

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071521\
 Data File : VD069712.D
 Acq On : 15 Jul 2021 17:32
 Operator : VA/SY
 Sample : M3026-07
 Misc : 10.68G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

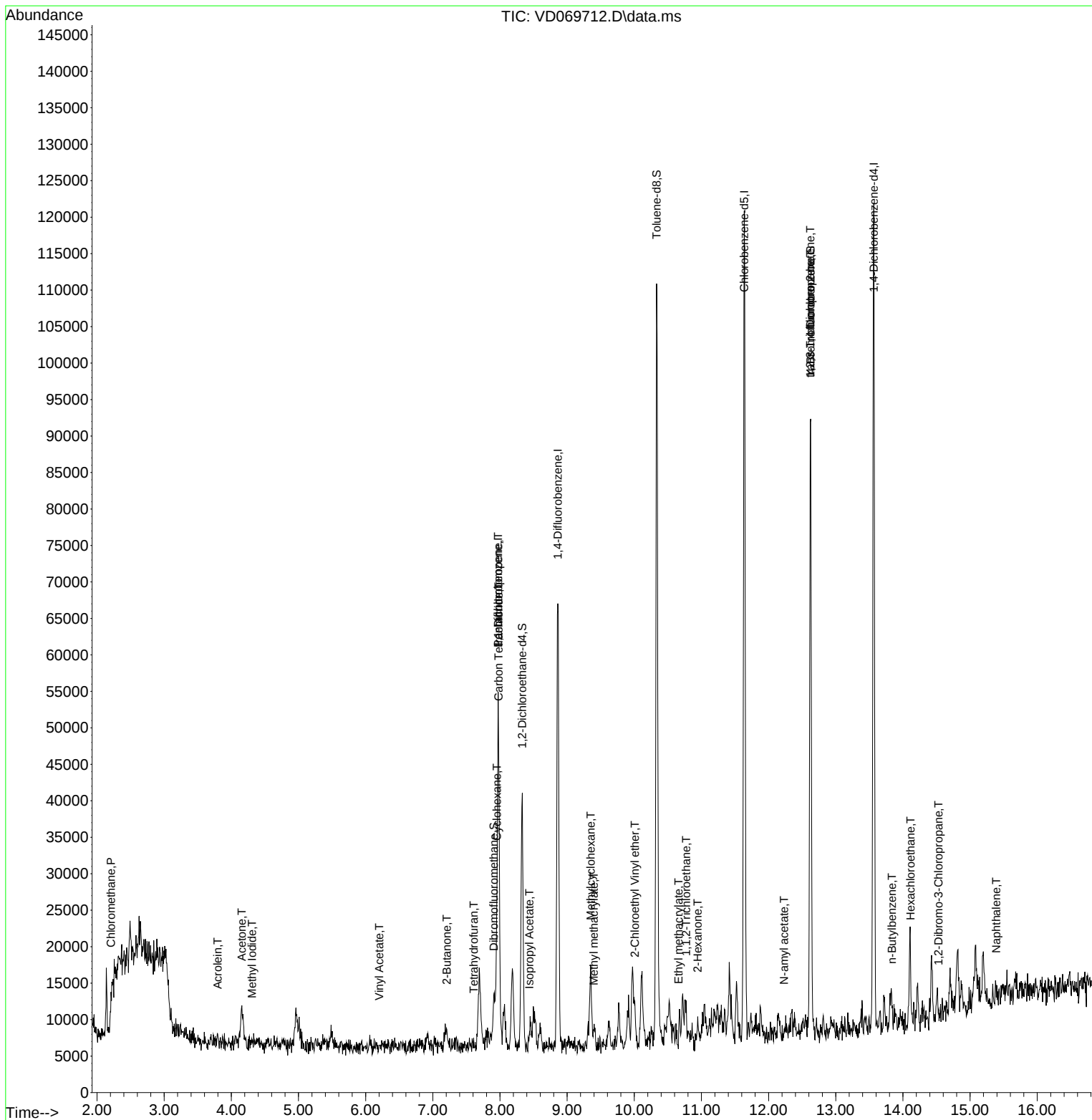
Quant Time: Jul 16 02:03:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 06:00:31 2021
 Response via : Initial Calibration

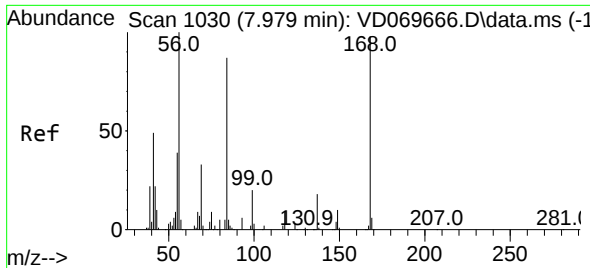
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	28749	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	51468	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	64387	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	29581	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	27184	75.728	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 151.460%			
35) Dibromofluoromethane	7.909	113	5089	14.738	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 29.480%#			
50) Toluene-d8	10.332	98	67842	50.574	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.140%			
62) 4-Bromofluorobenzene	12.626	95	29711	66.410	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 132.820%			
Target Compounds					Qvalue	
3) Chloromethane	2.209	50	568	1.114	ug/l #	76
5) Bromomethane	2.768	94	425	Below Cal	#	74
10) Methyl Iodide	4.309	142	60	2.628	ug/l #	39
13) Acrolein	3.797	56	67	2.707	ug/l #	82
16) Acetone	4.156	43	9944	139.435	ug/l #	81
18) Methyl Acetate	4.750	43	54	Below Cal	#	49
23) Vinyl Acetate	6.203	43	54	15.514	ug/l #	72
25) 2-Butanone	7.209	43	1927	22.713	ug/l #	47
29) Tetrahydrofuran	7.609	42	91	1.731	ug/l #	32
31) Cyclohexane	7.956	56	2740	4.856	ug/l #	49
36) 1,1-Dichloropropene	7.973	75	2755	5.189	ug/l #	45
38) Carbon Tetrachloride	7.979	117	3267	6.719	ug/l #	13
39) Methylcyclohexane	9.350	83	3005	6.511	ug/l #	92
43) Isopropyl Acetate	8.438	43	985	2.678	ug/l #	47
48) Methyl methacrylate	9.397	41	1130	6.891	ug/l #	35
55) 1,1,2-Trichloroethane	10.773	97	1117	4.065	ug/l #	26
56) Ethyl methacrylate	10.661	69	104	1.951	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.008	63	72	9.803	ug/l #	49
59) 2-Hexanone	10.944	43	1333	10.500	ug/l #	22
74) N-amyl acetate	12.232	43	509	1.112	ug/l #	49
76) 1,2,3-Trichloropropane	12.620	75	14937	51.978	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	14937	139.689	ug/l #	14
89) n-Butylbenzene	13.838	91	2755	1.492	ug/l	93
90) Hexachloroethane	14.114	117	819	2.159	ug/l #	18
92) 1,2-Dibromo-3-Chloropr...	14.532	75	69	1.104	ug/l #	8
95) Naphthalene	15.391	128	866	3.090	ug/l #	69

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

Quant Time: Jul 16 02:03:39 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

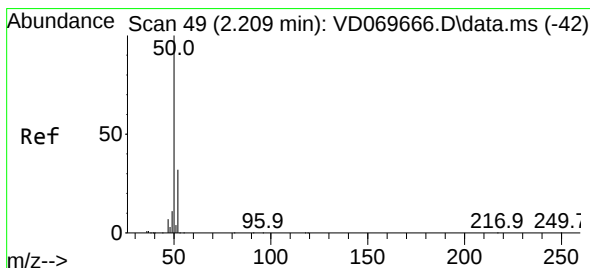
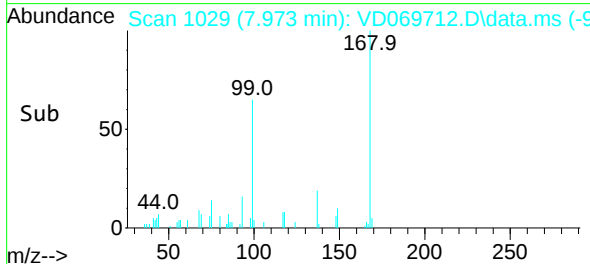
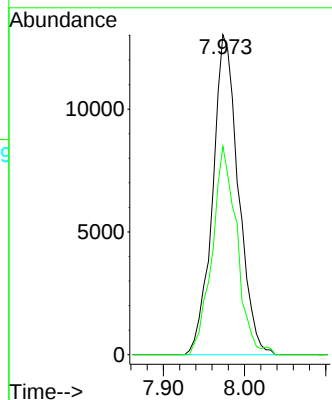
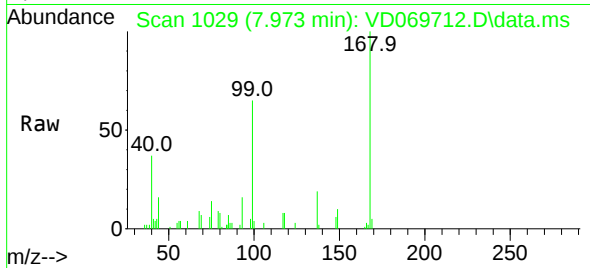




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD069712.D
Acq: 15 Jul 2021 17:32

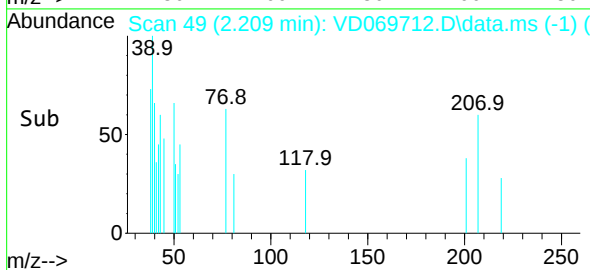
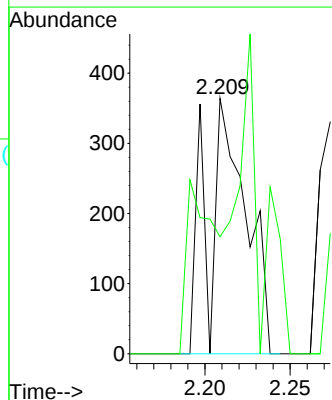
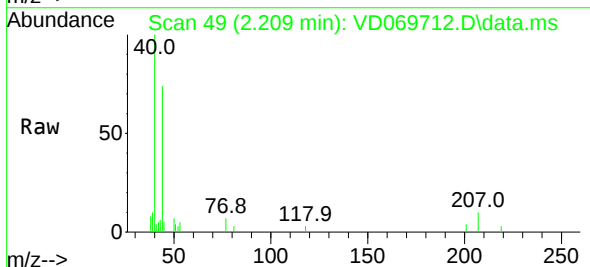
Instrument :
MSVOA_D
ClientSampled :

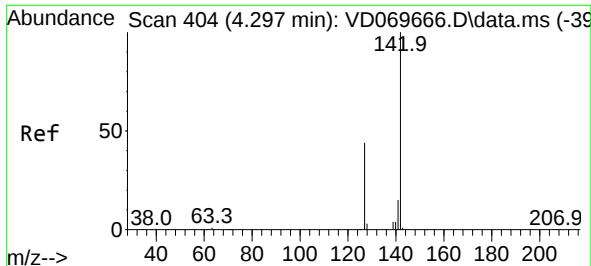
Tgt Ion:168 Resp: 28749
Ion Ratio Lower Upper
168 100
99 65.1 51.8 77.6



#3
Chloromethane
Concen: 1.114 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD069712.D
Acq: 15 Jul 2021 17:32

Tgt Ion: 50 Resp: 568
Ion Ratio Lower Upper
50 100
52 45.9 25.9 38.9#

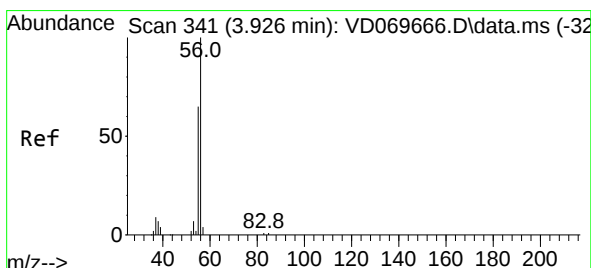
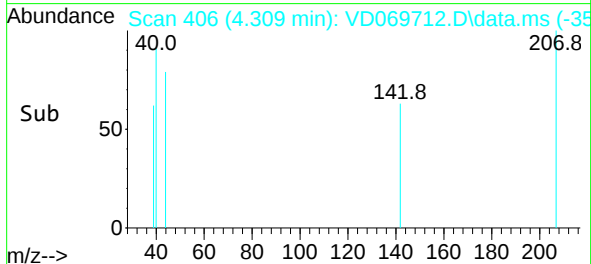
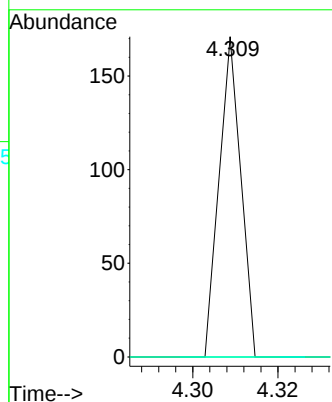
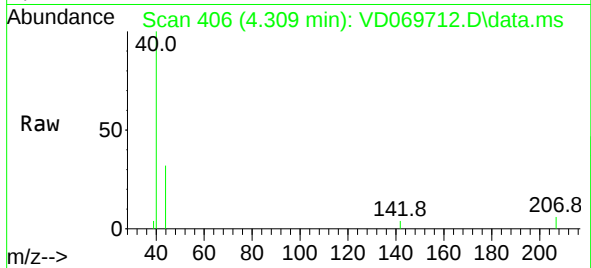




#10
Methyl Iodide
Concen: 2.628 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD069712.D
Acq: 15 Jul 2021 17:32

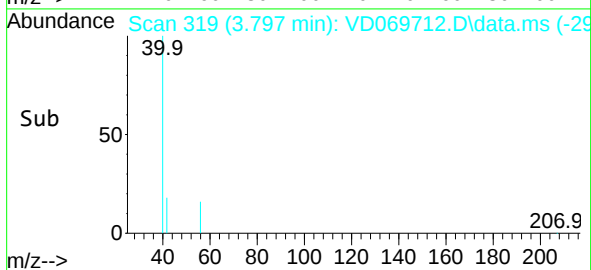
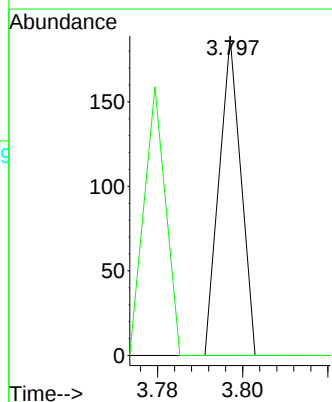
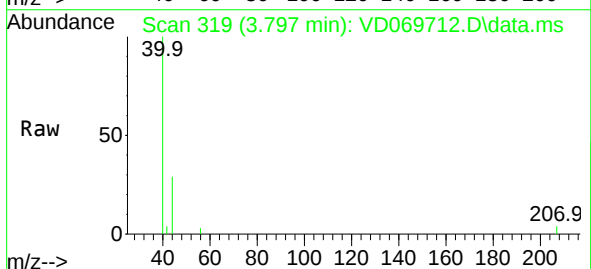
Instrument :
MSVOA_D
ClientSampleId :

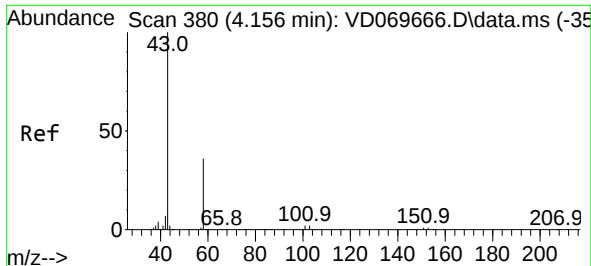
Tgt Ion:142 Resp: 60
Ion Ratio Lower Upper
142 100
127 0.0 36.1 54.1#
141 0.0 11.6 17.4#



#13
Acrolein
Concen: 2.707 ug/l
RT: 3.797 min Scan# 319
Delta R.T. -0.129 min
Lab File: VD069712.D
Acq: 15 Jul 2021 17:32

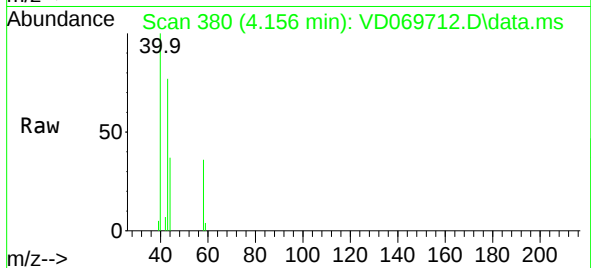
Tgt Ion: 56 Resp: 67
Ion Ratio Lower Upper
56 100
55 83.6 55.3 82.9#



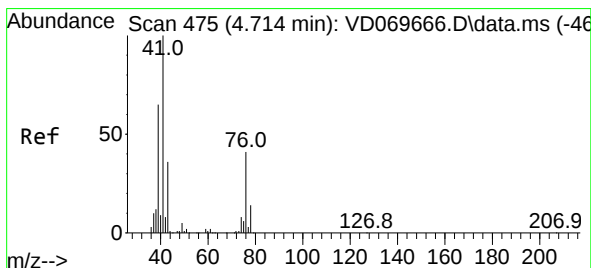
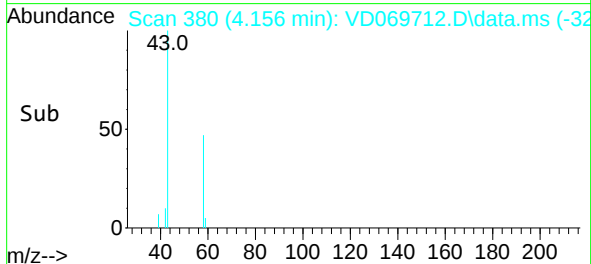
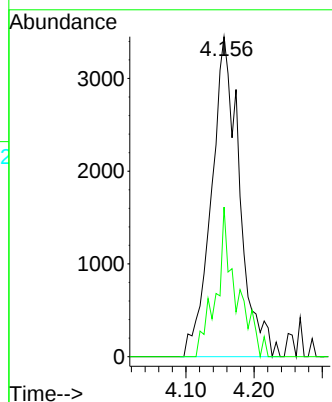


#16
Acetone
Concen: 139.435 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069712.D
Acq: 15 Jul 2021 17:32

Instrument :
MSVOA_D
ClientSampleId :

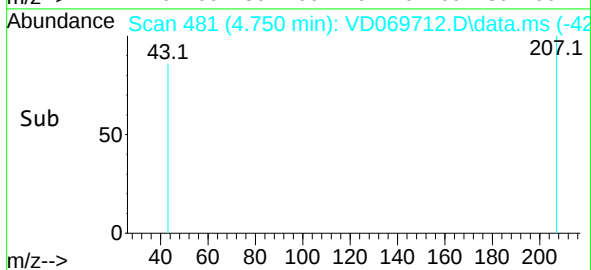
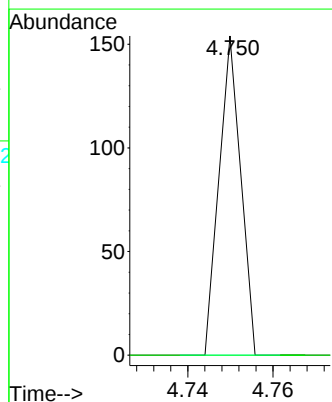
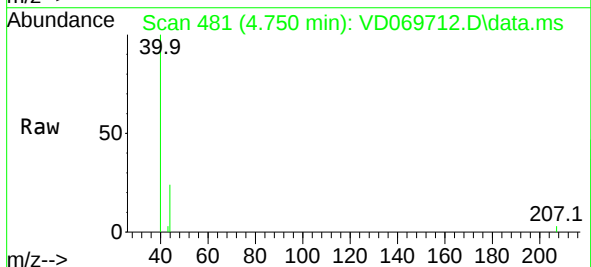


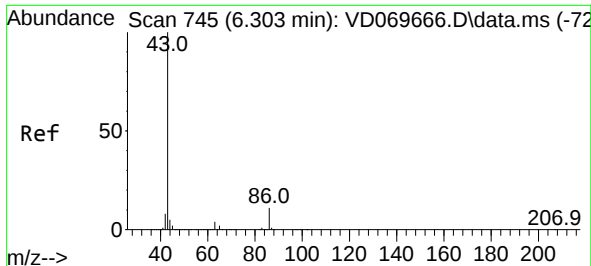
Tgt Ion: 43 Resp: 9944
Ion Ratio Lower Upper
43 100
58 46.7 28.6 42.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.750 min Scan# 481
Delta R.T. 0.036 min
Lab File: VD069712.D
Acq: 15 Jul 2021 17:32

Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#

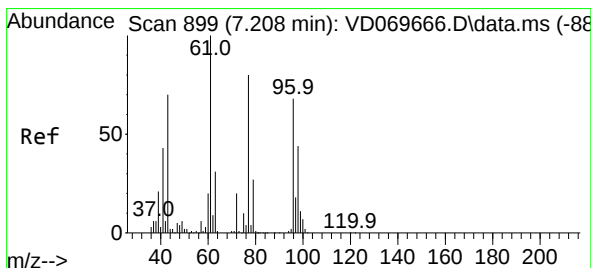
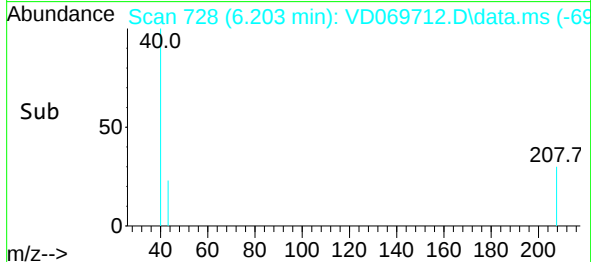
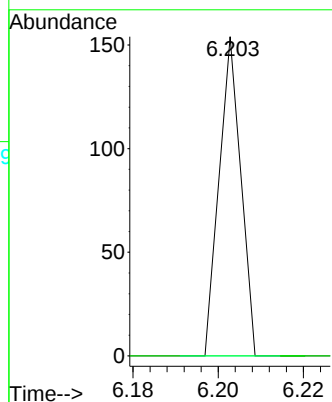
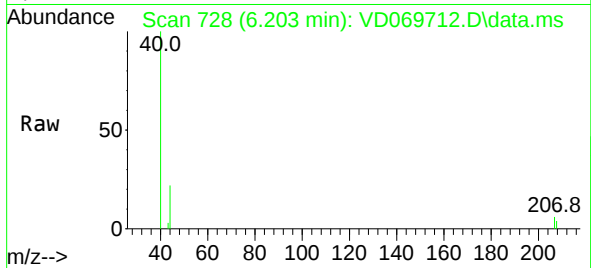




#23
 Vinyl Acetate
 Concen: 15.514 ug/l
 RT: 6.203 min Scan# 728
 Delta R.T. -0.100 min
 Lab File: VD069712.D
 Acq: 15 Jul 2021 17:32

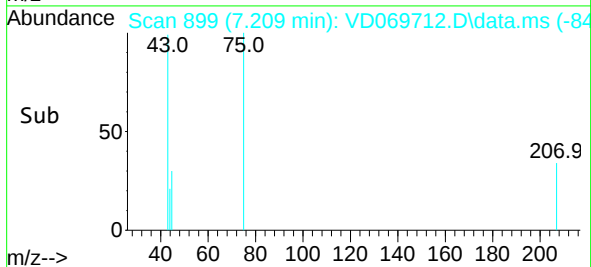
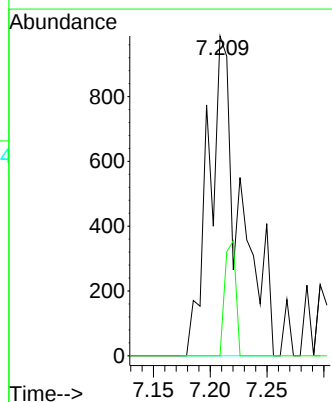
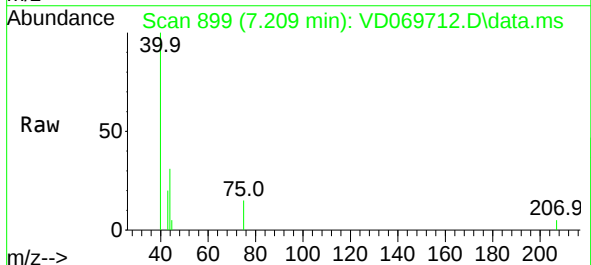
Instrument :
 MSVOA_D
 ClientSampled :

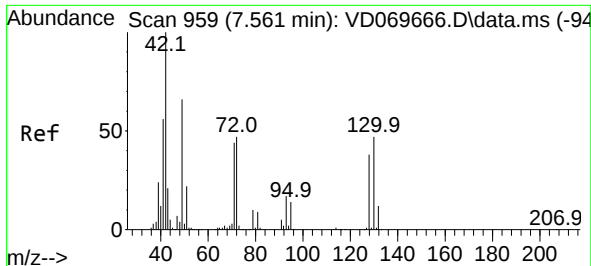
Tgt Ion: 43 Resp: 54
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 12.8#



#25
 2-Butanone
 Concen: 22.713 ug/l
 RT: 7.209 min Scan# 899
 Delta R.T. 0.001 min
 Lab File: VD069712.D
 Acq: 15 Jul 2021 17:32

Tgt Ion: 43 Resp: 1927
 Ion Ratio Lower Upper
 43 100
 72 0.0 22.6 33.8#





#29

Tetrahydrofuran

Concen: 1.731 ug/l

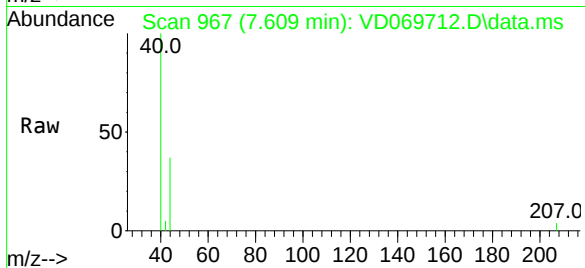
RT: 7.609 min Scan# 967

Delta R.T. 0.048 min

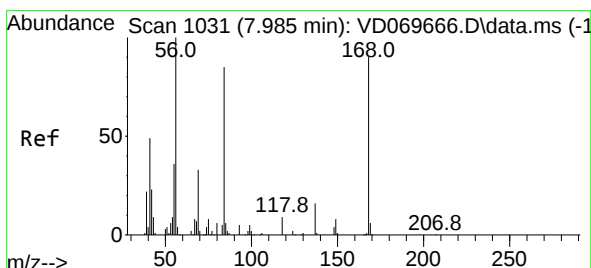
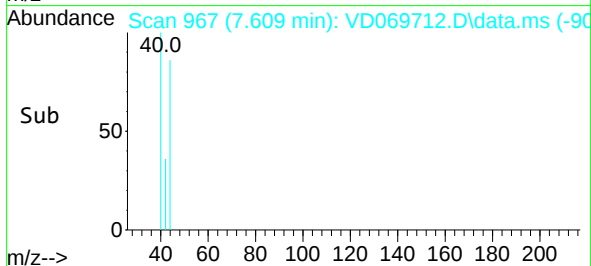
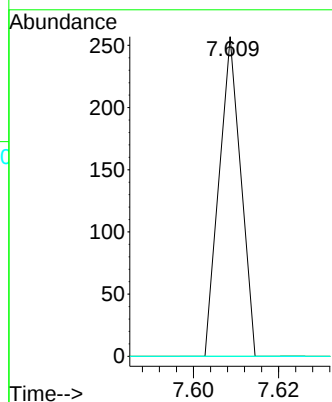
Lab File: VD069712.D

Acq: 15 Jul 2021 17:32

Instrument :
MSVOA_D
ClientSampled :



Tgt Ion:	42	Resp:	91
Ion Ratio	100	Lower	Upper
42	100		
72	0.0	36.5	54.7#
71	0.0	33.4	50.0#



#31

Cyclohexane

Concen: 4.856 ug/l

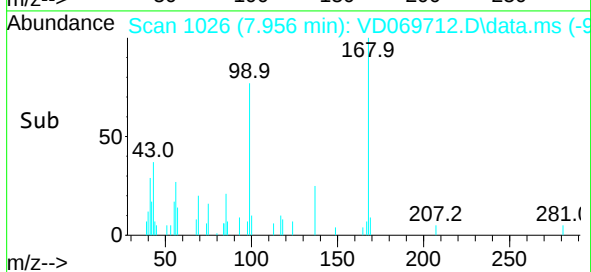
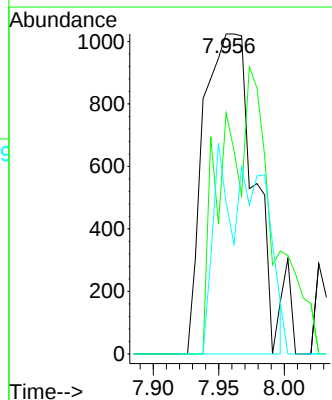
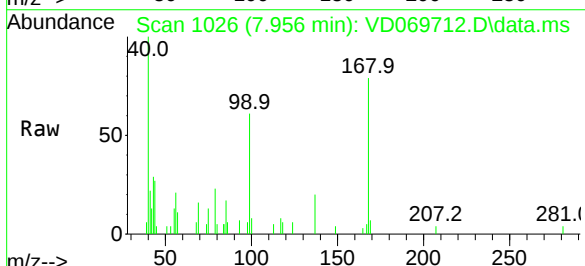
RT: 7.956 min Scan# 1026

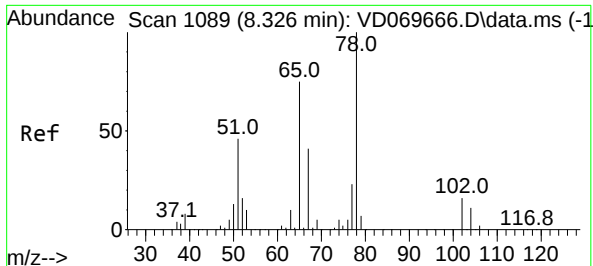
Delta R.T. -0.029 min

Lab File: VD069712.D

Acq: 15 Jul 2021 17:32

Tgt Ion:	56	Resp:	2740
Ion Ratio	100	Lower	Upper
56	100		
69	75.3	26.6	39.8#
84	47.3	68.2	102.2#

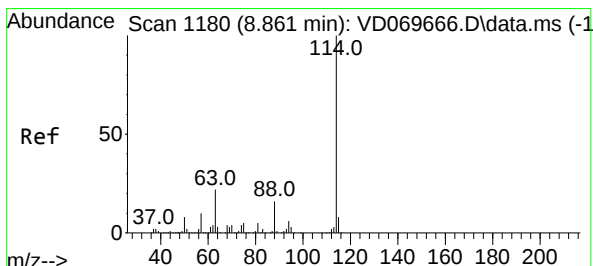
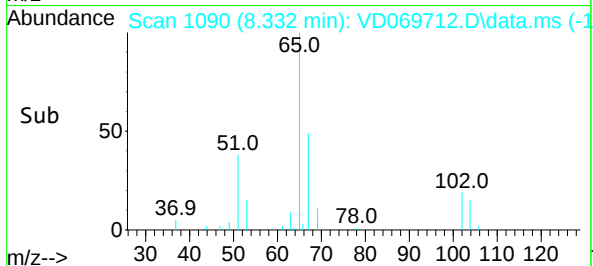
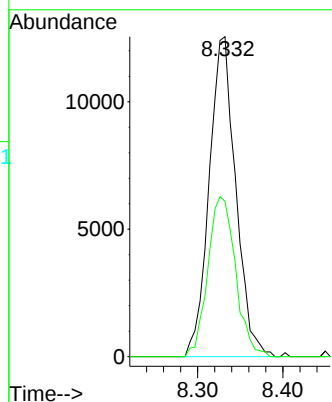
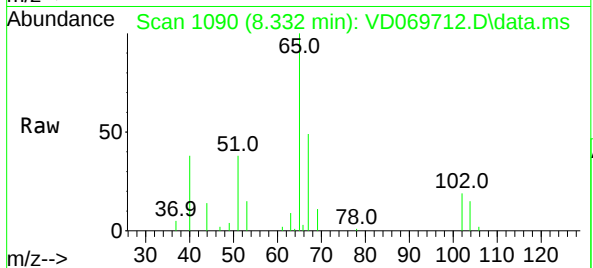




#33
1,2-Dichloroethane-d4
Concen: 75.728 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069712.D
Acq: 15 Jul 2021 17:32

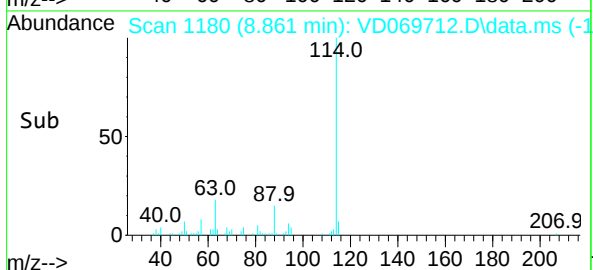
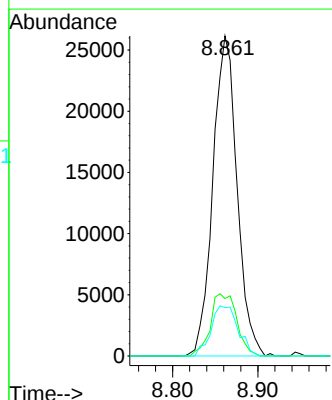
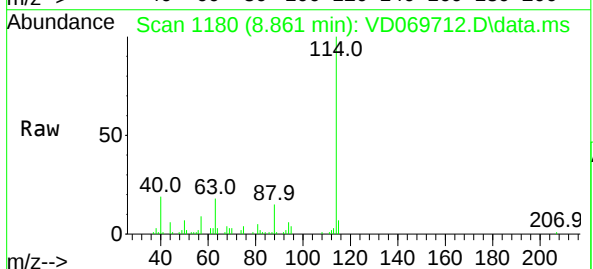
Instrument :
MSVOA_D
ClientSampleId :

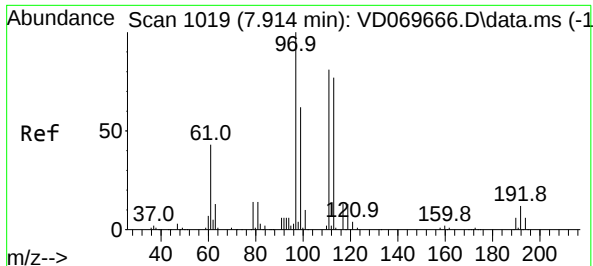
Tgt Ion: 65 Resp: 27184
Ion Ratio Lower Upper
65 100
67 52.1 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069712.D
Acq: 15 Jul 2021 17:32

Tgt Ion: 114 Resp: 51468
Ion Ratio Lower Upper
114 100
63 18.0 0.0 43.4
88 15.1 0.0 32.0





#35

Dibromofluoromethane

Concen: 14.738 ug/l

RT: 7.909 min Scan# 1018

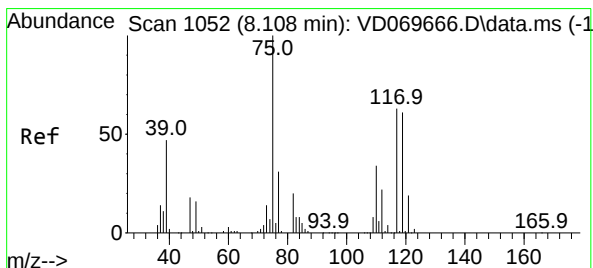
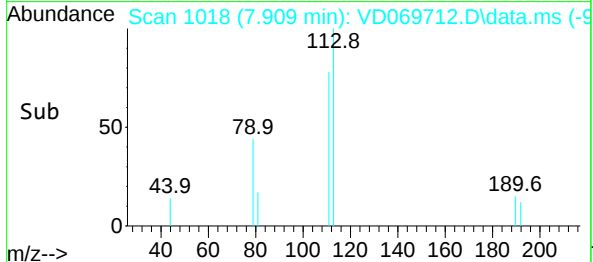
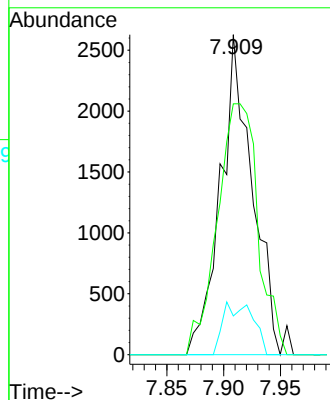
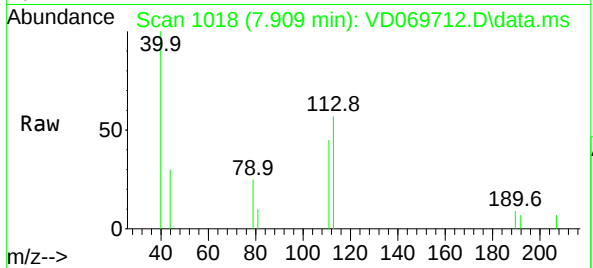
Delta R.T. -0.005 min

Lab File: VD069712.D

Acq: 15 Jul 2021 17:32

Tgt Ion:	113	Resp:	5089
Ion	Ratio	Lower	Upper
113	100		
111	100.9	82.6	123.8
192	15.4	12.7	19.1

Instrument :
MSVOA_D
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 5.189 ug/l

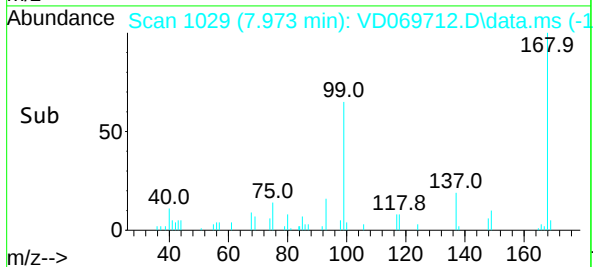
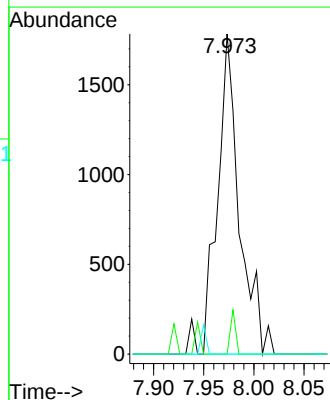
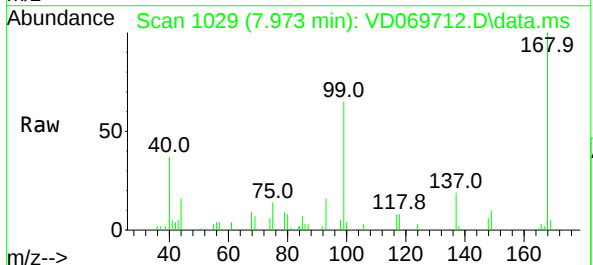
RT: 7.973 min Scan# 1029

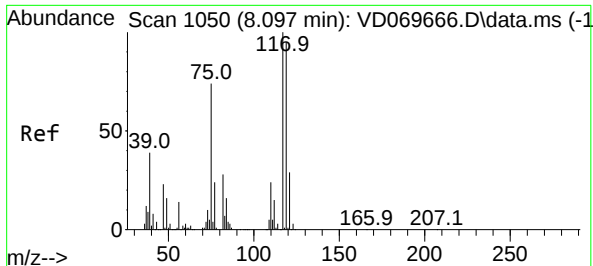
Delta R.T. -0.135 min

Lab File: VD069712.D

Acq: 15 Jul 2021 17:32

Tgt Ion:	75	Resp:	2755
Ion	Ratio	Lower	Upper
75	100		
110	3.2	16.7	50.0#
77	0.0	25.3	37.9#

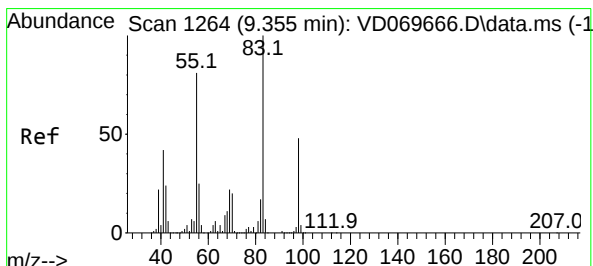
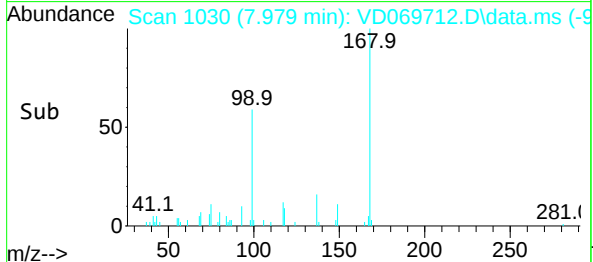
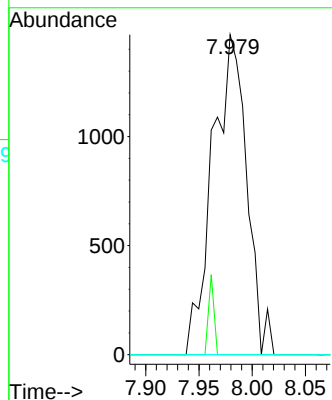
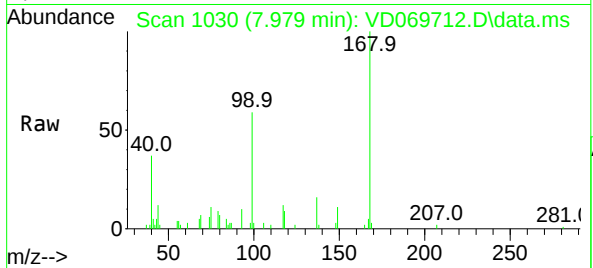




#38
Carbon Tetrachloride
Concen: 6.719 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069712.D
Acq: 15 Jul 2021 17:32

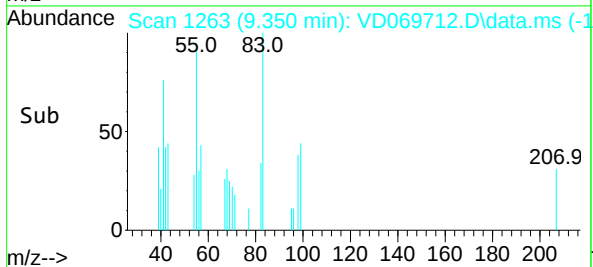
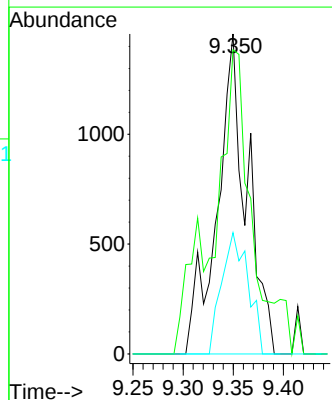
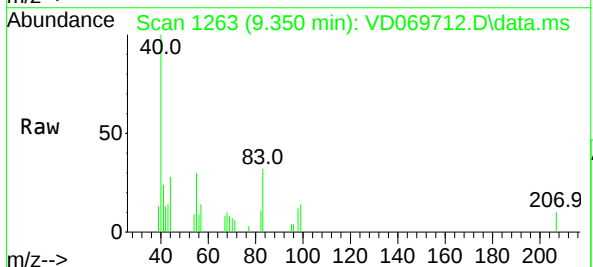
Instrument :
MSVOA_D
ClientSampleId :

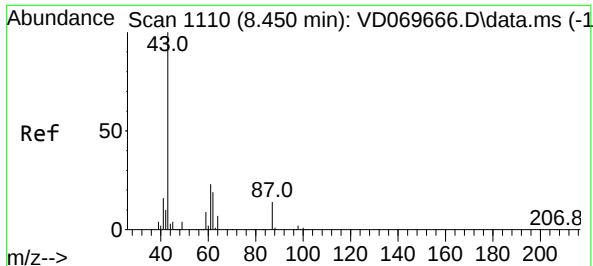
Tgt Ion:117 Resp: 3267
Ion Ratio Lower Upper
117 100
119 0.0 75.7 113.5#
121 0.0 23.0 34.6#



#39
Methylcyclohexane
Concen: 6.511 ug/l
RT: 9.350 min Scan# 1263
Delta R.T. -0.005 min
Lab File: VD069712.D
Acq: 15 Jul 2021 17:32

Tgt Ion: 83 Resp: 3005
Ion Ratio Lower Upper
83 100
55 83.5 64.6 97.0
98 37.9 38.4 57.6#

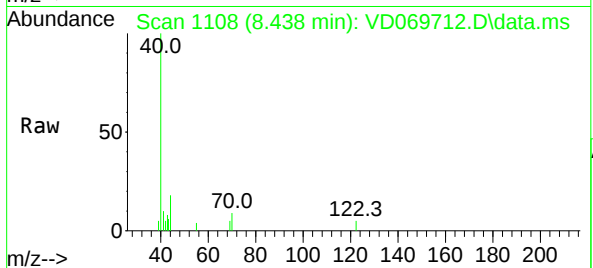




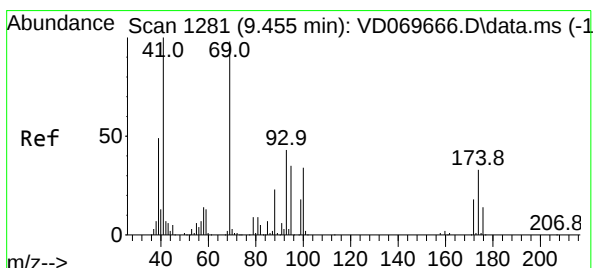
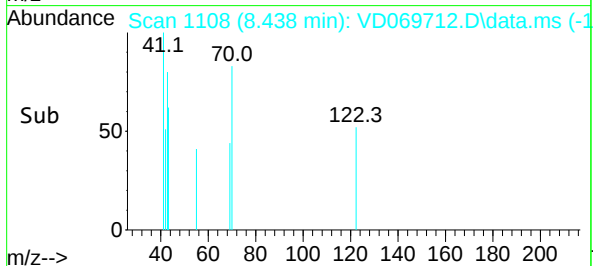
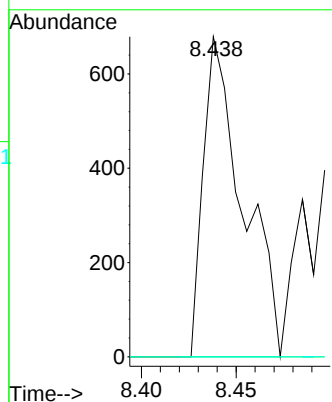
#43

Isopropyl Acetate
Concen: 2.678 ug/l
RT: 8.438 min Scan# 1108
Delta R.T. -0.012 min
Lab File: VD069712.D
Acq: 15 Jul 2021 17:32

Instrument :
MSVOA_D
ClientSampleId :



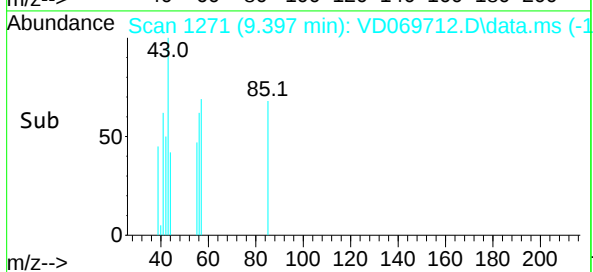
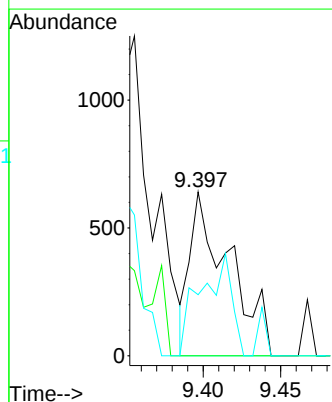
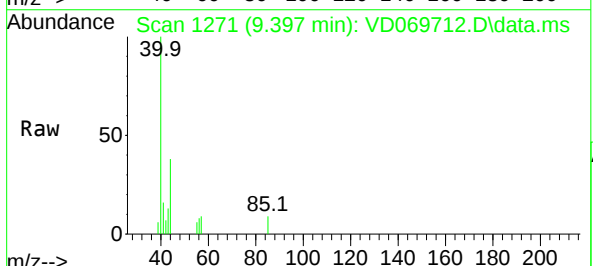
Tgt Ion: 43	Resp: 985
Ion Ratio	Lower Upper
43	100
61	0.0 27.8 41.6#
87	0.0 11.0 16.6#

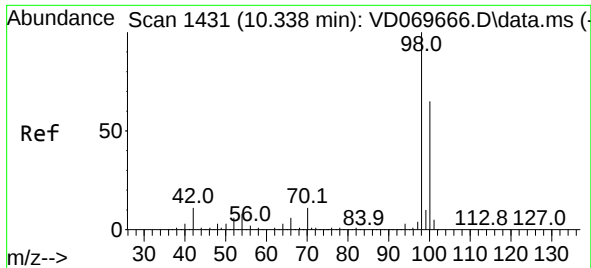


#48

Methyl methacrylate
Concen: 6.891 ug/l
RT: 9.397 min Scan# 1271
Delta R.T. -0.058 min
Lab File: VD069712.D
Acq: 15 Jul 2021 17:32

Tgt Ion: 41	Resp: 1130
Ion Ratio	Lower Upper
41	100
69	0.0 71.6 107.4#
39	49.9 36.7 55.1

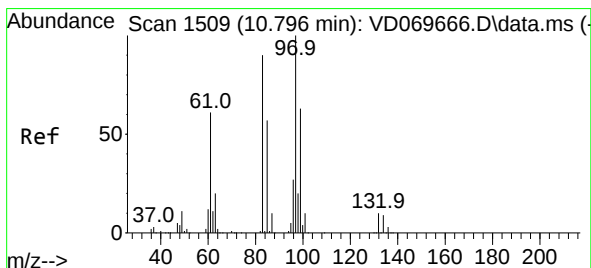
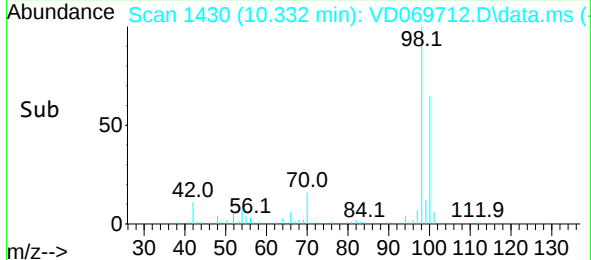
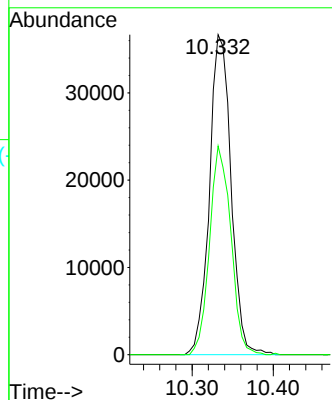
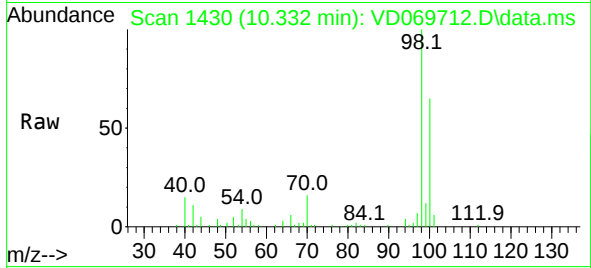




#50
Toluene-d8
Concen: 50.574 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD069712.D
Acq: 15 Jul 2021 17:32

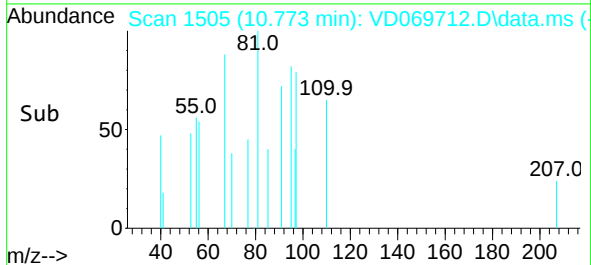
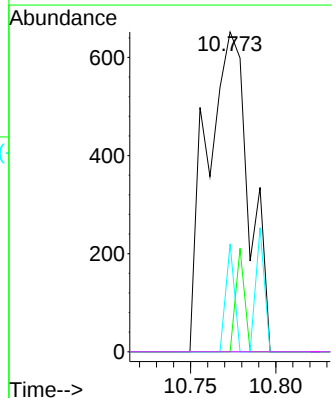
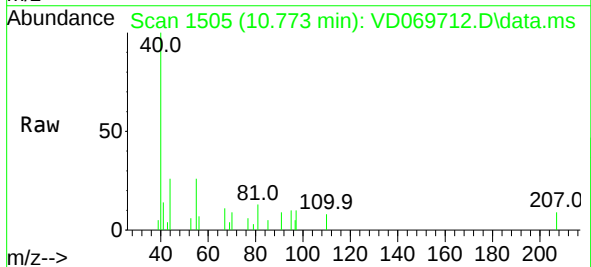
Instrument :
MSVOA_D
ClientSampleId :

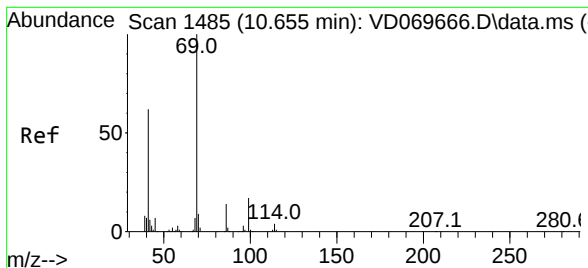
Tgt Ion: 98 Resp: 67842
Ion Ratio Lower Upper
98 100
100 64.0 52.2 78.2



#55
1,1,2-Trichloroethane
Concen: 4.065 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. -0.023 min
Lab File: VD069712.D
Acq: 15 Jul 2021 17:32

Tgt Ion: 97 Resp: 1117
Ion Ratio Lower Upper
97 100
83 0.0 72.3 108.5#
85 33.7 45.5 68.3#
99 0.0 49.9 74.9#

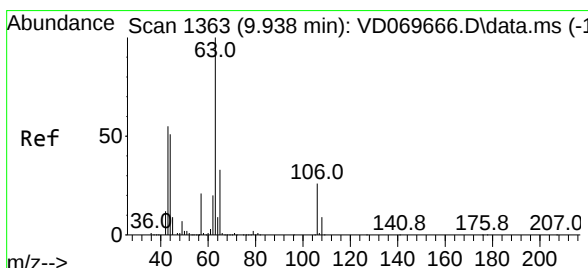
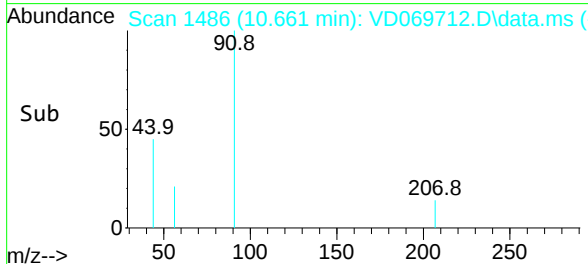
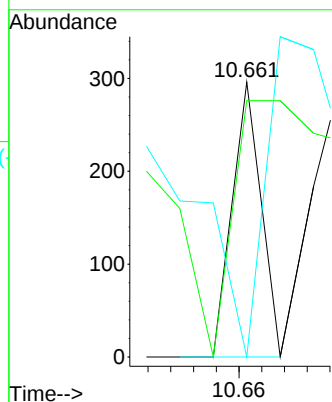
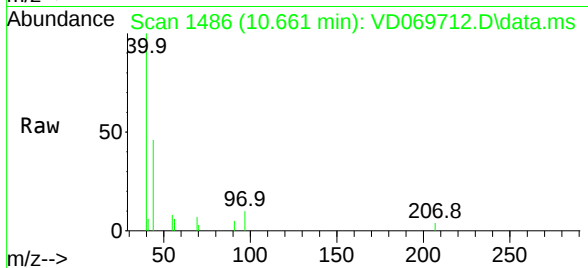




#56
Ethyl methacrylate
Concen: 1.951 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD069712.D
Acq: 15 Jul 2021 17:32

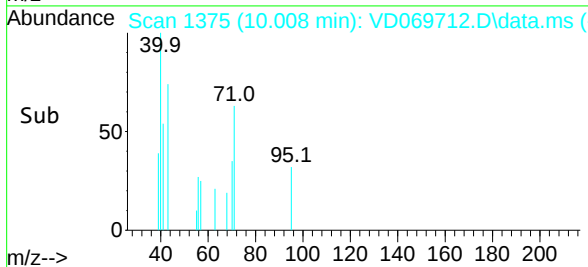
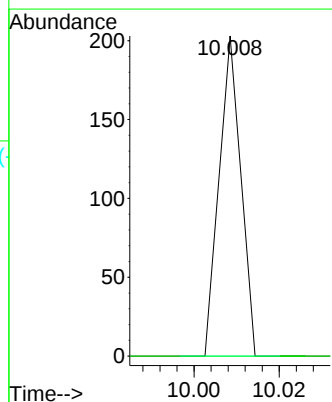
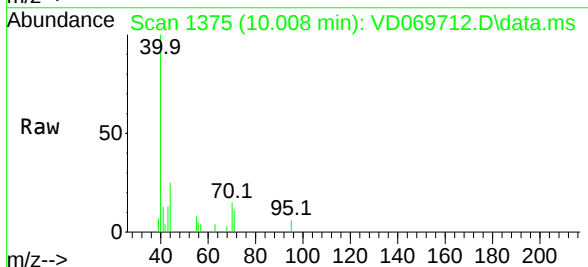
Instrument :
MSVOA_D
ClientSampled :

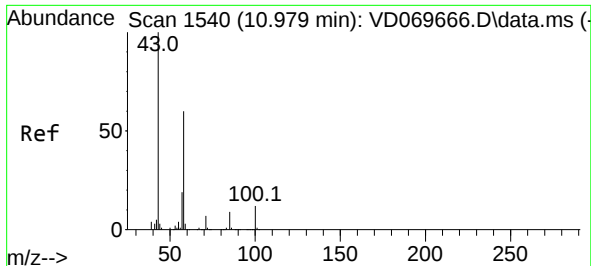
Tgt Ion: 69 Resp: 104
Ion Ratio Lower Upper
69 100
41 349.0 49.5 74.3#
39 440.4 22.5 33.7#



#58
2-Chloroethyl Vinyl ether
Concen: 9.803 ug/l
RT: 10.008 min Scan# 1375
Delta R.T. 0.070 min
Lab File: VD069712.D
Acq: 15 Jul 2021 17:32

Tgt Ion: 63 Resp: 72
Ion Ratio Lower Upper
63 100
106 0.0 21.1 31.7#

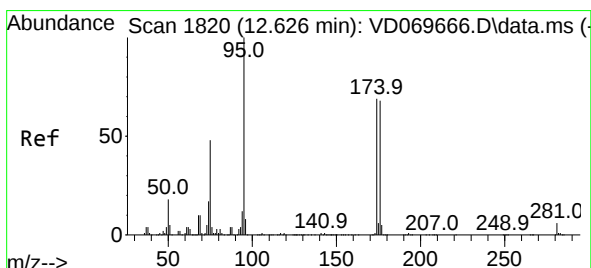
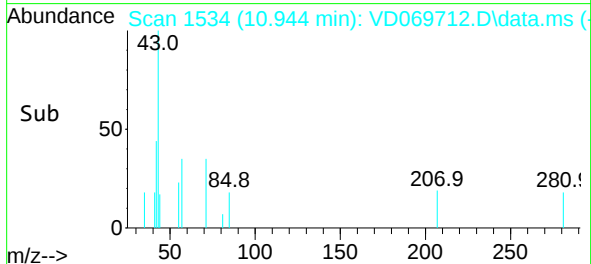
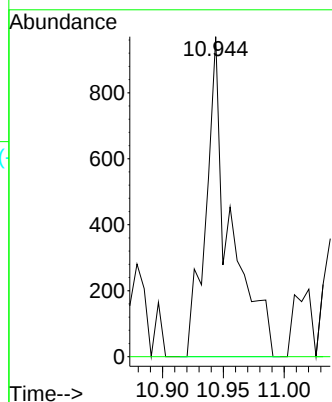
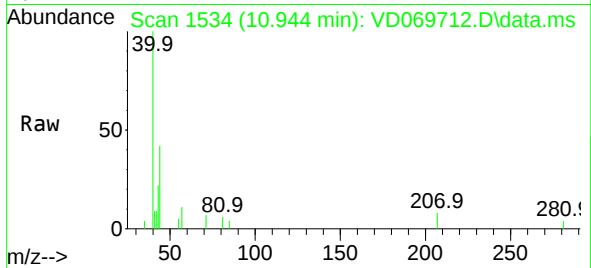




#59
2-Hexanone
Concen: 10.500 ug/l
RT: 10.944 min Scan# 1534
Delta R.T. -0.035 min
Lab File: VD069712.D
Acq: 15 Jul 2021 17:32

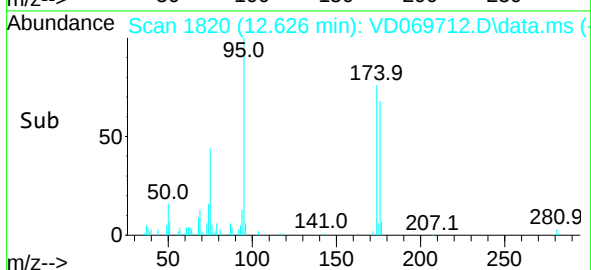
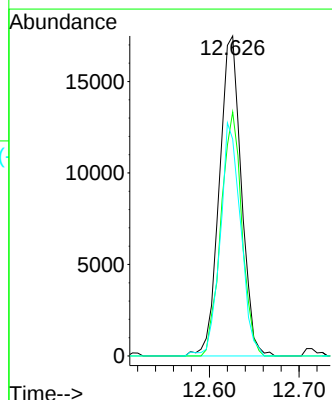
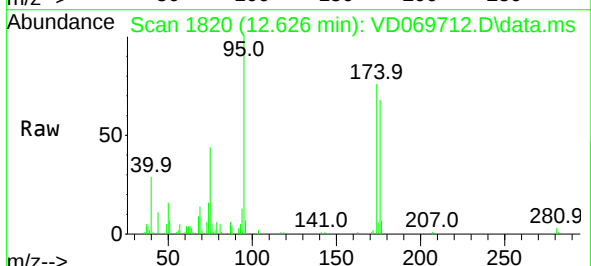
Instrument :
MSVOA_D
ClientSampleId :

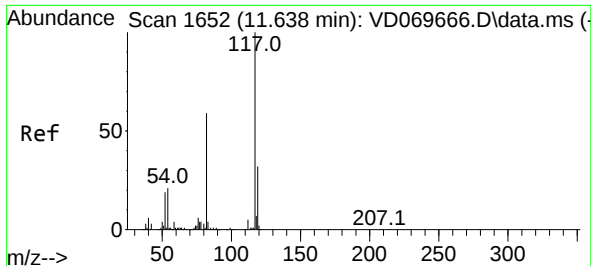
Tgt Ion: 43 Resp: 1333
Ion Ratio Lower Upper
43 100
58 0.0 29.1 87.4#



#62
4-Bromofluorobenzene
Concen: 66.410 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069712.D
Acq: 15 Jul 2021 17:32

Tgt Ion: 95 Resp: 29711
Ion Ratio Lower Upper
95 100
174 72.4 0.0 140.0
176 68.0 0.0 136.2

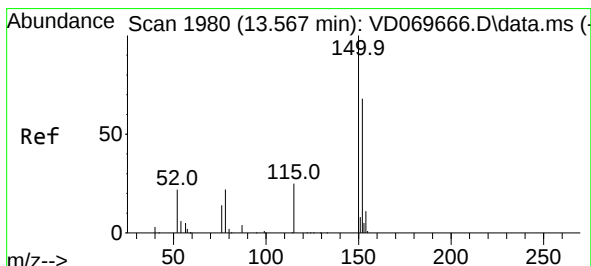
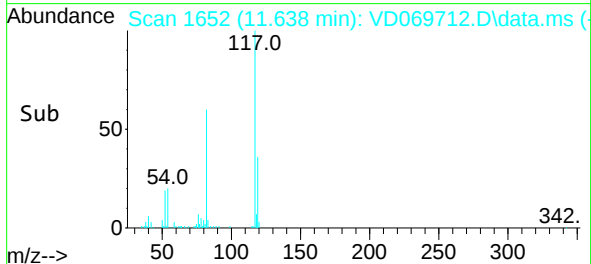
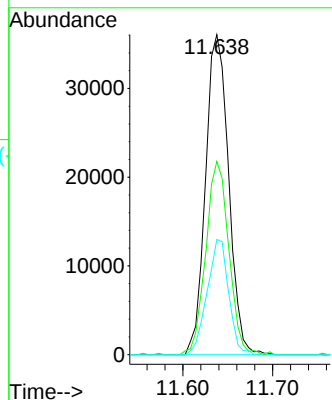
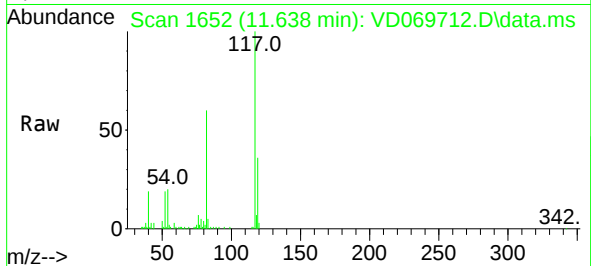




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069712.D
Acq: 15 Jul 2021 17:32

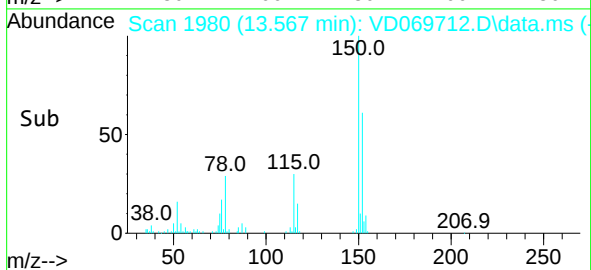
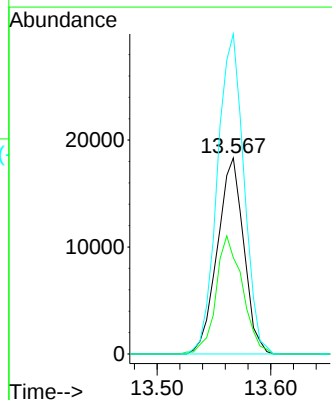
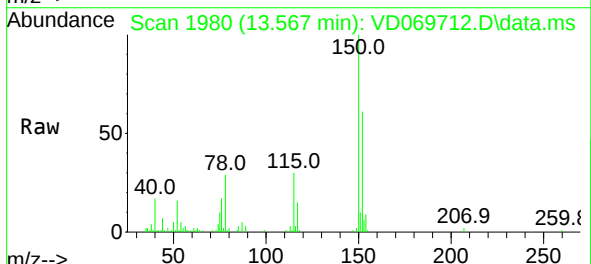
Instrument :
MSVOA_D
ClientSampleId :

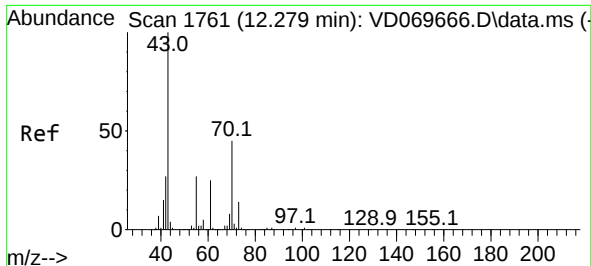
Tgt Ion:117 Resp: 64387
Ion Ratio Lower Upper
117 100
82 60.4 47.4 71.2
119 36.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069712.D
Acq: 15 Jul 2021 17:32

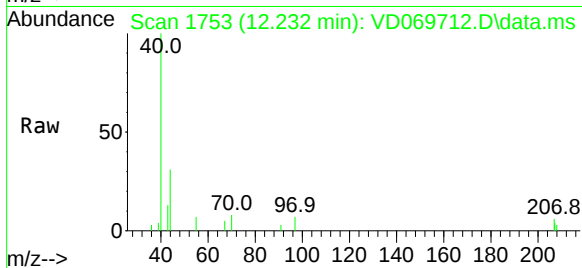
Tgt Ion:152 Resp: 29581
Ion Ratio Lower Upper
152 100
115 60.4 31.7 95.1
150 164.4 0.0 350.4





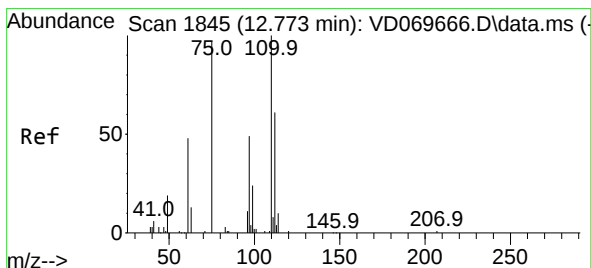
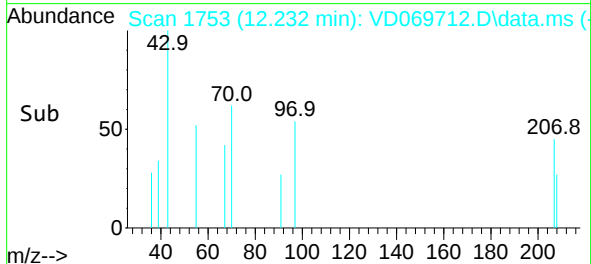
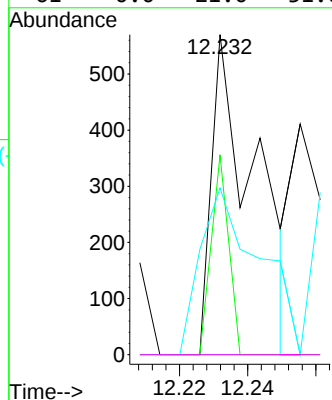
#74
N-amy1 acetate
Concen: 1.112 ug/l
RT: 12.232 min Scan# 1753
Delta R.T. -0.047 min
Lab File: VD069712.D
Acq: 15 Jul 2021 17:32

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 43 Resp: 509

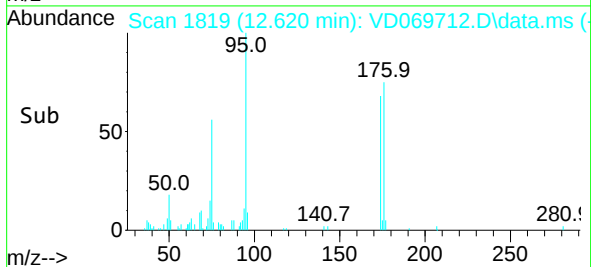
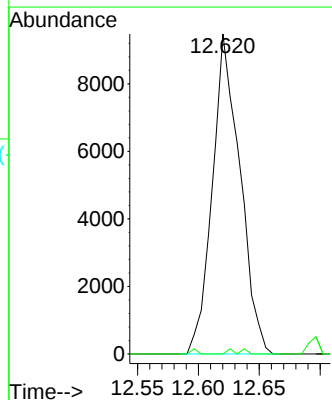
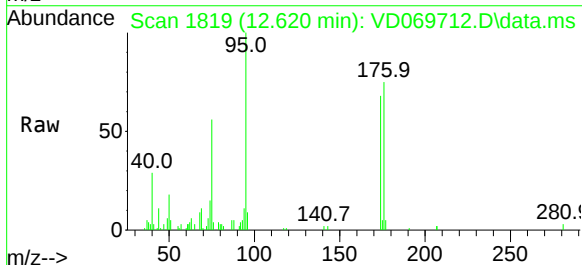
Ion	Ratio	Lower	Upper
43	100		
70	24.8	36.9	55.3#
55	70.1	22.4	33.6#
61	0.0	21.0	31.6#

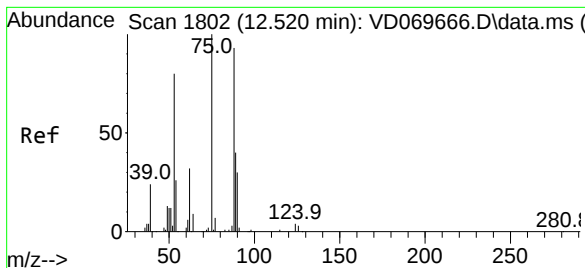


#76
1,2,3-Trichloropropane
Concen: 51.978 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD069712.D
Acq: 15 Jul 2021 17:32

Tgt Ion: 75 Resp: 14937

Ion	Ratio	Lower	Upper
75	100		
77	0.7	0.0	0.0#

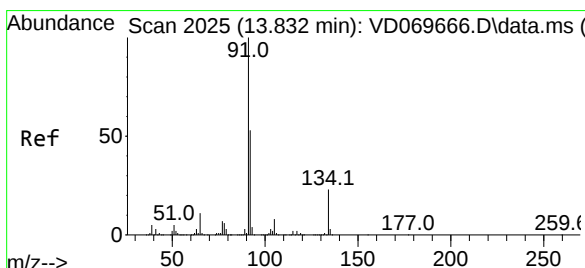
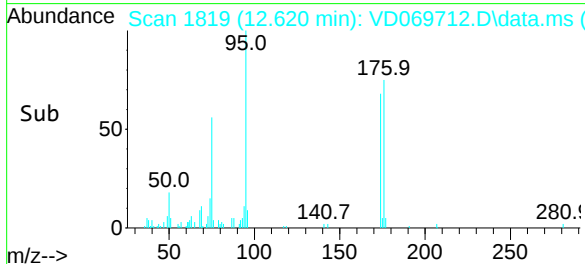
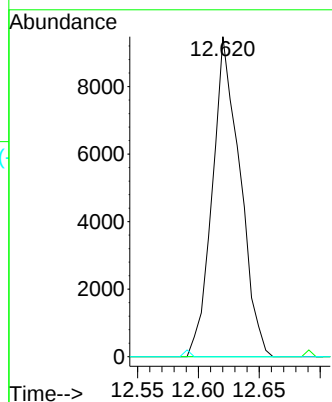
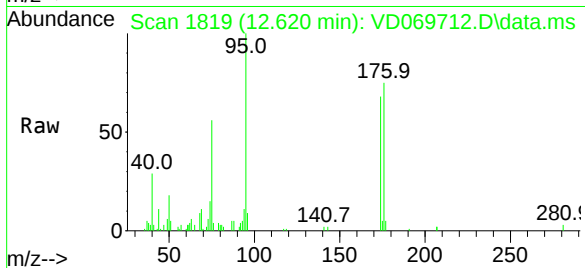




#81
trans-1,4-Dichloro-2-butene
Concen: 139.689 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD069712.D
Acq: 15 Jul 2021 17:32

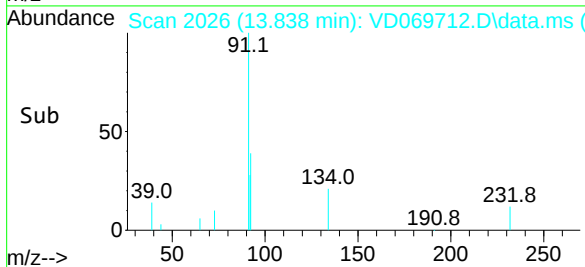
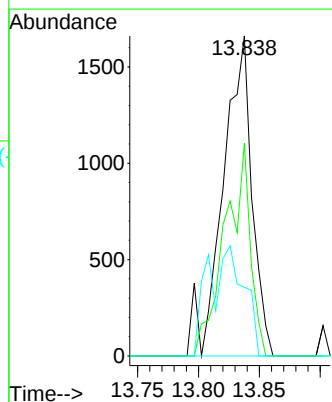
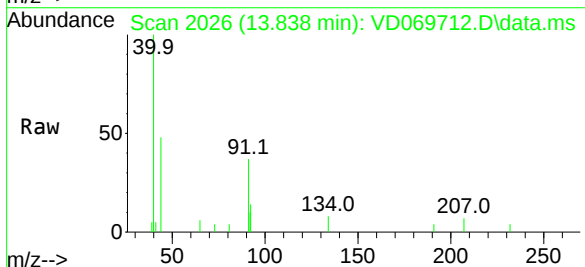
Instrument :
MSVOA_D
ClientSampleId :

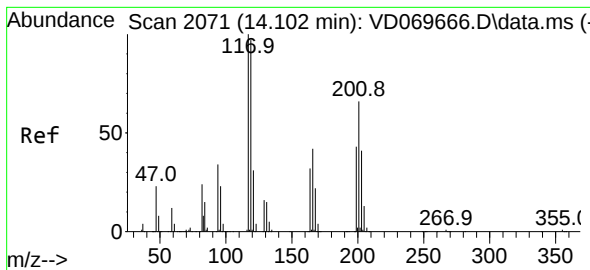
Tgt Ion: 75 Resp: 14937
Ion Ratio Lower Upper
75 100
53 0.0 70.6 106.0#
89 0.0 35.1 52.7#



#89
n-Butylbenzene
Concen: 1.492 ug/l
RT: 13.838 min Scan# 2026
Delta R.T. 0.006 min
Lab File: VD069712.D
Acq: 15 Jul 2021 17:32

Tgt Ion: 91 Resp: 2755
Ion Ratio Lower Upper
91 100
92 58.0 26.6 79.8
134 27.5 11.7 35.1

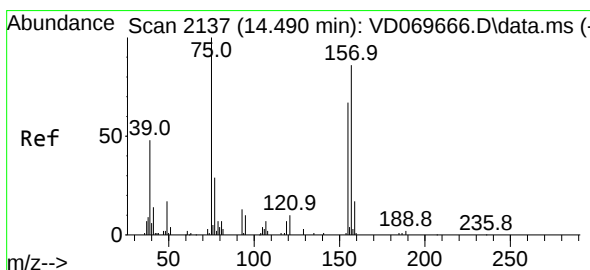
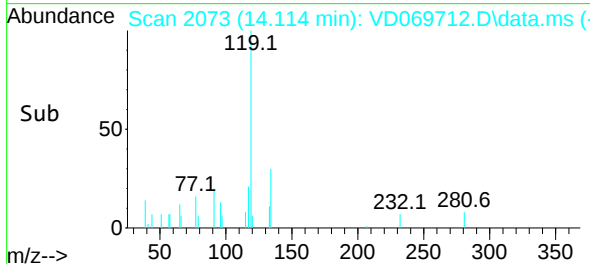
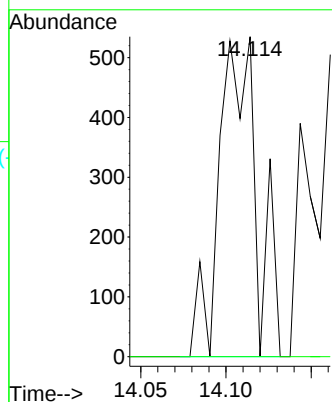
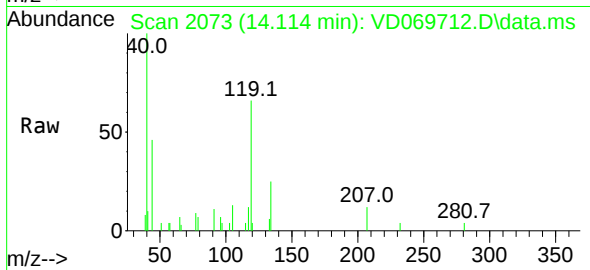




#90
Hexachloroethane
Concen: 2.159 ug/l
RT: 14.114 min Scan# 2073
Delta R.T. 0.012 min
Lab File: VD069712.D
Acq: 15 Jul 2021 17:32

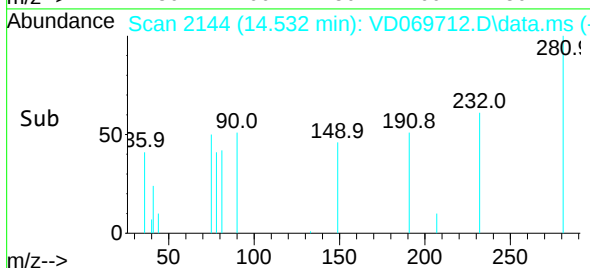
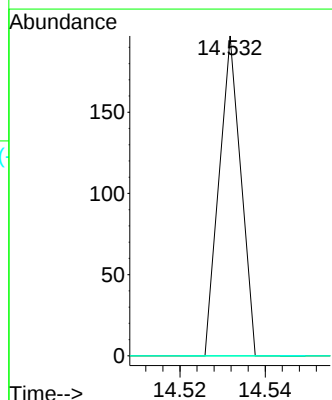
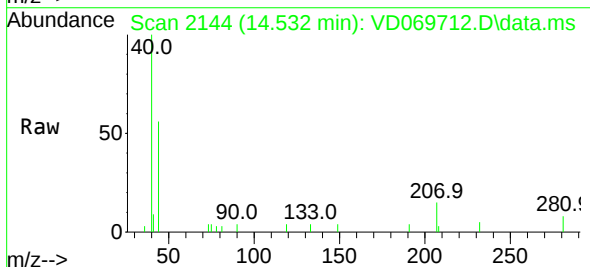
Instrument :
MSVOA_D
ClientSampleId :

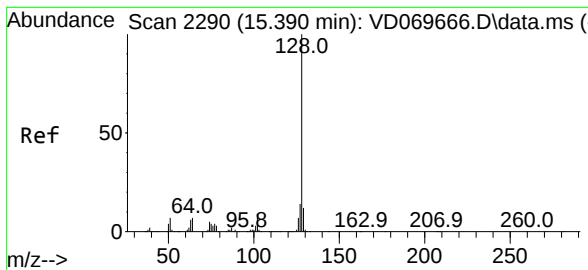
Tgt Ion:117 Resp: 819
Ion Ratio Lower Upper
117 100
201 0.0 31.9 95.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.104 ug/l
RT: 14.532 min Scan# 2144
Delta R.T. 0.042 min
Lab File: VD069712.D
Acq: 15 Jul 2021 17:32

Tgt Ion: 75 Resp: 69
Ion Ratio Lower Upper
75 100
155 0.0 35.9 107.7#
157 0.0 45.6 136.9#





#95
Naphthalene
Concen: 3.090 ug/l
RT: 15.391 min Scan# 2290
Delta R.T. 0.001 min
Lab File: VD069712.D
Acq: 15 Jul 2021 17:32

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 866
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.8 13.2#

