

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081721\
 Data File : VN068150.D
 Acq On : 17 Aug 2021 18:07
 Operator : JC/MD
 Sample : M3361-11 20X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 41942

Quant Time: Aug 18 07:20:41 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)

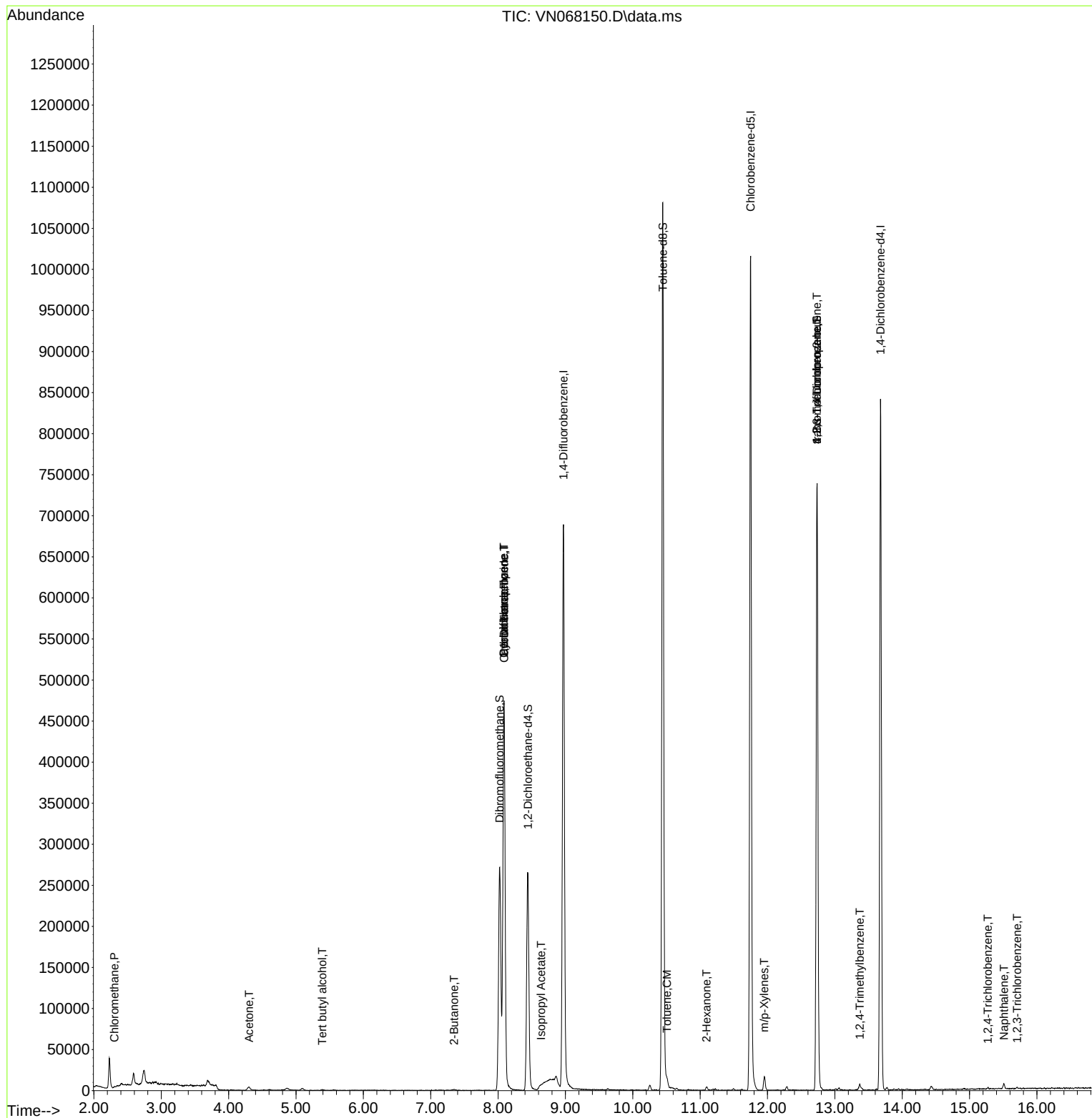
Internal Standards						
1) Pentafluorobenzene	8.088	168	395400	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	665304	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	652763	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	249897	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	226129	53.562	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 107.120%		
35) Dibromofluoromethane	8.024	113	205604	49.223	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 98.440%		
50) Toluene-d8	10.446	98	799153	50.212	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 100.420%		
62) 4-Bromofluorobenzene	12.734	95	260898	49.242	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 98.480%		
Target Compounds						
						Qvalue
3) Chloromethane	2.303	50	709	0.200	ug/l	# 88
5) Bromomethane	2.880	94	2400	Below Cal		94
6) Chloroethane	3.019	64	56	Below Cal	#	44
11) Tert butyl alcohol	5.390	59	217	0.412	ug/l	# 71
13) Acrolein	4.033	56	82	Below Cal	#	1
16) Acetone	4.301	43	6973	5.657	ug/l	# 83
18) Methyl Acetate	4.865	43	4664	Below Cal	#	65
20) Methylene Chloride	5.093	84	1376	Below Cal	#	48
25) 2-Butanone	7.348	43	567	0.295	ug/l	# 51
31) Cyclohexane	8.086	56	7038	1.266	ug/l	# 1
36) 1,1-Dichloropropene	8.086	75	26765	4.921	ug/l	# 52
38) Carbon Tetrachloride	8.091	117	37379	5.959	ug/l	# 17
43) Isopropyl Acetate	8.641	43	5340	0.720	ug/l	# 58
52) Toluene	10.505	92	3220	0.285	ug/l	91
59) 2-Hexanone	11.095	43	1320	0.417	ug/l	# 56
68) m/p-Xylenes	11.953	106	5605	0.636	ug/l	89
76) 1,2,3-Trichloropropane	12.734	75	130135	31.331	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.734	75	130135	102.646	ug/l	# 6
84) 1,2,4-Trimethylbenzene	13.372	105	5368	0.382	ug/l	93
93) 1,2,4-Trichlorobenzene	15.271	180	544	2.808	ug/l	# 83
95) Naphthalene	15.512	128	6150	3.929	ug/l	98
96) 1,2,3-Trichlorobenzene	15.705	180	546	2.961	ug/l	# 87

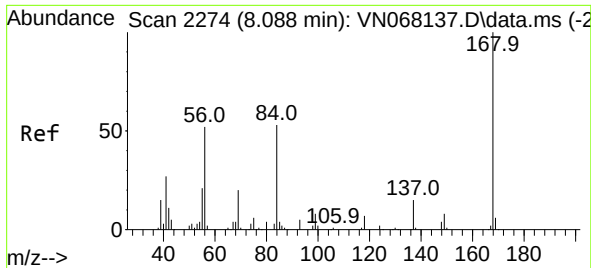
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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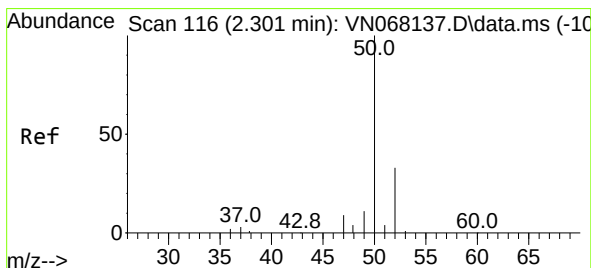
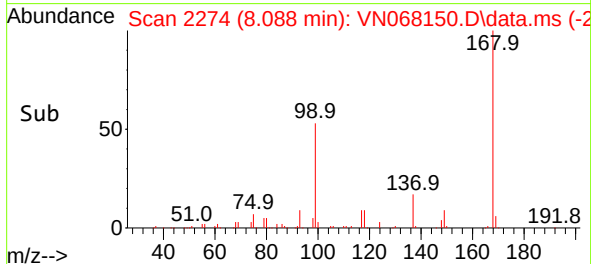
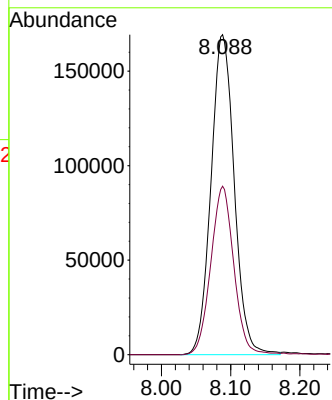
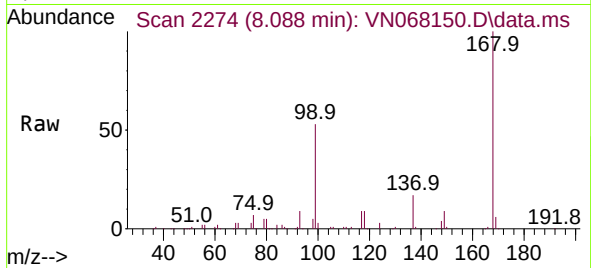




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068150.D
Acq: 17 Aug 2021 18:07

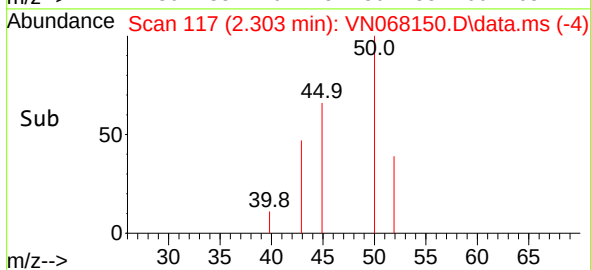
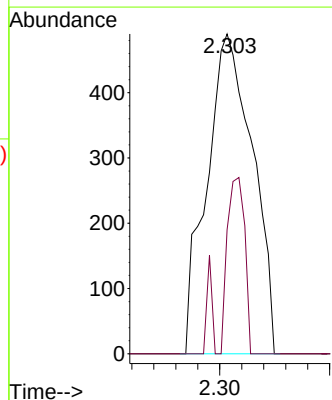
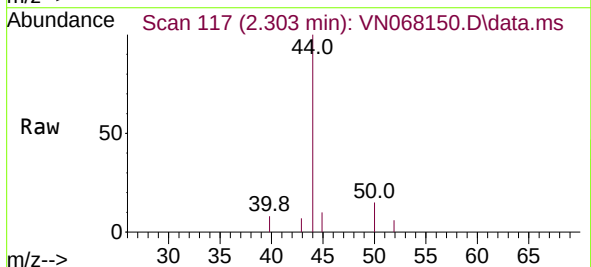
Instrument :
MSVOA_N
ClientSampled :
41942

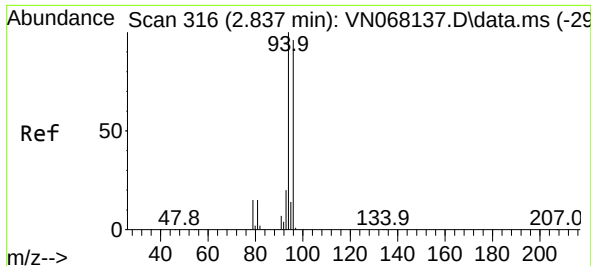
Tgt Ion:168 Resp: 395400
Ion Ratio Lower Upper
168 100
99 52.6 62.9 94.3#



#3
Chloromethane
Concen: 0.200 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.002 min
Lab File: VN068150.D
Acq: 17 Aug 2021 18:07

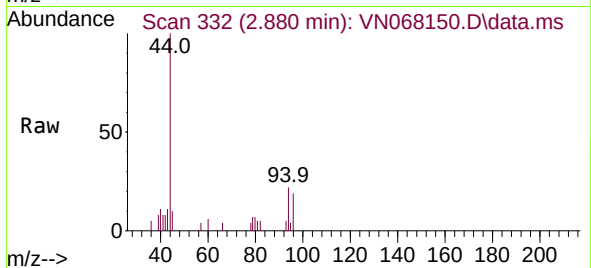
Tgt Ion: 50 Resp: 709
Ion Ratio Lower Upper
50 100
52 38.8 25.6 38.4#



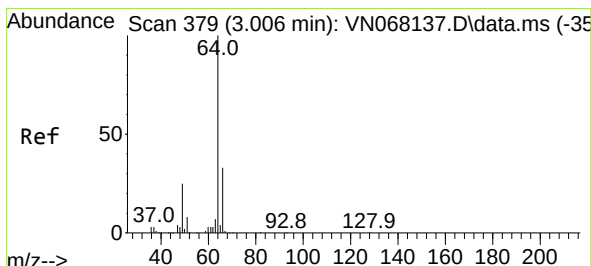
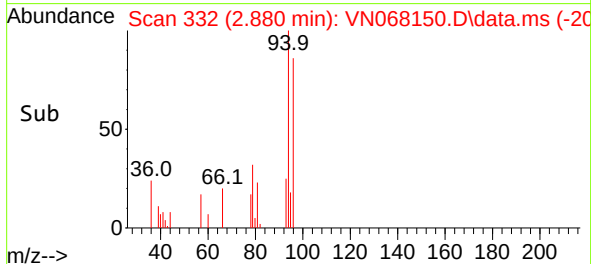
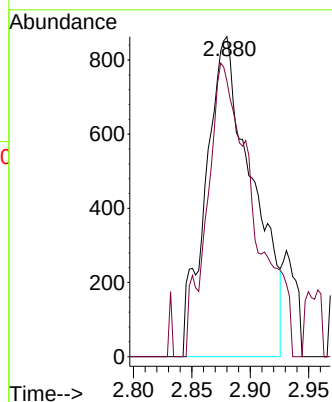


#5
Bromomethane
Concen: Below Cal
RT: 2.880 min Scan# 332
Delta R.T. 0.043 min
Lab File: VN068150.D
Acq: 17 Aug 2021 18:07

Instrument :
MSVOA_N
ClientSampleId :
41942

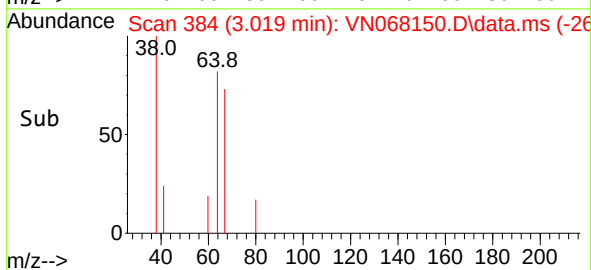
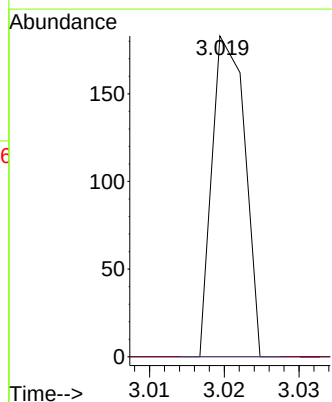
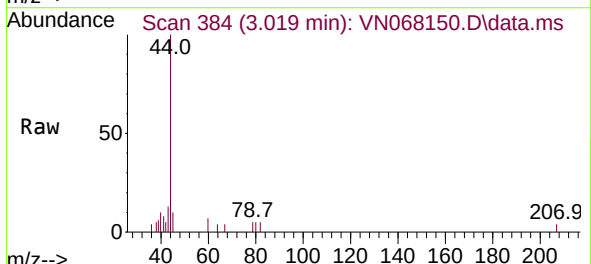


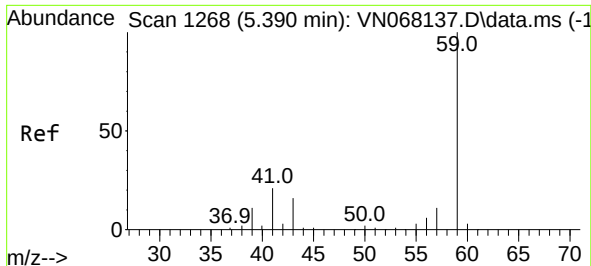
Tgt Ion: 94 Resp: 2400
Ion Ratio Lower Upper
94 100
96 86.1 73.7 110.5



#6
Chloroethane
Concen: Below Cal
RT: 3.019 min Scan# 384
Delta R.T. 0.013 min
Lab File: VN068150.D
Acq: 17 Aug 2021 18:07

Tgt Ion: 64 Resp: 56
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



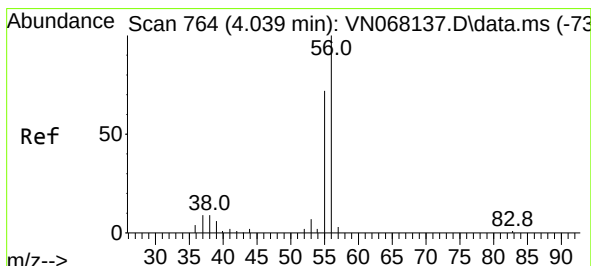
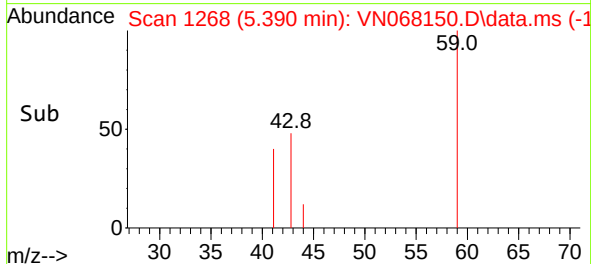
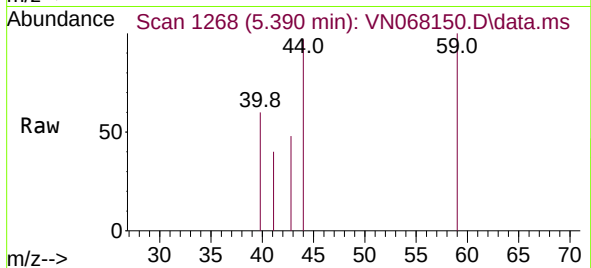


#11

Tert butyl alcohol
Concen: 0.412 ug/l
RT: 5.390 min Scan# 1268
Delta R.T. 0.000 min
Lab File: VN068150.D
Acq: 17 Aug 2021 18:07

Instrument :
MSVOA_N
ClientSampled :
41942

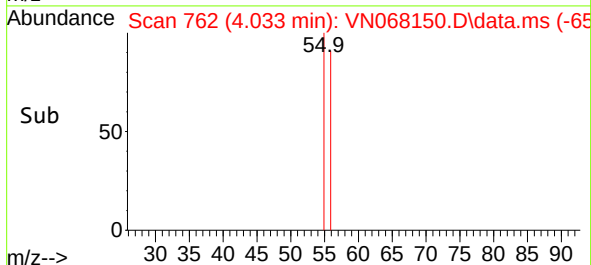
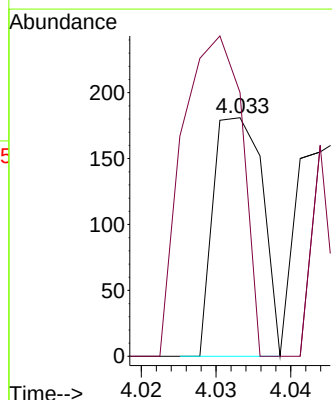
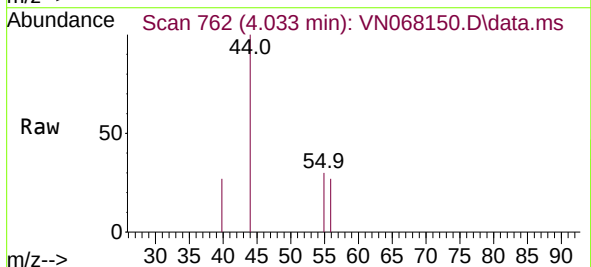
Tgt Ion: 59 Resp: 217
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

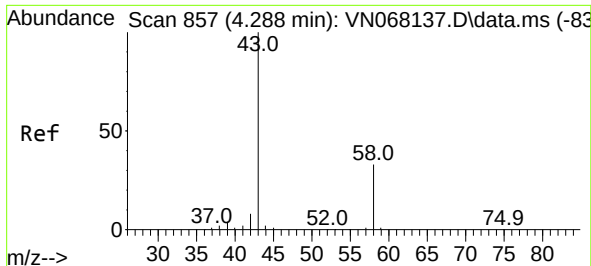


#13

Acrolein
Concen: Below Cal
RT: 4.033 min Scan# 762
Delta R.T. -0.006 min
Lab File: VN068150.D
Acq: 17 Aug 2021 18:07

Tgt Ion: 56 Resp: 82
Ion Ratio Lower Upper
56 100
55 164.6 57.4 86.0#

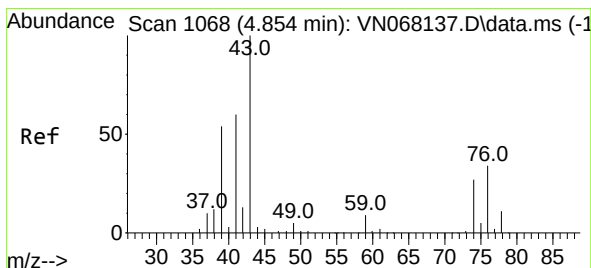
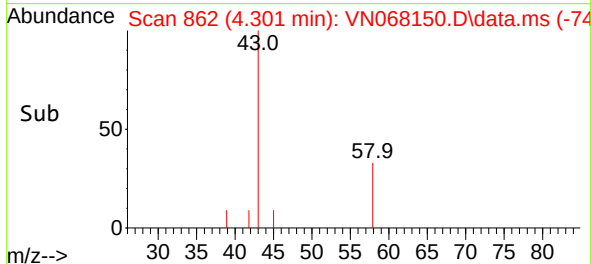
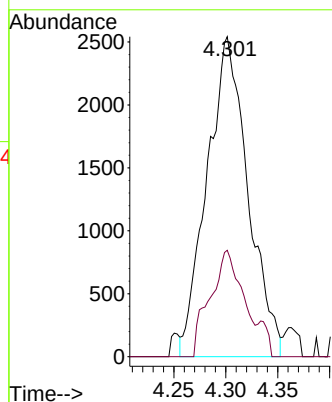
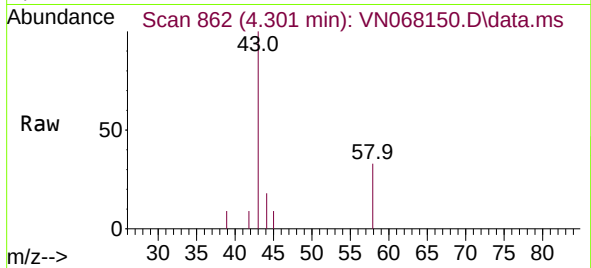




#16
Acetone
Concen: 5.657 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.013 min
Lab File: VN068150.D
Acq: 17 Aug 2021 18:07

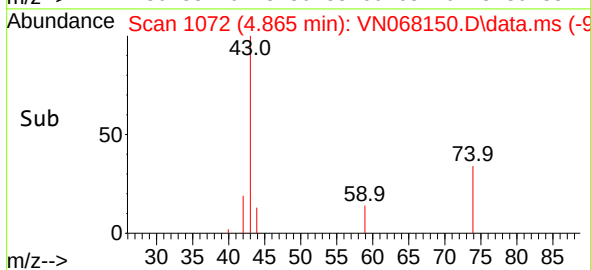
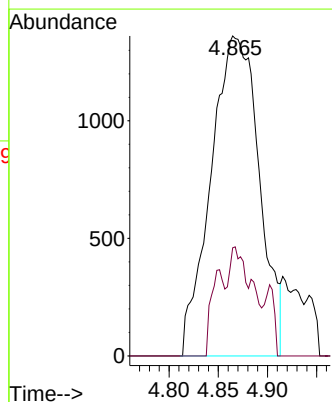
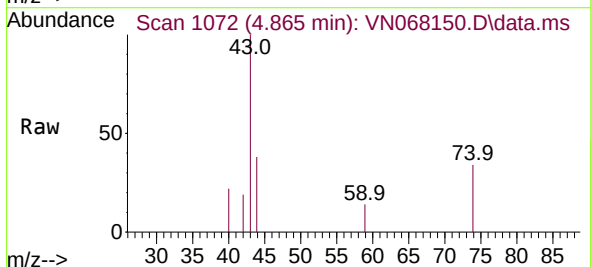
Instrument :
MSVOA_N
ClientSampled :
41942

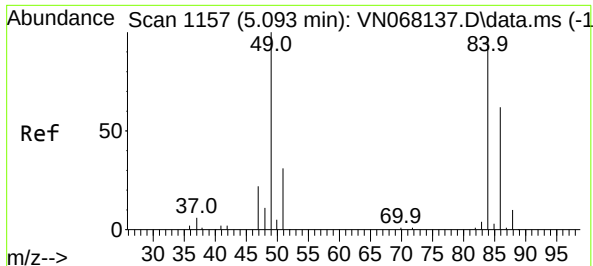
Tgt Ion: 43 Resp: 6973
Ion Ratio Lower Upper
43 100
58 35.4 21.2 31.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.865 min Scan# 1072
Delta R.T. 0.011 min
Lab File: VN068150.D
Acq: 17 Aug 2021 18:07

Tgt Ion: 43 Resp: 4664
Ion Ratio Lower Upper
43 100
74 5.3 17.4 26.0#

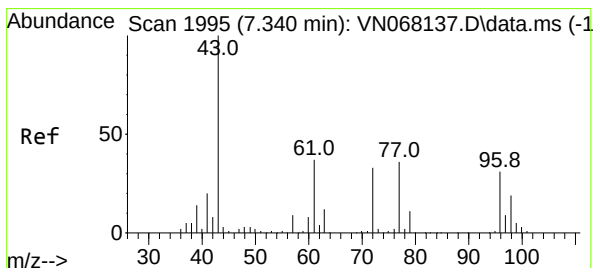
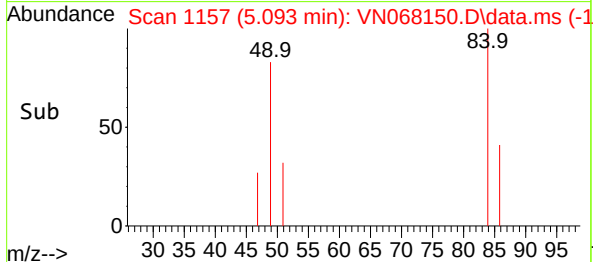
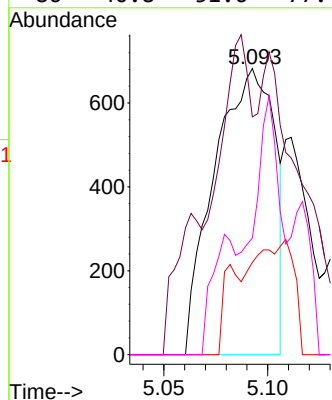
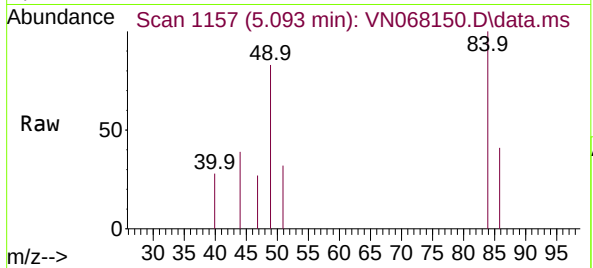




#20
Methylene Chloride
Concen: Below Cal
RT: 5.093 min Scan# 1157
Delta R.T. -0.000 min
Lab File: VN068150.D
Acq: 17 Aug 2021 18:07

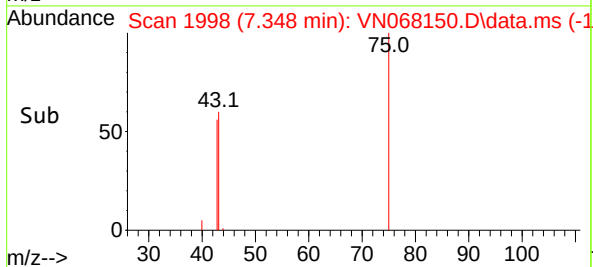
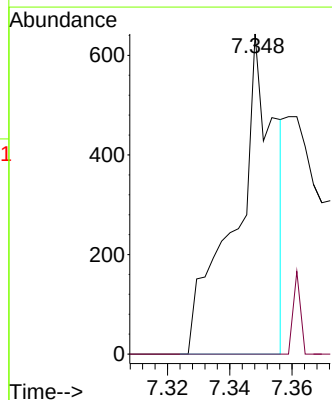
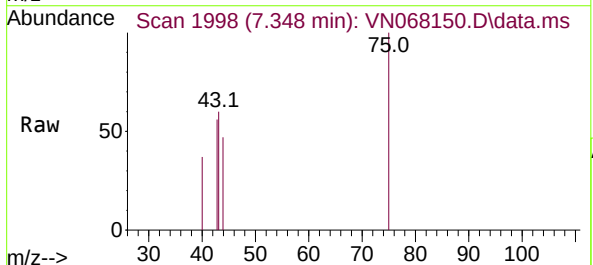
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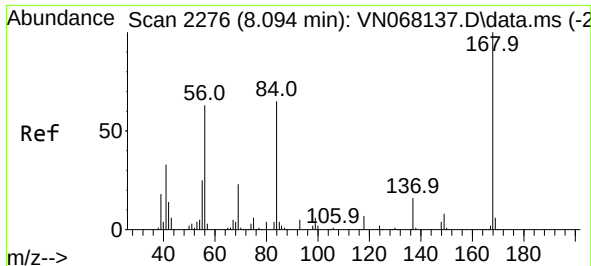
Tgt Ion:	84	Resp:	1376
Ion	Ratio	Lower	Upper
84	100		
49	49.0	110.9	166.3#
51	32.3	32.6	49.0#
86	40.8	51.6	77.4#



#25
2-Butanone
Concen: 0.295 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.008 min
Lab File: VN068150.D
Acq: 17 Aug 2021 18:07

Tgt Ion:	43	Resp:	567
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.7	29.5#

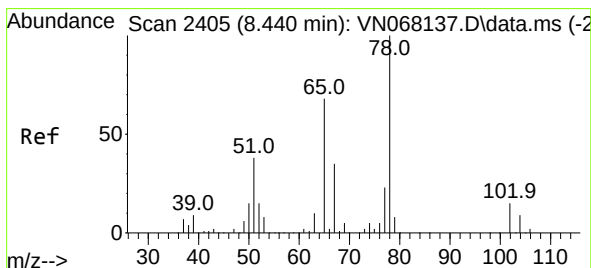
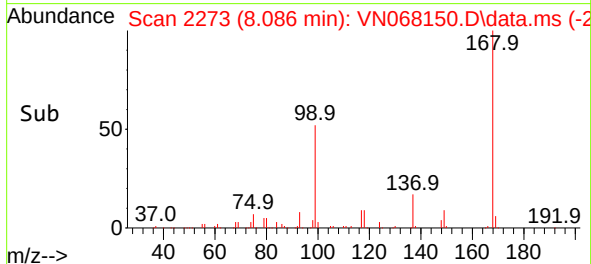
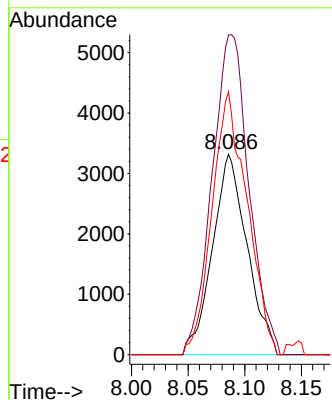
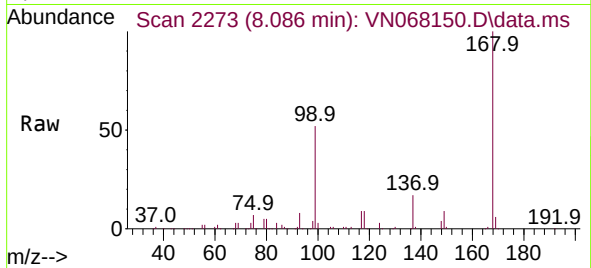




#31
Cyclohexane
Concen: 1.266 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN068150.D
Acq: 17 Aug 2021 18:07

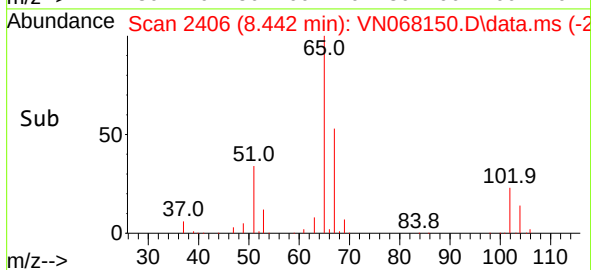
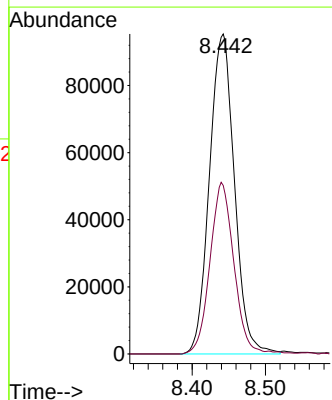
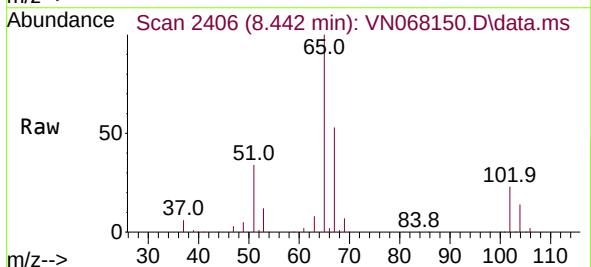
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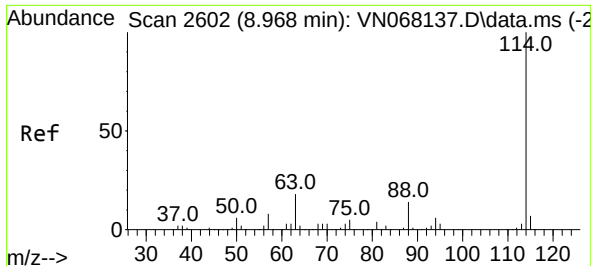
Tgt Ion: 56 Resp: 7038
Ion Ratio Lower Upper
56 100
69 159.5 27.3 40.9#
84 131.2 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 53.562 ug/l
RT: 8.442 min Scan# 2406
Delta R.T. 0.002 min
Lab File: VN068150.D
Acq: 17 Aug 2021 18:07

Tgt Ion: 65 Resp: 226129
Ion Ratio Lower Upper
65 100
67 50.8 0.0 98.6

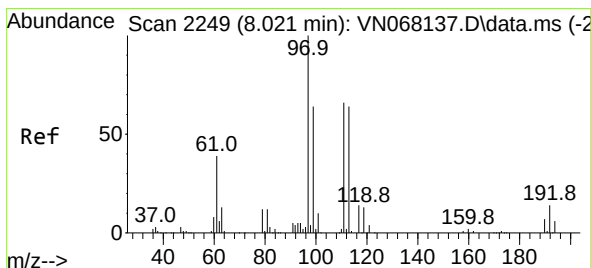
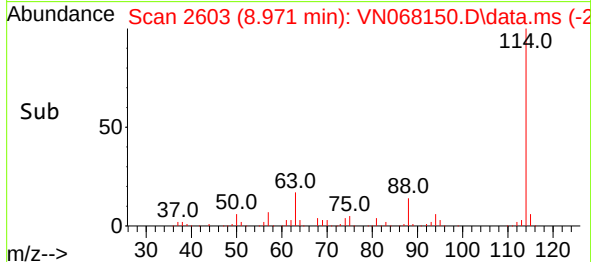
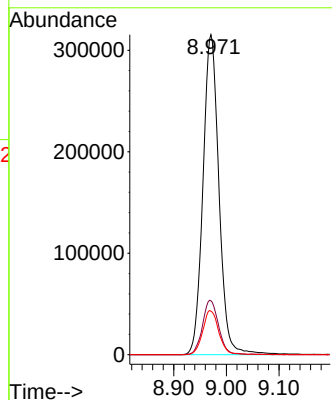
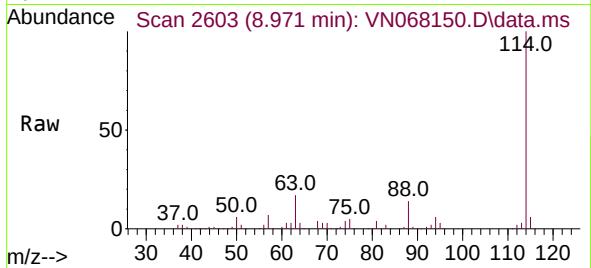




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068150.D
Acq: 17 Aug 2021 18:07

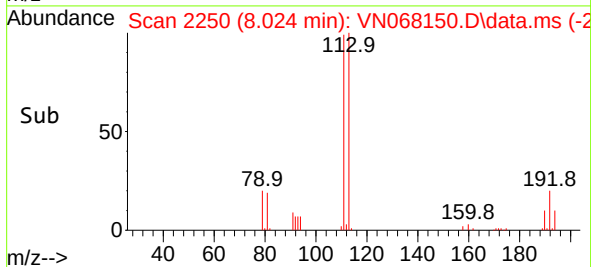
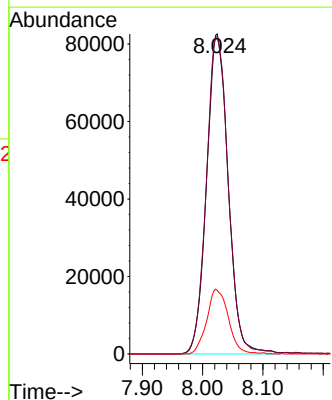
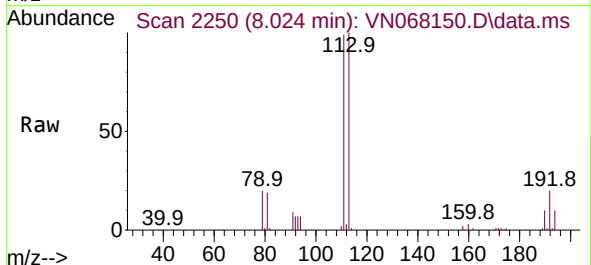
Instrument :
MSVOA_N
ClientSampled :
41942

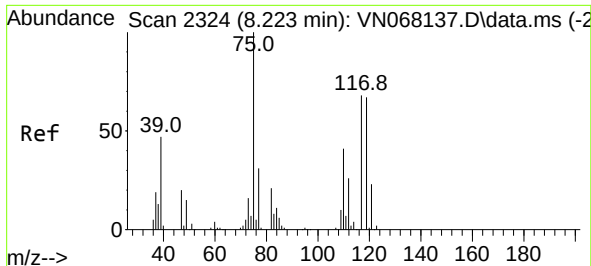
Tgt Ion:114 Resp: 665304
Ion Ratio Lower Upper
114 100
63 16.9 0.0 49.0
88 13.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.223 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068150.D
Acq: 17 Aug 2021 18:07

Tgt Ion:113 Resp: 205604
Ion Ratio Lower Upper
113 100
111 100.9 83.8 125.8
192 20.2 13.4 20.0#

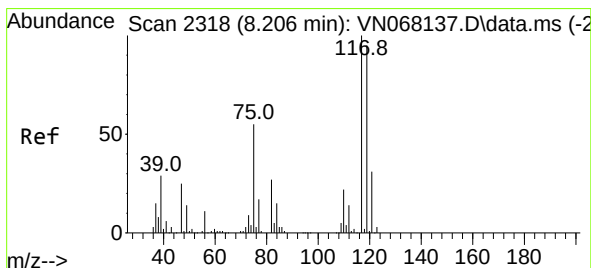
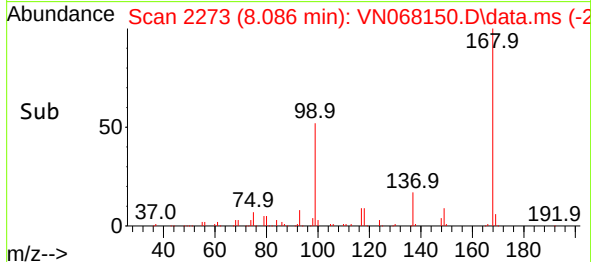
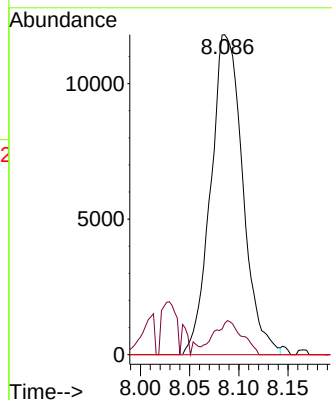
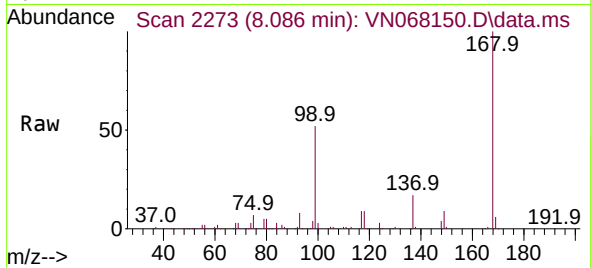




#36
1,1-Dichloropropene
Concen: 4.921 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068150.D
Acq: 17 Aug 2021 18:07

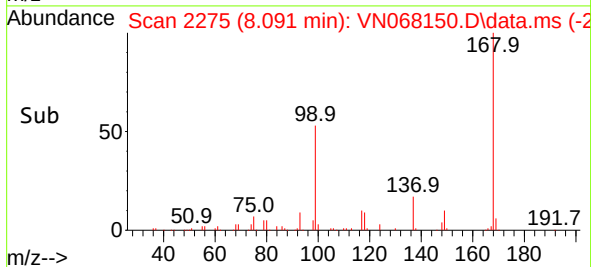
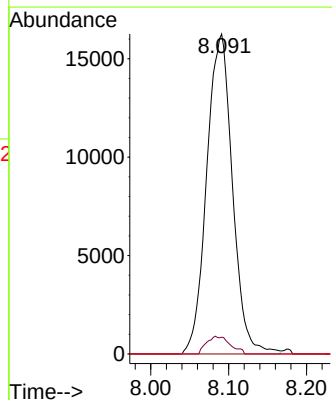
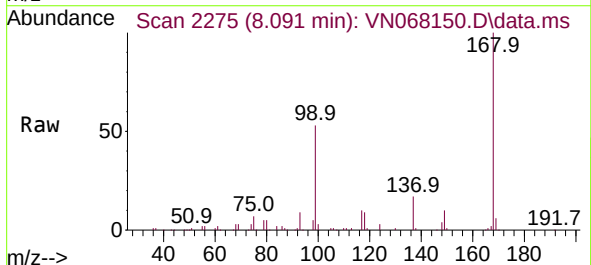
Instrument :
MSVOA_N
ClientSampled :
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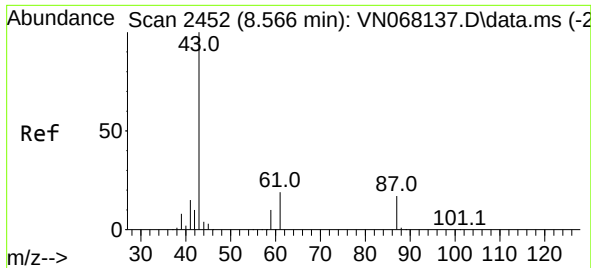
Tgt Ion: 75 Resp: 26765
Ion Ratio Lower Upper
75 100
110 9.3 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.959 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.115 min
Lab File: VN068150.D
Acq: 17 Aug 2021 18:07

Tgt Ion: 117 Resp: 37379
Ion Ratio Lower Upper
117 100
119 5.3 75.4 113.2#
121 0.0 23.5 35.3#

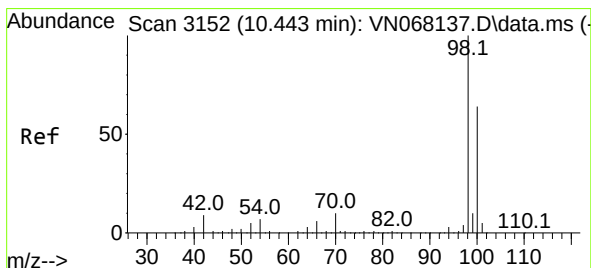
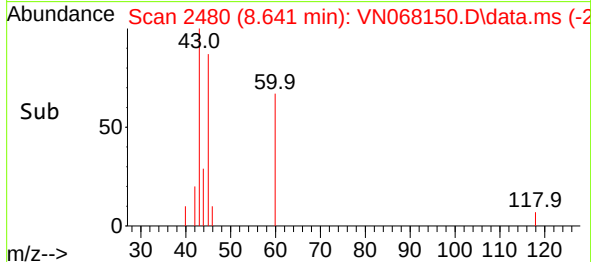
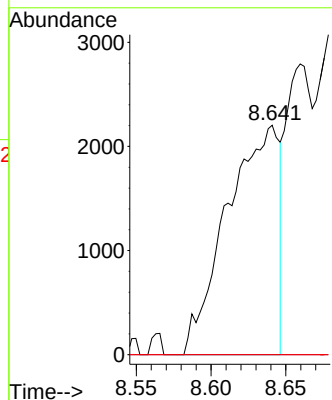
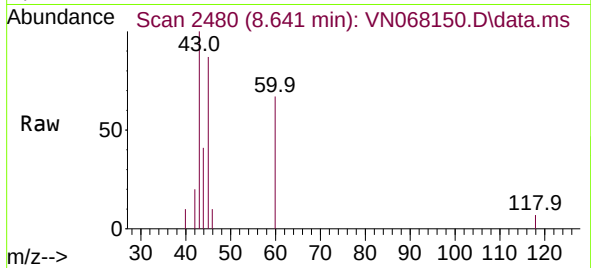




#43
Isopropyl Acetate
Concen: 0.720 ug/l
RT: 8.641 min Scan# 2480
Delta R.T. 0.075 min
Lab File: VN068150.D
Acq: 17 Aug 2021 18:07

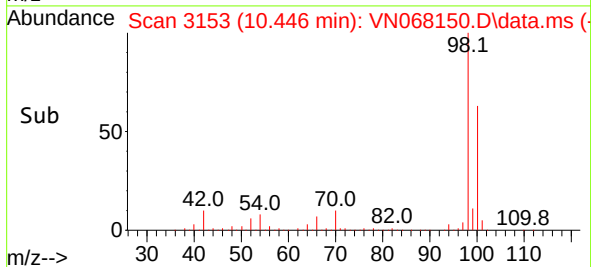
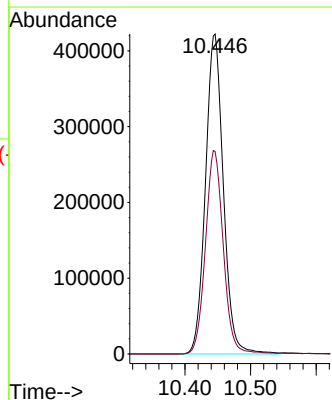
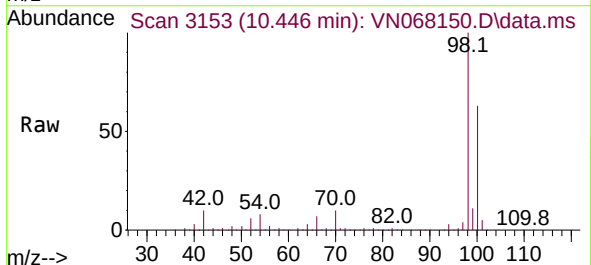
Instrument :
MSVOA_N
ClientSampled :
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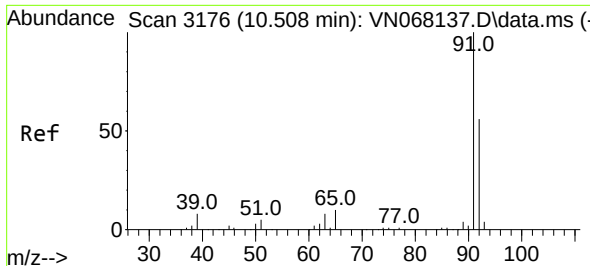
Tgt Ion: 43 Resp: 5340
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#



#50
Toluene-d8
Concen: 50.212 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068150.D
Acq: 17 Aug 2021 18:07

Tgt Ion: 98 Resp: 799153
Ion Ratio Lower Upper
98 100
100 63.4 51.7 77.5

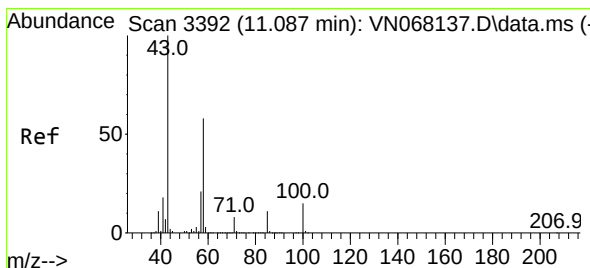
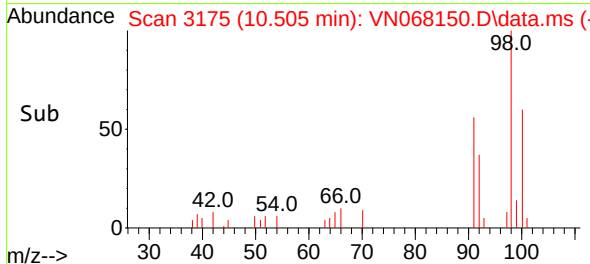
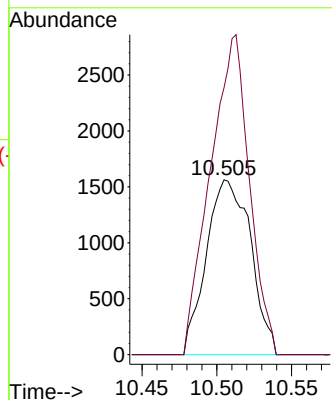
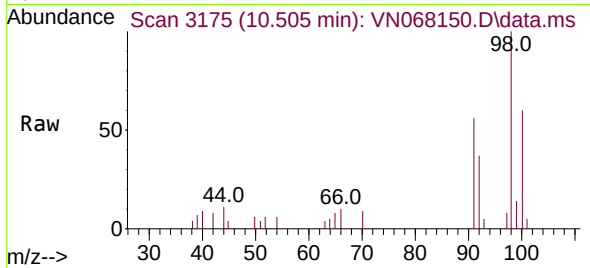




#52
Toluene
Concen: 0.285 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.003 min
Lab File: VN068150.D
Acq: 17 Aug 2021 18:07

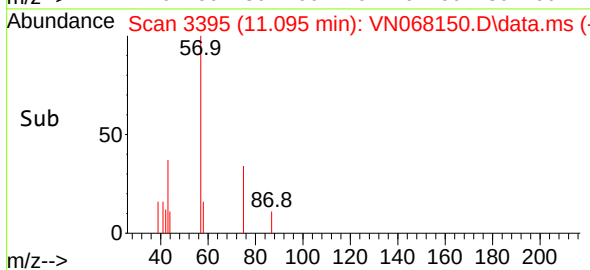
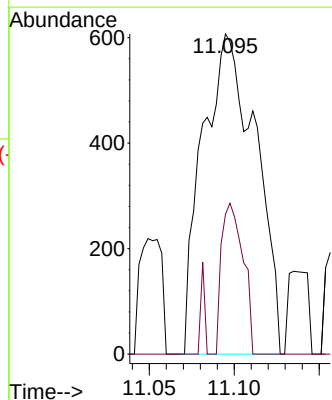
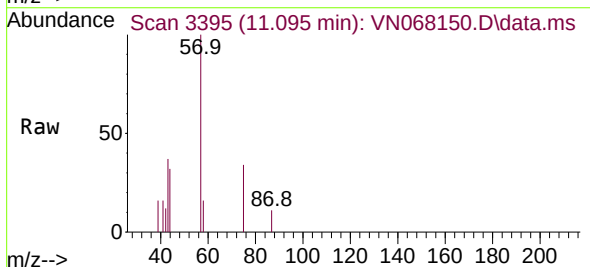
Instrument :
MSVOA_N
ClientSampled :
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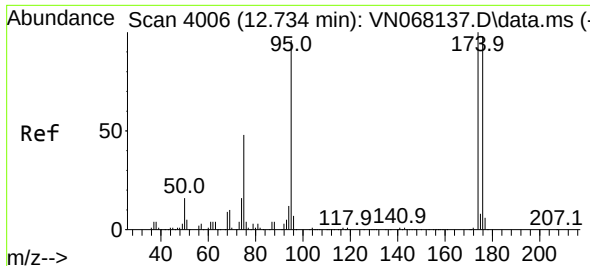
Tgt Ion: 92 Resp: 3220
Ion Ratio Lower Upper
92 100
91 161.6 139.6 209.4



#59
2-Hexanone
Concen: 0.417 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068150.D
Acq: 17 Aug 2021 18:07

Tgt Ion: 43 Resp: 1320
Ion Ratio Lower Upper
43 100
58 19.2 24.7 74.1#

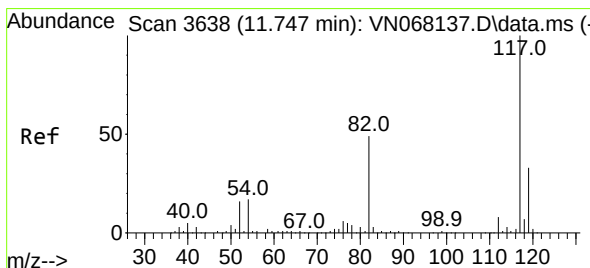
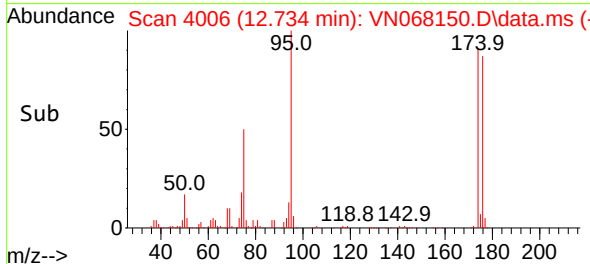
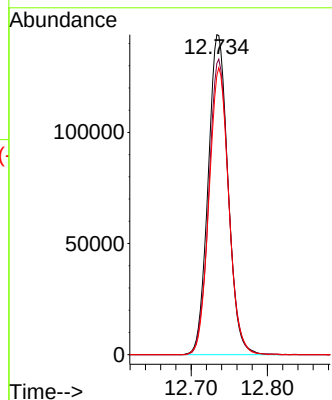
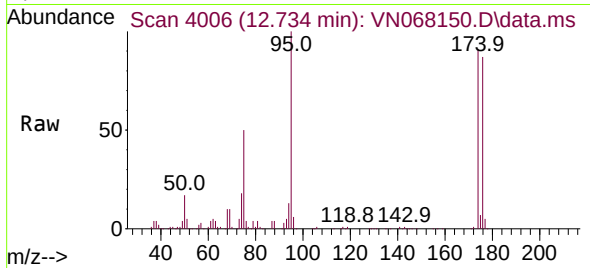




#62
4-Bromofluorobenzene
Concen: 49.242 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068150.D
Acq: 17 Aug 2021 18:07

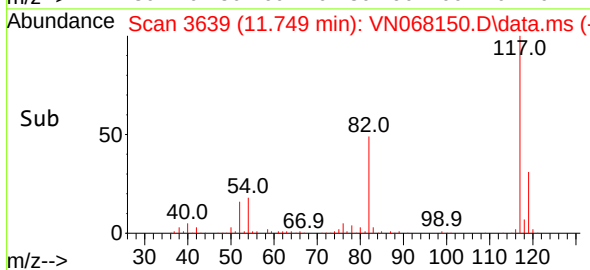
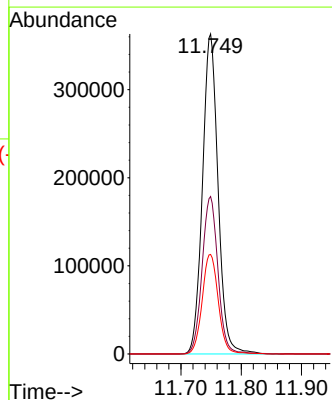
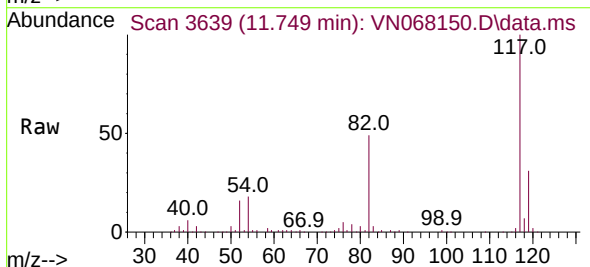
Instrument :
MSVOA_N
ClientSampleId :
41942

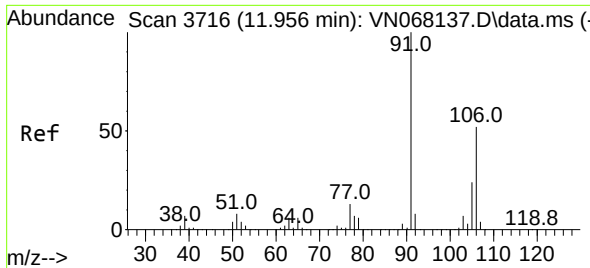
Tgt Ion: 95 Resp: 260898
Ion Ratio Lower Upper
95 100
174 92.0 0.0 122.0
176 88.8 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068150.D
Acq: 17 Aug 2021 18:07

Tgt Ion: 117 Resp: 652763
Ion Ratio Lower Upper
117 100
82 49.2 53.1 79.7#
119 31.1 25.5 38.3

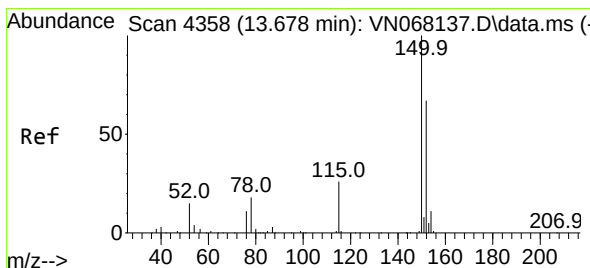
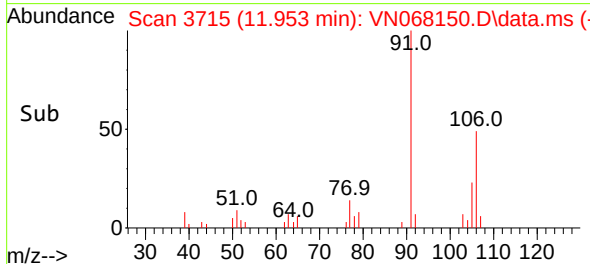
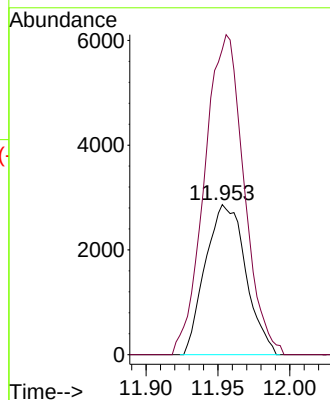
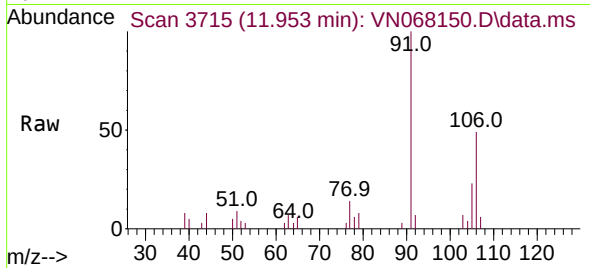




#68
m/p-Xylenes
Concen: 0.636 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. -0.003 min
Lab File: VN068150.D
Acq: 17 Aug 2021 18:07

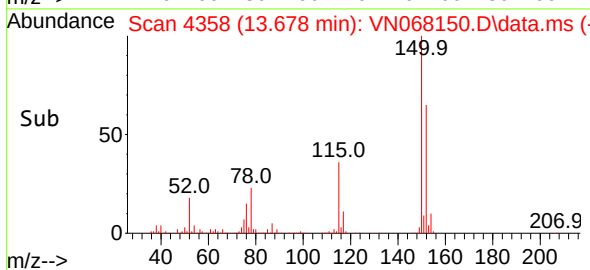
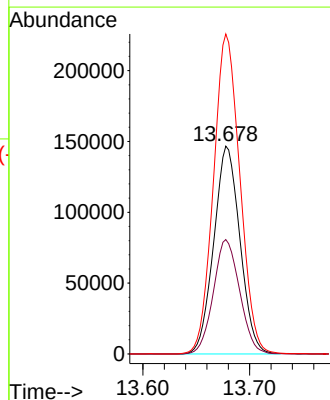
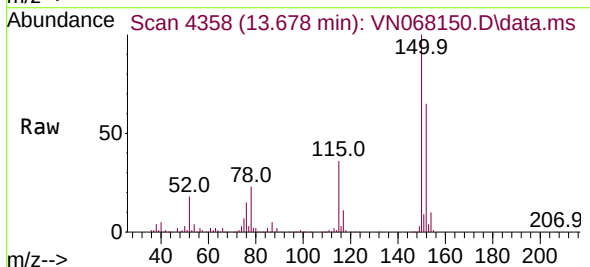
Instrument :
MSVOA_N
ClientSampleId :
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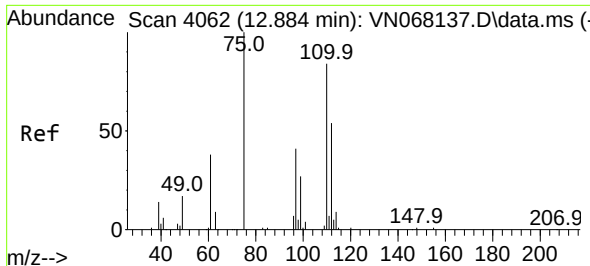
Tgt Ion:106 Resp: 5605
Ion Ratio Lower Upper
106 100
91 207.8 180.6 270.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068150.D
Acq: 17 Aug 2021 18:07

Tgt Ion:152 Resp: 249897
Ion Ratio Lower Upper
152 100
115 55.2 36.1 108.5
150 155.5 0.0 351.8

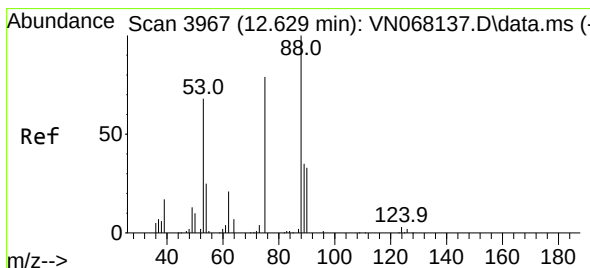
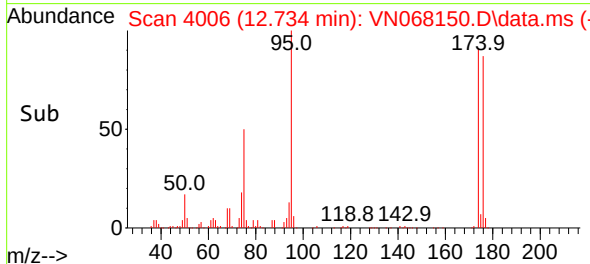
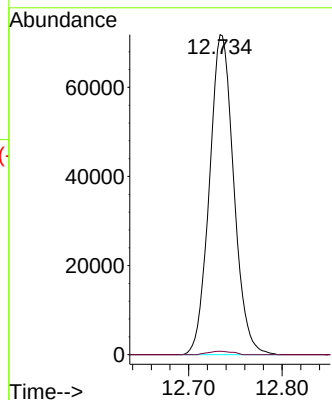
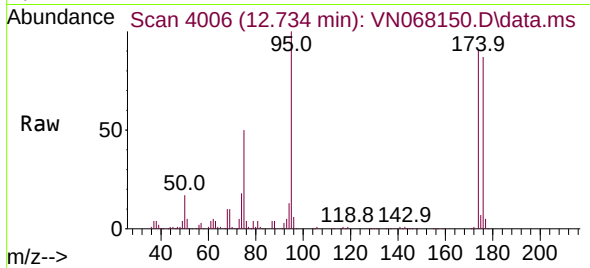




#76
1,2,3-Trichloropropane
Concen: 31.331 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN068150.D
Acq: 17 Aug 2021 18:07

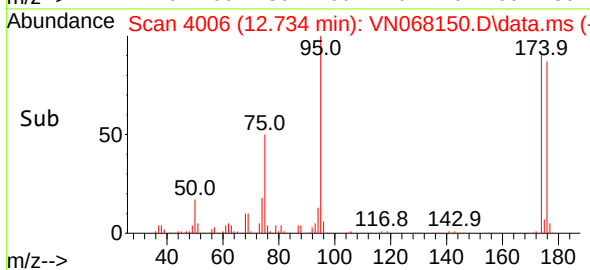
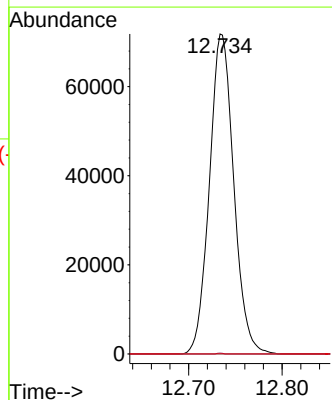
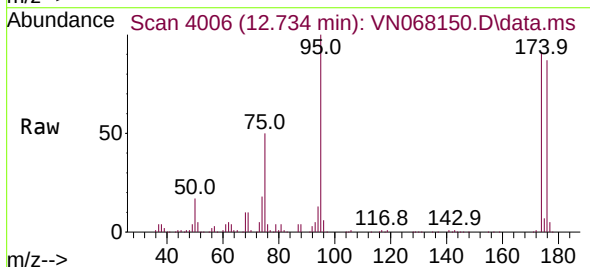
Instrument :
MSVOA_N
ClientSampled :
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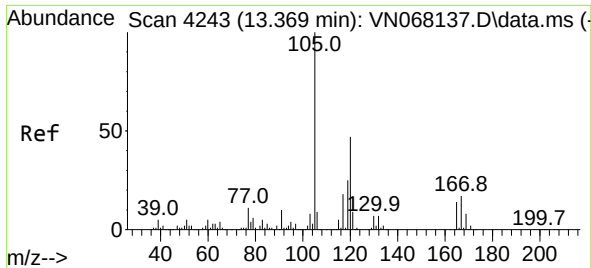
Tgt Ion: 75 Resp: 130135
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.646 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068150.D
Acq: 17 Aug 2021 18:07

Tgt Ion: 75 Resp: 130135
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#

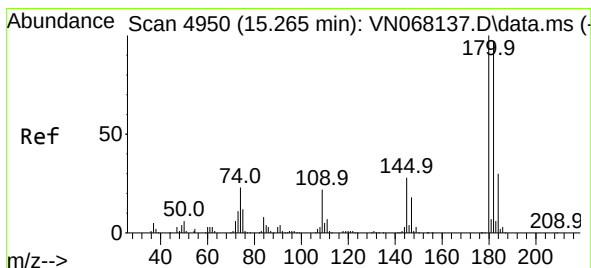
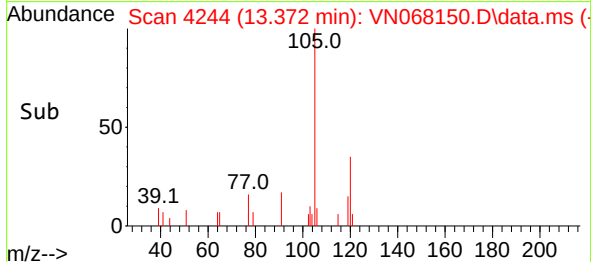
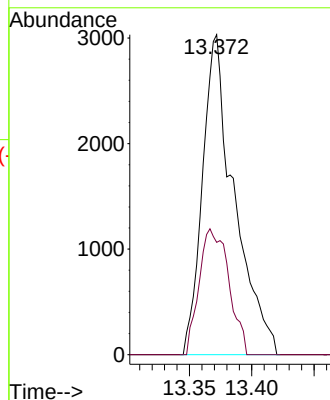
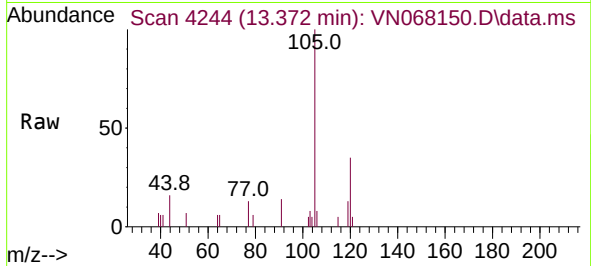




#84
1,2,4-Trimethylbenzene
Concen: 0.382 ug/l
RT: 13.372 min Scan# 4244
Delta R.T. 0.003 min
Lab File: VN068150.D
Acq: 17 Aug 2021 18:07

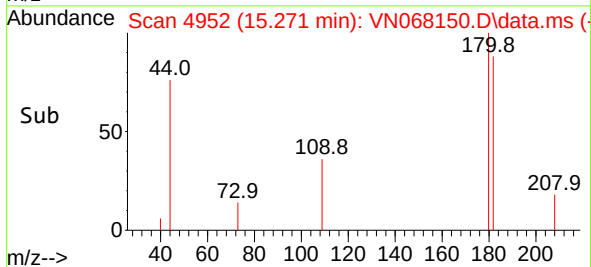
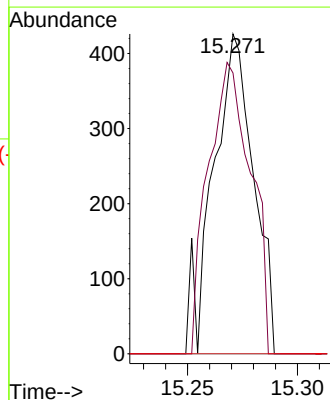
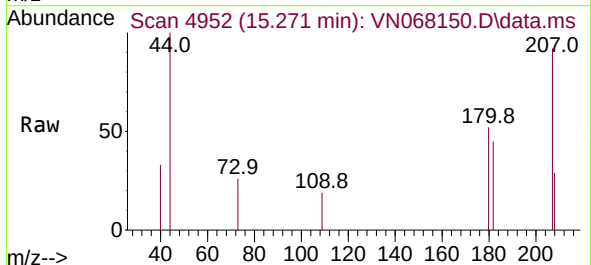
Instrument :
MSVOA_N
ClientSampled :
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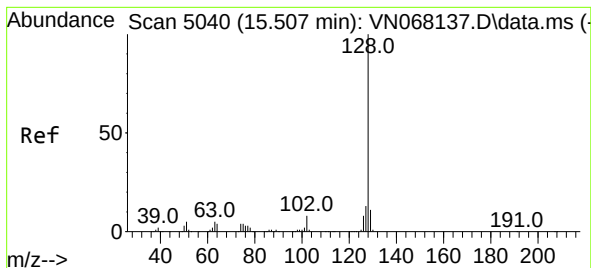
Tgt Ion:105 Resp: 5368
Ion Ratio Lower Upper
105 100
120 36.7 20.6 61.8



#93
1,2,4-Trichlorobenzene
Concen: 2.808 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN068150.D
Acq: 17 Aug 2021 18:07

Tgt Ion:180 Resp: 544
Ion Ratio Lower Upper
180 100
182 96.5 47.5 142.5
145 0.0 17.2 51.6#

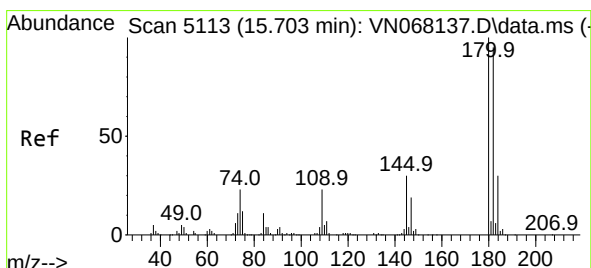
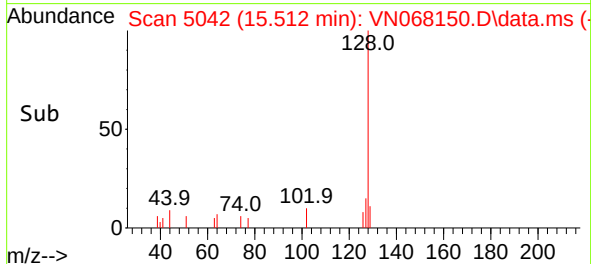
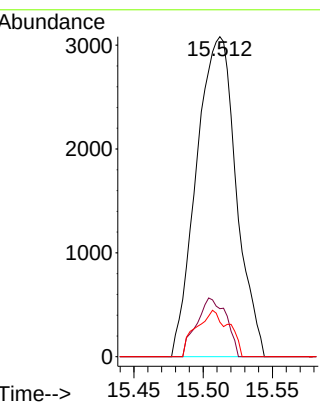
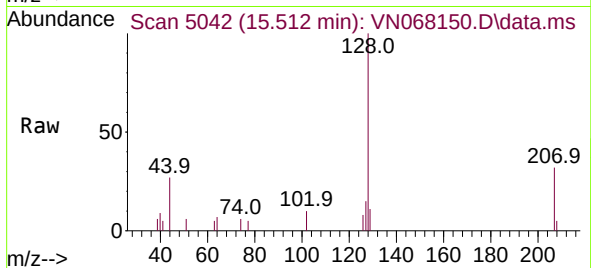




#95
Naphthalene
Concen: 3.929 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068150.D
Acq: 17 Aug 2021 18:07

Instrument :
MSVOA_N
ClientSampled :
41942

Tgt Ion:128	Resp:	6150
Ion Ratio	Lower	Upper
128	100	
127	13.7	10.6 15.8
129	11.9	8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 2.961 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.002 min
Lab File: VN068150.D
Acq: 17 Aug 2021 18:07

Tgt Ion:180	Resp:	546
Ion Ratio	Lower	Upper
180	100	
182	94.5	47.8 143.3
145	9.3	18.2 54.6#

