

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062521\
 Data File : VN067516.D
 Acq On : 25 Jun 2021 20:00
 Operator : JC/MD
 Sample : M2812-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 26 00:40:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062421W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 24 12:18:45 2021
 Response via : Initial Calibration

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

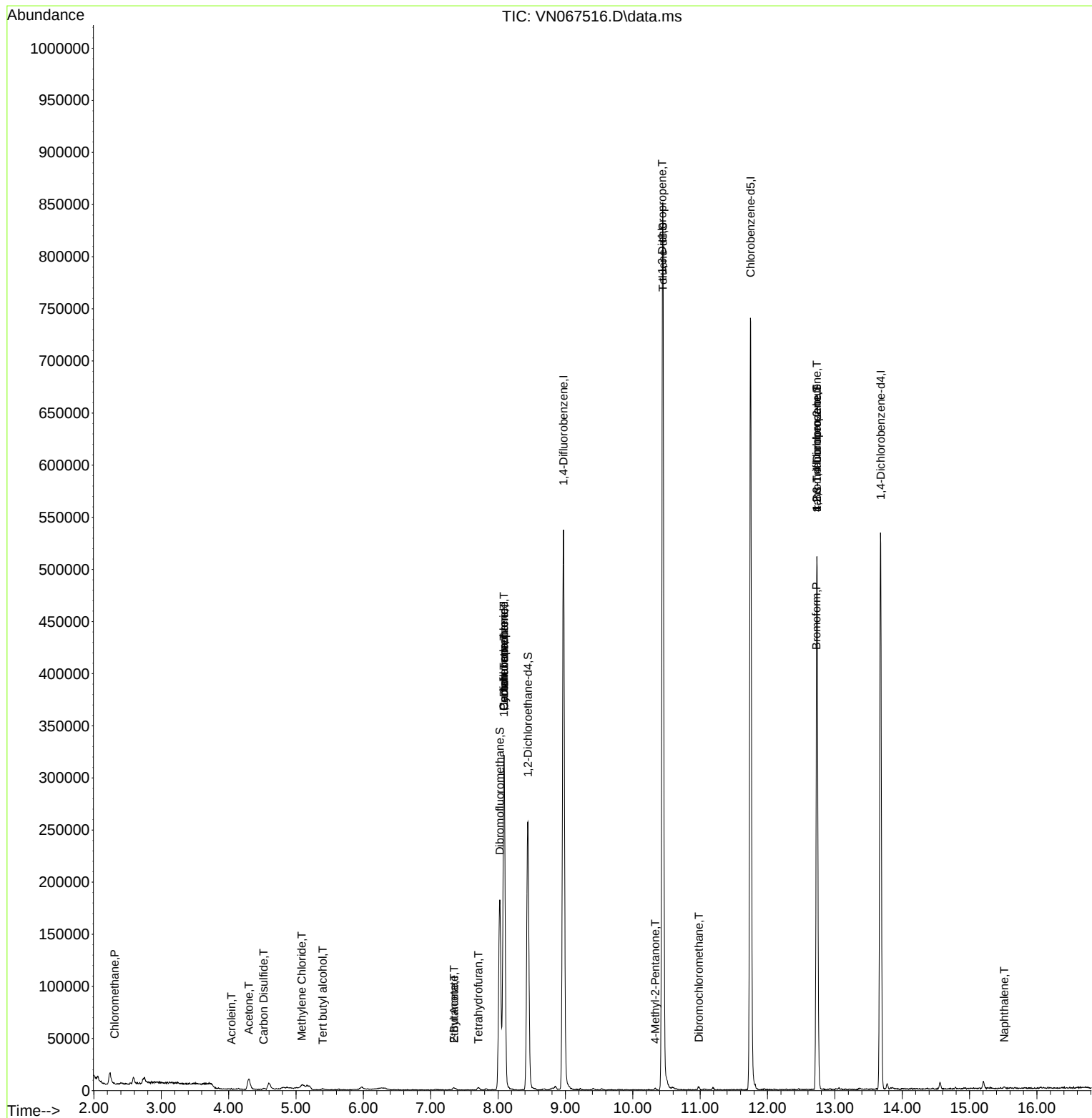
Internal Standards						
1) Pentafluorobenzene	8.088	168	187039	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	419611	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	365797	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.680	152	109690	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	211019	55.13	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 110.26%			
35) Dibromofluoromethane	8.027	113	131918	51.03	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 102.06%			
50) Toluene-d8	10.446	98	578194	52.44	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.88%			
62) 4-Bromofluorobenzene	12.733	95	186016	47.35	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 94.70%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	800	0.23	ug/l #	43
11) Tert butyl alcohol	5.396	59	178	0.28	ug/l #	71
13) Acrolein	4.041	56	445	0.84	ug/l #	66
16) Acetone	4.299	43	18370	12.54	ug/l #	88
17) Carbon Disulfide	4.521	76	2322	0.28	ug/l #	74
20) Methylene Chloride	5.084	84	1269	0.37	ug/l	87
25) 2-Butanone	7.348	43	2235	0.98	ug/l	95
29) Tetrahydrofuran	7.707	42	1034	0.72	ug/l #	72
31) Cyclohexane	8.088	56	8237	1.34	ug/l #	30
36) 1,1-Dichloropropene	8.086	75	26045	5.51	ug/l #	50
37) Ethyl Acetate	7.348	43	2235	0.45	ug/l #	69
38) Carbon Tetrachloride	8.088	117	25678	6.38	ug/l #	16
51) 4-Methyl-2-Pentanone	10.336	43	1184	0.24	ug/l #	39
53) t-1,3-Dichloropropene	10.438	75	144	2.03	ug/l #	1
60) Dibromochloromethane	10.982	129	660	2.23	ug/l #	11
71) Bromoform	12.725	173	437	2.87	ug/l #	29
76) 1,2,3-Trichloropropane	12.733	75	113135	35.04	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	113135	95.89	ug/l #	6
95) Naphthalene	15.515	128	1868	3.62	ug/l #	81

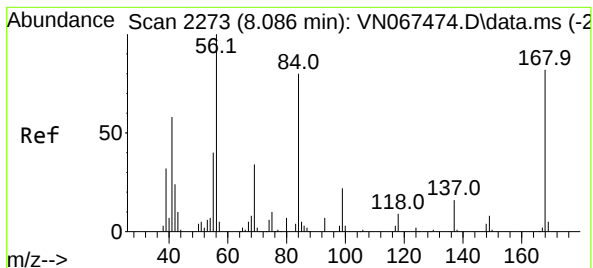
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

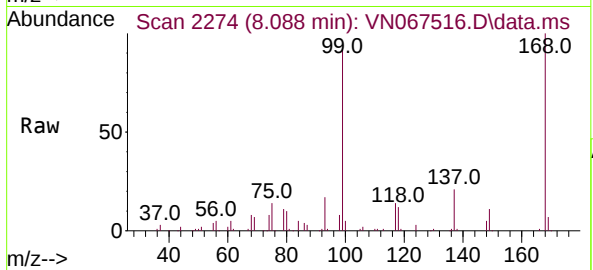
Quant Time: Jun 26 00:40:49 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062421W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 24 12:18:45 2021
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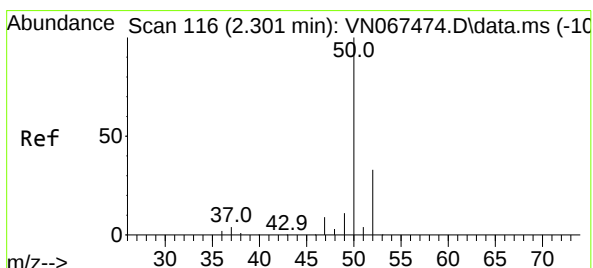
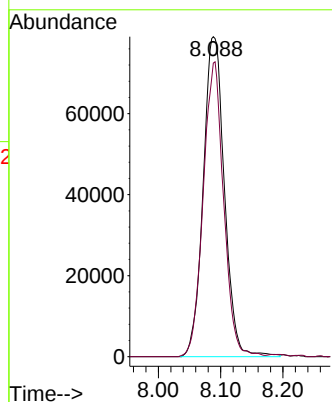
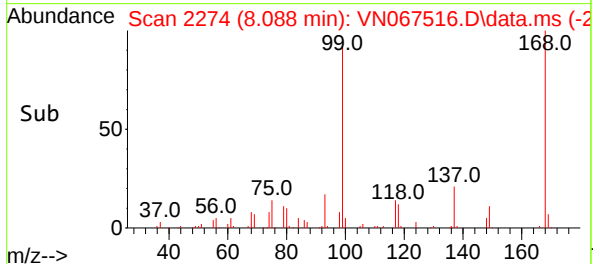


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067516.D
Acq: 25 Jun 2021 20:00

Instrument :
MSVOA_N
ClientSampled :

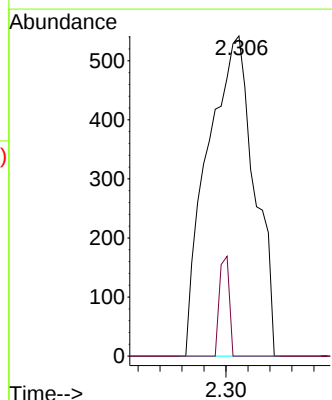
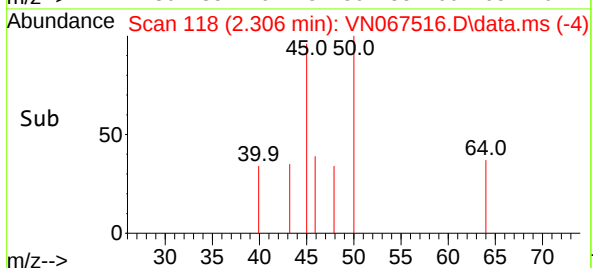
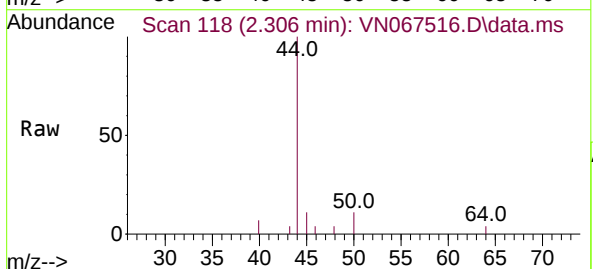


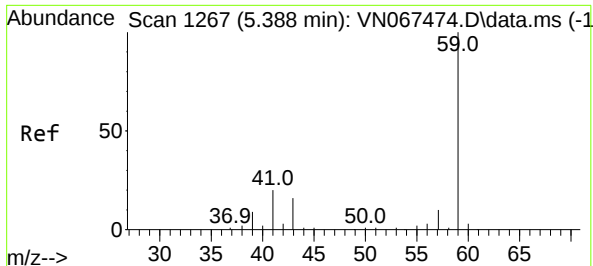
Tgt Ion:168 Resp: 187039
Ion Ratio Lower Upper
168 100
99 91.5 62.9 94.3



#3
Chloromethane
Concen: 0.23 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.005 min
Lab File: VN067516.D
Acq: 25 Jun 2021 20:00

Tgt Ion: 50 Resp: 800
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#



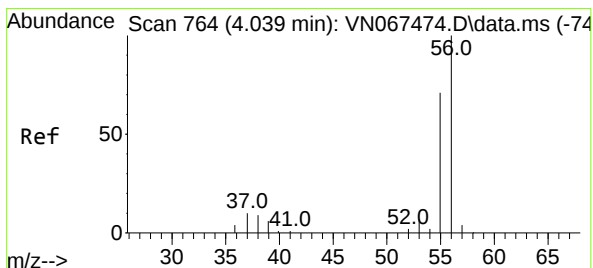
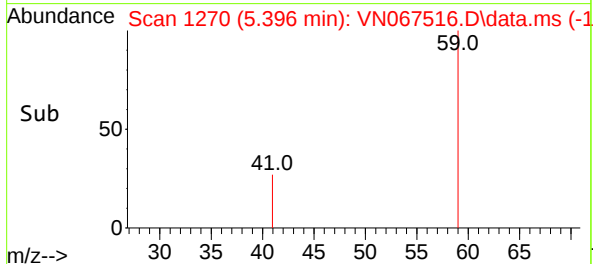
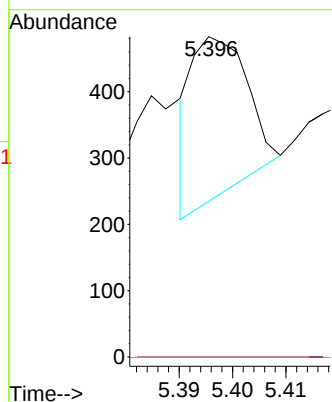
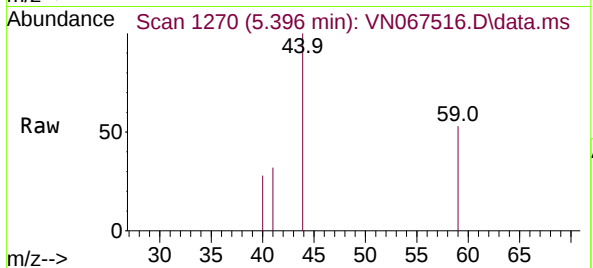


#11

Tert butyl alcohol
Concen: 0.28 ug/l
RT: 5.396 min Scan# 1270
Delta R.T. 0.008 min
Lab File: VN067516.D
Acq: 25 Jun 2021 20:00

Instrument :
MSVOA_N
ClientSampled :

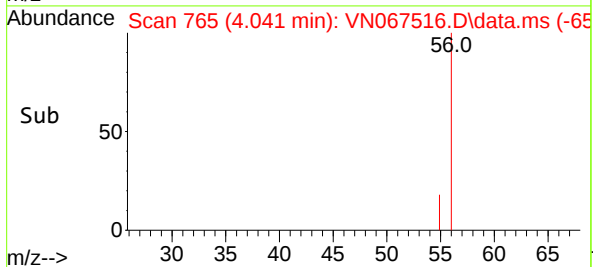
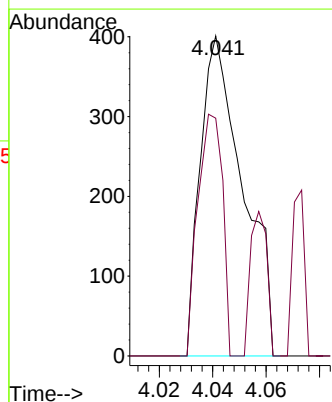
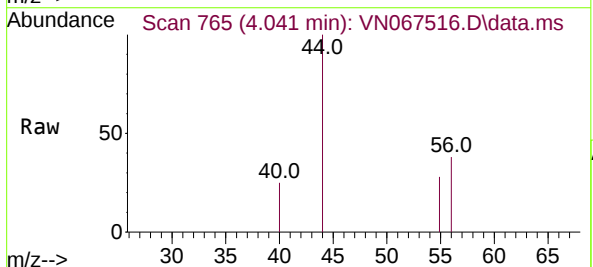
Tgt Ion: 59 Resp: 178
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

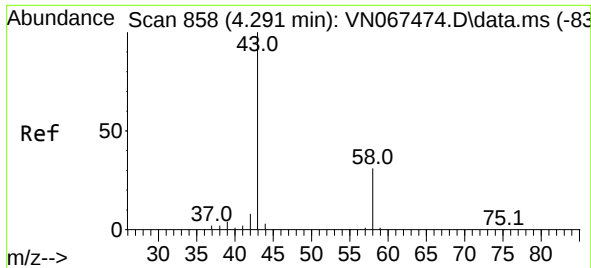


#13

Acrolein
Concen: 0.84 ug/l
RT: 4.041 min Scan# 765
Delta R.T. 0.002 min
Lab File: VN067516.D
Acq: 25 Jun 2021 20:00

Tgt Ion: 56 Resp: 445
Ion Ratio Lower Upper
56 100
55 43.6 57.4 86.0#

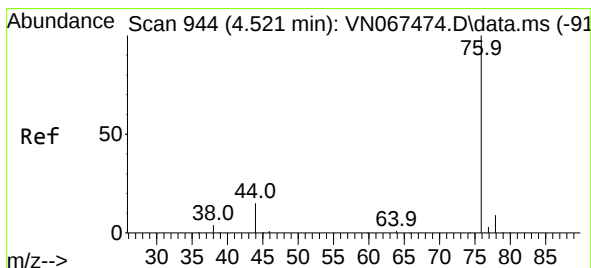
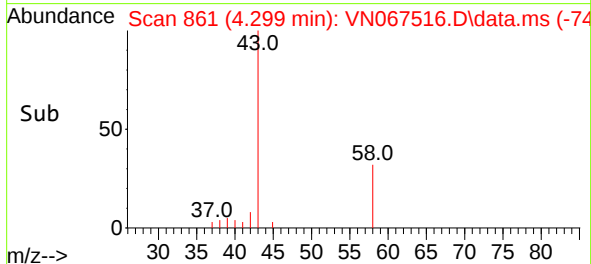
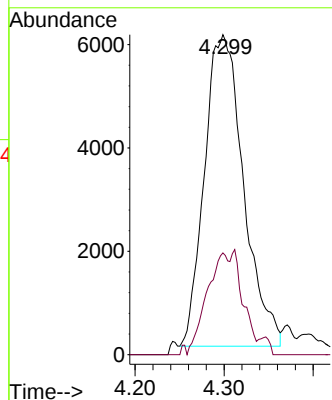
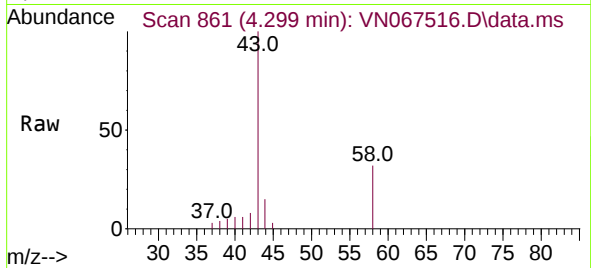




#16
Acetone
Concen: 12.54 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.008 min
Lab File: VN067516.D
Acq: 25 Jun 2021 20:00

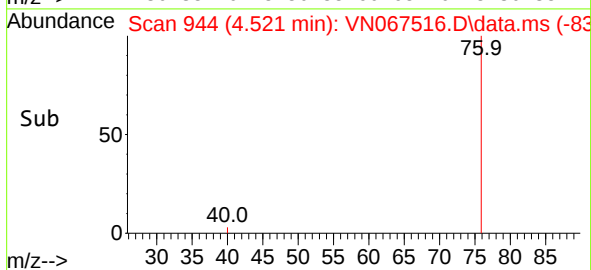
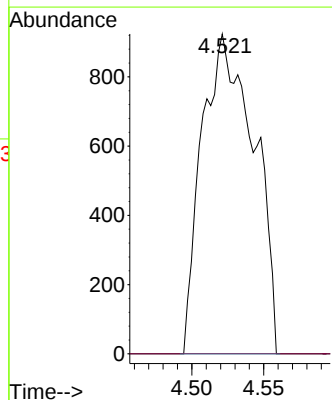
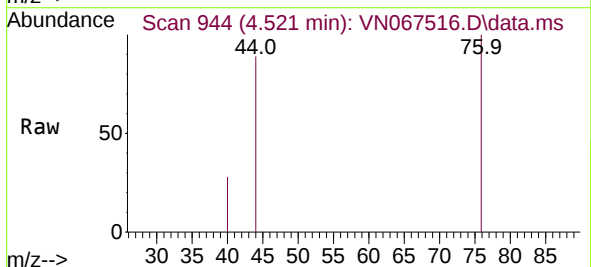
Instrument :
MSVOA_N
ClientSampled :

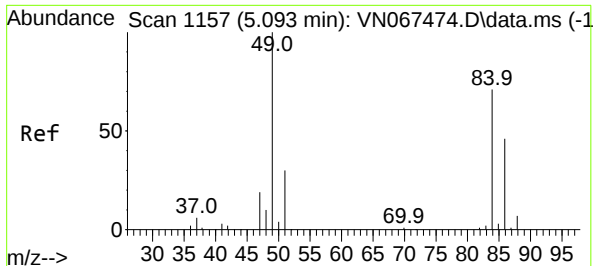
Tgt Ion: 43 Resp: 18370
Ion Ratio Lower Upper
43 100
58 32.7 21.2 31.8#



#17
Carbon Disulfide
Concen: 0.28 ug/l
RT: 4.521 min Scan# 944
Delta R.T. 0.000 min
Lab File: VN067516.D
Acq: 25 Jun 2021 20:00

Tgt Ion: 76 Resp: 2322
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#





#20

Methylene Chloride

Concen: 0.37 ug/l

RT: 5.084 min Scan# 1154

Delta R.T. -0.009 min

Lab File: VN067516.D

Acq: 25 Jun 2021 20:00

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 84 Resp: 1269

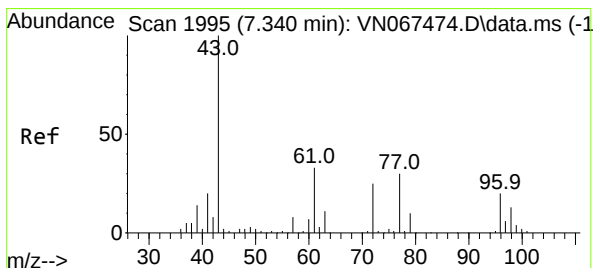
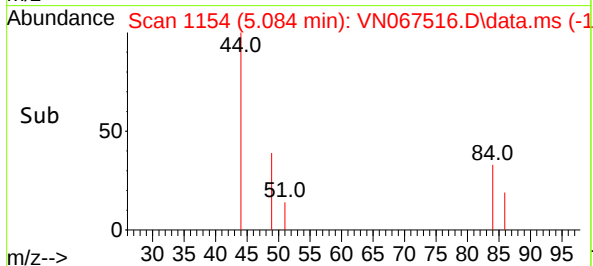
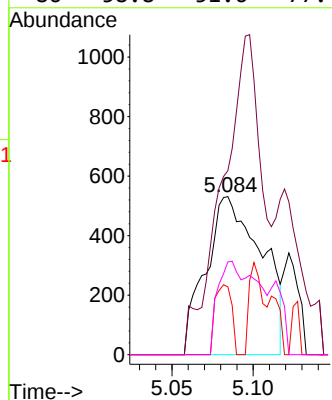
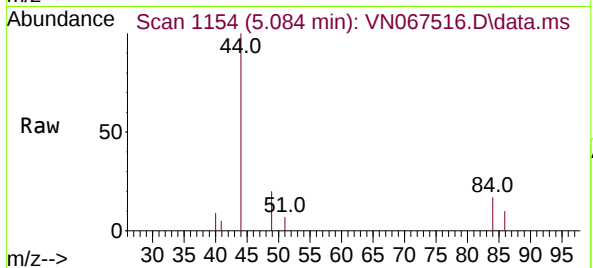
Ion Ratio Lower Upper

84 100

49 116.4 110.9 166.3

51 42.9 32.6 49.0

86 58.8 51.6 77.4



#25

2-Butanone

Concen: 0.98 ug/l

RT: 7.348 min Scan# 1998

Delta R.T. 0.008 min

Lab File: VN067516.D

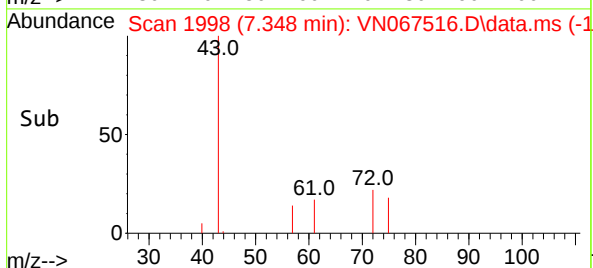
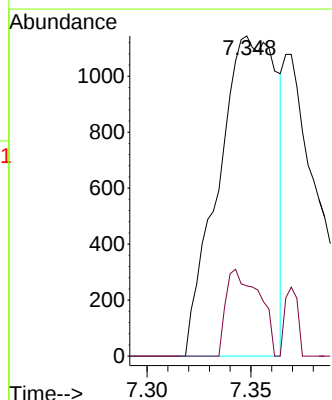
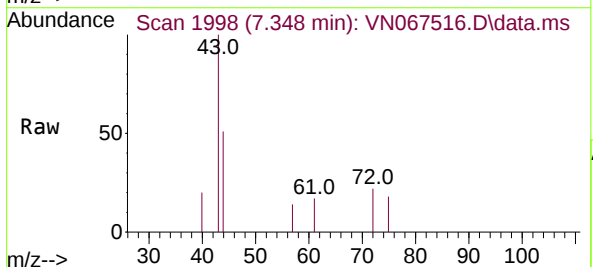
Acq: 25 Jun 2021 20:00

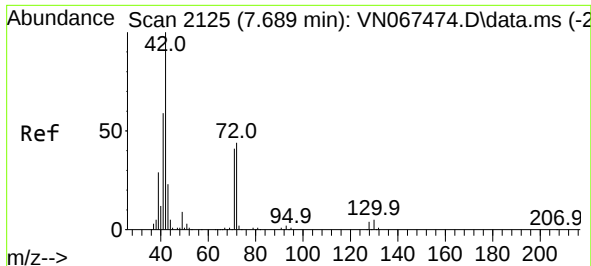
Tgt Ion: 43 Resp: 2235

Ion Ratio Lower Upper

43 100

72 21.9 19.7 29.5





#29

Tetrahydrofuran

Concen: 0.72 ug/l

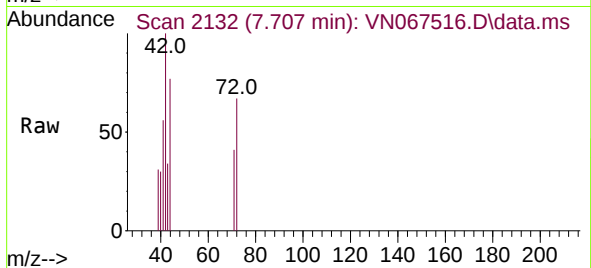
RT: 7.707 min Scan# 2132

Delta R.T. 0.018 min

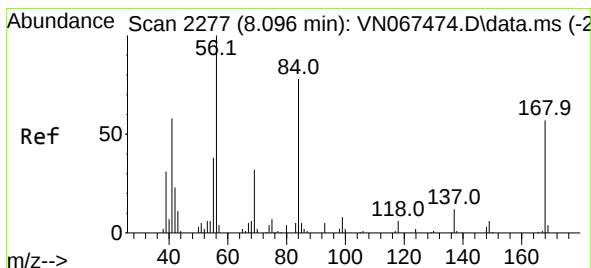
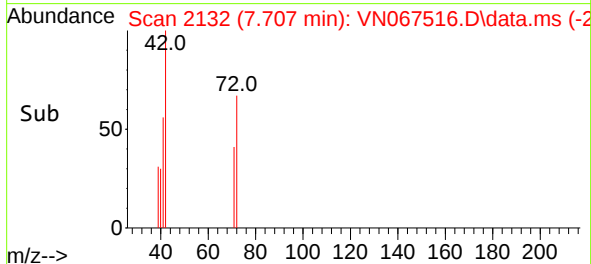
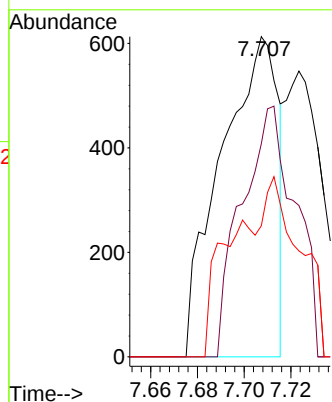
Lab File: VN067516.D

Acq: 25 Jun 2021 20:00

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:	42	72	71	Resp:	1034
Ion Ratio	100	73.9	37.8		
Lower		32.8	31.2		
Upper		49.2#	46.8		



#31

Cyclohexane

Concen: 1.34 ug/l

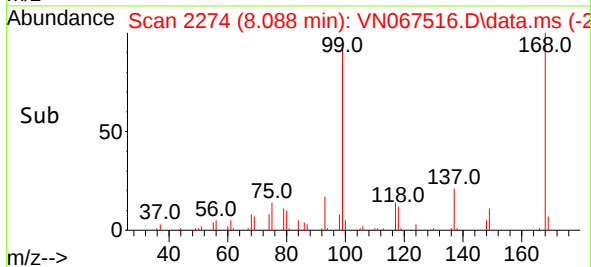
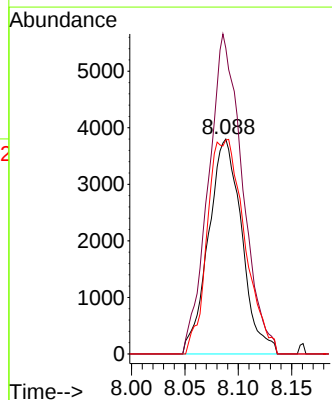
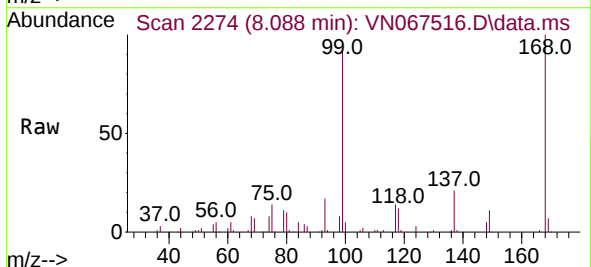
RT: 8.088 min Scan# 2274

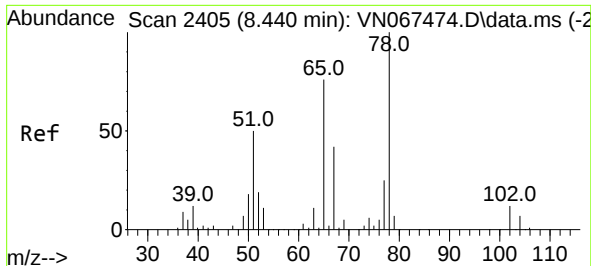
Delta R.T. -0.008 min

Lab File: VN067516.D

Acq: 25 Jun 2021 20:00

Tgt Ion:	56	69	84	Resp:	8237
Ion Ratio	100	142.3	99.6		
Lower		27.3	64.9		
Upper		40.9#	97.3#		





#33

1,2-Dichloroethane-d4

Concen: 55.13 ug/l

RT: 8.442 min Scan# 2406

Delta R.T. 0.002 min

Lab File: VN067516.D

Acq: 25 Jun 2021 20:00

Tgt Ion: 65 Resp: 211019

Ion Ratio Lower Upper

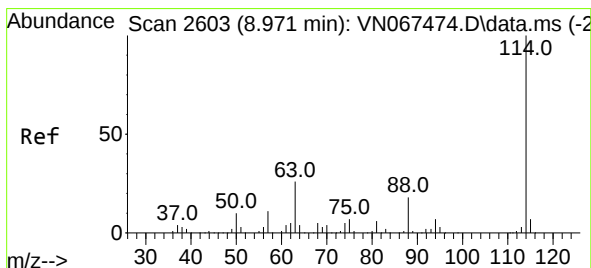
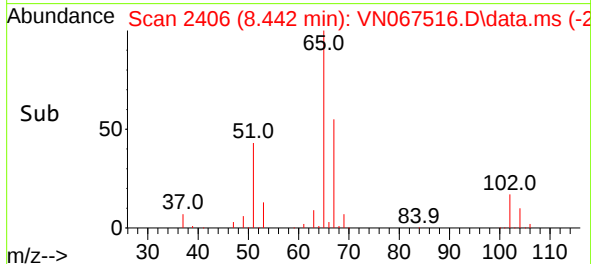
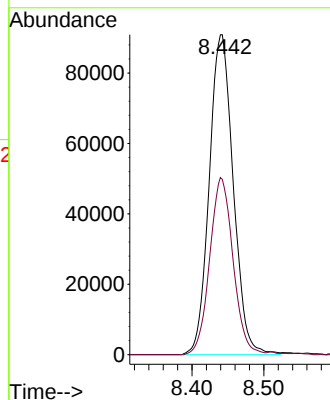
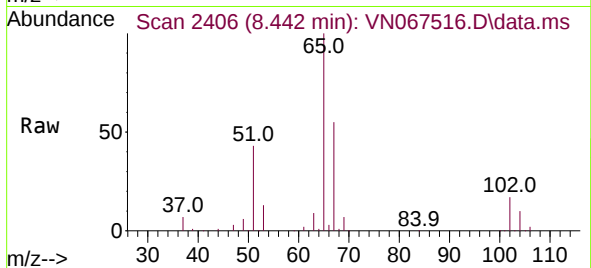
65 100

67 53.8 0.0 98.6

Instrument :

MSVOA_N

ClientSampled :



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.971 min Scan# 2603

Delta R.T. -0.000 min

Lab File: VN067516.D

Acq: 25 Jun 2021 20:00

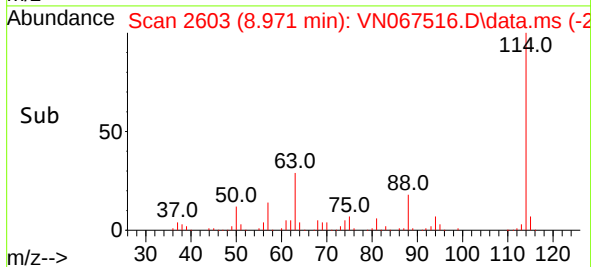
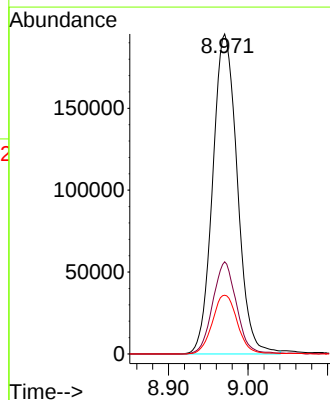
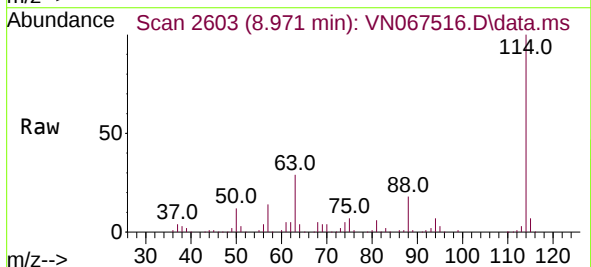
Tgt Ion: 114 Resp: 419611

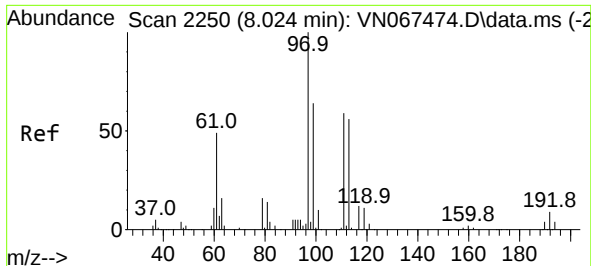
Ion Ratio Lower Upper

114 100

63 28.8 0.0 49.0

88 18.4 0.0 36.6

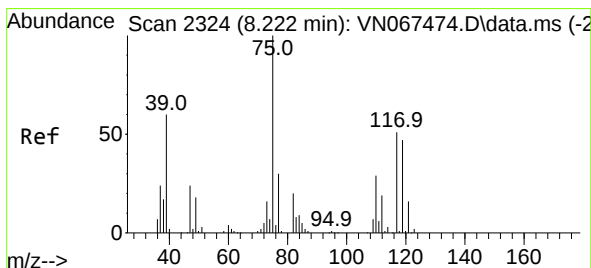
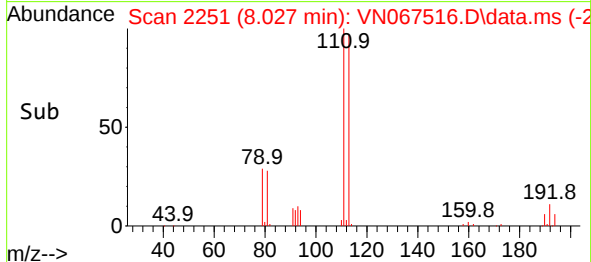
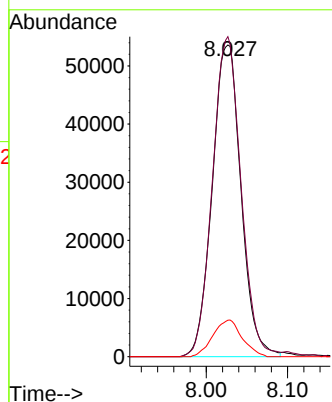
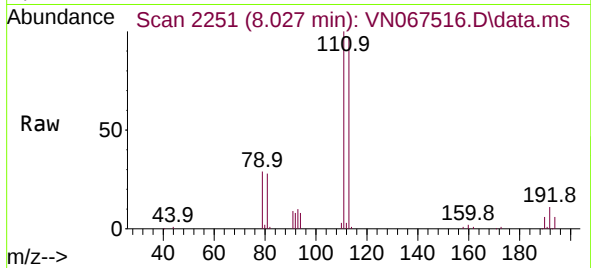




#35
Dibromofluoromethane
Concen: 51.03 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.003 min
Lab File: VN067516.D
Acq: 25 Jun 2021 20:00

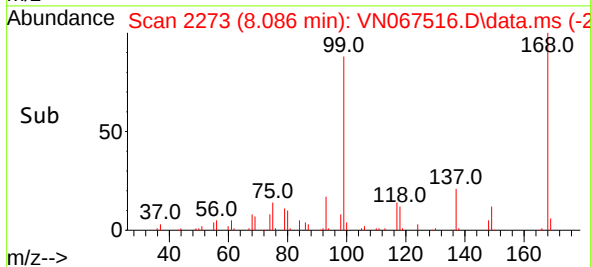
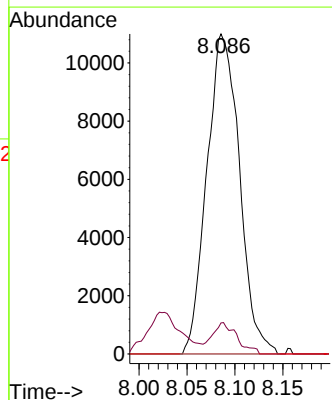
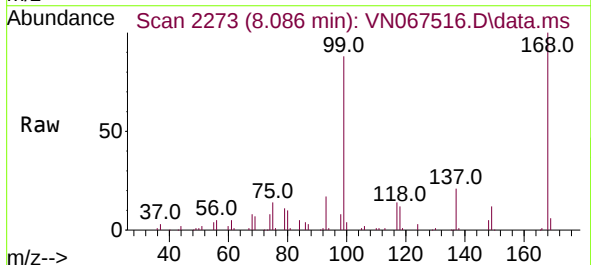
Instrument :
MSVOA_N
ClientSampled :

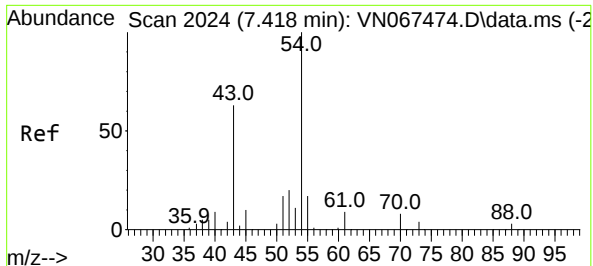
Tgt Ion:113 Resp: 131918
Ion Ratio Lower Upper
113 100
111 101.8 83.8 125.8
192 11.9 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 5.51 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN067516.D
Acq: 25 Jun 2021 20:00

Tgt Ion: 75 Resp: 26045
Ion Ratio Lower Upper
75 100
110 7.4 15.7 47.0#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 0.45 ug/l

RT: 7.348 min Scan# 1998

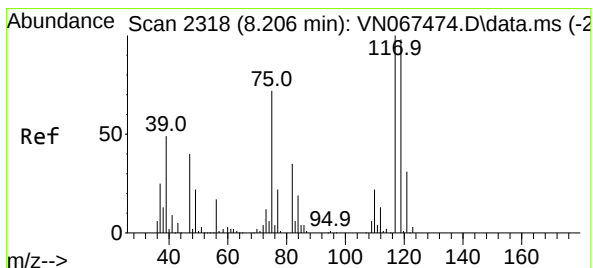
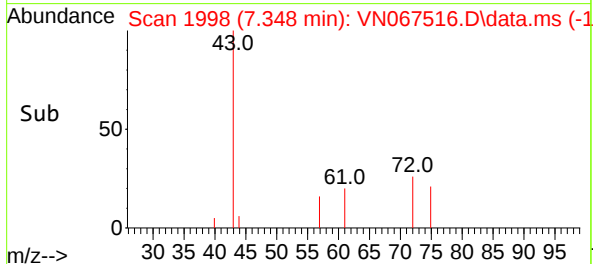
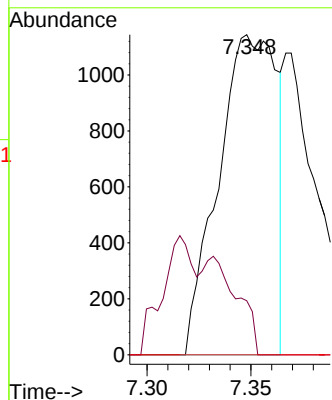
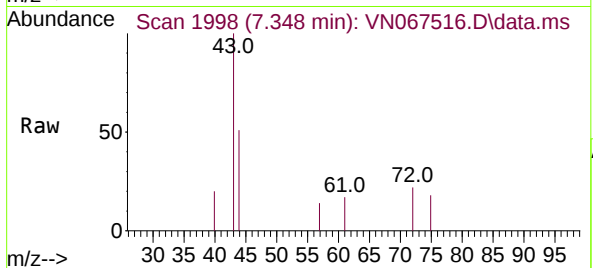
Delta R.T. -0.070 min

Lab File: VN067516.D

Acq: 25 Jun 2021 20:00

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:	43	Resp:	2235
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	16.0#
70	0.0	8.1	12.1#



#38

Carbon Tetrachloride

Concen: 6.38 ug/l

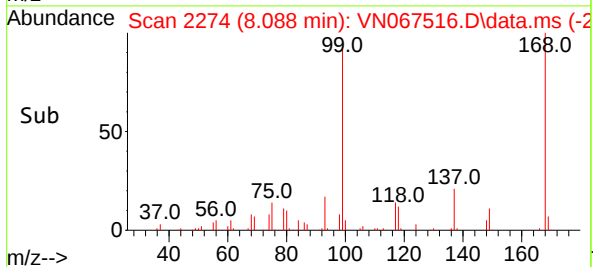
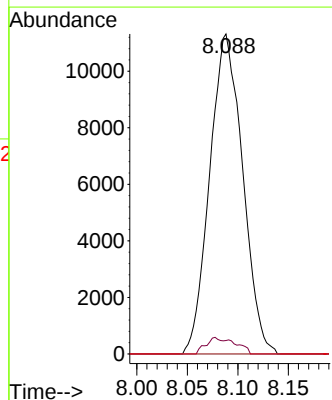
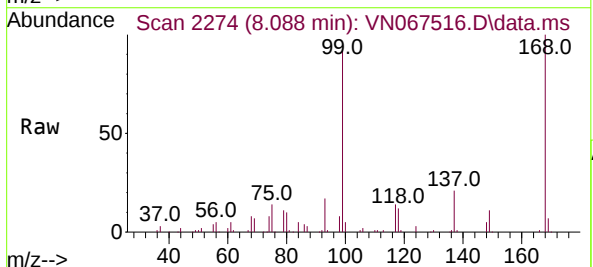
RT: 8.088 min Scan# 2274

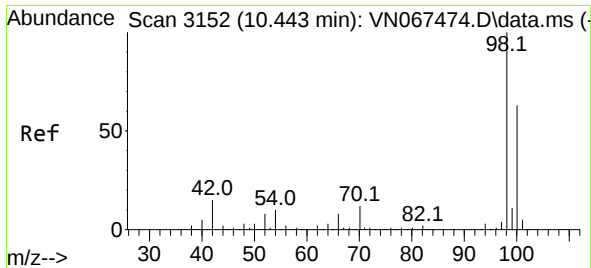
Delta R.T. -0.118 min

Lab File: VN067516.D

Acq: 25 Jun 2021 20:00

Tgt Ion:	117	Resp:	25678
Ion	Ratio	Lower	Upper
117	100		
119	4.2	75.4	113.2#
121	0.0	23.5	35.3#

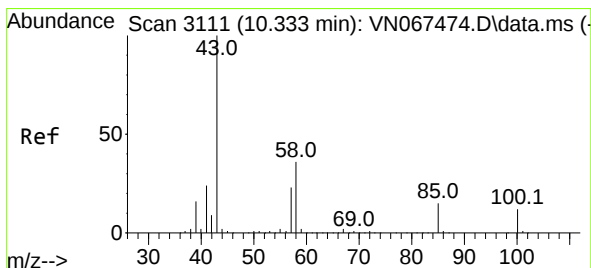
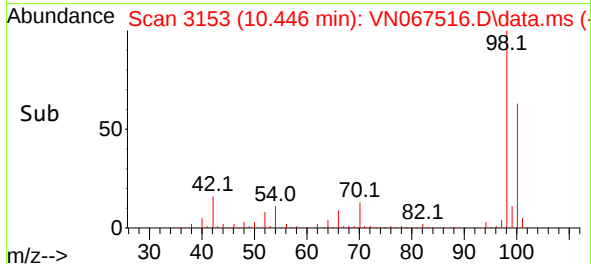
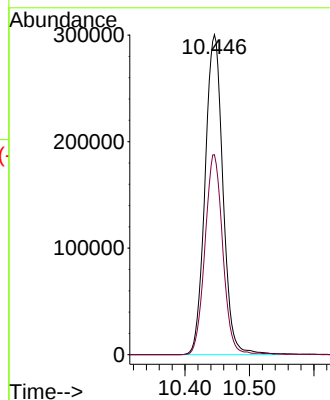
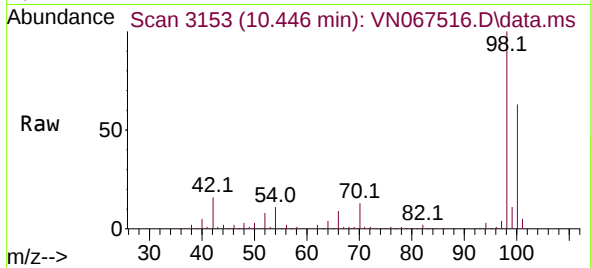




#50
Toluene-d8
Concen: 52.44 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN067516.D
Acq: 25 Jun 2021 20:00

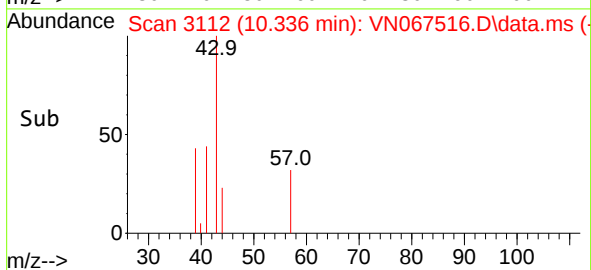
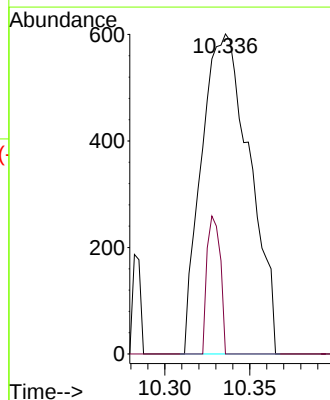
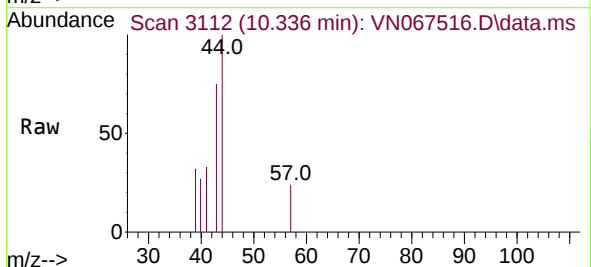
Instrument :
MSVOA_N
ClientSampled :

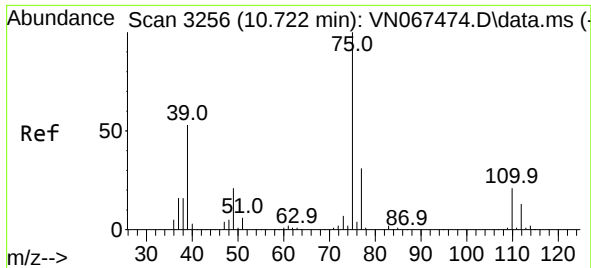
Tgt Ion: 98 Resp: 578194
Ion Ratio Lower Upper
98 100
100 62.1 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.24 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067516.D
Acq: 25 Jun 2021 20:00

Tgt Ion: 43 Resp: 1184
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#

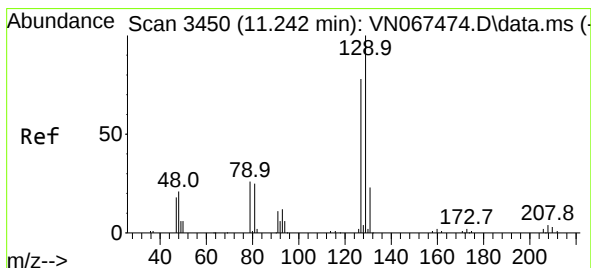
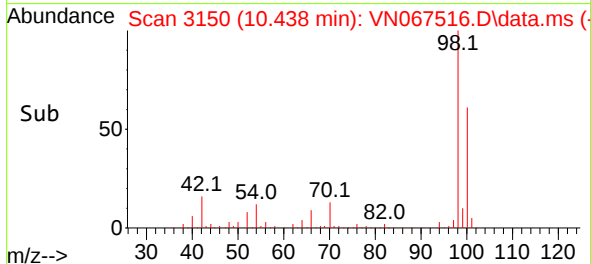
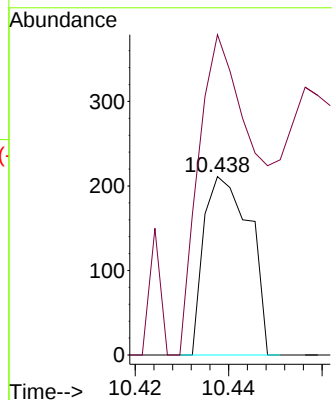
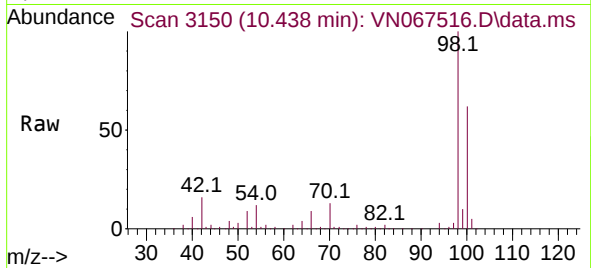




#53
t-1,3-Dichloropropene
Concen: 2.03 ug/l
RT: 10.438 min Scan# 3150
Delta R.T. -0.284 min
Lab File: VN067516.D
Acq: 25 Jun 2021 20:00

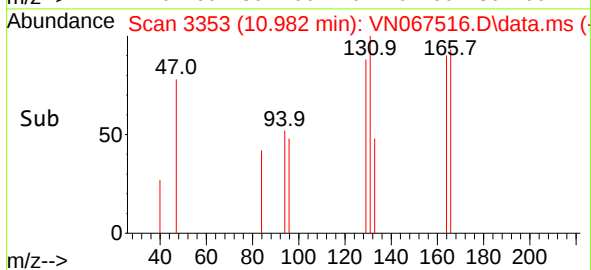
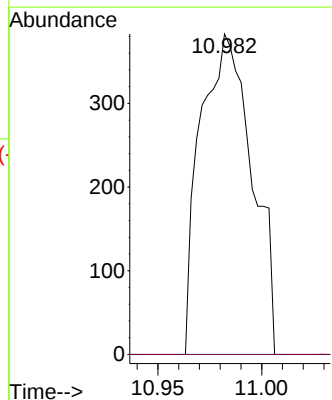
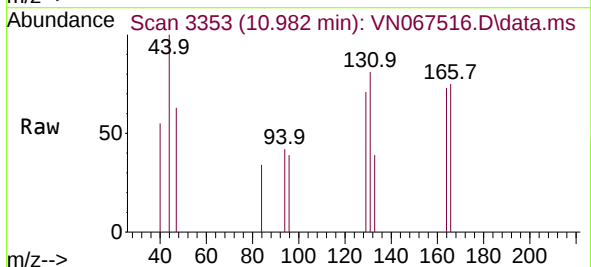
Instrument :
MSVOA_N
ClientSampled :

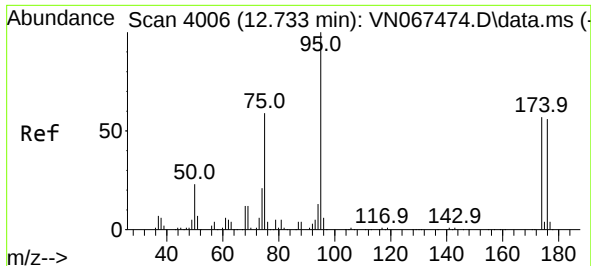
Tgt Ion: 75 Resp: 144
Ion Ratio Lower Upper
75 100
77 179.6 25.1 37.7#



#60
Dibromochloromethane
Concen: 2.23 ug/l
RT: 10.982 min Scan# 3353
Delta R.T. -0.260 min
Lab File: VN067516.D
Acq: 25 Jun 2021 20:00

Tgt Ion:129 Resp: 660
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

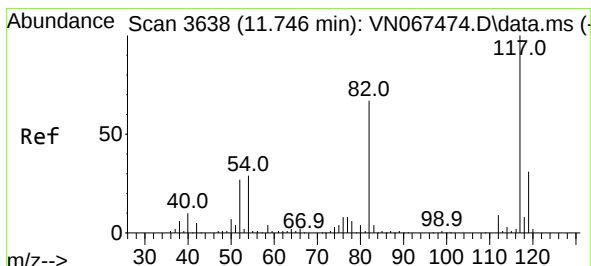
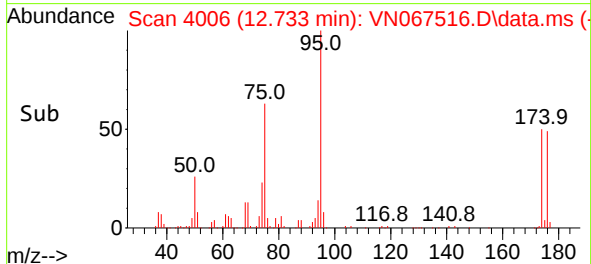
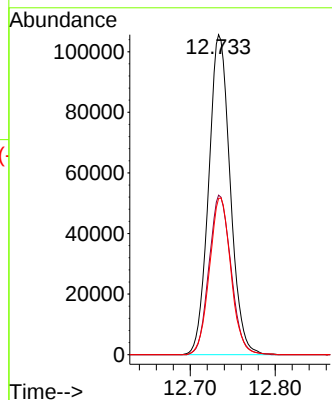
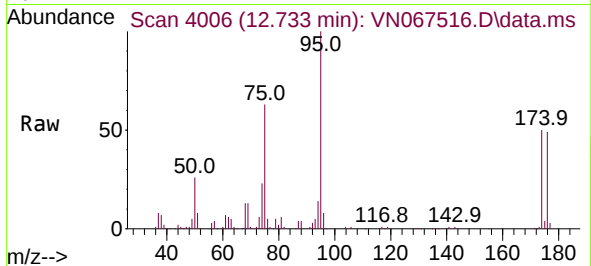




#62
4-Bromofluorobenzene
Concen: 47.35 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067516.D
Acq: 25 Jun 2021 20:00

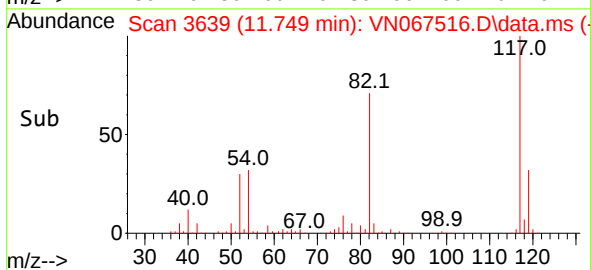
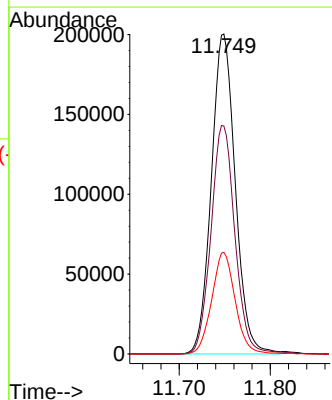
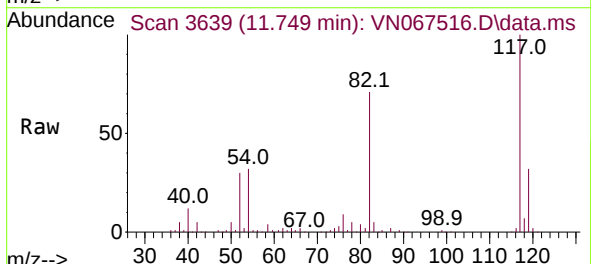
Instrument :
MSVOA_N
ClientSampleId :

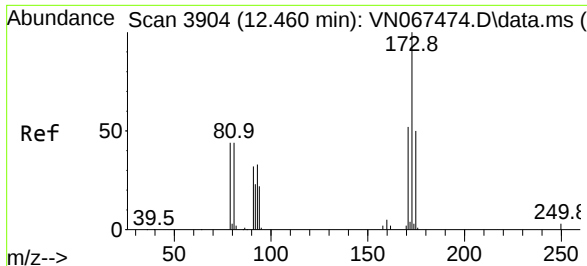
Tgt Ion: 95 Resp: 186016
Ion Ratio Lower Upper
95 100
174 50.7 0.0 122.0
176 48.7 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067516.D
Acq: 25 Jun 2021 20:00

Tgt Ion: 117 Resp: 365797
Ion Ratio Lower Upper
117 100
82 71.3 53.1 79.7
119 31.8 25.5 38.3

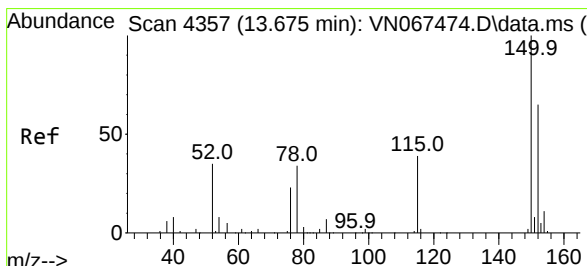
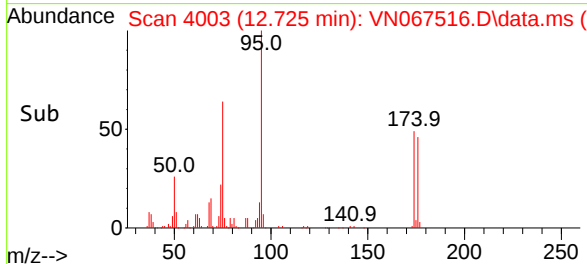
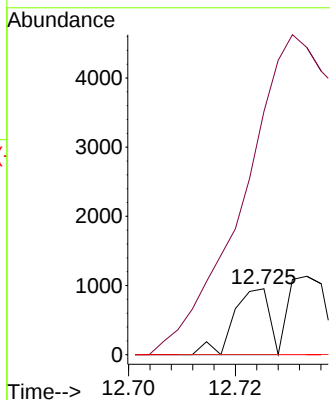
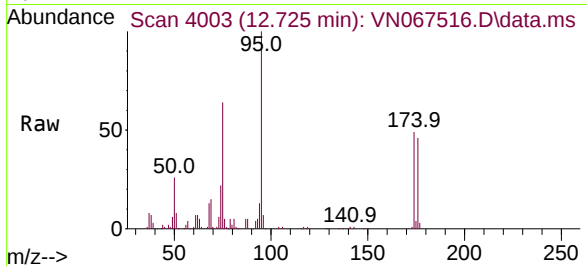




#71
Bromoform
Concen: 2.87 ug/l
RT: 12.725 min Scan# 4003
Delta R.T. 0.265 min
Lab File: VN067516.D
Acq: 25 Jun 2021 20:00

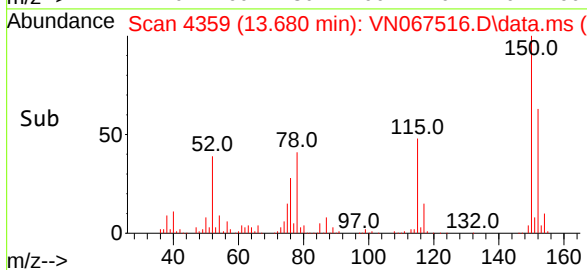
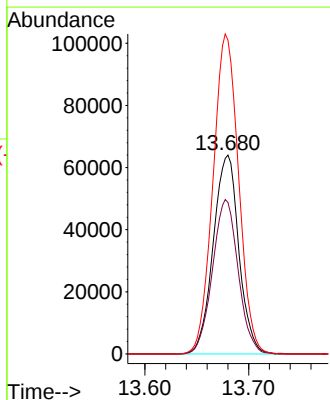
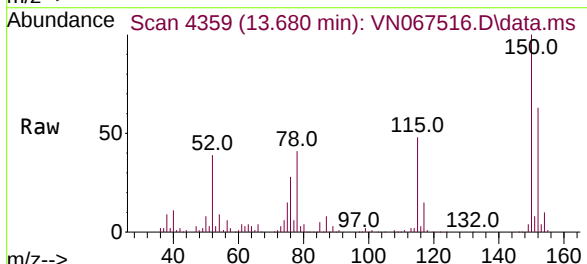
Instrument :
MSVOA_N
ClientSampleId :

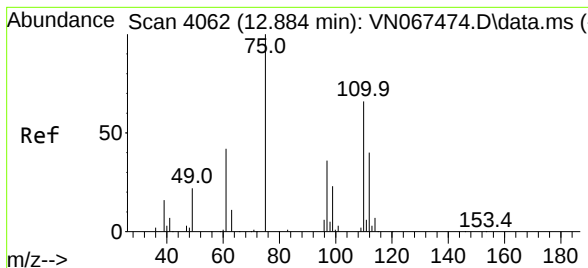
Tgt Ion:173 Resp: 437
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.680 min Scan# 4359
Delta R.T. 0.005 min
Lab File: VN067516.D
Acq: 25 Jun 2021 20:00

Tgt Ion:152 Resp: 109690
Ion Ratio Lower Upper
152 100
115 77.9 36.1 108.5
150 160.7 0.0 351.8

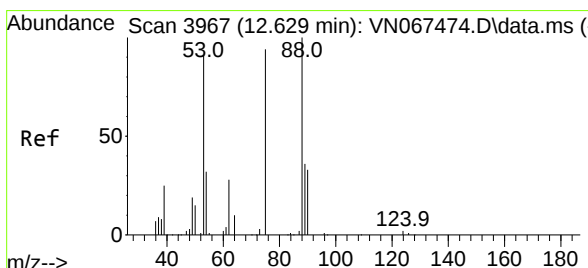
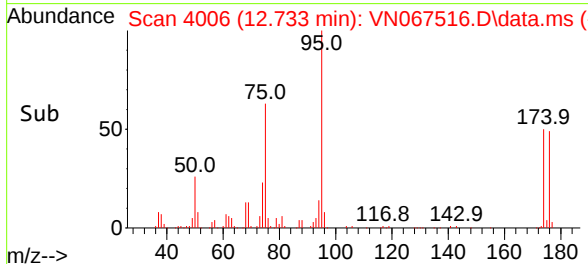
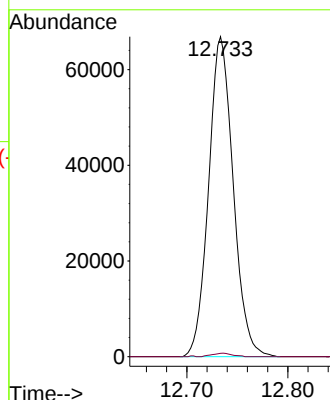
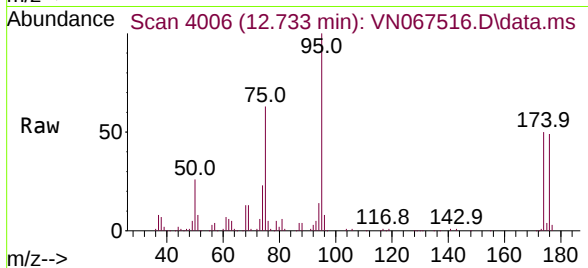




#76
1,2,3-Trichloropropane
Concen: 35.04 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067516.D
Acq: 25 Jun 2021 20:00

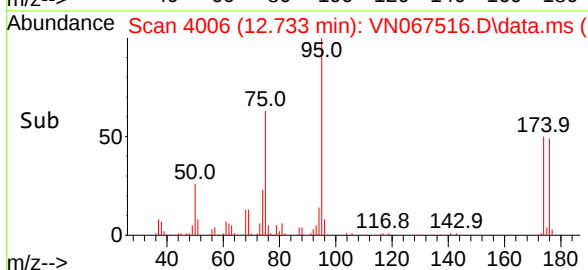
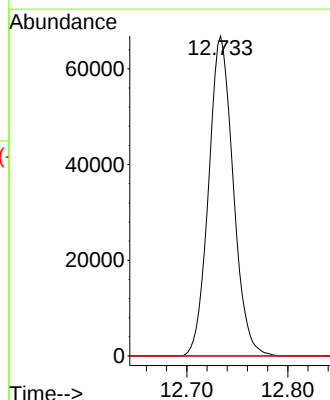
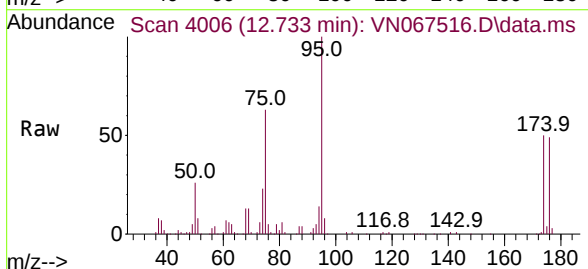
Instrument :
MSVOA_N
ClientSampled :

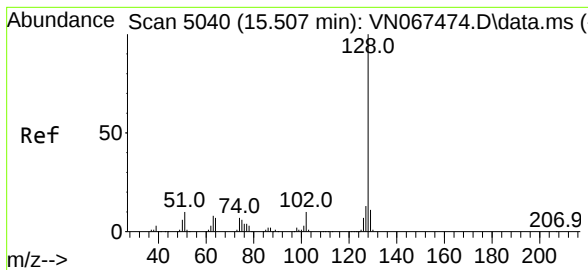
Tgt Ion: 75 Resp: 113135
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.89 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067516.D
Acq: 25 Jun 2021 20:00

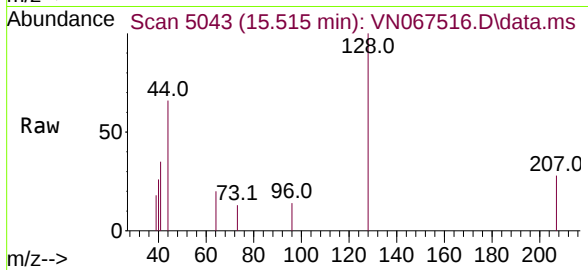
Tgt Ion: 75 Resp: 113135
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#





#95
Naphthalene
Concen: 3.62 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.008 min
Lab File: VN067516.D
Acq: 25 Jun 2021 20:00

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 1868
Ion Ratio Lower Upper
128 100
127 6.3 10.6 15.8#
129 2.7 8.6 12.8#

