

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080321\
 Data File : VN067984.D
 Acq On : 3 Aug 2021 16:11
 Operator : JC/MD
 Sample : PB138159TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 04 03:39:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 29 15:02:35 2021
 Response via : Initial Calibration

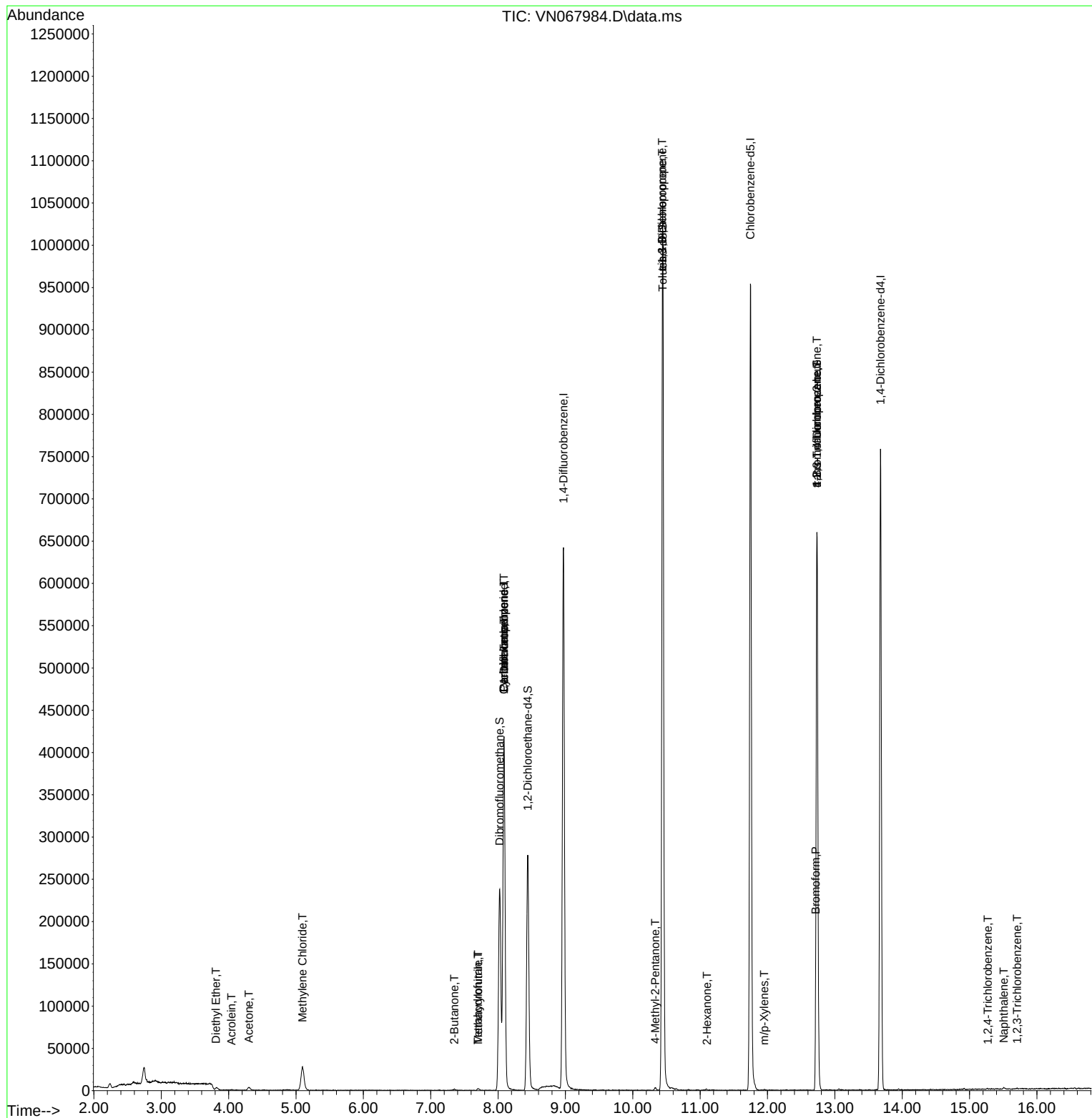
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	299161	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	579084	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	554330	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	195502	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	239678	56.593	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	113.180%
35) Dibromofluoromethane	8.021	113	180011	53.340	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	106.680%
50) Toluene-d8	10.443	98	728082	46.998	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	94.000%
62) 4-Bromofluorobenzene	12.734	95	241780	43.166	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	86.340%
Target Compounds						Qvalue
8) Diethyl Ether	3.813	74	732	0.358	ug/l	81
13) Acrolein	4.041	56	163	0.423	ug/l #	1
16) Acetone	4.299	43	5759	3.727	ug/l #	86
20) Methylene Chloride	5.095	84	22605	6.085	ug/l #	87
25) 2-Butanone	7.351	43	1531	0.683	ug/l #	51
29) Tetrahydrofuran	7.699	42	1203	0.838	ug/l #	55
31) Cyclohexane	8.086	56	7638	1.223	ug/l #	6
36) 1,1-Dichloropropene	8.086	75	27361	5.108	ug/l #	52
38) Carbon Tetrachloride	8.088	117	34340	6.519	ug/l #	16
41) Methacrylonitrile	7.705	41	639	0.266	ug/l #	32
51) 4-Methyl-2-Pentanone	10.333	43	2062	12.887	ug/l	97
53) t-1,3-Dichloropropene	10.438	75	87	2.845	ug/l #	52
54) cis-1,3-Dichloropropene	10.438	75	87	2.367	ug/l #	1
59) 2-Hexanone	11.100	43	936	13.491	ug/l	79
68) m/p-Xylenes	11.953	106	216	4.086	ug/l #	53
71) Bromoform	12.715	173	77	4.051	ug/l #	29
76) 1,2,3-Trichloropropane	12.734	75	135971	34.631	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	135971	92.765	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.271	180	431	2.611	ug/l #	56
95) Naphthalene	15.507	128	1924	3.341	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.705	180	514	2.549	ug/l #	65

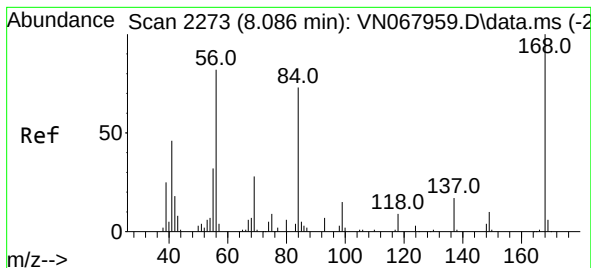
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 29 15:02:35 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.002 min

Lab File: VN067984.D

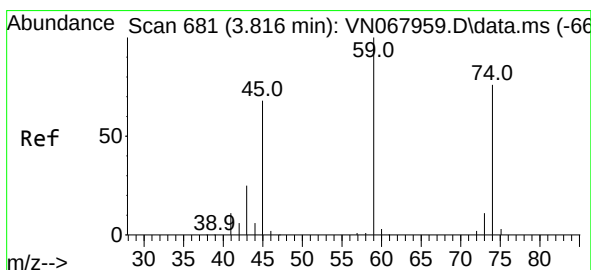
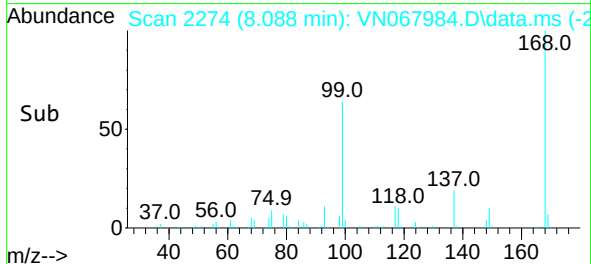
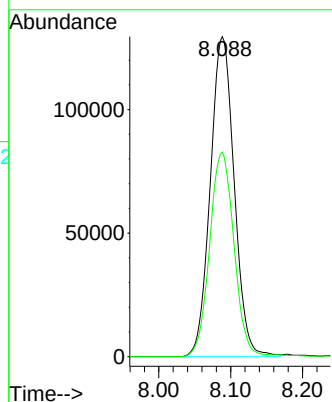
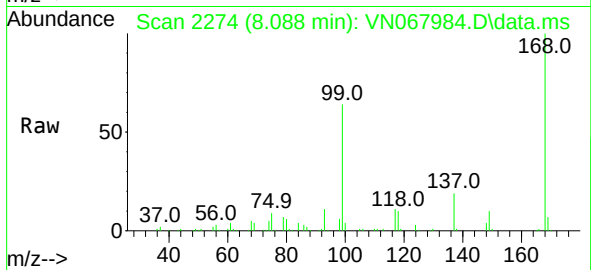
Acq: 3 Aug 2021 16:11

Tgt Ion:168 Resp: 299161

Ion Ratio Lower Upper

168 100

99 64.0 62.9 94.3



#8

Diethyl Ether

Concen: 0.358 ug/l

RT: 3.813 min Scan# 680

Delta R.T. -0.003 min

Lab File: VN067984.D

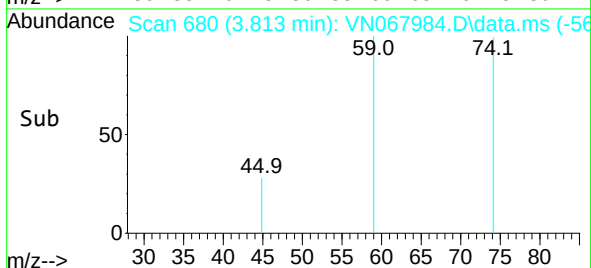
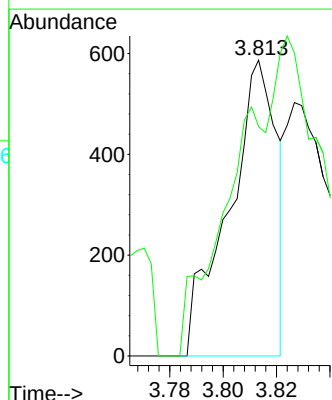
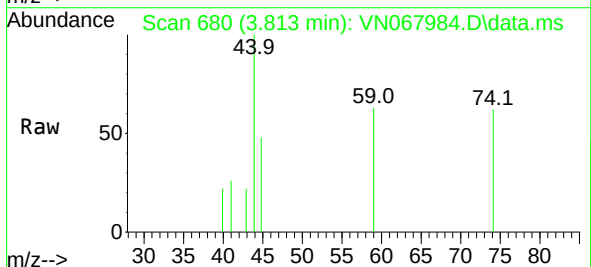
Acq: 3 Aug 2021 16:11

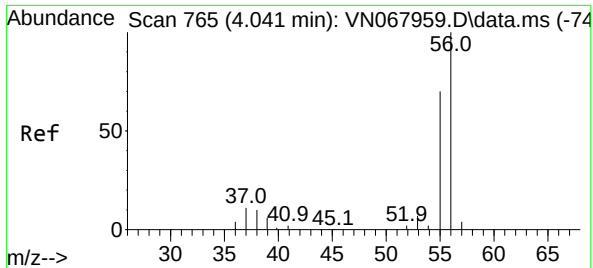
Tgt Ion: 74 Resp: 732

Ion Ratio Lower Upper

74 100

45 81.0 50.2 150.7

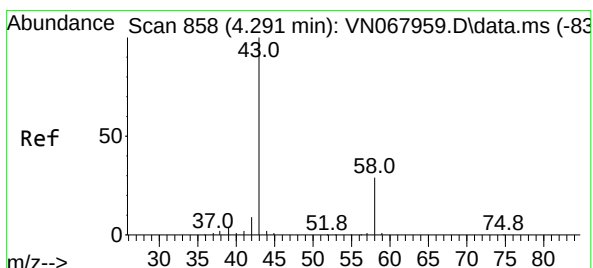
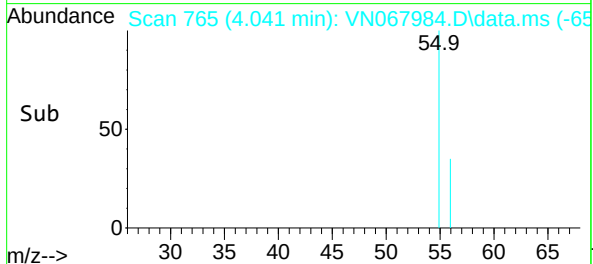
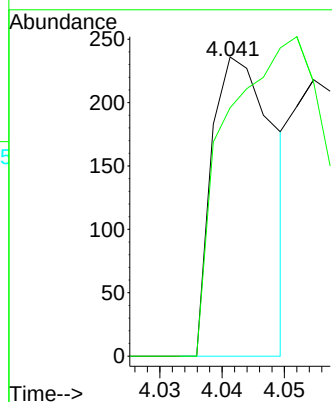
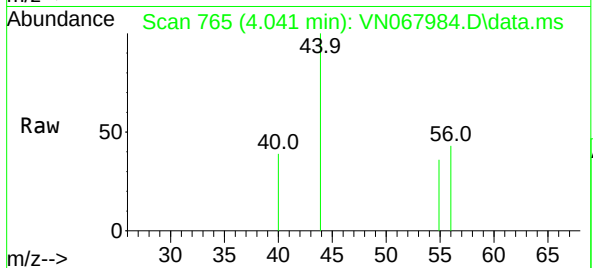




#13
Acrolein
Concen: 0.423 ug/l
RT: 4.041 min Scan# 765
Delta R.T. 0.000 min
Lab File: VN067984.D
Acq: 3 Aug 2021 16:11

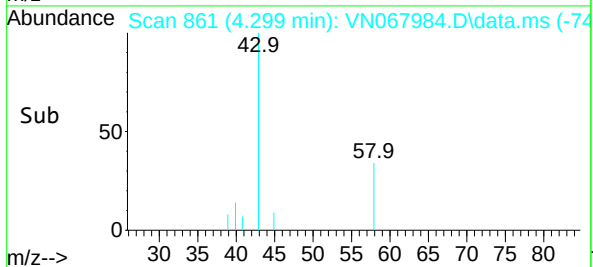
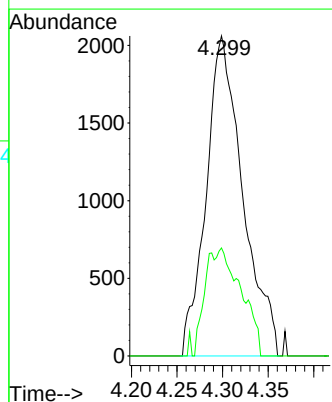
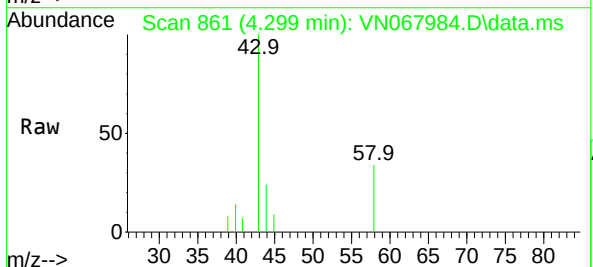
Instrument :
MSVOA_N
ClientSampled :

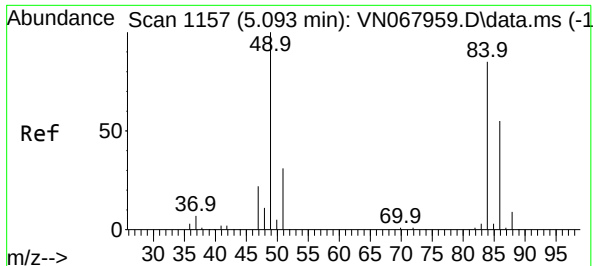
Tgt Ion: 56 Resp: 163
Ion Ratio Lower Upper
56 100
55 163.8 57.4 86.0#



#16
Acetone
Concen: 3.727 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.008 min
Lab File: VN067984.D
Acq: 3 Aug 2021 16:11

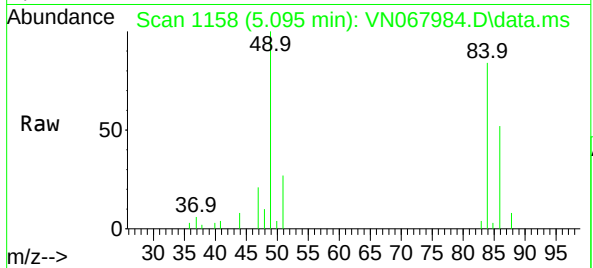
Tgt Ion: 43 Resp: 5759
Ion Ratio Lower Upper
43 100
58 33.7 21.2 31.8#



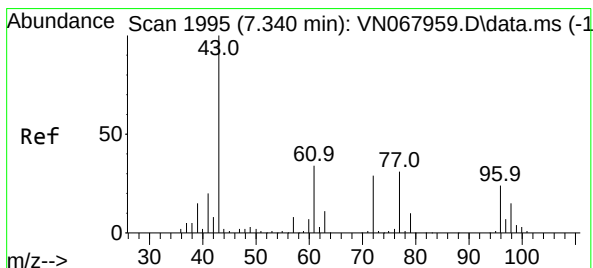
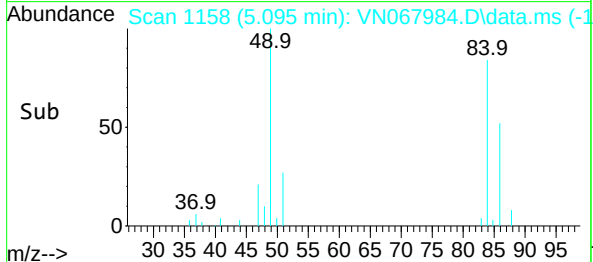
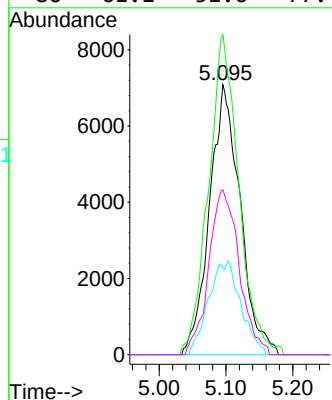


#20
Methylene Chloride
Concen: 6.085 ug/l
RT: 5.095 min Scan# 1158
Delta R.T. 0.002 min
Lab File: VN067984.D
Acq: 3 Aug 2021 16:11

Instrument :
MSVOA_N
ClientSampled :

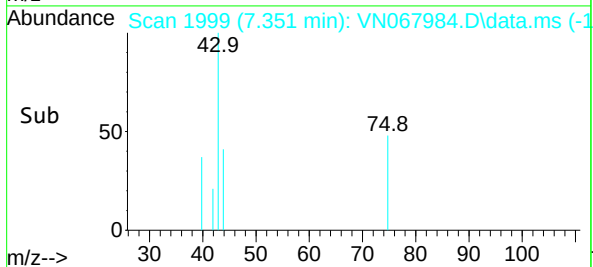
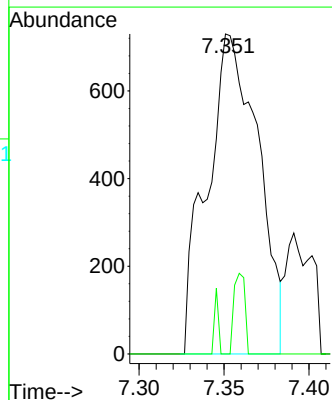
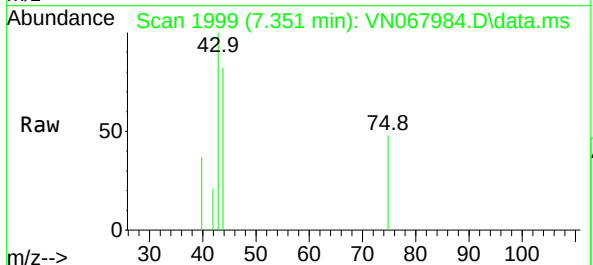


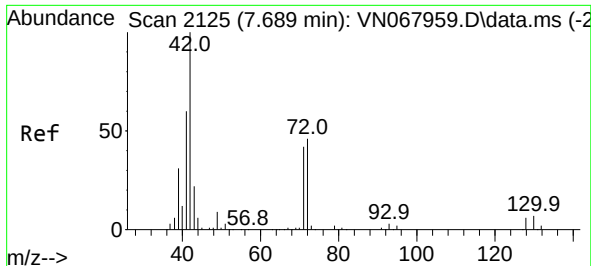
Tgt Ion: 84 Resp: 22605
Ion Ratio Lower Upper
84 100
49 118.6 110.9 166.3
51 31.9 32.6 49.0#
86 61.1 51.6 77.4



#25
2-Butanone
Concen: 0.683 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.011 min
Lab File: VN067984.D
Acq: 3 Aug 2021 16:11

Tgt Ion: 43 Resp: 1531
Ion Ratio Lower Upper
43 100
72 0.0 19.7 29.5#





#29

Tetrahydrofuran

Concen: 0.838 ug/l

RT: 7.699 min Scan# 2129

Delta R.T. 0.010 min

Lab File: VN067984.D

Acq: 3 Aug 2021 16:11

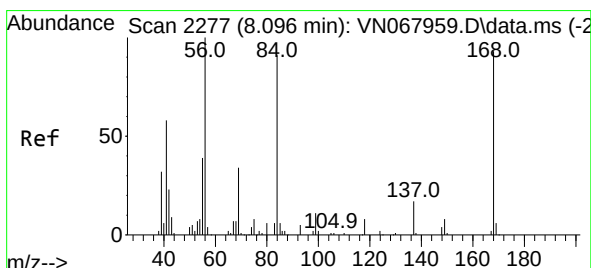
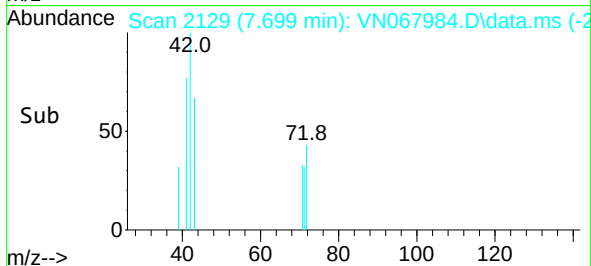
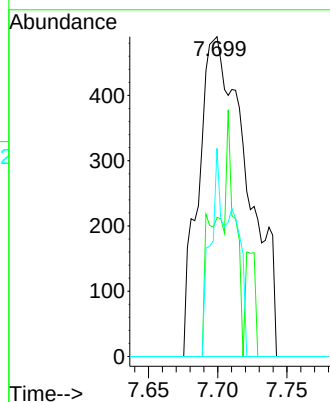
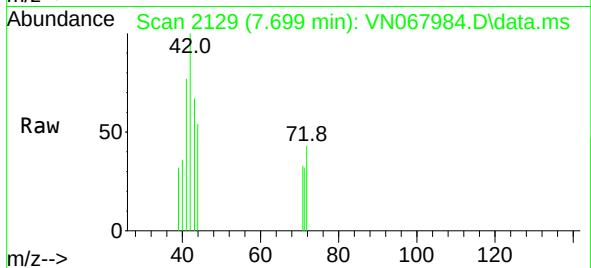
Tgt Ion: 42 Resp: 1203

Ion Ratio Lower Upper

42 100

72 8.2 32.8 49.2#

71 16.5 31.2 46.8#



#31

Cyclohexane

Concen: 1.223 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.010 min

Lab File: VN067984.D

Acq: 3 Aug 2021 16:11

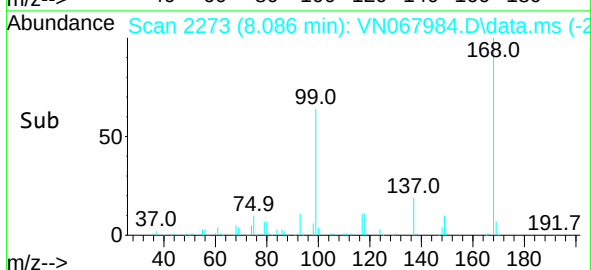
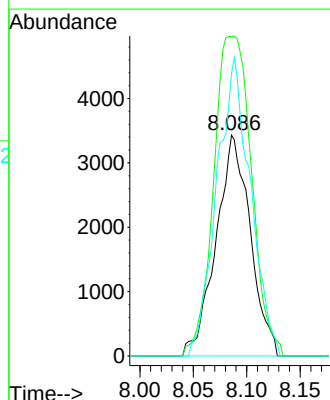
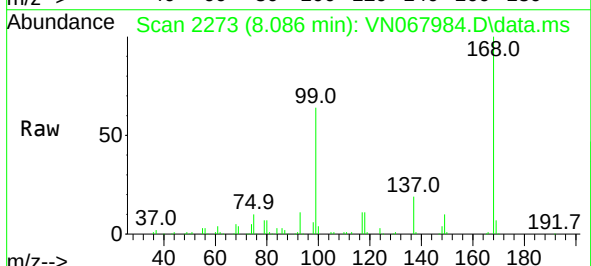
Tgt Ion: 56 Resp: 7638

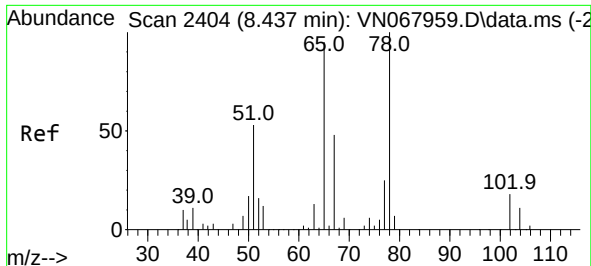
Ion Ratio Lower Upper

56 100

69 144.6 27.3 40.9#

84 128.0 64.9 97.3#

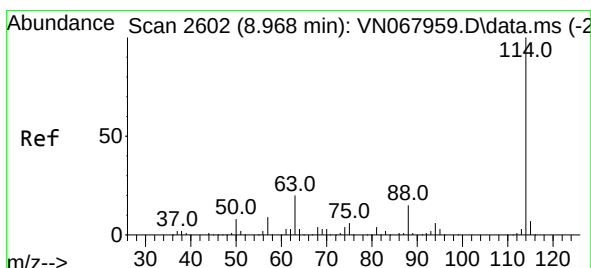
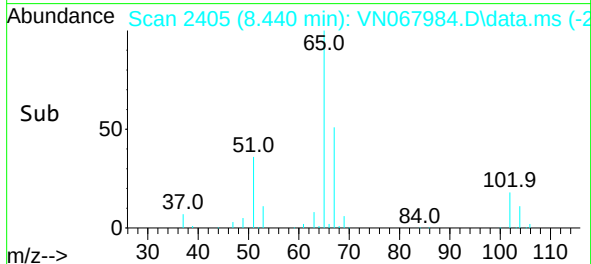
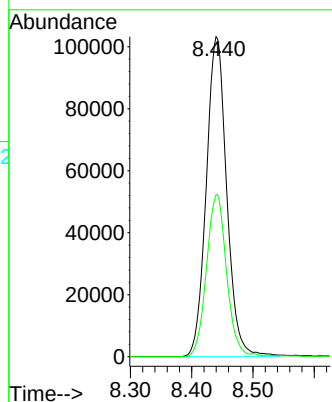
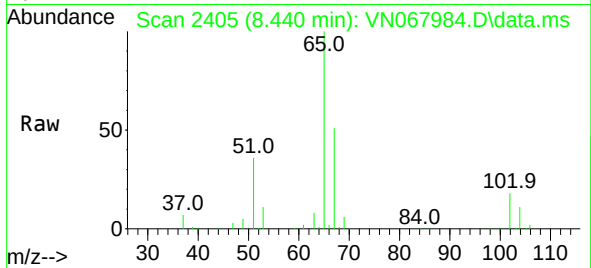




#33
1,2-Dichloroethane-d4
Concen: 56.593 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN067984.D
Acq: 3 Aug 2021 16:11

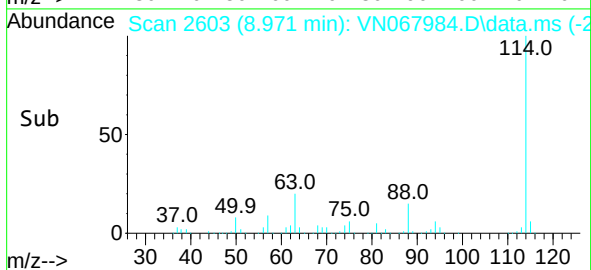
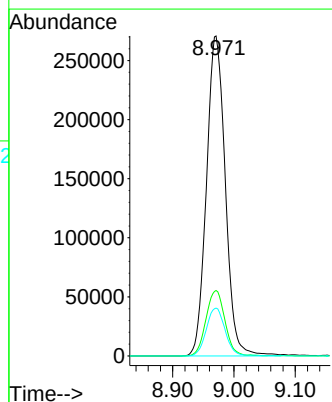
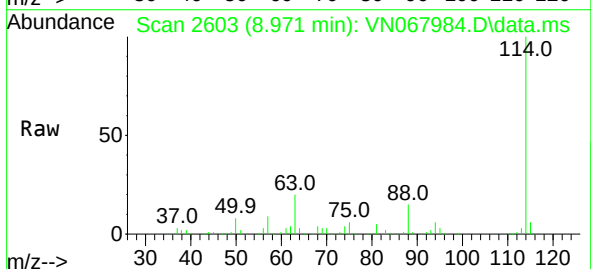
Instrument :
MSVOA_N
ClientSampled :

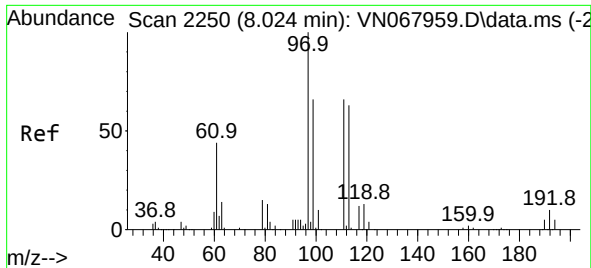
Tgt Ion: 65 Resp: 239678
Ion Ratio Lower Upper
65 100
67 49.3 0.0 98.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067984.D
Acq: 3 Aug 2021 16:11

Tgt Ion: 114 Resp: 579084
Ion Ratio Lower Upper
114 100
63 20.5 0.0 49.0
88 15.0 0.0 36.6

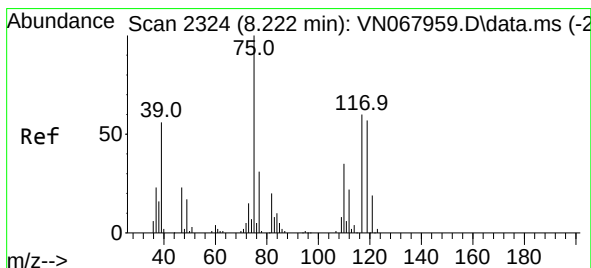
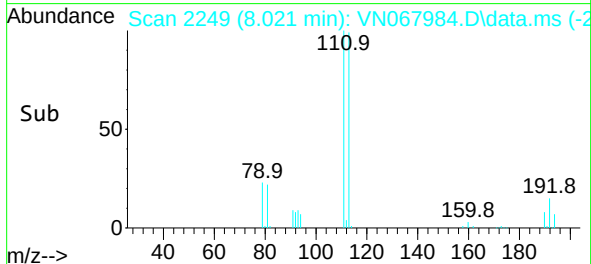
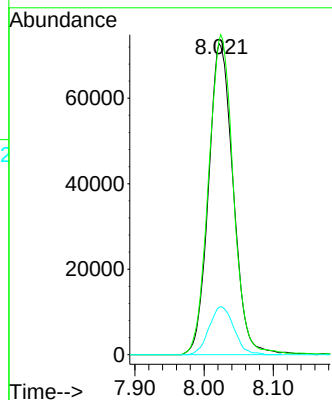
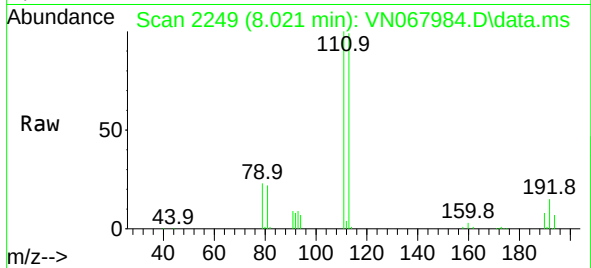




#35
Dibromofluoromethane
Concen: 53.340 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. -0.003 min
Lab File: VN067984.D
Acq: 3 Aug 2021 16:11

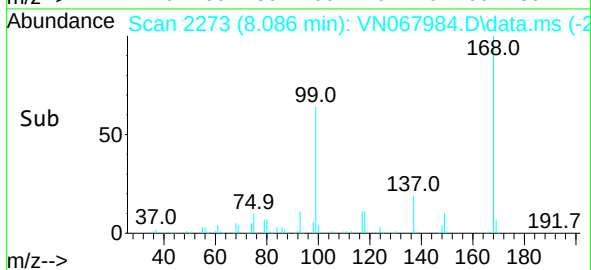
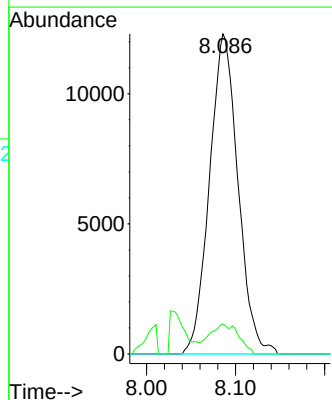
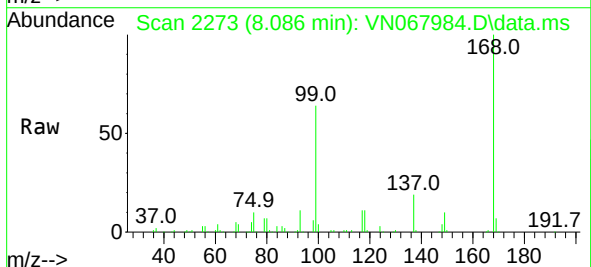
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MSVOA_N
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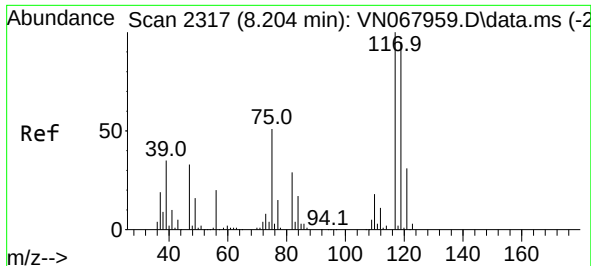
Tgt Ion:113 Resp: 180011
Ion Ratio Lower Upper
113 100
111 103.2 83.8 125.8
192 15.6 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.108 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN067984.D
Acq: 3 Aug 2021 16:11

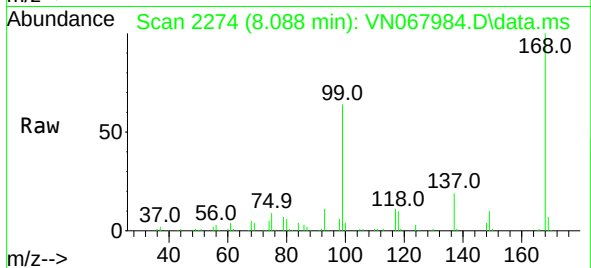
Tgt Ion: 75 Resp: 27361
Ion Ratio Lower Upper
75 100
110 9.4 15.7 47.0#
77 0.0 24.6 37.0#



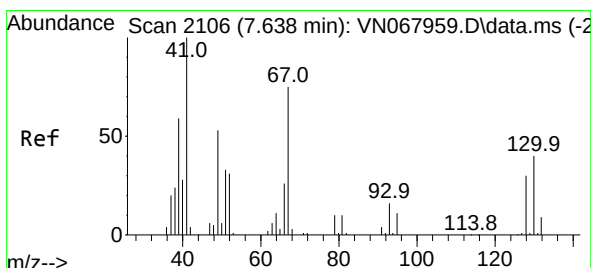
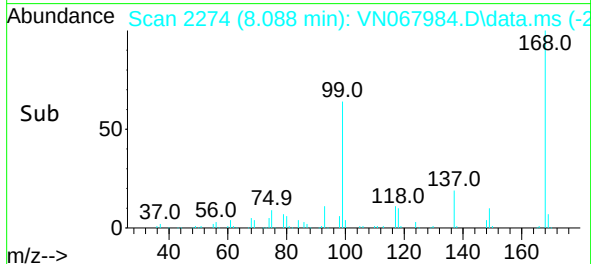
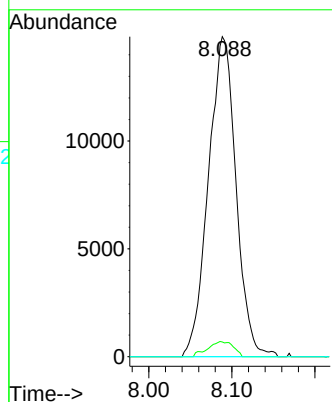


#38
Carbon Tetrachloride
Concen: 6.519 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.116 min
Lab File: VN067984.D
Acq: 3 Aug 2021 16:11

Instrument :
MSVOA_N
ClientSampleId :

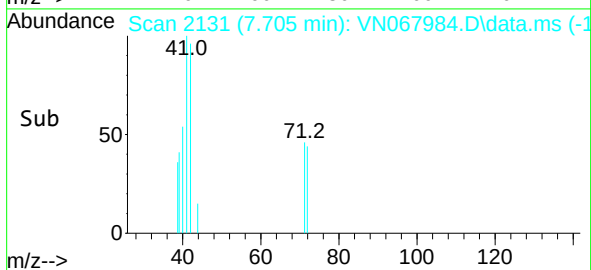
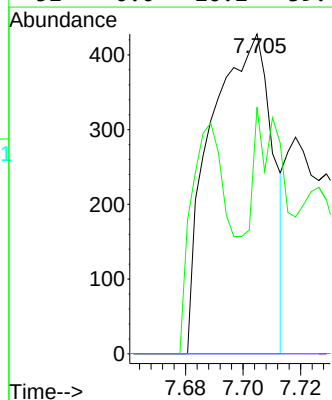
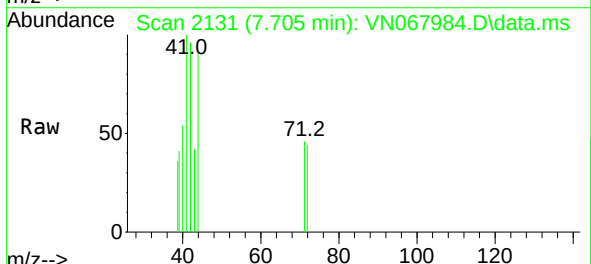


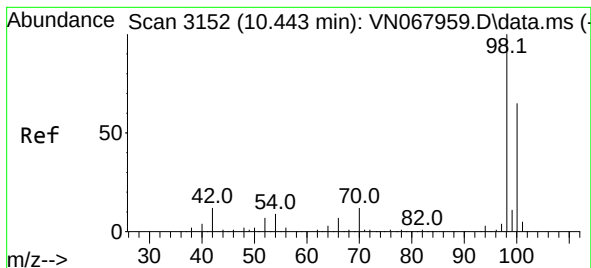
Tgt Ion:117 Resp: 34340
Ion Ratio Lower Upper
117 100
119 4.6 75.4 113.2#
121 0.0 23.5 35.3#



#41
Methacrylonitrile
Concen: 0.266 ug/l
RT: 7.705 min Scan# 2131
Delta R.T. 0.067 min
Lab File: VN067984.D
Acq: 3 Aug 2021 16:11

Tgt Ion: 41 Resp: 639
Ion Ratio Lower Upper
41 100
39 20.2 47.6 71.4#
67 0.0 57.7 86.5#
52 0.0 26.2 39.4#

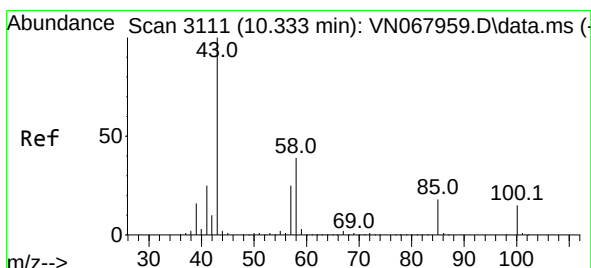
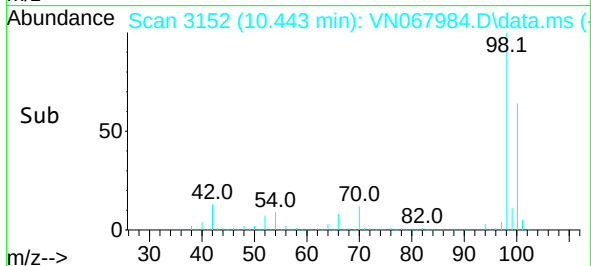
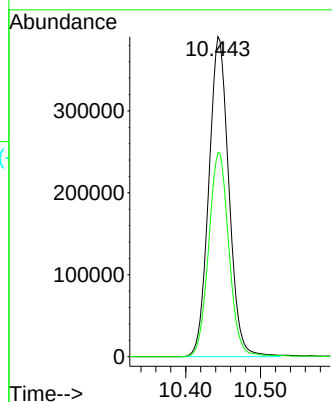
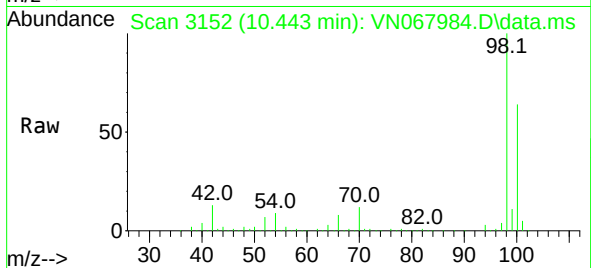




#50
Toluene-d8
Concen: 46.998 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067984.D
Acq: 3 Aug 2021 16:11

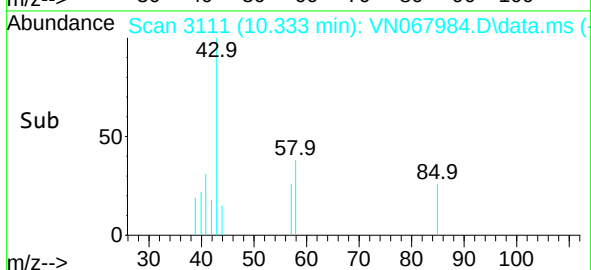
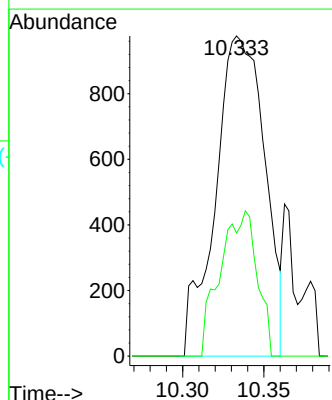
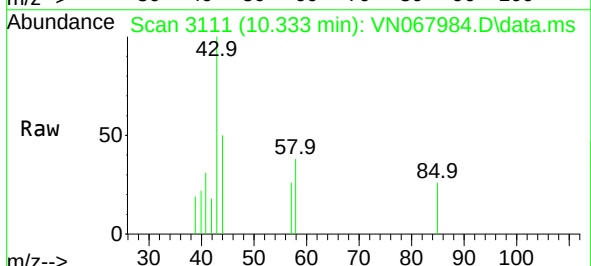
Instrument :
MSVOA_N
ClientSampled :

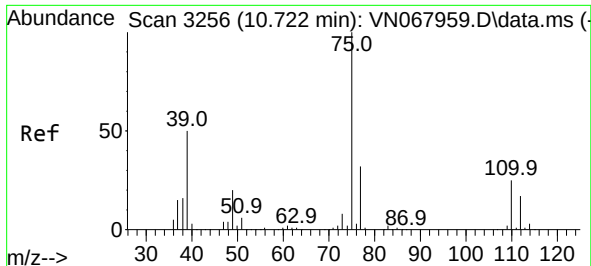
Tgt Ion: 98 Resp: 728082
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 12.887 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN067984.D
Acq: 3 Aug 2021 16:11

Tgt Ion: 43 Resp: 2062
Ion Ratio Lower Upper
43 100
58 34.1 28.6 43.0

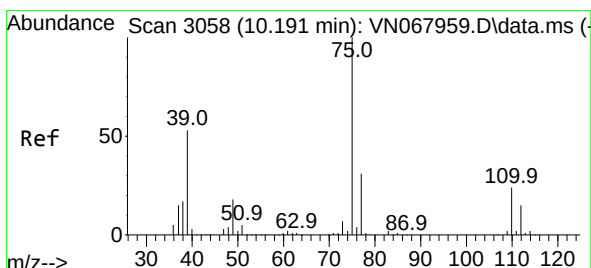
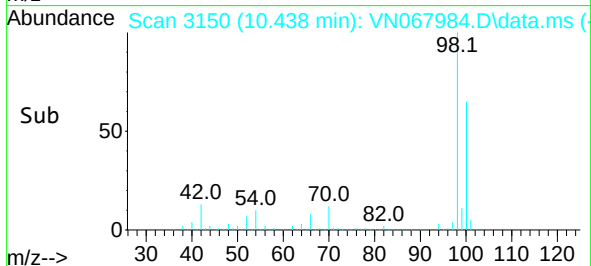
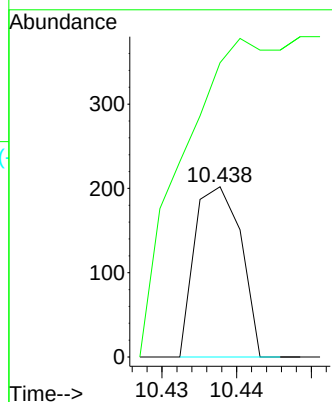
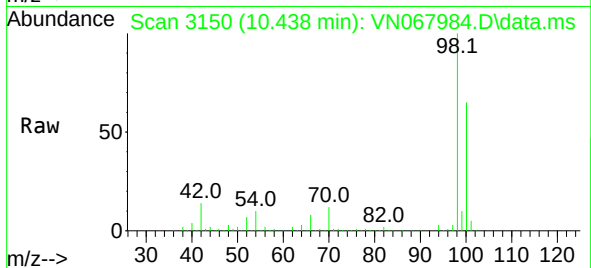




#53
t-1,3-Dichloropropene
Concen: 2.845 ug/l
RT: 10.438 min Scan# 3150
Delta R.T. -0.284 min
Lab File: VN067984.D
Acq: 3 Aug 2021 16:11

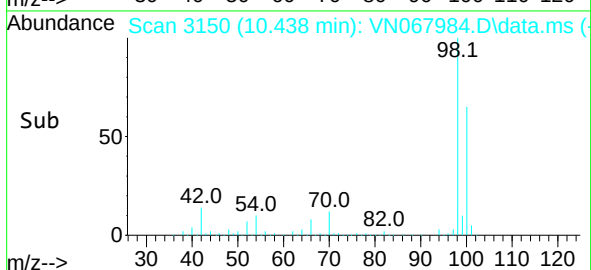
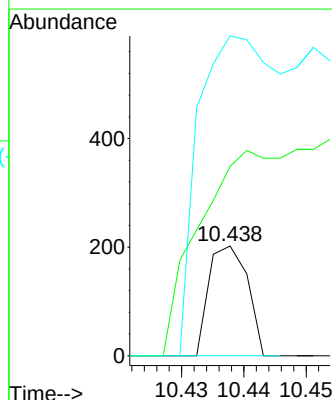
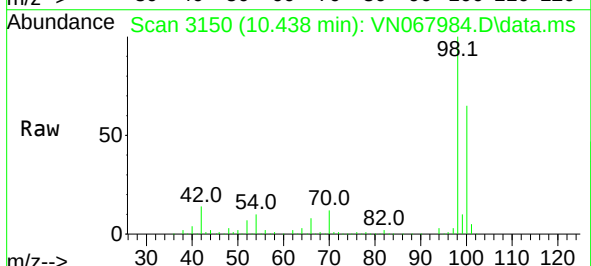
Instrument :
MSVOA_N
ClientSampled :

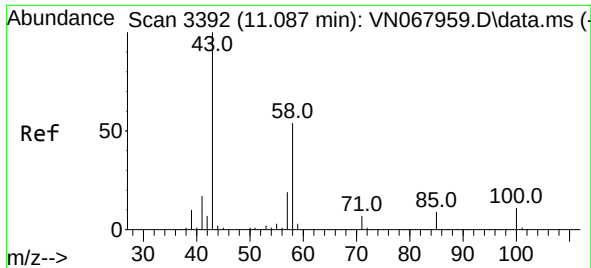
Tgt Ion: 75 Resp: 87
Ion Ratio Lower Upper
75 100
77 57.9 25.1 37.7#



#54
cis-1,3-Dichloropropene
Concen: 2.367 ug/l
RT: 10.438 min Scan# 3150
Delta R.T. 0.247 min
Lab File: VN067984.D
Acq: 3 Aug 2021 16:11

Tgt Ion: 75 Resp: 87
Ion Ratio Lower Upper
75 100
77 85.6 24.6 37.0#
39 291.6 50.7 76.1#

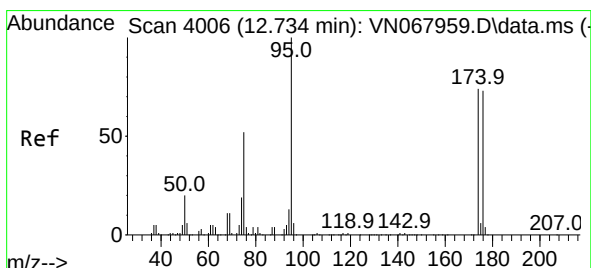
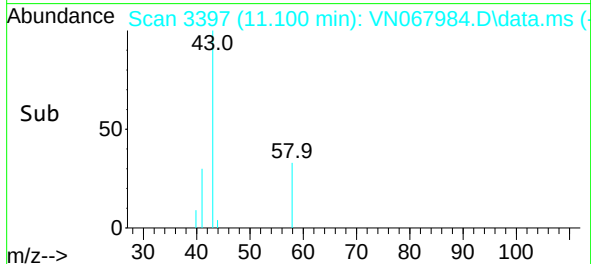
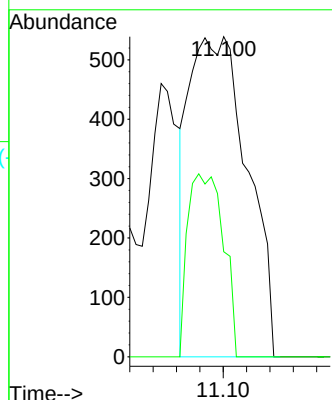
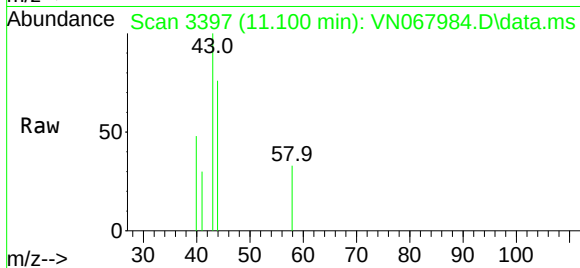




#59
2-Hexanone
Concen: 13.491 ug/l
RT: 11.100 min Scan# 3397
Delta R.T. 0.013 min
Lab File: VN067984.D
Acq: 3 Aug 2021 16:11

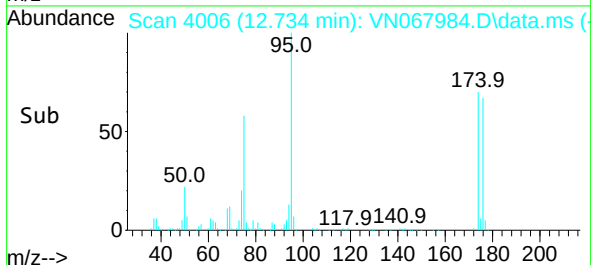
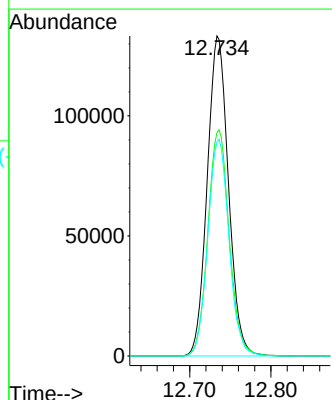
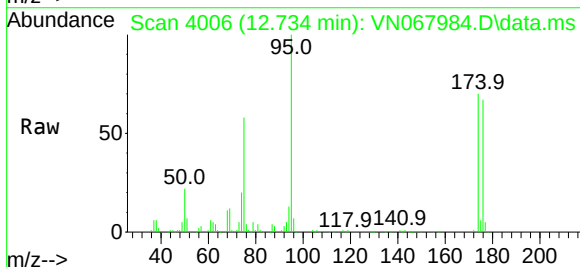
Instrument :
MSVOA_N
ClientSampled :

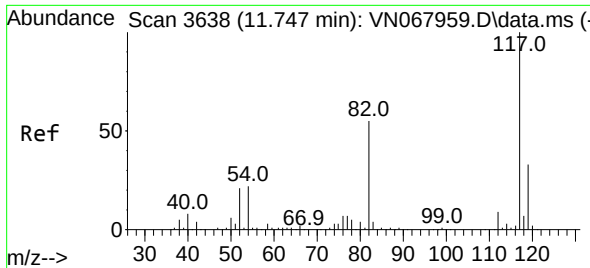
Tgt Ion: 43 Resp: 936
Ion Ratio Lower Upper
43 100
58 34.7 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 43.166 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN067984.D
Acq: 3 Aug 2021 16:11

Tgt Ion: 95 Resp: 241780
Ion Ratio Lower Upper
95 100
174 71.3 0.0 122.0
176 67.5 0.0 117.6

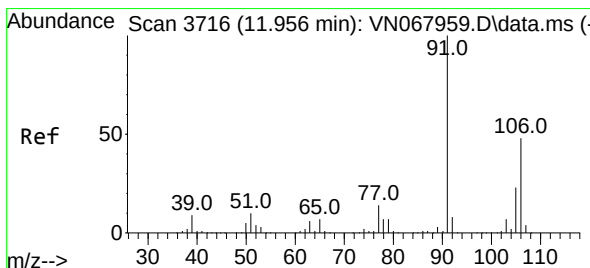
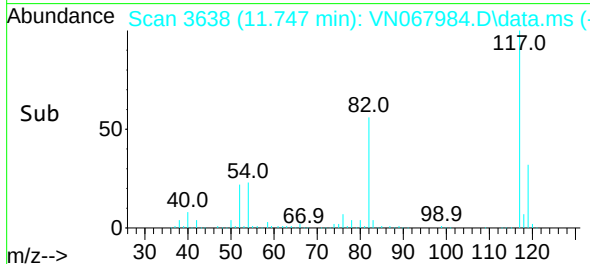
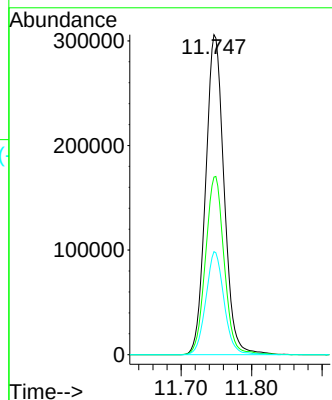
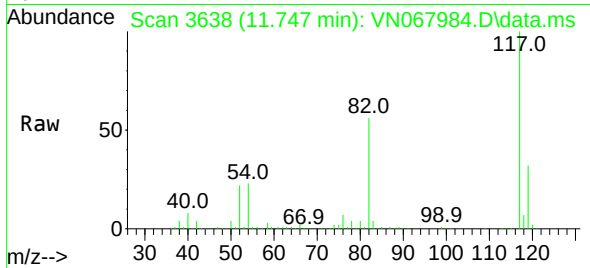




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN067984.D
Acq: 3 Aug 2021 16:11

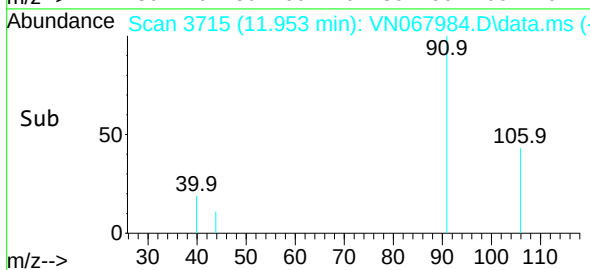
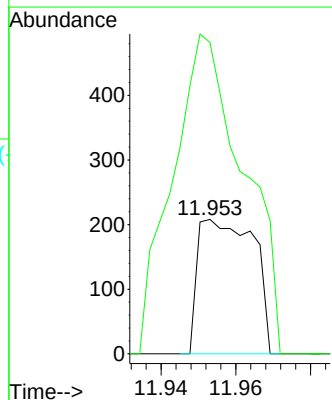
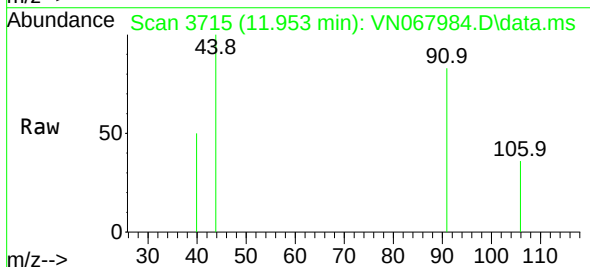
Instrument :
MSVOA_N
ClientSampleId :

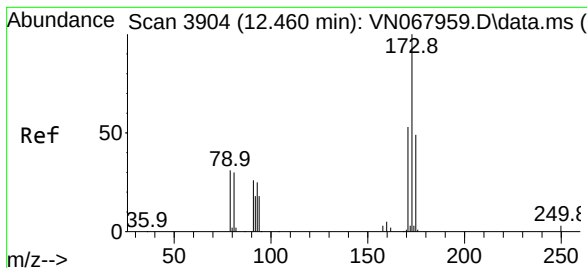
Tgt Ion:117 Resp: 554330
Ion Ratio Lower Upper
117 100
82 55.5 53.1 79.7
119 32.2 25.5 38.3



#68
m/p-Xylenes
Concen: 4.086 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. -0.003 min
Lab File: VN067984.D
Acq: 3 Aug 2021 16:11

Tgt Ion:106 Resp: 216
Ion Ratio Lower Upper
106 100
91 302.8 180.6 270.8#





#71

Bromoform

Concen: 4.051 ug/l

RT: 12.715 min Scan# 3999

Delta R.T. 0.255 min

Lab File: VN067984.D

Acq: 3 Aug 2021 16:11

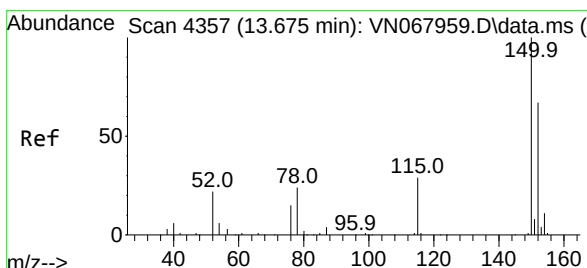
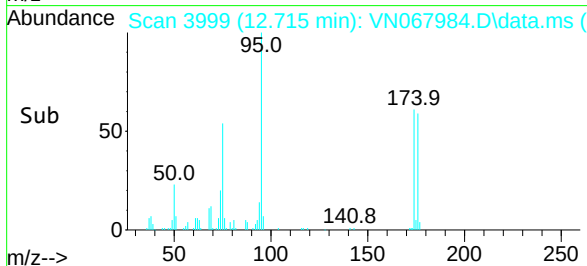
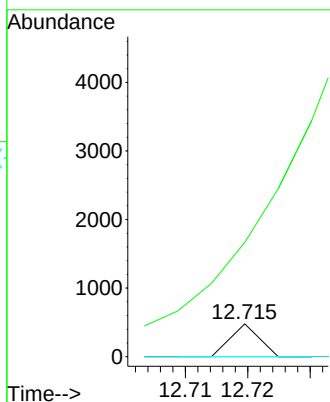
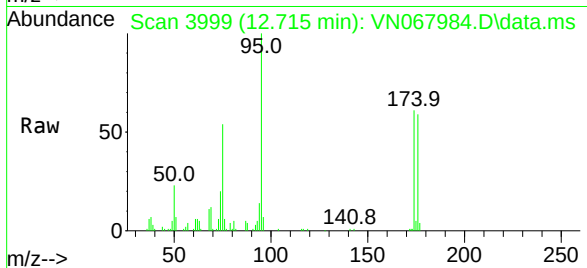
Tgt Ion:173 Resp: 77

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. 0.003 min

Lab File: VN067984.D

Acq: 3 Aug 2021 16:11

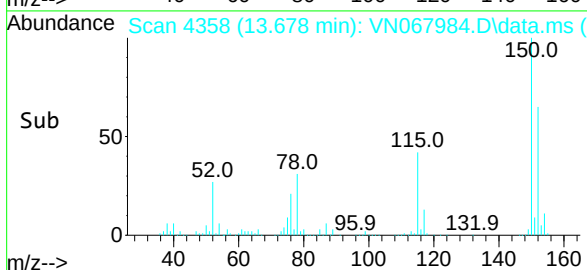
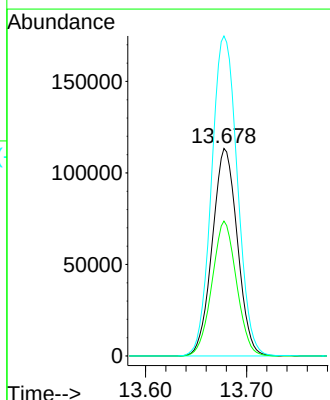
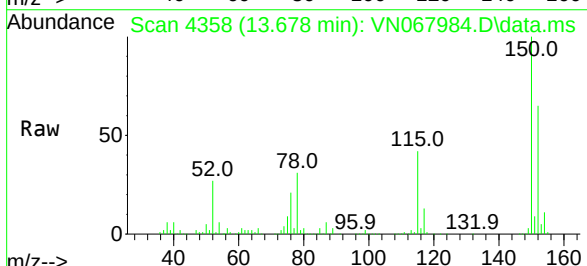
Tgt Ion:152 Resp: 195502

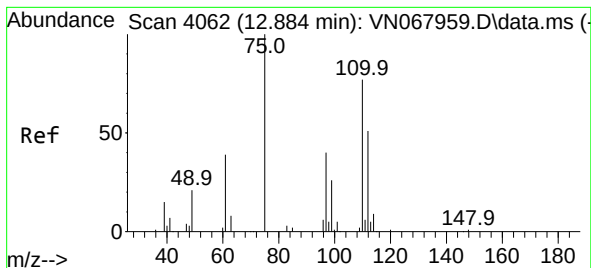
Ion Ratio Lower Upper

152 100

115 63.6 36.1 108.5

150 158.7 0.0 351.8





#76

1,2,3-Trichloropropane

Concen: 34.631 ug/l

RT: 12.734 min Scan# 4006

Delta R.T. -0.150 min

Lab File: VN067984.D

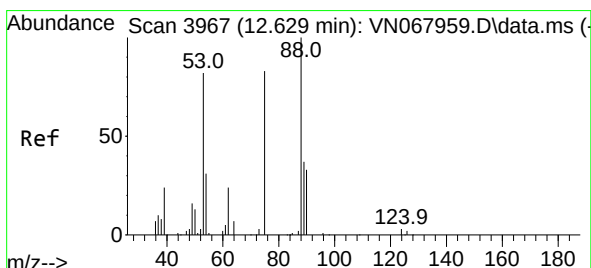
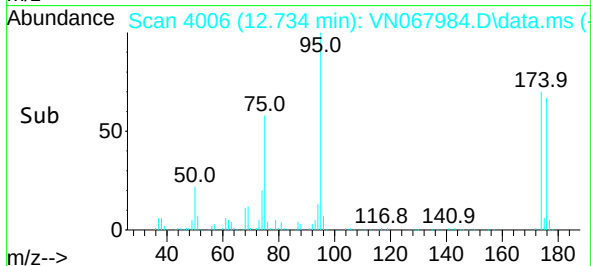
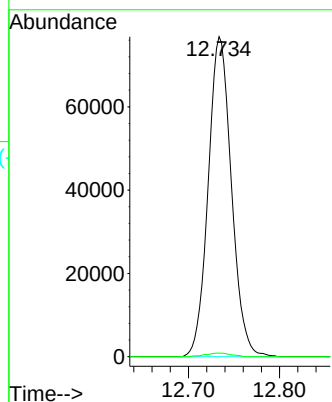
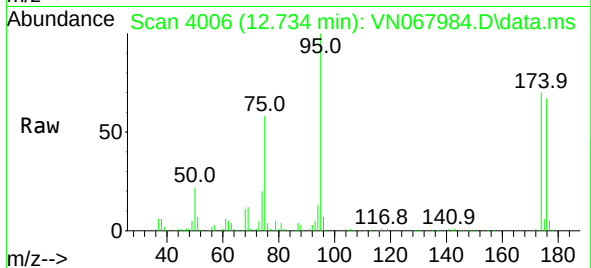
Acq: 3 Aug 2021 16:11

Tgt Ion: 75 Resp: 135971

Ion Ratio Lower Upper

75 100
77 1.2 0.0 0.0#

Instrument :
MSVOA_N
ClientSampled :



#81

trans-1,4-Dichloro-2-butene

Concen: 92.765 ug/l

RT: 12.734 min Scan# 4006

Delta R.T. 0.105 min

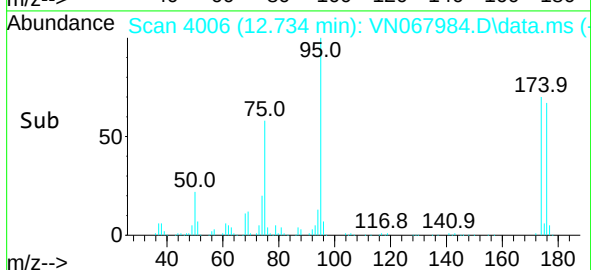
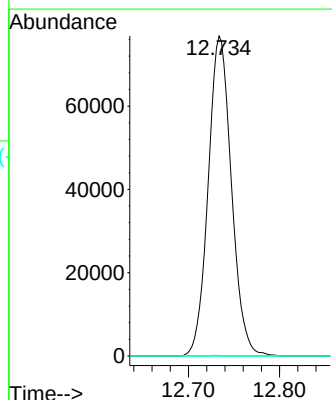
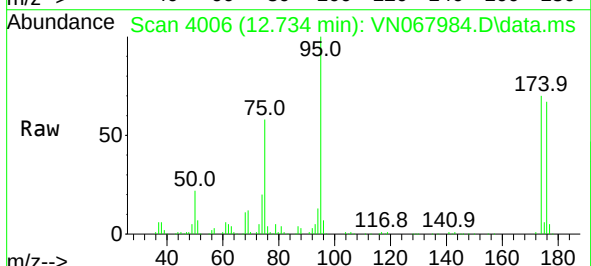
Lab File: VN067984.D

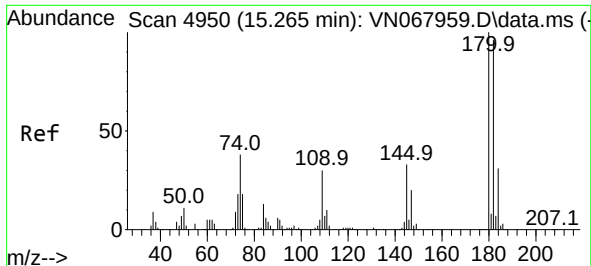
Acq: 3 Aug 2021 16:11

Tgt Ion: 75 Resp: 135971

Ion Ratio Lower Upper

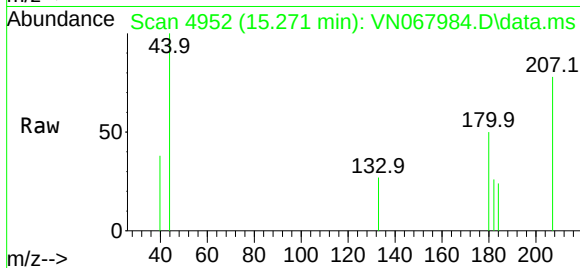
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



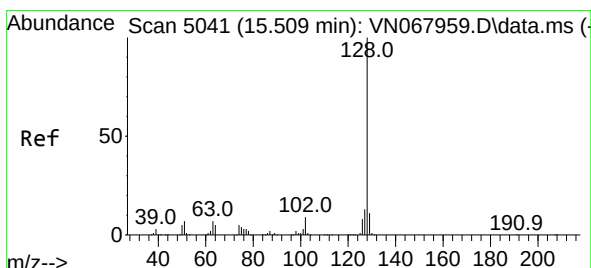
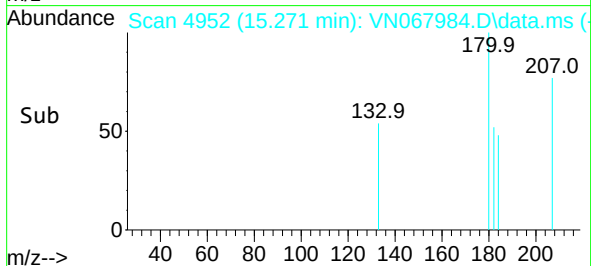
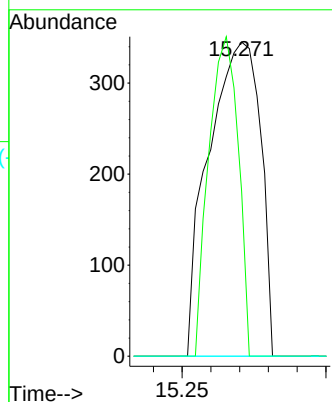


#93
1,2,4-Trichlorobenzene
Concen: 2.611 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN067984.D
Acq: 3 Aug 2021 16:11

Instrument :
MSVOA_N
ClientSampled :

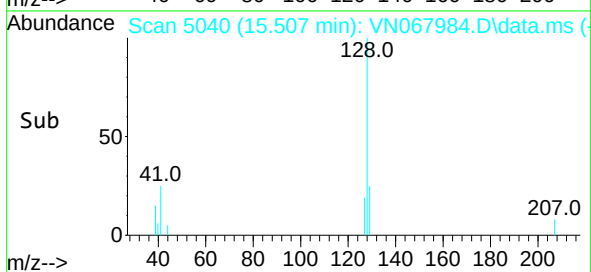
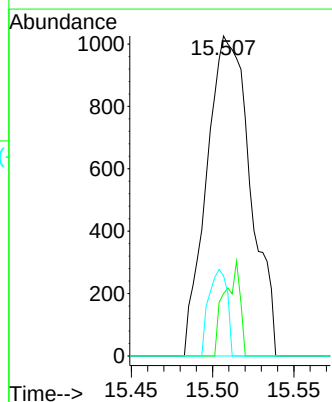
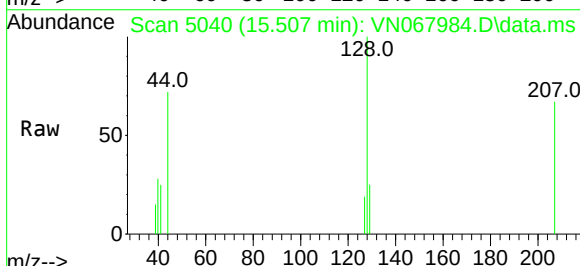


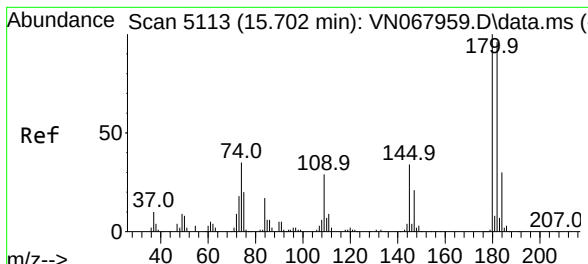
Tgt Ion:180 Resp: 431
Ion Ratio Lower Upper
180 100
182 57.8 47.5 142.5
145 0.0 17.2 51.6#



#95
Naphthalene
Concen: 3.341 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.002 min
Lab File: VN067984.D
Acq: 3 Aug 2021 16:11

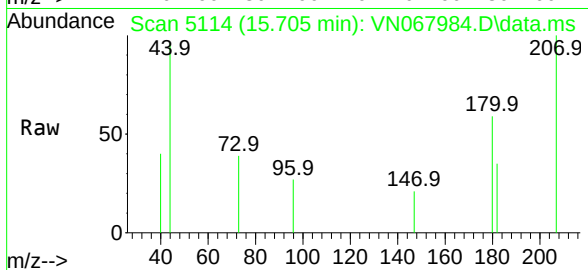
Tgt Ion:128 Resp: 1924
Ion Ratio Lower Upper
128 100
127 10.6 10.6 15.8#
129 11.3 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 2.549 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.003 min
 Lab File: VN067984.D
 Acq: 3 Aug 2021 16:11

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 514
 Ion Ratio Lower Upper
 180 100
 182 71.4 47.8 143.3
 145 0.0 18.2 54.6#

