

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071921\
 Data File : VN067804.D
 Acq On : 19 Jul 2021 19:39
 Operator : JC/MD
 Sample : M3088-09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 20 04:54:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 07 16:18:53 2021
 Response via : Initial Calibration

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

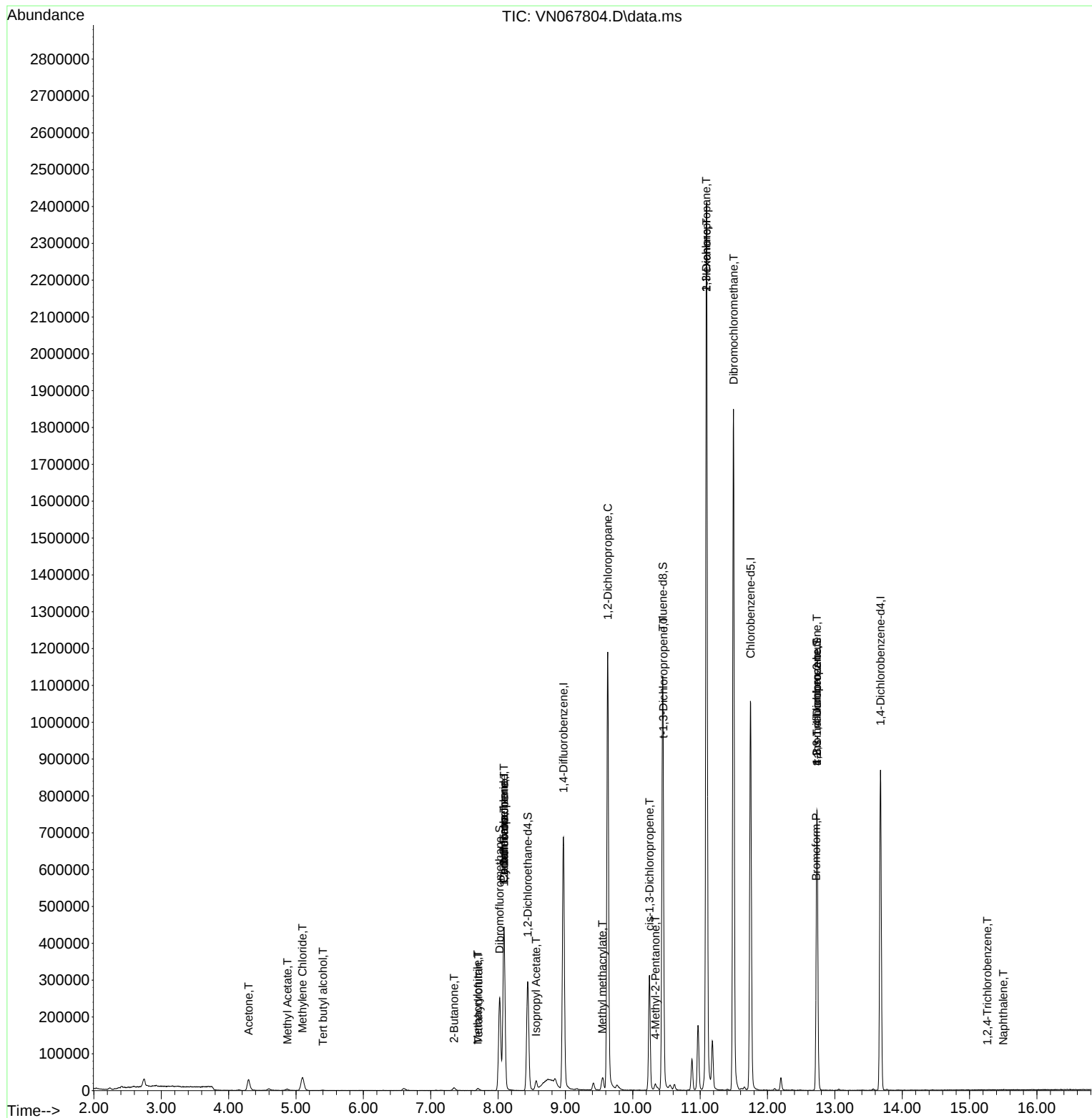
Internal Standards						
1) Pentafluorobenzene	8.088	168	315940	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	606020	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	608274	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	227780	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	251405	52.652	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 105.300%			
35) Dibromofluoromethane	8.024	113	183202	50.036	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.080%			
50) Toluene-d8	10.446	98	784163	51.166	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.340%			
62) 4-Bromofluorobenzene	12.734	95	268496	49.594	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 99.180%			
Target Compounds					Qvalue	
5) Bromomethane	2.818	94	91	Below Cal	#	4
6) Chloroethane	2.845	64	50	Below Cal	#	1
11) Tert butyl alcohol	5.398	59	672	0.979	ug/l #	71
13) Acrolein	4.036	56	81	Below Cal	#	51
16) Acetone	4.296	43	54048	35.973	ug/l	92
18) Methyl Acetate	4.873	43	7150	1.694	ug/l #	67
20) Methylene Chloride	5.095	84	28753	7.608	ug/l	87
25) 2-Butanone	7.345	43	11603	4.651	ug/l #	80
29) Tetrahydrofuran	7.708	42	3597	2.192	ug/l	91
31) Cyclohexane	8.088	56	8490	1.268	ug/l #	16
36) 1,1-Dichloropropene	8.091	75	28653	5.090	ug/l #	46
38) Carbon Tetrachloride	8.088	117	35182	6.336	ug/l #	18
41) Methacrylonitrile	7.697	41	2548	0.909	ug/l #	48
43) Isopropyl Acetate	8.566	43	31219	3.254	ug/l #	89
45) 1,2-Dichloropropane	9.631	63	1514	0.355	ug/l #	44
48) Methyl methacrylate	9.547	41	9716	2.290	ug/l #	26
51) 4-Methyl-2-Pentanone	10.336	43	10559	1.791	ug/l	90
53) t-1,3-Dichloropropene	10.454	75	24	1.748	ug/l #	1
54) cis-1,3-Dichloropropene	10.247	75	54966	8.352	ug/l #	60
57) 1,3-Dichloropropane	11.092	76	25968	3.580	ug/l #	43
59) 2-Hexanone	11.095	43	389624	94.699	ug/l #	53
60) Dibromochloromethane	11.497	129	212	2.396	ug/l #	11
71) Bromoform	12.723	173	339	3.257	ug/l #	29
76) 1,2,3-Trichloropropane	12.734	75	148885	32.007	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	148885	103.193	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.263	180	51	2.687	ug/l #	12
95) Naphthalene	15.501	128	512	3.055	ug/l #	69

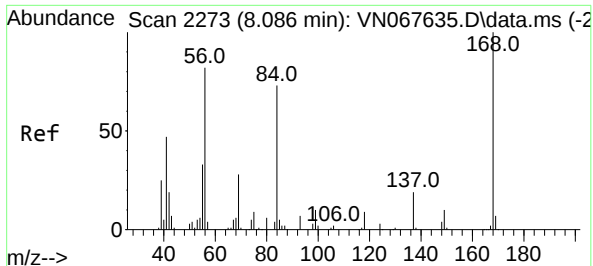
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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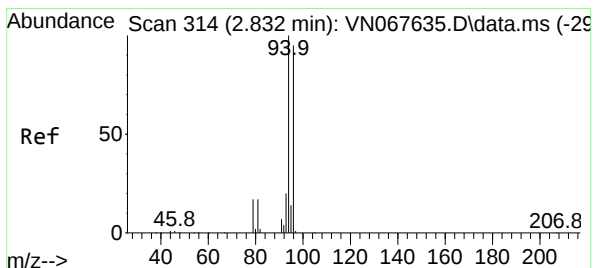
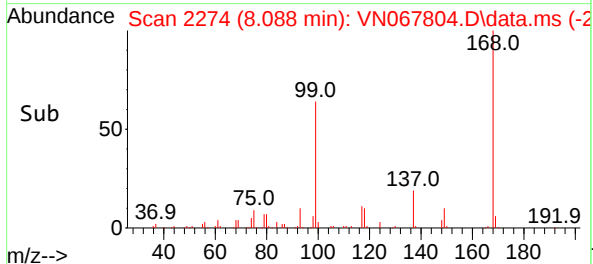
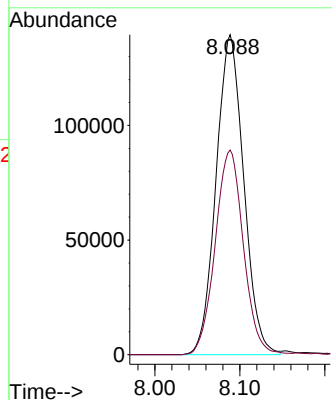
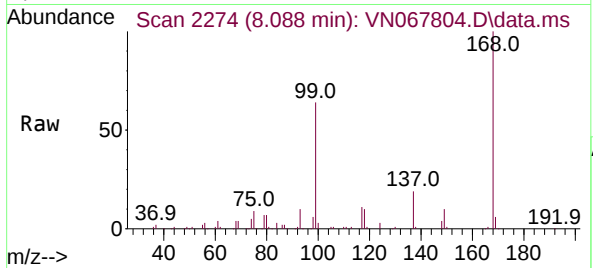




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067804.D
Acq: 19 Jul 2021 19:39

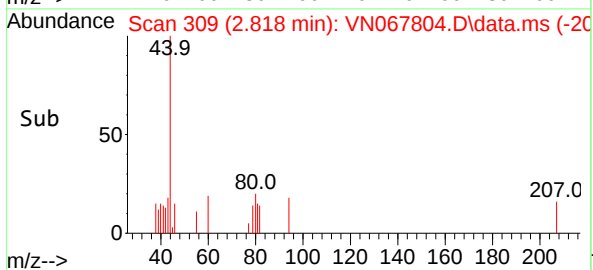
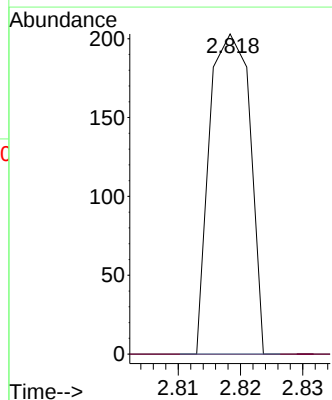
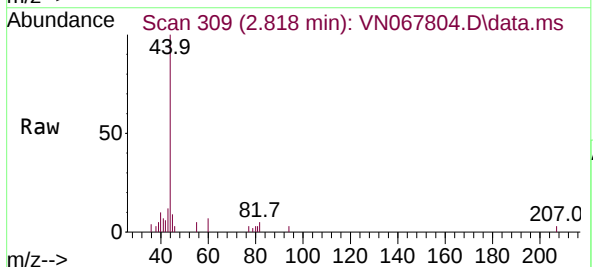
Instrument :
MSVOA_N
ClientSampled :

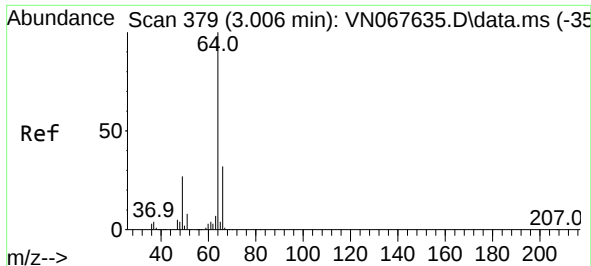
Tgt Ion:168 Resp: 315940
Ion Ratio Lower Upper
168 100
99 63.9 62.9 94.3



#5
Bromomethane
Concen: Below Cal
RT: 2.818 min Scan# 309
Delta R.T. -0.014 min
Lab File: VN067804.D
Acq: 19 Jul 2021 19:39

Tgt Ion: 94 Resp: 91
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

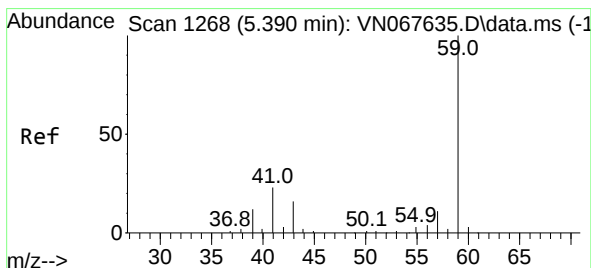
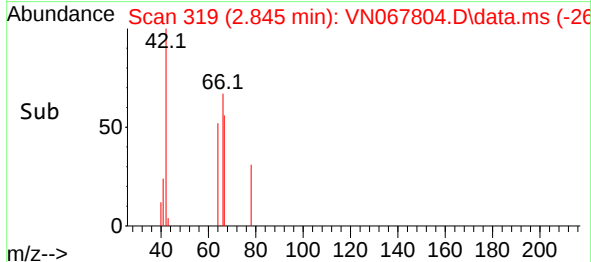
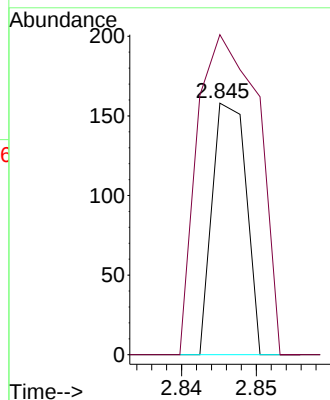
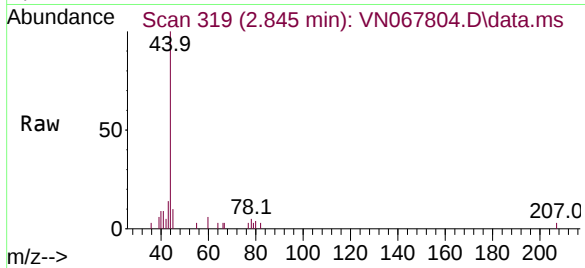




#6
Chloroethane
Concen: Below Cal
RT: 2.845 min Scan# 319
Delta R.T. -0.161 min
Lab File: VN067804.D
Acq: 19 Jul 2021 19:39

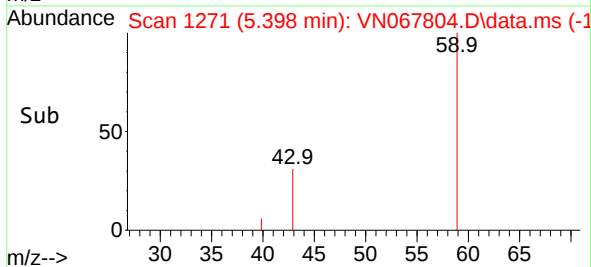
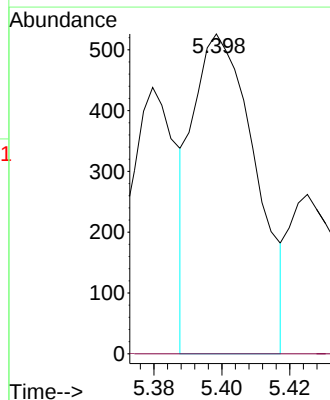
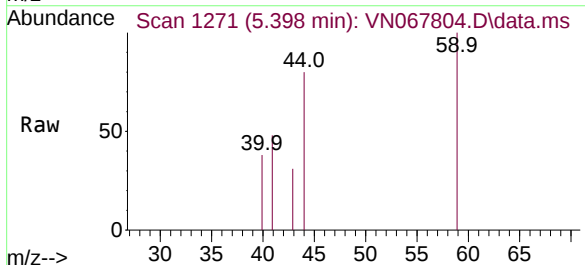
Instrument :
MSVOA_N
ClientSampled :

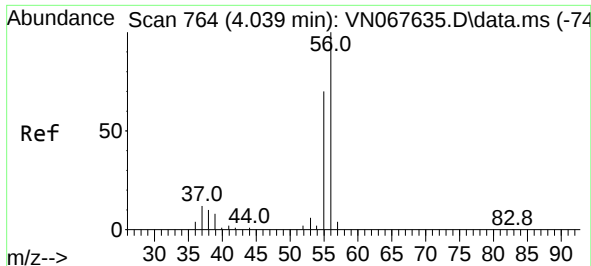
Tgt Ion: 64 Resp: 50
Ion Ratio Lower Upper
64 100
66 127.2 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.979 ug/l
RT: 5.398 min Scan# 1271
Delta R.T. 0.008 min
Lab File: VN067804.D
Acq: 19 Jul 2021 19:39

Tgt Ion: 59 Resp: 672
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

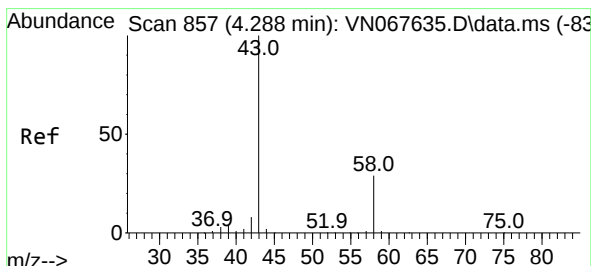
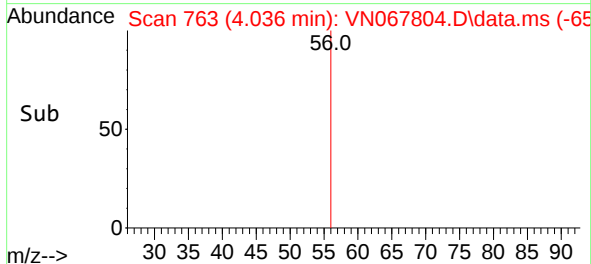
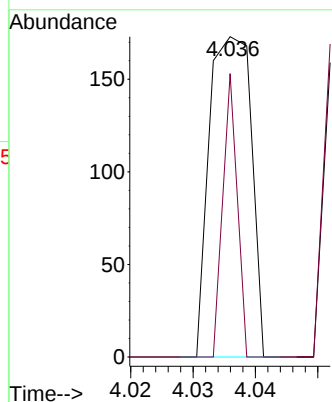
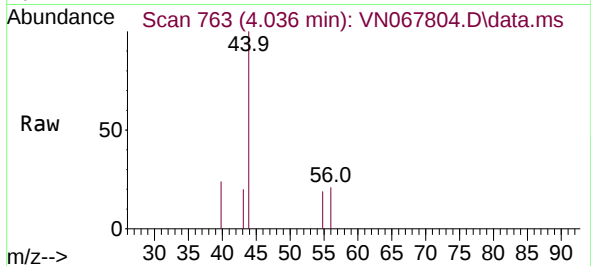




#13
Acrolein
Concen: Below Cal
RT: 4.036 min Scan# 763
Delta R.T. -0.003 min
Lab File: VN067804.D
Acq: 19 Jul 2021 19:39

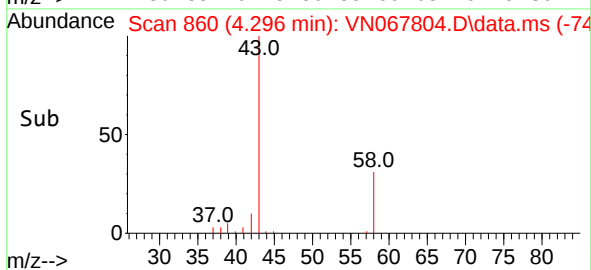
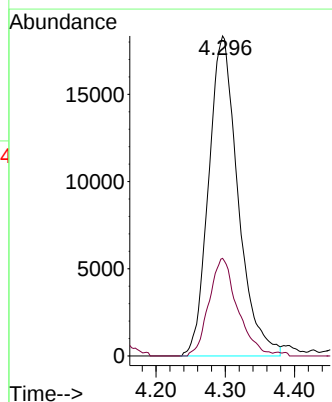
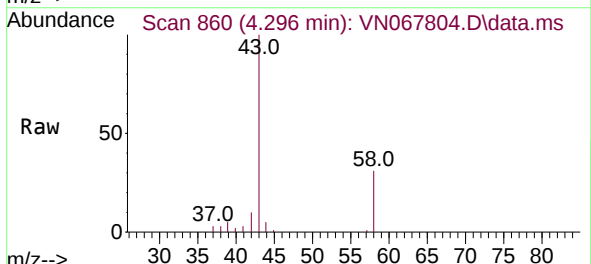
Instrument :
MSVOA_N
ClientSampled :

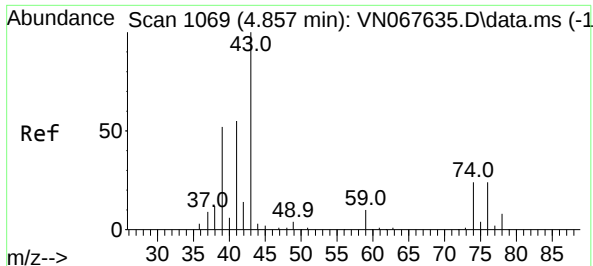
Tgt Ion: 56 Resp: 81
Ion Ratio Lower Upper
56 100
55 30.9 57.4 86.0#



#16
Acetone
Concen: 35.973 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN067804.D
Acq: 19 Jul 2021 19:39

Tgt Ion: 43 Resp: 54048
Ion Ratio Lower Upper
43 100
58 30.5 21.2 31.8





#18

Methyl Acetate

Concen: 1.694 ug/l

RT: 4.873 min Scan# 1075

Delta R.T. 0.016 min

Lab File: VN067804.D

Acq: 19 Jul 2021 19:39

Tgt Ion: 43 Resp: 7150

Ion Ratio Lower Upper

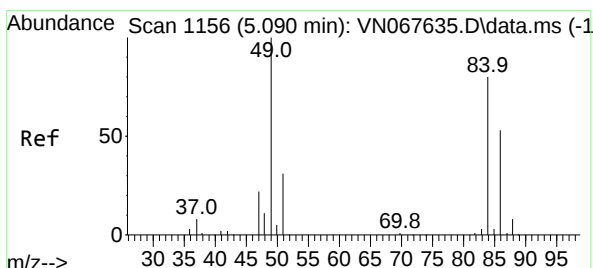
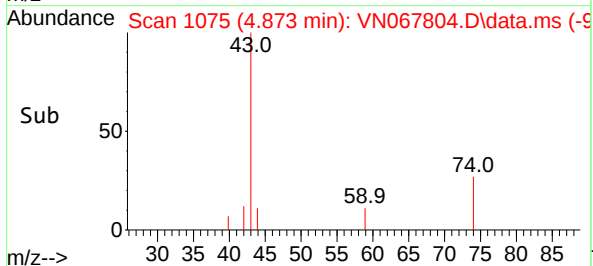
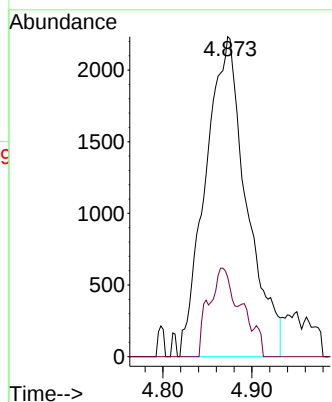
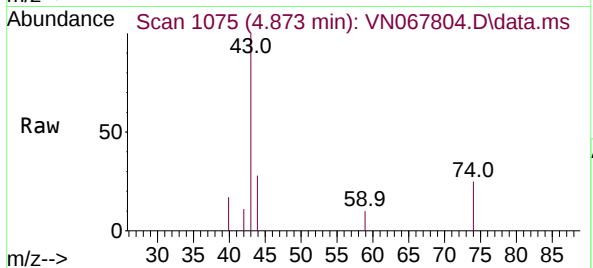
43 100

74 6.3 17.4 26.0#

Instrument :

MSVOA_N

ClientSampled :



#20

Methylene Chloride

Concen: 7.608 ug/l

RT: 5.095 min Scan# 1158

Delta R.T. 0.005 min

Lab File: VN067804.D

Acq: 19 Jul 2021 19:39

Tgt Ion: 84 Resp: 28753

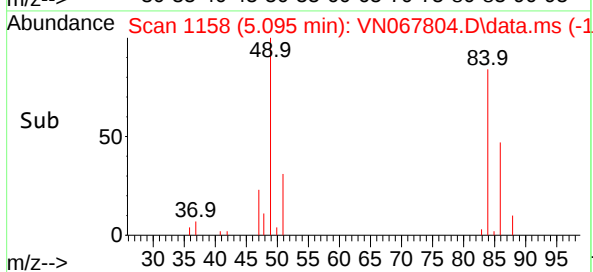
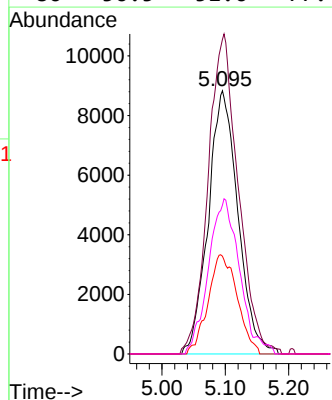
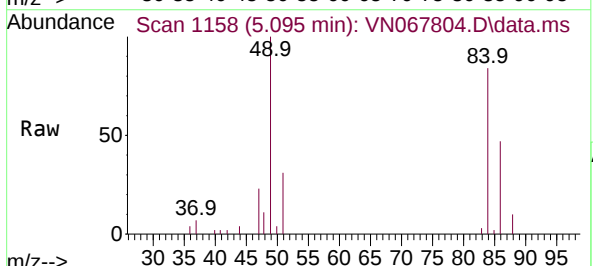
Ion Ratio Lower Upper

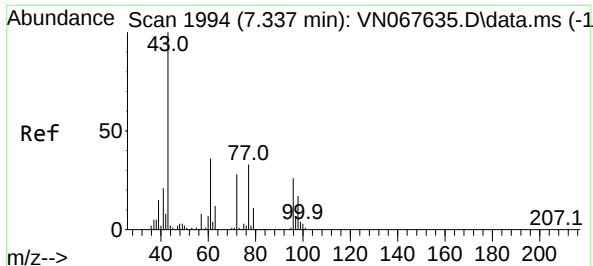
84 100

49 119.5 110.9 166.3

51 37.1 32.6 49.0

86 56.5 51.6 77.4

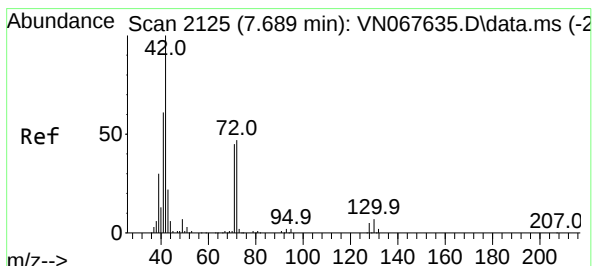
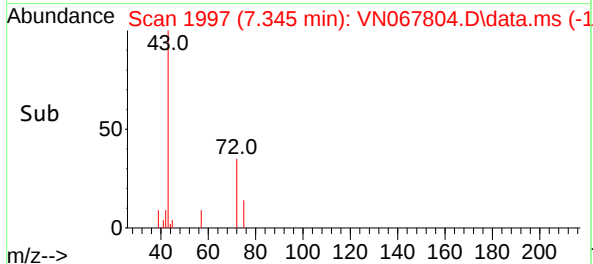
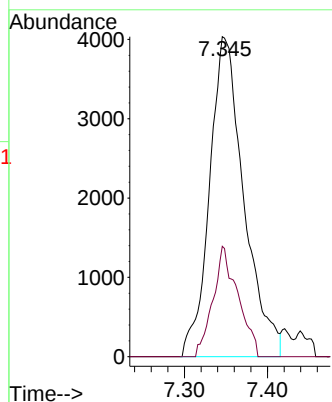
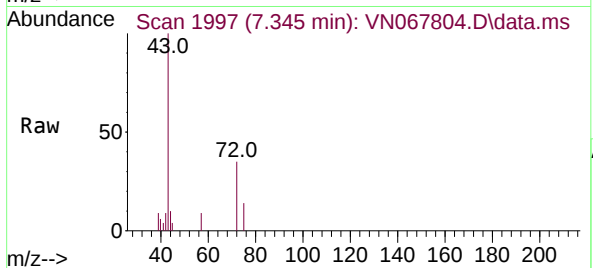




#25
2-Butanone
Concen: 4.651 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.008 min
Lab File: VN067804.D
Acq: 19 Jul 2021 19:39

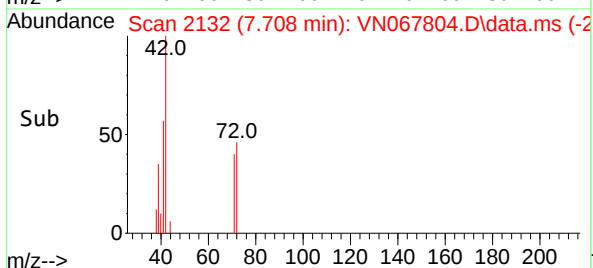
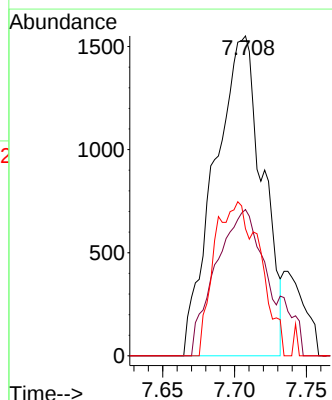
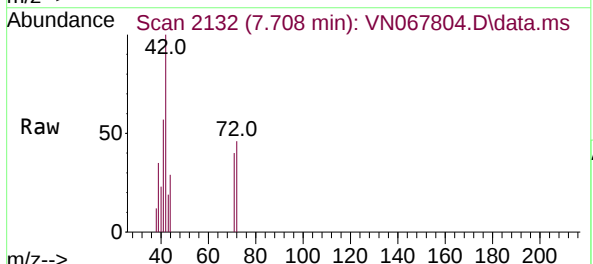
Instrument :
MSVOA_N
ClientSampled :

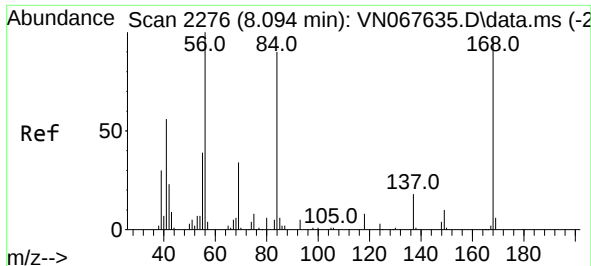
Tgt Ion: 43 Resp: 11603
Ion Ratio Lower Upper
43 100
72 34.5 19.7 29.5#



#29
Tetrahydrofuran
Concen: 2.192 ug/l
RT: 7.708 min Scan# 2132
Delta R.T. 0.019 min
Lab File: VN067804.D
Acq: 19 Jul 2021 19:39

Tgt Ion: 42 Resp: 3597
Ion Ratio Lower Upper
42 100
72 45.5 32.8 49.2
71 46.1 31.2 46.8

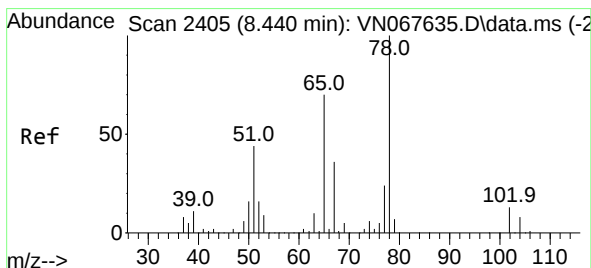
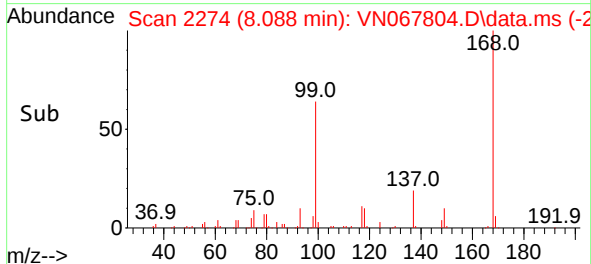
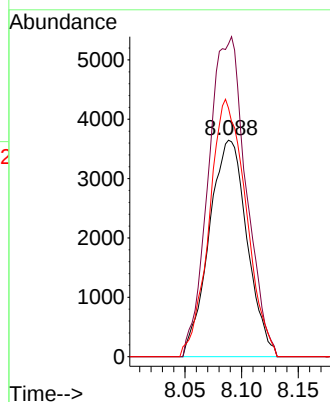
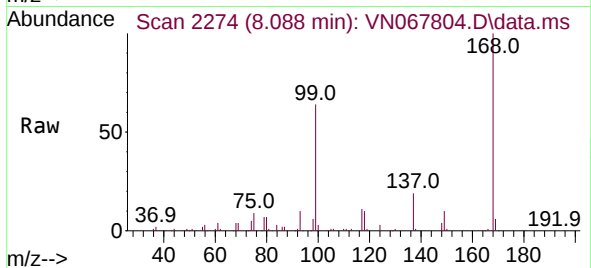




#31
Cyclohexane
Concen: 1.268 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN067804.D
Acq: 19 Jul 2021 19:39

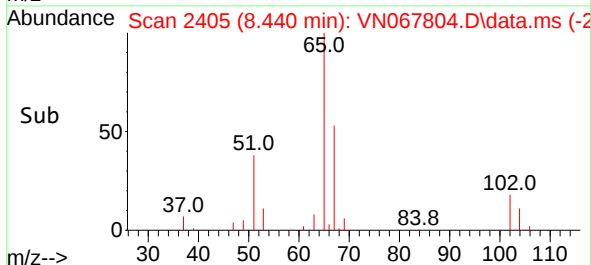
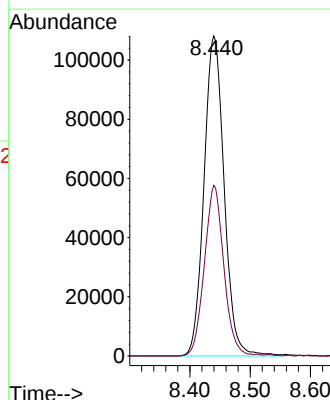
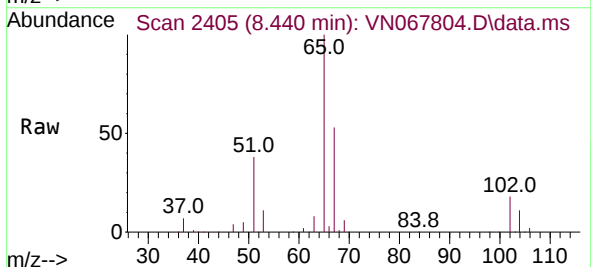
Instrument :
MSVOA_N
ClientSampled :

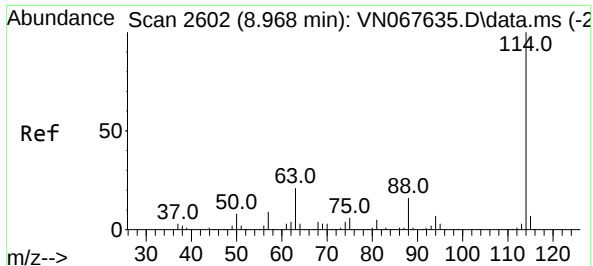
Tgt Ion: 56 Resp: 8490
Ion Ratio Lower Upper
56 100
69 144.4 27.3 40.9#
84 114.7 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 52.652 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067804.D
Acq: 19 Jul 2021 19:39

Tgt Ion: 65 Resp: 251405
Ion Ratio Lower Upper
65 100
67 51.5 0.0 98.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.971 min Scan# 2603

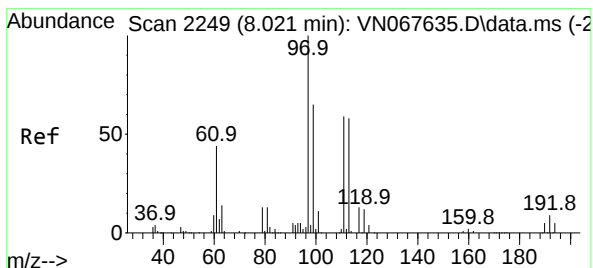
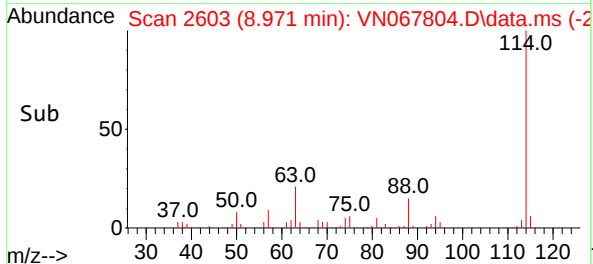
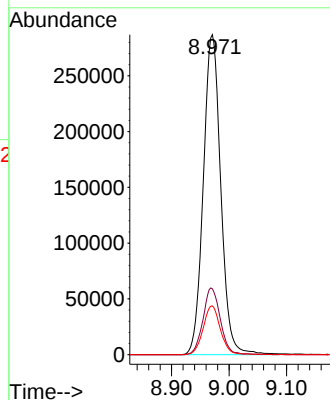
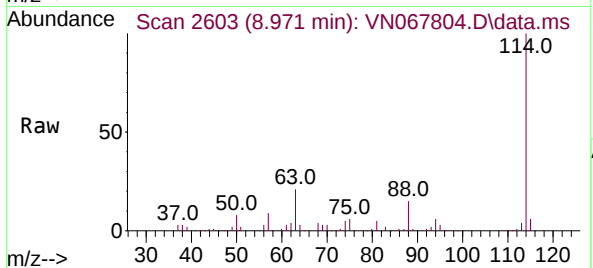
Delta R.T. 0.003 min

Lab File: VN067804.D

Acq: 19 Jul 2021 19:39

Tgt Ion:	114	Resp:	606020
Ion Ratio	Lower	Upper	
114	100		
63	20.6	0.0	49.0
88	15.2	0.0	36.6

Instrument :
MSVOA_N
ClientSampled :



#35

Dibromofluoromethane

Concen: 50.036 ug/l

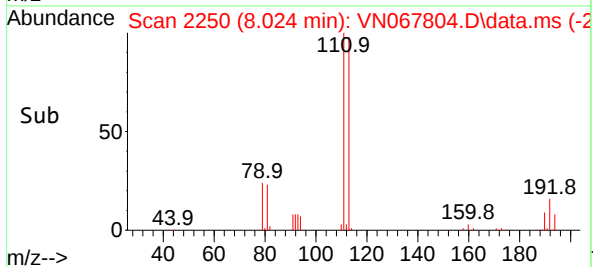
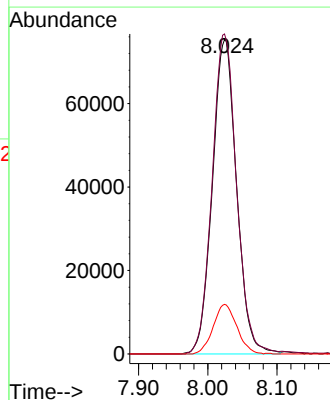
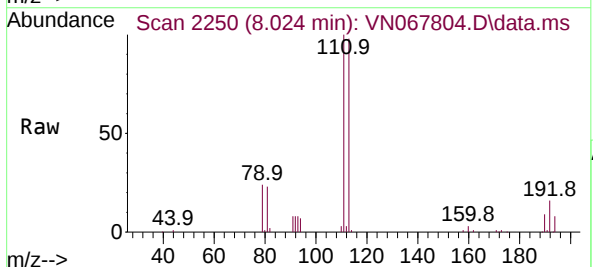
RT: 8.024 min Scan# 2250

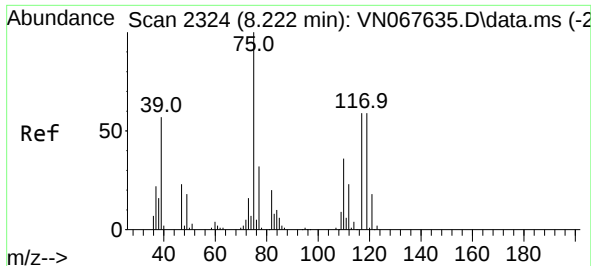
Delta R.T. 0.003 min

Lab File: VN067804.D

Acq: 19 Jul 2021 19:39

Tgt Ion:	113	Resp:	183202
Ion Ratio	Lower	Upper	
113	100		
111	102.5	83.8	125.8
192	15.4	13.4	20.0

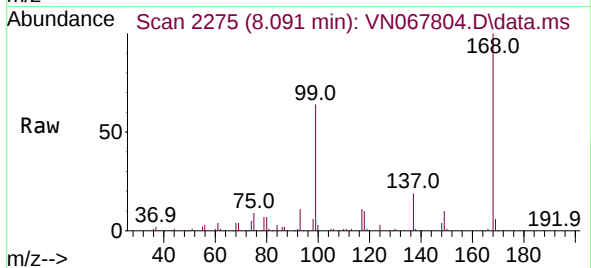




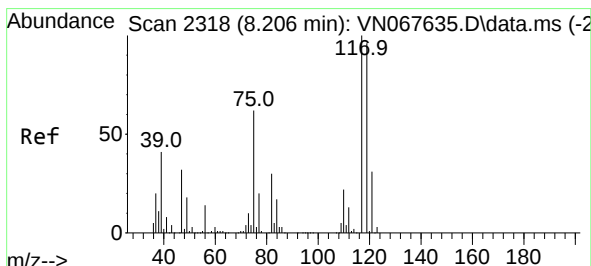
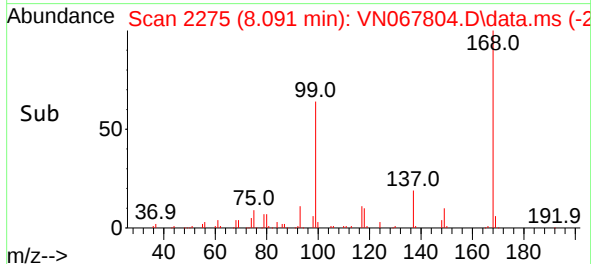
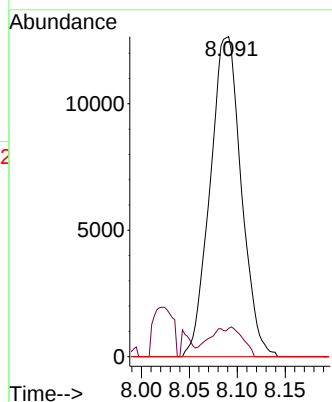
#36

1,1-Dichloropropene
Concen: 5.090 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.131 min
Lab File: VN067804.D
Acq: 19 Jul 2021 19:39

Instrument :
MSVOA_N
ClientSampled :

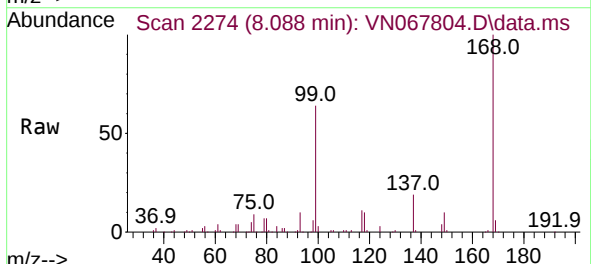


Tgt Ion:	75	Resp:	28653
Ion Ratio	Lower	Upper	
75	100		
110	3.1	15.7	47.0#
77	0.0	24.6	37.0#

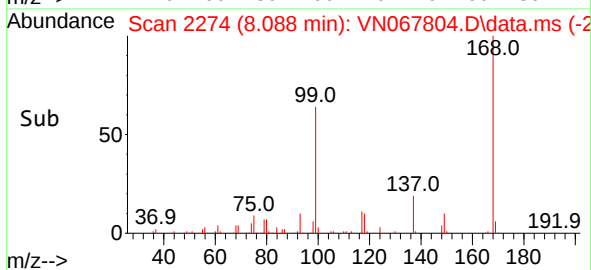
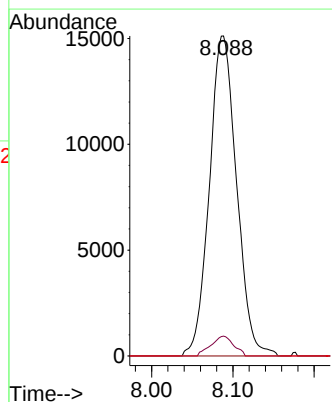


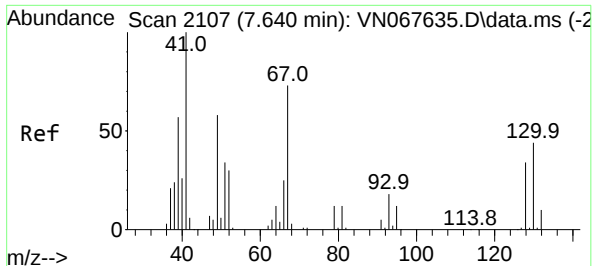
#38

Carbon Tetrachloride
Concen: 6.336 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN067804.D
Acq: 19 Jul 2021 19:39



Tgt Ion:	117	Resp:	35182
Ion Ratio	Lower	Upper	
117	100		
119	6.2	75.4	113.2#
121	0.0	23.5	35.3#

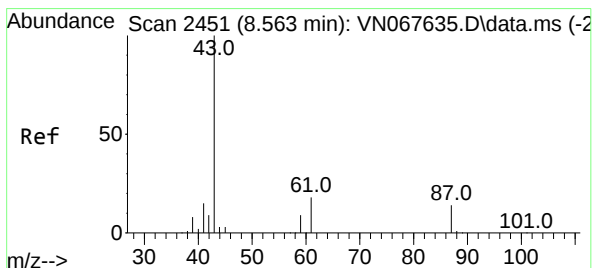
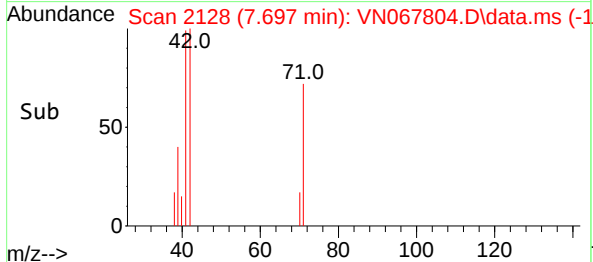
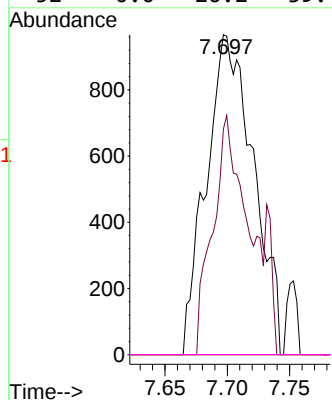
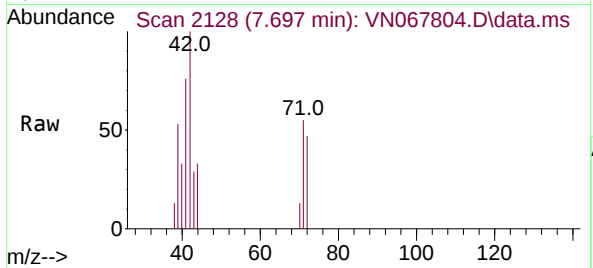




#41
Methacrylonitrile
Concen: 0.909 ug/l
RT: 7.697 min Scan# 2128
Delta R.T. 0.057 min
Lab File: VN067804.D
Acq: 19 Jul 2021 19:39

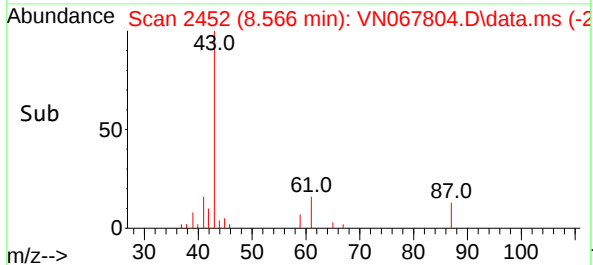
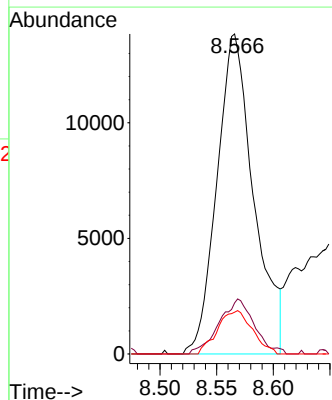
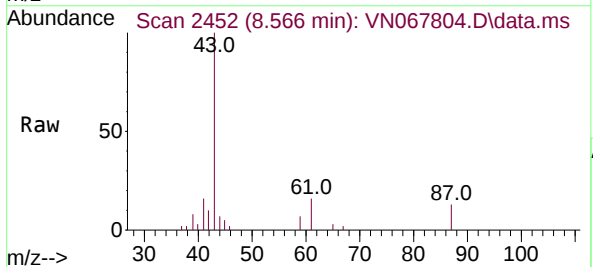
Instrument :
MSVOA_N
ClientSampled :

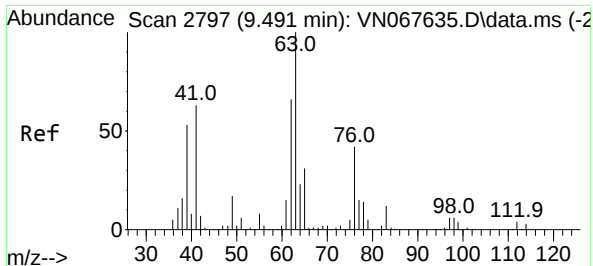
Tgt Ion: 41	Resp: 2548
Ion Ratio	Lower Upper
41 100	
39 54.4	47.6 71.4
67 0.0	57.7 86.5#
52 0.0	26.2 39.4#



#43
Isopropyl Acetate
Concen: 3.254 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.003 min
Lab File: VN067804.D
Acq: 19 Jul 2021 19:39

Tgt Ion: 43	Resp: 31219
Ion Ratio	Lower Upper
43 100	
61 16.5	19.0 28.4#
87 12.8	9.5 14.3



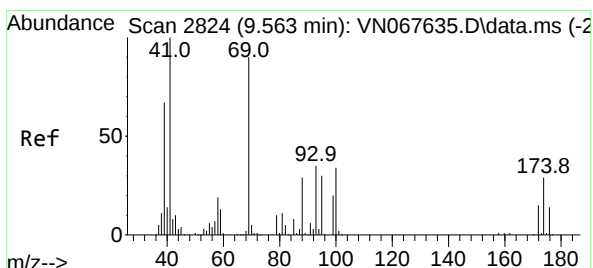
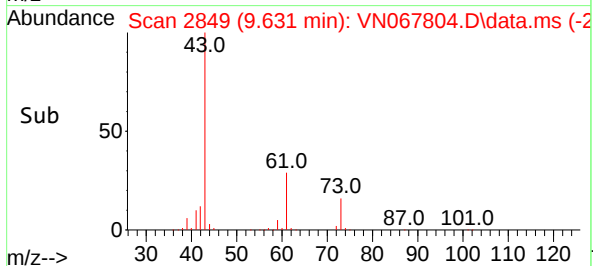
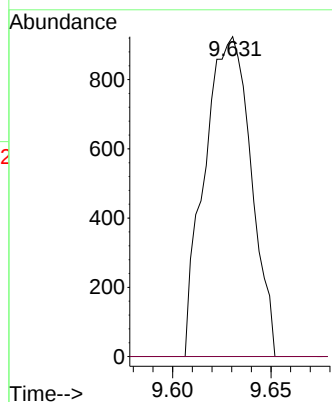
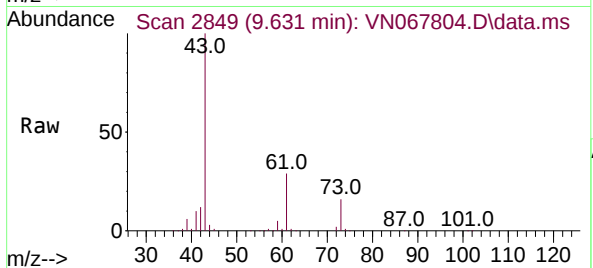


#45

1,2-Dichloropropane
Concen: 0.355 ug/l
RT: 9.631 min Scan# 2849
Delta R.T. 0.140 min
Lab File: VN067804.D
Acq: 19 Jul 2021 19:39

Instrument :
MSVOA_N
ClientSampled :

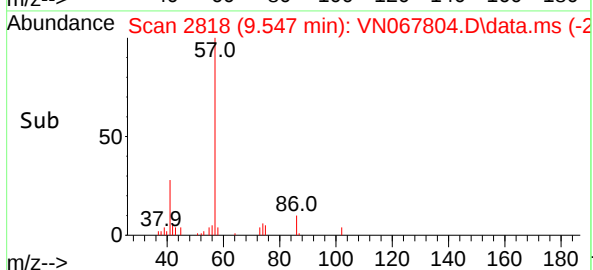
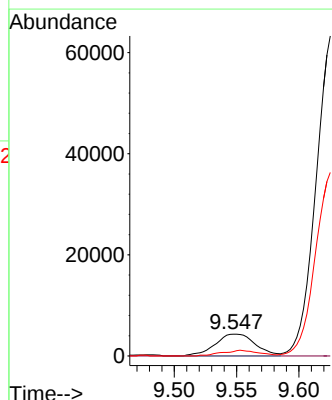
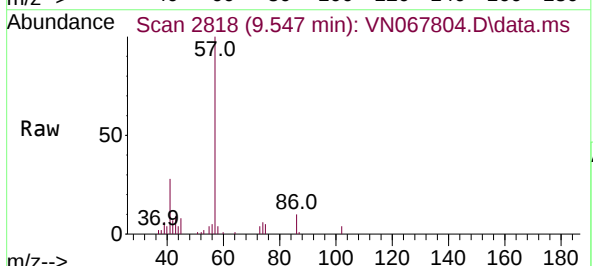
Tgt Ion: 63 Resp: 1514
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

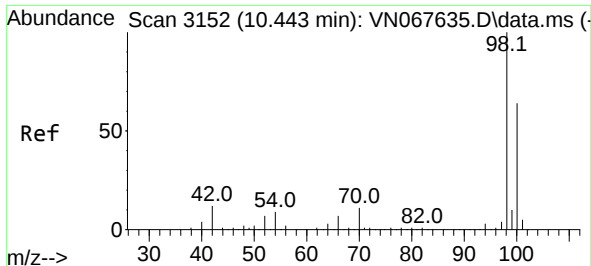


#48

Methyl methacrylate
Concen: 2.290 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.016 min
Lab File: VN067804.D
Acq: 19 Jul 2021 19:39

Tgt Ion: 41 Resp: 9716
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 23.7 53.3 79.9#

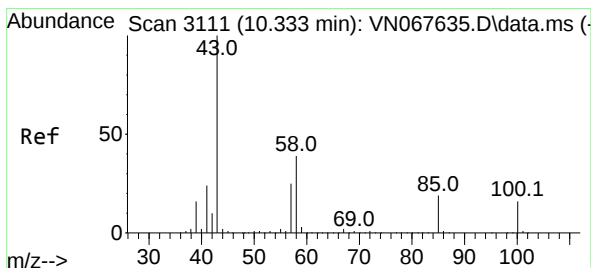
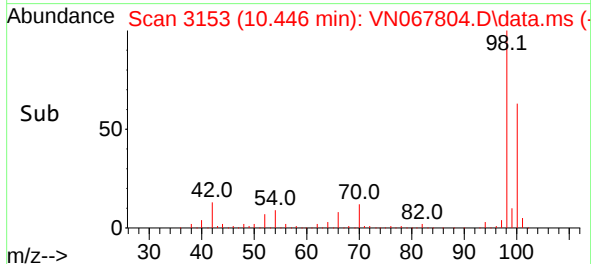
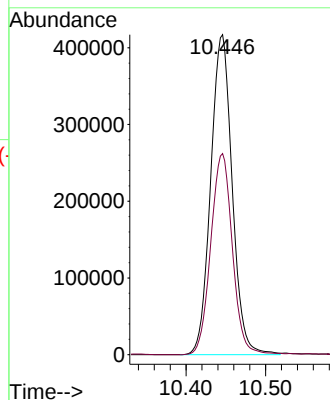
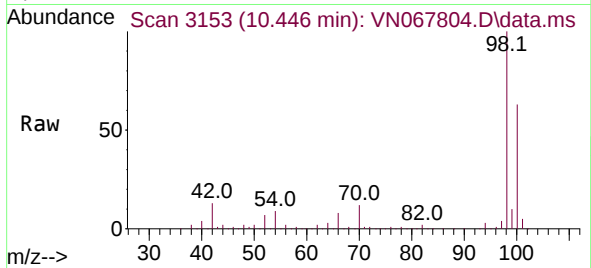




#50
Toluene-d8
Concen: 51.166 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN067804.D
Acq: 19 Jul 2021 19:39

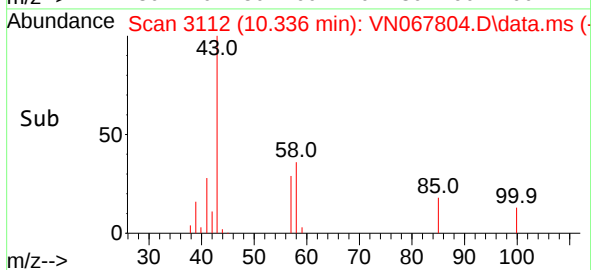
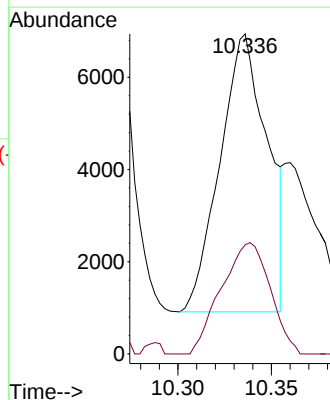
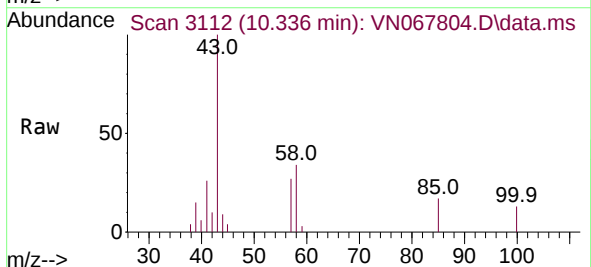
Instrument :
MSVOA_N
ClientSampled :

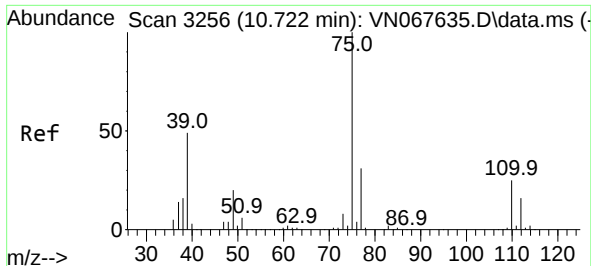
Tgt Ion: 98 Resp: 784163
Ion Ratio Lower Upper
98 100
100 63.4 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.791 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067804.D
Acq: 19 Jul 2021 19:39

Tgt Ion: 43 Resp: 10559
Ion Ratio Lower Upper
43 100
58 41.7 28.6 43.0

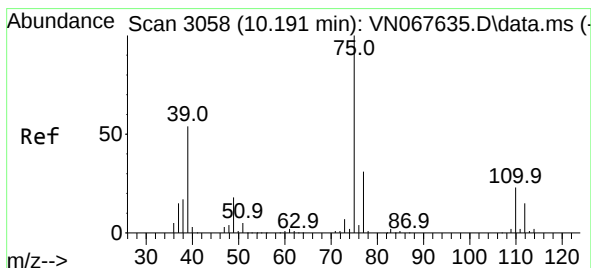
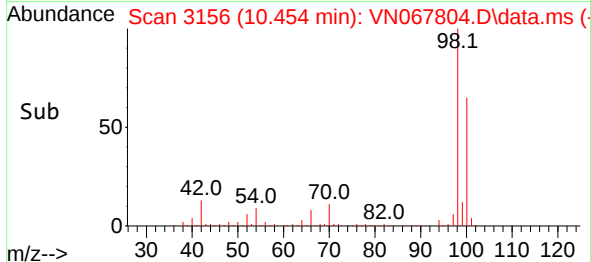
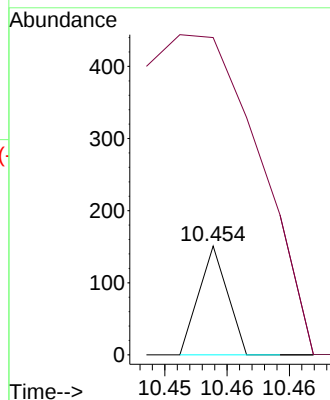
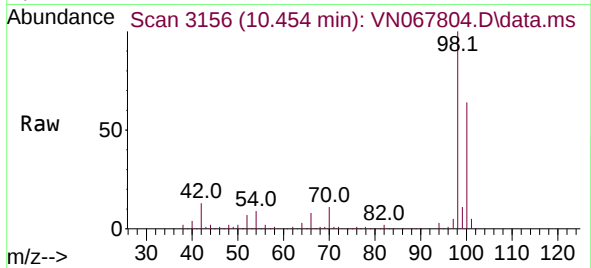




#53
t-1,3-Dichloropropene
Concen: 1.748 ug/l
RT: 10.454 min Scan# 3156
Delta R.T. -0.268 min
Lab File: VN067804.D
Acq: 19 Jul 2021 19:39

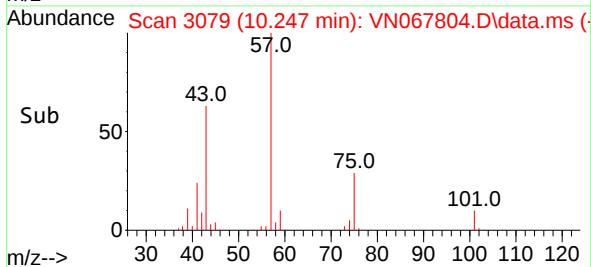
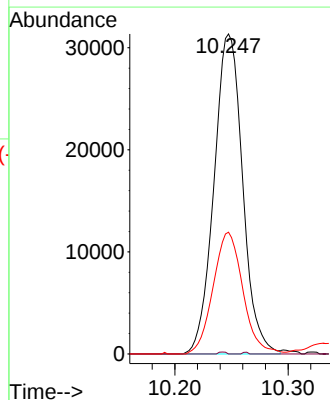
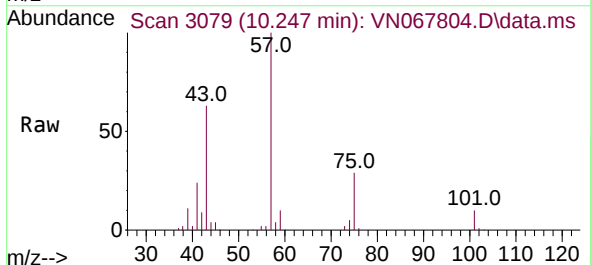
Instrument :
MSVOA_N
ClientSampled :

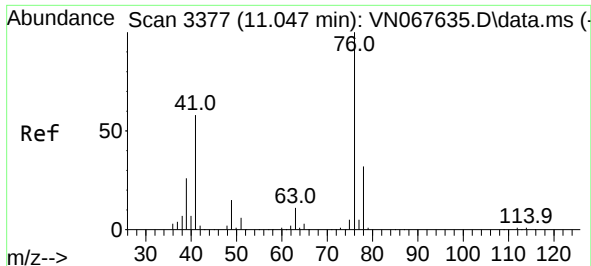
Tgt Ion: 75 Resp: 24
Ion Ratio Lower Upper
75 100
77 162.9 25.1 37.7#



#54
cis-1,3-Dichloropropene
Concen: 8.352 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN067804.D
Acq: 19 Jul 2021 19:39

Tgt Ion: 75 Resp: 54966
Ion Ratio Lower Upper
75 100
77 0.0 24.6 37.0#
39 38.0 50.7 76.1#

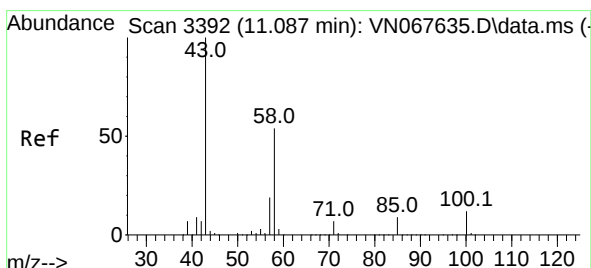
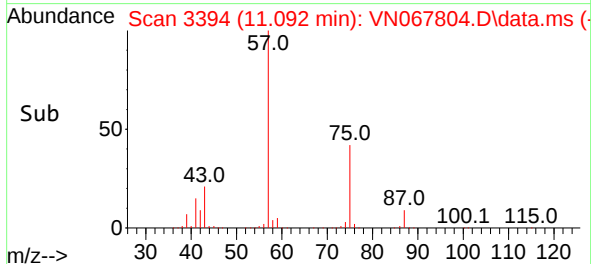
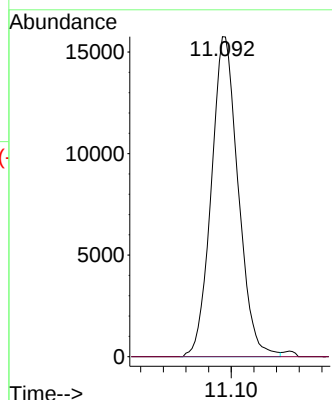
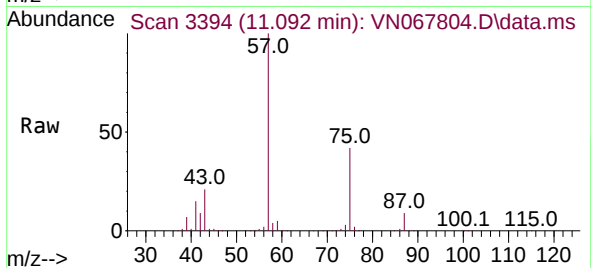




#57
1,3-Dichloropropane
Concen: 3.580 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.045 min
Lab File: VN067804.D
Acq: 19 Jul 2021 19:39

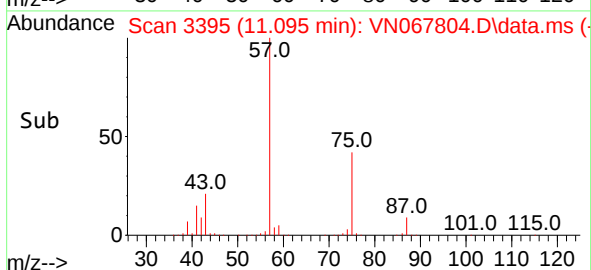
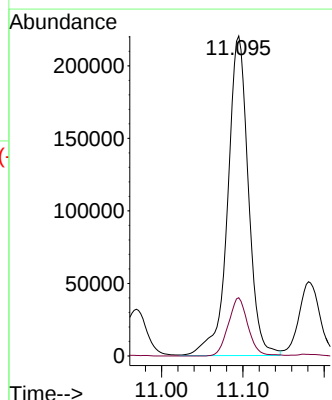
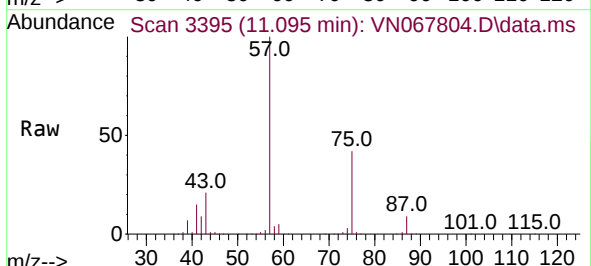
Instrument :
MSVOA_N
ClientSampled :

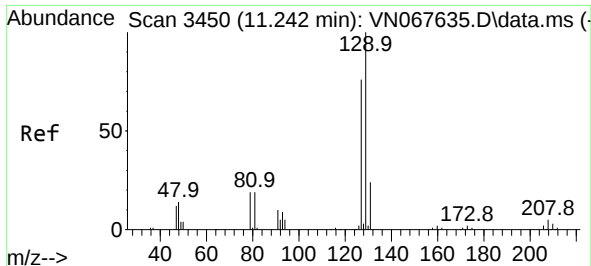
Tgt Ion: 76 Resp: 25968
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 94.699 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN067804.D
Acq: 19 Jul 2021 19:39

Tgt Ion: 43 Resp: 389624
Ion Ratio Lower Upper
43 100
58 17.4 24.7 74.1#

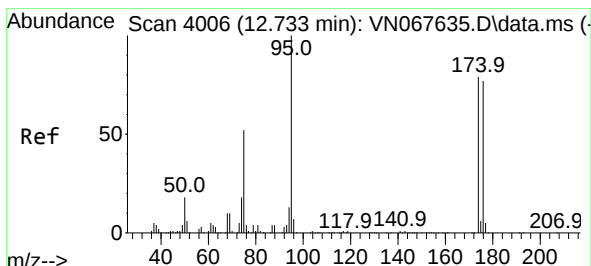
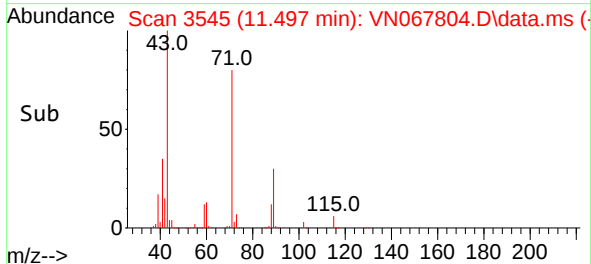
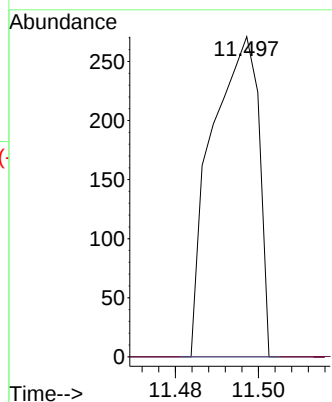
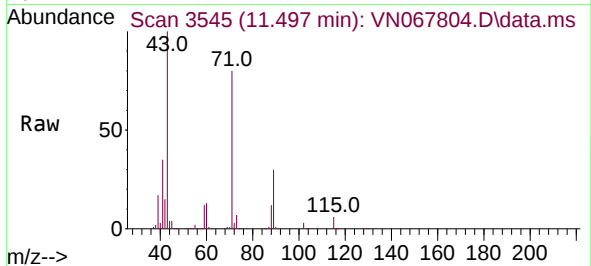




#60
Dibromochloromethane
Concen: 2.396 ug/l
RT: 11.497 min Scan# 3545
Delta R.T. 0.255 min
Lab File: VN067804.D
Acq: 19 Jul 2021 19:39

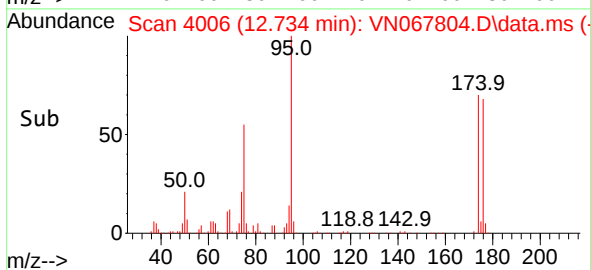
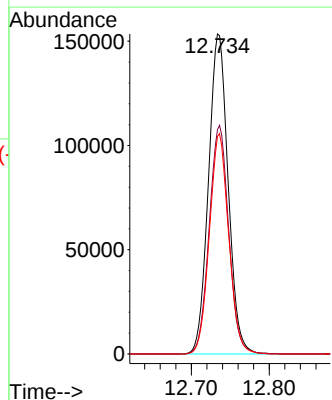
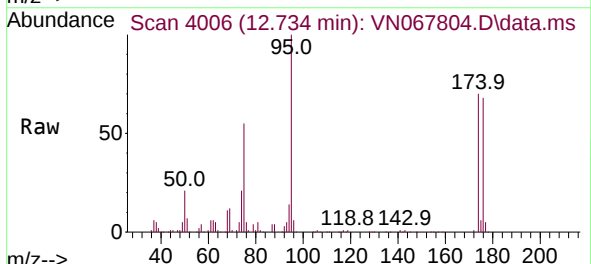
Instrument :
MSVOA_N
ClientSampled :

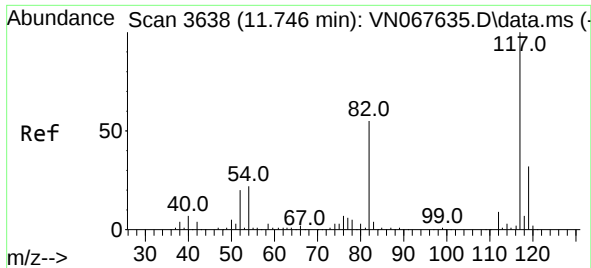
Tgt Ion:129 Resp: 212
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 49.594 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067804.D
Acq: 19 Jul 2021 19:39

Tgt Ion: 95 Resp: 268496
Ion Ratio Lower Upper
95 100
174 71.2 0.0 122.0
176 67.8 0.0 117.6

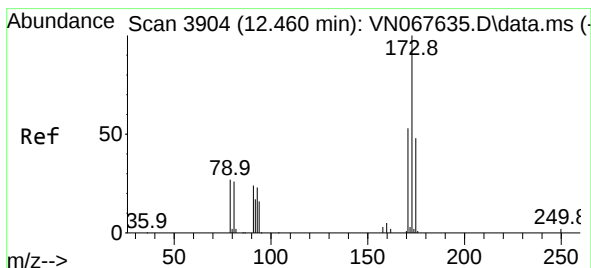
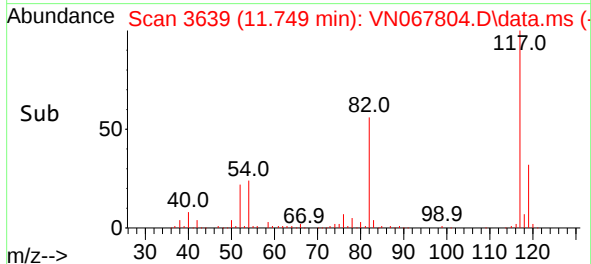
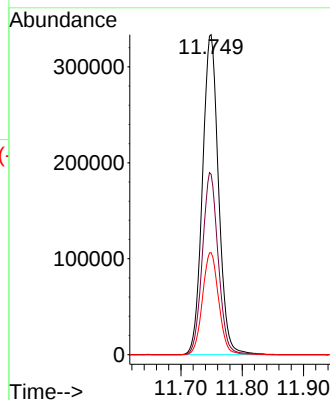
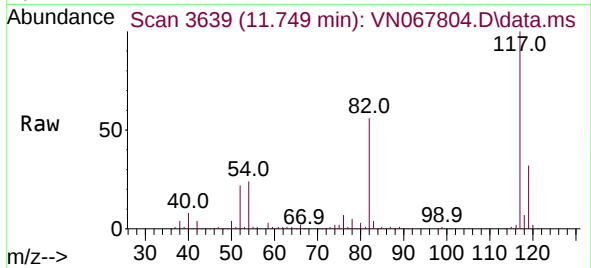




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067804.D
Acq: 19 Jul 2021 19:39

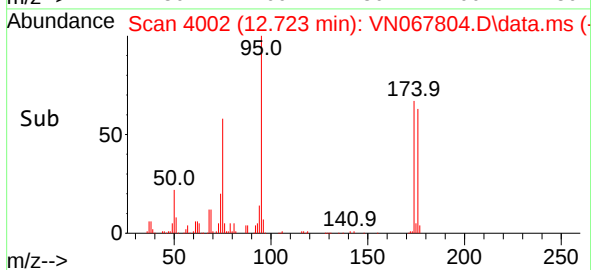
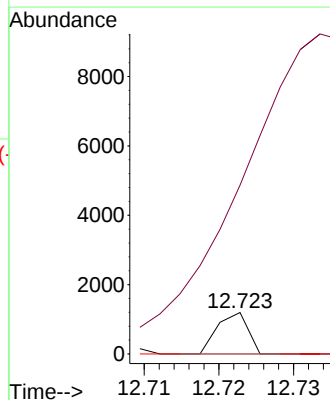
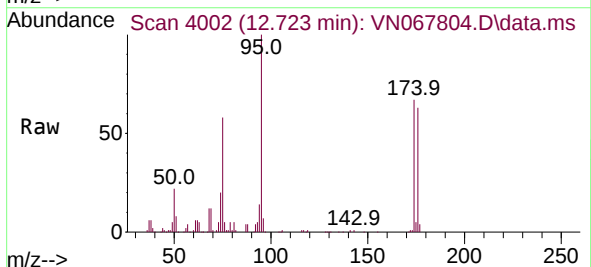
Instrument :
MSVOA_N
ClientSampled :

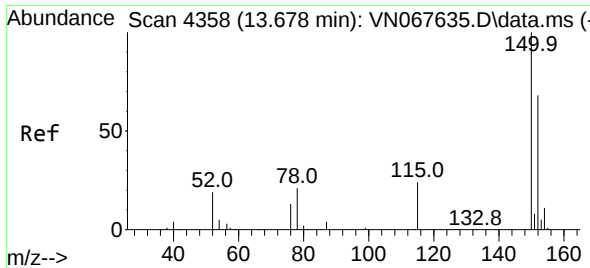
Tgt Ion:117 Resp: 608274
Ion Ratio Lower Upper
117 100
82 56.4 53.1 79.7
119 31.9 25.5 38.3



#71
Bromoform
Concen: 3.257 ug/l
RT: 12.723 min Scan# 4002
Delta R.T. 0.263 min
Lab File: VN067804.D
Acq: 19 Jul 2021 19:39

Tgt Ion:173 Resp: 339
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0

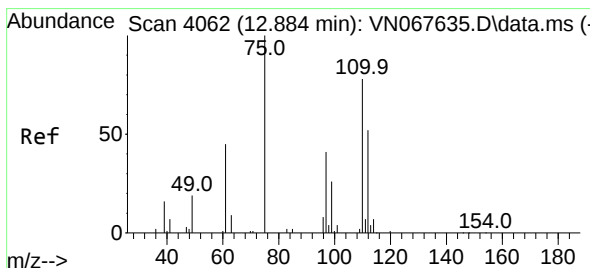
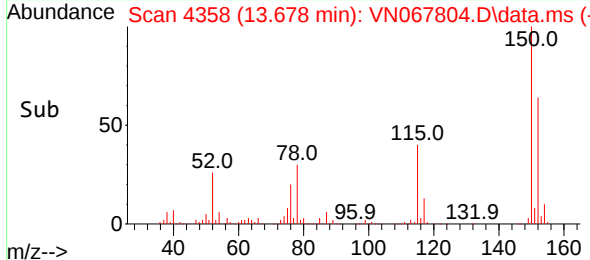
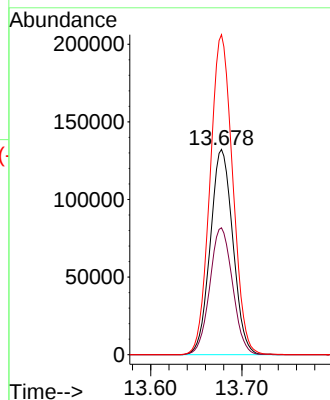
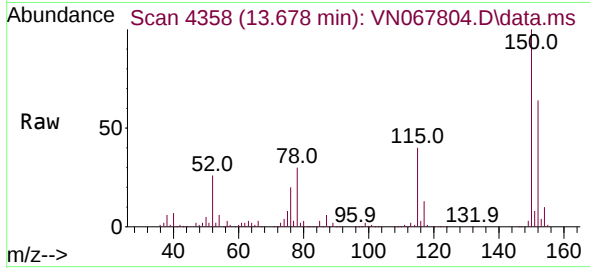




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. 0.000 min
 Lab File: VN067804.D
 Acq: 19 Jul 2021 19:39

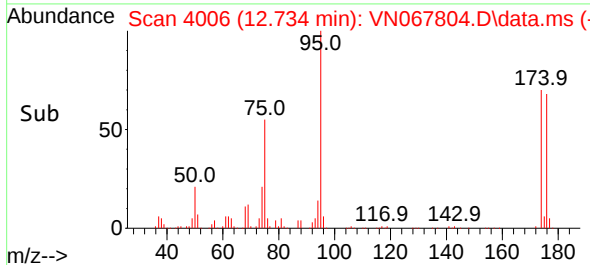
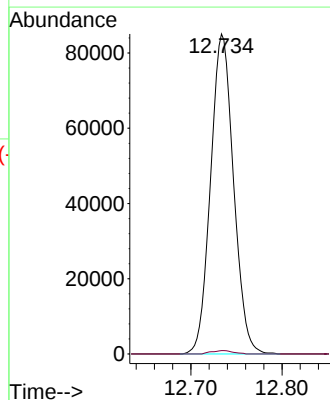
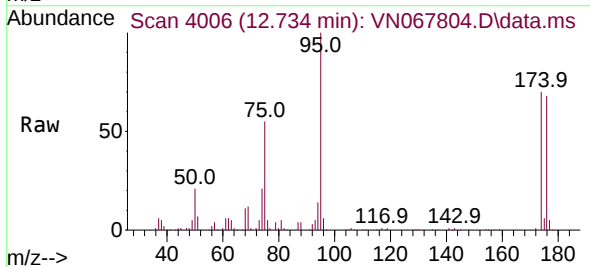
Instrument :
 MSVOA_N
 ClientSampled :

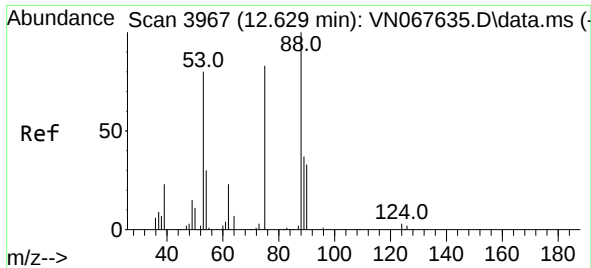
Tgt Ion:152 Resp: 227780
 Ion Ratio Lower Upper
 152 100
 115 62.2 36.1 108.5
 150 156.4 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 32.007 ug/l
 RT: 12.734 min Scan# 4006
 Delta R.T. -0.150 min
 Lab File: VN067804.D
 Acq: 19 Jul 2021 19:39

Tgt Ion: 75 Resp: 148885
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#

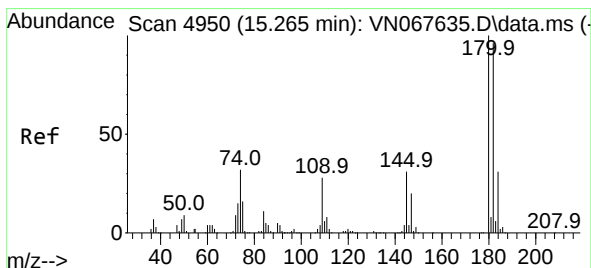
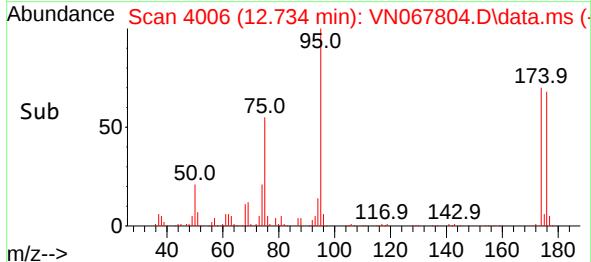
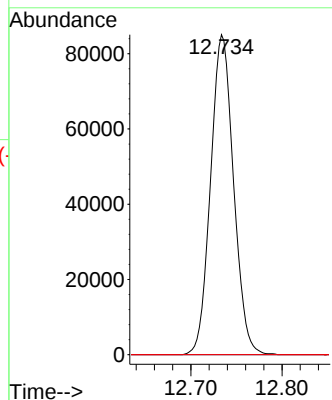
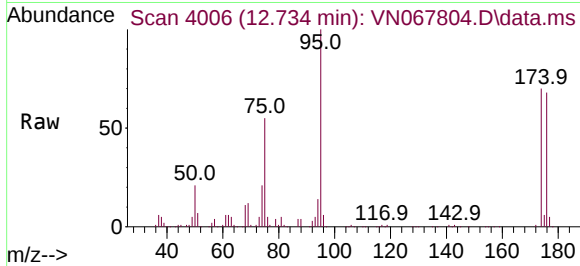




#81
trans-1,4-Dichloro-2-butene
Concen: 103.193 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067804.D
Acq: 19 Jul 2021 19:39

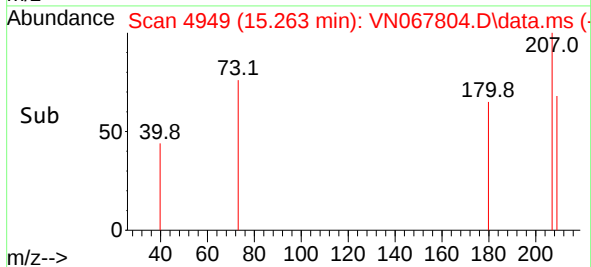
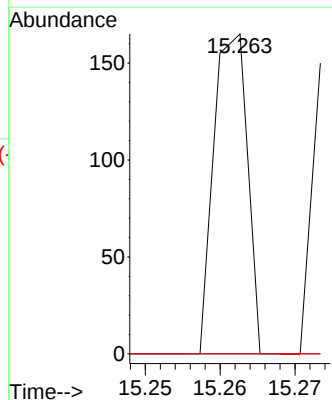
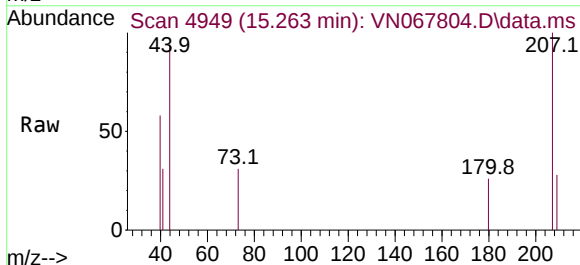
Instrument :
MSVOA_N
ClientSampled :

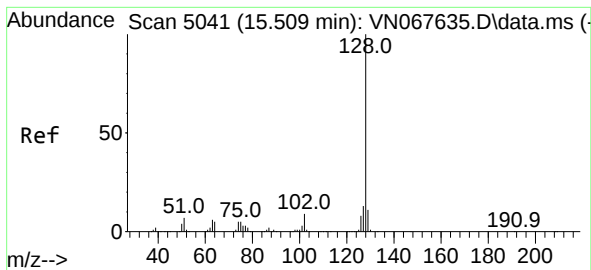
Tgt Ion: 75 Resp: 148885
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.687 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN067804.D
Acq: 19 Jul 2021 19:39

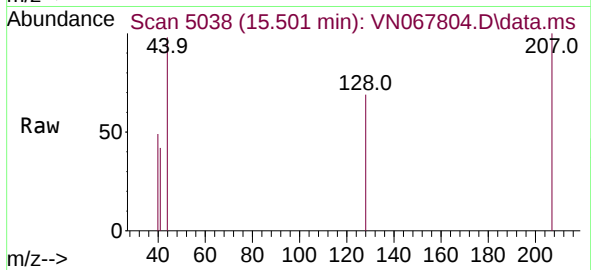
Tgt Ion:180 Resp: 51
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.5#
145 0.0 17.2 51.6#





#95
Naphthalene
Concen: 3.055 ug/l
RT: 15.501 min Scan# 5038
Delta R.T. -0.008 min
Lab File: VN067804.D
Acq: 19 Jul 2021 19:39

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 512
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

