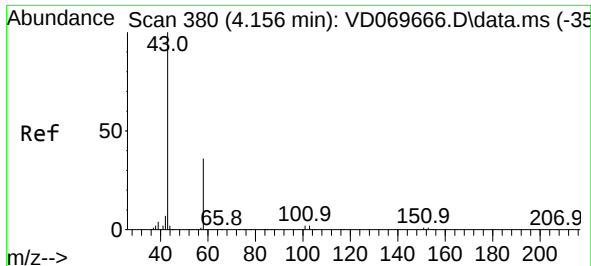
Tgt Ion:142 Resp: 1657
Ion Ratio Lower Upper
142 100
127 20.1 36.1 54.1#
141 4.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 8.202 ug/l
RT: 5.179 min Scan# 554
Delta R.T. -0.030 min
Lab File: VD069730.D
Acq: 16 Jul 2021 17:34

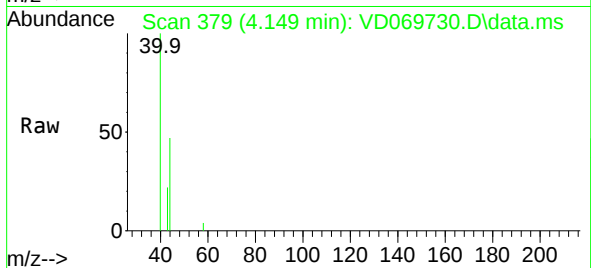
Tgt Ion: 59 Resp: 7658
Ion Ratio Lower Upper
59 100
57 0.0 5.7 8.5#



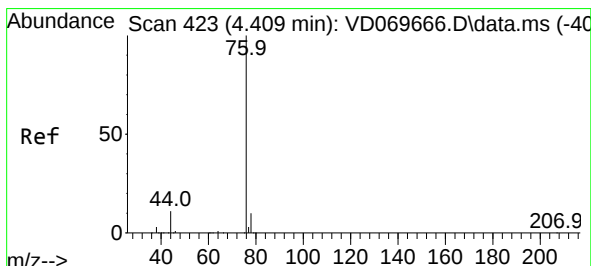
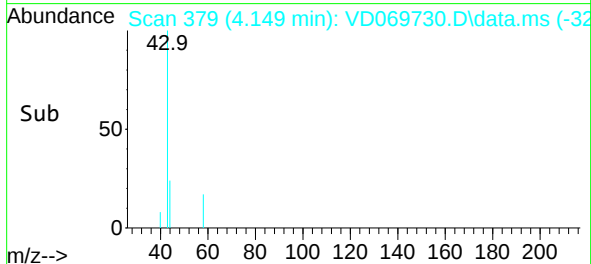
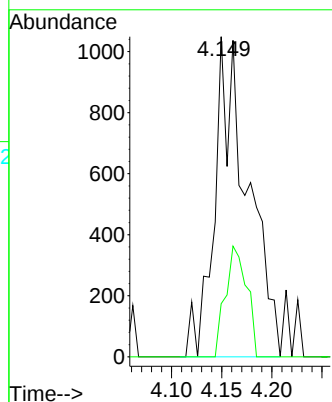


#16
Acetone
Concen: 14.622 ug/l
RT: 4.149 min Scan# 379
Delta R.T. -0.007 min
Lab File: VD069730.D
Acq: 16 Jul 2021 17:34

Instrument :
MSVOA_D
ClientSampled :

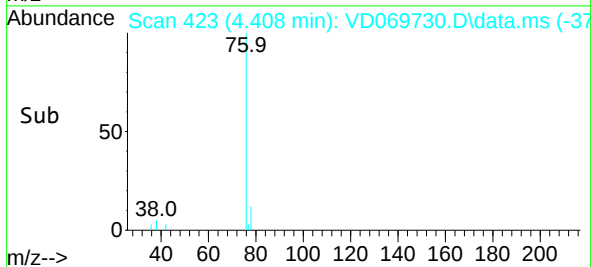
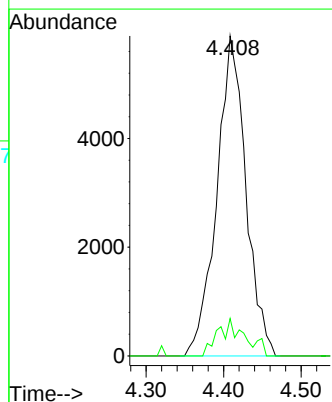
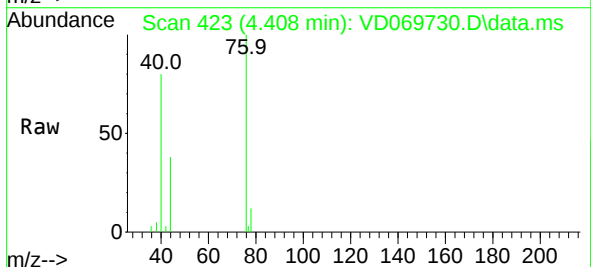


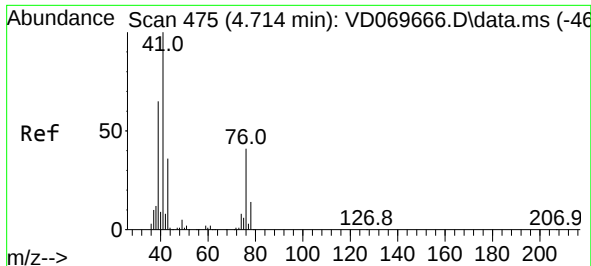
Tgt Ion: 43 Resp: 2410
Ion Ratio Lower Upper
43 100
58 16.6 28.6 42.8#



#17
Carbon Disulfide
Concen: 1.143 ug/l
RT: 4.408 min Scan# 423
Delta R.T. -0.001 min
Lab File: VD069730.D
Acq: 16 Jul 2021 17:34

Tgt Ion: 76 Resp: 15379
Ion Ratio Lower Upper
76 100
78 11.7 7.6 11.4#

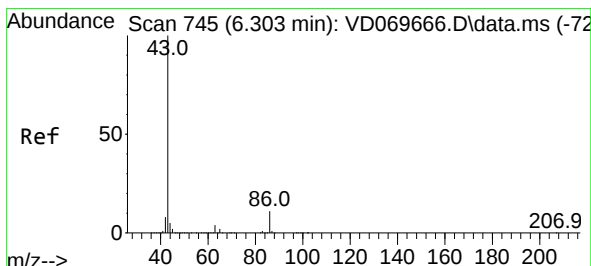
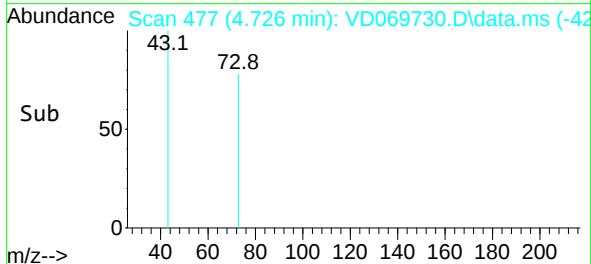
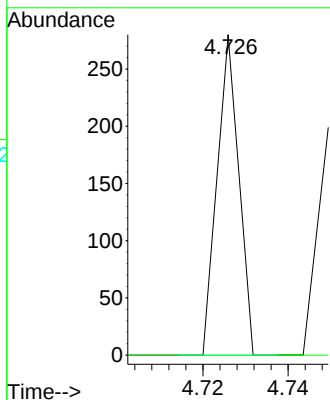
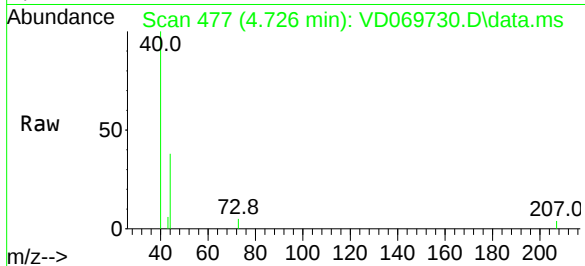




#18
Methyl Acetate
Concen: Below Cal
RT: 4.726 min Scan# 477
Delta R.T. 0.012 min
Lab File: VD069730.D
Acq: 16 Jul 2021 17:34

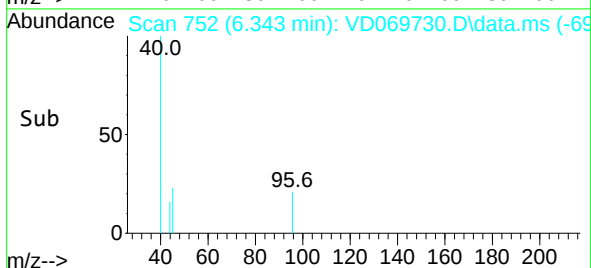
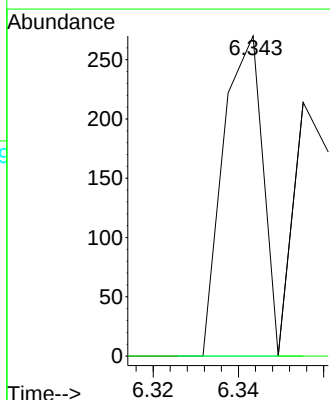
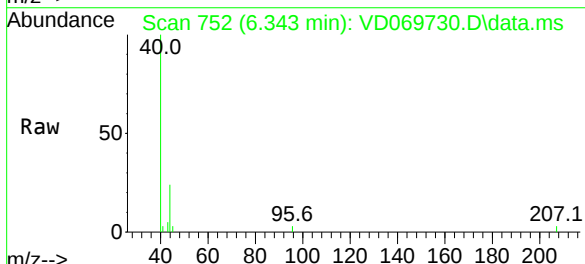
Instrument :
MSVOA_D
ClientSampleId :

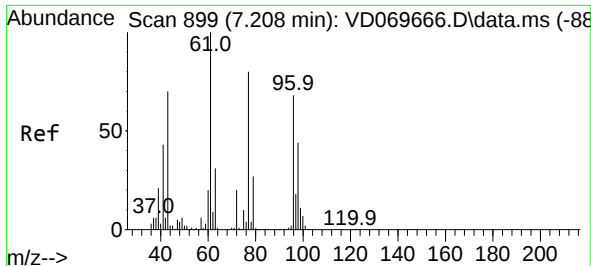
Tgt Ion: 43 Resp: 99
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



#23
Vinyl Acetate
Concen: 15.440 ug/l
RT: 6.343 min Scan# 752
Delta R.T. 0.040 min
Lab File: VD069730.D
Acq: 16 Jul 2021 17:34

Tgt Ion: 43 Resp: 174
Ion Ratio Lower Upper
43 100
86 0.0 8.6 12.8#

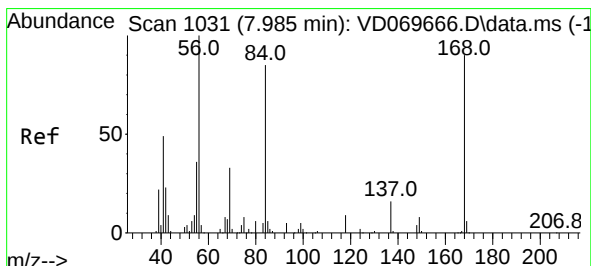
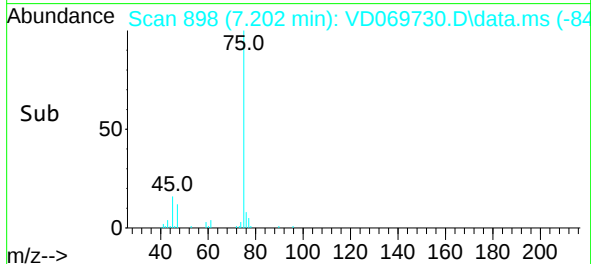
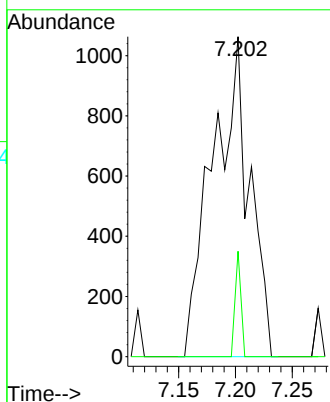
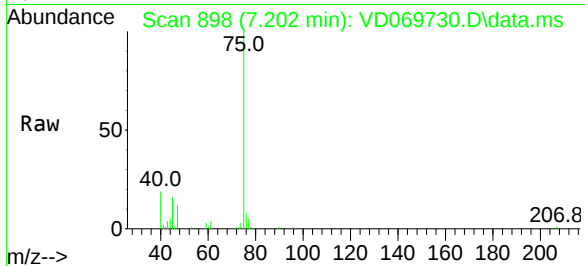




#25
2-Butanone
Concen: 1.452 ug/l
RT: 7.202 min Scan# 898
Delta R.T. -0.006 min
Lab File: VD069730.D
Acq: 16 Jul 2021 17:34

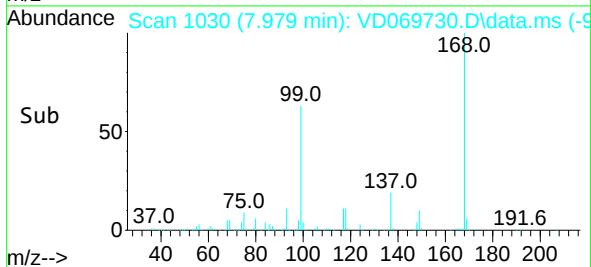
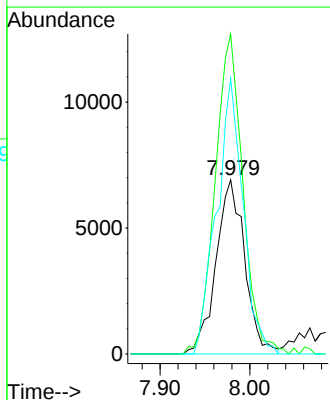
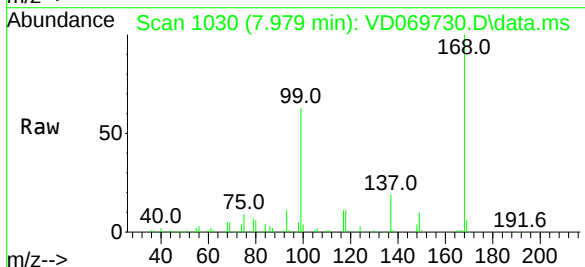
Instrument :
MSVOA_D
ClientSampled :

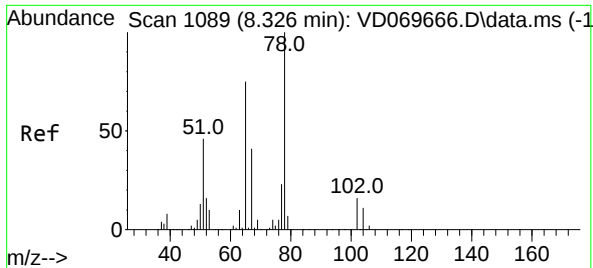
Tgt Ion: 43 Resp: 2398
Ion Ratio Lower Upper
43 100
72 32.9 22.6 33.8



#31
Cyclohexane
Concen: 1.688 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069730.D
Acq: 16 Jul 2021 17:34

Tgt Ion: 56 Resp: 15386
Ion Ratio Lower Upper
56 100
69 183.8 26.6 39.8#
84 158.3 68.2 102.2#

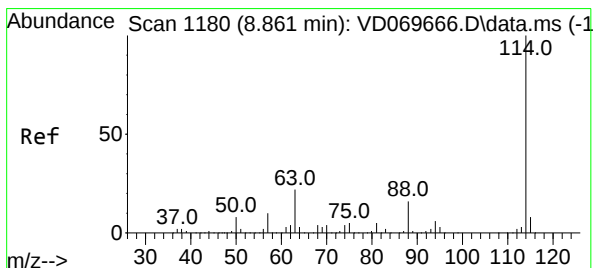
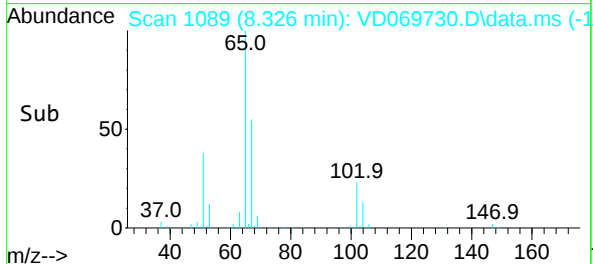
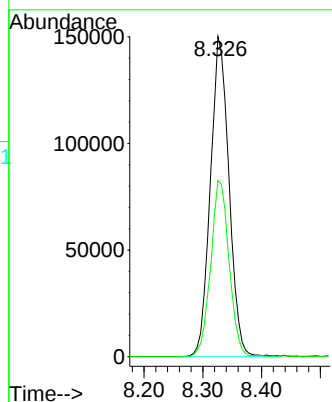
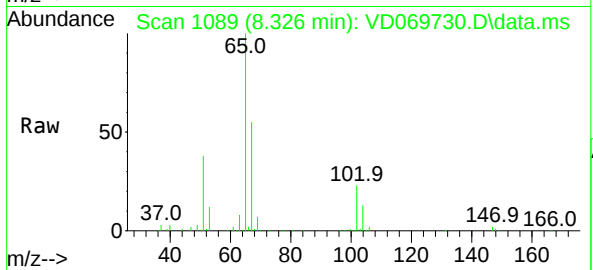




#33
1,2-Dichloroethane-d4
Concen: 47.304 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069730.D
Acq: 16 Jul 2021 17:34

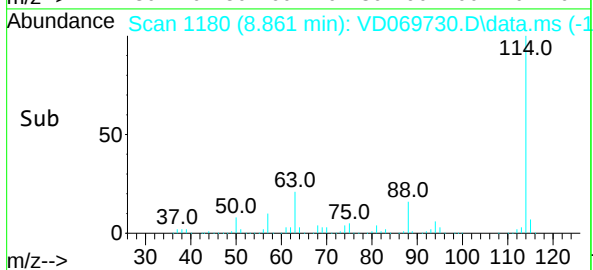
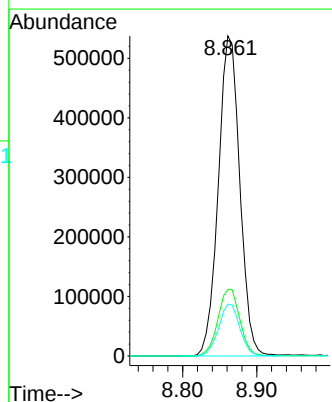
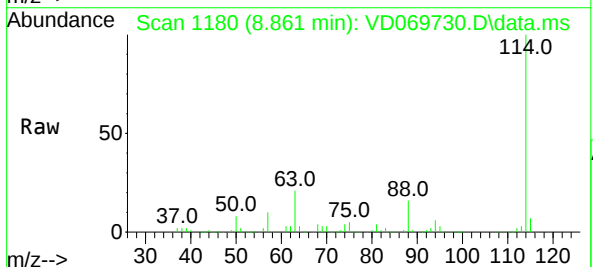
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MSVOA_D
ClientSampleId :

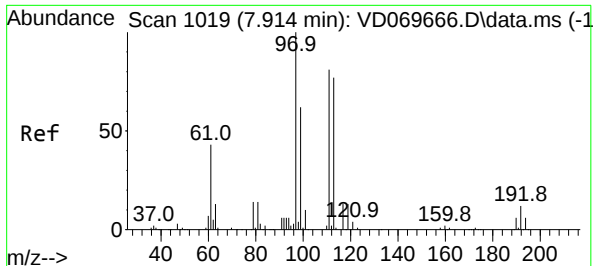
Tgt Ion: 65 Resp: 330556
Ion Ratio Lower Upper
65 100
67 54.3 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD069730.D
Acq: 16 Jul 2021 17:34

Tgt Ion: 114 Resp: 1081561
Ion Ratio Lower Upper
114 100
63 20.8 0.0 43.4
88 16.2 0.0 32.0





#35

Dibromofluoromethane

Concen: 47.645 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069730.D

Acq: 16 Jul 2021 17:34

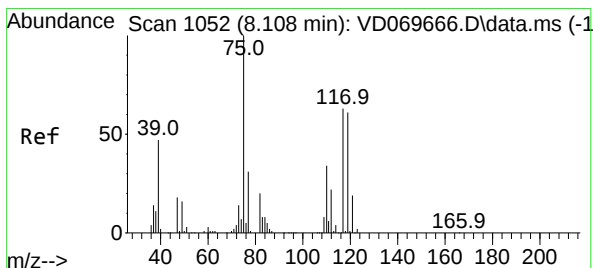
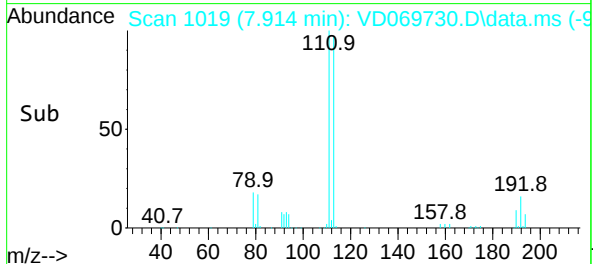
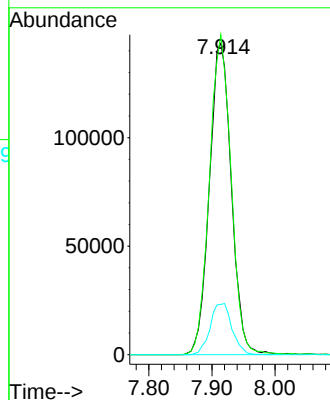
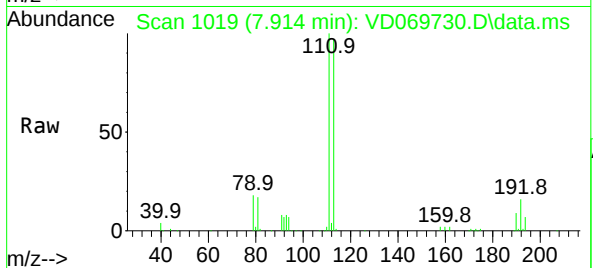
Tgt Ion:113 Resp: 345713

Ion Ratio Lower Upper

113 100

111 101.6 82.6 123.8

192 16.4 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.596 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.123 min

Lab File: VD069730.D

Acq: 16 Jul 2021 17:34

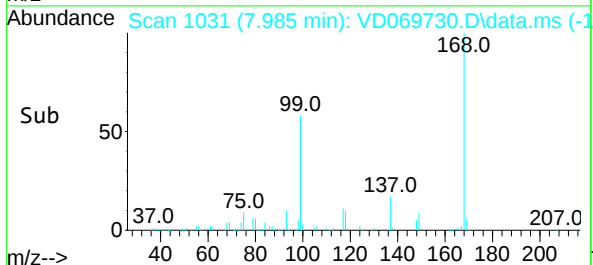
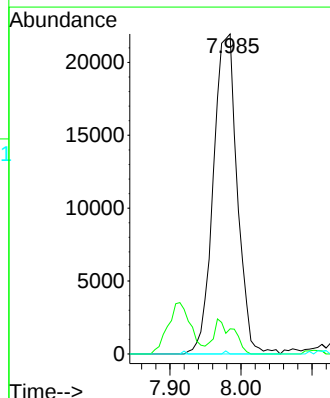
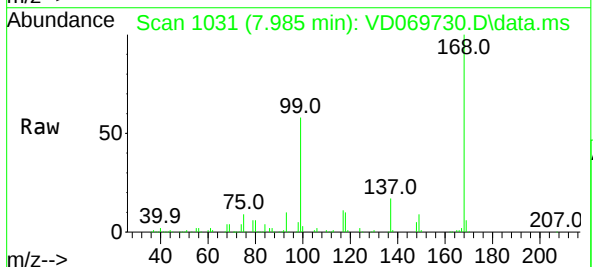
Tgt Ion: 75 Resp: 51286

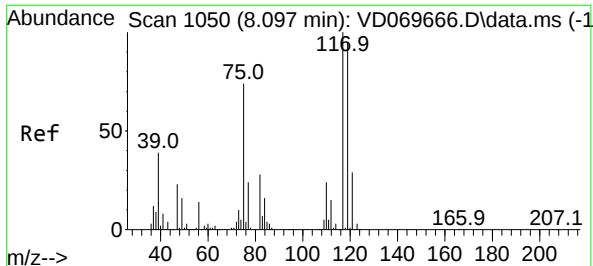
Ion Ratio Lower Upper

75 100

110 9.0 16.7 50.0#

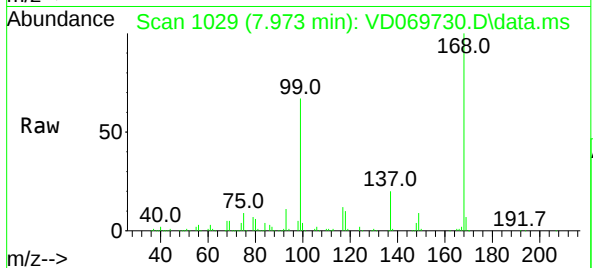
77 0.1 25.3 37.9#



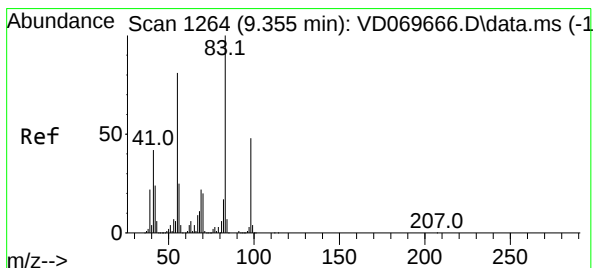
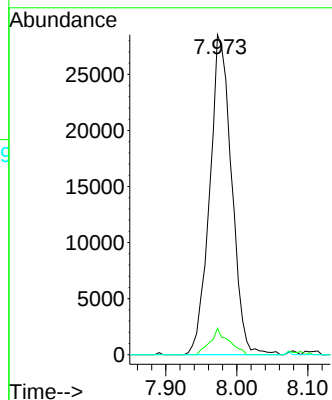
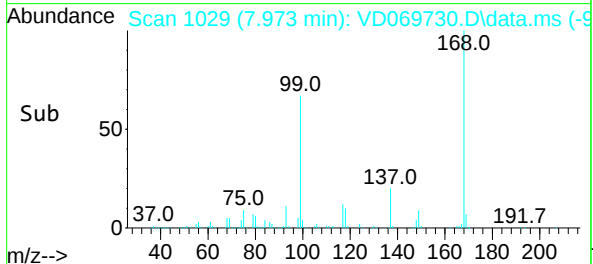


#38
Carbon Tetrachloride
Concen: 5.994 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069730.D
Acq: 16 Jul 2021 17:34

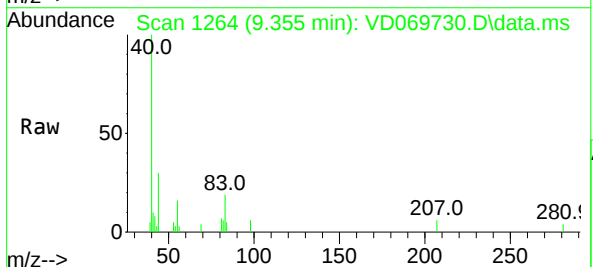
Instrument :
MSVOA_D
ClientSampleId :



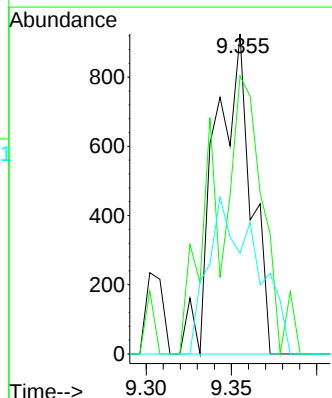
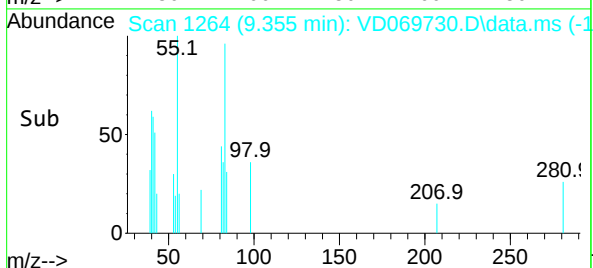
Tgt Ion:117 Resp: 61244
Ion Ratio Lower Upper
117 100
119 8.3 75.7 113.5#
121 0.0 23.0 34.6#

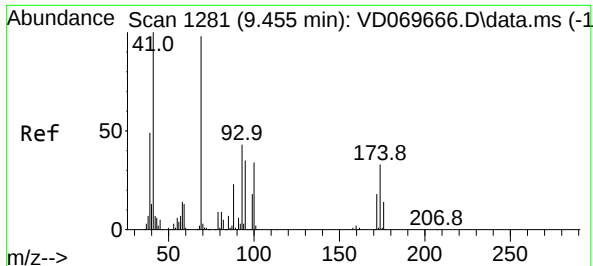


#39
Methylcyclohexane
Concen: 2.057 ug/l
RT: 9.355 min Scan# 1264
Delta R.T. 0.000 min
Lab File: VD069730.D
Acq: 16 Jul 2021 17:34



Tgt Ion: 83 Resp: 1361
Ion Ratio Lower Upper
83 100
55 86.9 64.6 97.0
98 31.5 38.4 57.6#

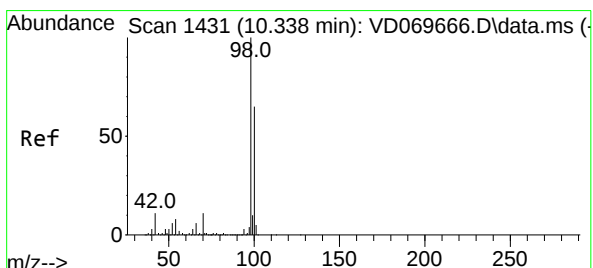
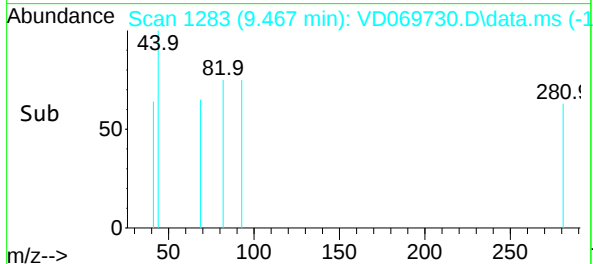
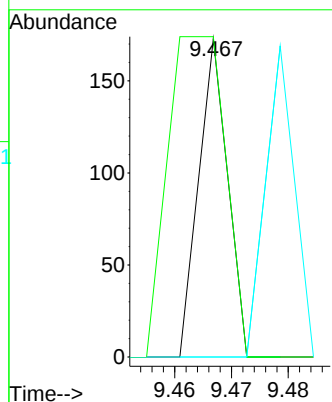
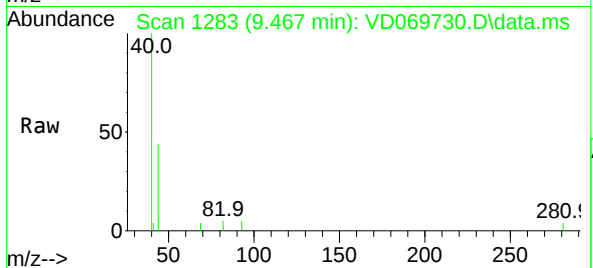




#48
Methyl methacrylate
Concen: 1.117 ug/l
RT: 9.467 min Scan# 1283
Delta R.T. 0.012 min
Lab File: VD069730.D
Acq: 16 Jul 2021 17:34

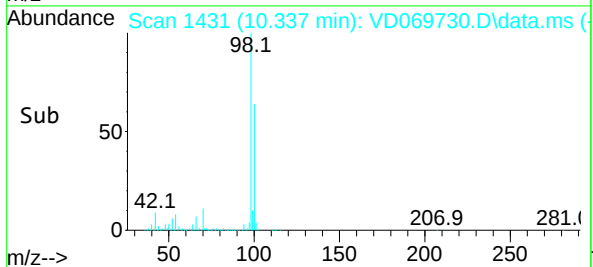
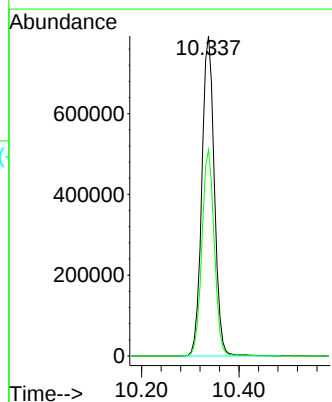
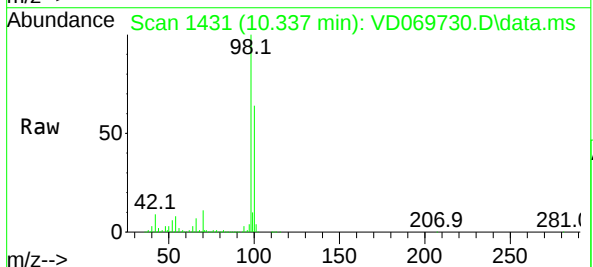
Instrument :
MSVOA_D
ClientSampleId :

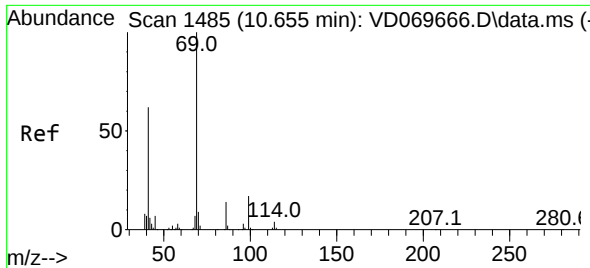
Tgt Ion: 41 Resp: 61
Ion Ratio Lower Upper
41 100
69 201.6 71.6 107.4#
39 98.4 36.7 55.1#



#50
Toluene-d8
Concen: 49.940 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.001 min
Lab File: VD069730.D
Acq: 16 Jul 2021 17:34

Tgt Ion: 98 Resp: 1407780
Ion Ratio Lower Upper
98 100
100 63.9 52.2 78.2

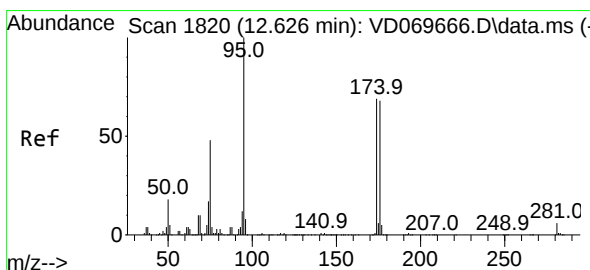
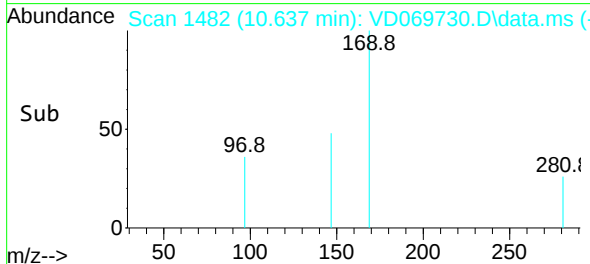
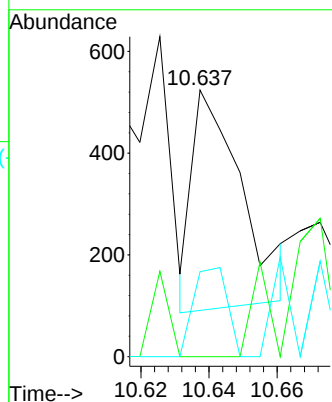
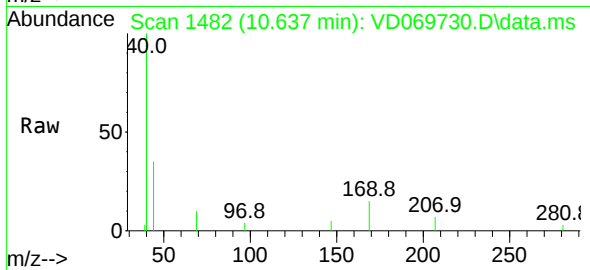




#56
Ethyl methacrylate
Concen: 1.722 ug/l
RT: 10.637 min Scan# 1482
Delta R.T. -0.018 min
Lab File: VD069730.D
Acq: 16 Jul 2021 17:34

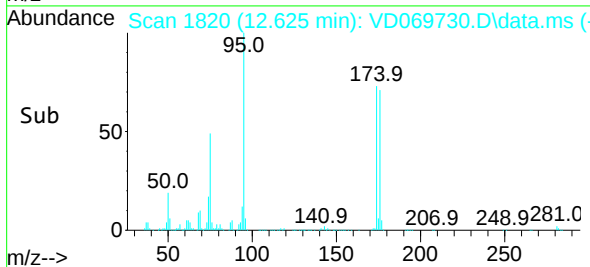
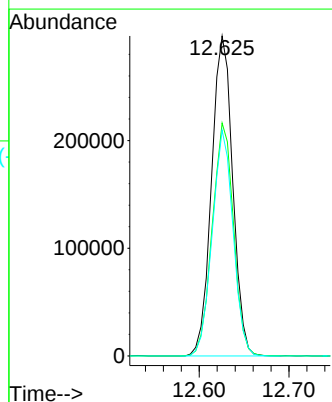
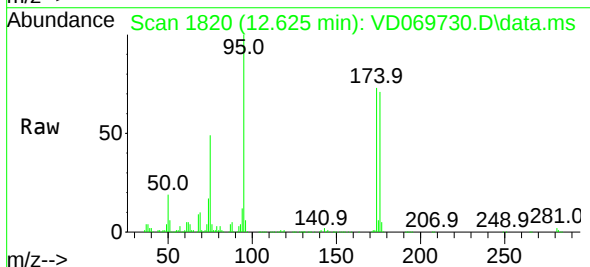
Instrument :
MSVOA_D
ClientSampleId :

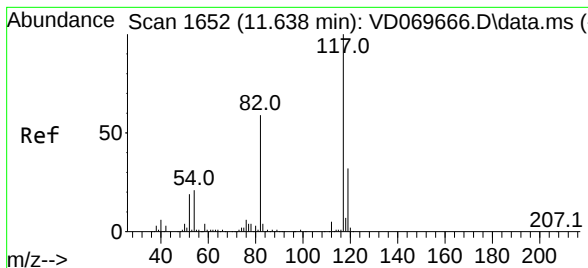
Tgt Ion: 69 Resp: 439
Ion Ratio Lower Upper
69 100
41 0.0 49.5 74.3#
39 27.6 22.5 33.7



#62
4-Bromofluorobenzene
Concen: 51.686 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.001 min
Lab File: VD069730.D
Acq: 16 Jul 2021 17:34

Tgt Ion: 95 Resp: 485929
Ion Ratio Lower Upper
95 100
174 73.2 0.0 140.0
176 69.6 0.0 136.2

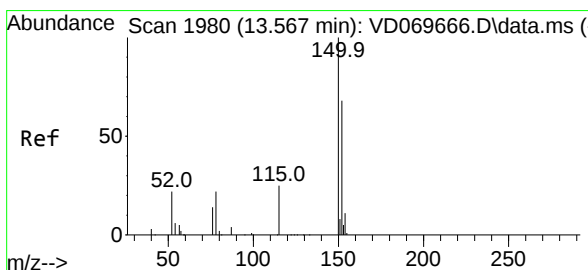
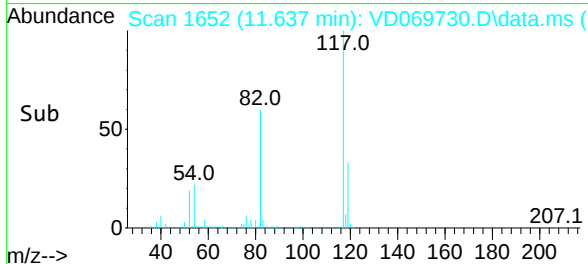
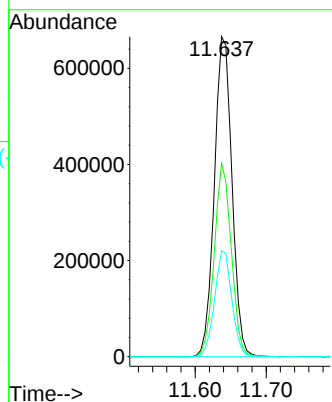
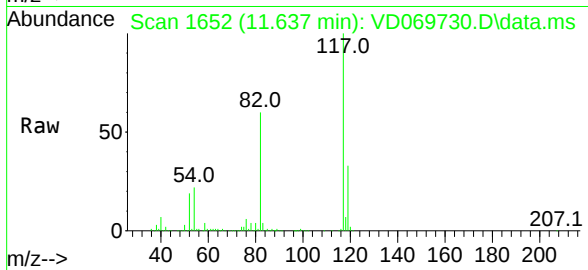




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.001 min
Lab File: VD069730.D
Acq: 16 Jul 2021 17:34

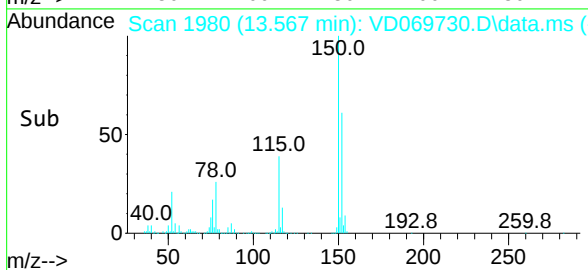
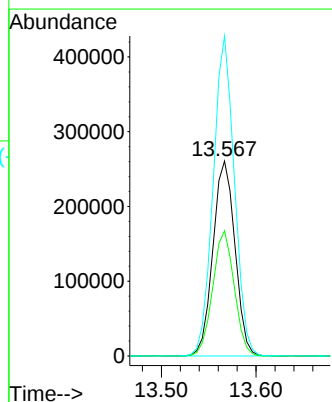
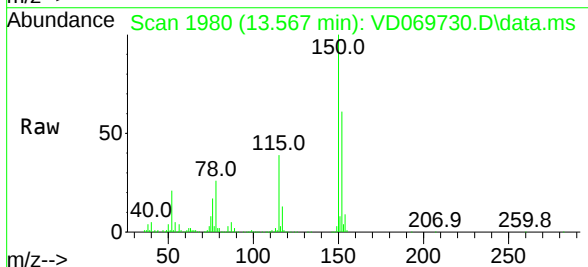
Instrument :
MSVOA_D
ClientSampleId :

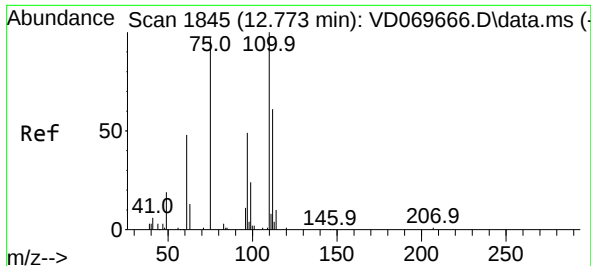
Tgt Ion:117 Resp: 1145813
Ion Ratio Lower Upper
117 100
82 60.5 47.4 71.2
119 33.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069730.D
Acq: 16 Jul 2021 17:34

Tgt Ion:152 Resp: 421889
Ion Ratio Lower Upper
152 100
115 62.7 31.7 95.1
150 158.2 0.0 350.4

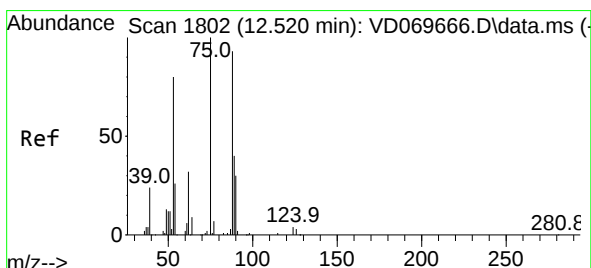
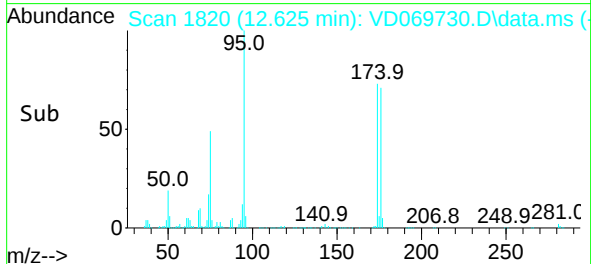
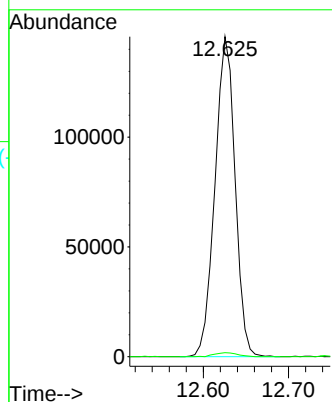
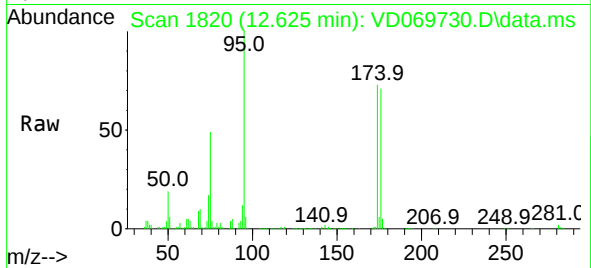




#76
1,2,3-Trichloropropane
Concen: 58.334 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.148 min
Lab File: VD069730.D
Acq: 16 Jul 2021 17:34

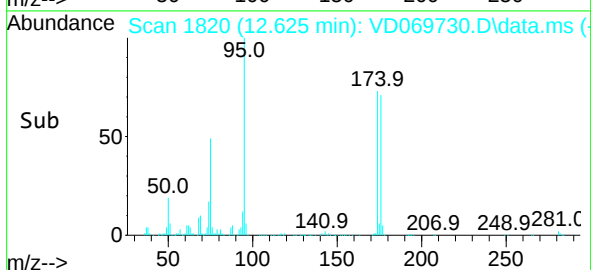
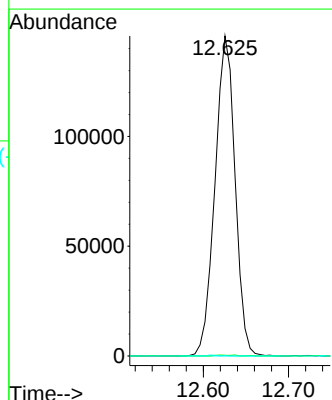
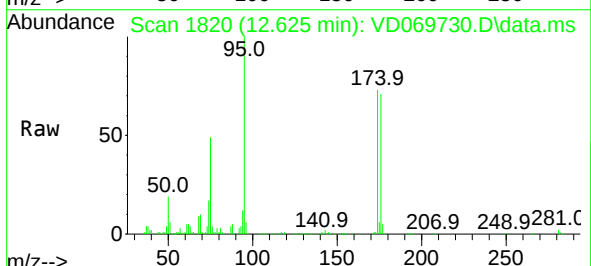
Instrument :
MSVOA_D
ClientSampleId :

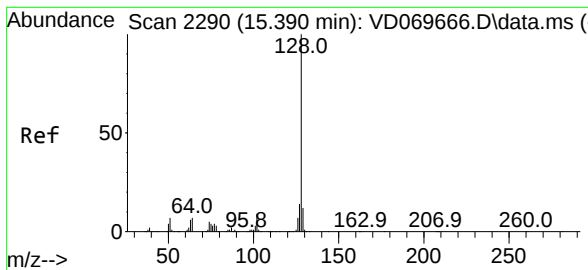
Tgt Ion: 75 Resp: 239084
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 156.770 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. 0.105 min
Lab File: VD069730.D
Acq: 16 Jul 2021 17:34

Tgt Ion: 75 Resp: 239084
Ion Ratio Lower Upper
75 100
53 0.2 70.6 106.0#
89 0.0 35.1 52.7#





#95
 Naphthalene
 Concen: 2.251 ug/l
 RT: 15.378 min Scan# 2288
 Delta R.T. -0.012 min
 Lab File: VD069730.D
 Acq: 16 Jul 2021 17:34

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion:128 Resp: 648
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 16.0#
 129 0.0 8.8 13.2#

