

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071521\
 Data File : VD069709.D
 Acq On : 15 Jul 2021 16:07
 Operator : VA/SY
 Sample : M3002-04
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 16 02:02:49 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)

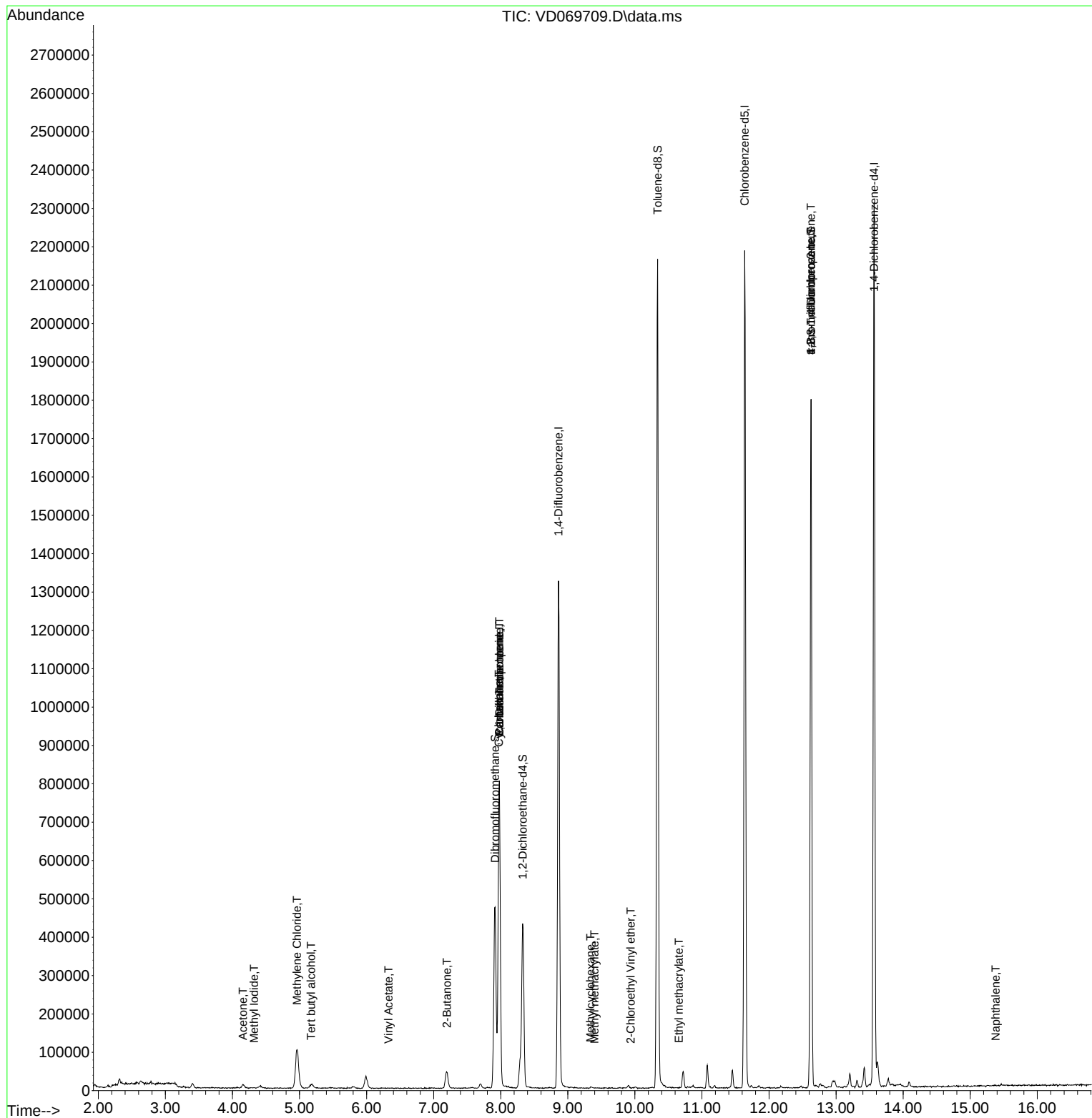
Internal Standards						
1) Pentafluorobenzene	7.979	168	560786	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1119673	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1272340	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	596309	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	337883	48.254	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.500%		
35) Dibromofluoromethane	7.914	113	359432	47.850	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.700%		
50) Toluene-d8	10.338	98	1474553	50.528	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	101.060%		
62) 4-Bromofluorobenzene	12.626	95	587819	60.396	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	120.800%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.203	50	2127	Below Cal	#	81
5) Bromomethane	2.773	94	3785	Below Cal		89
10) Methyl Iodide	4.320	142	1361	2.654	ug/l #	42
11) Tert butyl alcohol	5.173	59	10165	10.865	ug/l #	79
16) Acetone	4.156	43	17222	23.694	ug/l #	88
18) Methyl Acetate	4.691	43	85	Below Cal	#	49
20) Methylene Chloride	4.962	84	82703	3.866	ug/l	92
23) Vinyl Acetate	6.326	43	122	15.435	ug/l #	72
25) 2-Butanone	7.197	43	2708	1.636	ug/l #	47
31) Cyclohexane	7.973	56	13323	1.514	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	51680	4.474	ug/l #	49
38) Carbon Tetrachloride	7.979	117	61019	5.769	ug/l #	18
39) Methylcyclohexane	9.338	83	1089	2.034	ug/l #	58
48) Methyl methacrylate	9.397	41	231	1.157	ug/l #	63
56) Ethyl methacrylate	10.655	69	486	1.726	ug/l #	50
58) 2-Chloroethyl Vinyl ether	9.938	63	68	9.379	ug/l #	49
76) 1,2,3-Trichloropropane	12.626	75	296472	51.178	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	296472	137.538	ug/l #	14
95) Naphthalene	15.379	128	1060	2.259	ug/l #	69

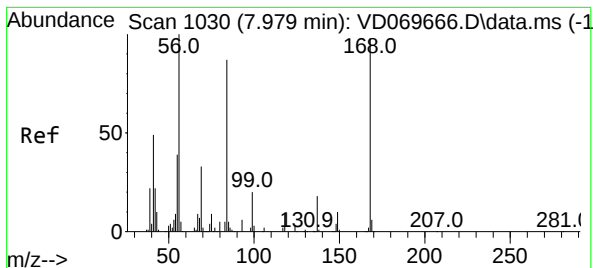
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampled :

Quant Time: Jul 16 02:02:49 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

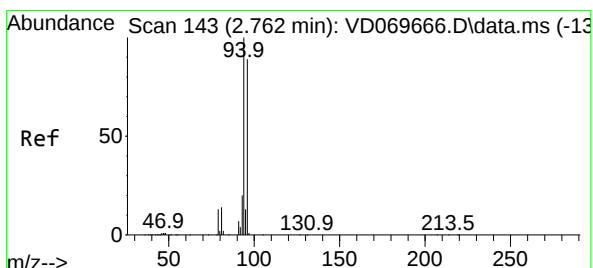
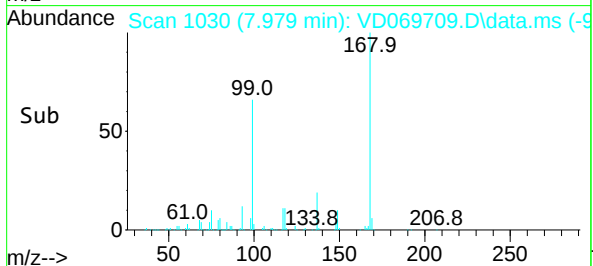
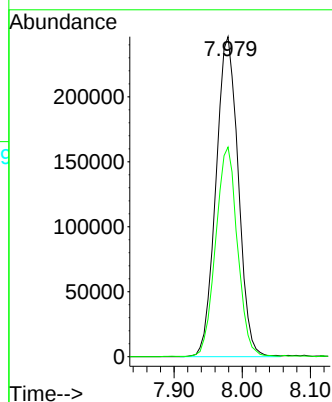
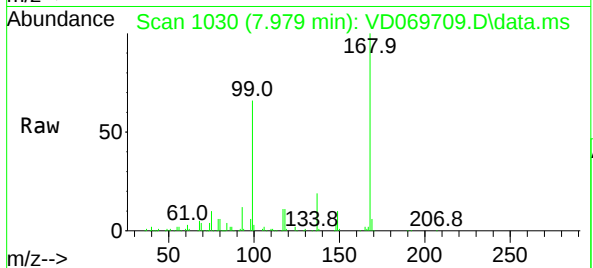




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069709.D
Acq: 15 Jul 2021 16:07

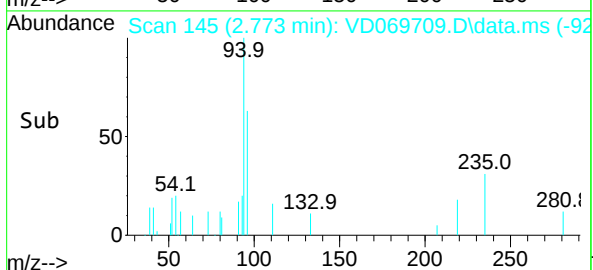
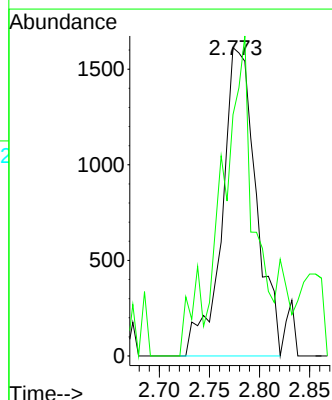
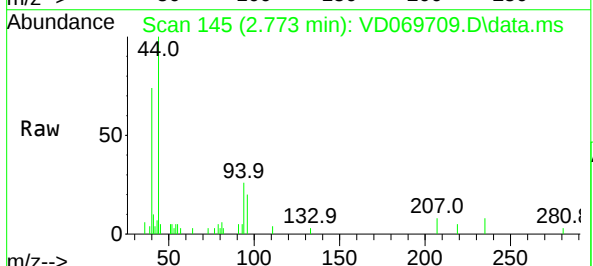
Instrument :
MSVOA_D
ClientSampled :

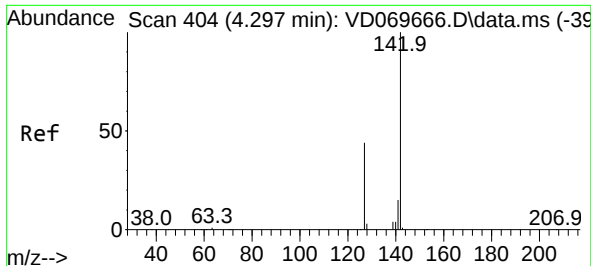
Tgt Ion:168 Resp: 560786
Ion Ratio Lower Upper
168 100
99 65.4 51.8 77.6



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD069709.D
Acq: 15 Jul 2021 16:07

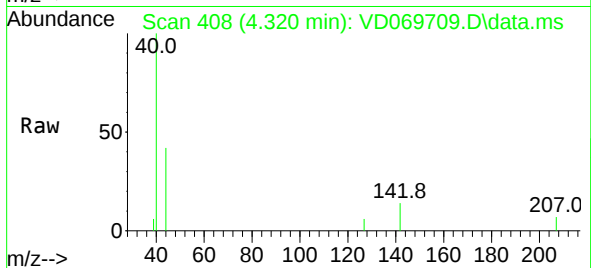
Tgt Ion: 94 Resp: 3785
Ion Ratio Lower Upper
94 100
96 78.2 71.2 106.8



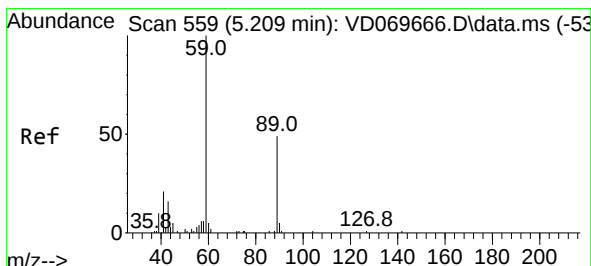
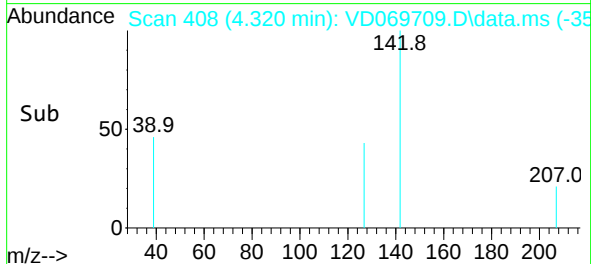
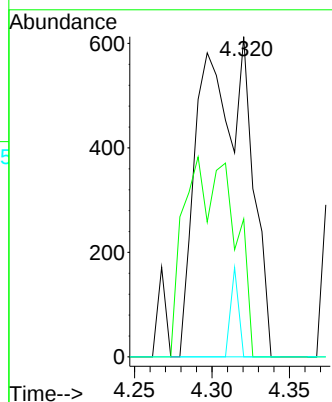


#10
Methyl Iodide
Concen: 2.654 ug/l
RT: 4.320 min Scan# 408
Delta R.T. 0.023 min
Lab File: VD069709.D
Acq: 15 Jul 2021 16:07

Instrument :
MSVOA_D
ClientSampled :

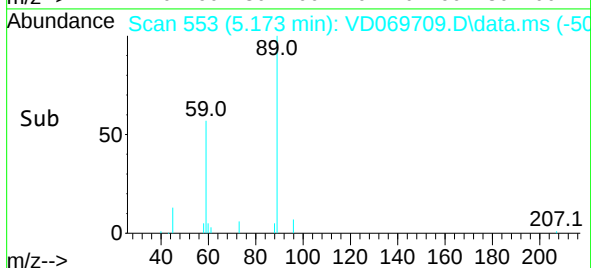
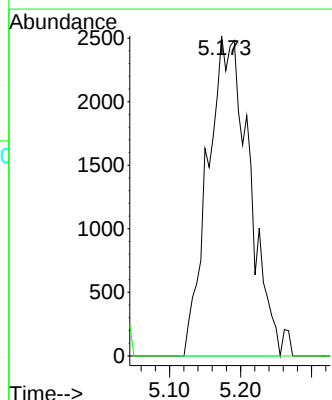
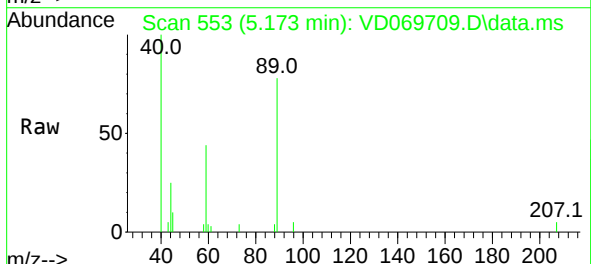


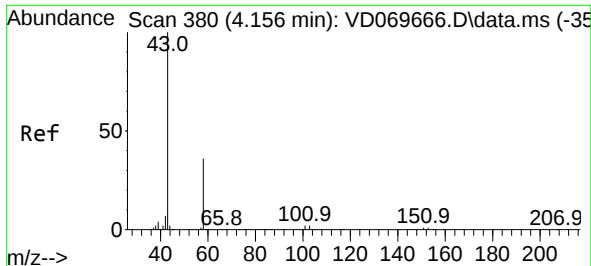
Tgt Ion:142 Resp: 1361
Ion Ratio Lower Upper
142 100
127 0.0 36.1 54.1#
141 4.4 11.6 17.4#



#11
Tert butyl alcohol
Concen: 10.865 ug/l
RT: 5.173 min Scan# 553
Delta R.T. -0.036 min
Lab File: VD069709.D
Acq: 15 Jul 2021 16:07

Tgt Ion: 59 Resp: 10165
Ion Ratio Lower Upper
59 100
57 0.0 5.7 8.5#

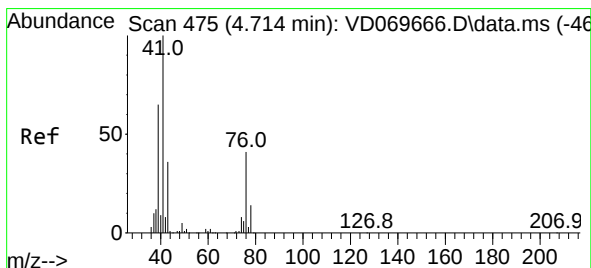
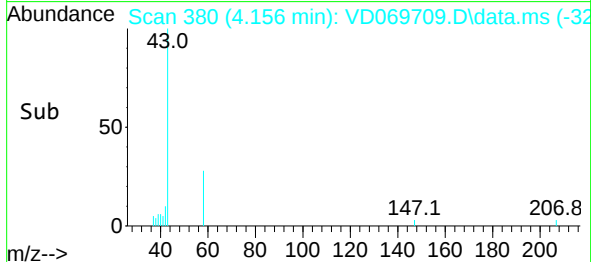
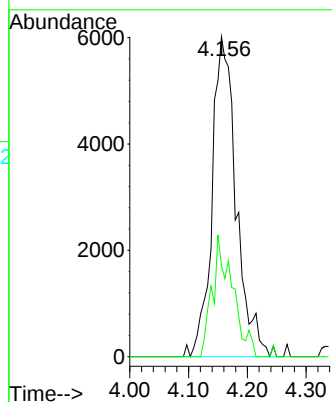
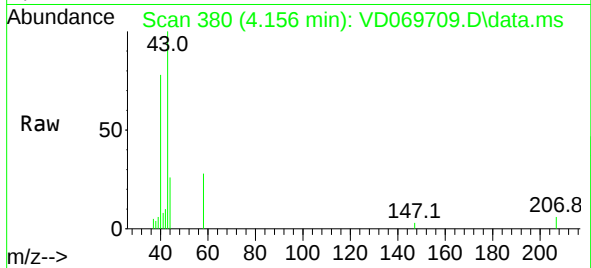




#16
Acetone
Concen: 23.694 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069709.D
Acq: 15 Jul 2021 16:07

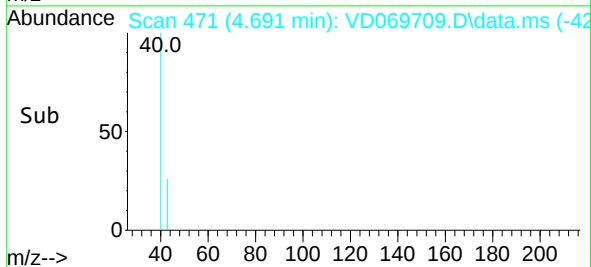
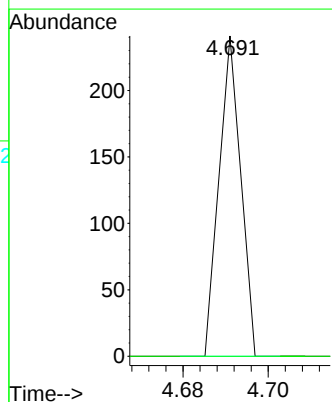
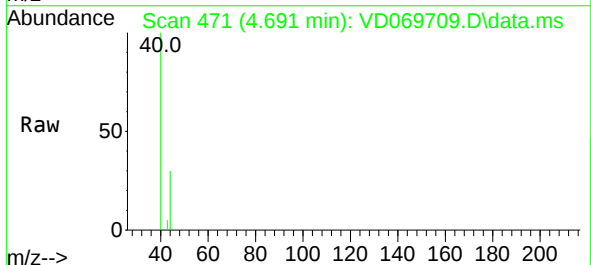
Instrument :
MSVOA_D
ClientSampled :

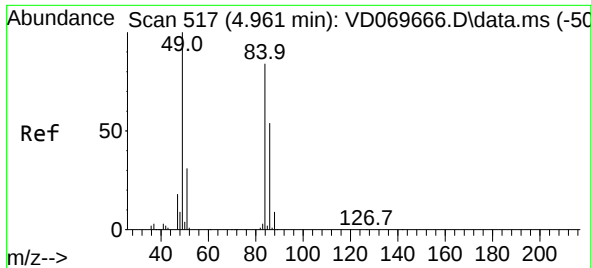
Tgt Ion: 43 Resp: 17222
Ion Ratio Lower Upper
43 100
58 28.4 28.6 42.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.691 min Scan# 471
Delta R.T. -0.023 min
Lab File: VD069709.D
Acq: 15 Jul 2021 16:07

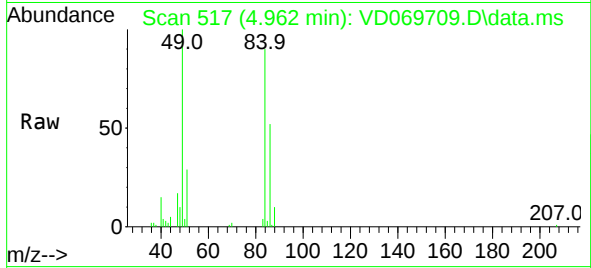
Tgt Ion: 43 Resp: 85
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



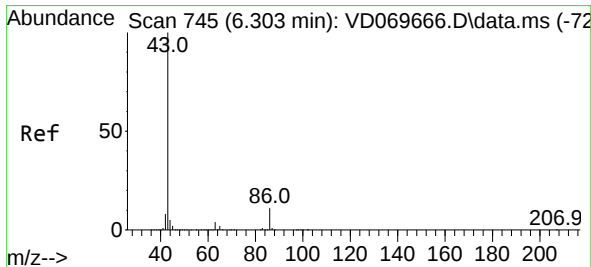
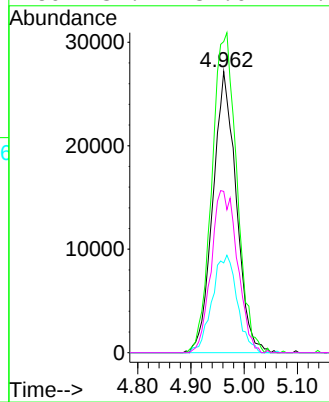
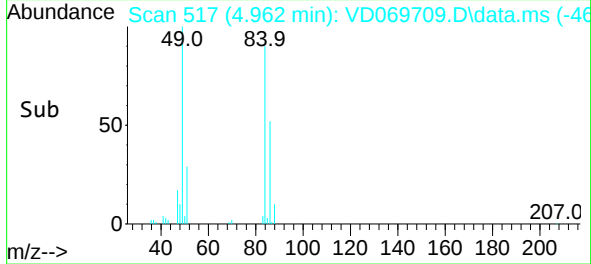


#20
Methylene Chloride
Concen: 3.866 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.001 min
Lab File: VD069709.D
Acq: 15 Jul 2021 16:07

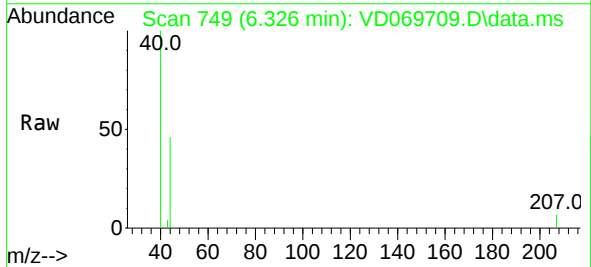
Instrument :
MSVOA_D
ClientSampled :



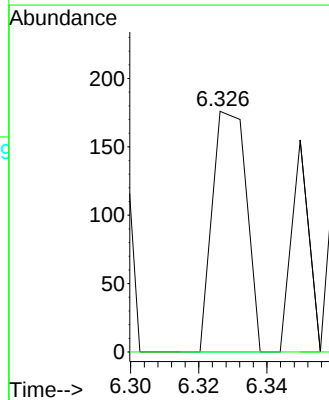
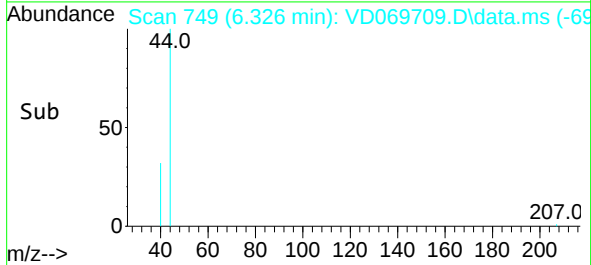
Tgt Ion: 84 Resp: 82703
Ion Ratio Lower Upper
84 100
49 110.7 95.5 143.3
51 32.0 29.7 44.5
86 57.4 51.6 77.4

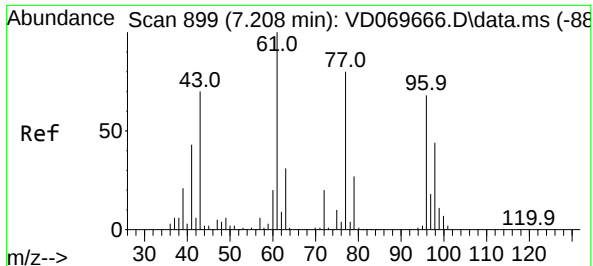


#23
Vinyl Acetate
Concen: 15.435 ug/l
RT: 6.326 min Scan# 749
Delta R.T. 0.023 min
Lab File: VD069709.D
Acq: 15 Jul 2021 16:07



Tgt Ion: 43 Resp: 122
Ion Ratio Lower Upper
43 100
86 0.0 8.6 12.8#

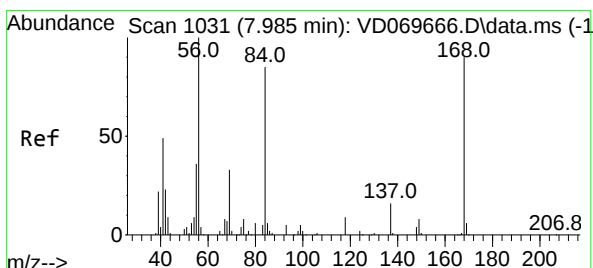
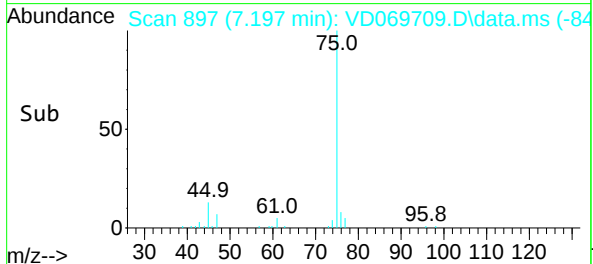
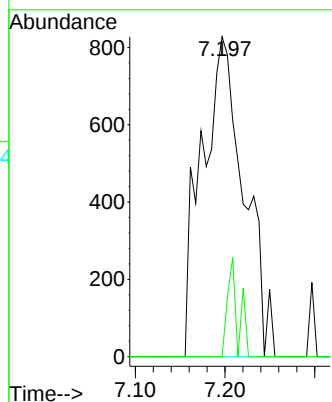
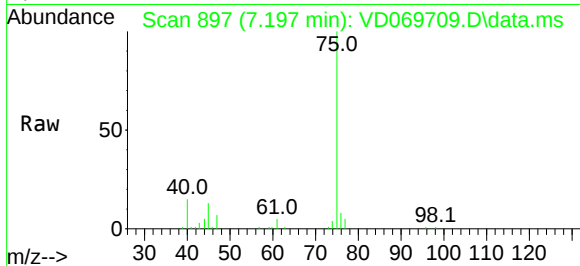




#25
2-Butanone
Concen: 1.636 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.011 min
Lab File: VD069709.D
Acq: 15 Jul 2021 16:07

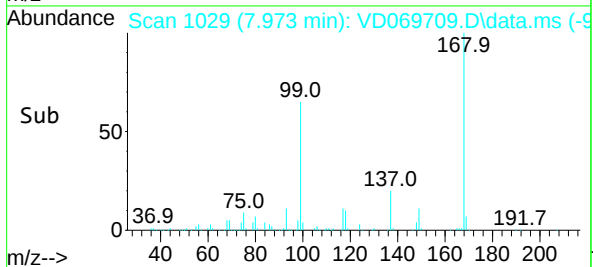
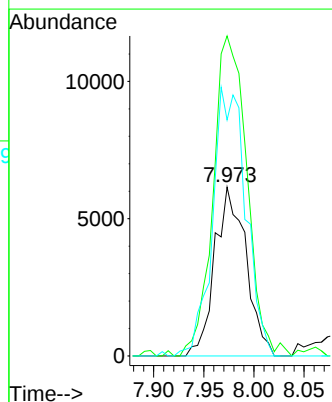
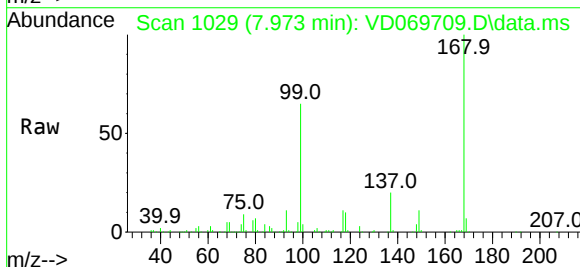
Instrument :
MSVOA_D
ClientSampled :

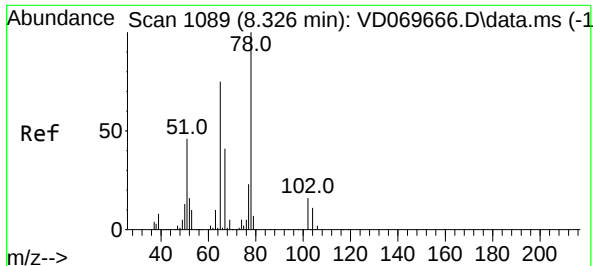
Tgt Ion: 43 Resp: 2708
Ion Ratio Lower Upper
43 100
72 0.0 22.6 33.8#



#31
Cyclohexane
Concen: 1.514 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069709.D
Acq: 15 Jul 2021 16:07

Tgt Ion: 56 Resp: 13323
Ion Ratio Lower Upper
56 100
69 189.5 26.6 39.8#
84 139.8 68.2 102.2#

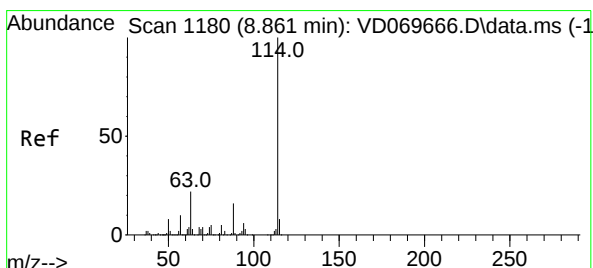
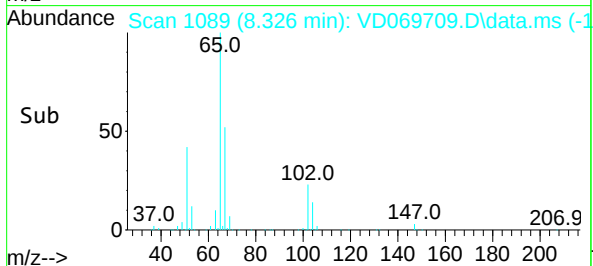
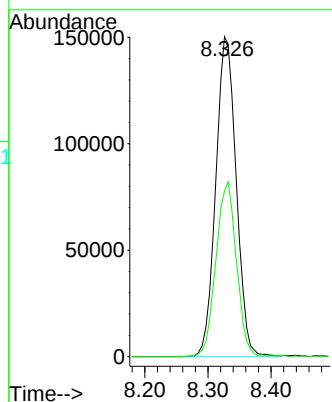
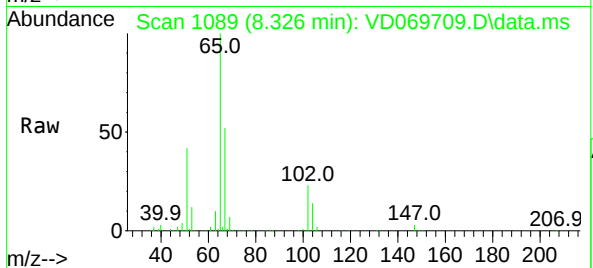




#33
1,2-Dichloroethane-d4
Concen: 48.254 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD069709.D
Acq: 15 Jul 2021 16:07

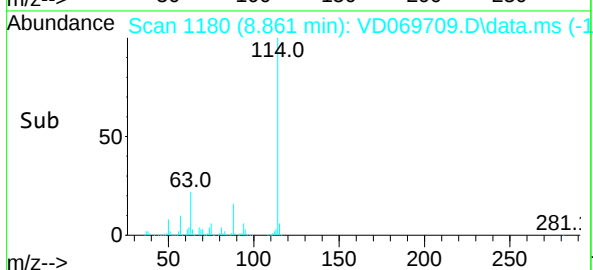
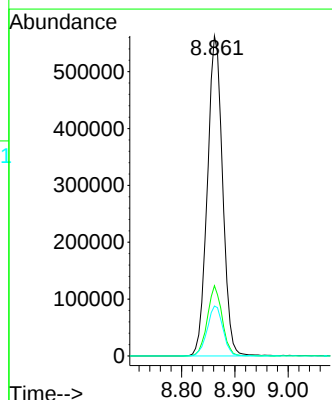
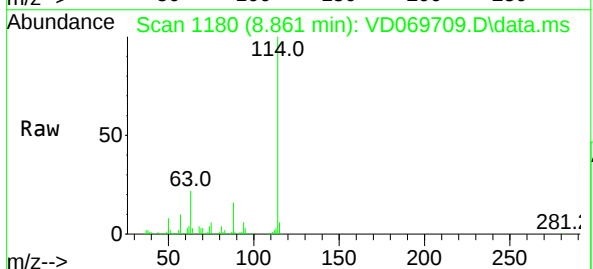
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ClientSampled :

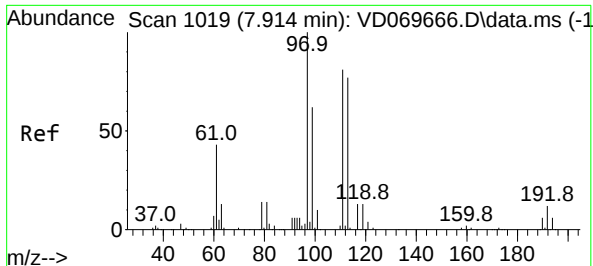
Tgt Ion: 65 Resp: 337883
Ion Ratio Lower Upper
65 100
67 55.0 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069709.D
Acq: 15 Jul 2021 16:07

Tgt Ion:114 Resp: 1119673
Ion Ratio Lower Upper
114 100
63 22.0 0.0 43.4
88 15.6 0.0 32.0





#35

Dibromofluoromethane

Concen: 47.850 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069709.D

Acq: 15 Jul 2021 16:07

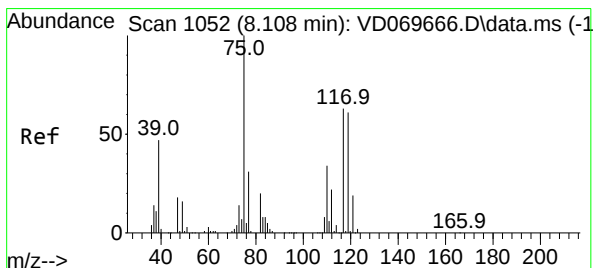
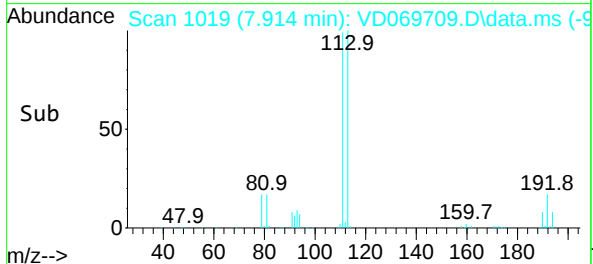
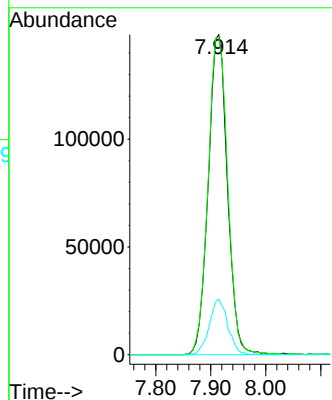
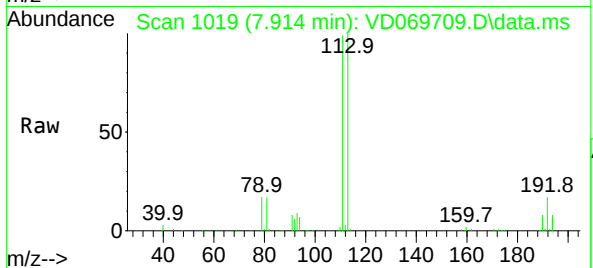
Tgt Ion:113 Resp: 359432

Ion Ratio Lower Upper

113 100

111 102.3 82.6 123.8

192 16.8 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.474 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD069709.D

Acq: 15 Jul 2021 16:07

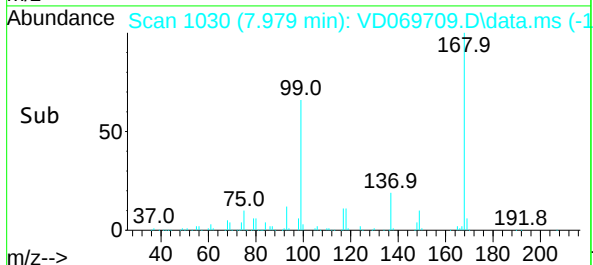
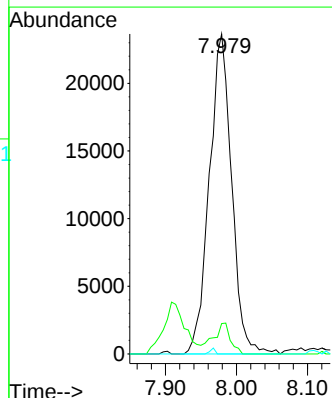
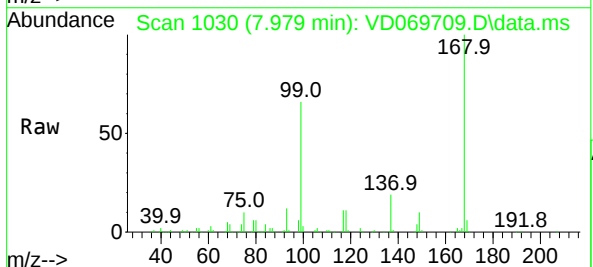
Tgt Ion: 75 Resp: 51680

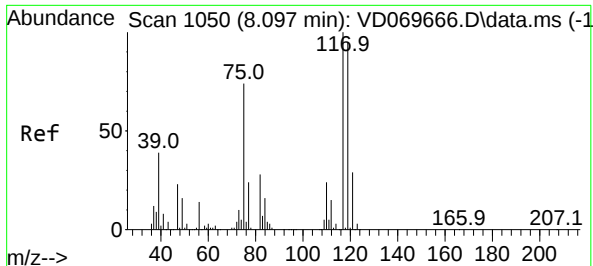
Ion Ratio Lower Upper

75 100

110 7.4 16.7 50.0#

77 0.4 25.3 37.9#

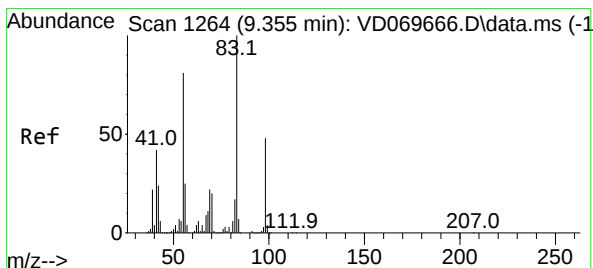
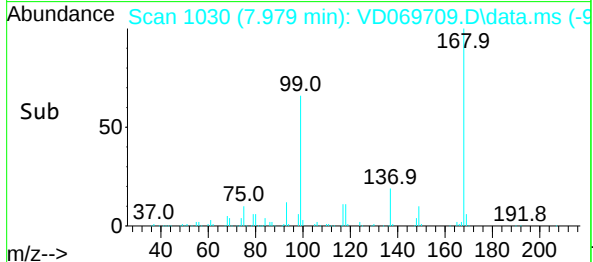
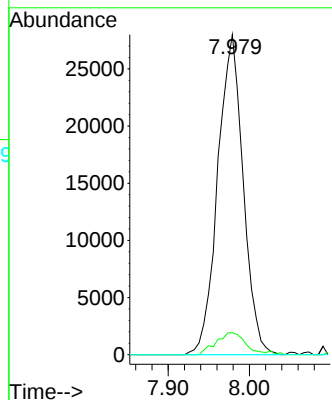
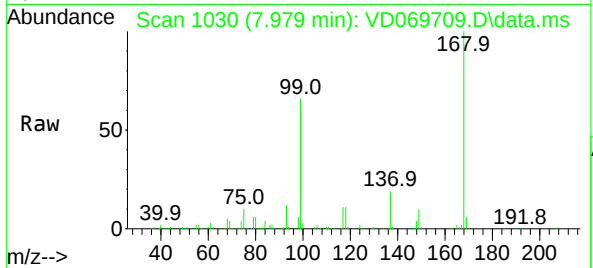




#38
Carbon Tetrachloride
Concen: 5.769 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069709.D
Acq: 15 Jul 2021 16:07

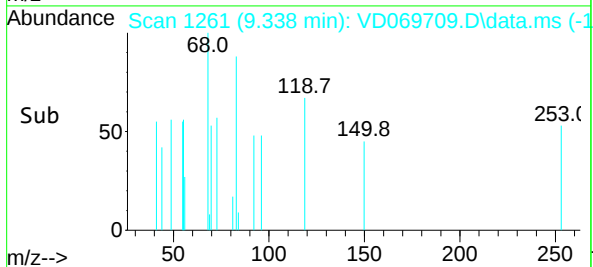
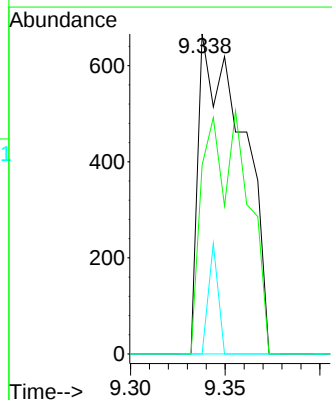
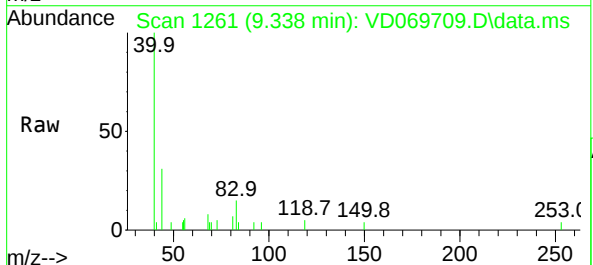
Instrument :
MSVOA_D
ClientSampled :

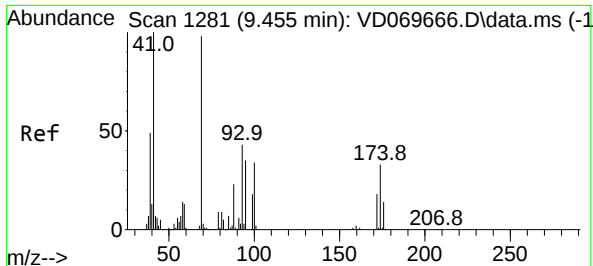
Tgt Ion:117 Resp: 61019
Ion Ratio Lower Upper
117 100
119 6.9 75.7 113.5#
121 0.0 23.0 34.6#



#39
Methylcyclohexane
Concen: 2.034 ug/l
RT: 9.338 min Scan# 1261
Delta R.T. -0.017 min
Lab File: VD069709.D
Acq: 15 Jul 2021 16:07

Tgt Ion: 83 Resp: 1089
Ion Ratio Lower Upper
83 100
55 59.0 64.6 97.0#
98 0.0 38.4 57.6#





#48

Methyl methacrylate

Concen: 1.157 ug/l

RT: 9.397 min Scan# 1271

Delta R.T. -0.058 min

Lab File: VD069709.D

Acq: 15 Jul 2021 16:07

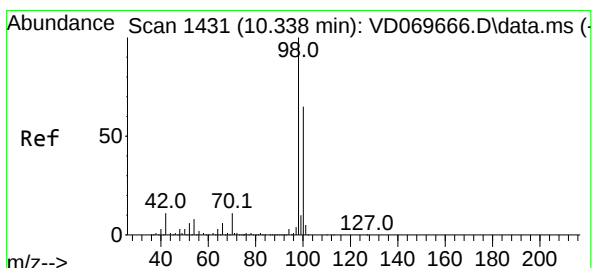
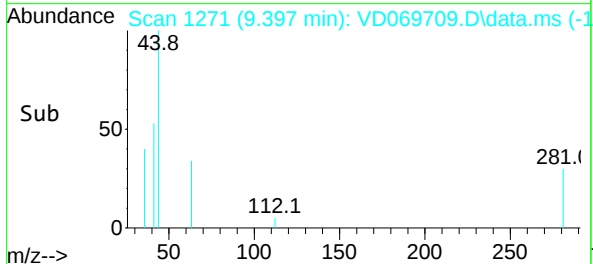
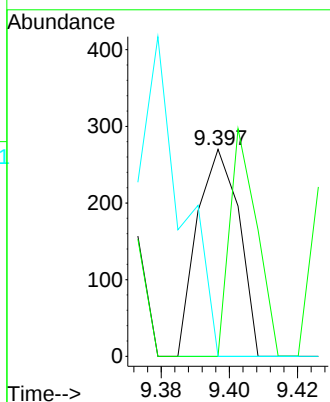
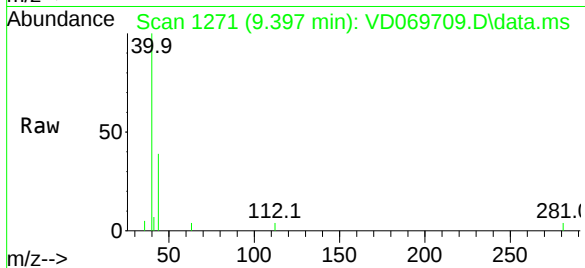
Tgt Ion: 41 Resp: 231

Ion Ratio Lower Upper

41 100

69 70.6 71.6 107.4#

39 0.0 36.7 55.1#



#50

Toluene-d8

Concen: 50.528 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD069709.D

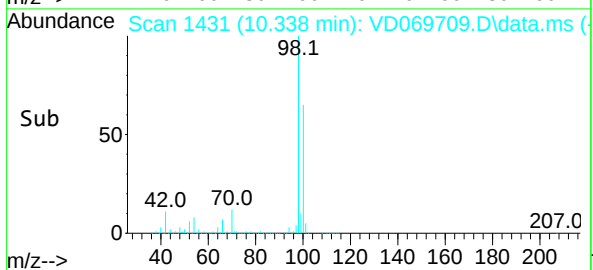
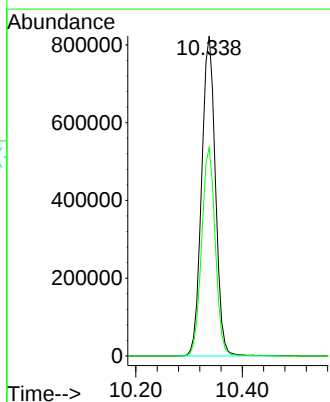
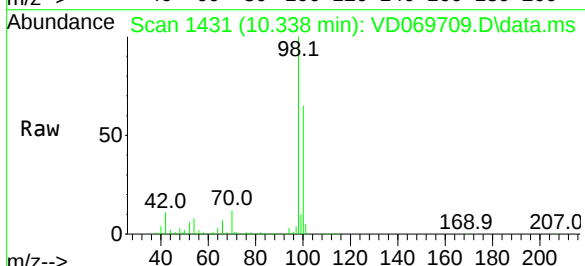
Acq: 15 Jul 2021 16:07

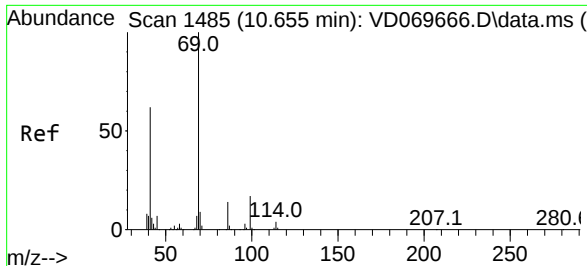
Tgt Ion: 98 Resp: 1474553

Ion Ratio Lower Upper

98 100

100 64.6 52.2 78.2

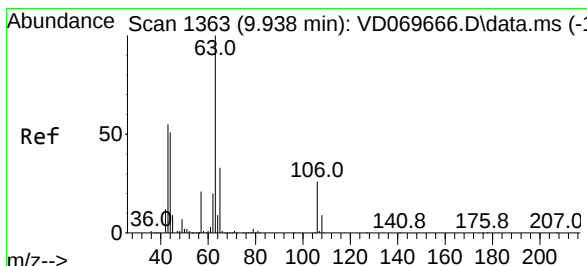
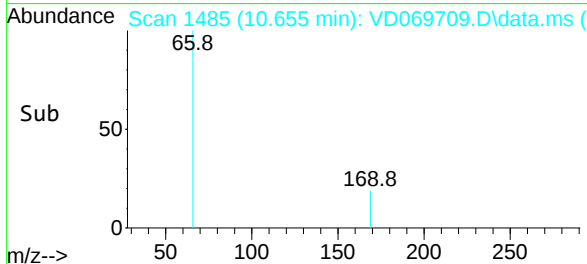
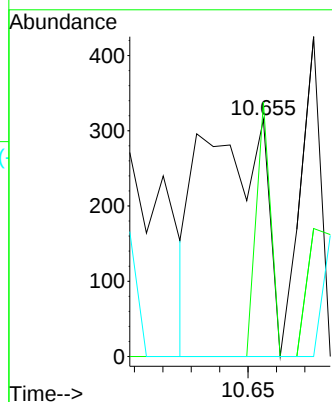
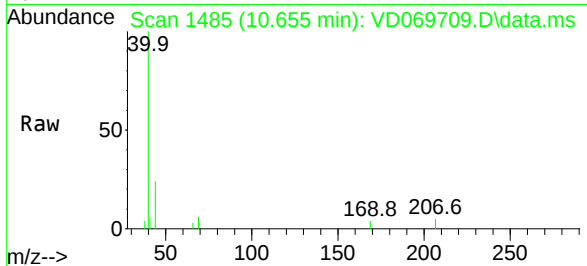




#56
Ethyl methacrylate
Concen: 1.726 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. 0.000 min
Lab File: VD069709.D
Acq: 15 Jul 2021 16:07

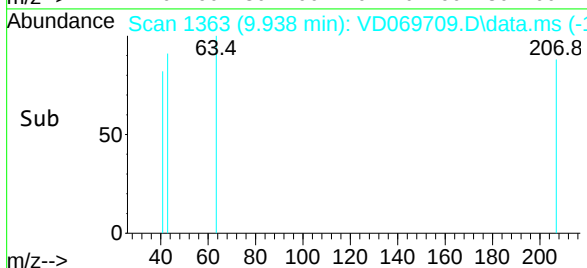
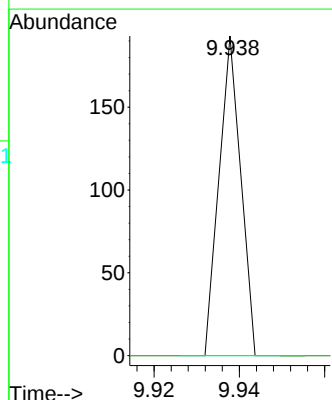
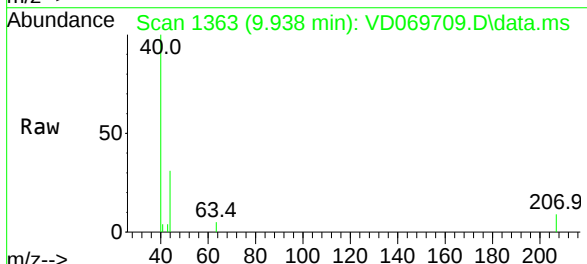
Instrument :
MSVOA_D
ClientSampled :

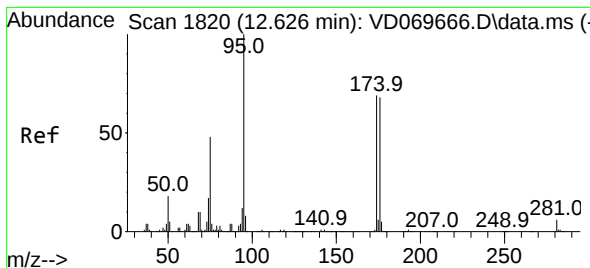
Tgt Ion: 69 Resp: 486
Ion Ratio Lower Upper
69 100
41 24.5 49.5 74.3#
39 0.0 22.5 33.7#



#58
2-Chloroethyl Vinyl ether
Concen: 9.379 ug/l
RT: 9.938 min Scan# 1363
Delta R.T. -0.000 min
Lab File: VD069709.D
Acq: 15 Jul 2021 16:07

Tgt Ion: 63 Resp: 68
Ion Ratio Lower Upper
63 100
106 0.0 21.1 31.7#

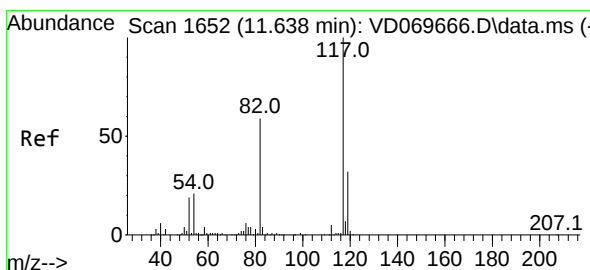
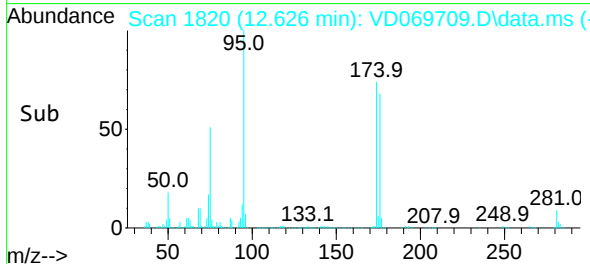
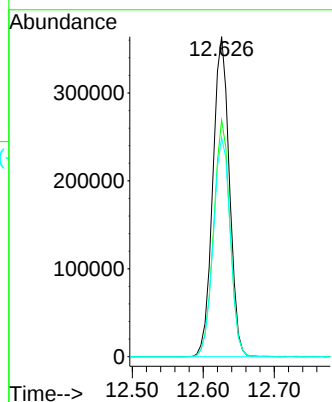
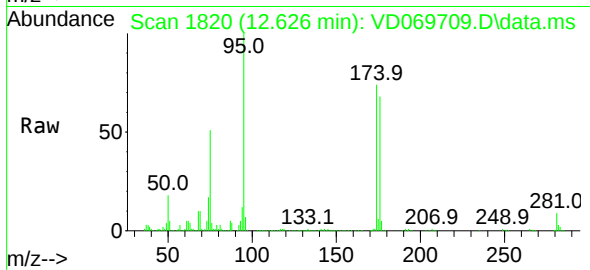




#62
4-Bromofluorobenzene
Concen: 60.396 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069709.D
Acq: 15 Jul 2021 16:07

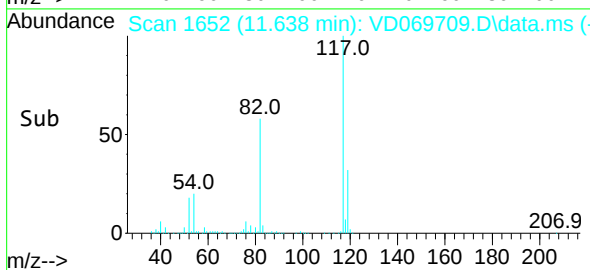
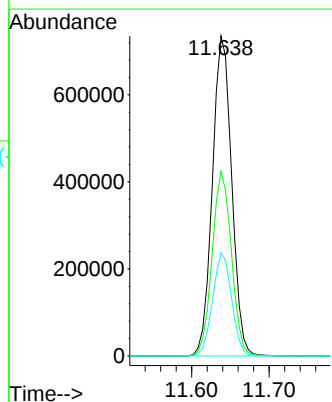
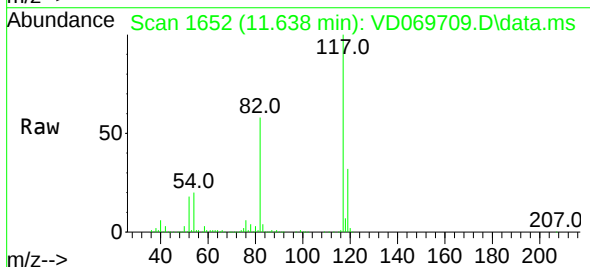
Instrument :
MSVOA_D
ClientSampleId :

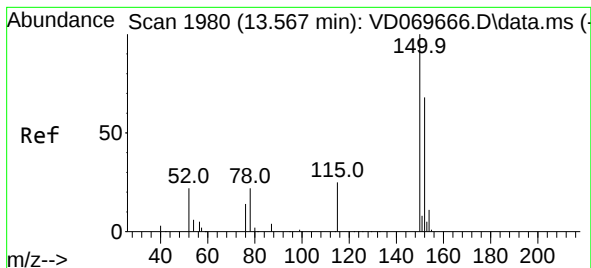
Tgt Ion: 95 Resp: 587819
Ion Ratio Lower Upper
95 100
174 73.1 0.0 140.0
176 70.2 0.0 136.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069709.D
Acq: 15 Jul 2021 16:07

Tgt Ion: 117 Resp: 1272340
Ion Ratio Lower Upper
117 100
82 57.6 47.4 71.2
119 32.2 25.5 38.3

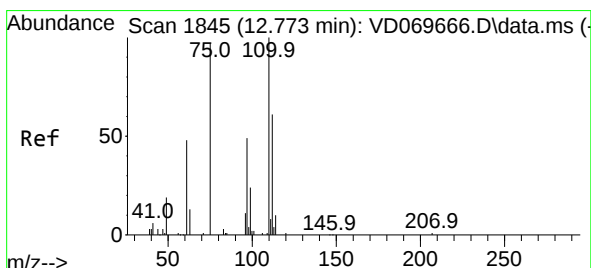
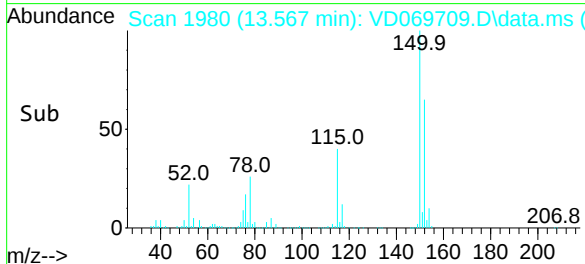
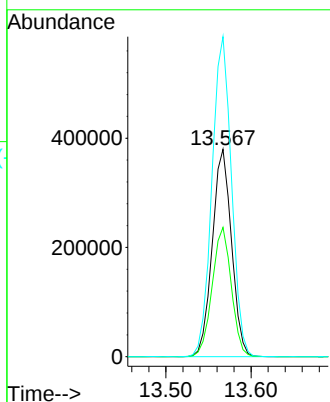
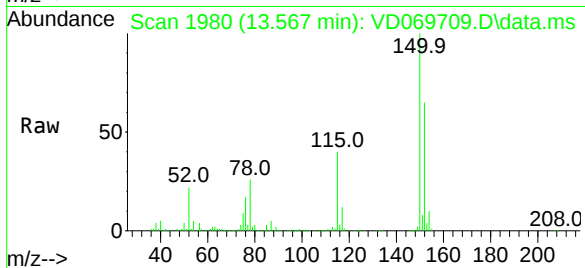




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069709.D
Acq: 15 Jul 2021 16:07

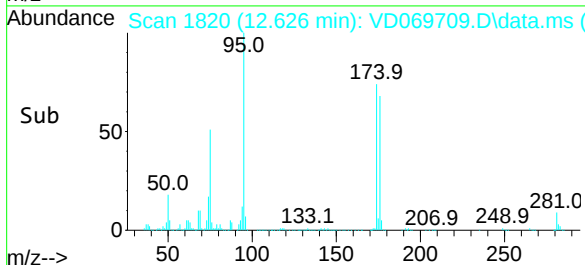
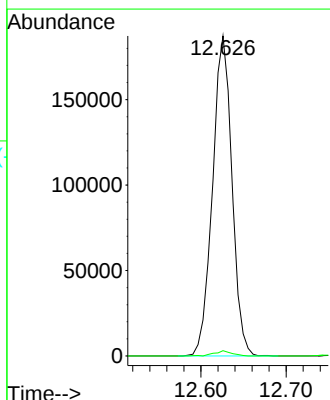
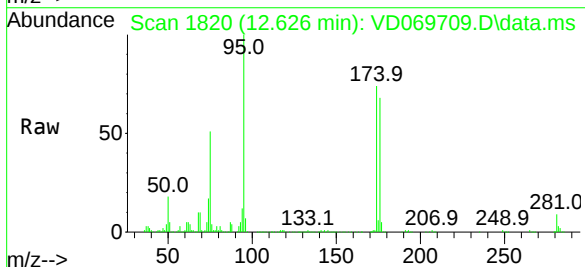
Instrument :
MSVOA_D
ClientSampleId :

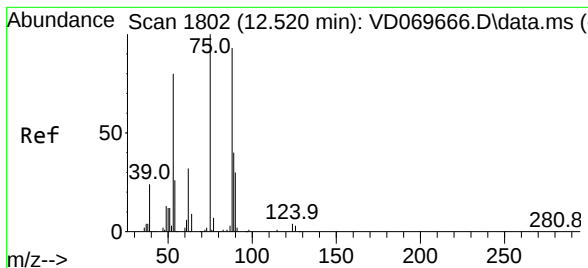
Tgt Ion:152 Resp: 596309
Ion Ratio Lower Upper
152 100
115 62.1 31.7 95.1
150 156.4 0.0 350.4



#76
1,2,3-Trichloropropane
Concen: 51.178 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069709.D
Acq: 15 Jul 2021 16:07

Tgt Ion: 75 Resp: 296472
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#

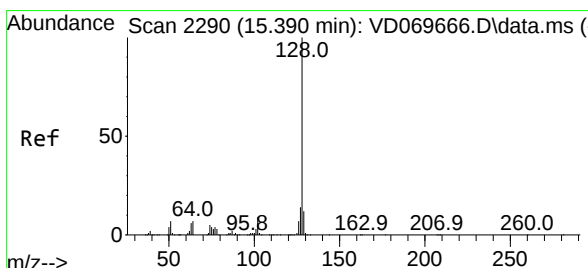
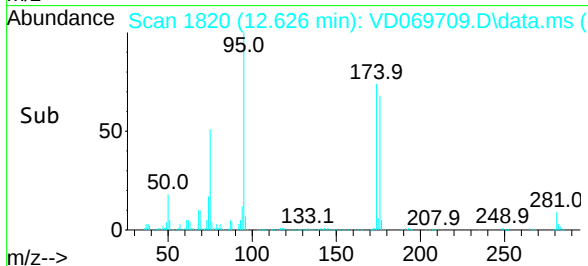
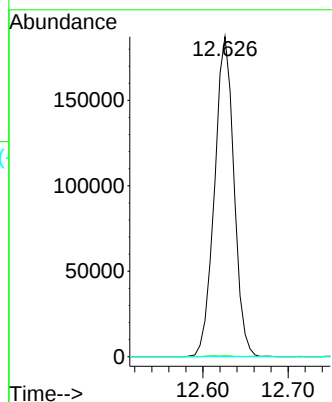
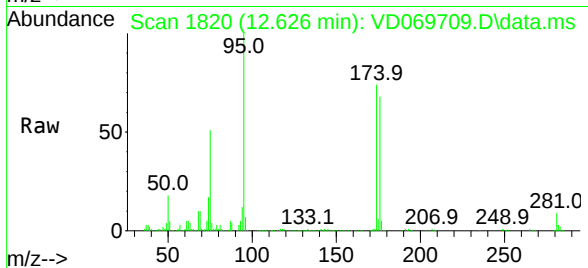




#81
trans-1,4-Dichloro-2-butene
Concen: 137.538 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069709.D
Acq: 15 Jul 2021 16:07

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 296472
Ion Ratio Lower Upper
75 100
53 0.2 70.6 106.0#
89 0.1 35.1 52.7#



#95
Naphthalene
Concen: 2.259 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.011 min
Lab File: VD069709.D
Acq: 15 Jul 2021 16:07

Tgt Ion:128 Resp: 1060
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.8 13.2#

