

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081721\
 Data File : VN068154.D
 Acq On : 17 Aug 2021 19:45
 Operator : JC/MD
 Sample : M3361-18 20X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 41949

Quant Time: Aug 18 07:21:22 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)

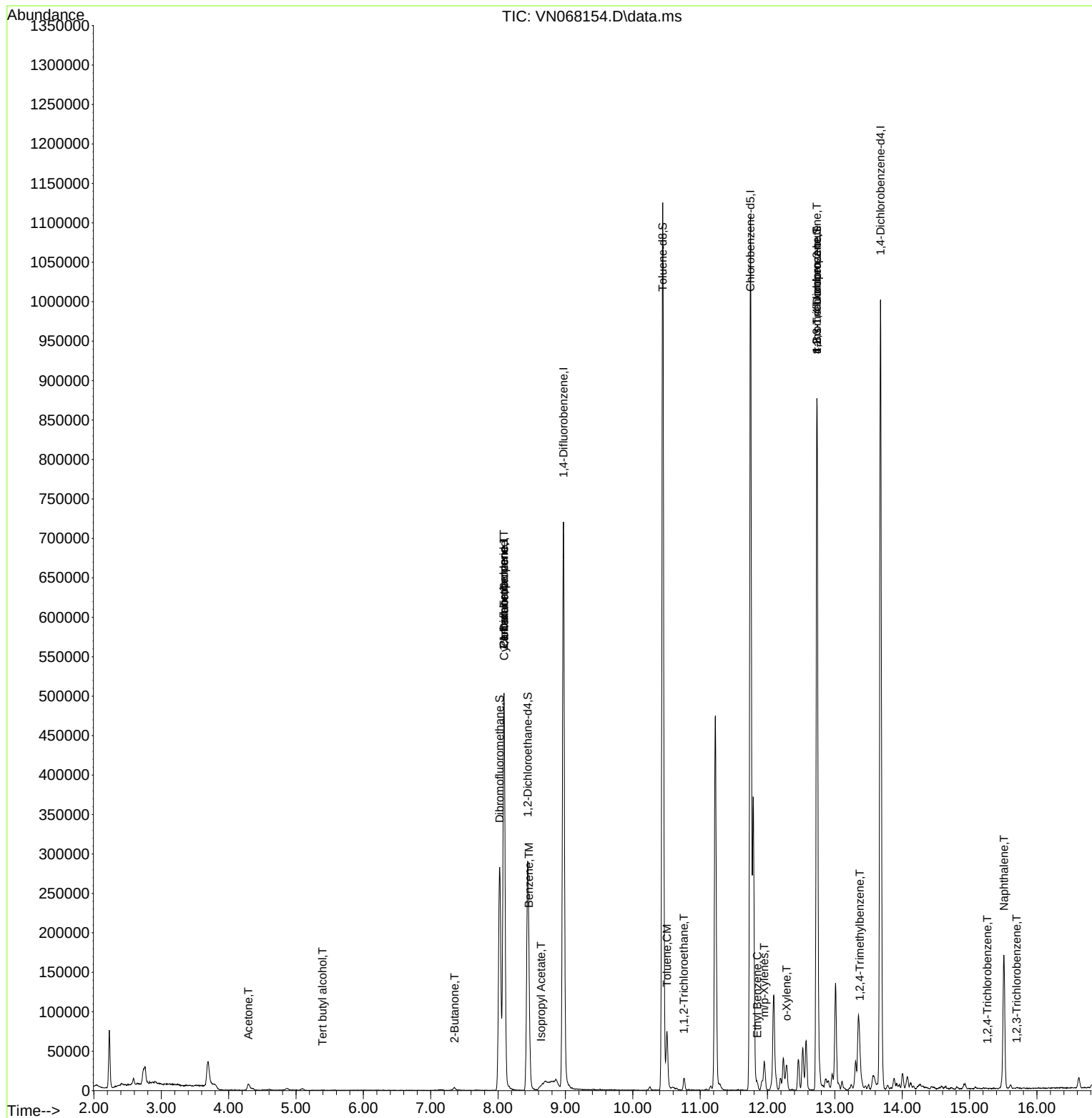
Internal Standards						
1) Pentafluorobenzene	8.088	168	417598	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	687697	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	695408	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	297178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	233065	52.271	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 104.540%	
35) Dibromofluoromethane	8.024	113	209234	48.461	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 96.920%	
50) Toluene-d8	10.443	98	834820	50.745	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 101.480%	
62) 4-Bromofluorobenzene	12.734	95	296332	54.109	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 108.220%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.826	94	114	Below Cal	# 88	
6) Chloroethane	3.022	64	25	Below Cal	# 44	
11) Tert butyl alcohol	5.393	59	209	0.376	ug/l	# 71
13) Acrolein	4.044	56	328	Below Cal	# 89	
16) Acetone	4.293	43	13692	10.517	ug/l	# 85
18) Methyl Acetate	4.870	43	4603	Below Cal	# 96	
20) Methylene Chloride	5.095	84	466	Below Cal	# 36	
25) 2-Butanone	7.354	43	4180	2.060	ug/l	93
31) Cyclohexane	8.091	56	7591	1.293	ug/l	# 14
36) 1,1-Dichloropropene	8.086	75	26723	4.754	ug/l	# 52
38) Carbon Tetrachloride	8.088	117	38421	5.926	ug/l	# 17
40) Benzene	8.458	78	48765	2.842	ug/l	98
43) Isopropyl Acetate	8.638	43	4223	0.550	ug/l	# 58
52) Toluene	10.508	92	29377	2.511	ug/l	99
55) 1,1,2-Trichloroethane	10.760	97	12614	2.699	ug/l	# 16
67) Ethyl Benzene	11.849	91	5540	0.236	ug/l	100
68) m/p-Xylenes	11.953	106	12341	1.314	ug/l	83
69) o-Xylene	12.283	106	7109	0.783	ug/l	92
76) 1,2,3-Trichloropropane	12.734	75	151698	30.712	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.734	75	151698	100.617	ug/l	# 6
84) 1,2,4-Trimethylbenzene	13.372	105	16266	0.975	ug/l	97
93) 1,2,4-Trichlorobenzene	15.263	180	366	2.755	ug/l	# 53
95) Naphthalene	15.509	128	164069	16.468	ug/l	99
96) 1,2,3-Trichlorobenzene	15.700	180	270	2.885	ug/l	# 48

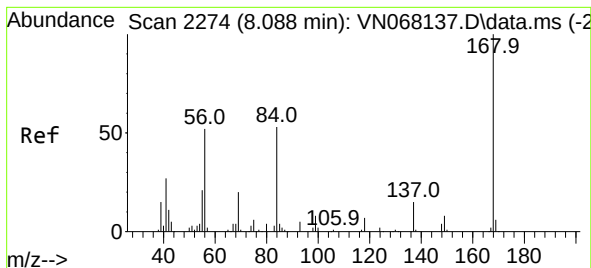
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 8.088 min Scan# 2274

Delta R.T. 0.000 min

Lab File: VN068154.D

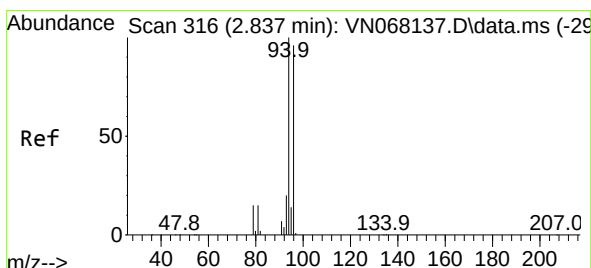
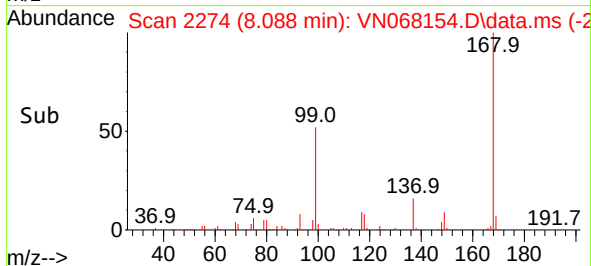
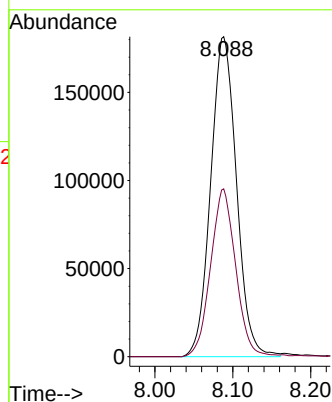
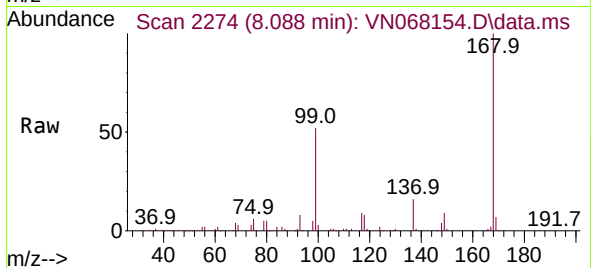
Acq: 17 Aug 2021 19:45

Tgt Ion:168 Resp: 417598

Ion Ratio Lower Upper

168 100

99 52.4 62.9 94.3#



#5

Bromomethane

Concen: Below Cal

RT: 2.826 min Scan# 312

Delta R.T. -0.011 min

Lab File: VN068154.D

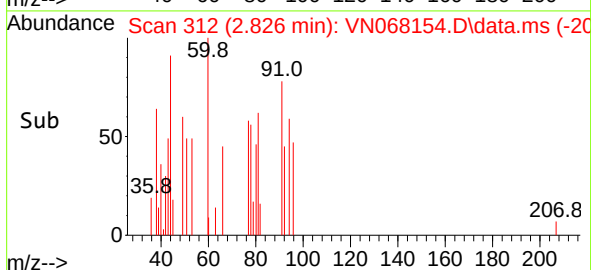
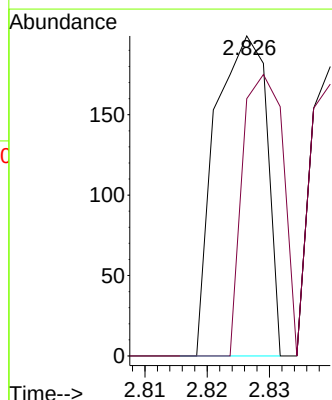
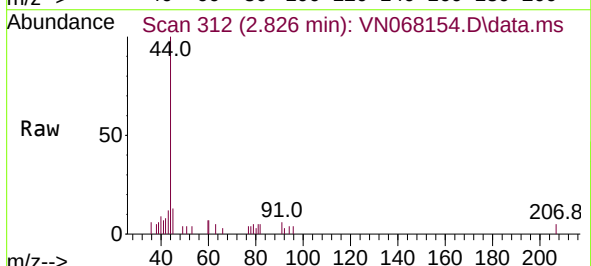
Acq: 17 Aug 2021 19:45

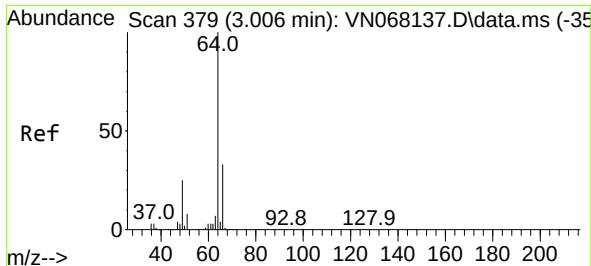
Tgt Ion: 94 Resp: 114

Ion Ratio Lower Upper

94 100

96 80.4 73.7 110.5

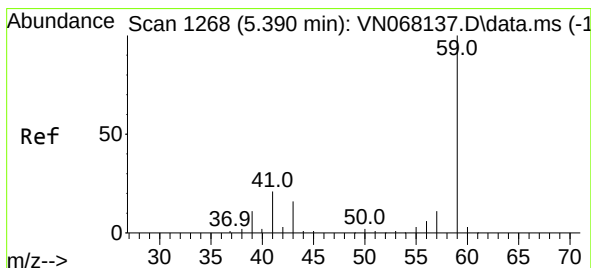
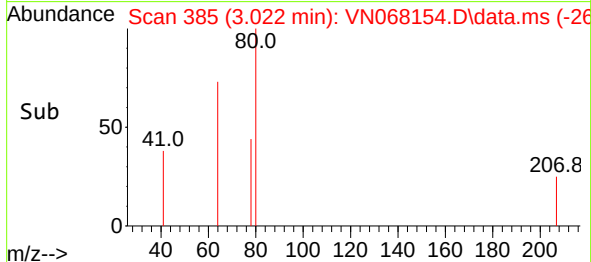
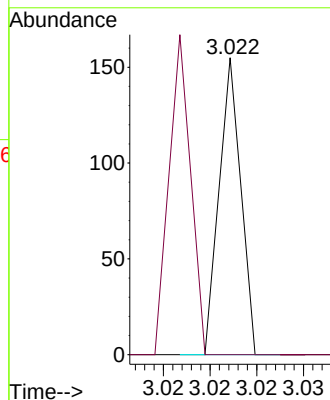
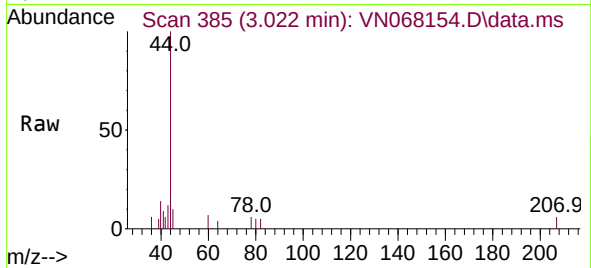




#6
Chloroethane
Concen: Below Cal
RT: 3.022 min Scan# 385
Delta R.T. 0.016 min
Lab File: VN068154.D
Acq: 17 Aug 2021 19:45

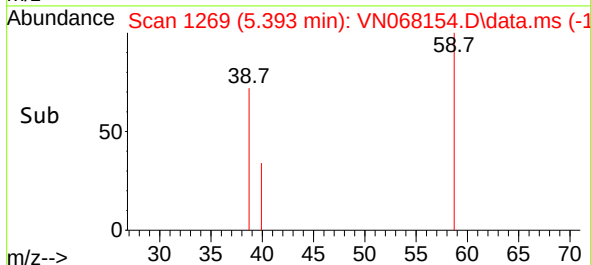
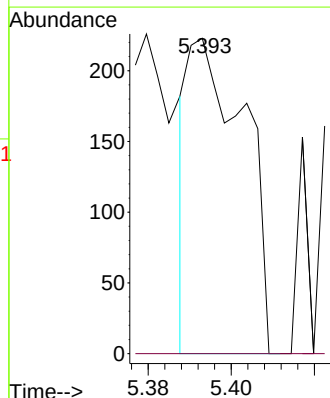
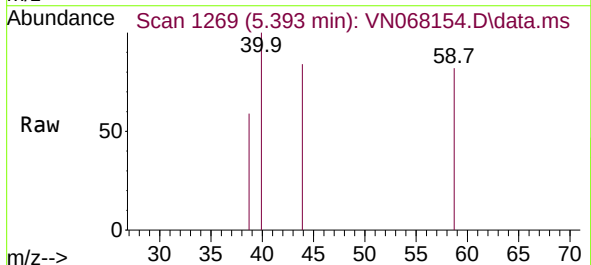
Instrument :
MSVOA_N
ClientSampleId :
41949

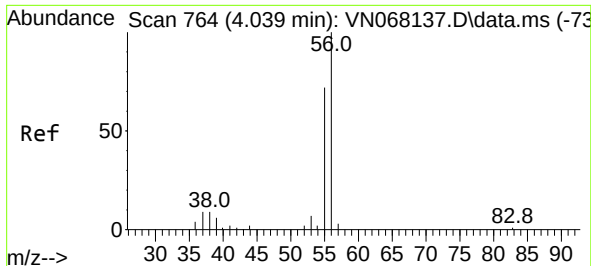
Tgt Ion: 64 Resp: 25
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.376 ug/l
RT: 5.393 min Scan# 1269
Delta R.T. 0.003 min
Lab File: VN068154.D
Acq: 17 Aug 2021 19:45

Tgt Ion: 59 Resp: 209
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

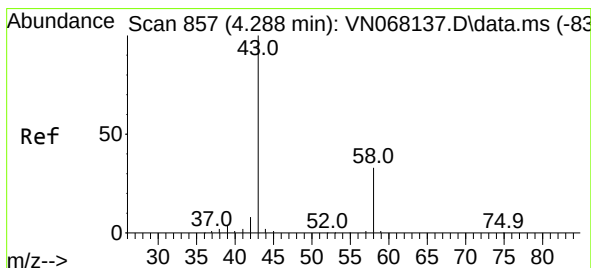
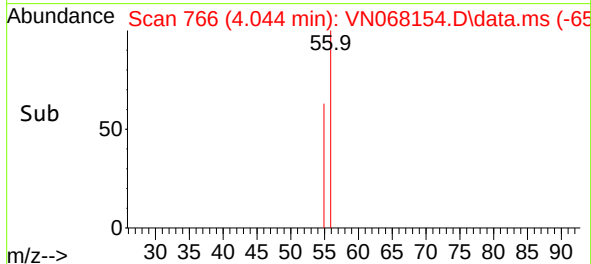
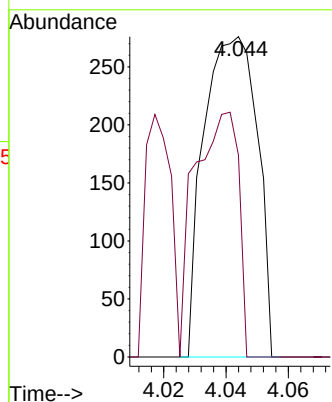
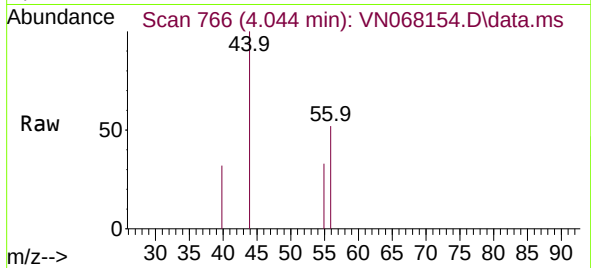




#13
Acrolein
Concen: Below Cal
RT: 4.044 min Scan# 766
Delta R.T. 0.005 min
Lab File: VN068154.D
Acq: 17 Aug 2021 19:45

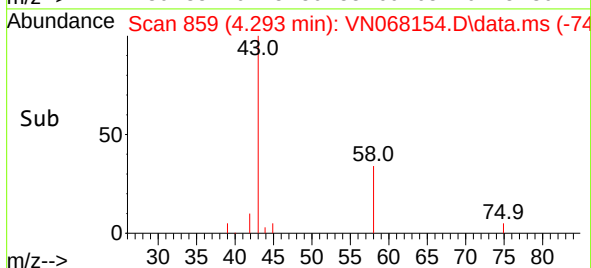
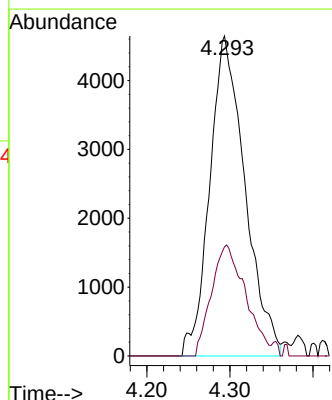
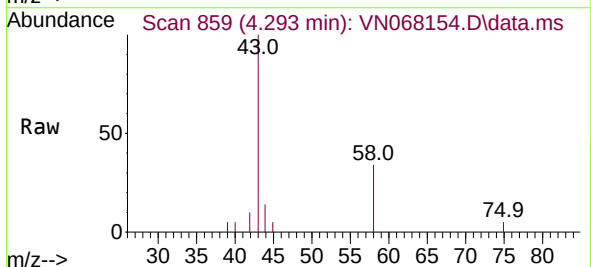
Instrument :
MSVOA_N
ClientSampled :
41949

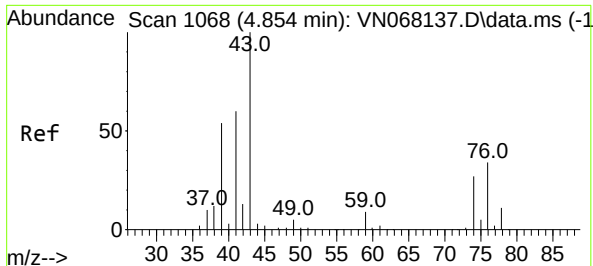
Tgt Ion: 56 Resp: 328
Ion Ratio Lower Upper
56 100
55 62.5 57.4 86.0



#16
Acetone
Concen: 10.517 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN068154.D
Acq: 17 Aug 2021 19:45

Tgt Ion: 43 Resp: 13692
Ion Ratio Lower Upper
43 100
58 34.1 21.2 31.8#

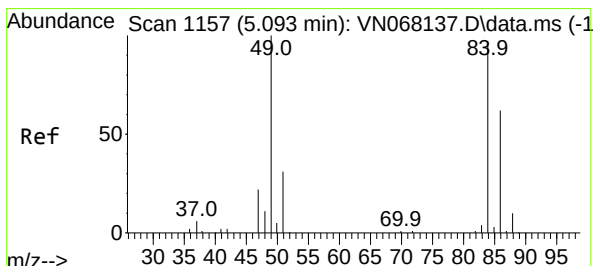
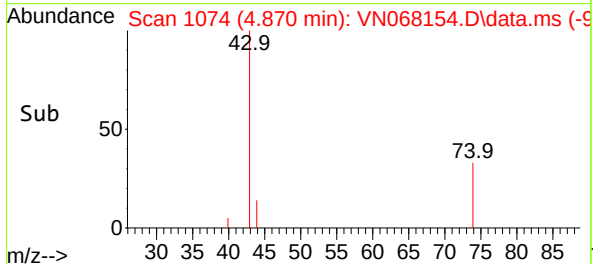
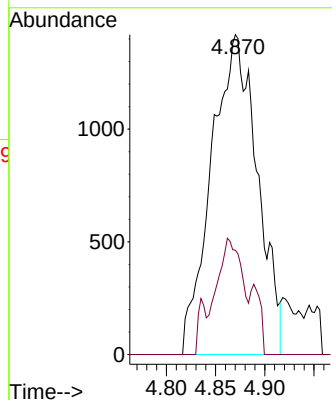
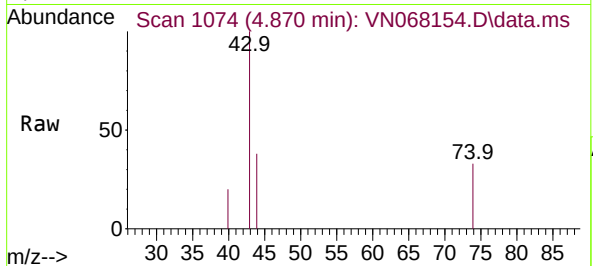




#18
Methyl Acetate
Concen: Below Cal
RT: 4.870 min Scan# 1074
Delta R.T. 0.016 min
Lab File: VN068154.D
Acq: 17 Aug 2021 19:45

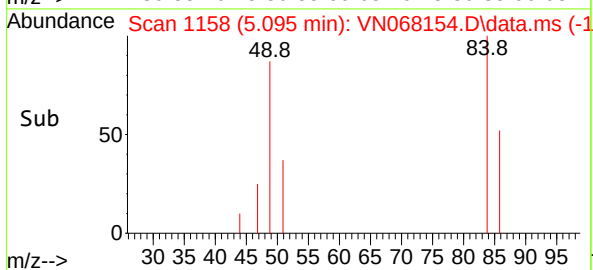
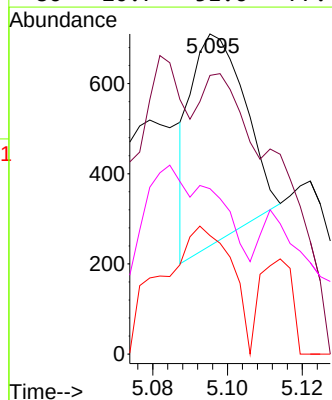
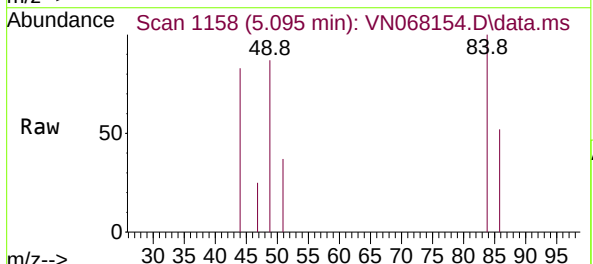
Instrument :
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ClientSampled :
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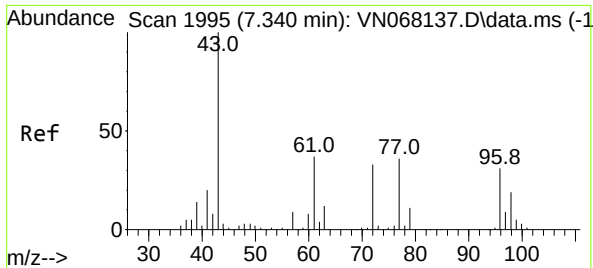
Tgt Ion: 43 Resp: 4603
Ion Ratio Lower Upper
43 100
74 19.6 17.4 26.0



#20
Methylene Chloride
Concen: Below Cal
RT: 5.095 min Scan# 1158
Delta R.T. 0.002 min
Lab File: VN068154.D
Acq: 17 Aug 2021 19:45

Tgt Ion: 84 Resp: 466
Ion Ratio Lower Upper
84 100
49 46.5 110.9 166.3#
51 17.3 32.6 49.0#
86 20.7 51.6 77.4#

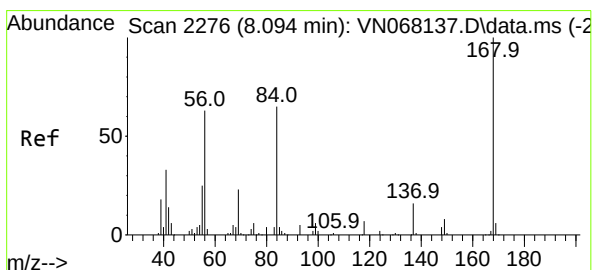
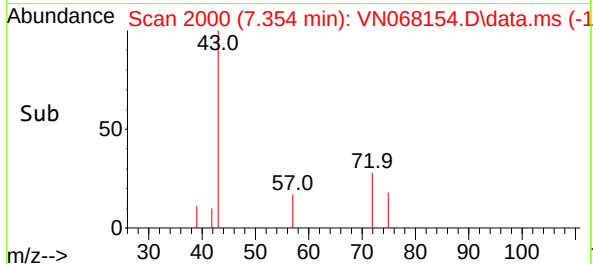
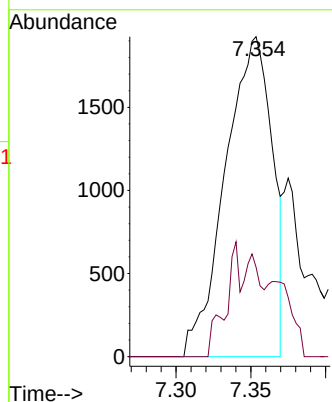
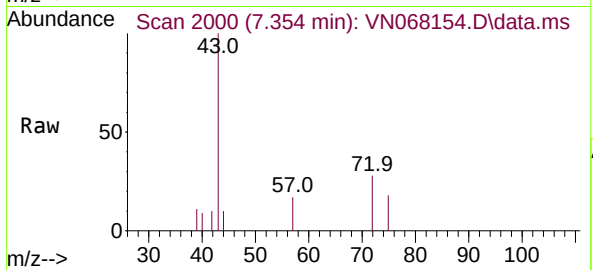




#25
2-Butanone
Concen: 2.060 ug/l
RT: 7.354 min Scan# 2000
Delta R.T. 0.014 min
Lab File: VN068154.D
Acq: 17 Aug 2021 19:45

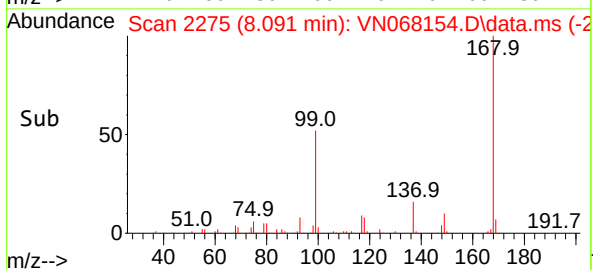
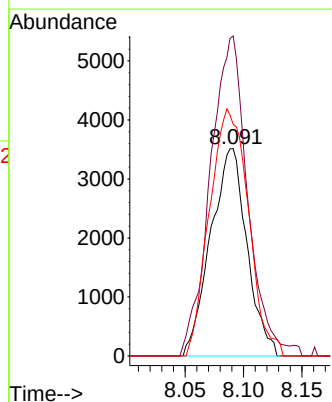
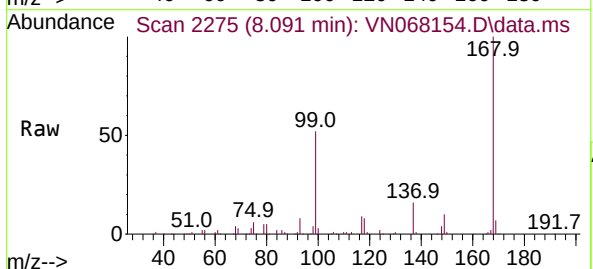
Instrument :
MSVOA_N
ClientSampled :
41949

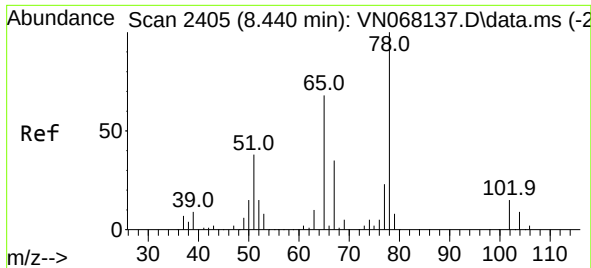
Tgt Ion: 43 Resp: 4180
Ion Ratio Lower Upper
43 100
72 28.0 19.7 29.5



#31
Cyclohexane
Concen: 1.293 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.003 min
Lab File: VN068154.D
Acq: 17 Aug 2021 19:45

Tgt Ion: 56 Resp: 7591
Ion Ratio Lower Upper
56 100
69 154.3 27.3 40.9#
84 111.7 64.9 97.3#

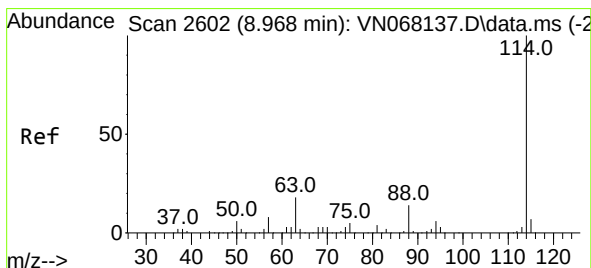
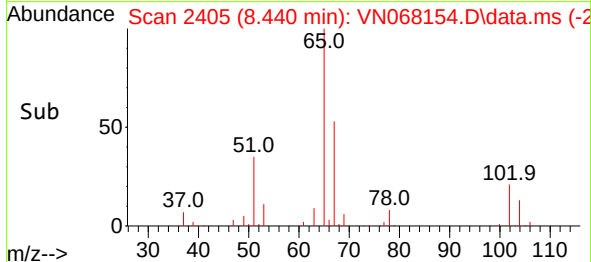
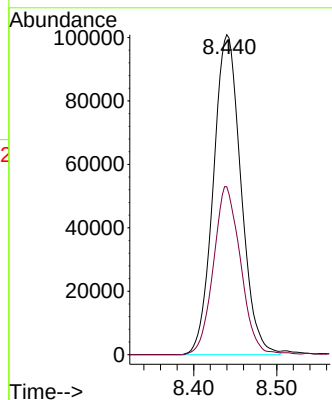
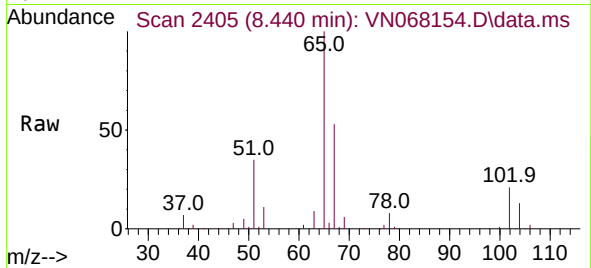




#33
 1,2-Dichloroethane-d4
 Concen: 52.271 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068154.D
 Acq: 17 Aug 2021 19:45

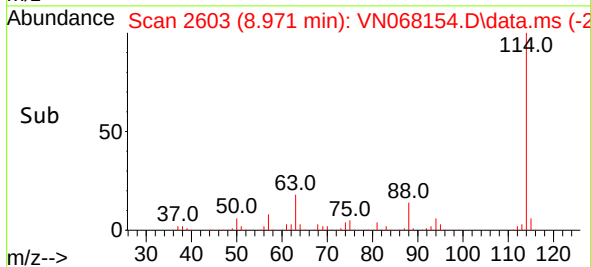
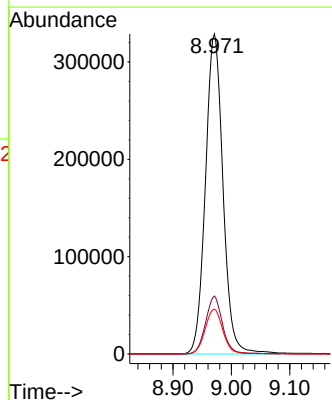
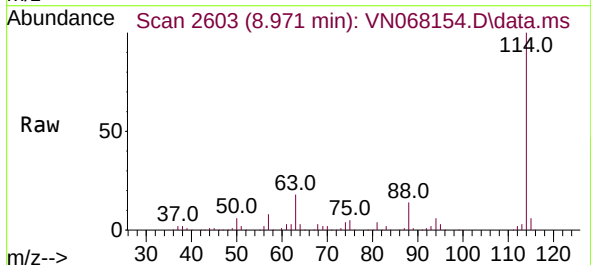
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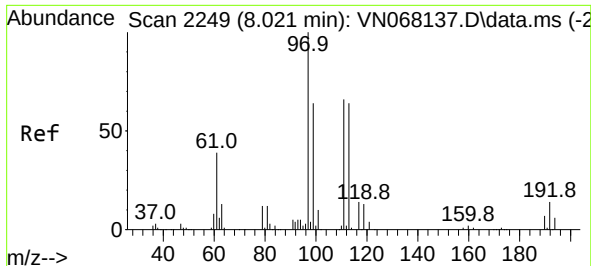
Tgt Ion: 65 Resp: 233065
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068154.D
 Acq: 17 Aug 2021 19:45

Tgt Ion: 114 Resp: 687697
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 49.0
 88 14.0 0.0 36.6

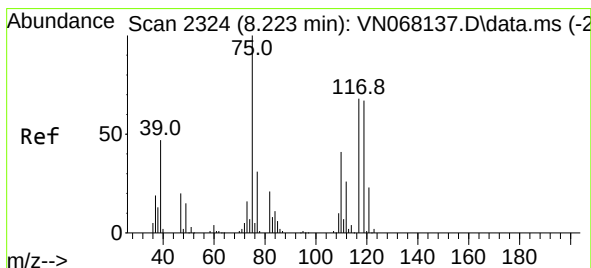
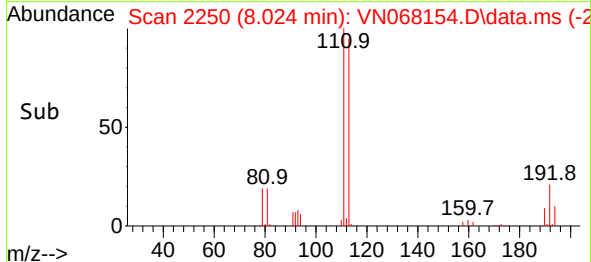
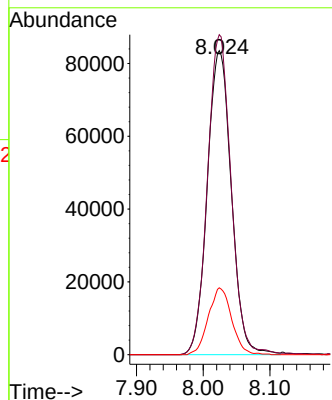
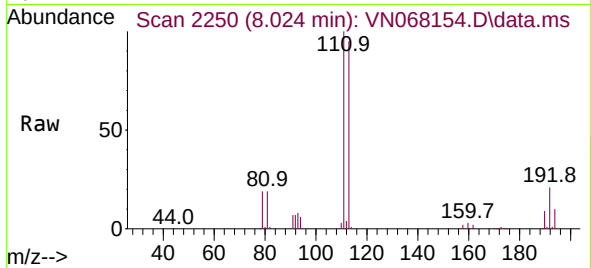




#35
Dibromofluoromethane
Concen: 48.461 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068154.D
Acq: 17 Aug 2021 19:45

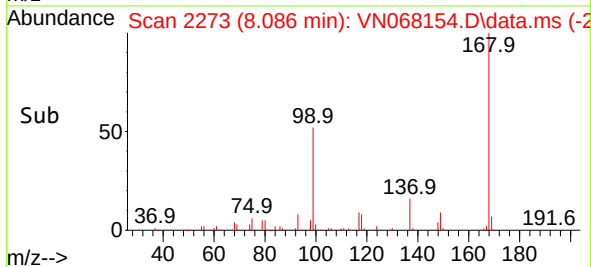
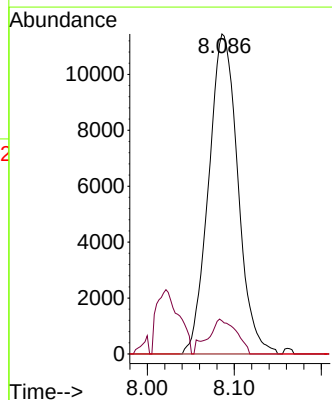
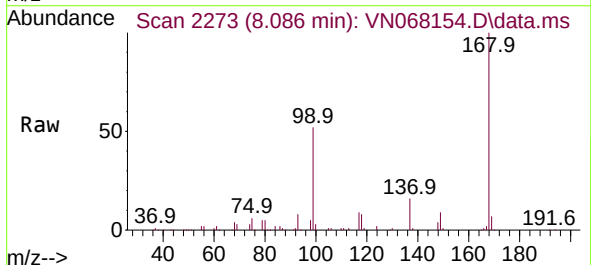
Instrument :
MSVOA_N
ClientSampled :
41949

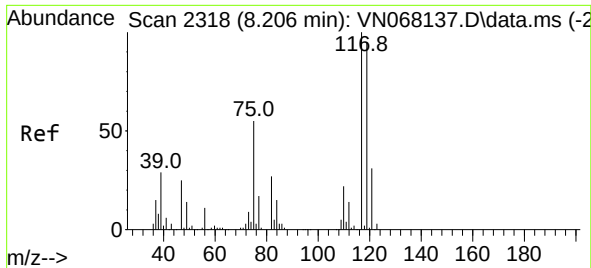
Tgt Ion:113 Resp: 209234
Ion Ratio Lower Upper
113 100
111 103.1 83.8 125.8
192 21.2 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.754 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068154.D
Acq: 17 Aug 2021 19:45

Tgt Ion: 75 Resp: 26723
Ion Ratio Lower Upper
75 100
110 9.0 15.7 47.0#
77 0.0 24.6 37.0#

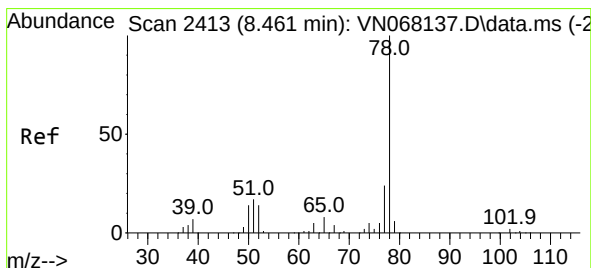
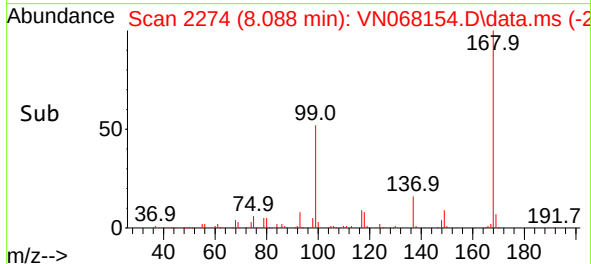
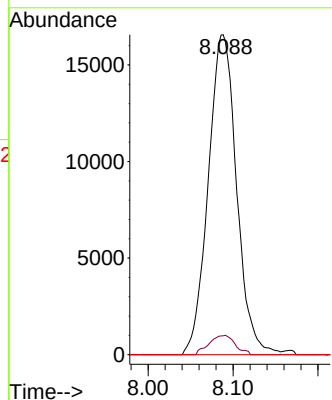
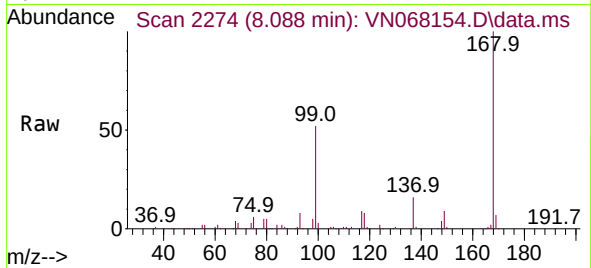




#38
Carbon Tetrachloride
Concen: 5.926 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068154.D
Acq: 17 Aug 2021 19:45

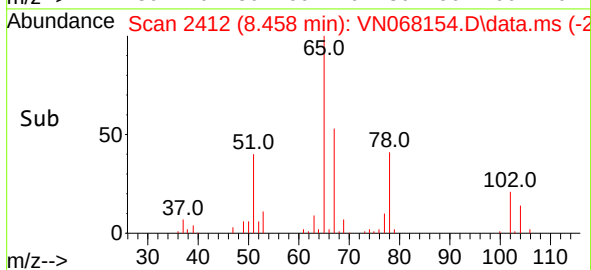
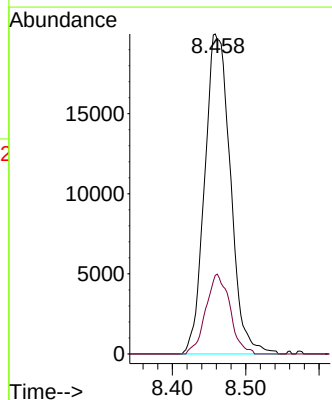
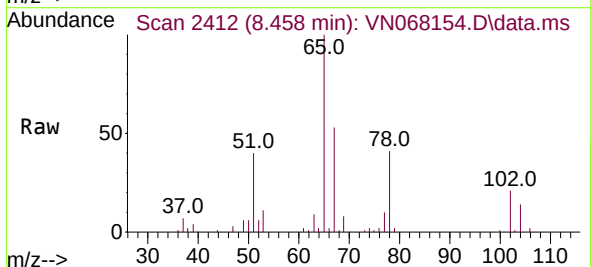
Instrument :
MSVOA_N
ClientSampleId :
41949

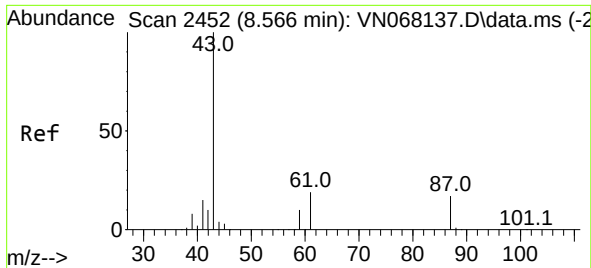
Tgt Ion:117 Resp: 38421
Ion Ratio Lower Upper
117 100
119 5.9 75.4 113.2#
121 0.0 23.5 35.3#



#40
Benzene
Concen: 2.842 ug/l
RT: 8.458 min Scan# 2412
Delta R.T. -0.003 min
Lab File: VN068154.D
Acq: 17 Aug 2021 19:45

Tgt Ion: 78 Resp: 48765
Ion Ratio Lower Upper
78 100
77 24.6 18.9 28.3

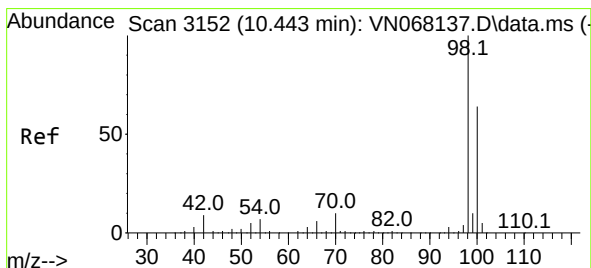
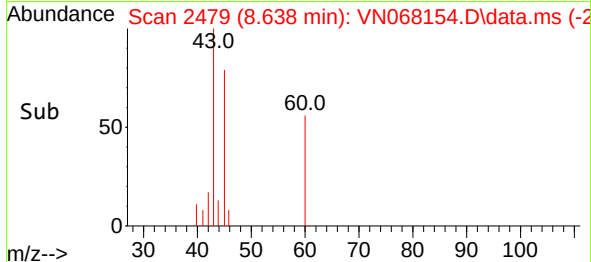
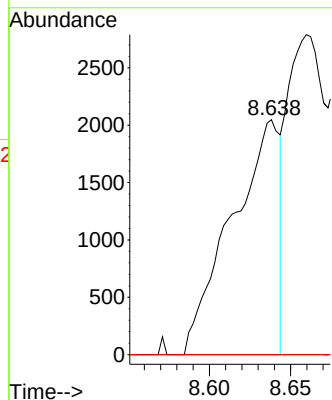
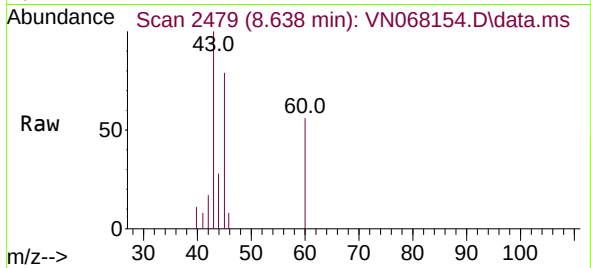




#43
Isopropyl Acetate
Concen: 0.550 ug/l
RT: 8.638 min Scan# 2479
Delta R.T. 0.072 min
Lab File: VN068154.D
Acq: 17 Aug 2021 19:45

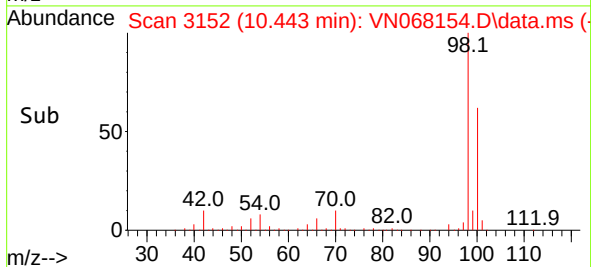
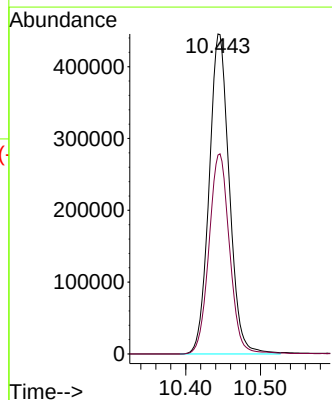
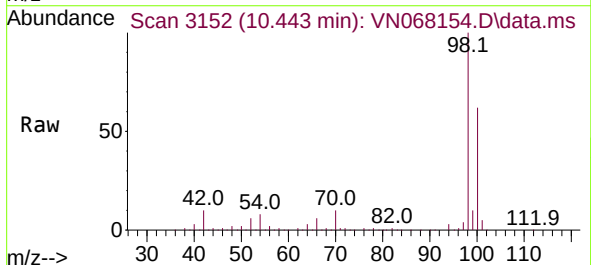
Instrument :
MSVOA_N
ClientSampled :
41949

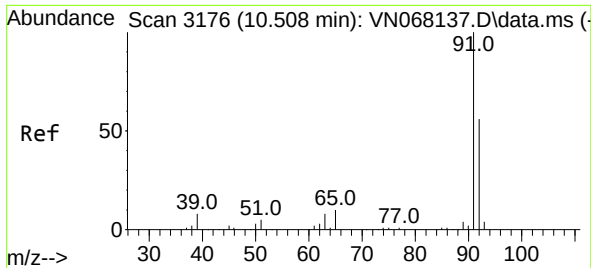
Tgt Ion: 43 Resp: 4223
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#



#50
Toluene-d8
Concen: 50.745 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068154.D
Acq: 17 Aug 2021 19:45

Tgt Ion: 98 Resp: 834820
Ion Ratio Lower Upper
98 100
100 63.7 51.7 77.5

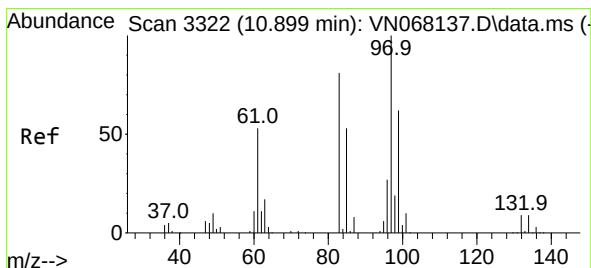
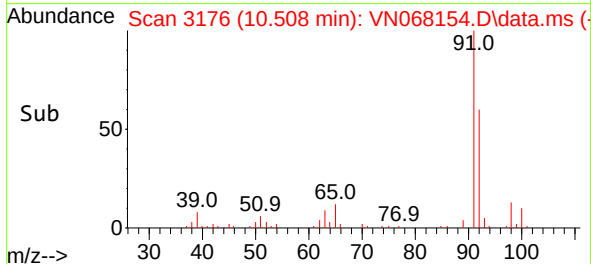
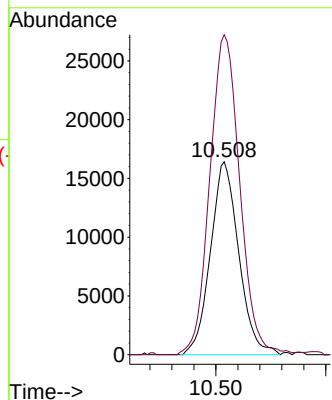
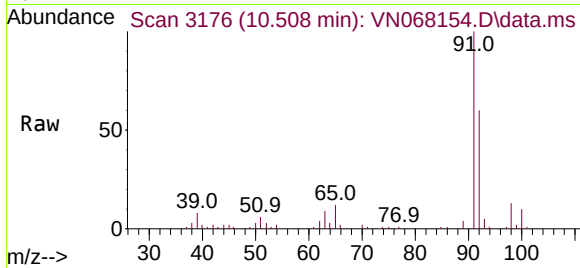




#52
Toluene
Concen: 2.511 ug/l
RT: 10.508 min Scan# 3176
Delta R.T. -0.000 min
Lab File: VN068154.D
Acq: 17 Aug 2021 19:45

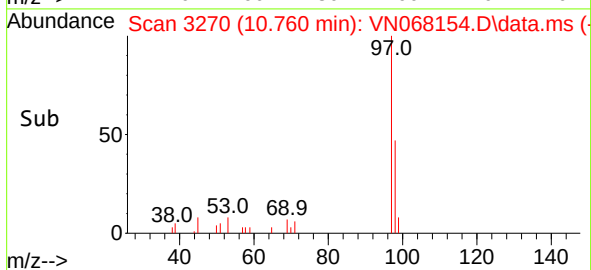
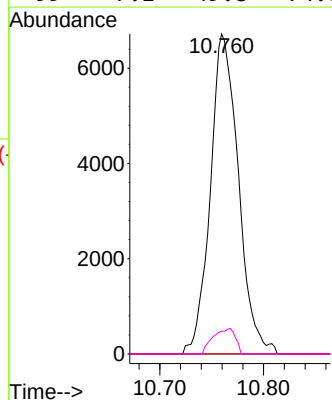
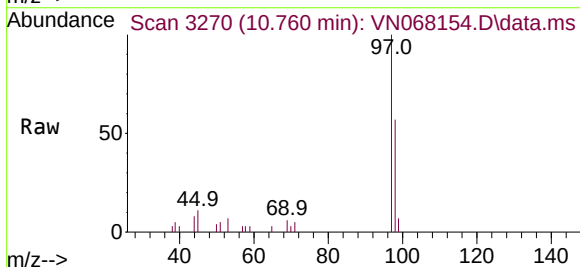
Instrument :
MSVOA_N
ClientSampled :
41949

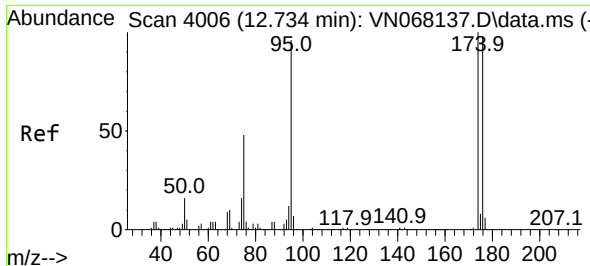
Tgt Ion: 92 Resp: 29377
Ion Ratio Lower Upper
92 100
91 175.5 139.6 209.4



#55
1,1,2-Trichloroethane
Concen: 2.699 ug/l
RT: 10.760 min Scan# 3270
Delta R.T. -0.139 min
Lab File: VN068154.D
Acq: 17 Aug 2021 19:45

Tgt Ion: 97 Resp: 12614
Ion Ratio Lower Upper
97 100
83 0.0 72.0 108.0#
85 0.0 46.8 70.2#
99 7.1 49.8 74.6#

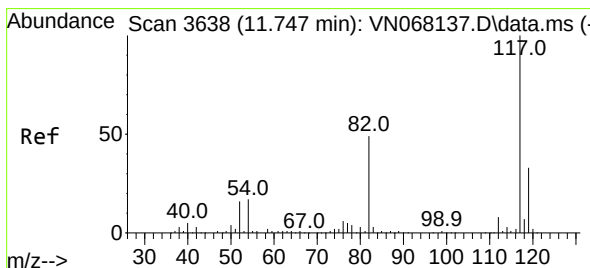
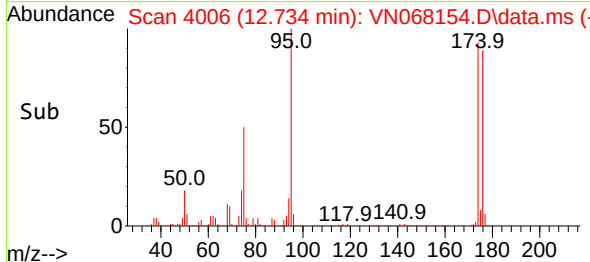
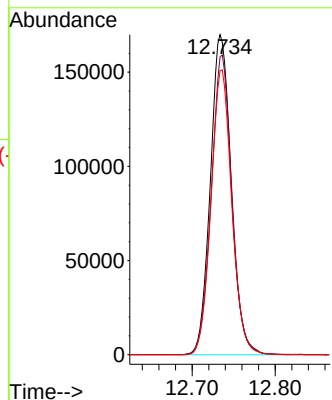
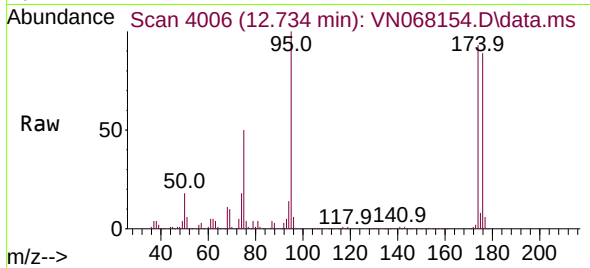




#62
4-Bromofluorobenzene
Concen: 54.109 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068154.D
Acq: 17 Aug 2021 19:45

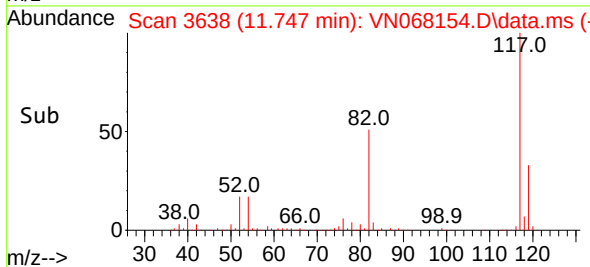
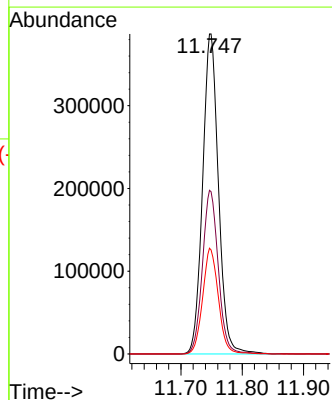
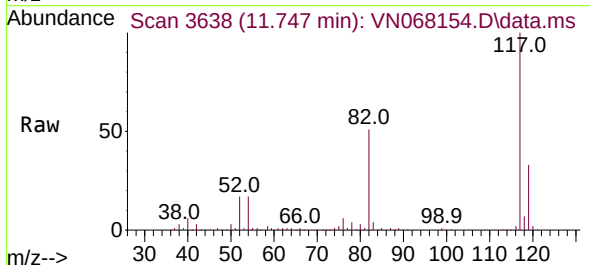
Instrument :
MSVOA_N
ClientSampleId :
41949

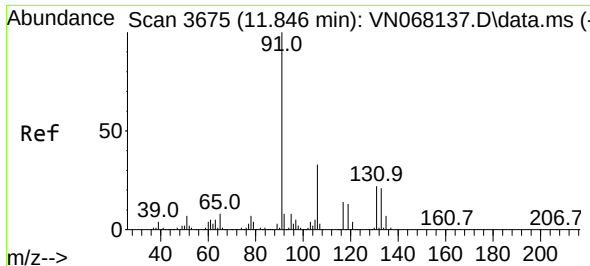
Tgt Ion: 95 Resp: 296332
Ion Ratio Lower Upper
95 100
174 93.0 0.0 122.0
176 88.2 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068154.D
Acq: 17 Aug 2021 19:45

Tgt Ion: 117 Resp: 695408
Ion Ratio Lower Upper
117 100
82 51.1 53.1 79.7#
119 33.0 25.5 38.3

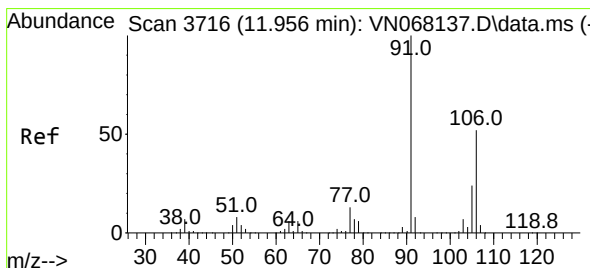
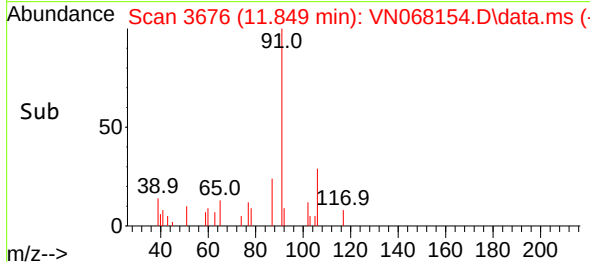
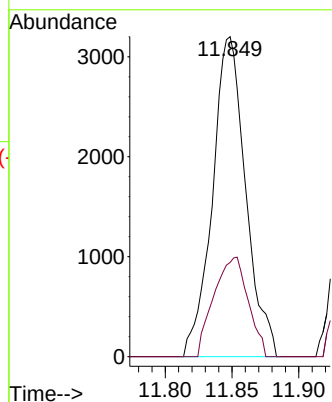
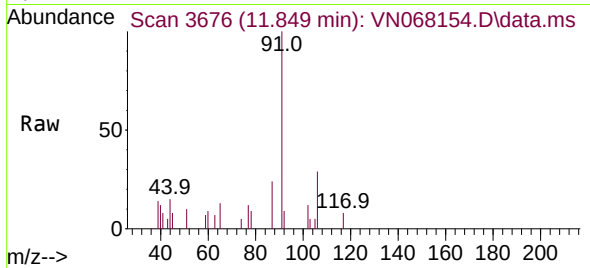




#67
Ethyl Benzene
Concen: 0.236 ug/l
RT: 11.849 min Scan# 3676
Delta R.T. 0.002 min
Lab File: VN068154.D
Acq: 17 Aug 2021 19:45

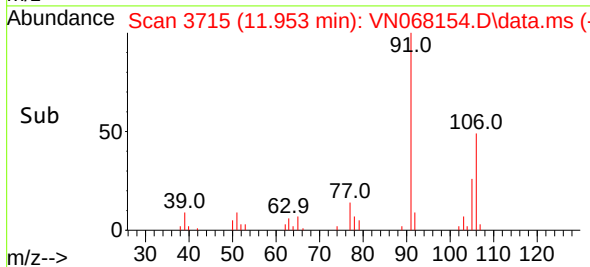
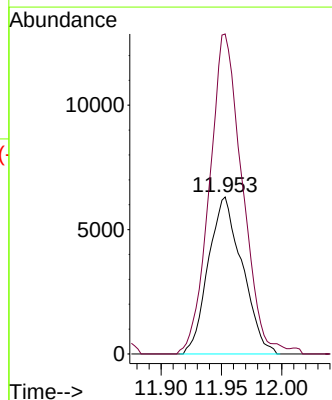
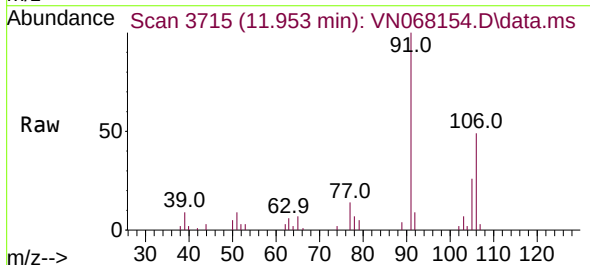
Instrument :
MSVOA_N
ClientSampled :
41949

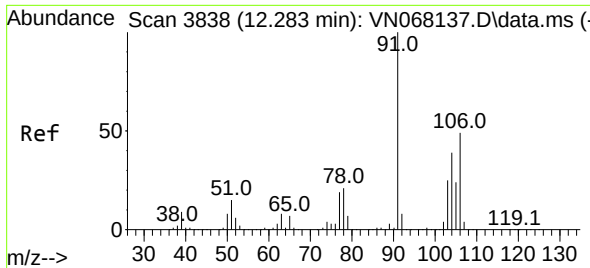
Tgt Ion: 91 Resp: 5540
Ion Ratio Lower Upper
91 100
106 29.5 23.4 35.0



#68
m/p-Xylenes
Concen: 1.314 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. -0.003 min
Lab File: VN068154.D
Acq: 17 Aug 2021 19:45

Tgt Ion: 106 Resp: 12341
Ion Ratio Lower Upper
106 100
91 197.1 180.6 270.8

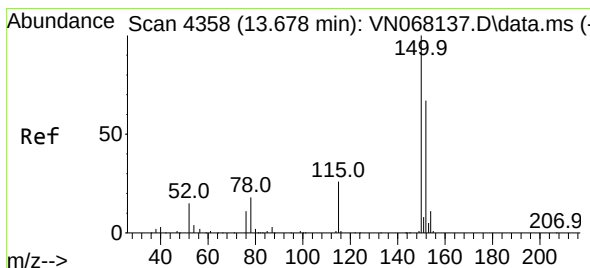
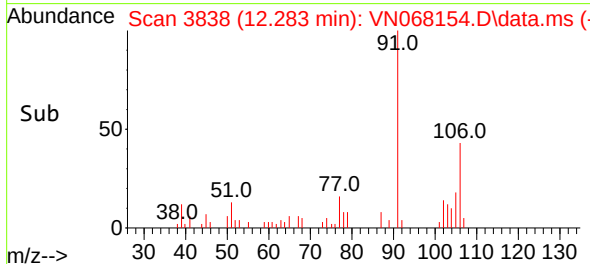
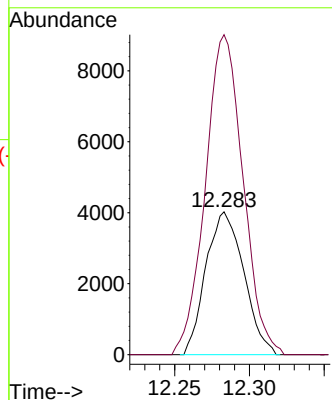
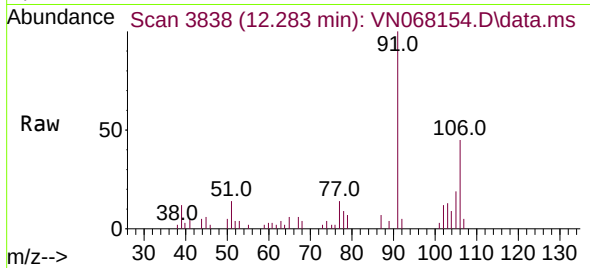




#69
o-Xylene
Concen: 0.783 ug/l
RT: 12.283 min Scan# 3838
Delta R.T. -0.000 min
Lab File: VN068154.D
Acq: 17 Aug 2021 19:45

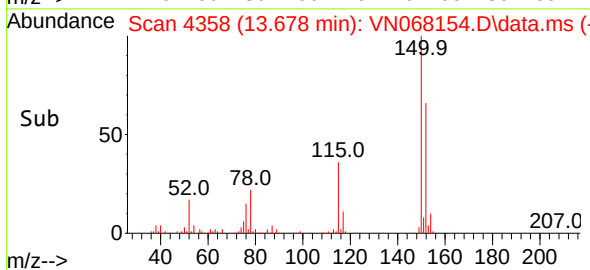
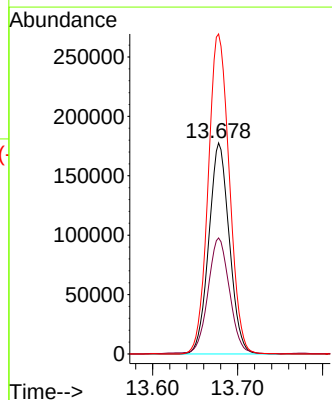
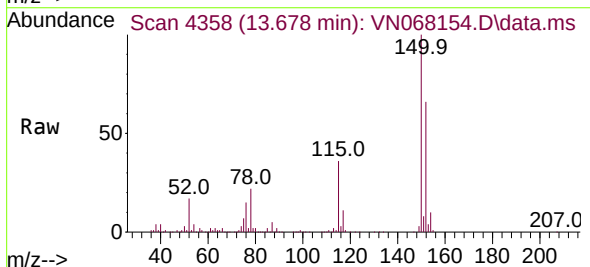
Instrument :
MSVOA_N
ClientSampled :
41949

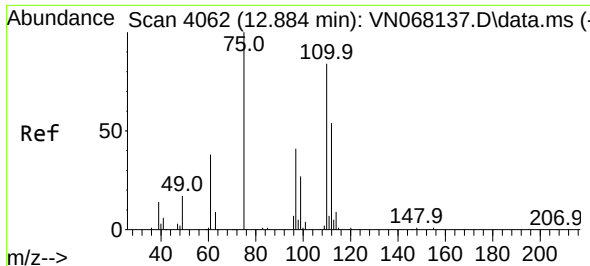
Tgt Ion:106 Resp: 7109
Ion Ratio Lower Upper
106 100
91 222.3 118.3 354.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068154.D
Acq: 17 Aug 2021 19:45

Tgt Ion:152 Resp: 297178
Ion Ratio Lower Upper
152 100
115 57.5 36.1 108.5
150 156.7 0.0 351.8

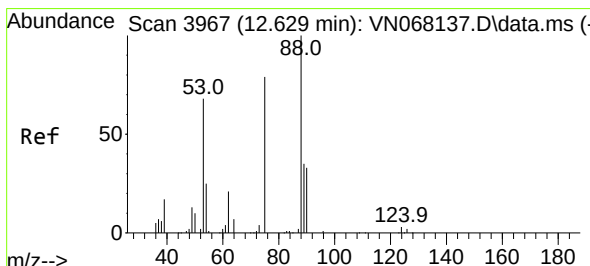
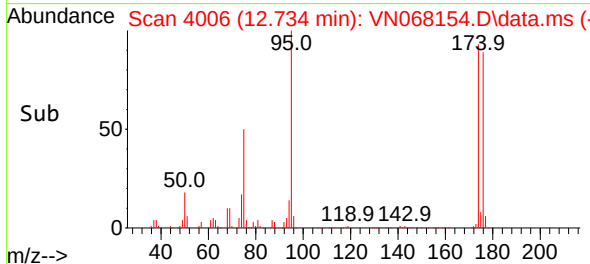
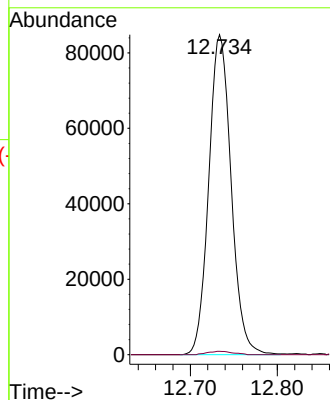
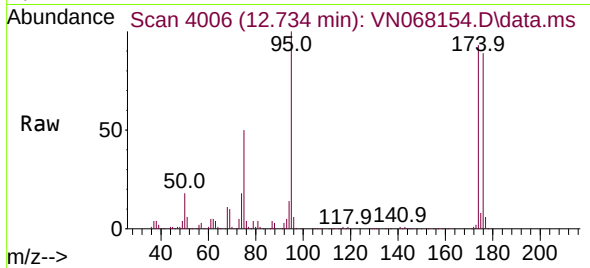




#76
1,2,3-Trichloropropane
Concen: 30.712 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN068154.D
Acq: 17 Aug 2021 19:45

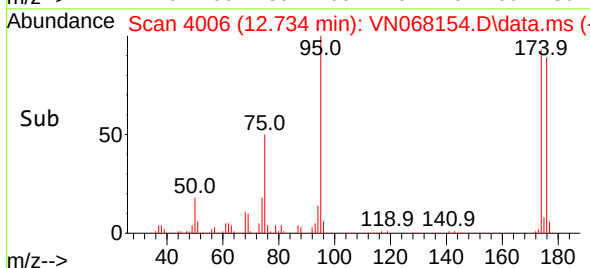
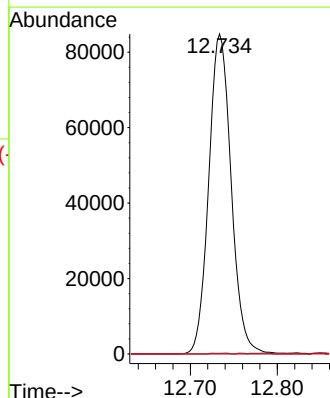
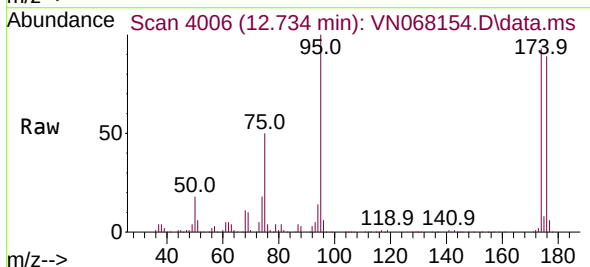
Instrument :
MSVOA_N
ClientSampled :
41949

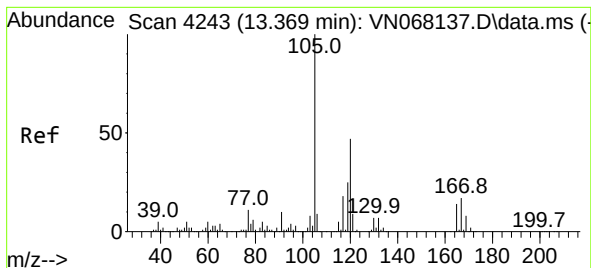
Tgt Ion: 75 Resp: 151698
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.617 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068154.D
Acq: 17 Aug 2021 19:45

Tgt Ion: 75 Resp: 151698
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#





#84

1,2,4-Trimethylbenzene

Concen: 0.975 ug/l

RT: 13.372 min Scan# 4244

Delta R.T. 0.003 min

Lab File: VN068154.D

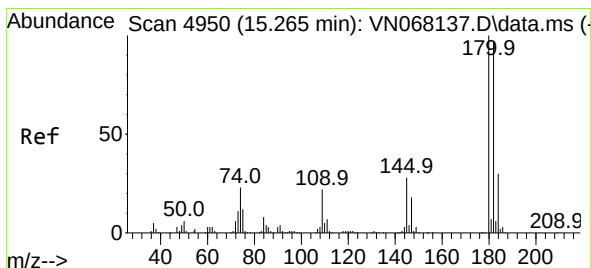
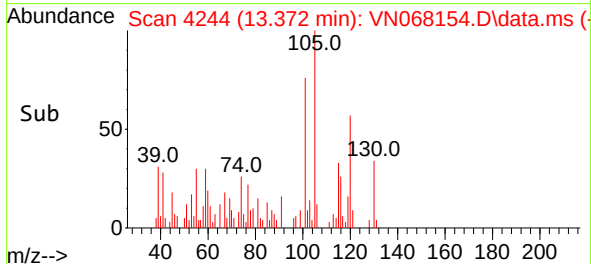
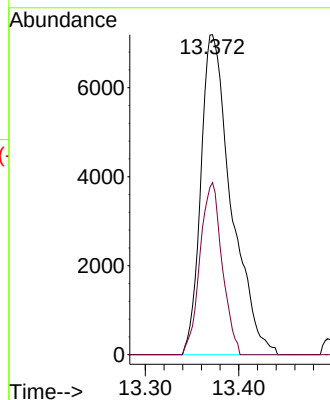
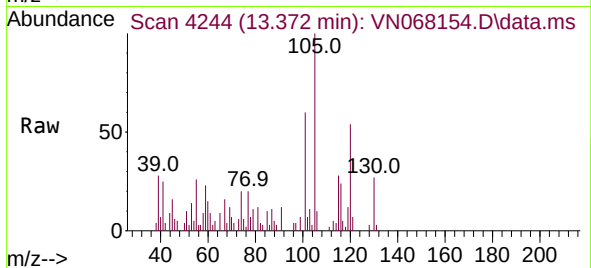
Acq: 17 Aug 2021 19:45

Tgt Ion:105 Resp: 16266

Ion Ratio Lower Upper

105 100

120 39.1 20.6 61.8



#93

1,2,4-Trichlorobenzene

Concen: 2.755 ug/l

RT: 15.263 min Scan# 4949

Delta R.T. -0.002 min

Lab File: VN068154.D

Acq: 17 Aug 2021 19:45

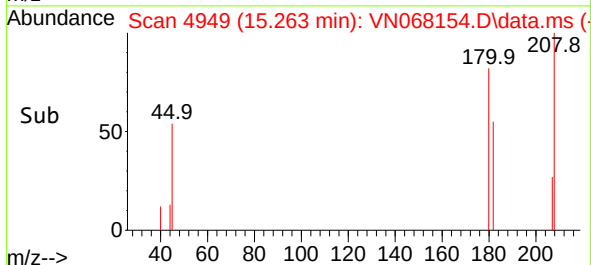
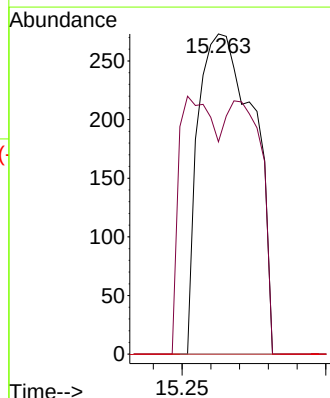
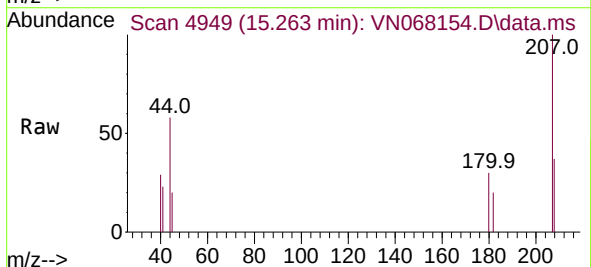
Tgt Ion:180 Resp: 366

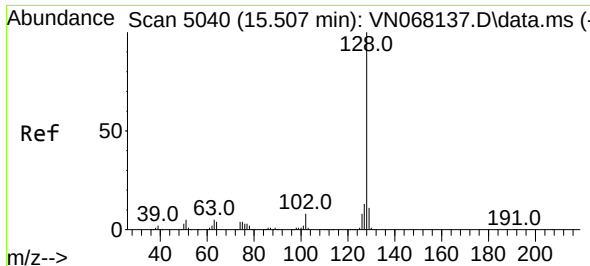
Ion Ratio Lower Upper

180 100

182 53.8 47.5 142.5

145 0.0 17.2 51.6#

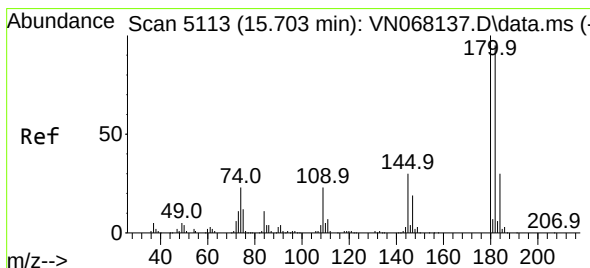
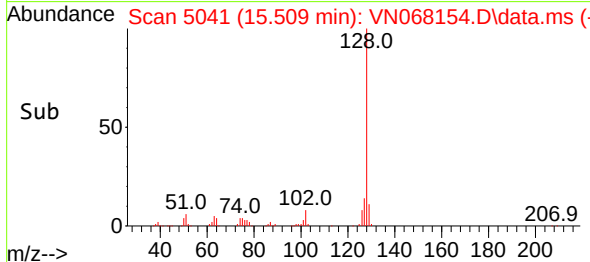
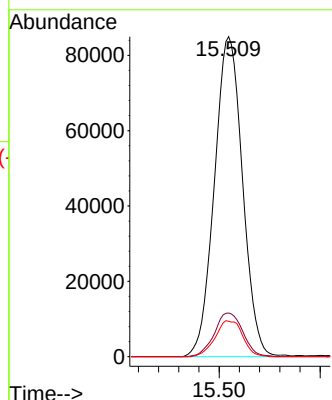
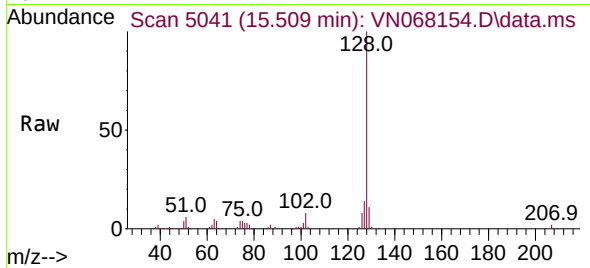




#95
Naphthalene
Concen: 16.468 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068154.D
Acq: 17 Aug 2021 19:45

Instrument :
MSVOA_N
ClientSampled :
41949

Tgt Ion:	128	Resp:	164069
Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.6	15.8
129	11.0	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 2.885 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.003 min
Lab File: VN068154.D
Acq: 17 Aug 2021 19:45

Tgt Ion:	180	Resp:	270
Ion	Ratio	Lower	Upper
180	100		
182	47.8	47.8	143.3
145	0.0	18.2	54.6#

