

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081721\
 Data File : VN068151.D
 Acq On : 17 Aug 2021 18:31
 Operator : JC/MD
 Sample : M3361-12 20X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 41940

Quant Time: Aug 18 07:20:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 13:09:49 2021
 Response via : Initial Calibration

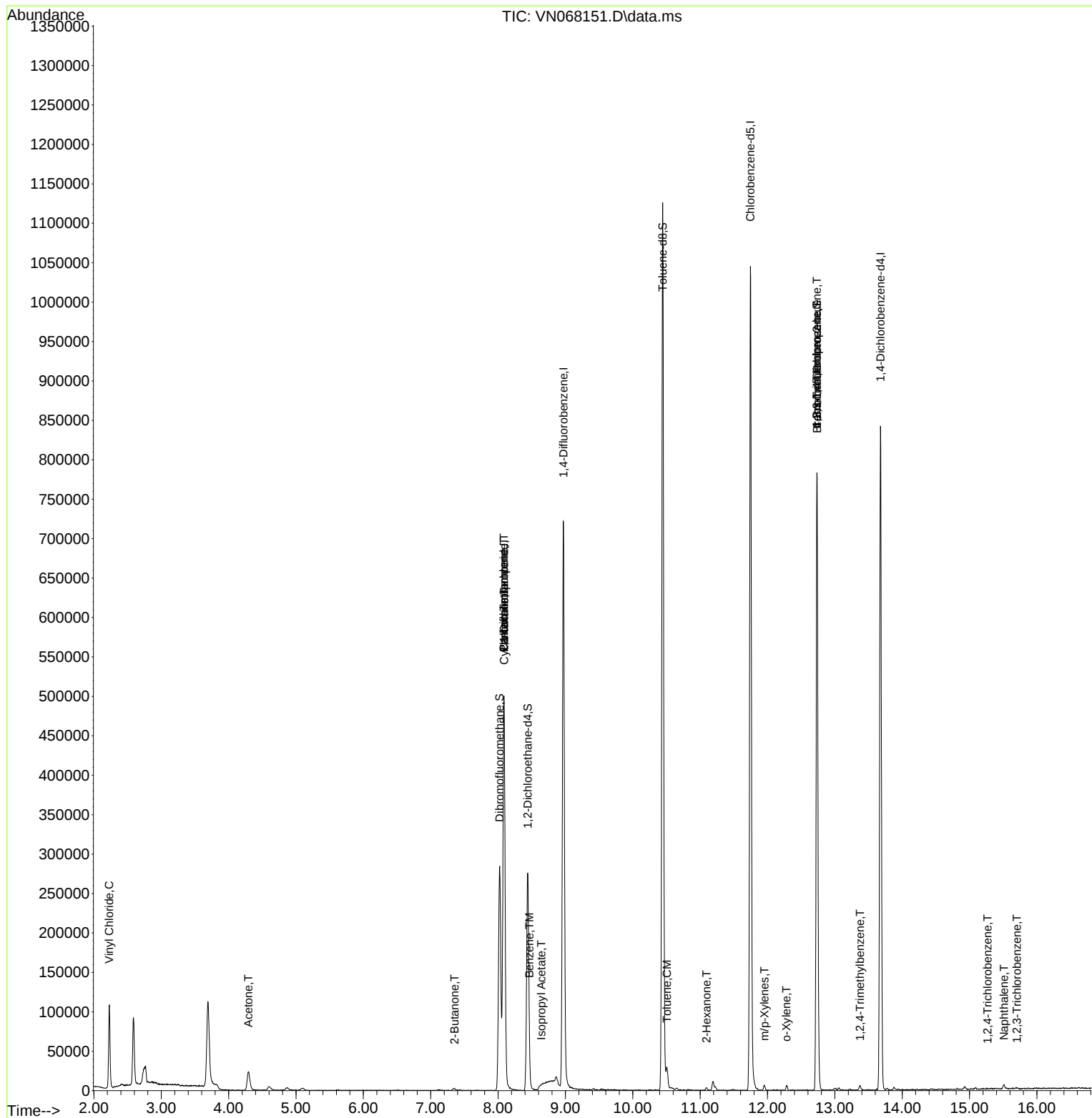
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	406941	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	678786	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	662551	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	251242	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	233933	53.839	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 107.680%	
35) Dibromofluoromethane	8.024	113	210102	49.301	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 98.600%	
50) Toluene-d8	10.443	98	830007	51.115	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 102.220%	
62) 4-Bromofluorobenzene	12.733	95	265867	49.183	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 98.360%	
Target Compounds						Qvalue
4) Vinyl Chloride	2.226	62	1194	0.209	ug/l	# 1
5) Bromomethane	2.824	94	142	Below Cal	#	4
6) Chloroethane	3.027	64	53	Below Cal	#	44
13) Acrolein	4.057	56	222	Below Cal	#	41
16) Acetone	4.293	43	43067	33.948	ug/l	92
18) Methyl Acetate	4.870	43	6238	Below Cal	#	86
20) Methylene Chloride	5.085	84	2027	Below Cal	#	65
25) 2-Butanone	7.353	43	3515	1.778	ug/l	93
31) Cyclohexane	8.091	56	7060	1.234	ug/l	# 15
36) 1,1-Dichloropropene	8.086	75	27470	4.951	ug/l	# 53
38) Carbon Tetrachloride	8.088	117	38353	5.993	ug/l	# 17
40) Benzene	8.464	78	4782	0.282	ug/l	90
43) Isopropyl Acetate	8.643	43	6285	0.830	ug/l	# 58
52) Toluene	10.505	92	9481	0.821	ug/l	99
59) 2-Hexanone	11.095	43	1018	0.315	ug/l	75
68) m/p-Xylenes	11.956	106	2318	0.259	ug/l	84
69) o-Xylene	12.280	106	1821	0.211	ug/l	89
71) Bromoform	12.736	173	1059	0.258	ug/l	# 1
76) 1,2,3-Trichloropropane	12.733	75	134834	32.289	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.733	75	134834	105.783	ug/l	# 6
84) 1,2,4-Trimethylbenzene	13.374	105	4409	0.312	ug/l	99
93) 1,2,4-Trichlorobenzene	15.268	180	335	2.761	ug/l	# 18
95) Naphthalene	15.509	128	5599	3.874	ug/l	# 85
96) 1,2,3-Trichlorobenzene	15.702	180	658	2.987	ug/l	# 47

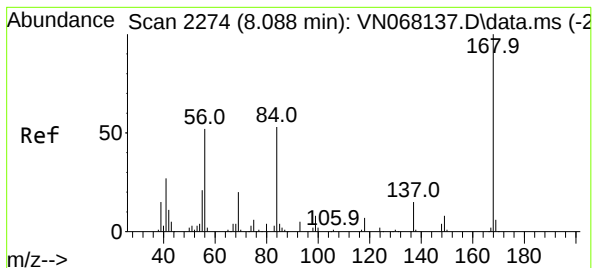
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 17 13:09:49 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.002 min

Lab File: VN068151.D

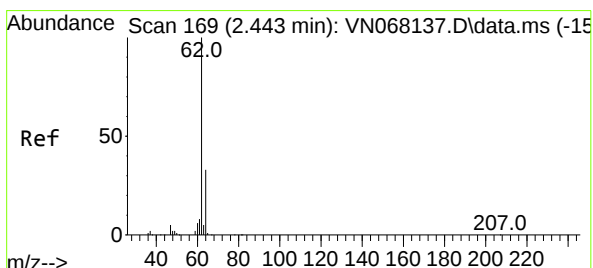
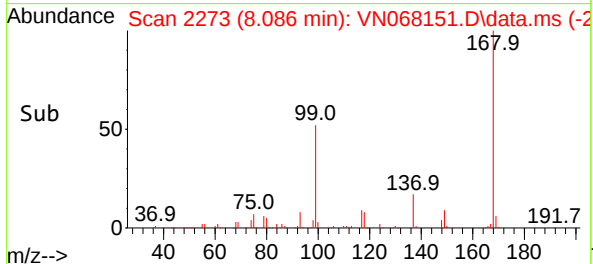
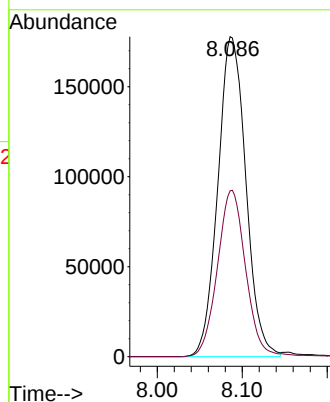
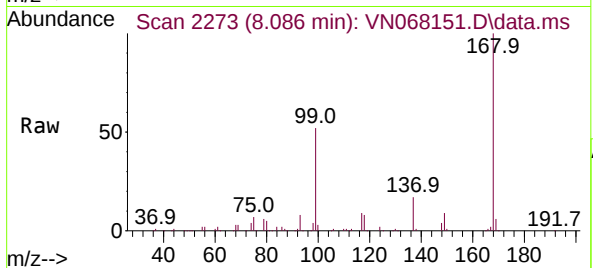
Acq: 17 Aug 2021 18:31

Tgt Ion:168 Resp: 406941

Ion Ratio Lower Upper

168 100

99 51.8 62.9 94.3#



#4

Vinyl Chloride

Concen: 0.209 ug/l

RT: 2.226 min Scan# 88

Delta R.T. -0.217 min

Lab File: VN068151.D

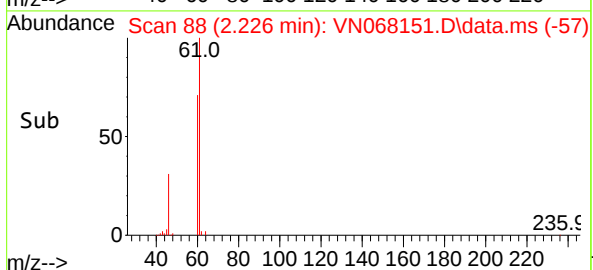
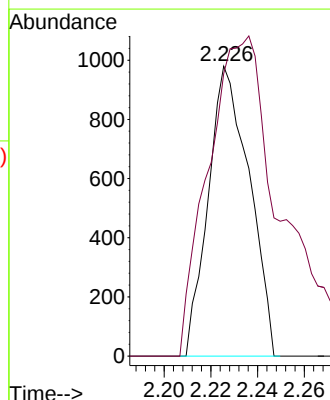
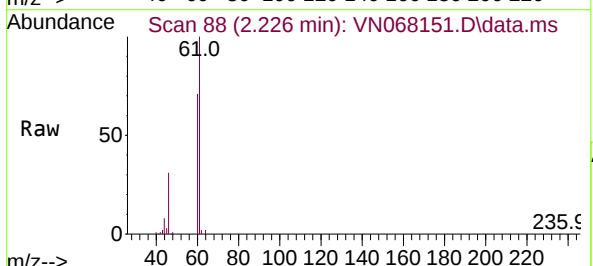
Acq: 17 Aug 2021 18:31

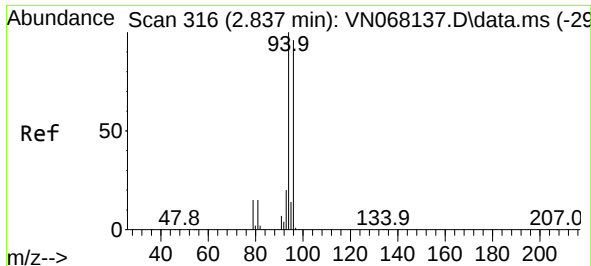
Tgt Ion: 62 Resp: 1194

Ion Ratio Lower Upper

62 100

64 97.4 24.4 36.6#

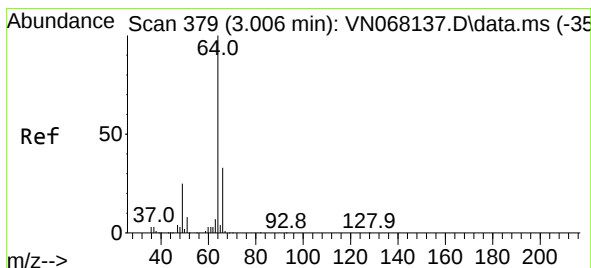
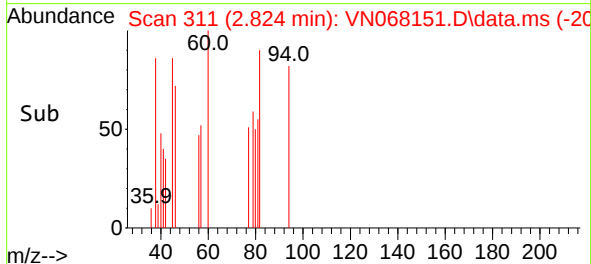
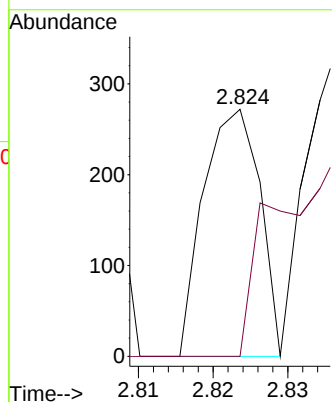
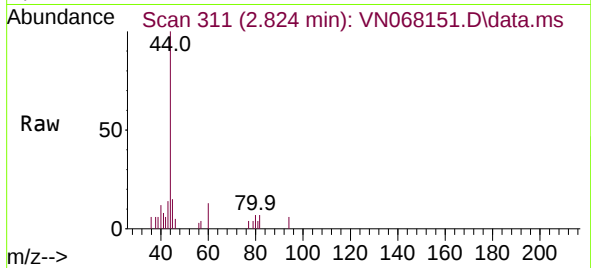




#5
Bromomethane
Concen: Below Cal
RT: 2.824 min Scan# 311
Delta R.T. -0.013 min
Lab File: VN068151.D
Acq: 17 Aug 2021 18:31

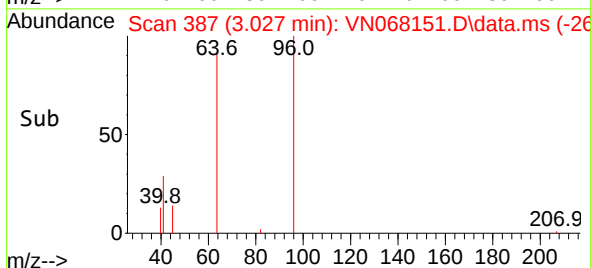
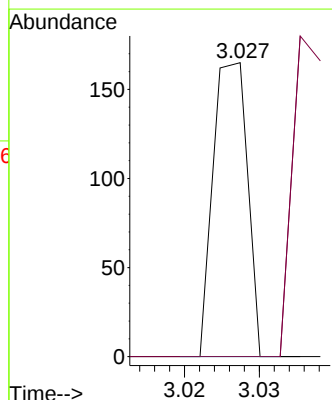
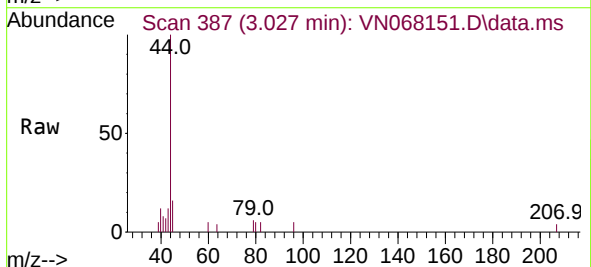
Instrument :
MSVOA_N
ClientSampleId :
41940

Tgt Ion: 94 Resp: 142
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#



#6
Chloroethane
Concen: Below Cal
RT: 3.027 min Scan# 387
Delta R.T. 0.021 min
Lab File: VN068151.D
Acq: 17 Aug 2021 18:31

Tgt Ion: 64 Resp: 53
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

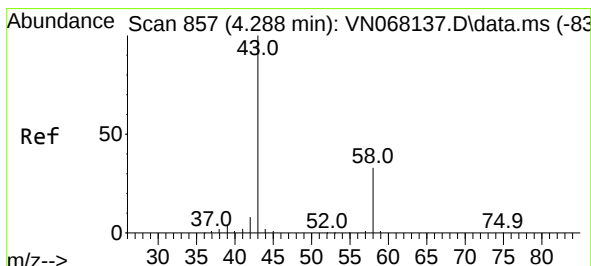
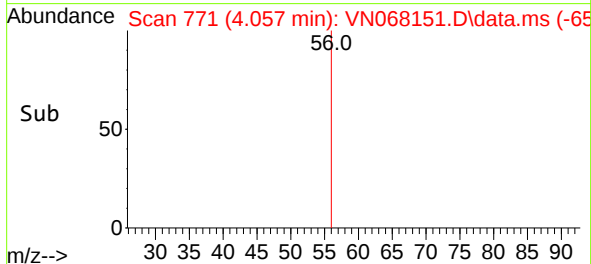
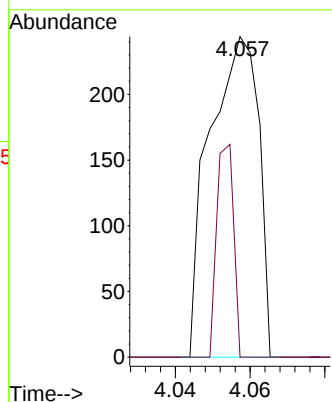
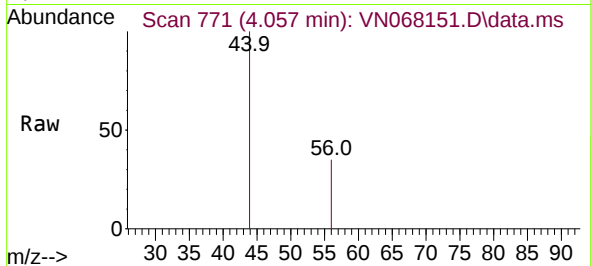




#13
Acrolein
Concen: Below Cal
RT: 4.057 min Scan# 771
Delta R.T. 0.018 min
Lab File: VN068151.D
Acq: 17 Aug 2021 18:31

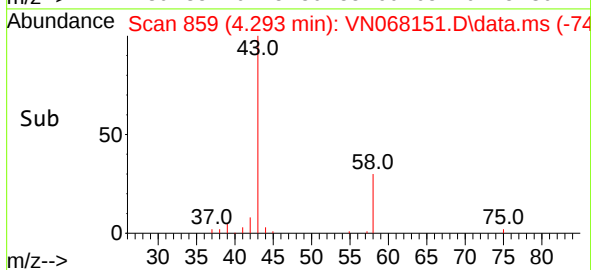
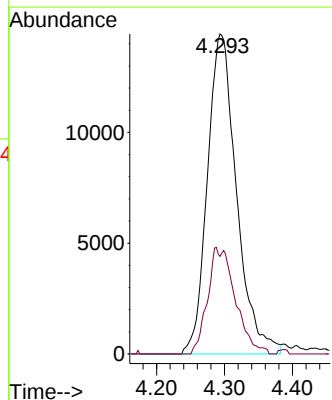
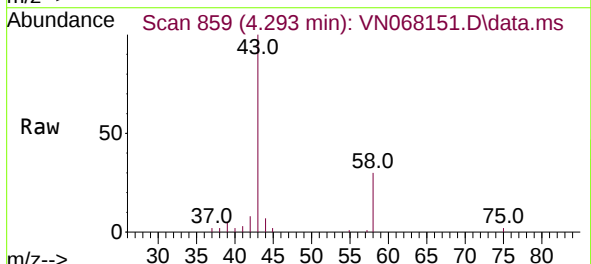
Instrument :
MSVOA_N
ClientSampled :
41940

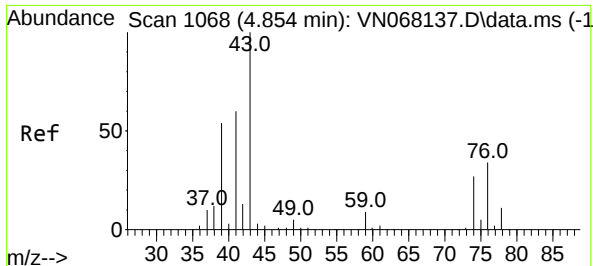
Tgt Ion: 56 Resp: 222
Ion Ratio Lower Upper
56 100
55 23.0 57.4 86.0#



#16
Acetone
Concen: 33.948 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN068151.D
Acq: 17 Aug 2021 18:31

Tgt Ion: 43 Resp: 43067
Ion Ratio Lower Upper
43 100
58 30.5 21.2 31.8





#18

Methyl Acetate

Concen: Below Cal

RT: 4.870 min Scan# 1074

Delta R.T. 0.016 min

Lab File: VN068151.D

Acq: 17 Aug 2021 18:31

Tgt Ion: 43 Resp: 6238

Ion Ratio Lower Upper

43 100

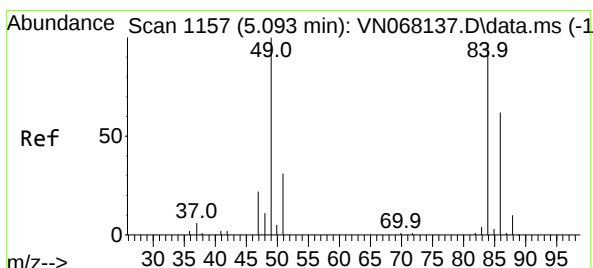
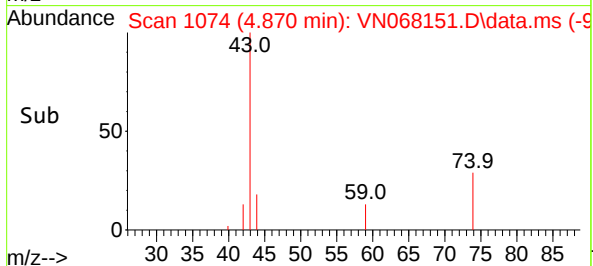
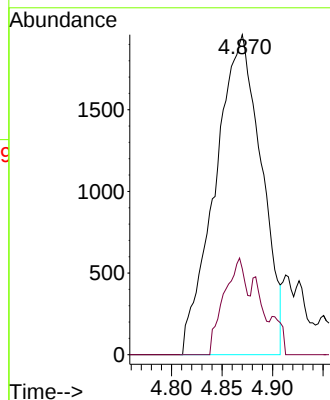
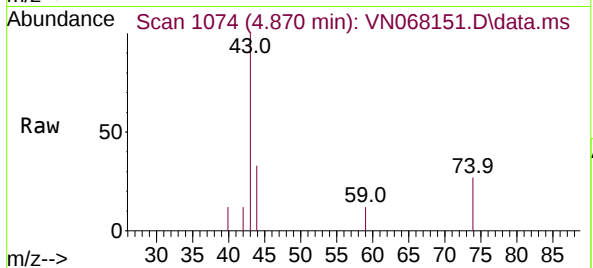
74 15.1 17.4 26.0#

Instrument :

MSVOA_N

ClientSampleId :

41940



#20

Methylene Chloride

Concen: Below Cal

RT: 5.085 min Scan# 1154

Delta R.T. -0.008 min

Lab File: VN068151.D

Acq: 17 Aug 2021 18:31

Tgt Ion: 84 Resp: 2027

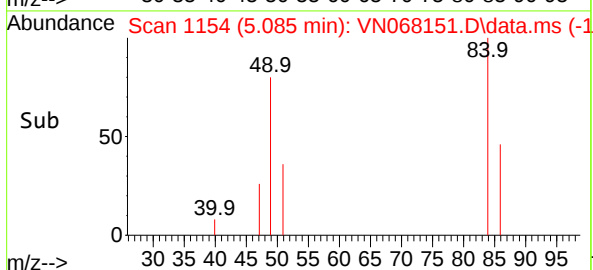
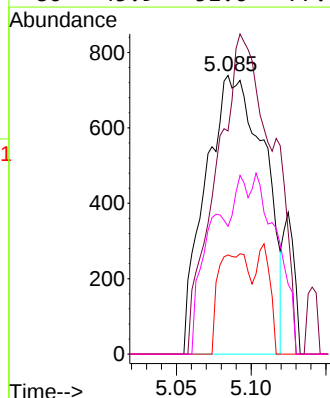
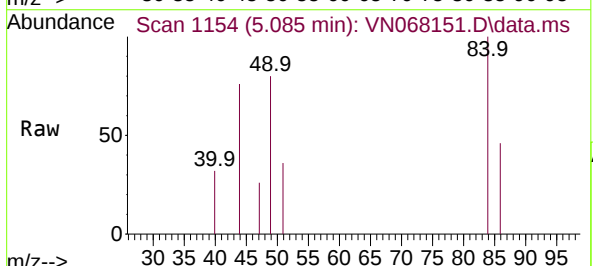
Ion Ratio Lower Upper

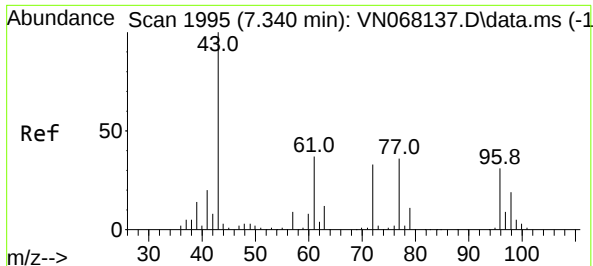
84 100

49 80.1 110.9 166.3#

51 35.6 32.6 49.0

86 45.9 51.6 77.4#

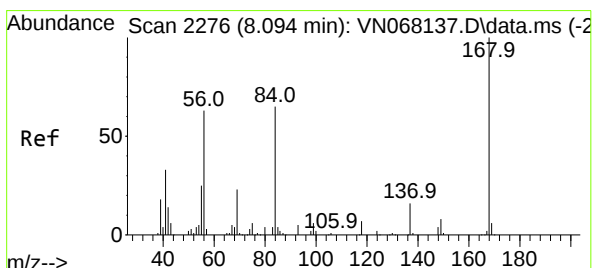
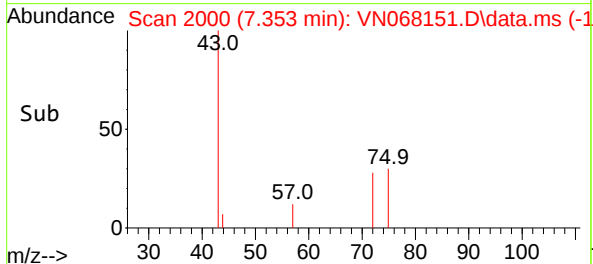
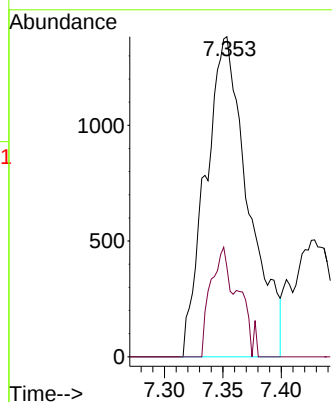
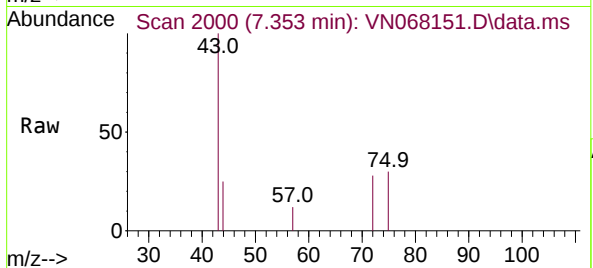




#25
2-Butanone
Concen: 1.778 ug/l
RT: 7.353 min Scan# 2000
Delta R.T. 0.013 min
Lab File: VN068151.D
Acq: 17 Aug 2021 18:31

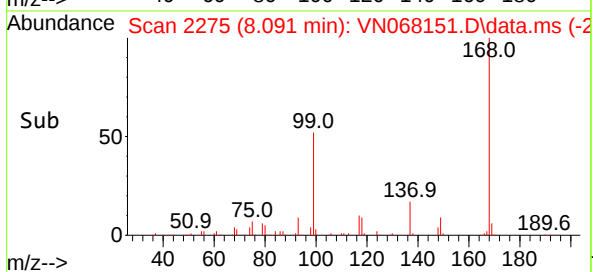
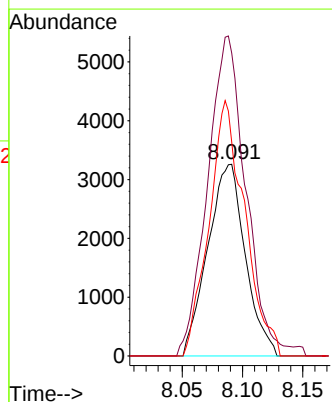
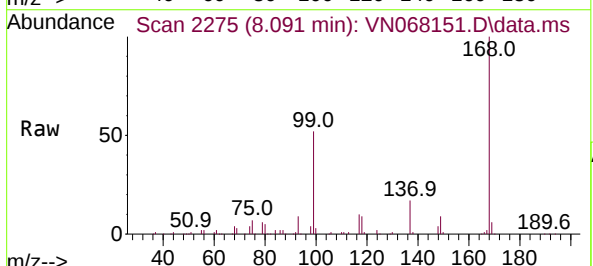
Instrument :
MSVOA_N
ClientSampled :
41940

Tgt Ion: 43 Resp: 3515
Ion Ratio Lower Upper
43 100
72 28.0 19.7 29.5



#31
Cyclohexane
Concen: 1.234 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.003 min
Lab File: VN068151.D
Acq: 17 Aug 2021 18:31

Tgt Ion: 56 Resp: 7060
Ion Ratio Lower Upper
56 100
69 152.7 27.3 40.9#
84 111.5 64.9 97.3#

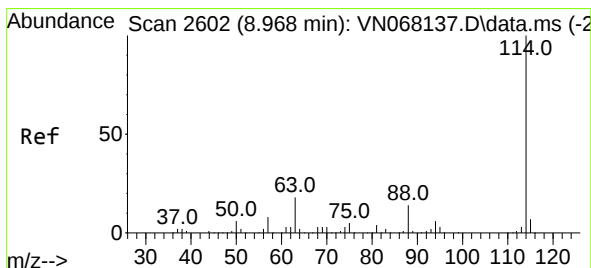
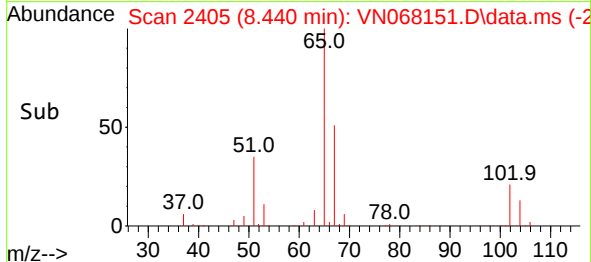
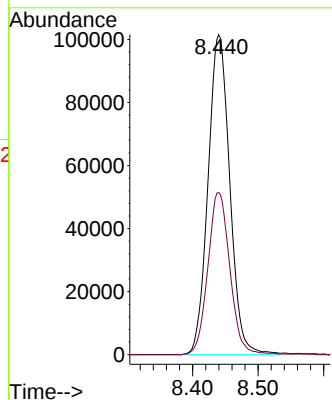
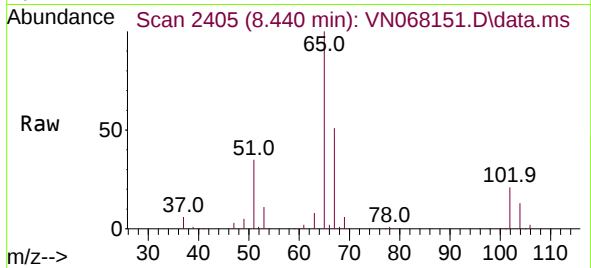




#33
 1,2-Dichloroethane-d4
 Concen: 53.839 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068151.D
 Acq: 17 Aug 2021 18:31

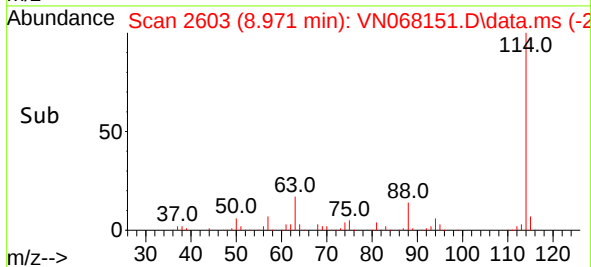
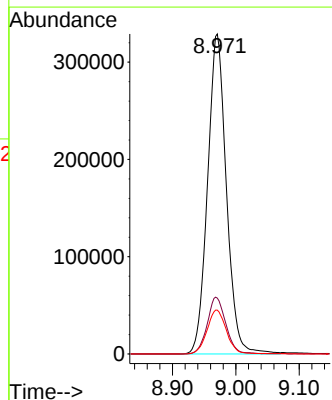
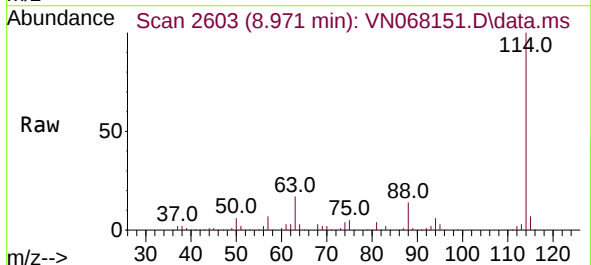
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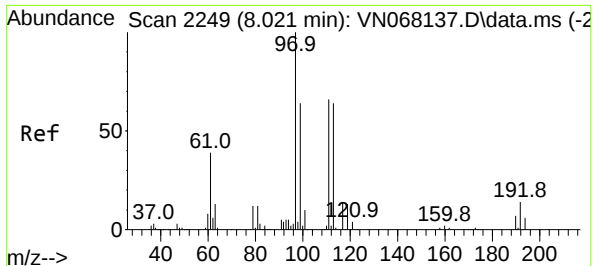
Tgt Ion: 65 Resp: 233933
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068151.D
 Acq: 17 Aug 2021 18:31

Tgt Ion: 114 Resp: 678786
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 49.0
 88 13.7 0.0 36.6

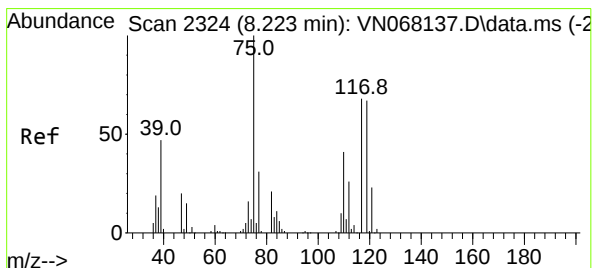
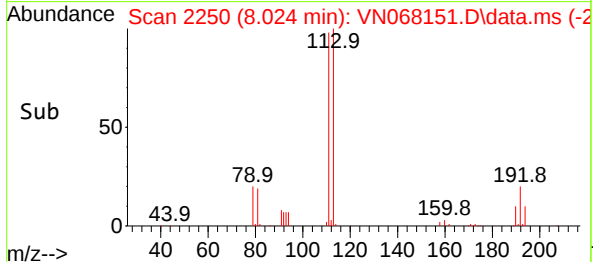
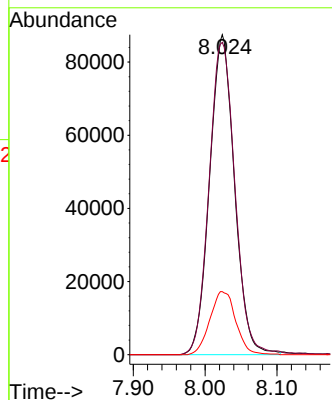
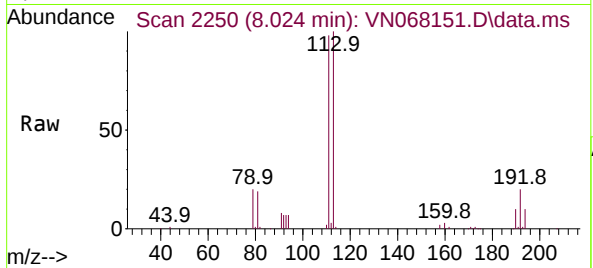




#35
Dibromofluoromethane
Concen: 49.301 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068151.D
Acq: 17 Aug 2021 18:31

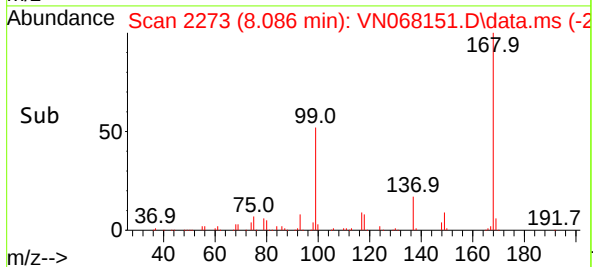
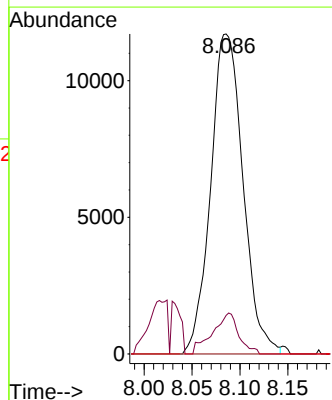
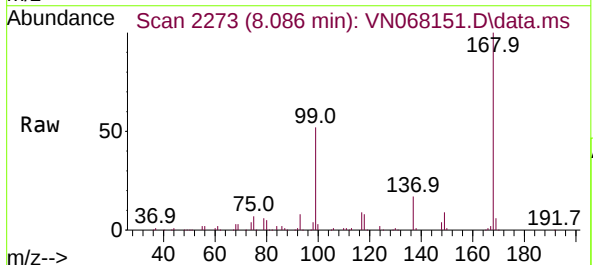
Instrument :
MSVOA_N
ClientSampled :
41940

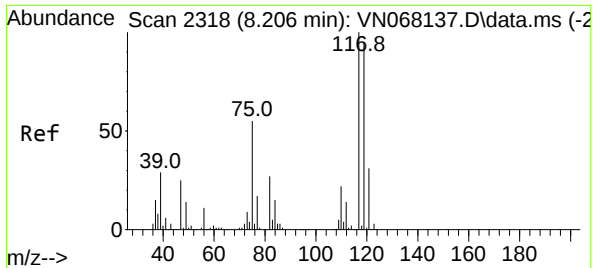
Tgt Ion:113 Resp: 210102
Ion Ratio Lower Upper
113 100
111 101.0 83.8 125.8
192 20.6 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.951 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068151.D
Acq: 17 Aug 2021 18:31

Tgt Ion: 75 Resp: 27470
Ion Ratio Lower Upper
75 100
110 10.3 15.7 47.0#
77 0.0 24.6 37.0#

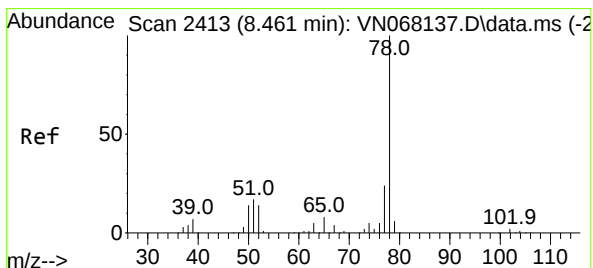
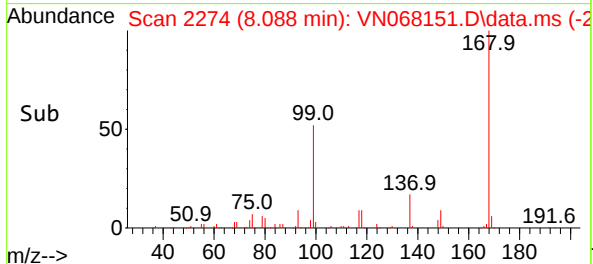
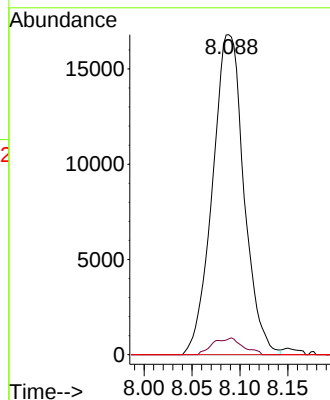
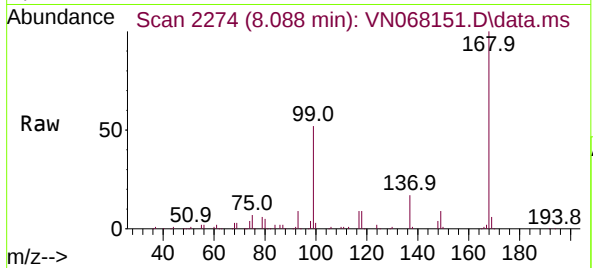




#38
Carbon Tetrachloride
Concen: 5.993 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068151.D
Acq: 17 Aug 2021 18:31

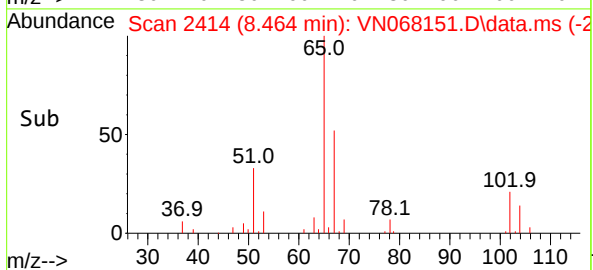
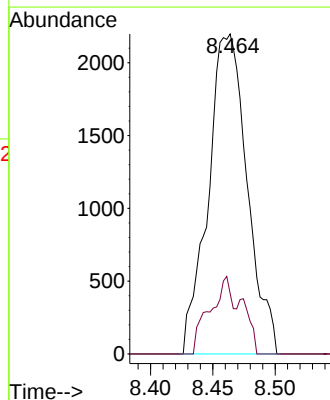
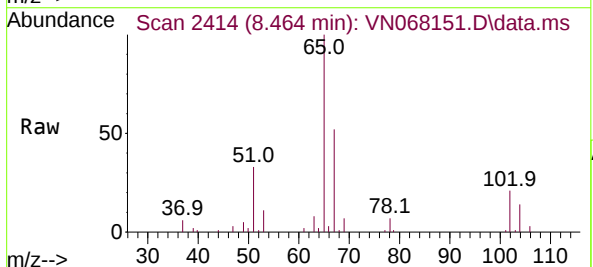
Instrument :
MSVOA_N
ClientSampled :
41940

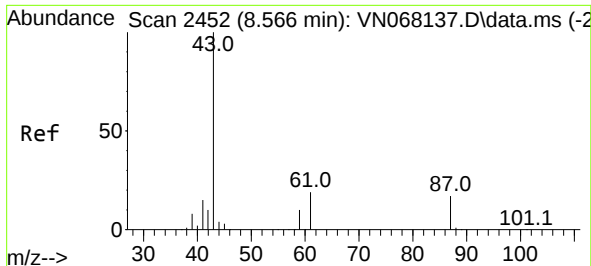
Tgt Ion:117 Resp: 38353
Ion Ratio Lower Upper
117 100
119 4.9 75.4 113.2#
121 0.0 23.5 35.3#



#40
Benzene
Concen: 0.282 ug/l
RT: 8.464 min Scan# 2414
Delta R.T. 0.003 min
Lab File: VN068151.D
Acq: 17 Aug 2021 18:31

Tgt Ion: 78 Resp: 4782
Ion Ratio Lower Upper
78 100
77 18.9 18.9 28.3

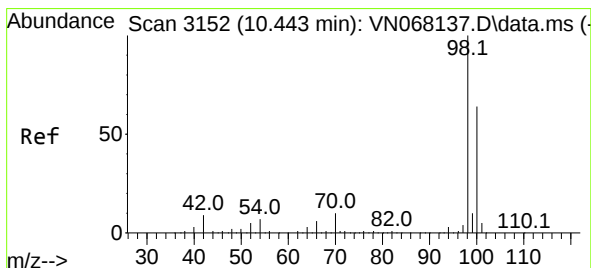
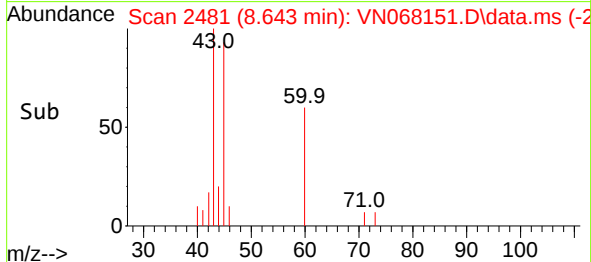
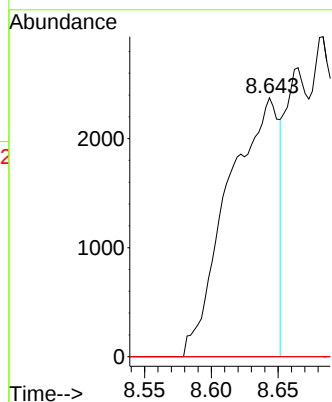
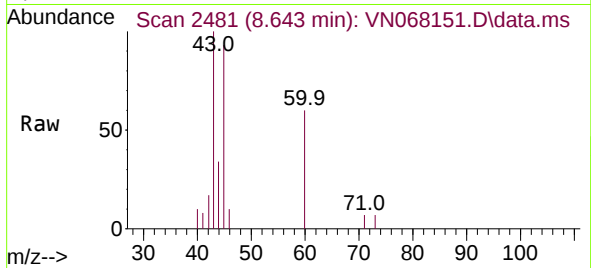




#43
Isopropyl Acetate
Concen: 0.830 ug/l
RT: 8.643 min Scan# 2481
Delta R.T. 0.077 min
Lab File: VN068151.D
Acq: 17 Aug 2021 18:31

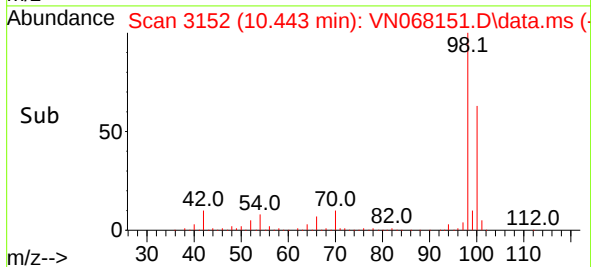
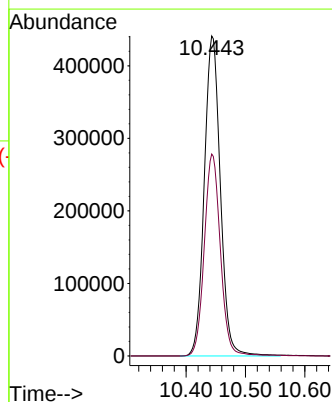
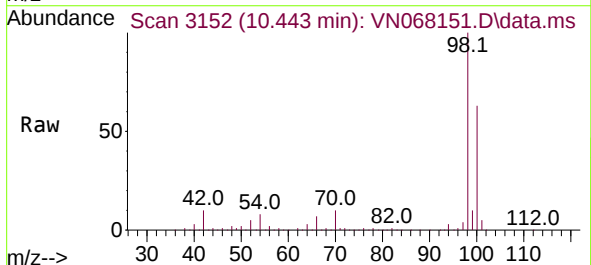
Instrument :
MSVOA_N
ClientSampleId :
41940

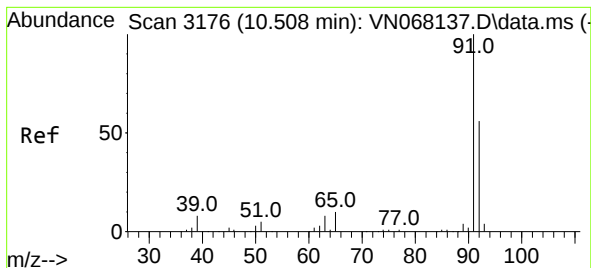
Tgt Ion: 43 Resp: 6285
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#



#50
Toluene-d8
Concen: 51.115 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068151.D
Acq: 17 Aug 2021 18:31

Tgt Ion: 98 Resp: 830007
Ion Ratio Lower Upper
98 100
100 63.0 51.7 77.5





#52

Toluene

Concen: 0.821 ug/l

RT: 10.505 min Scan# 3175

Delta R.T. -0.003 min

Lab File: VN068151.D

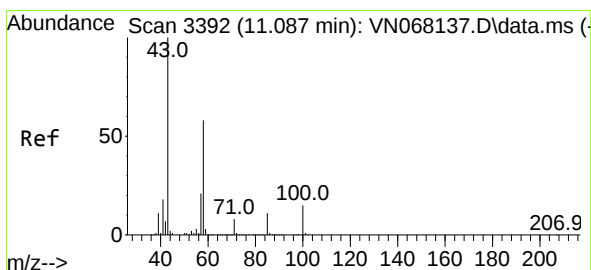
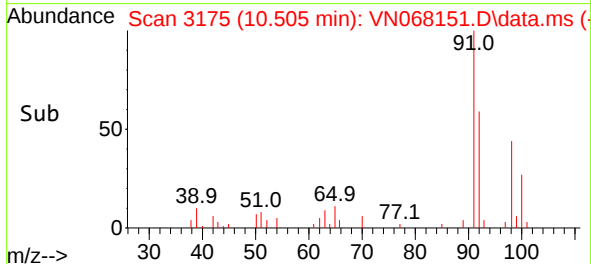
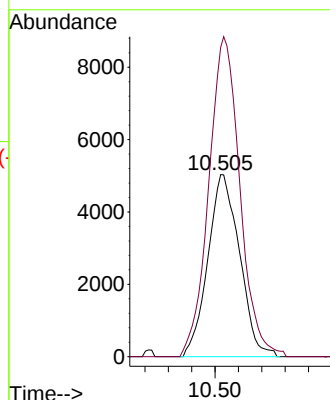
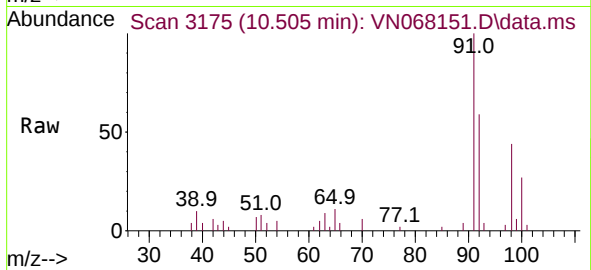
Acq: 17 Aug 2021 18:31

Tgt Ion: 92 Resp: 9481

Ion Ratio Lower Upper

92 100

91 172.7 139.6 209.4



#59

2-Hexanone

Concen: 0.315 ug/l

RT: 11.095 min Scan# 3395

Delta R.T. 0.008 min

Lab File: VN068151.D

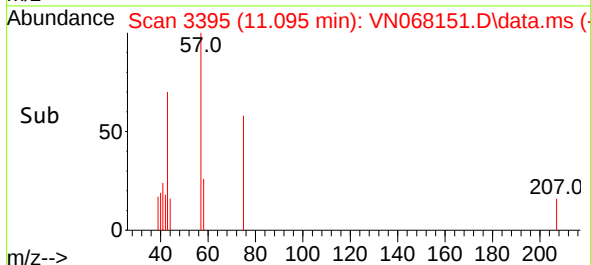
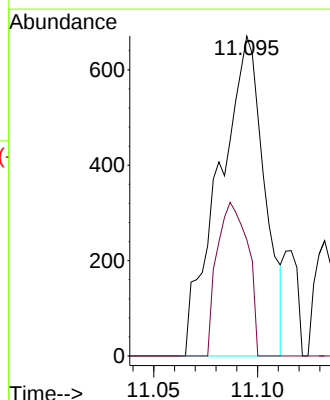
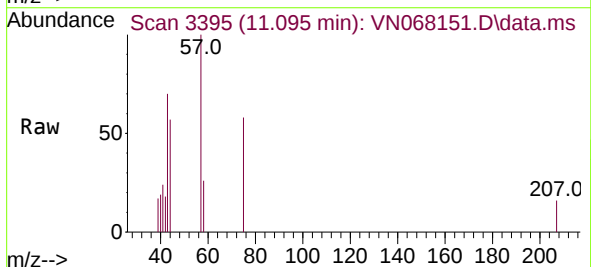
Acq: 17 Aug 2021 18:31

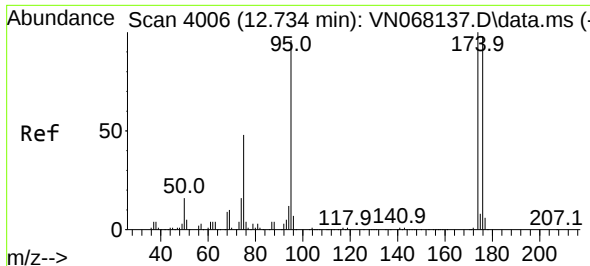
Tgt Ion: 43 Resp: 1018

Ion Ratio Lower Upper

43 100

58 32.5 24.7 74.1

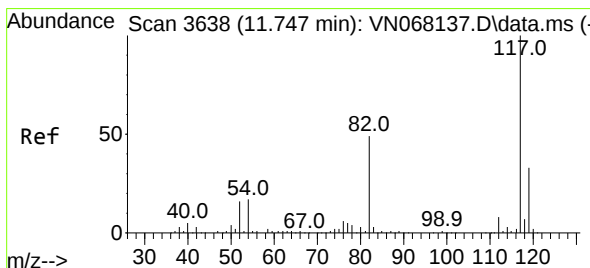
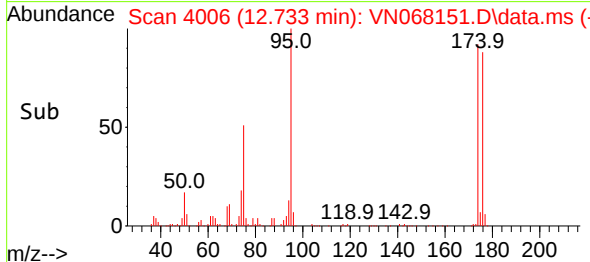
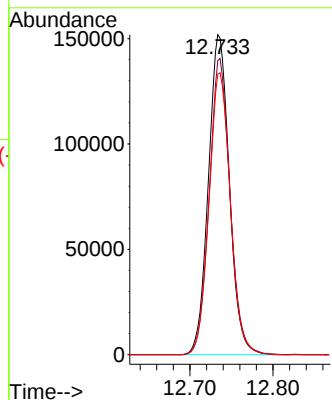
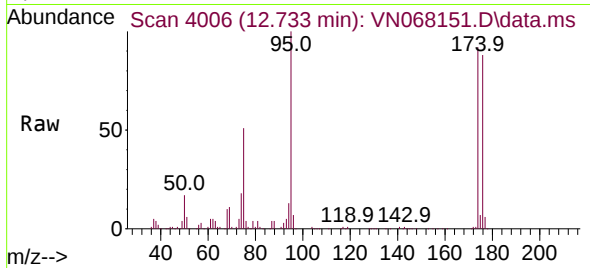




#62
4-Bromofluorobenzene
Concen: 49.183 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068151.D
Acq: 17 Aug 2021 18:31

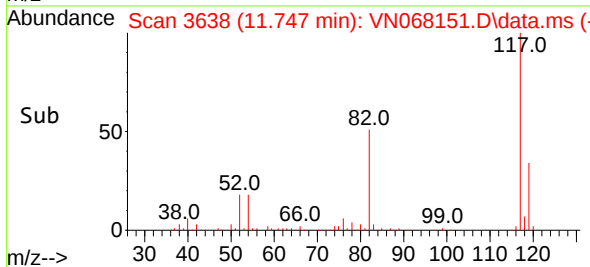
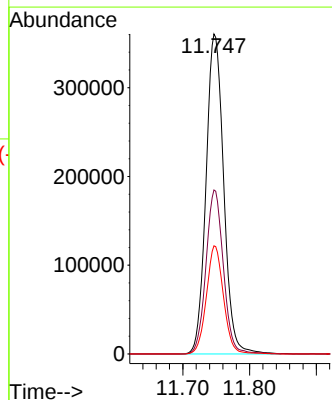
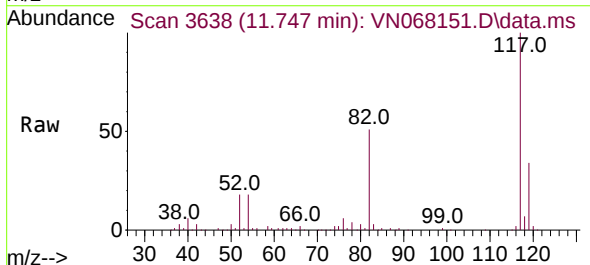
Instrument :
MSVOA_N
ClientSampleId :
41940

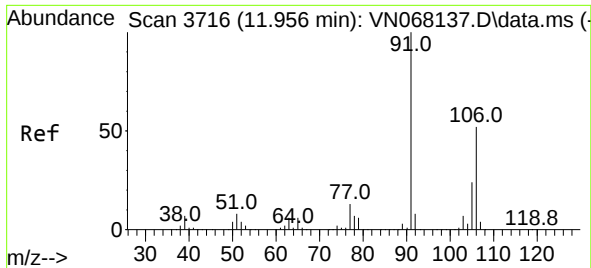
Tgt Ion: 95 Resp: 265867
Ion Ratio Lower Upper
95 100
174 92.2 0.0 122.0
176 89.5 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068151.D
Acq: 17 Aug 2021 18:31

Tgt Ion: 117 Resp: 662551
Ion Ratio Lower Upper
117 100
82 51.2 53.1 79.7#
119 33.8 25.5 38.3

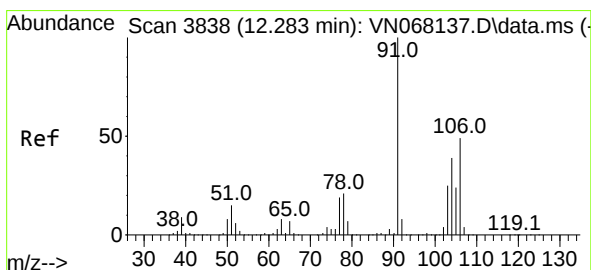
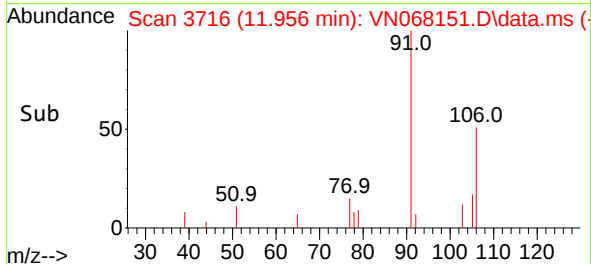
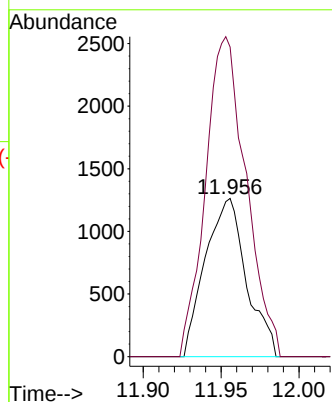
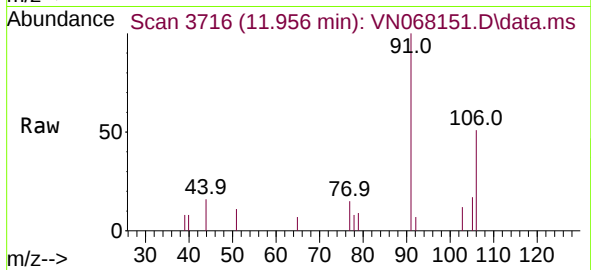




#68
m/p-Xylenes
Concen: 0.259 ug/l
RT: 11.956 min Scan# 3716
Delta R.T. -0.000 min
Lab File: VN068151.D
Acq: 17 Aug 2021 18:31

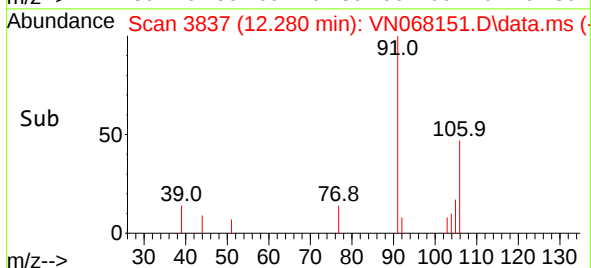
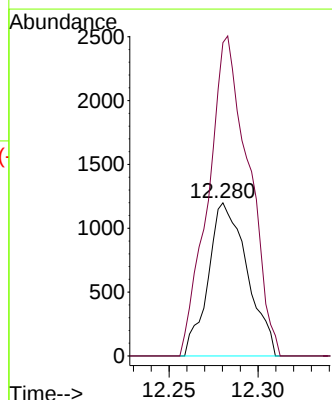
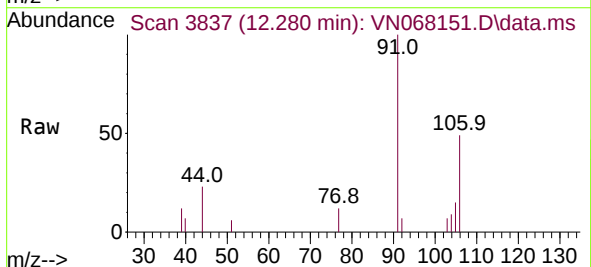
Instrument :
MSVOA_N
ClientSampleId :
41940

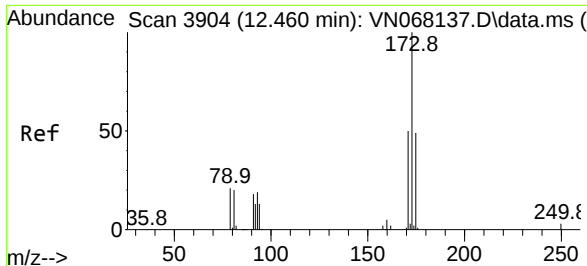
Tgt Ion:106 Resp: 2318
Ion Ratio Lower Upper
106 100
91 199.8 180.6 270.8



#69
o-Xylene
Concen: 0.211 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.003 min
Lab File: VN068151.D
Acq: 17 Aug 2021 18:31

Tgt Ion:106 Resp: 1821
Ion Ratio Lower Upper
106 100
91 217.7 118.3 354.9

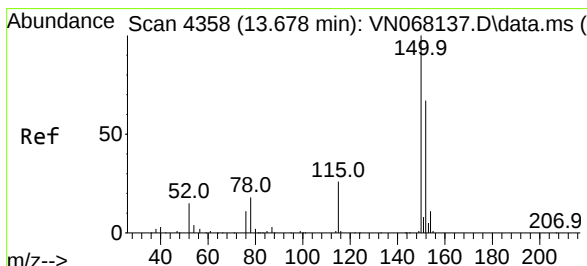
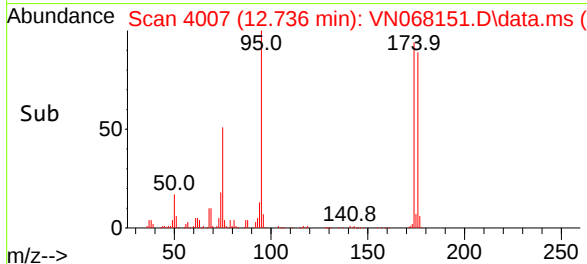
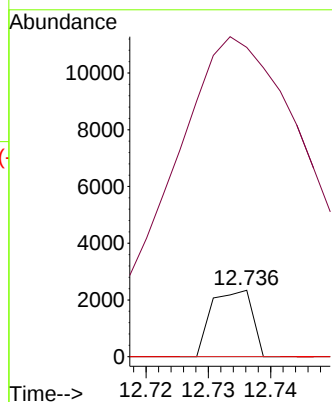
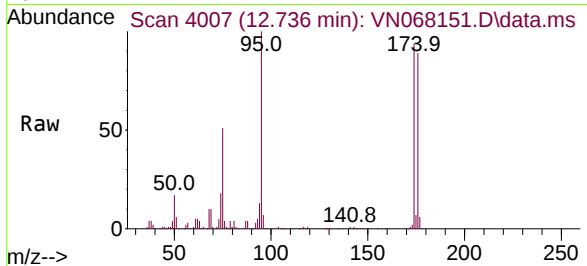




#71
Bromoform
Concen: 0.258 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.276 min
Lab File: VN068151.D
Acq: 17 Aug 2021 18:31

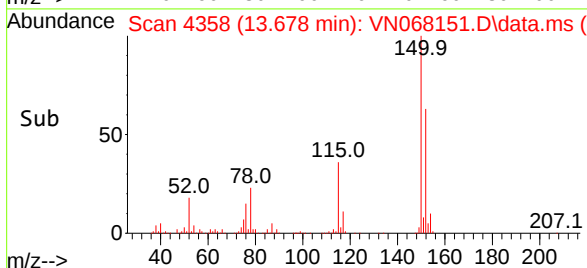
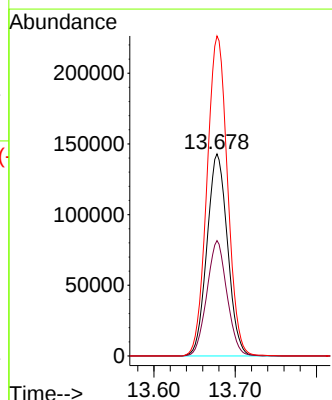
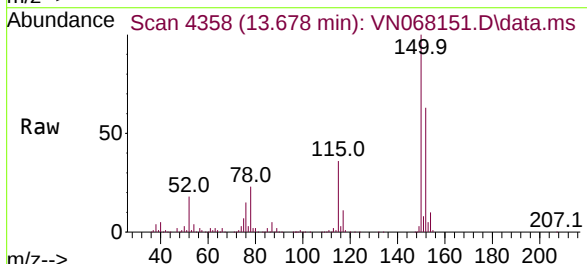
Instrument :
MSVOA_N
ClientSampleId :
41940

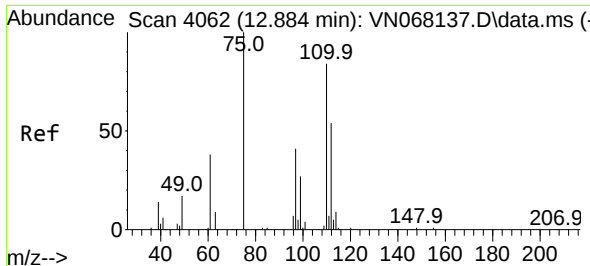
Tgt Ion:173 Resp: 1059
Ion Ratio Lower Upper
173 100
175 1618.5 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068151.D
Acq: 17 Aug 2021 18:31

Tgt Ion:152 Resp: 251242
Ion Ratio Lower Upper
152 100
115 55.8 36.1 108.5
150 158.2 0.0 351.8

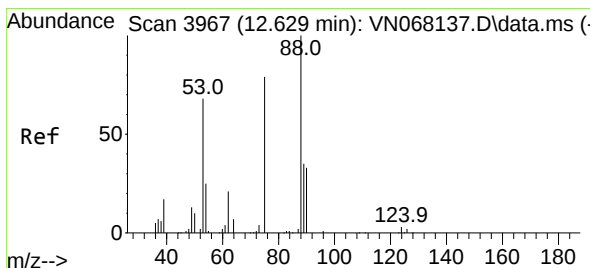
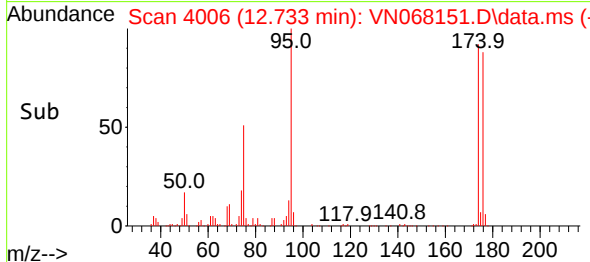
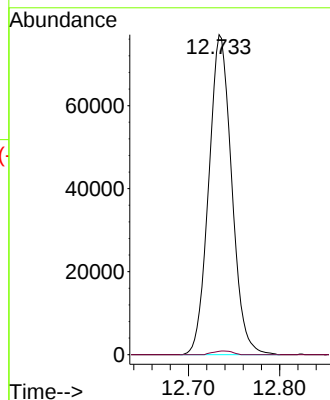
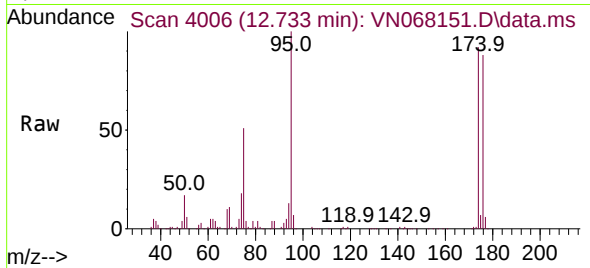




#76
1,2,3-Trichloropropane
Concen: 32.289 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN068151.D
Acq: 17 Aug 2021 18:31

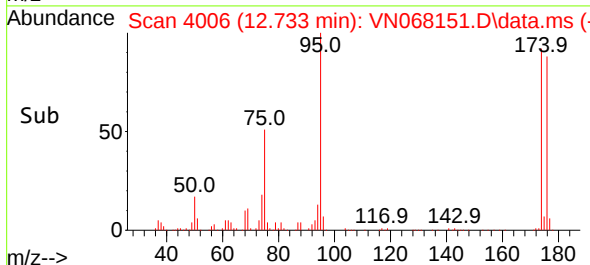
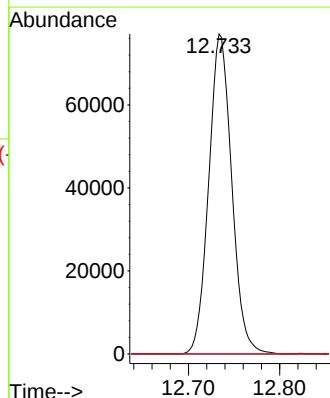
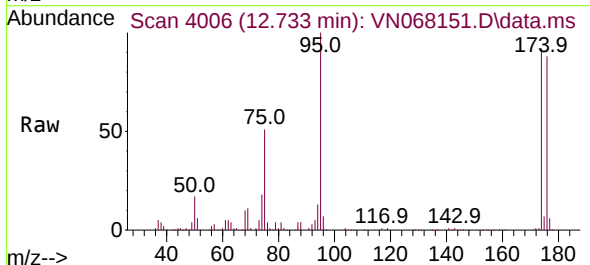
Instrument :
MSVOA_N
ClientSampleId :
41940

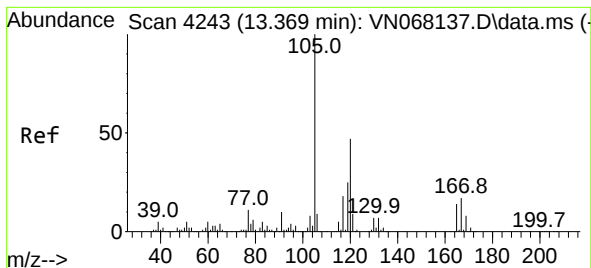
Tgt Ion: 75 Resp: 134834
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.783 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068151.D
Acq: 17 Aug 2021 18:31

Tgt Ion: 75 Resp: 134834
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#





#84

1,2,4-Trimethylbenzene

Concen: 0.312 ug/l

RT: 13.374 min Scan# 4245

Delta R.T. 0.005 min

Lab File: VN068151.D

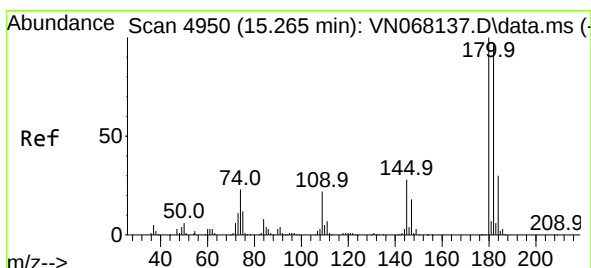
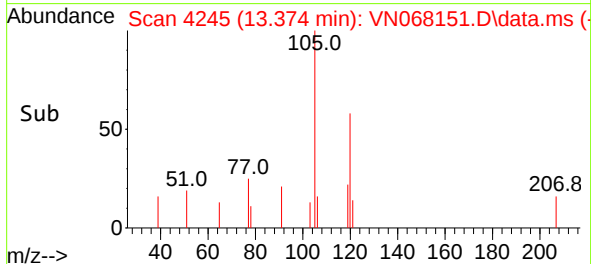
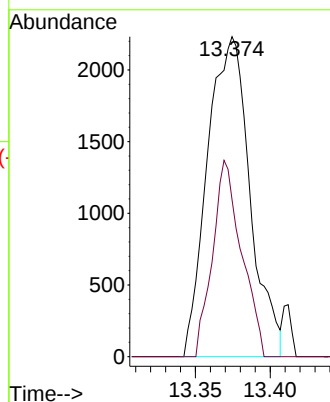
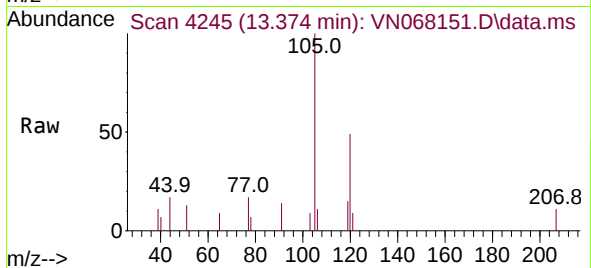
Acq: 17 Aug 2021 18:31

Tgt Ion:105 Resp: 4409

Ion Ratio Lower Upper

105 100

120 41.8 20.6 61.8



#93

1,2,4-Trichlorobenzene

Concen: 2.761 ug/l

RT: 15.268 min Scan# 4951

Delta R.T. 0.003 min

Lab File: VN068151.D

Acq: 17 Aug 2021 18:31

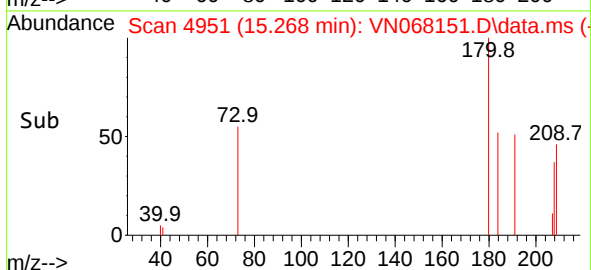
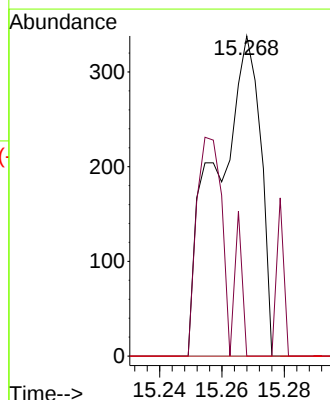
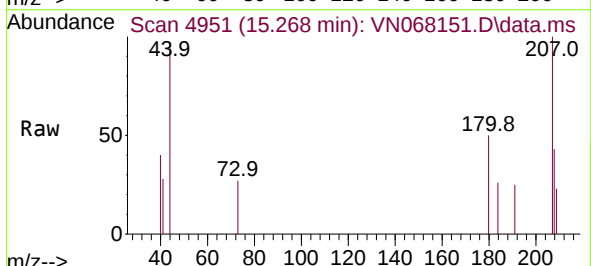
Tgt Ion:180 Resp: 335

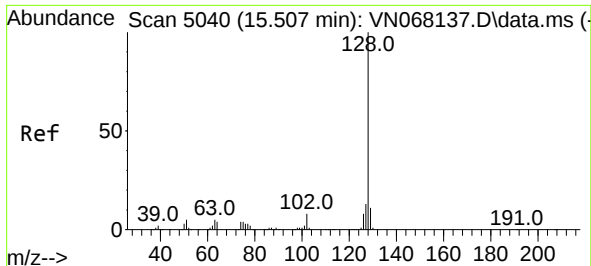
Ion Ratio Lower Upper

180 100

182 8.1 47.5 142.5#

145 0.0 17.2 51.6#

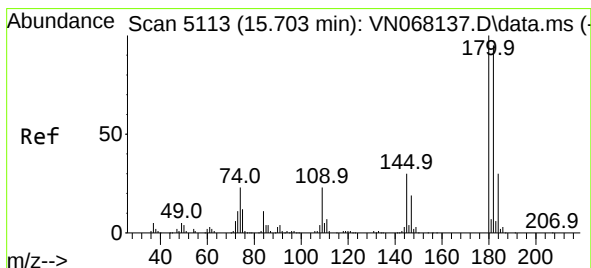
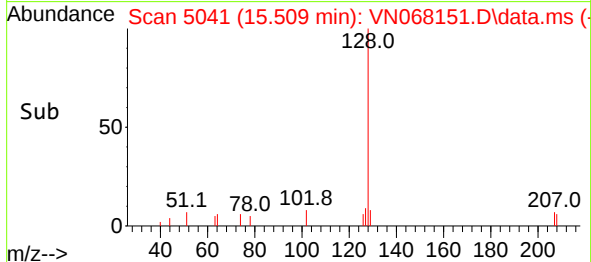
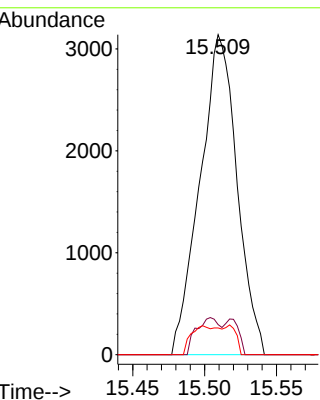
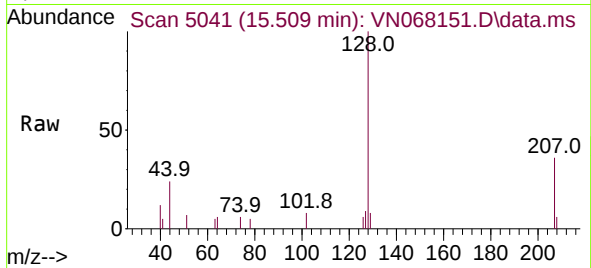




#95
Naphthalene
Concen: 3.874 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068151.D
Acq: 17 Aug 2021 18:31

Instrument :
MSVOA_N
ClientSampled :
41940

Tgt Ion:128	Resp:	5599
Ion Ratio	Lower	Upper
128	100	
127	7.5	10.6 15.8#
129	4.8	8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.987 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. -0.001 min
Lab File: VN068151.D
Acq: 17 Aug 2021 18:31

Tgt Ion:180	Resp:	658
Ion Ratio	Lower	Upper
180	100	
182	42.4	47.8 143.3#
145	7.8	18.2 54.6#

