

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080321\
 Data File : VD069970.D
 Acq On : 03 Aug 2021 17:07
 Operator : VA/SY
 Sample : M3268-11
 Misc : 7.09G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 04 01:33:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

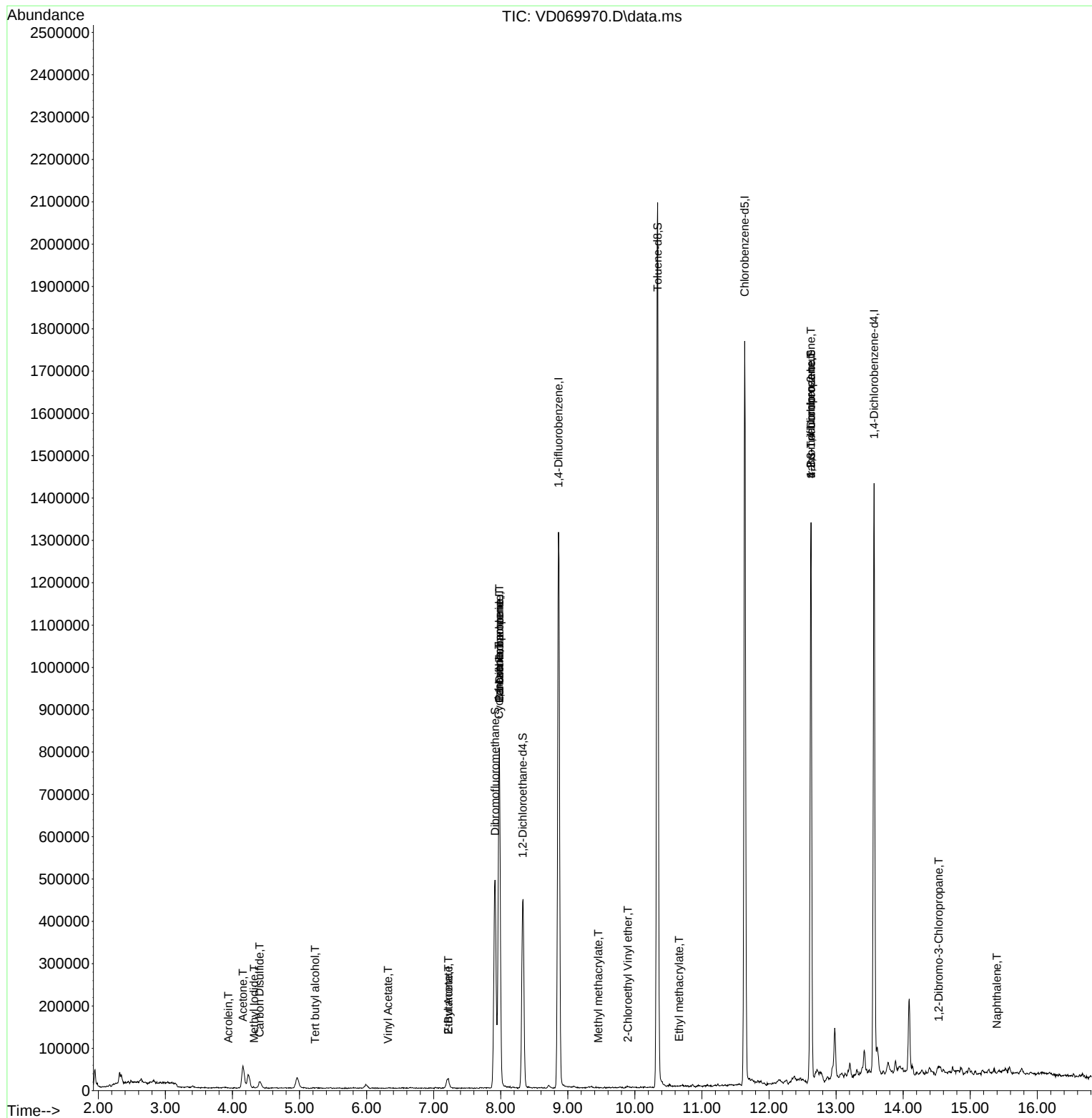
Internal Standards						
1) Pentafluorobenzene	7.979	168	568212	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1146830	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1019494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	360047	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	360657	55.189	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.380%
35) Dibromofluoromethane	7.914	113	372219	51.485	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.980%
50) Toluene-d8	10.338	98	1452080	52.089	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.180%
62) 4-Bromofluorobenzene	12.626	95	419116	44.986	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	89.980%
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	2184	Below Cal	#	50
10) Methyl Iodide	4.320	142	293	3.501	ug/l #	67
11) Tert butyl alcohol	5.232	59	619	1.831	ug/l	97
13) Acrolein	3.938	56	728	1.538	ug/l	87
16) Acetone	4.156	43	89621	75.917	ug/l	97
17) Carbon Disulfide	4.403	76	32196	1.385	ug/l #	94
20) Methylene Chloride	4.967	84	20060	Below Cal		95
23) Vinyl Acetate	6.320	43	209	20.366	ug/l #	71
25) 2-Butanone	7.220	43	30811	19.246	ug/l	98
31) Cyclohexane	7.973	56	13022	1.020	ug/l #	7
36) 1,1-Dichloropropene	7.979	75	52652	4.254	ug/l #	49
37) Ethyl Acetate	7.220	43	30811	6.839	ug/l #	69
38) Carbon Tetrachloride	7.979	117	61402	5.431	ug/l #	16
48) Methyl methacrylate	9.455	41	450	2.846	ug/l #	21
56) Ethyl methacrylate	10.661	69	1306	4.045	ug/l #	70
58) 2-Chloroethyl Vinyl ether	9.897	63	55	20.884	ug/l #	48
76) 1,2,3-Trichloropropane	12.626	75	208948	54.598	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	208948	165.636	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.532	75	2228	2.995	ug/l #	11
95) Naphthalene	15.396	128	1602	5.121	ug/l #	86

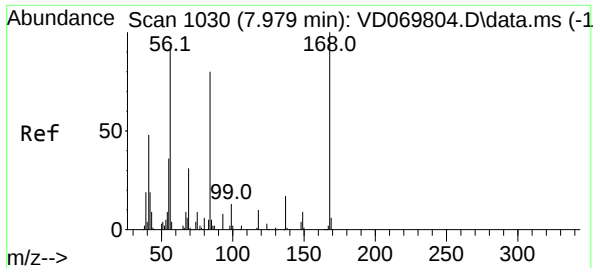
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

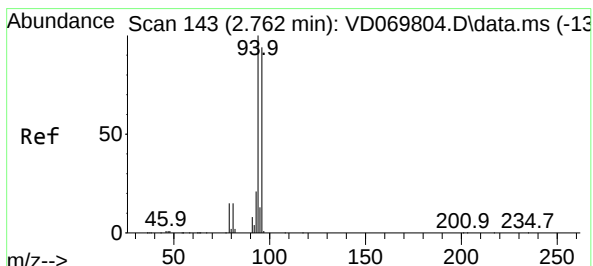
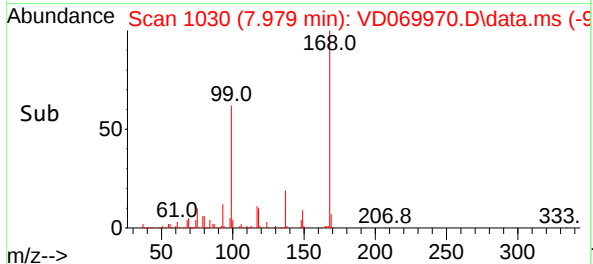
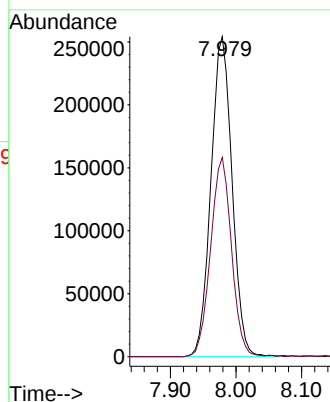
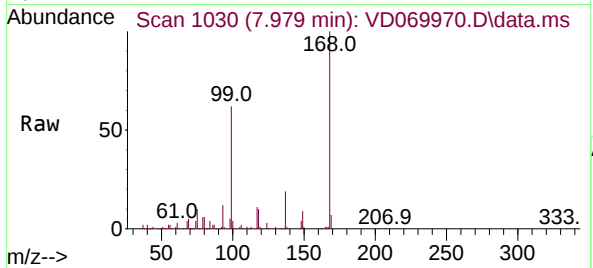




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069970.D
Acq: 03 Aug 2021 17:07

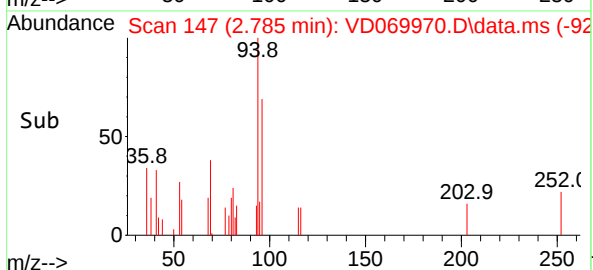
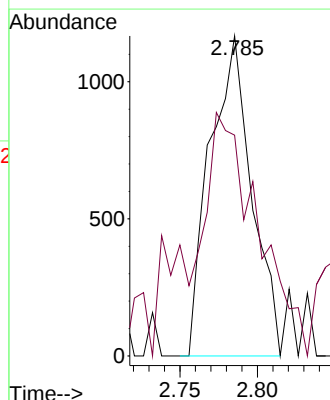
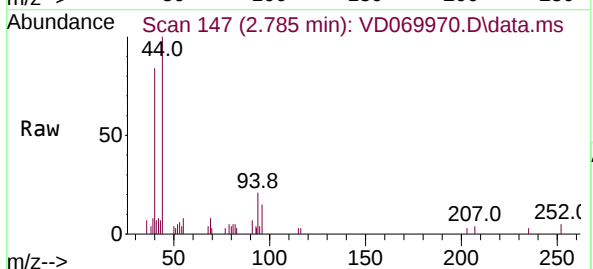
Instrument :
MSVOA_D
ClientSampleId :

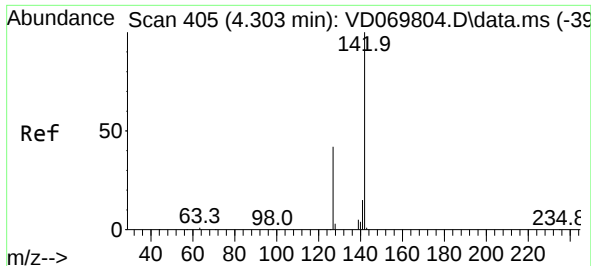
Tgt Ion:168 Resp: 568212
Ion Ratio Lower Upper
168 100
99 62.3 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD069970.D
Acq: 03 Aug 2021 17:07

Tgt Ion: 94 Resp: 2184
Ion Ratio Lower Upper
94 100
96 45.6 74.8 112.2#

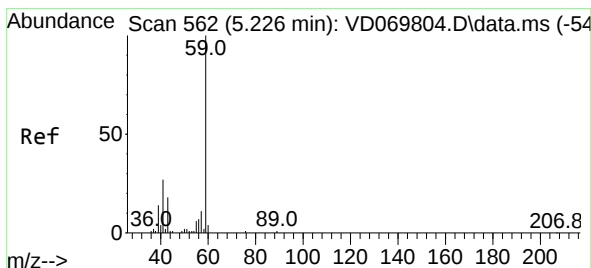
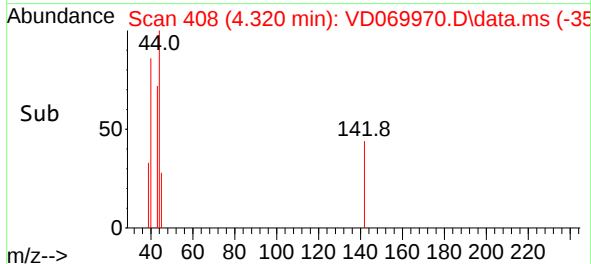
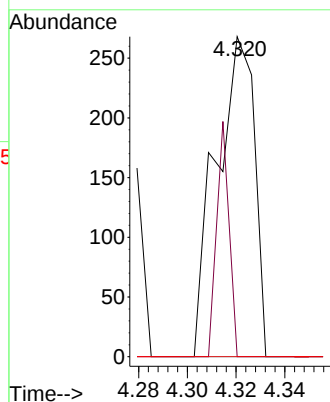
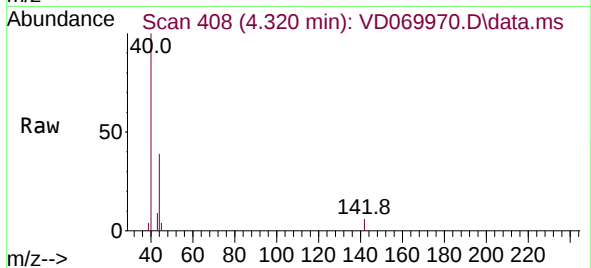




#10
Methyl Iodide
Concen: 3.501 ug/l
RT: 4.320 min Scan# 408
Delta R.T. 0.017 min
Lab File: VD069970.D
Acq: 03 Aug 2021 17:07

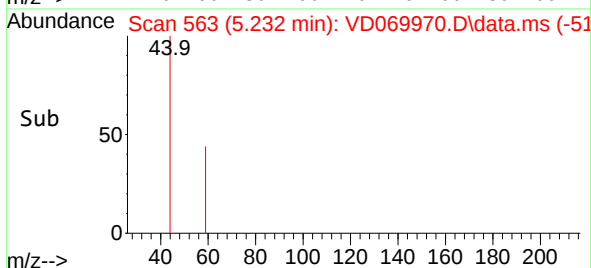
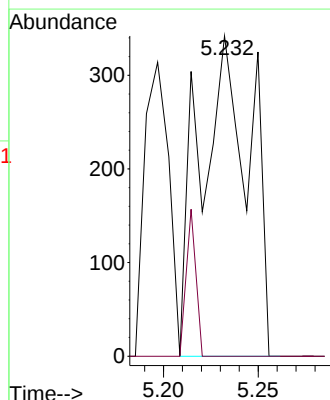
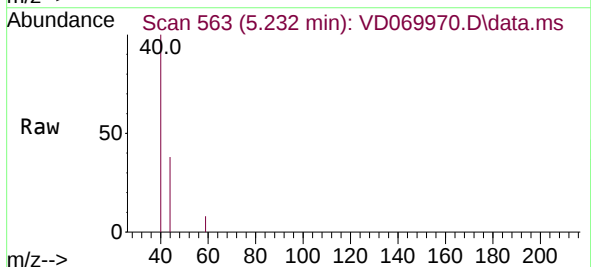
Instrument :
MSVOA_D
ClientSampled :

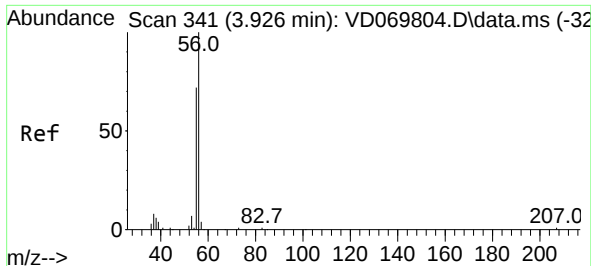
Tgt Ion:142 Resp: 293
Ion Ratio Lower Upper
142 100
127 23.9 35.7 53.5#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 1.831 ug/l
RT: 5.232 min Scan# 563
Delta R.T. 0.006 min
Lab File: VD069970.D
Acq: 03 Aug 2021 17:07

Tgt Ion: 59 Resp: 619
Ion Ratio Lower Upper
59 100
57 8.9 8.1 12.1

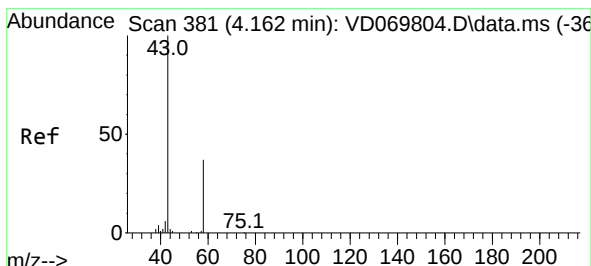
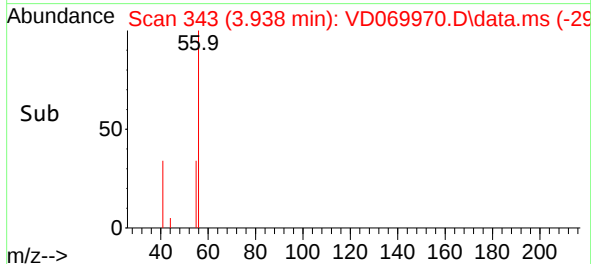
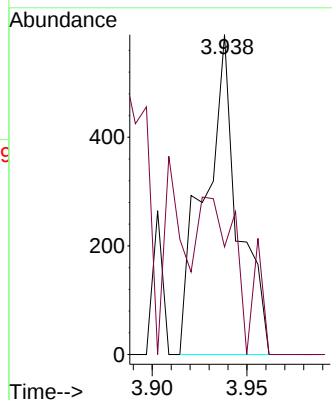
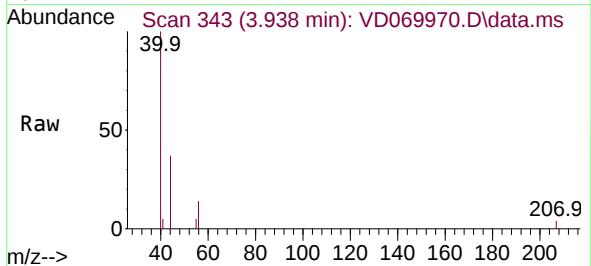




#13
Acrolein
Concen: 1.538 ug/l
RT: 3.938 min Scan# 343
Delta R.T. 0.012 min
Lab File: VD069970.D
Acq: 03 Aug 2021 17:07

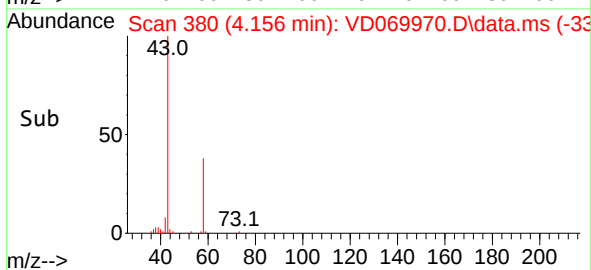
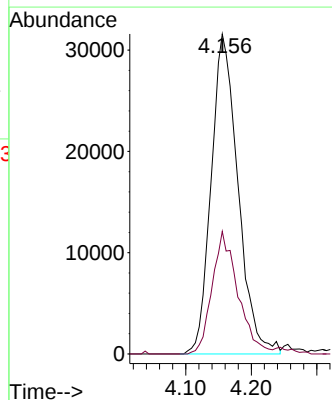
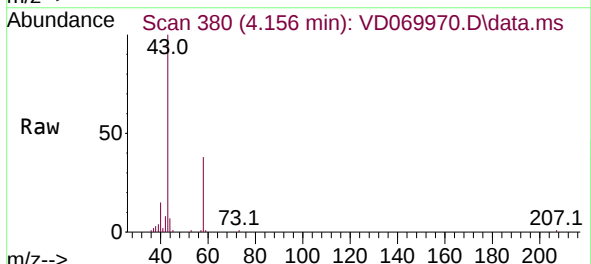
Instrument :
MSVOA_D
ClientSampled :

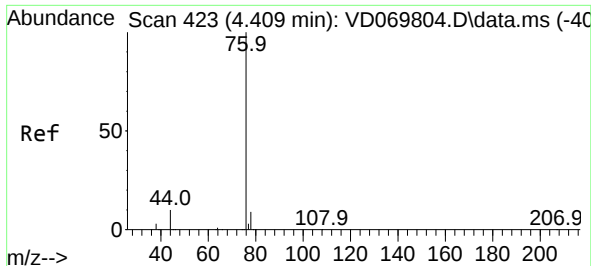
Tgt Ion: 56 Resp: 728
Ion Ratio Lower Upper
56 100
55 60.7 57.2 85.8



#16
Acetone
Concen: 75.917 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069970.D
Acq: 03 Aug 2021 17:07

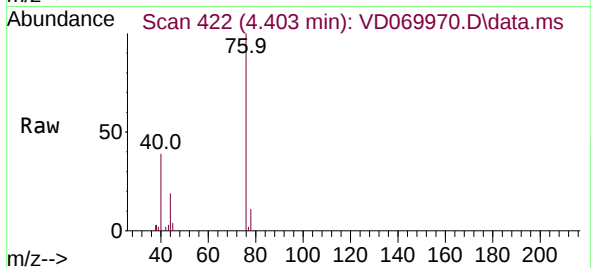
Tgt Ion: 43 Resp: 89621
Ion Ratio Lower Upper
43 100
58 38.3 29.4 44.0



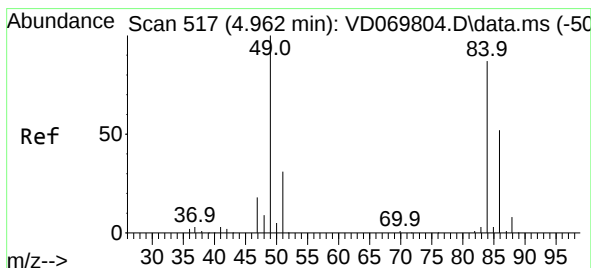
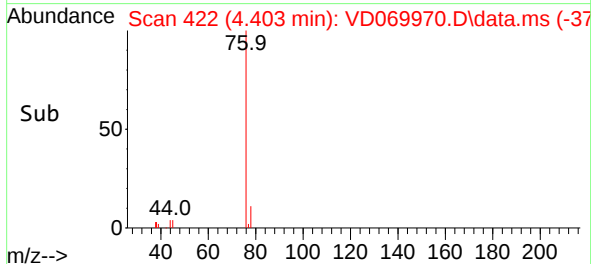
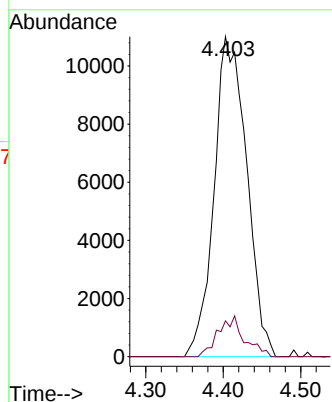


#17
Carbon Disulfide
Concen: 1.385 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD069970.D
Acq: 03 Aug 2021 17:07

Instrument :
MSVOA_D
ClientSampled :

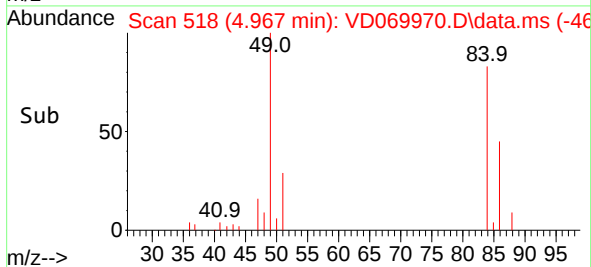
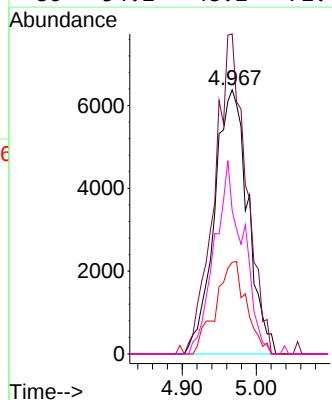
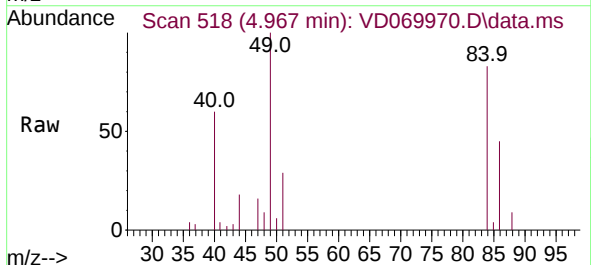


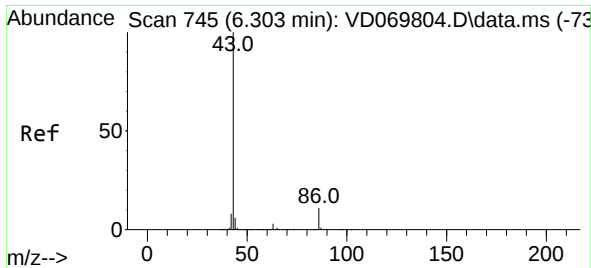
Tgt Ion: 76 Resp: 32196
Ion Ratio Lower Upper
76 100
78 11.2 7.3 10.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD069970.D
Acq: 03 Aug 2021 17:07

Tgt Ion: 84 Resp: 20060
Ion Ratio Lower Upper
84 100
49 121.2 92.4 138.6
51 34.7 28.5 42.7
86 54.2 48.2 72.4

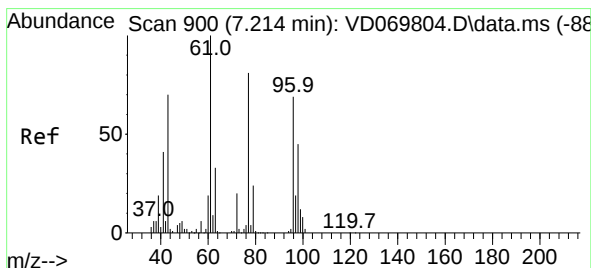
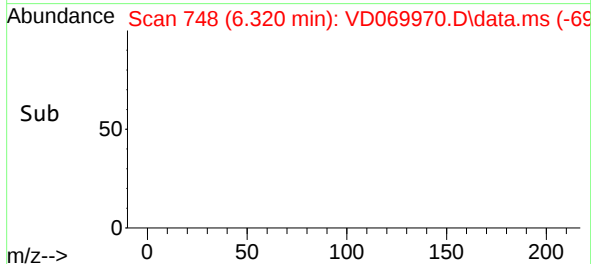
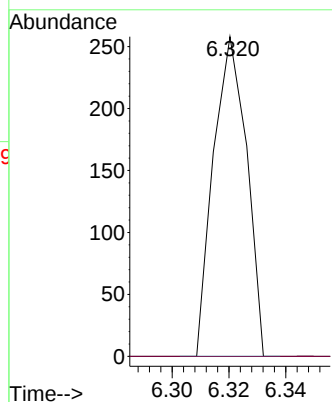
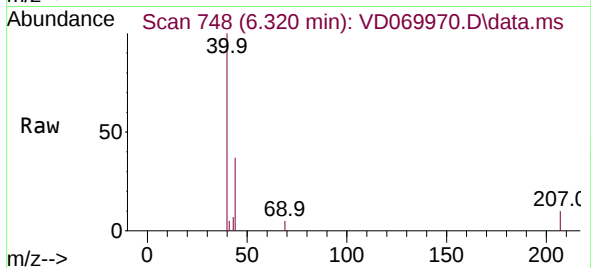




#23
 Vinyl Acetate
 Concen: 20.366 ug/l
 RT: 6.320 min Scan# 748
 Delta R.T. 0.017 min
 Lab File: VD069970.D
 Acq: 03 Aug 2021 17:07

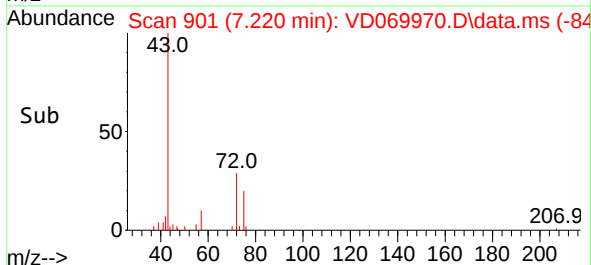
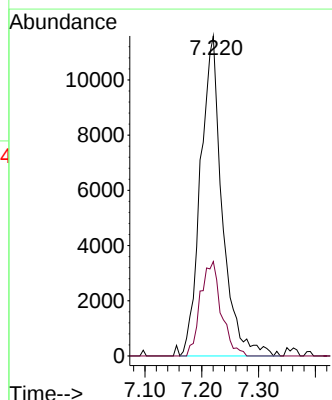
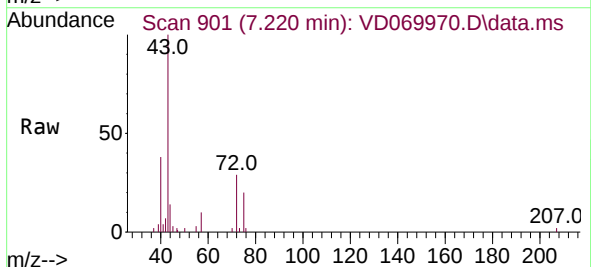
Instrument :
 MSVOA_D
 ClientSampled :

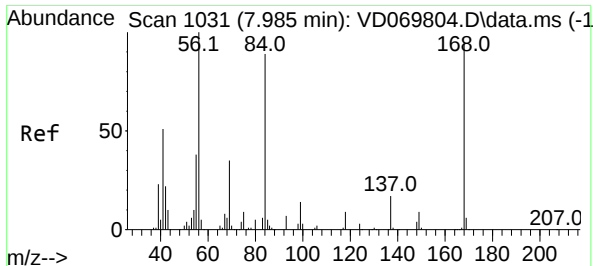
Tgt Ion: 43 Resp: 209
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#25
 2-Butanone
 Concen: 19.246 ug/l
 RT: 7.220 min Scan# 901
 Delta R.T. 0.006 min
 Lab File: VD069970.D
 Acq: 03 Aug 2021 17:07

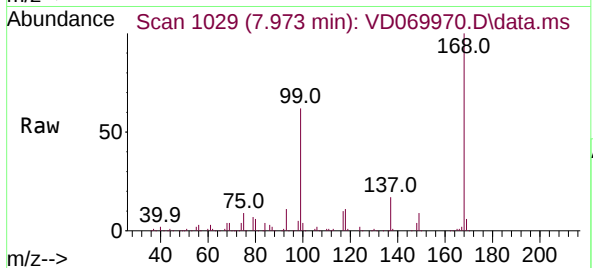
Tgt Ion: 43 Resp: 30811
 Ion Ratio Lower Upper
 43 100
 72 29.5 22.8 34.2



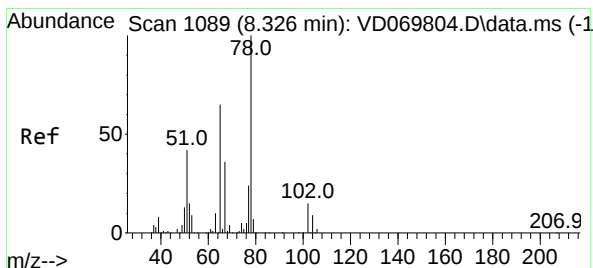
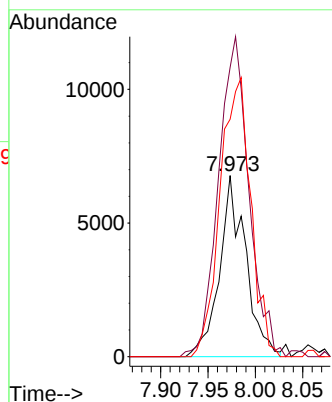
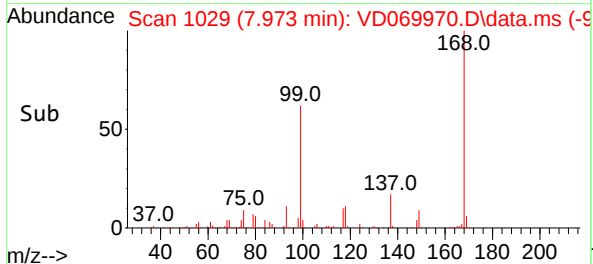


#31
Cyclohexane
Concen: 1.020 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069970.D
Acq: 03 Aug 2021 17:07

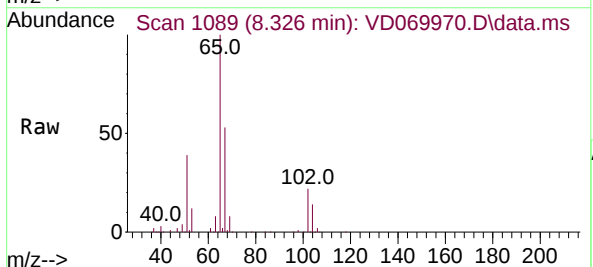
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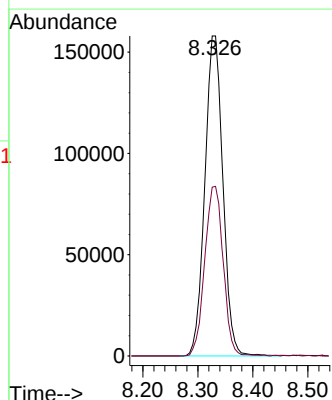
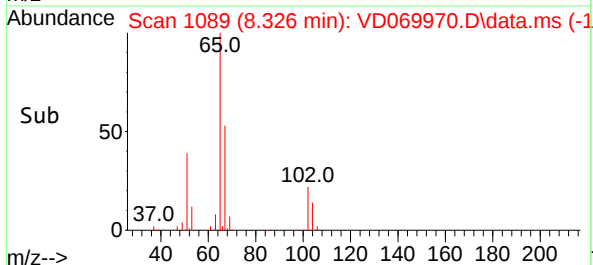
Tgt Ion: 56 Resp: 13022
Ion Ratio Lower Upper
56 100
69 159.7 27.9 41.9#
84 131.1 71.4 107.2#

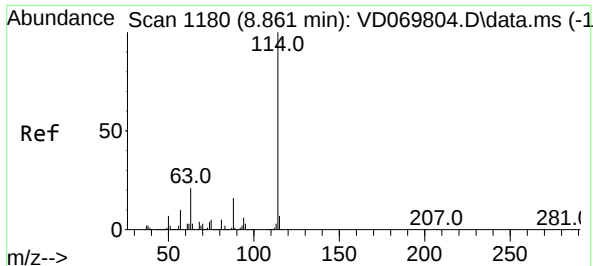


#33
1,2-Dichloroethane-d4
Concen: 55.189 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069970.D
Acq: 03 Aug 2021 17:07



Tgt Ion: 65 Resp: 360657
Ion Ratio Lower Upper
65 100
67 54.2 0.0 111.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD069970.D

Acq: 03 Aug 2021 17:07

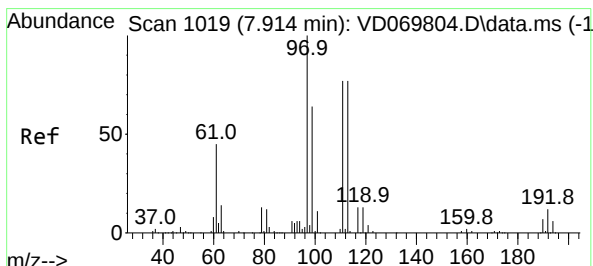
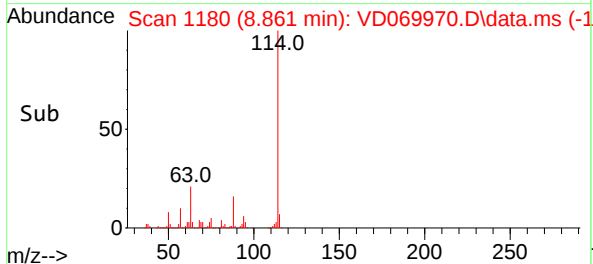
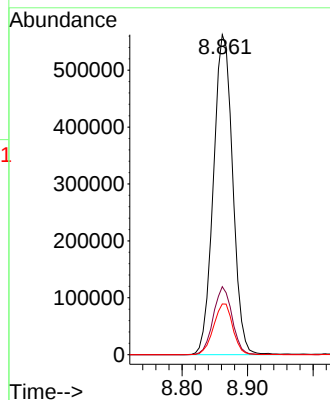
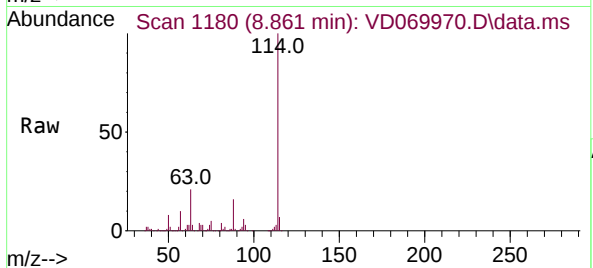
Tgt Ion:114 Resp: 1146830

Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.6

88 15.9 0.0 31.4



#35

Dibromofluoromethane

Concen: 51.485 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069970.D

Acq: 03 Aug 2021 17:07

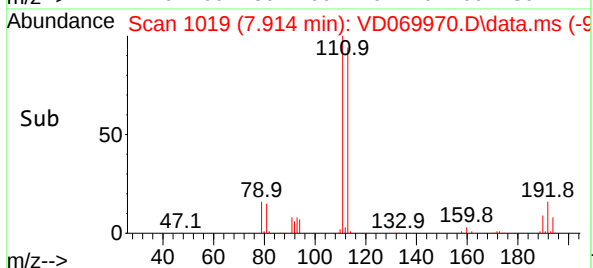
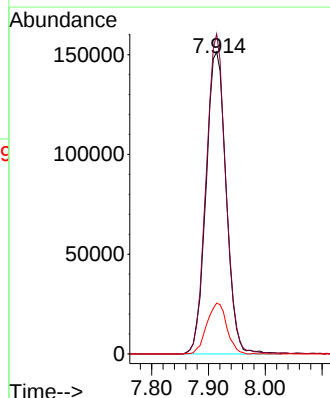
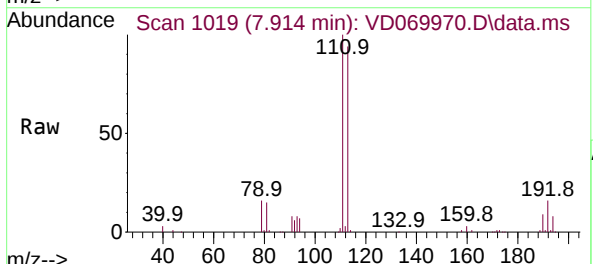
Tgt Ion:113 Resp: 372219

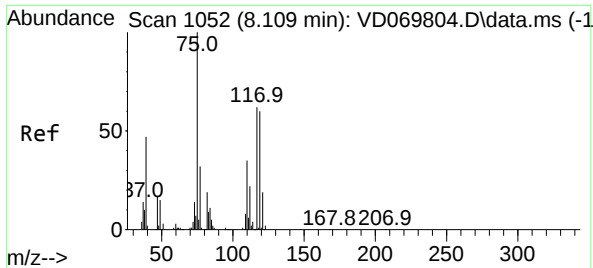
Ion Ratio Lower Upper

113 100

111 103.1 80.5 120.7

192 16.7 12.6 19.0

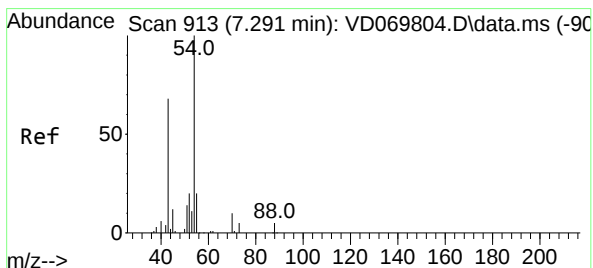
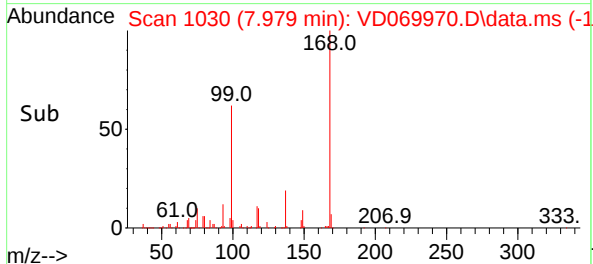
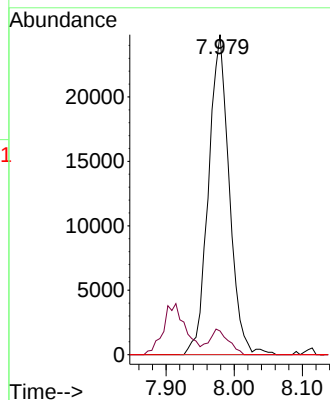
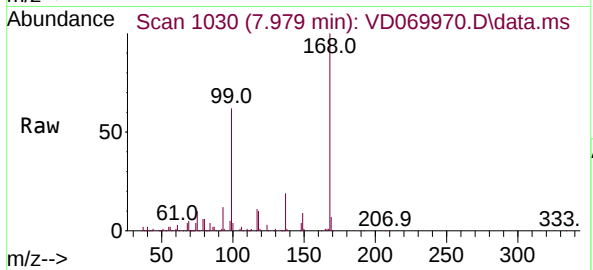




#36
1,1-Dichloropropene
Concen: 4.254 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069970.D
Acq: 03 Aug 2021 17:07

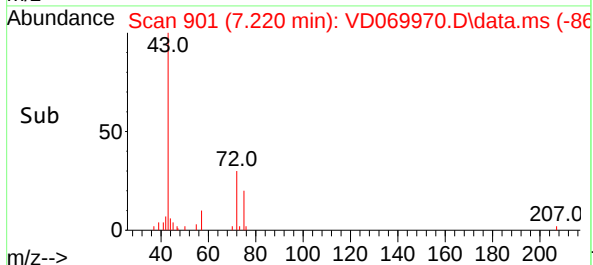
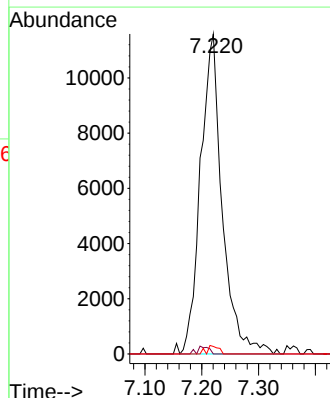
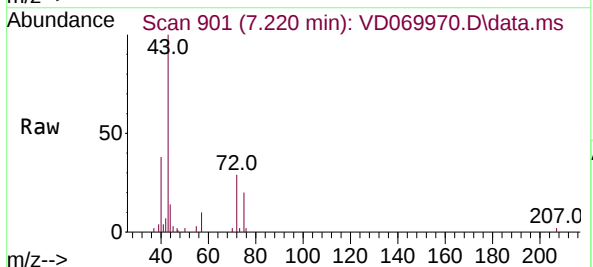
Instrument :
MSVOA_D
ClientSampleId :

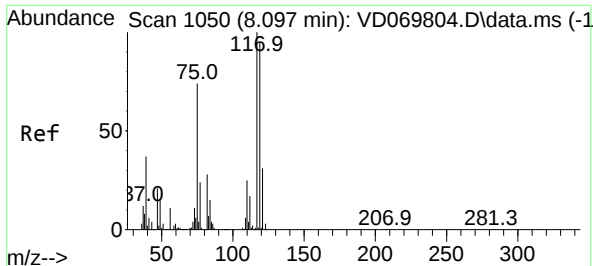
Tgt Ion: 75 Resp: 52652
Ion Ratio Lower Upper
75 100
110 7.5 16.9 50.7#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 6.839 ug/l
RT: 7.220 min Scan# 901
Delta R.T. -0.071 min
Lab File: VD069970.D
Acq: 03 Aug 2021 17:07

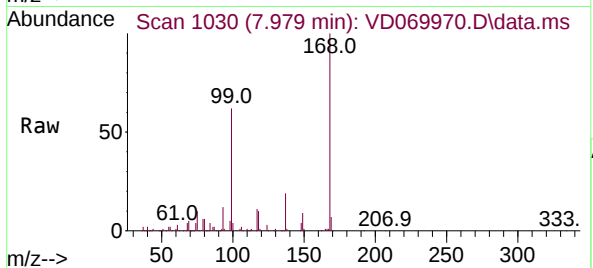
Tgt Ion: 43 Resp: 30811
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.8#
70 1.4 8.9 13.3#



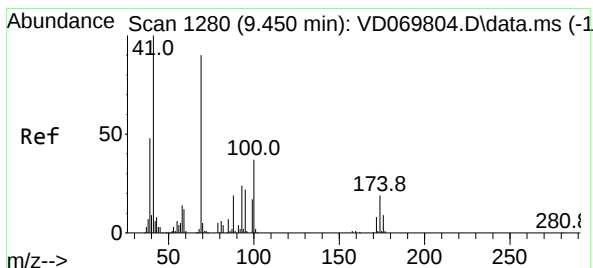
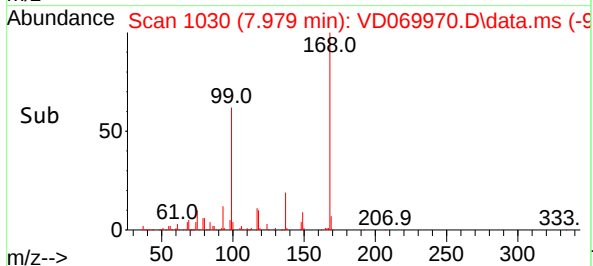
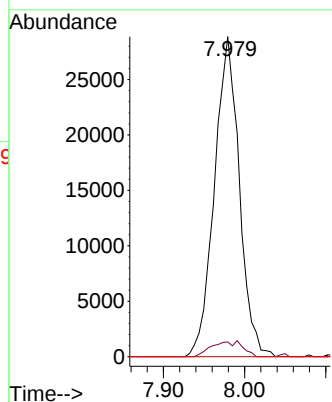


#38
Carbon Tetrachloride
Concen: 5.431 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069970.D
Acq: 03 Aug 2021 17:07

Instrument :
MSVOA_D
ClientSampled :

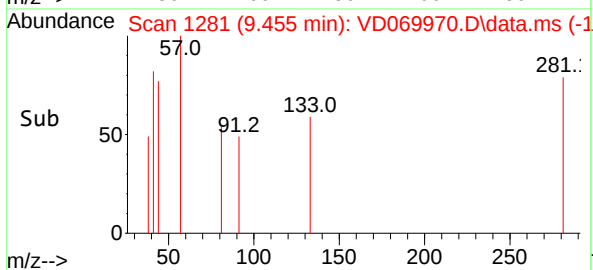
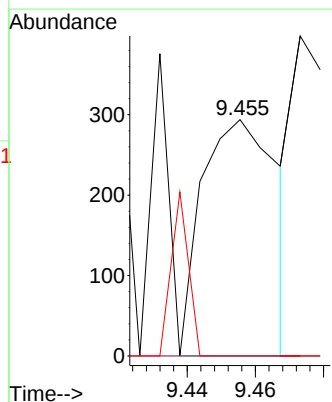
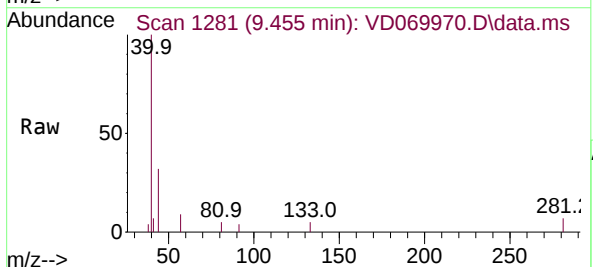


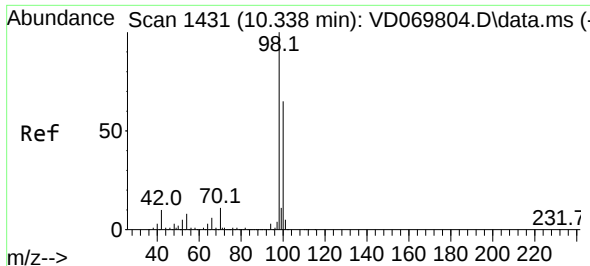
Tgt Ion:117 Resp: 61402
Ion Ratio Lower Upper
117 100
119 4.6 76.2 114.2#
121 0.0 24.5 36.7#



#48
Methyl methacrylate
Concen: 2.846 ug/l
RT: 9.455 min Scan# 1281
Delta R.T. 0.005 min
Lab File: VD069970.D
Acq: 03 Aug 2021 17:07

Tgt Ion: 41 Resp: 450
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 16.0 36.6 55.0#

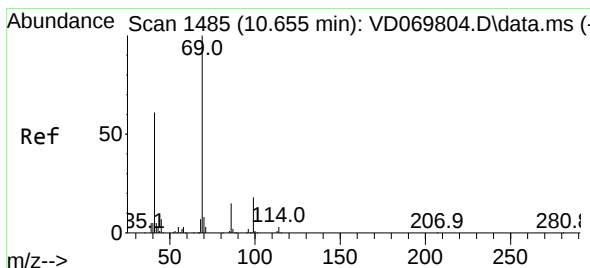
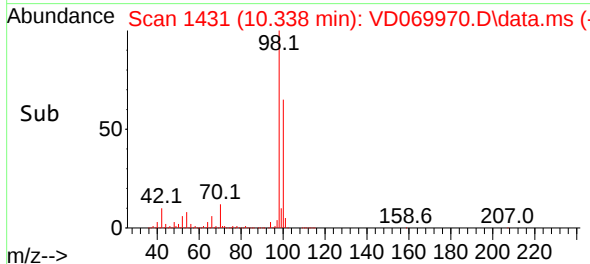
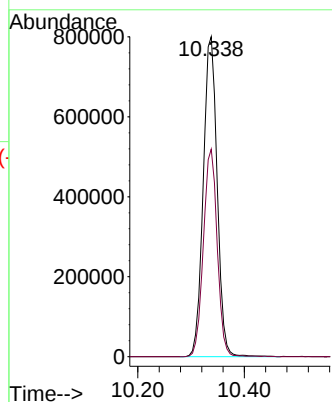
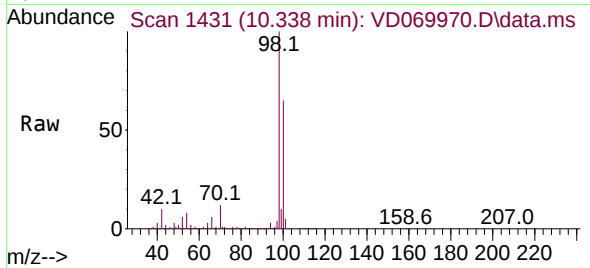




#50
Toluene-d8
Concen: 52.089 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069970.D
Acq: 03 Aug 2021 17:07

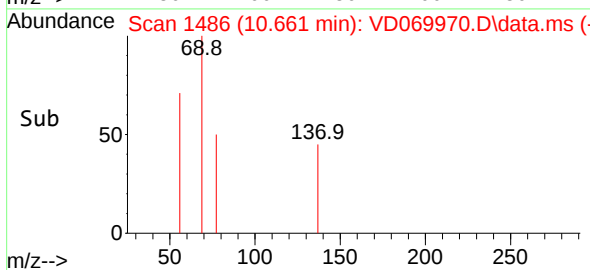
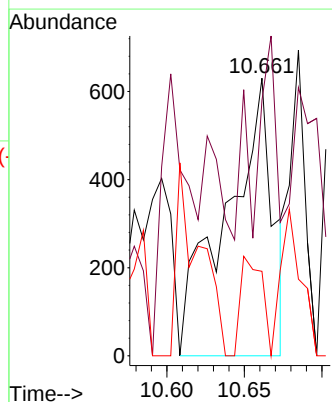
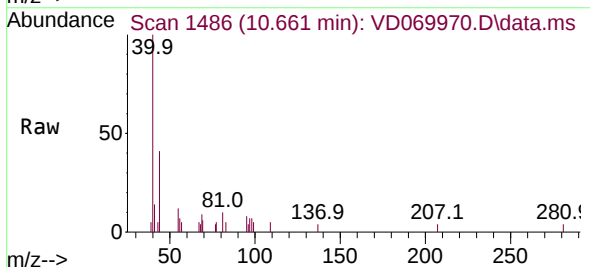
Instrument :
MSVOA_D
ClientSampleId :

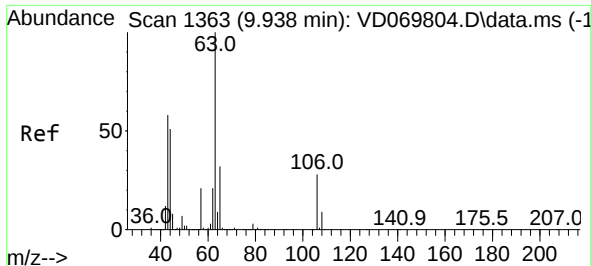
Tgt Ion: 98 Resp: 1452080
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9



#56
Ethyl methacrylate
Concen: 4.045 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD069970.D
Acq: 03 Aug 2021 17:07

Tgt Ion: 69 Resp: 1306
Ion Ratio Lower Upper
69 100
41 36.2 50.2 75.2#
39 16.6 22.0 33.0#

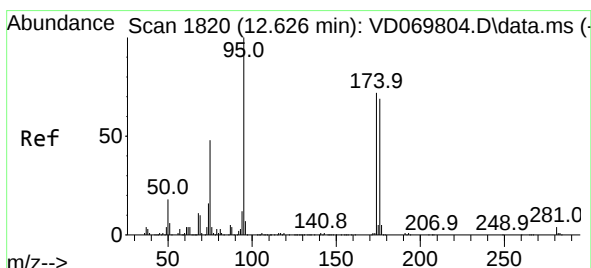
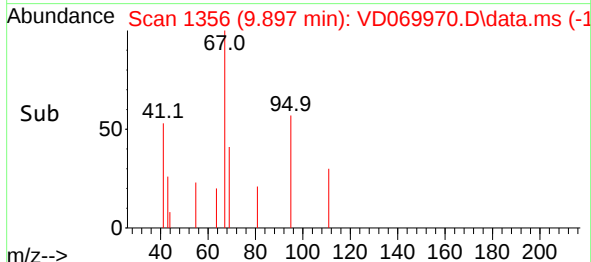
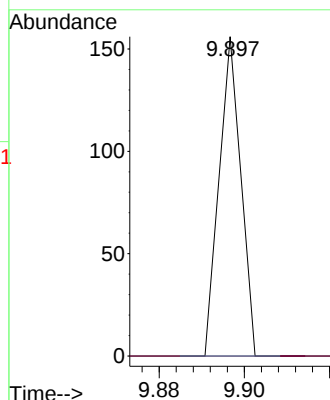
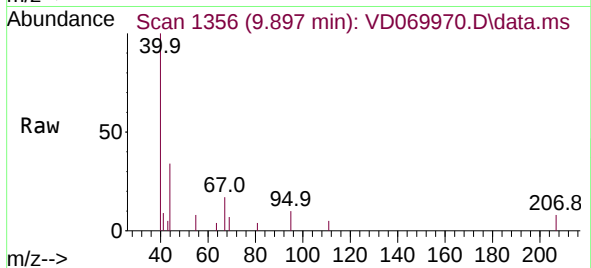




#58
2-Chloroethyl Vinyl ether
Concen: 20.884 ug/l
RT: 9.897 min Scan# 1356
Delta R.T. -0.041 min
Lab File: VD069970.D
Acq: 03 Aug 2021 17:07

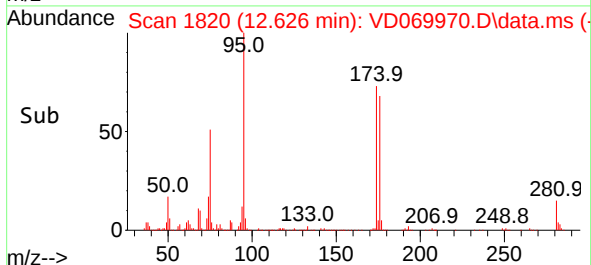
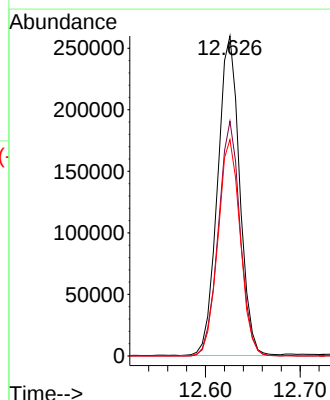
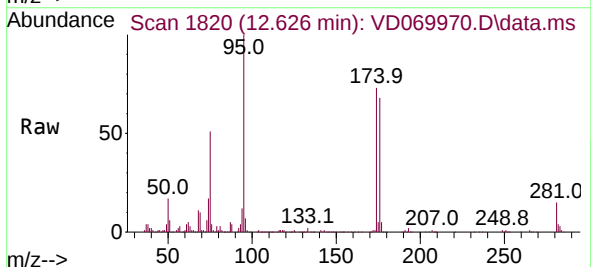
Instrument :
MSVOA_D
ClientSampled :

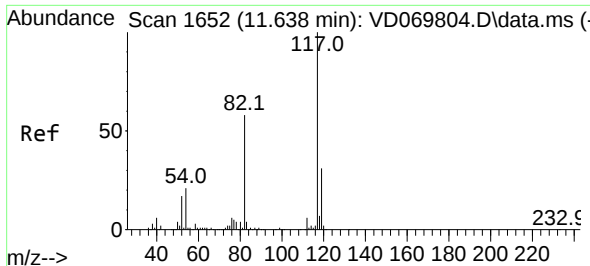
Tgt Ion: 63 Resp: 55
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#



#62
4-Bromofluorobenzene
Concen: 44.986 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069970.D
Acq: 03 Aug 2021 17:07

Tgt Ion: 95 Resp: 419116
Ion Ratio Lower Upper
95 100
174 72.7 0.0 142.6
176 68.4 0.0 134.2

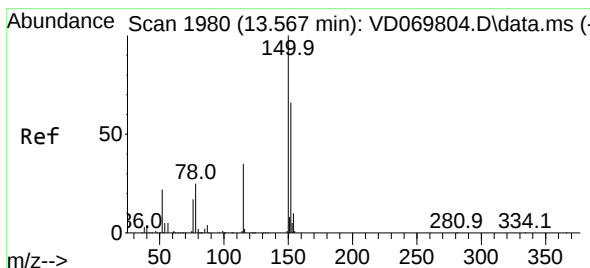
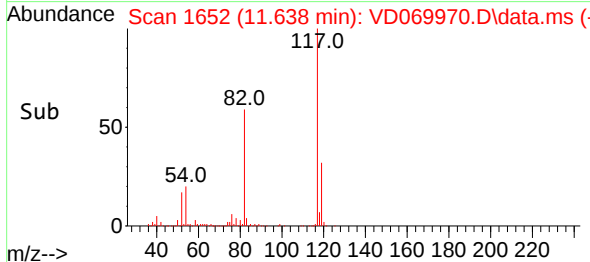
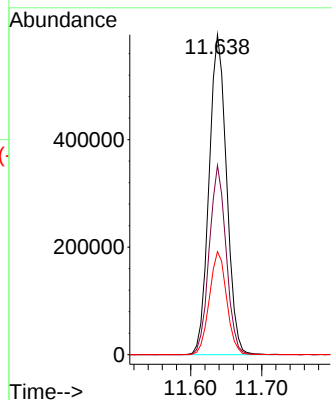
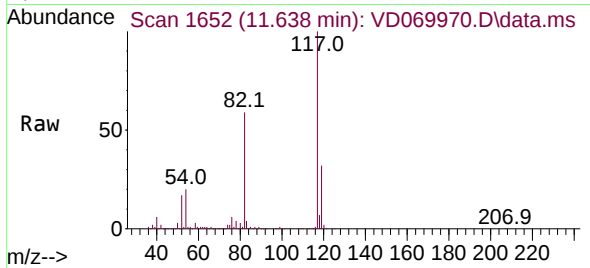




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069970.D
Acq: 03 Aug 2021 17:07

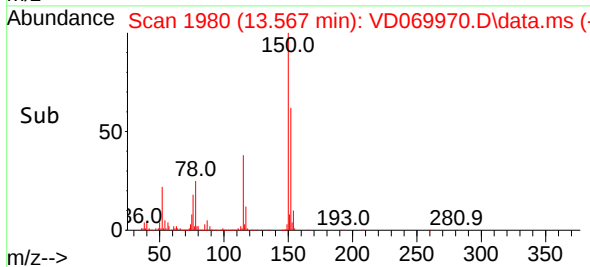
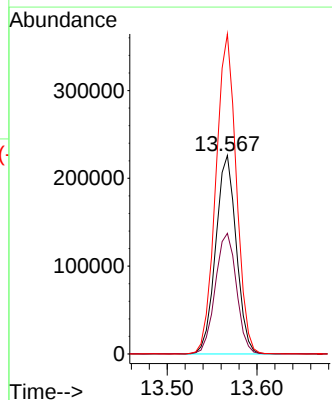
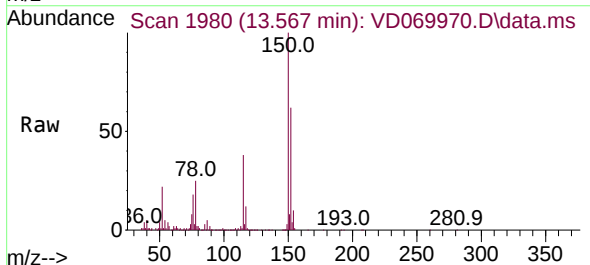
Instrument :
MSVOA_D
ClientSampleId :

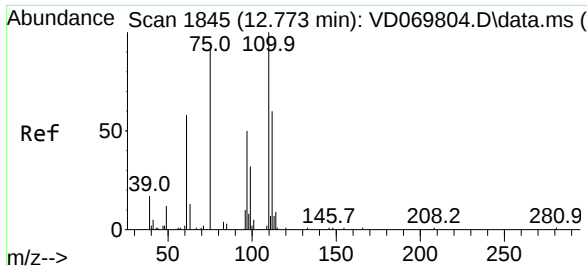
Tgt Ion:117 Resp: 1019494
Ion Ratio Lower Upper
117 100
82 59.1 46.3 69.5
119 32.2 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069970.D
Acq: 03 Aug 2021 17:07

Tgt Ion:152 Resp: 360047
Ion Ratio Lower Upper
152 100
115 62.9 31.1 93.3
150 160.1 0.0 343.0

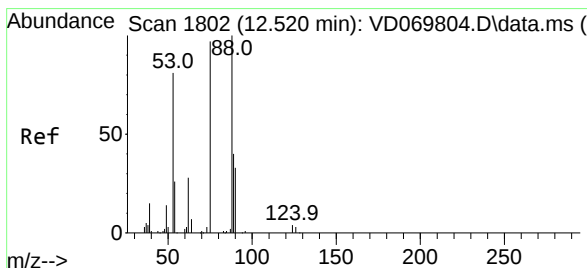
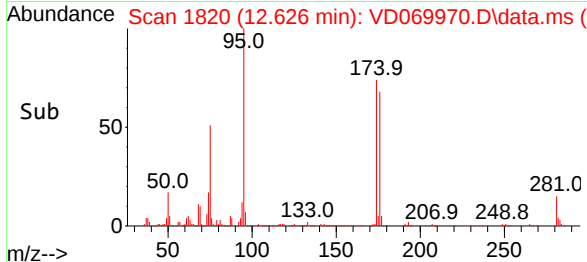
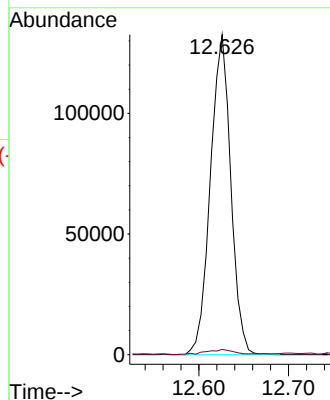
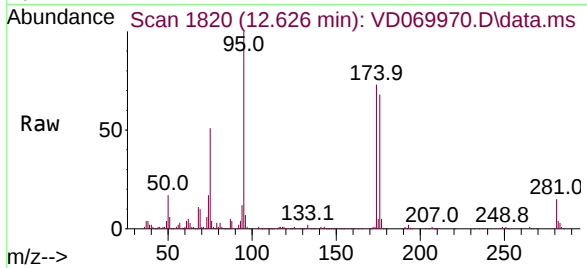




#76
1,2,3-Trichloropropane
Concen: 54.598 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069970.D
Acq: 03 Aug 2021 17:07

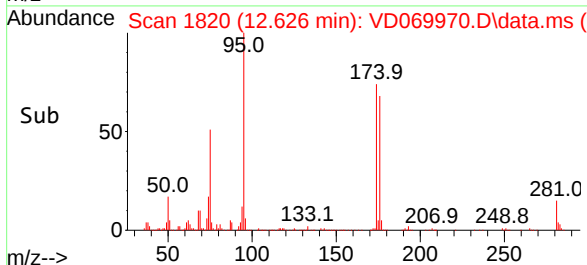
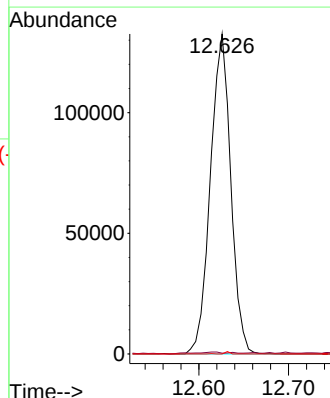
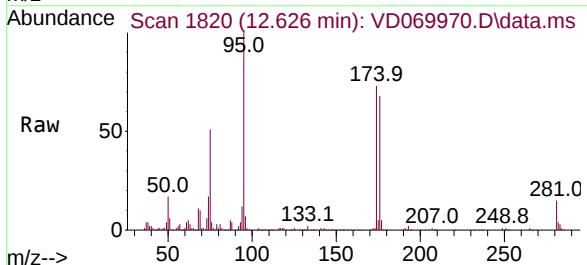
Instrument :
MSVOA_D
ClientSampleId :

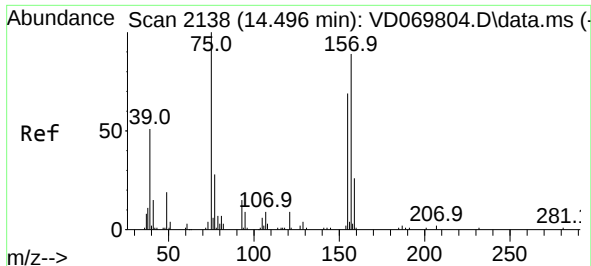
Tgt Ion: 75 Resp: 208948
Ion Ratio Lower Upper
75 100
77 2.3 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 165.636 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069970.D
Acq: 03 Aug 2021 17:07

Tgt Ion: 75 Resp: 208948
Ion Ratio Lower Upper
75 100
53 0.5 67.2 100.8#
89 0.2 35.8 53.6#

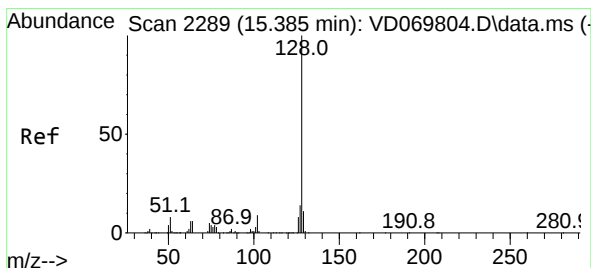
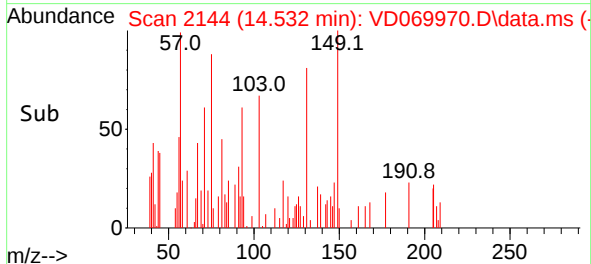
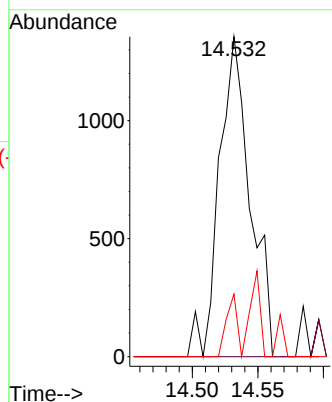
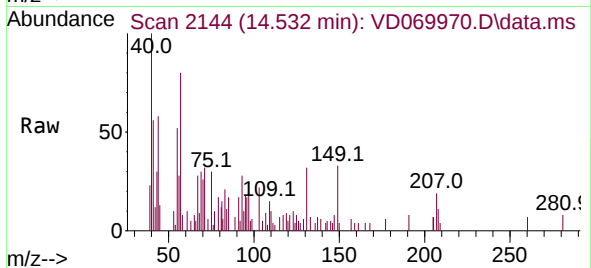




#92
1,2-Dibromo-3-Chloropropane
Concen: 2.995 ug/l
RT: 14.532 min Scan# 2144
Delta R.T. 0.035 min
Lab File: VD069970.D
Acq: 03 Aug 2021 17:07

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 2228
Ion Ratio Lower Upper
75 100
155 0.0 36.3 108.9#
157 6.7 47.0 141.0#



#95
Naphthalene
Concen: 5.121 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.011 min
Lab File: VD069970.D
Acq: 03 Aug 2021 17:07

Tgt Ion: 128 Resp: 1602
Ion Ratio Lower Upper
128 100
127 11.1 10.6 16.0
129 19.8 8.6 12.8#

