

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080321\
 Data File : VD069966.D
 Acq On : 03 Aug 2021 15:13
 Operator : VA/SY
 Sample : M3268-07
 Misc : 7.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 04 01:32:43 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)

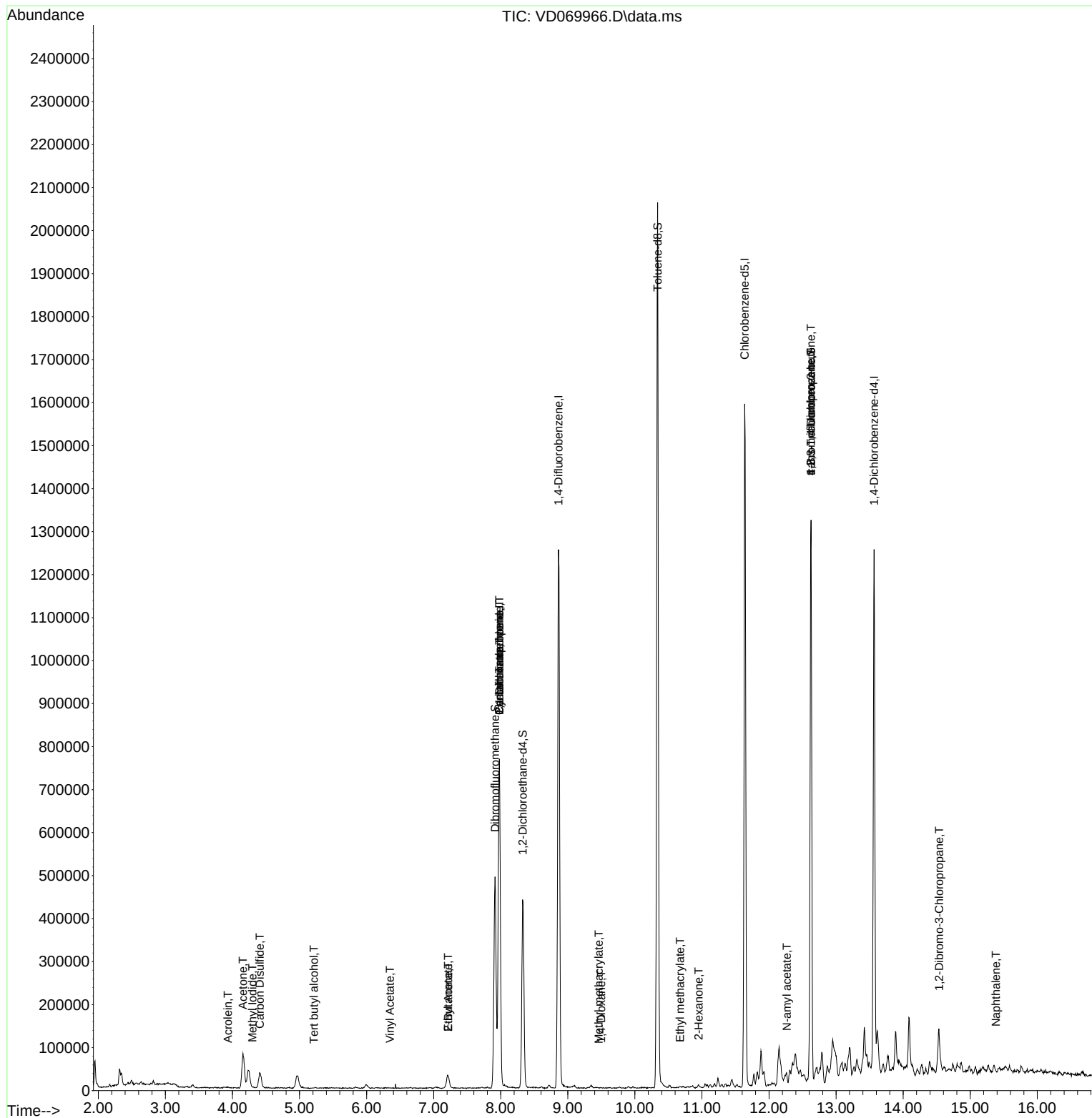
Internal Standards						
1) Pentafluorobenzene	7.979	168	536377	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1091972	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	933218	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	324271	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	344083	55.778	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.560%	
35) Dibromofluoromethane	7.914	113	361913	52.575	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.140%	
50) Toluene-d8	10.338	98	1376865	51.872	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.740%	
62) 4-Bromofluorobenzene	12.626	95	394833	44.509	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 89.020%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	1635	Below Cal		85
10) Methyl Iodide	4.297	142	453	3.526 ug/l	#	40
11) Tert butyl alcohol	5.215	59	334	1.046 ug/l	#	73
13) Acrolein	3.932	56	1256	2.811 ug/l	#	14
16) Acetone	4.156	43	138125	123.949 ug/l		99
17) Carbon Disulfide	4.409	76	77791	3.545 ug/l		100
20) Methylene Chloride	4.967	84	23837	Below Cal		92
23) Vinyl Acetate	6.350	43	54	20.354 ug/l	#	71
25) 2-Butanone	7.214	43	41771	27.640 ug/l		100
31) Cyclohexane	7.979	56	14305	1.187 ug/l	#	4
36) 1,1-Dichloropropene	7.979	75	49563	4.206 ug/l	#	50
37) Ethyl Acetate	7.214	43	41771	9.737 ug/l	#	69
38) Carbon Tetrachloride	7.979	117	59341	5.513 ug/l	#	17
48) Methyl methacrylate	9.461	41	71	2.763 ug/l	#	13
49) 1,4-Dioxane	9.497	88	63	1.353 ug/l	#	1
56) Ethyl methacrylate	10.673	69	405	3.944 ug/l	#	41
59) 2-Hexanone	10.950	43	3073	1.160 ug/l	#	21
74) N-amyl acetate	12.267	43	5976	1.247 ug/l	#	56
76) 1,2,3-Trichloropropane	12.626	75	196326	56.960 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.626	75	196326	172.800 ug/l	#	16
92) 1,2-Dibromo-3-Chloropr...	14.538	75	27582	41.166 ug/l	#	7
95) Naphthalene	15.385	128	3518	5.297 ug/l		98

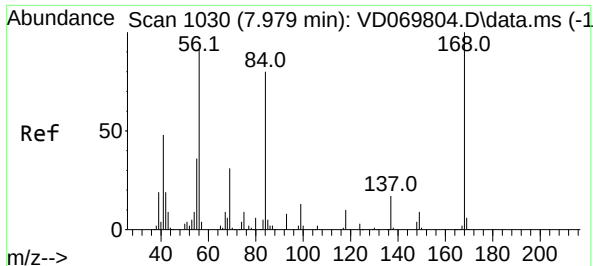
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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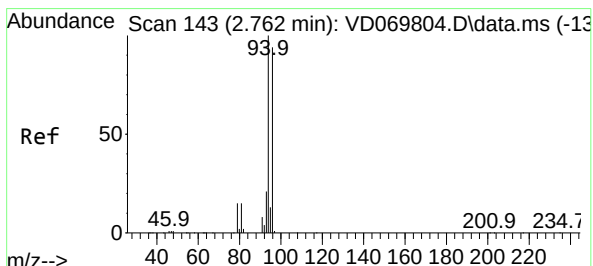
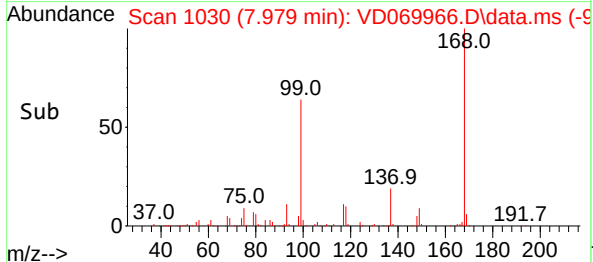
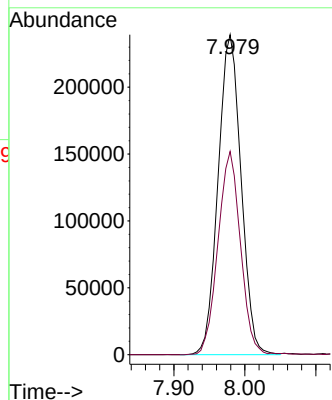
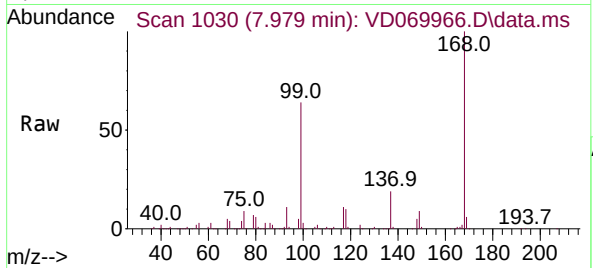




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069966.D
Acq: 03 Aug 2021 15:13

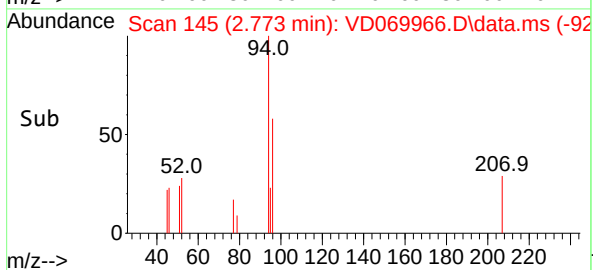
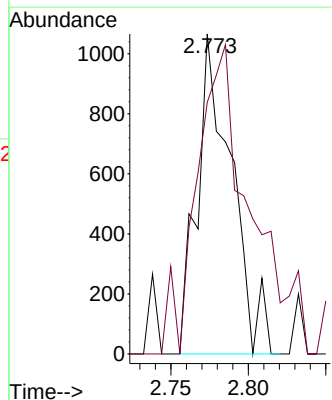
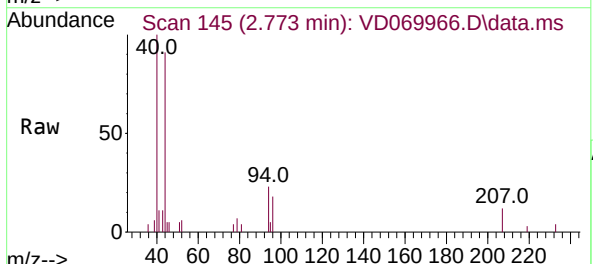
Instrument :
MSVOA_D
ClientSampled :

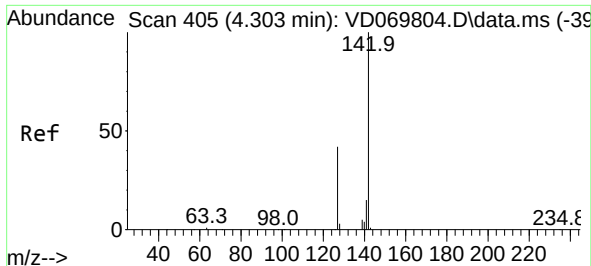
Tgt Ion:168 Resp: 536377
Ion Ratio Lower Upper
168 100
99 63.5 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD069966.D
Acq: 03 Aug 2021 15:13

Tgt Ion: 94 Resp: 1635
Ion Ratio Lower Upper
94 100
96 78.6 74.8 112.2

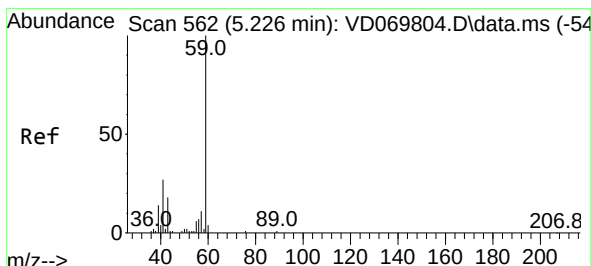
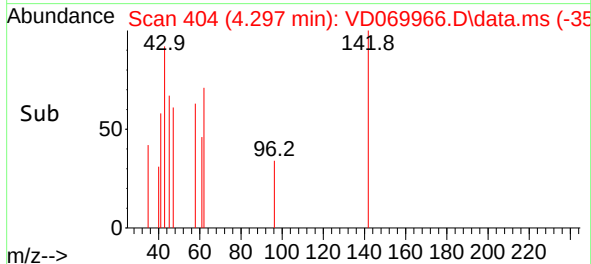
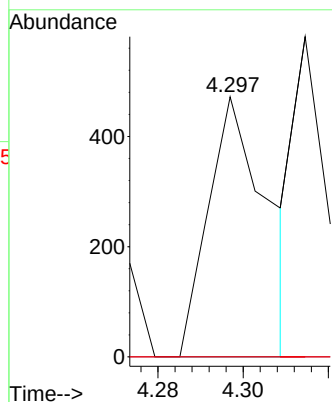
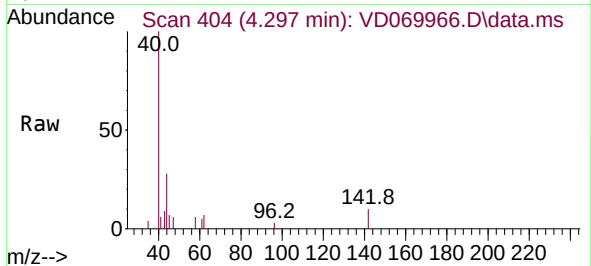




#10
Methyl Iodide
Concen: 3.526 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD069966.D
Acq: 03 Aug 2021 15:13

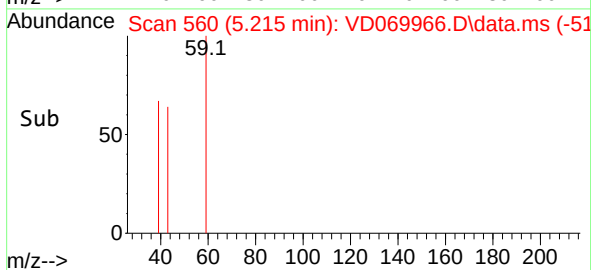
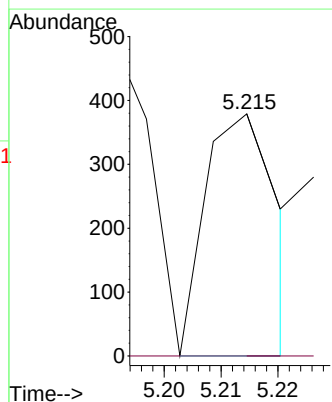
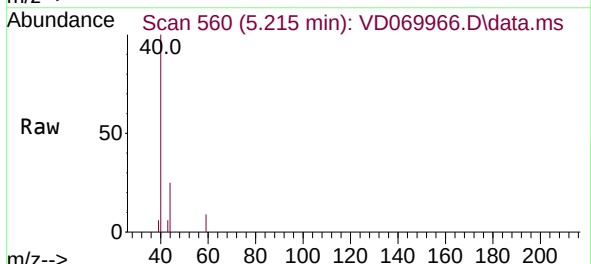
Instrument :
MSVOA_D
ClientSampled :

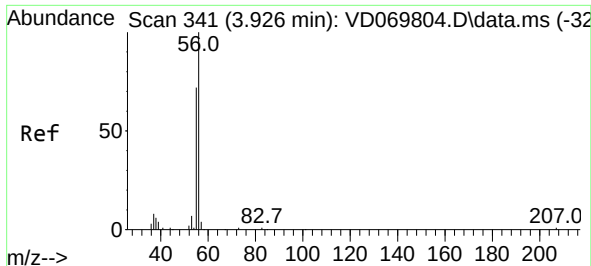
Tgt Ion:142 Resp: 453
Ion Ratio Lower Upper
142 100
127 0.0 35.7 53.5#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 1.046 ug/l
RT: 5.215 min Scan# 560
Delta R.T. -0.012 min
Lab File: VD069966.D
Acq: 03 Aug 2021 15:13

Tgt Ion: 59 Resp: 334
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

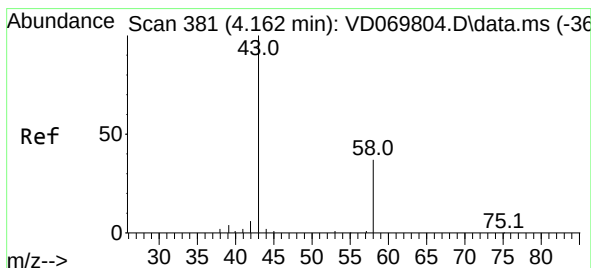
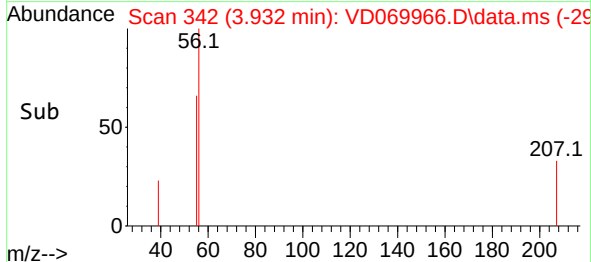
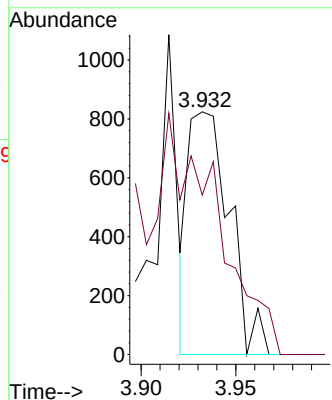
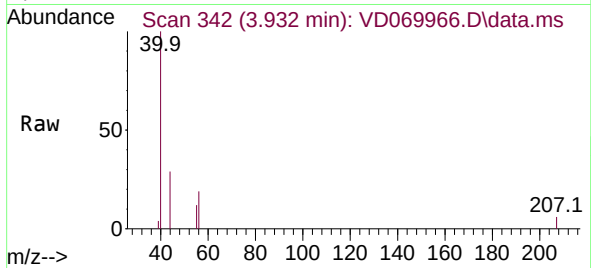




#13
Acrolein
Concen: 2.811 ug/l
RT: 3.932 min Scan# 342
Delta R.T. 0.006 min
Lab File: VD069966.D
Acq: 03 Aug 2021 15:13

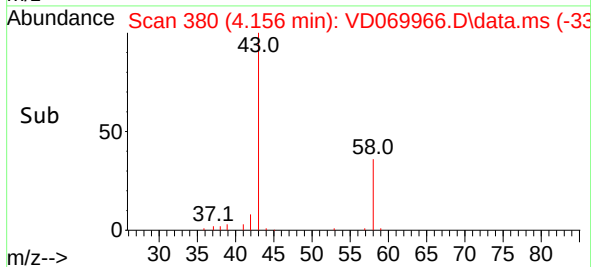
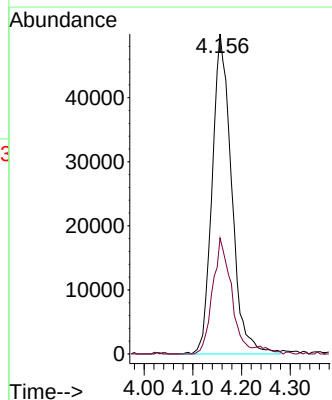
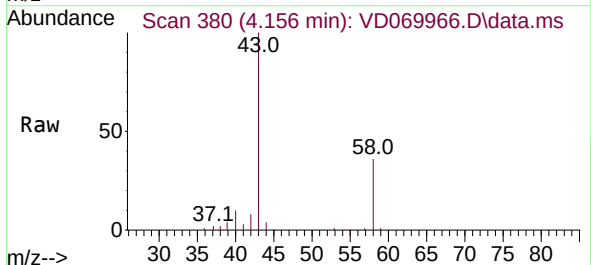
Instrument :
MSVOA_D
ClientSampled :

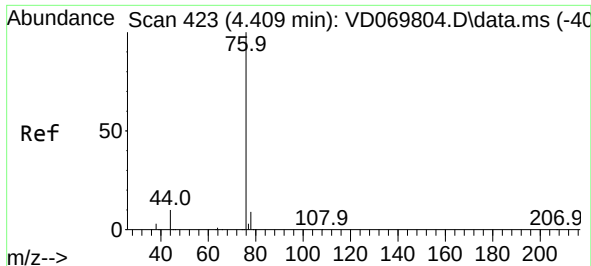
Tgt Ion: 56 Resp: 1256
Ion Ratio Lower Upper
56 100
55 0.0 57.2 85.8#



#16
Acetone
Concen: 123.949 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069966.D
Acq: 03 Aug 2021 15:13

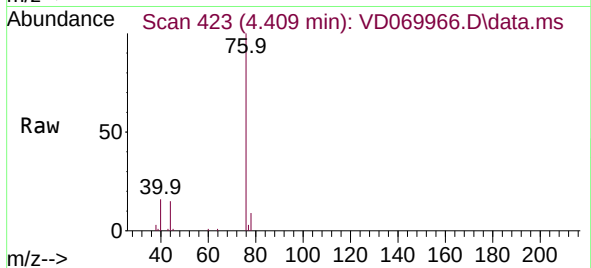
Tgt Ion: 43 Resp: 138125
Ion Ratio Lower Upper
43 100
58 36.2 29.4 44.0



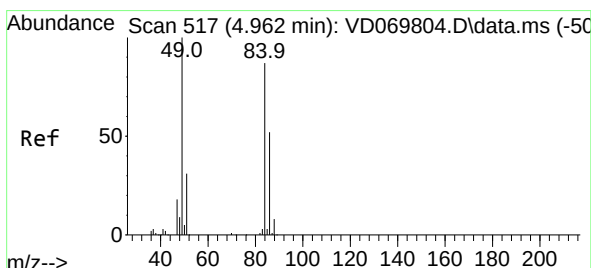
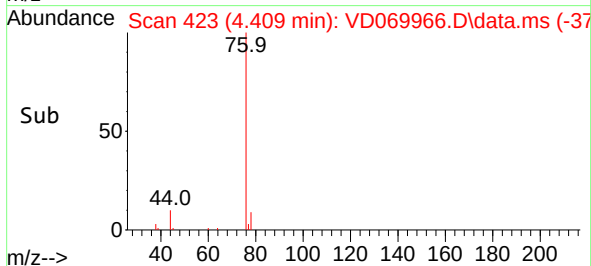
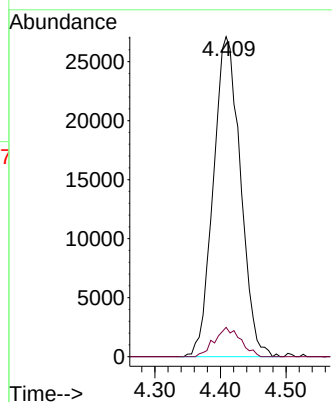


#17
Carbon Disulfide
Concen: 3.545 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD069966.D
Acq: 03 Aug 2021 15:13

Instrument :
MSVOA_D
ClientSampled :

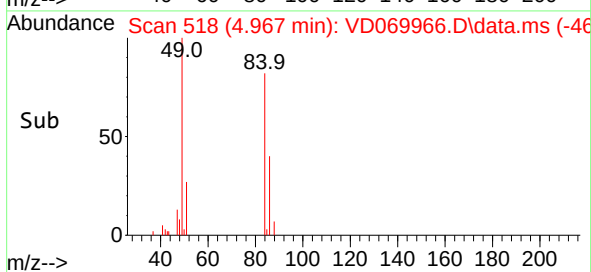
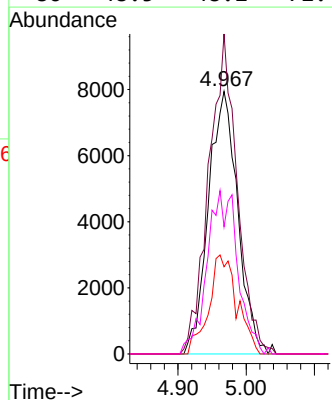
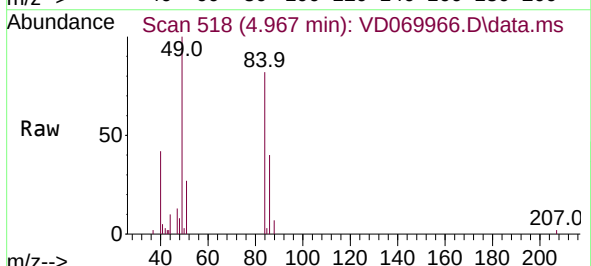


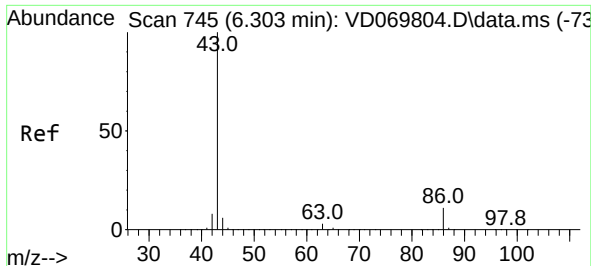
Tgt Ion: 76 Resp: 77791
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD069966.D
Acq: 03 Aug 2021 15:13

Tgt Ion: 84 Resp: 23837
Ion Ratio Lower Upper
84 100
49 121.8 92.4 138.6
51 33.2 28.5 42.7
86 48.5 48.2 72.4

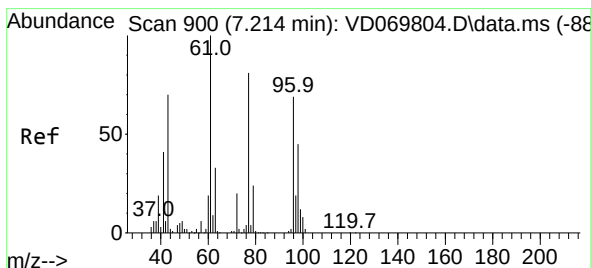
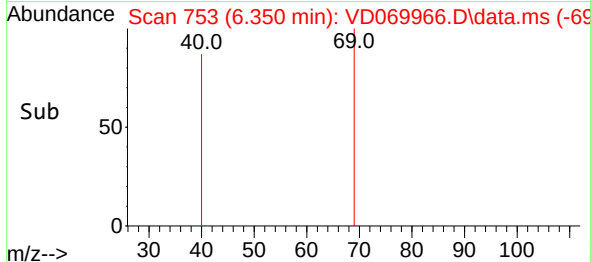
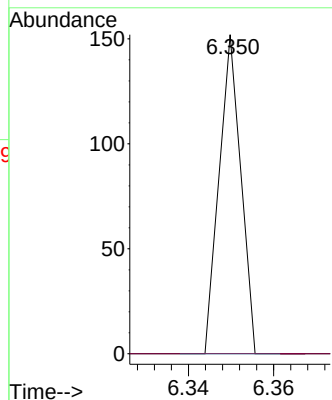
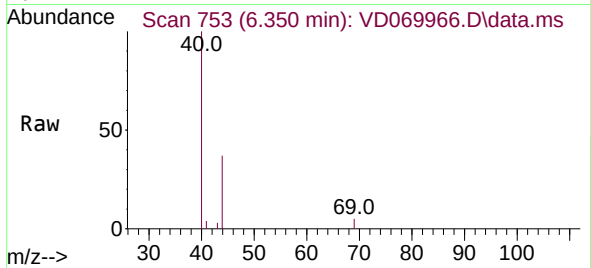




#23
 Vinyl Acetate
 Concen: 20.354 ug/l
 RT: 6.350 min Scan# 753
 Delta R.T. 0.047 min
 Lab File: VD069966.D
 Acq: 03 Aug 2021 15:13

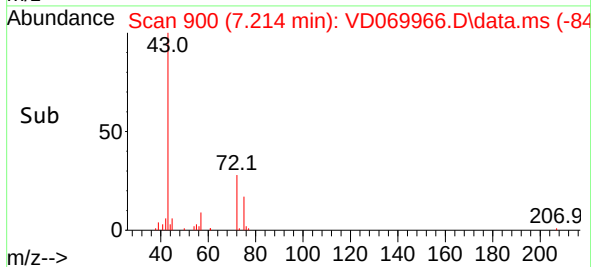
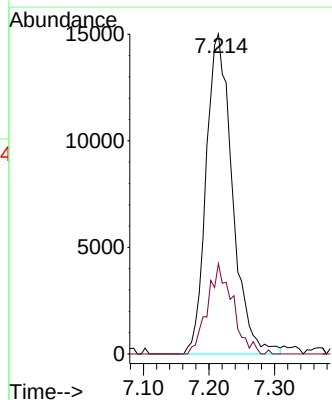
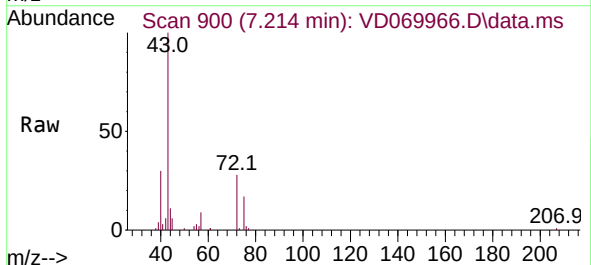
Instrument :
 MSVOA_D
 ClientSampled :

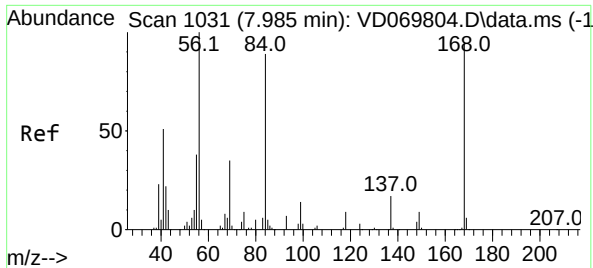
Tgt Ion: 43 Resp: 54
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#25
 2-Butanone
 Concen: 27.640 ug/l
 RT: 7.214 min Scan# 900
 Delta R.T. -0.000 min
 Lab File: VD069966.D
 Acq: 03 Aug 2021 15:13

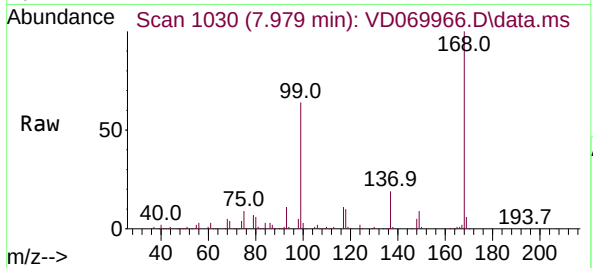
Tgt Ion: 43 Resp: 41771
 Ion Ratio Lower Upper
 43 100
 72 28.3 22.8 34.2



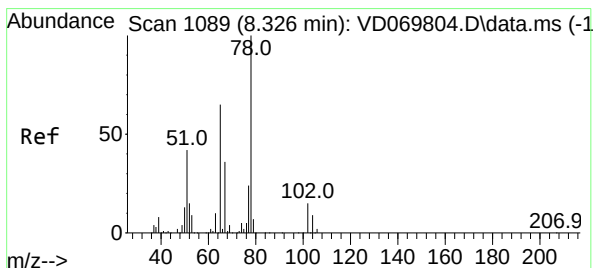
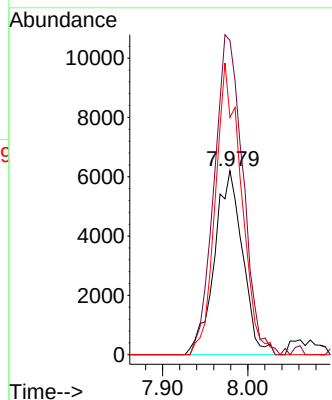
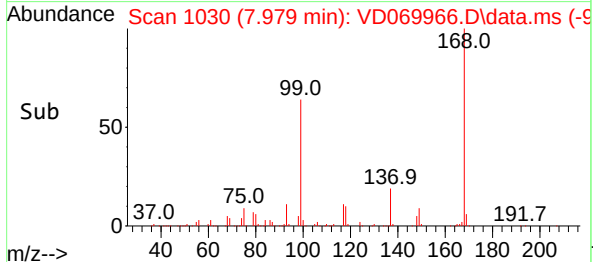


#31
Cyclohexane
Concen: 1.187 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069966.D
Acq: 03 Aug 2021 15:13

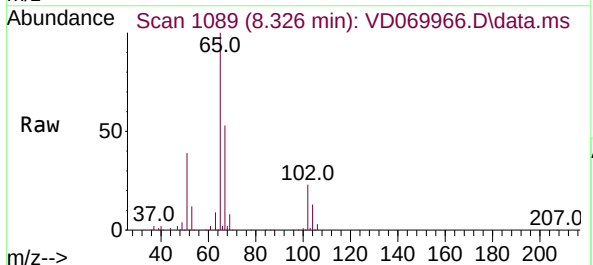
Instrument :
MSVOA_D
ClientSampleId :



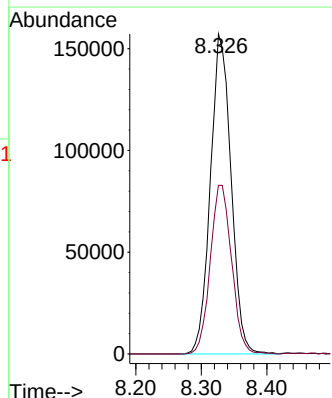
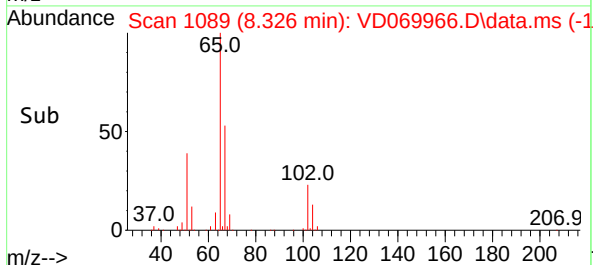
Tgt Ion: 56 Resp: 14305
Ion Ratio Lower Upper
56 100
69 170.9 27.9 41.9#
84 129.1 71.4 107.2#

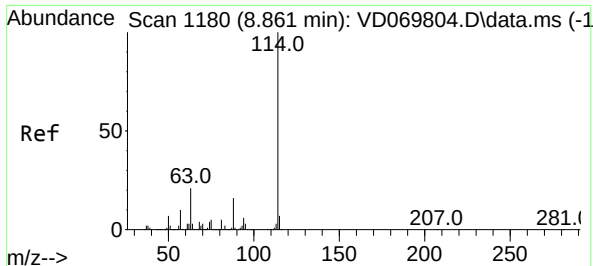


#33
1,2-Dichloroethane-d4
Concen: 55.778 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069966.D
Acq: 03 Aug 2021 15:13



Tgt Ion: 65 Resp: 344083
Ion Ratio Lower Upper
65 100
67 54.4 0.0 111.2



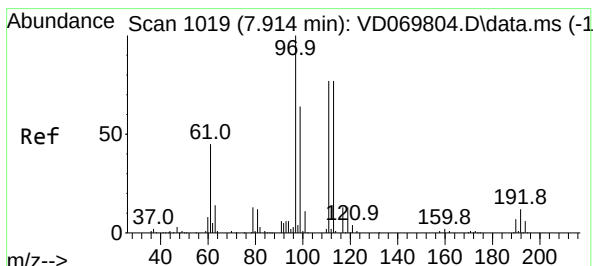
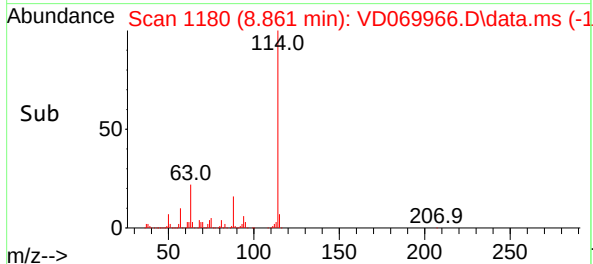
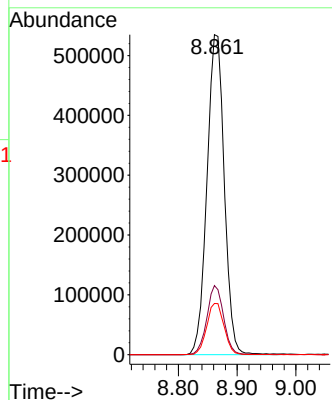
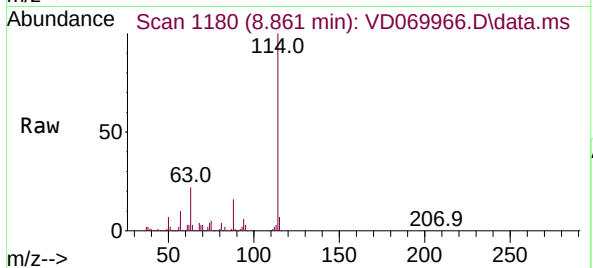


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069966.D
Acq: 03 Aug 2021 15:13

Instrument :
MSVOA_D
ClientSampled :

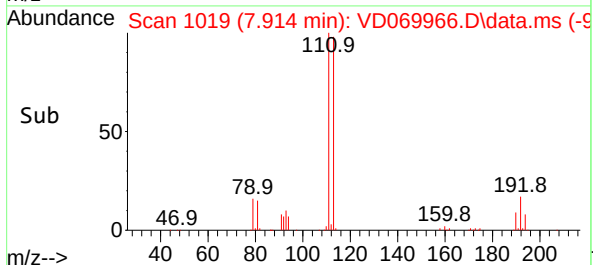
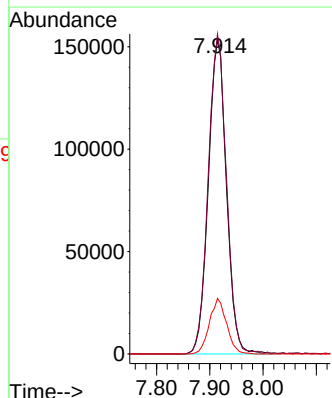
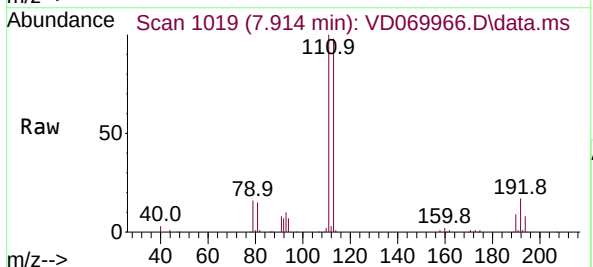
Tgt Ion:114 Resp: 1091972
Ion Ratio Lower Upper
114 100
63 21.6 0.0 41.6
88 16.0 0.0 31.4

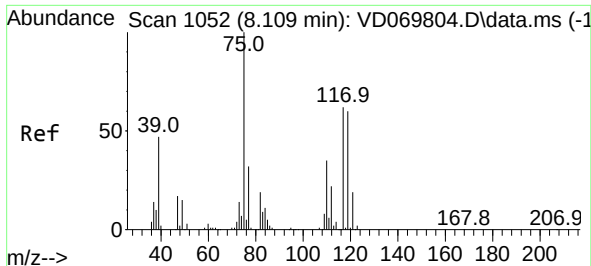


#35

Dibromofluoromethane
Concen: 52.575 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069966.D
Acq: 03 Aug 2021 15:13

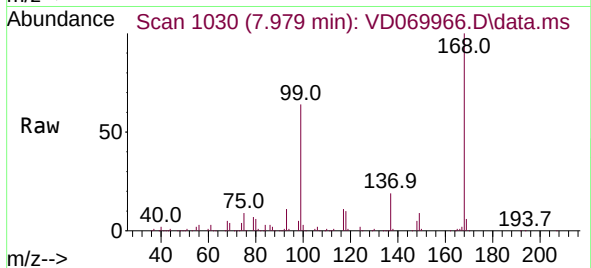
Tgt Ion:113 Resp: 361913
Ion Ratio Lower Upper
113 100
111 102.4 80.5 120.7
192 16.8 12.6 19.0



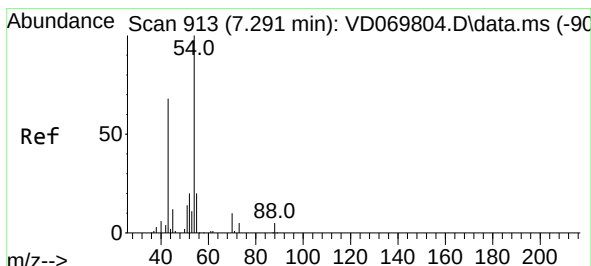
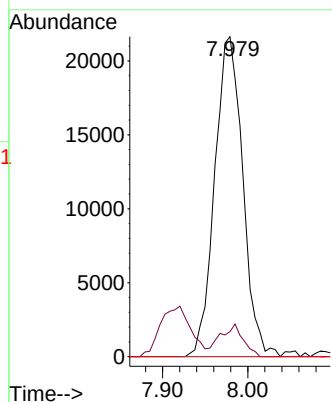
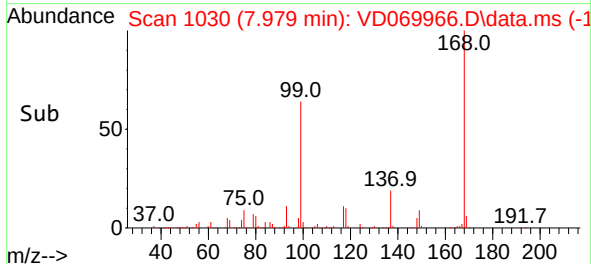


#36
1,1-Dichloropropene
Concen: 4.206 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069966.D
Acq: 03 Aug 2021 15:13

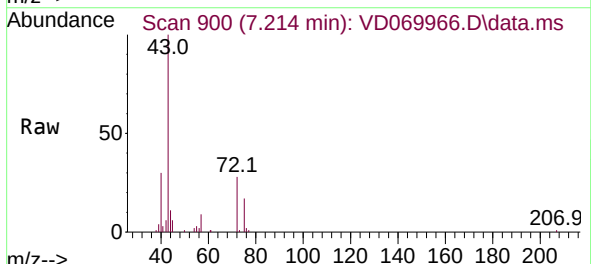
Instrument :
MSVOA_D
ClientSampleId :



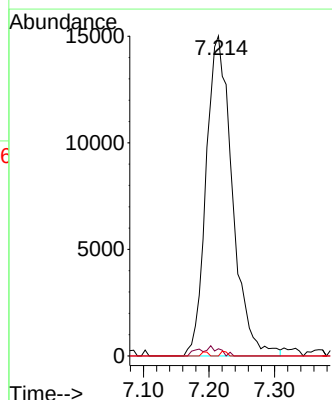
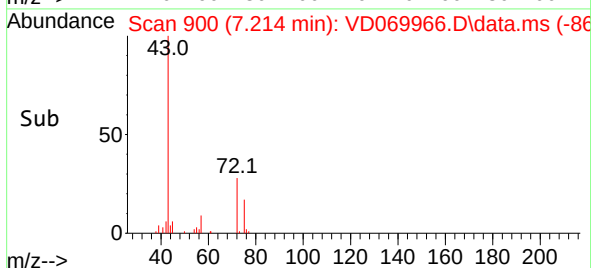
Tgt Ion: 75 Resp: 49563
Ion Ratio Lower Upper
75 100
110 8.5 16.9 50.7#
77 0.0 24.9 37.3#

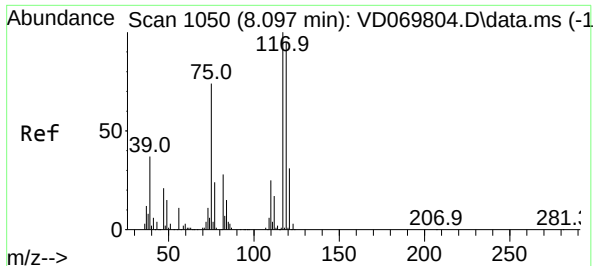


#37
Ethyl Acetate
Concen: 9.737 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.077 min
Lab File: VD069966.D
Acq: 03 Aug 2021 15:13



Tgt Ion: 43 Resp: 41771
Ion Ratio Lower Upper
43 100
61 1.5 11.8 17.8#
70 0.3 8.9 13.3#

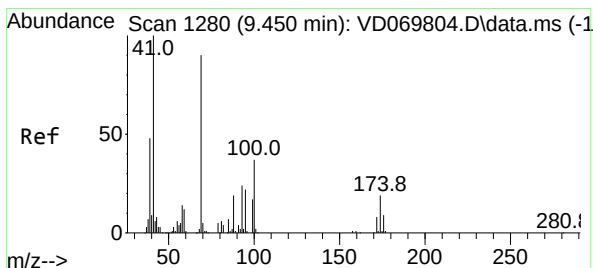
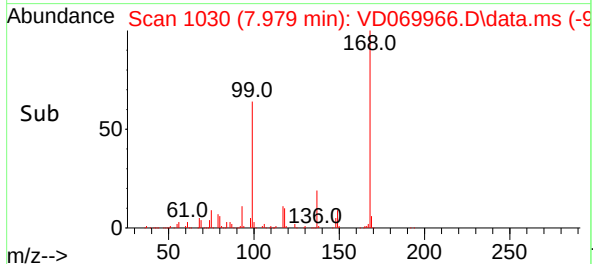
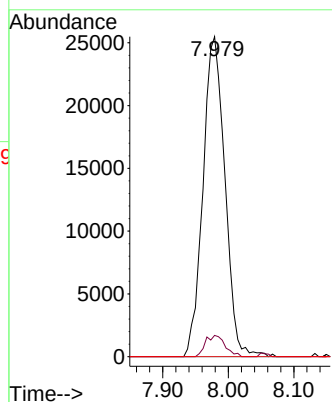
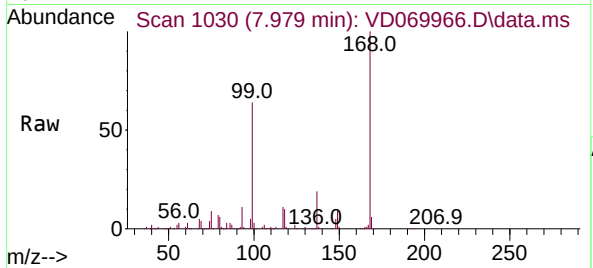




#38
Carbon Tetrachloride
Concen: 5.513 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069966.D
Acq: 03 Aug 2021 15:13

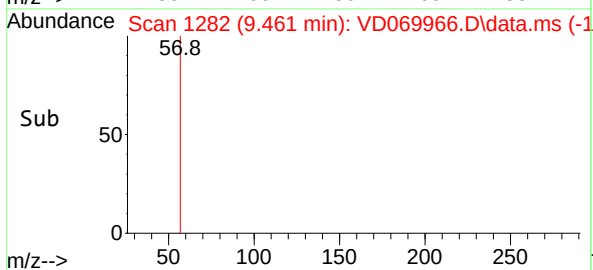
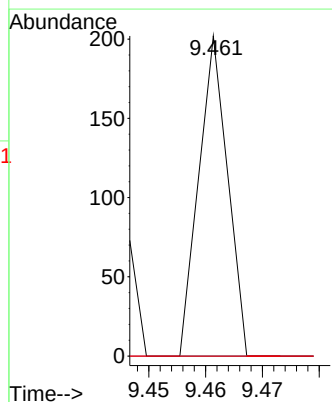
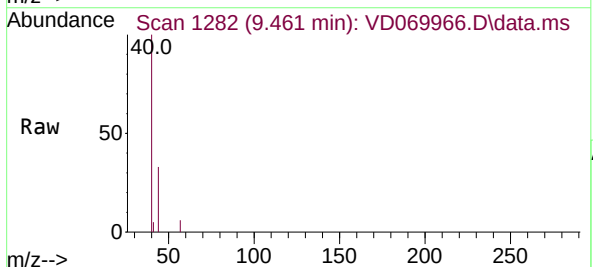
Instrument :
MSVOA_D
ClientSampled :

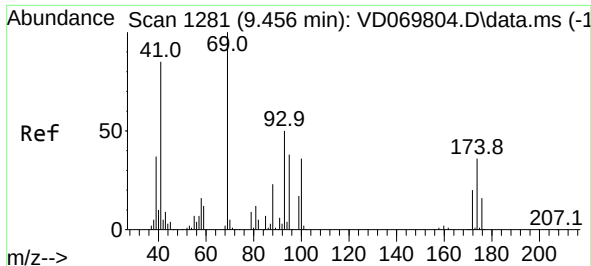
Tgt Ion:117 Resp: 59341
Ion Ratio Lower Upper
117 100
119 6.6 76.2 114.2#
121 0.0 24.5 36.7#



#48
Methyl methacrylate
Concen: 2.763 ug/l
RT: 9.461 min Scan# 1282
Delta R.T. 0.011 min
Lab File: VD069966.D
Acq: 03 Aug 2021 15:13

Tgt Ion: 41 Resp: 71
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#





#49

1,4-Dioxane

Concen: 1.353 ug/l

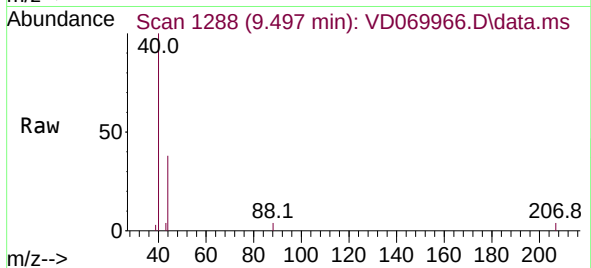
RT: 9.497 min Scan# 1288

Delta R.T. 0.041 min

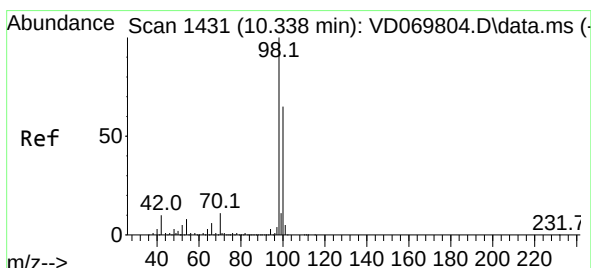
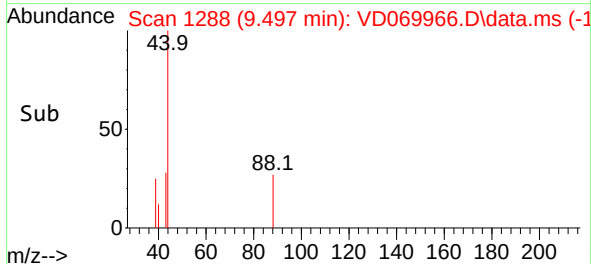
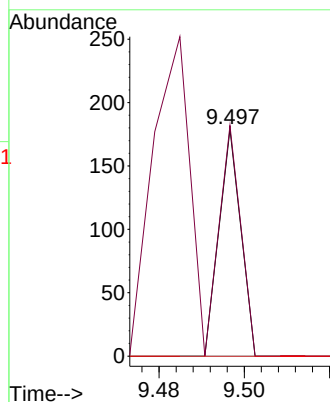
Lab File: VD069966.D

Acq: 03 Aug 2021 15:13

Instrument :
MSVOA_D
ClientSampled :



Tgt Ion:	88	Resp:	63
Ion	Ratio	Lower	Upper
88	100		
43	342.9	26.8	40.2#
58	0.0	59.8	89.6#



#50

Toluene-d8

Concen: 51.872 ug/l

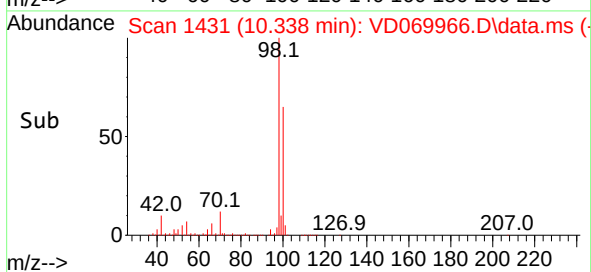
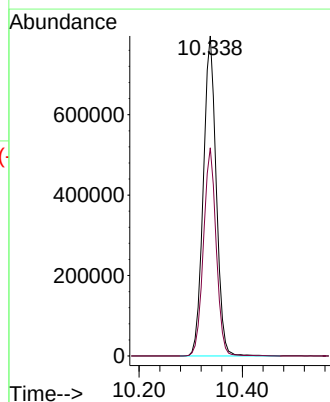
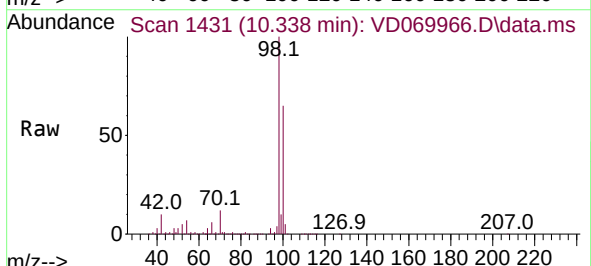
RT: 10.338 min Scan# 1431

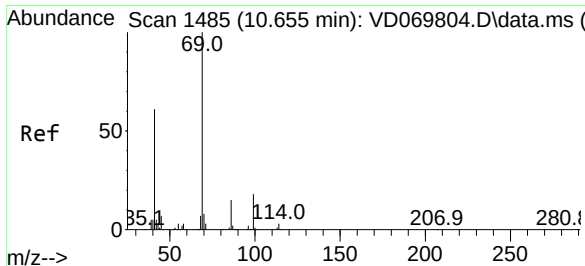
Delta R.T. -0.000 min

Lab File: VD069966.D

Acq: 03 Aug 2021 15:13

Tgt Ion:	98	Resp:	1376865
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.9	77.9

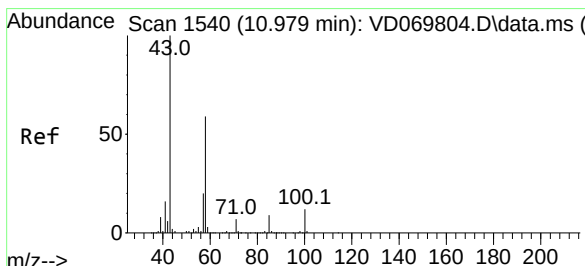
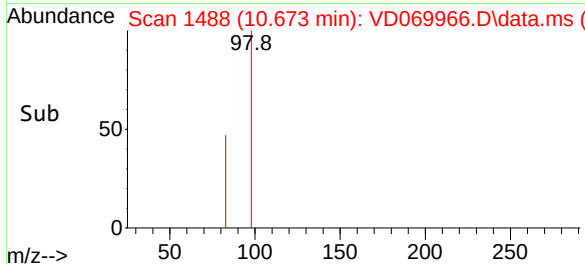
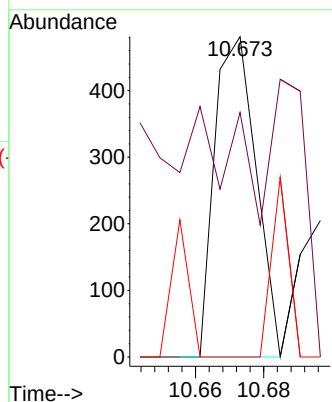
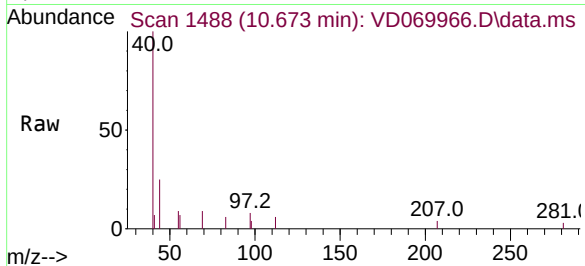




#56
Ethyl methacrylate
Concen: 3.944 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.018 min
Lab File: VD069966.D
Acq: 03 Aug 2021 15:13

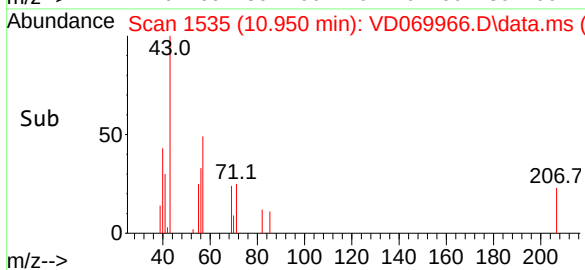
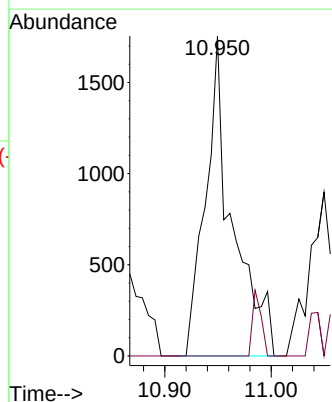
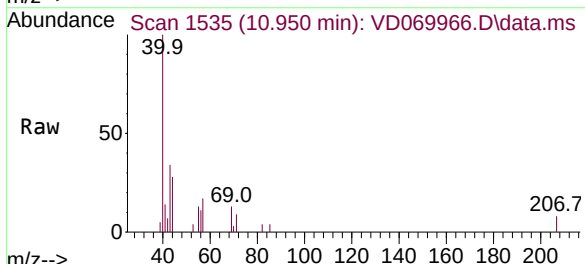
Instrument :
MSVOA_D
ClientSampled :

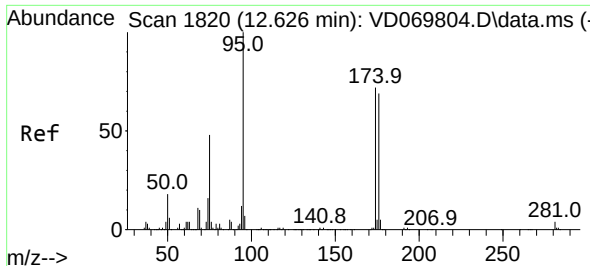
Tgt Ion: 69 Resp: 405
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 23.5 22.0 33.0



#59
2-Hexanone
Concen: 1.160 ug/l
RT: 10.950 min Scan# 1535
Delta R.T. -0.029 min
Lab File: VD069966.D
Acq: 03 Aug 2021 15:13

Tgt Ion: 43 Resp: 3073
Ion Ratio Lower Upper
43 100
58 0.0 29.4 88.3#

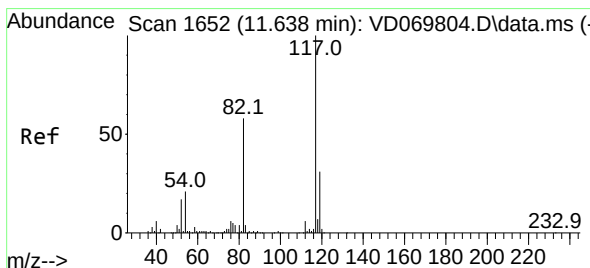
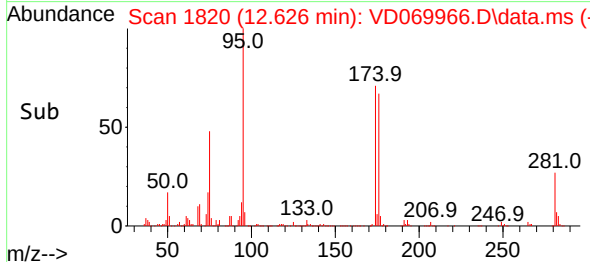
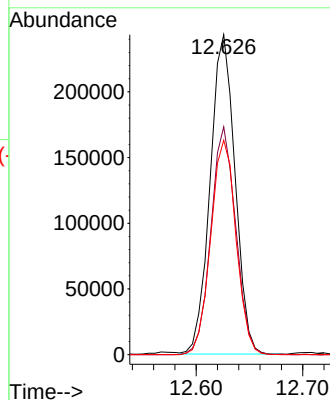
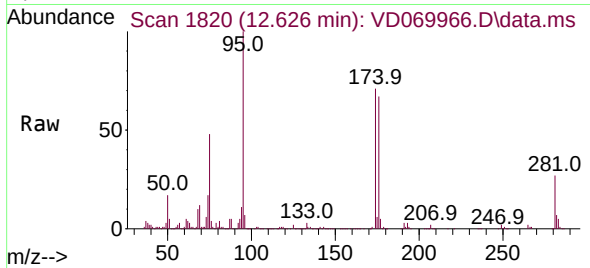




#62
4-Bromofluorobenzene
Concen: 44.509 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069966.D
Acq: 03 Aug 2021 15:13

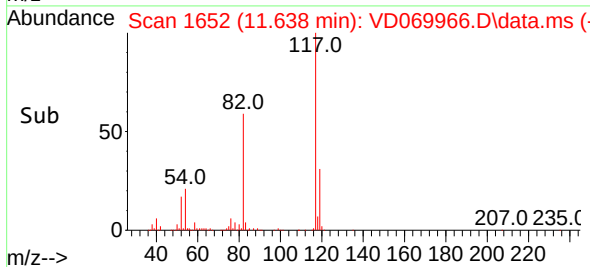
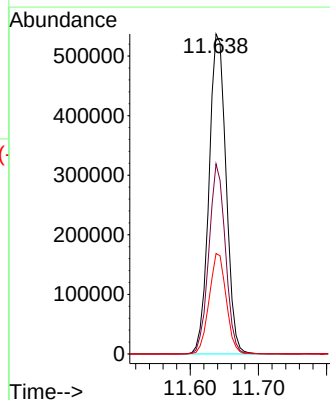
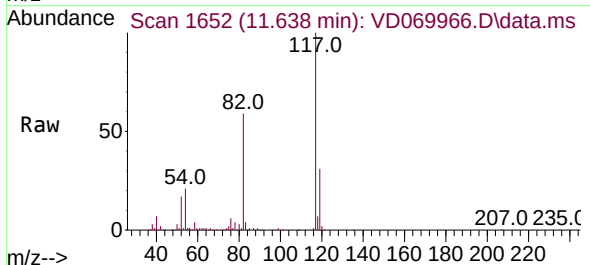
Instrument :
MSVOA_D
ClientSampleId :

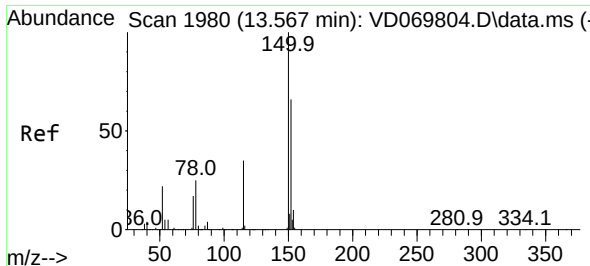
Tgt Ion: 95 Resp: 394833
Ion Ratio Lower Upper
95 100
174 71.3 0.0 142.6
176 68.2 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069966.D
Acq: 03 Aug 2021 15:13

Tgt Ion: 117 Resp: 933218
Ion Ratio Lower Upper
117 100
82 59.4 46.3 69.5
119 31.4 24.7 37.1

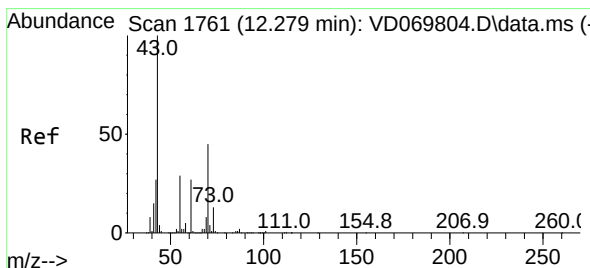
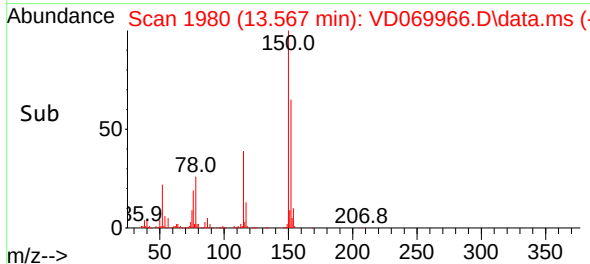
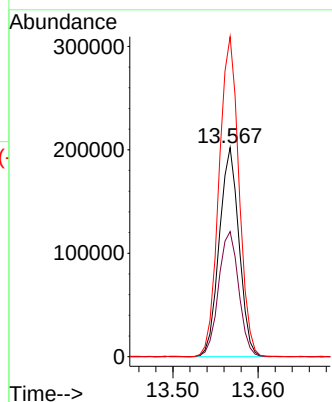
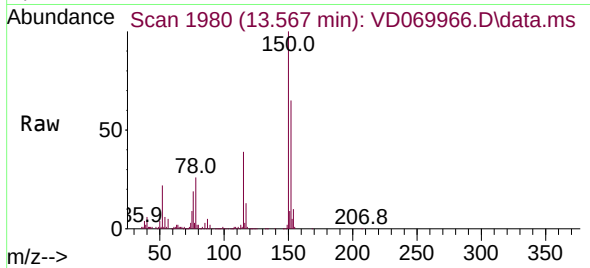




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069966.D
Acq: 03 Aug 2021 15:13

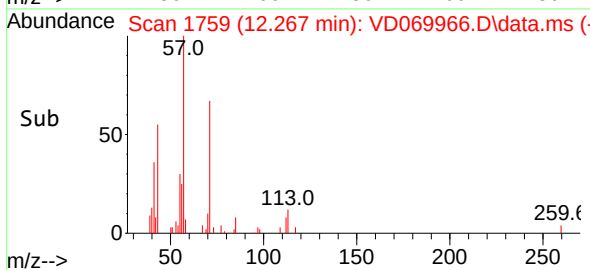
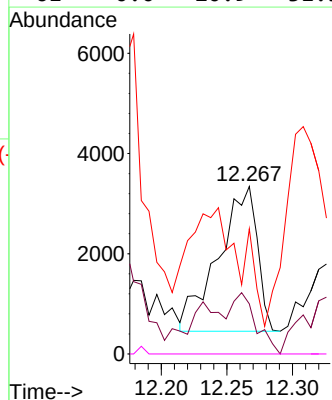
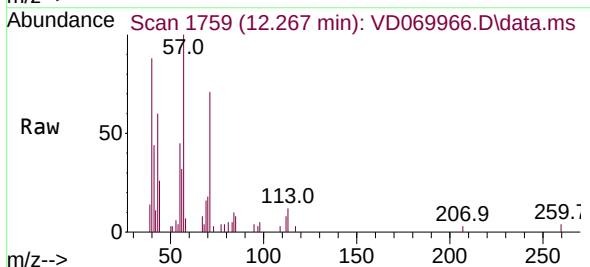
Instrument :
MSVOA_D
ClientSampled :

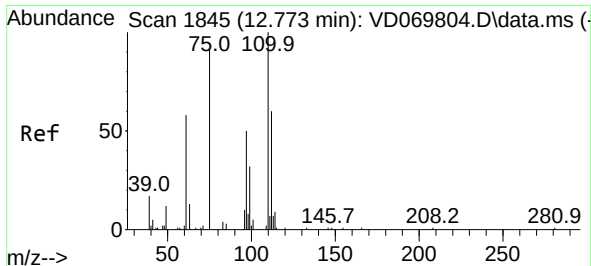
Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.3	31.1	93.3
150	154.7	0.0	343.0



#74
N-ethyl acetate
Concen: 1.247 ug/l
RT: 12.267 min Scan# 1759
Delta R.T. -0.012 min
Lab File: VD069966.D
Acq: 03 Aug 2021 15:13

Tgt Ion	Ratio	Lower	Upper
43	100		
70	25.8	37.9	56.9#
55	0.0	23.7	35.5#
61	0.0	20.9	31.3#

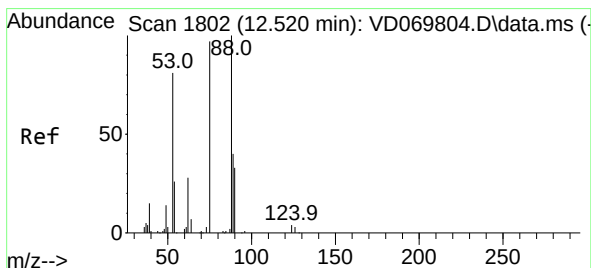
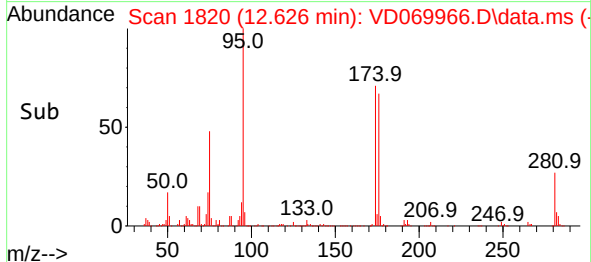
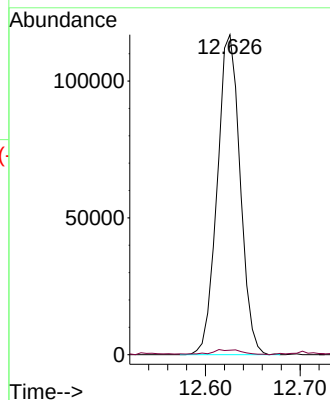
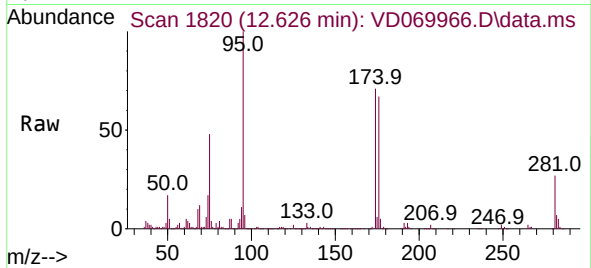




#76
1,2,3-Trichloropropane
Concen: 56.960 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069966.D
Acq: 03 Aug 2021 15:13

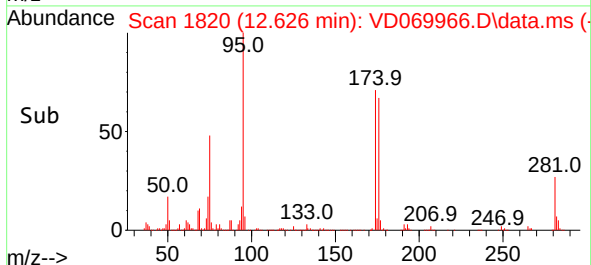
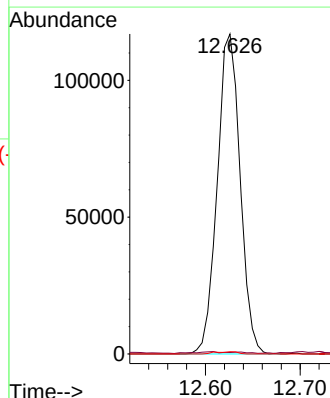
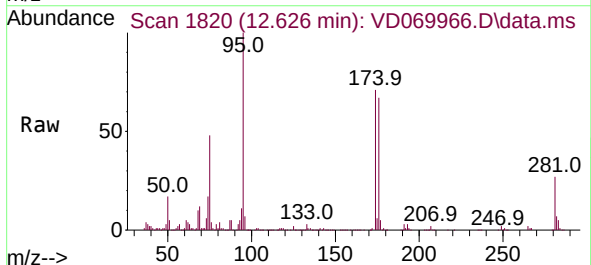
Instrument :
MSVOA_D
ClientSampleId :

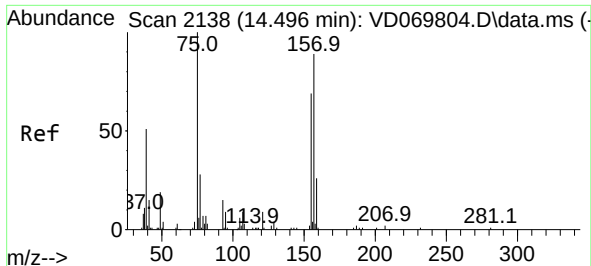
Tgt Ion: 75 Resp: 196326
Ion Ratio Lower Upper
75 100
77 2.1 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 172.800 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069966.D
Acq: 03 Aug 2021 15:13

Tgt Ion: 75 Resp: 196326
Ion Ratio Lower Upper
75 100
53 0.2 67.2 100.8#
89 0.7 35.8 53.6#

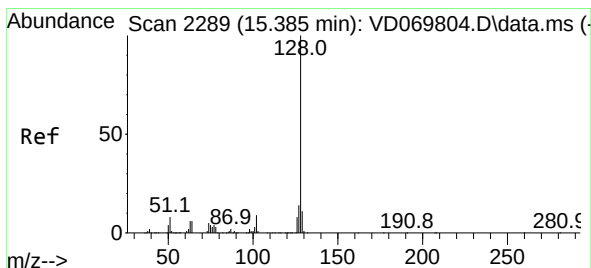
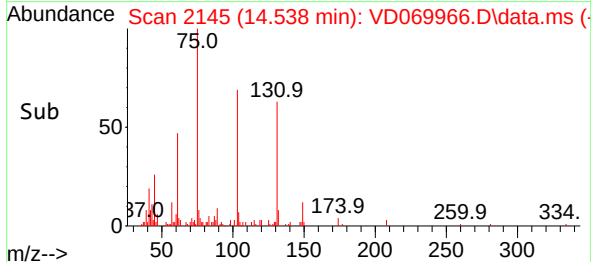
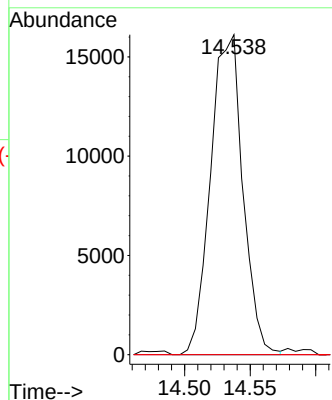
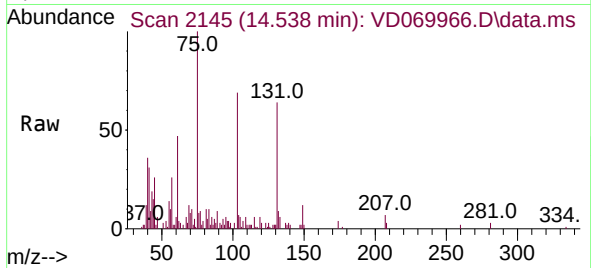




#92
1,2-Dibromo-3-Chloropropane
Concen: 41.166 ug/l
RT: 14.538 min Scan# 2145
Delta R.T. 0.041 min
Lab File: VD069966.D
Acq: 03 Aug 2021 15:13

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 27582
Ion Ratio Lower Upper
75 100
155 0.0 36.3 108.9#
157 0.0 47.0 141.0#



#95
Naphthalene
Concen: 5.297 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD069966.D
Acq: 03 Aug 2021 15:13

Tgt Ion:128 Resp: 3518
Ion Ratio Lower Upper
128 100
127 11.9 10.6 16.0
129 10.7 8.6 12.8

