

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081721\
 Data File : VN068148.D
 Acq On : 17 Aug 2021 17:18
 Operator : JC/MD
 Sample : M3361-07 20X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 41907

Quant Time: Aug 18 07:20:21 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)

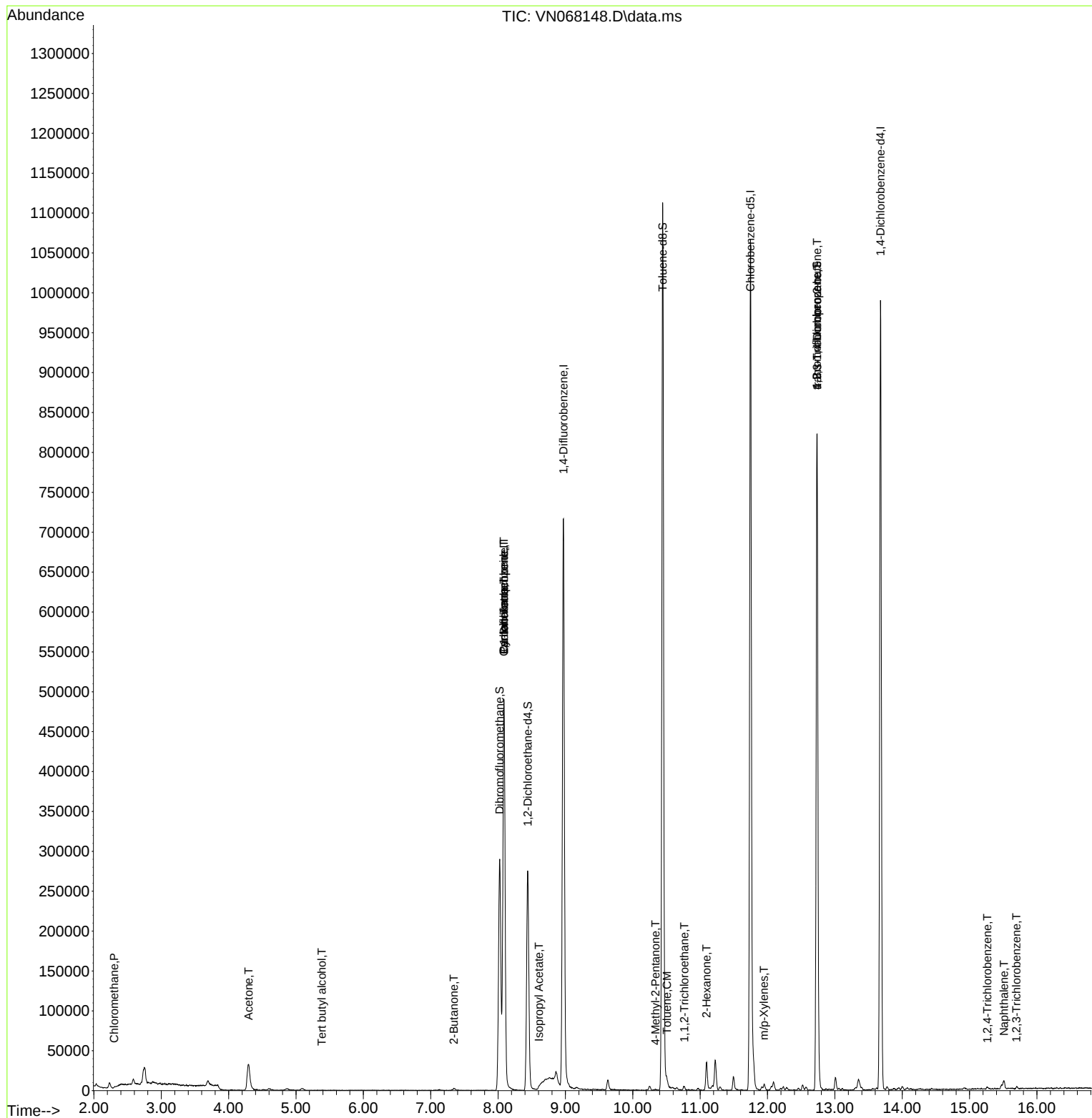
Internal Standards						
1) Pentafluorobenzene	8.086	168	408516	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	688367	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	686841	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	293425	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	232033	53.196	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 106.400%			
35) Dibromofluoromethane	8.024	113	210436	48.692	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 97.380%			
50) Toluene-d8	10.443	98	813809	49.419	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 98.840%			
62) 4-Bromofluorobenzene	12.733	95	284385	51.877	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 103.760%			
Target Compounds			Qvalue			
3) Chloromethane	2.301	50	733	0.200	ug/l	# 43
5) Bromomethane	2.850	94	238	Below Cal	#	5
6) Chloroethane	2.888	64	24	Below Cal	#	44
11) Tert butyl alcohol	5.382	59	210	0.386	ug/l	# 71
13) Acrolein	4.041	56	232	Below Cal	#	40
16) Acetone	4.296	43	61929	48.628	ug/l	91
18) Methyl Acetate	4.846	43	1208	Below Cal	#	54
20) Methylene Chloride	5.079	84	546	Below Cal	#	43
25) 2-Butanone	7.343	43	1486	0.749	ug/l	100
31) Cyclohexane	8.086	56	7408	1.289	ug/l	# 1
36) 1,1-Dichloropropene	8.086	75	26791	4.761	ug/l	# 53
38) Carbon Tetrachloride	8.088	117	38653	5.956	ug/l	# 16
43) Isopropyl Acetate	8.609	43	2088	0.272	ug/l	# 58
51) 4-Methyl-2-Pentanone	10.336	43	1421	0.301	ug/l	# 39
52) Toluene	10.507	92	2343	0.200	ug/l	100
55) 1,1,2-Trichloroethane	10.765	97	4137	0.884	ug/l	# 19
59) 2-Hexanone	11.095	43	6069	1.853	ug/l	67
68) m/p-Xylenes	11.948	106	2879	0.310	ug/l	75
76) 1,2,3-Trichloropropane	12.736	75	144752	29.680	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.736	75	144752	97.238	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.265	180	1015	2.881	ug/l	# 77
95) Naphthalene	15.509	128	11361	4.265	ug/l	# 90
96) 1,2,3-Trichlorobenzene	15.697	180	1214	3.078	ug/l	# 89

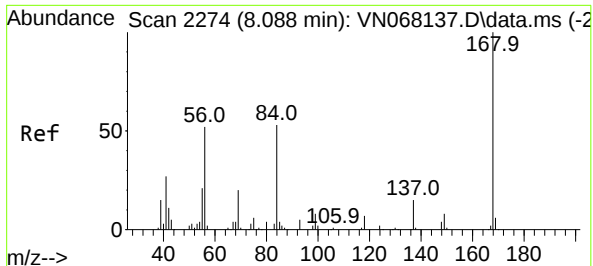
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
41907

Quant Time: Aug 18 07:20:21 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

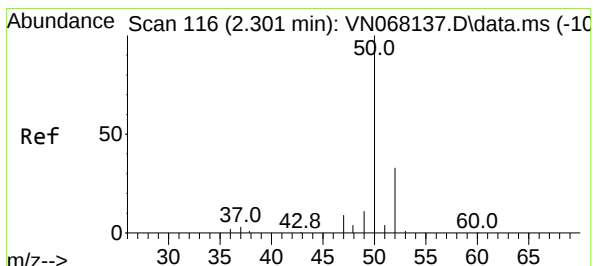
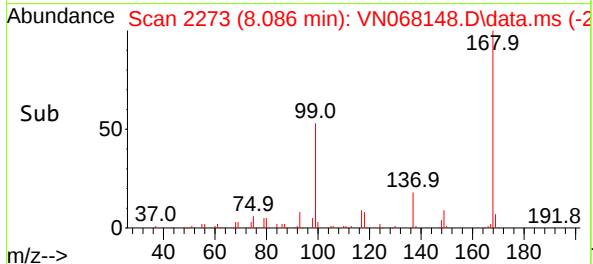
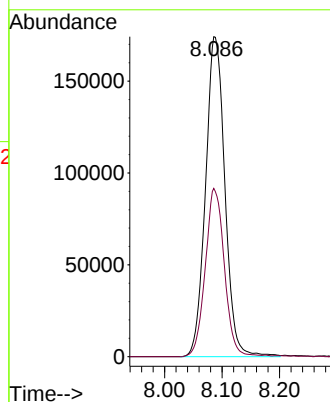
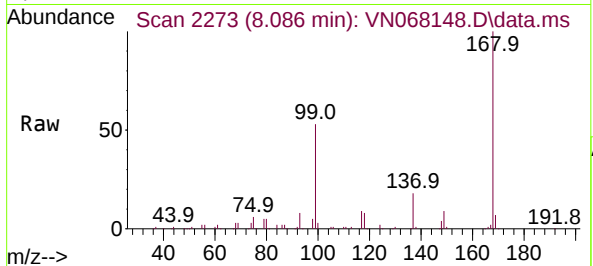




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.002 min
Lab File: VN068148.D
Acq: 17 Aug 2021 17:18

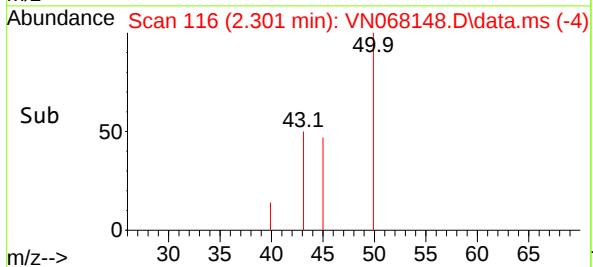
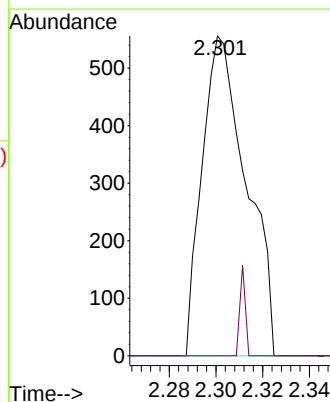
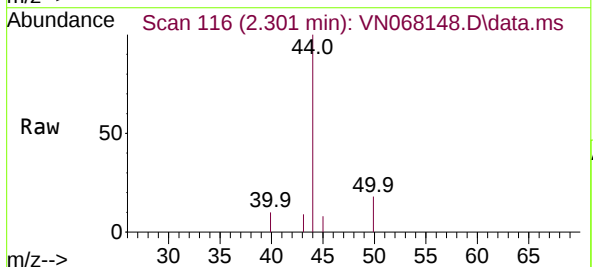
Instrument :
MSVOA_N
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41907

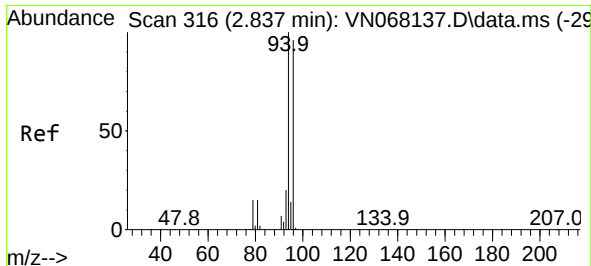
Tgt Ion:168 Resp: 408516
Ion Ratio Lower Upper
168 100
99 52.6 62.9 94.3#



#3
Chloromethane
Concen: 0.200 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.000 min
Lab File: VN068148.D
Acq: 17 Aug 2021 17:18

Tgt Ion: 50 Resp: 733
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#

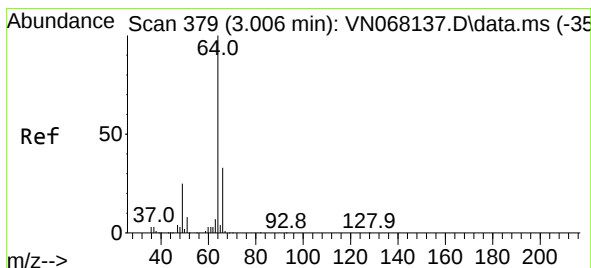
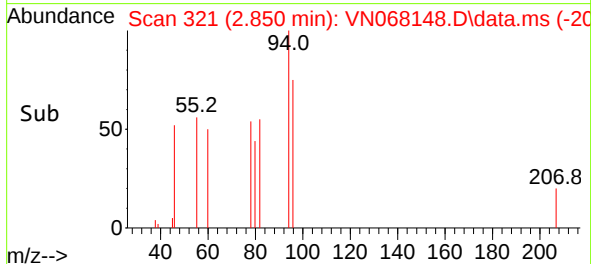
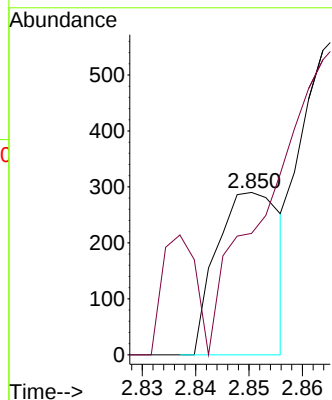
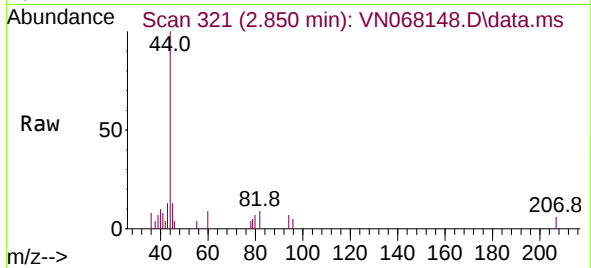




#5
Bromomethane
Concen: Below Cal
RT: 2.850 min Scan# 321
Delta R.T. 0.013 min
Lab File: VN068148.D
Acq: 17 Aug 2021 17:18

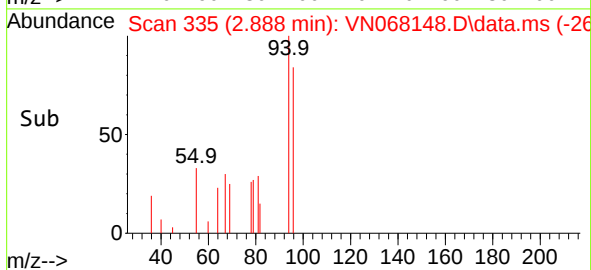
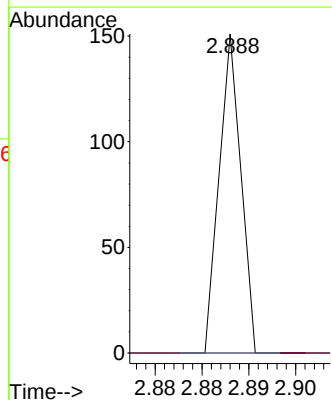
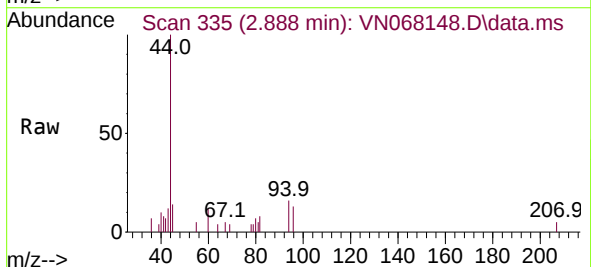
Instrument :
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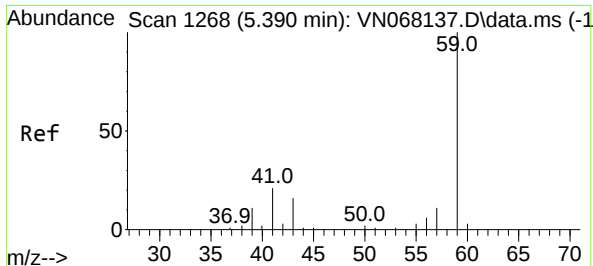
Tgt Ion: 94 Resp: 238
Ion Ratio Lower Upper
94 100
96 1.0 73.7 110.5#



#6
Chloroethane
Concen: Below Cal
RT: 2.888 min Scan# 335
Delta R.T. -0.118 min
Lab File: VN068148.D
Acq: 17 Aug 2021 17:18

Tgt Ion: 64 Resp: 24
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



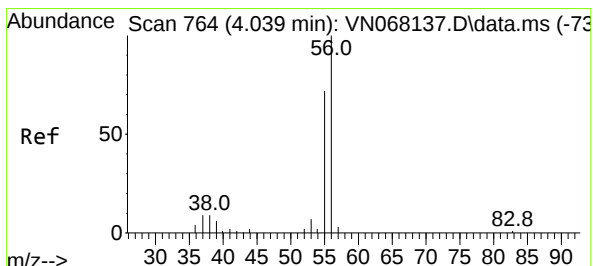
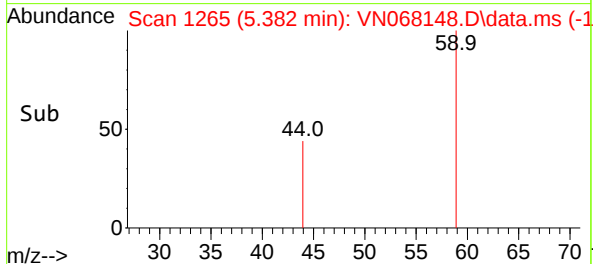
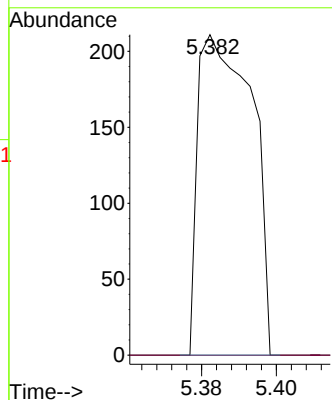
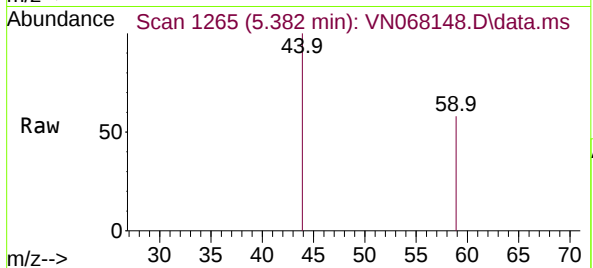


#11

Tert butyl alcohol
Concen: 0.386 ug/l
RT: 5.382 min Scan# 1265
Delta R.T. -0.008 min
Lab File: VN068148.D
Acq: 17 Aug 2021 17:18

Instrument :
MSVOA_N
ClientSampled :
41907

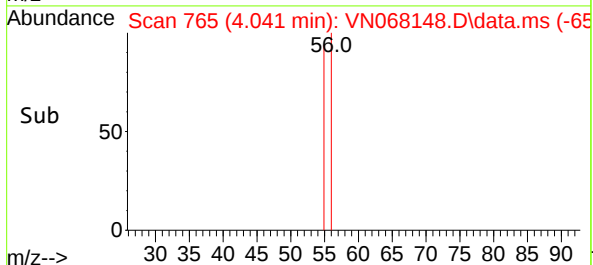
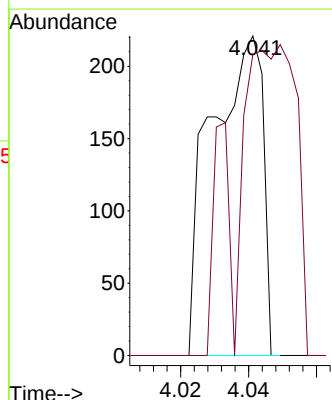
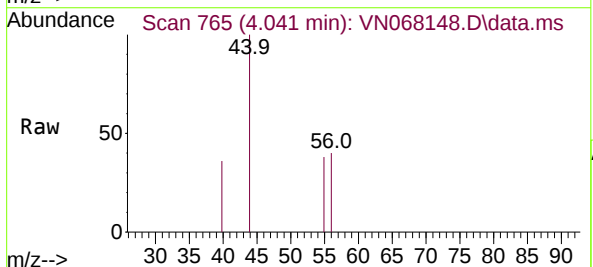
Tgt Ion: 59 Resp: 210
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

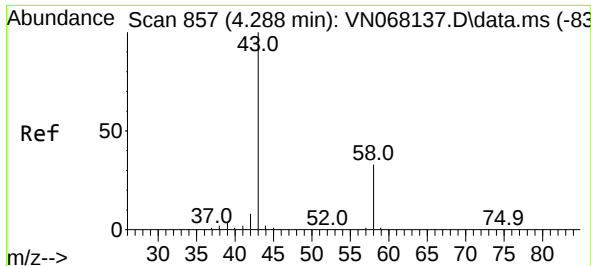


#13

Acrolein
Concen: Below Cal
RT: 4.041 min Scan# 765
Delta R.T. 0.002 min
Lab File: VN068148.D
Acq: 17 Aug 2021 17:18

Tgt Ion: 56 Resp: 232
Ion Ratio Lower Upper
56 100
55 22.0 57.4 86.0#

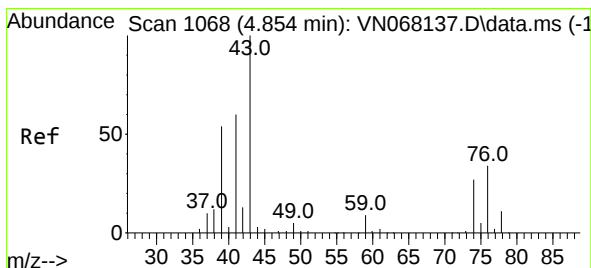
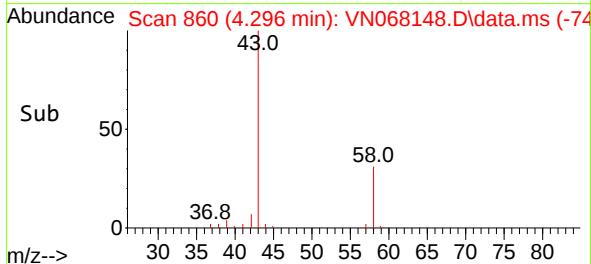
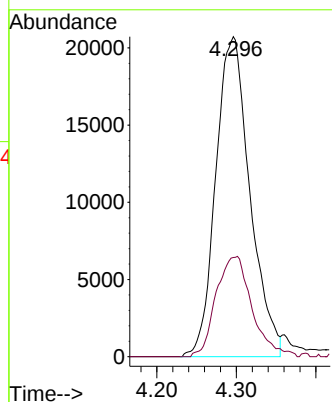
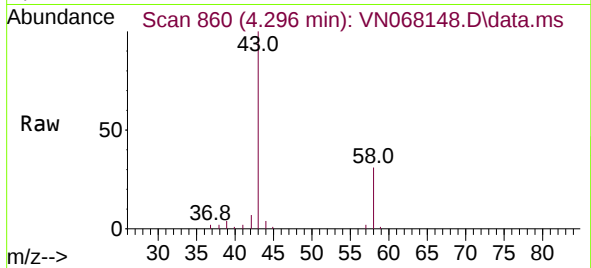




#16
Acetone
Concen: 48.628 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN068148.D
Acq: 17 Aug 2021 17:18

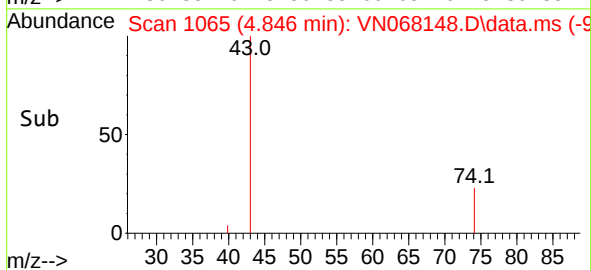
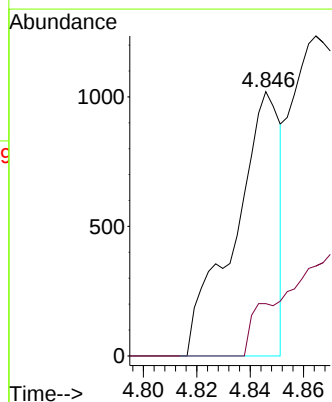
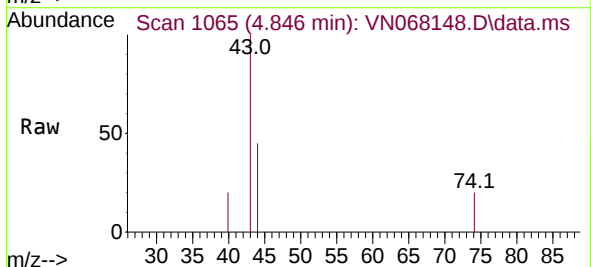
Instrument :
MSVOA_N
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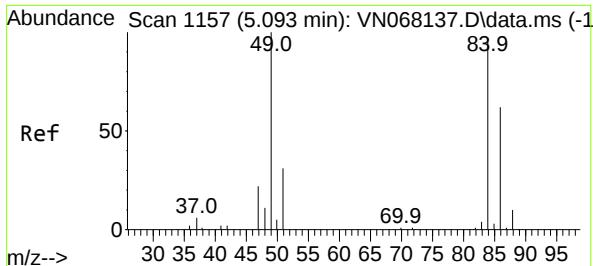
Tgt Ion: 43 Resp: 61929
Ion Ratio Lower Upper
43 100
58 31.0 21.2 31.8



#18
Methyl Acetate
Concen: Below Cal
RT: 4.846 min Scan# 1065
Delta R.T. -0.008 min
Lab File: VN068148.D
Acq: 17 Aug 2021 17:18

Tgt Ion: 43 Resp: 1208
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#





#20

Methylene Chloride

Concen: Below Cal

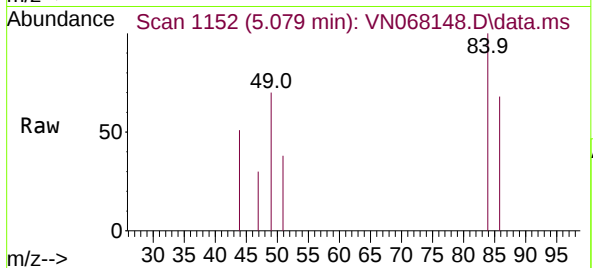
RT: 5.079 min Scan# 1152

Delta R.T. -0.014 min

Lab File: VN068148.D

Acq: 17 Aug 2021 17:18

Instrument :
MSVOA_N
ClientSampled :
41907



Tgt Ion: 84 Resp: 546

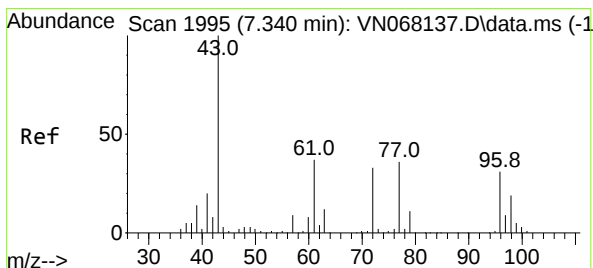
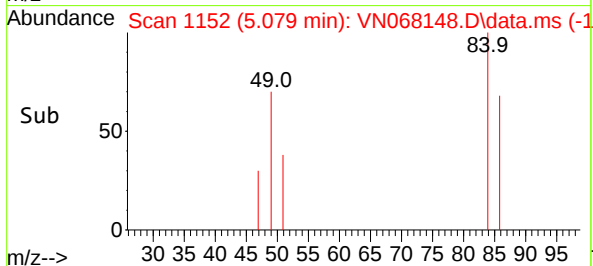
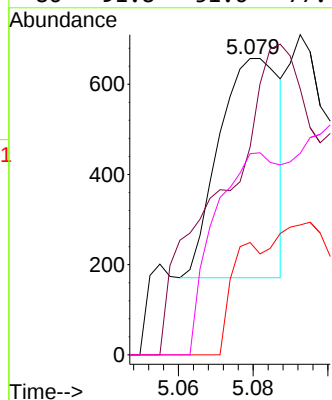
Ion Ratio Lower Upper

84 100

49 42.6 110.9 166.3#

51 51.2 32.6 49.0#

86 91.8 51.6 77.4#



#25

2-Butanone

Concen: 0.749 ug/l

RT: 7.343 min Scan# 1996

Delta R.T. 0.003 min

Lab File: VN068148.D

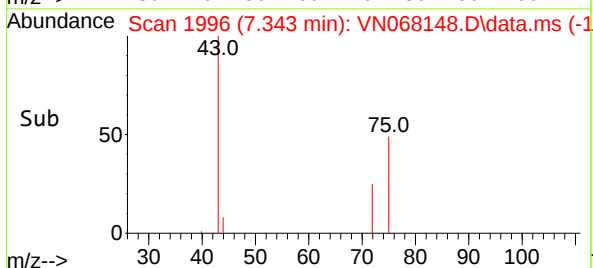
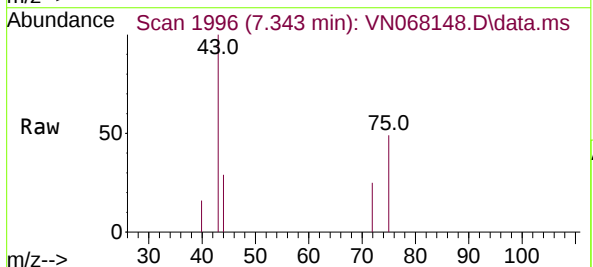
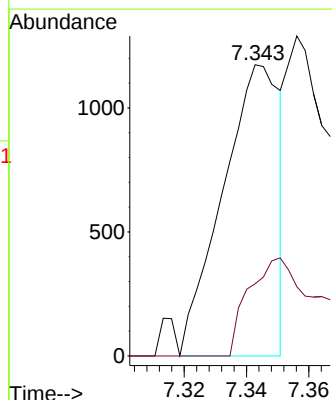
Acq: 17 Aug 2021 17:18

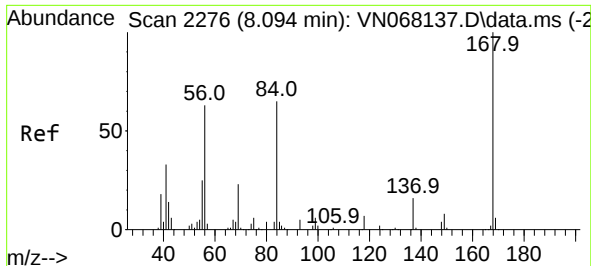
Tgt Ion: 43 Resp: 1486

Ion Ratio Lower Upper

43 100

72 24.8 19.7 29.5

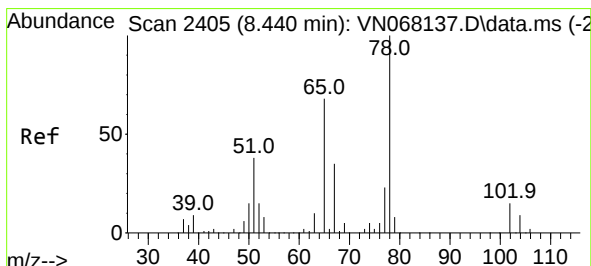
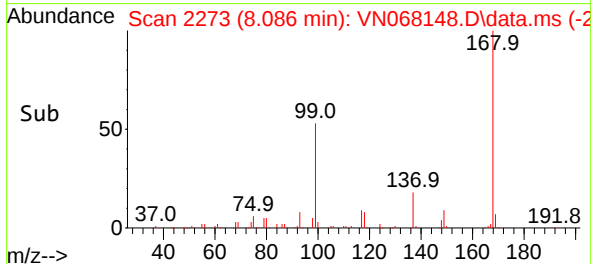
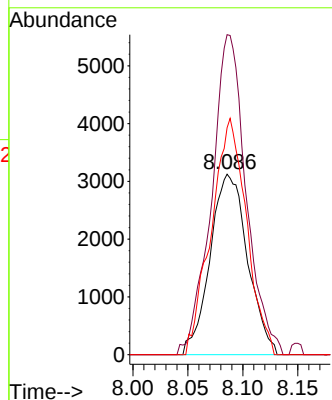
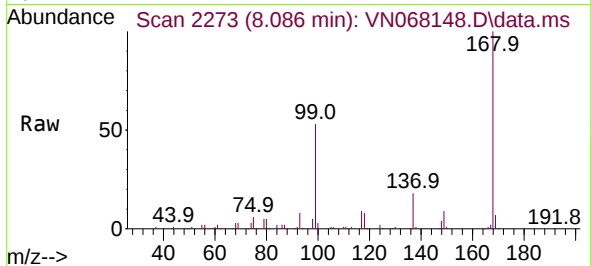




#31
Cyclohexane
Concen: 1.289 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN068148.D
Acq: 17 Aug 2021 17:18

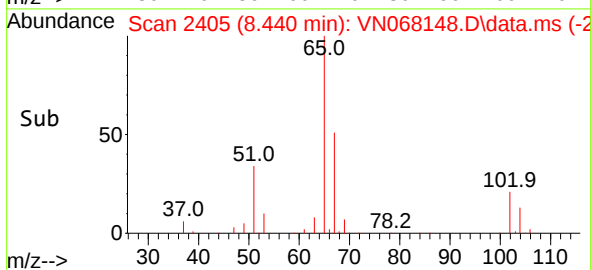
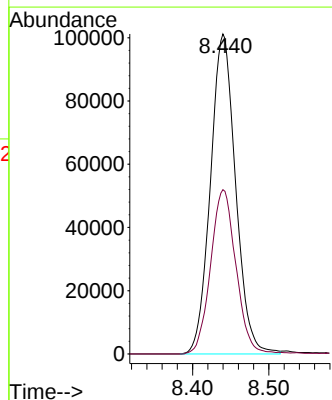
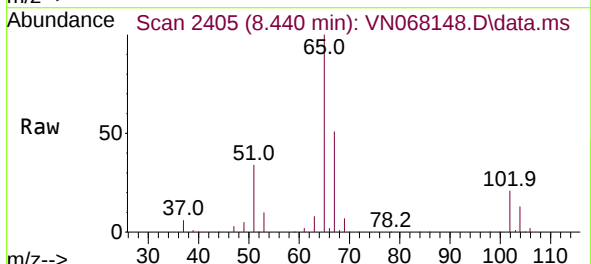
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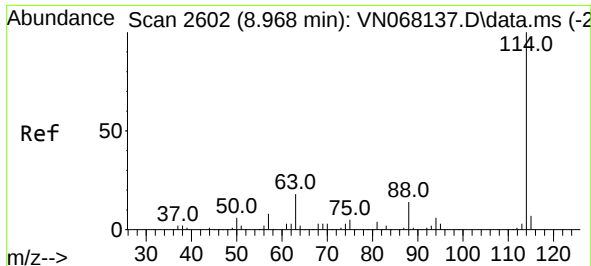
Tgt Ion: 56 Resp: 7408
Ion Ratio Lower Upper
56 100
69 172.2 27.3 40.9#
84 125.7 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 53.196 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068148.D
Acq: 17 Aug 2021 17:18

Tgt Ion: 65 Resp: 232033
Ion Ratio Lower Upper
65 100
67 51.7 0.0 98.6

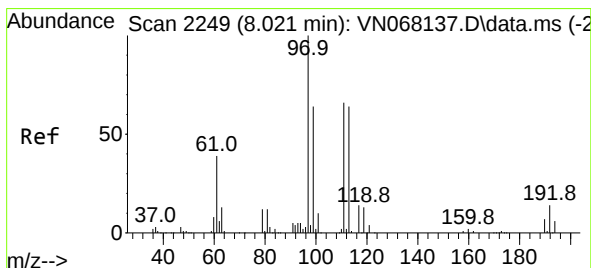
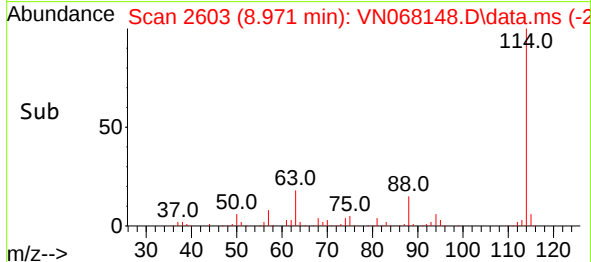
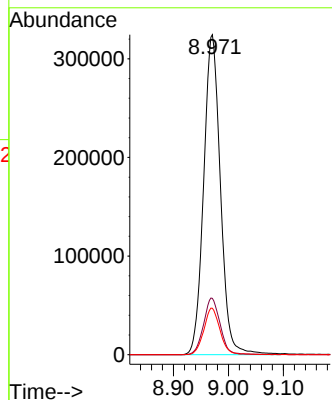
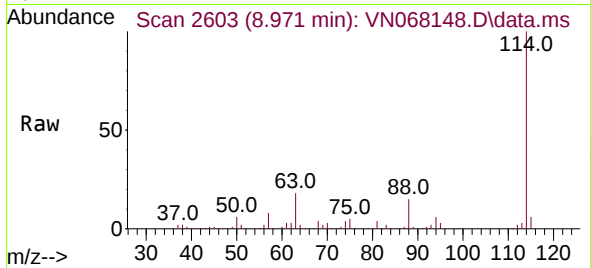




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068148.D
Acq: 17 Aug 2021 17:18

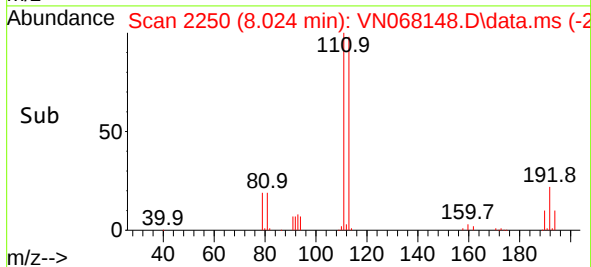
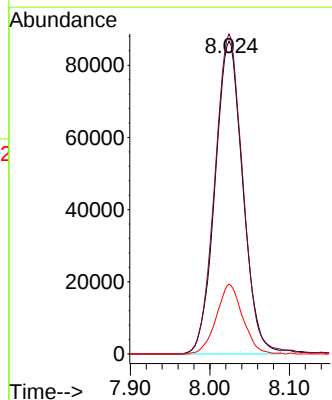
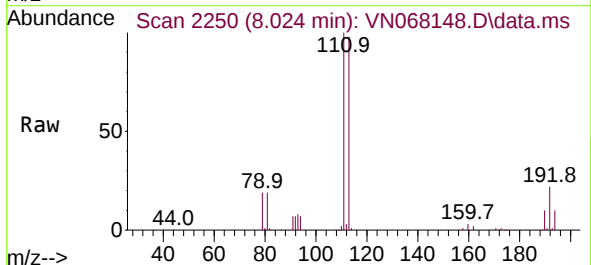
Instrument :
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41907

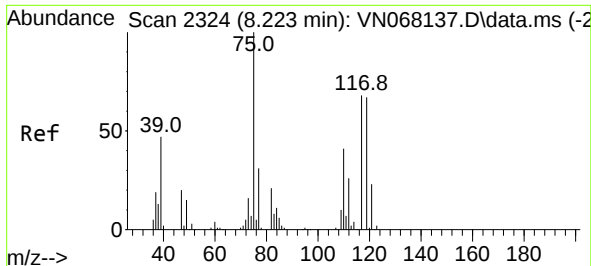
Tgt Ion:114 Resp: 688367
Ion Ratio Lower Upper
114 100
63 17.6 0.0 49.0
88 14.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.692 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068148.D
Acq: 17 Aug 2021 17:18

Tgt Ion:113 Resp: 210436
Ion Ratio Lower Upper
113 100
111 102.9 83.8 125.8
192 21.2 13.4 20.0#

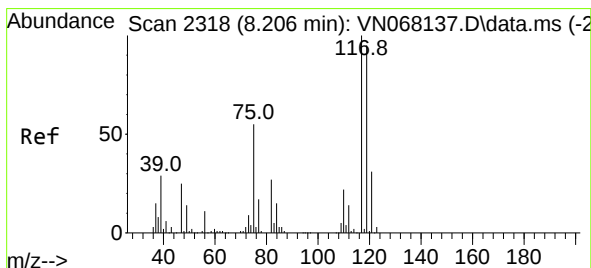
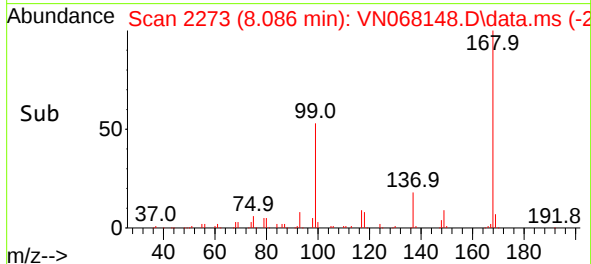
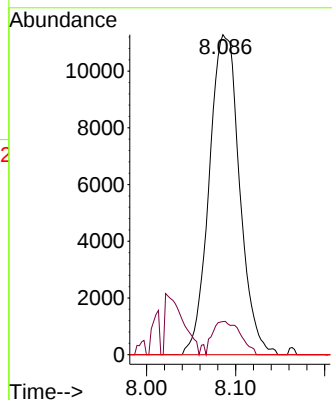
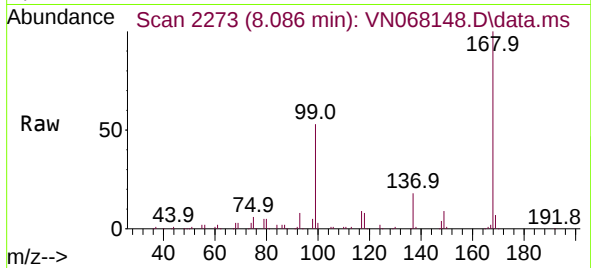




#36
1,1-Dichloropropene
Concen: 4.761 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068148.D
Acq: 17 Aug 2021 17:18

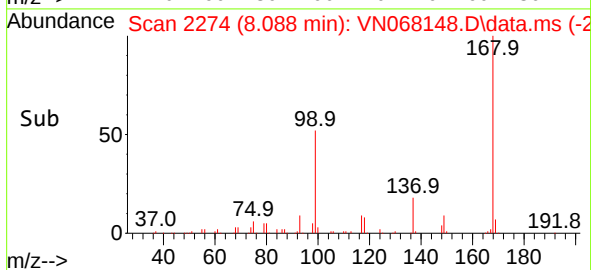
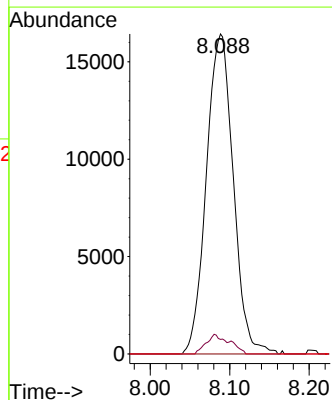
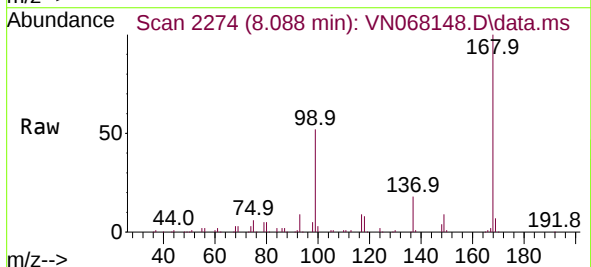
Instrument :
MSVOA_N
ClientSampled :
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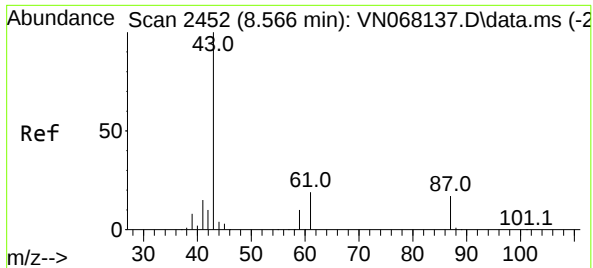
Tgt Ion: 75 Resp: 26791
Ion Ratio Lower Upper
75 100
110 9.9 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.956 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068148.D
Acq: 17 Aug 2021 17:18

Tgt Ion: 117 Resp: 38653
Ion Ratio Lower Upper
117 100
119 4.6 75.4 113.2#
121 0.0 23.5 35.3#

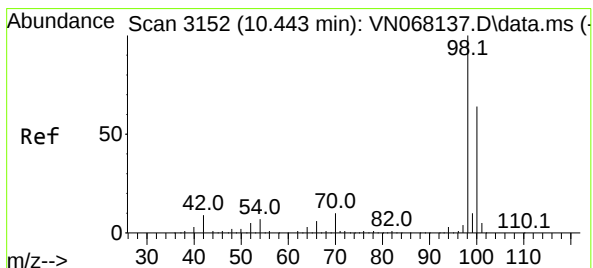
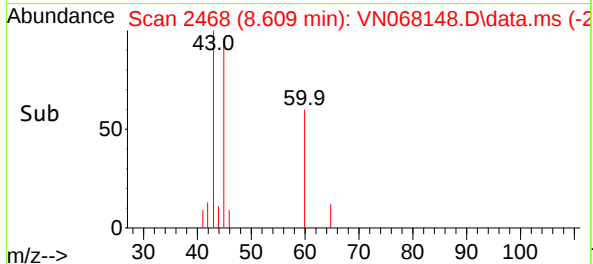
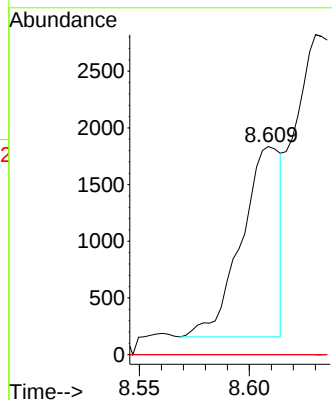
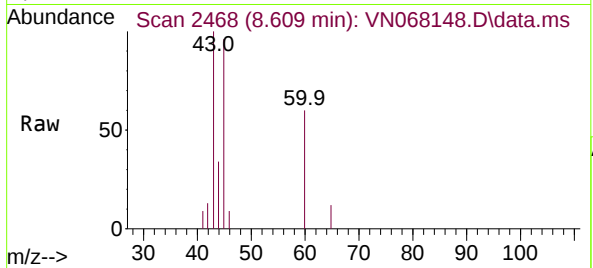




#43
Isopropyl Acetate
Concen: 0.272 ug/l
RT: 8.609 min Scan# 2468
Delta R.T. 0.043 min
Lab File: VN068148.D
Acq: 17 Aug 2021 17:18

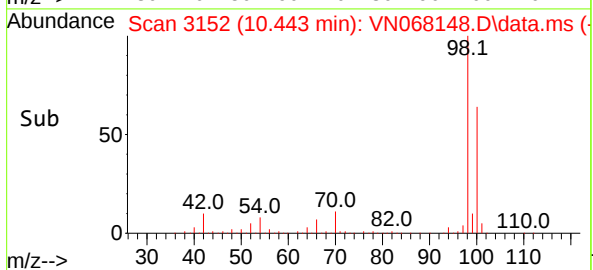
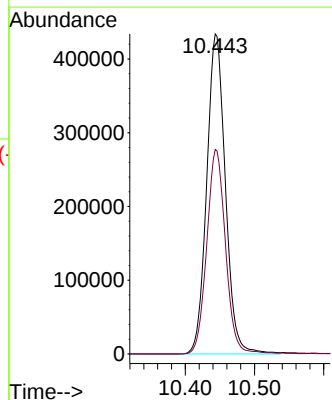
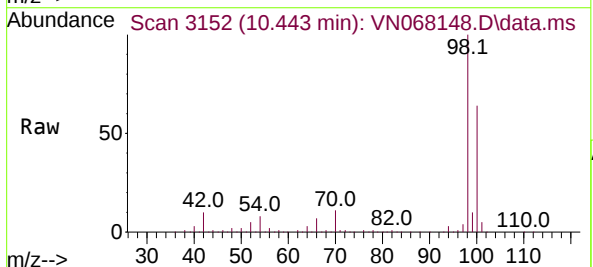
Instrument :
MSVOA_N
ClientSampled :
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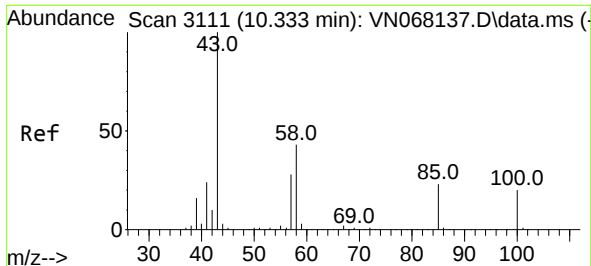
Tgt Ion: 43 Resp: 2088
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#



#50
Toluene-d8
Concen: 49.419 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068148.D
Acq: 17 Aug 2021 17:18

Tgt Ion: 98 Resp: 813809
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5

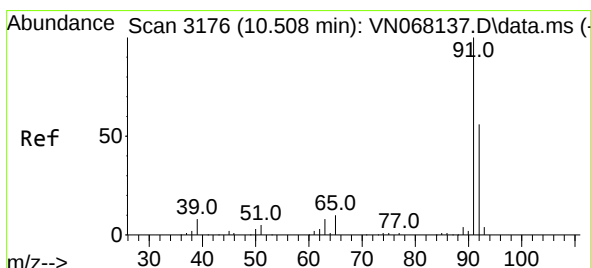
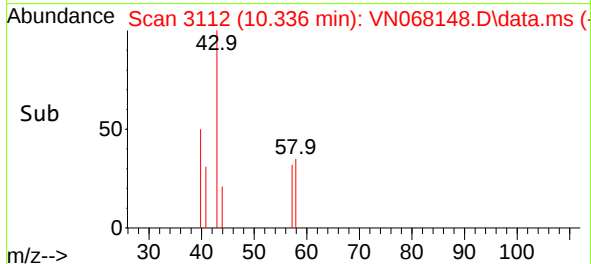
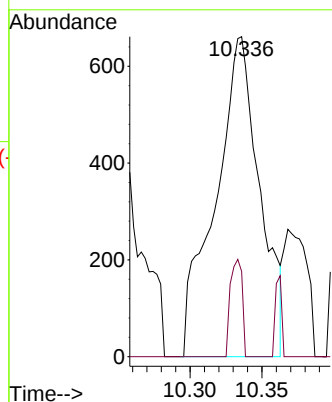
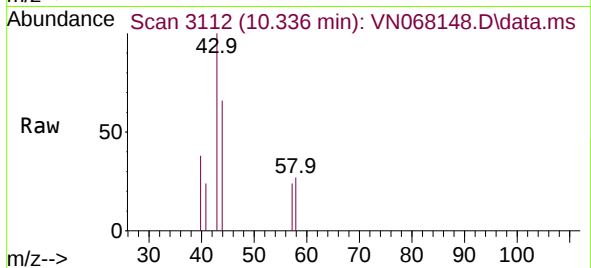




#51
4-Methyl-2-Pentanone
Concen: 0.301 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN068148.D
Acq: 17 Aug 2021 17:18

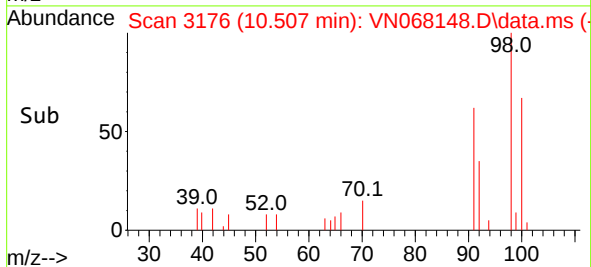
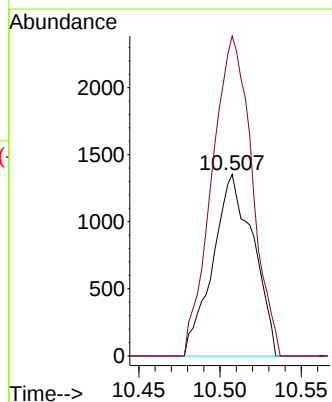
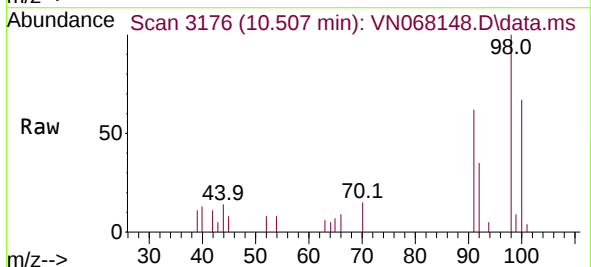
Instrument :
MSVOA_N
ClientSampled :
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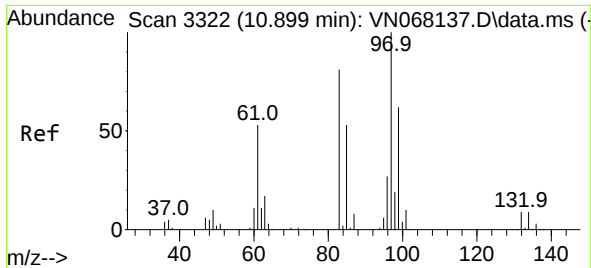
Tgt Ion: 43 Resp: 1421
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#



#52
Toluene
Concen: 0.200 ug/l
RT: 10.507 min Scan# 3176
Delta R.T. -0.001 min
Lab File: VN068148.D
Acq: 17 Aug 2021 17:18

Tgt Ion: 92 Resp: 2343
Ion Ratio Lower Upper
92 100
91 174.8 139.6 209.4

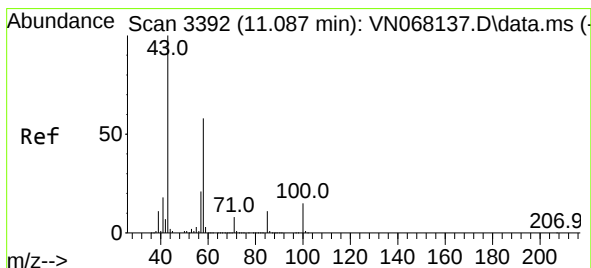
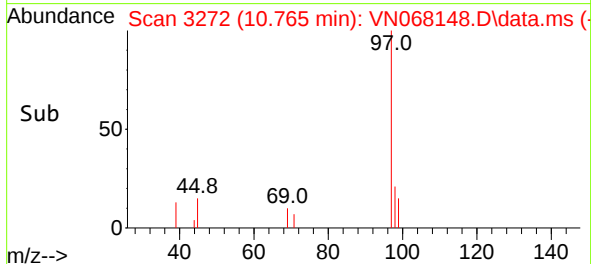
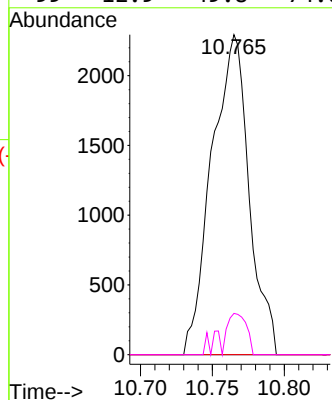
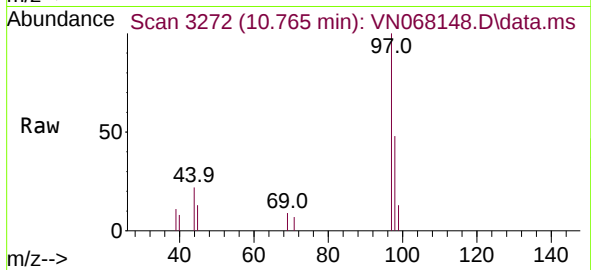




#55
1,1,2-Trichloroethane
Concen: 0.884 ug/l
RT: 10.765 min Scan# 3272
Delta R.T. -0.134 min
Lab File: VN068148.D
Acq: 17 Aug 2021 17:18

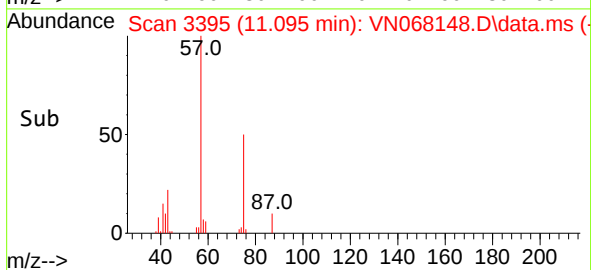
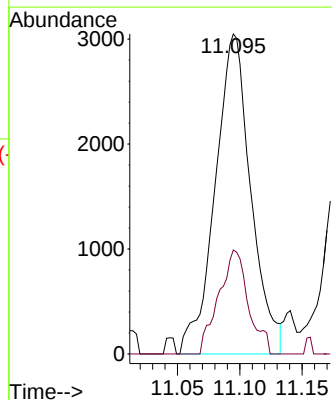
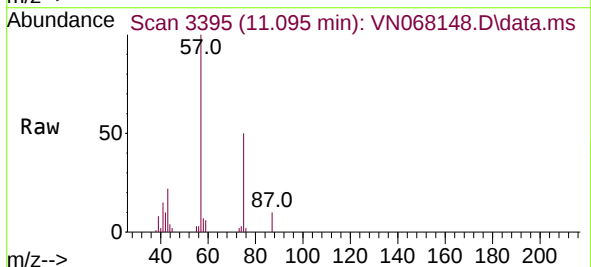
Instrument :
MSVOA_N
ClientSampled :
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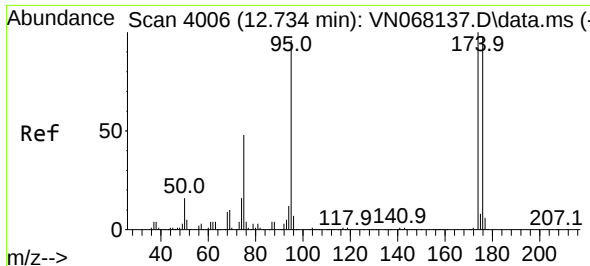
Tgt Ion:	97	Resp:	4137
Ion	Ratio	Lower	Upper
97	100		
83	0.0	72.0	108.0#
85	0.0	46.8	70.2#
99	12.9	49.8	74.6#



#59
2-Hexanone
Concen: 1.853 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068148.D
Acq: 17 Aug 2021 17:18

Tgt Ion:	43	Resp:	6069
Ion	Ratio	Lower	Upper
43	100		
58	27.0	24.7	74.1

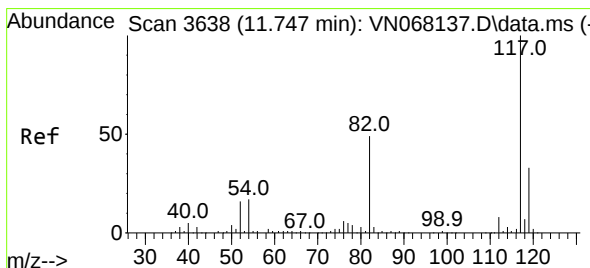
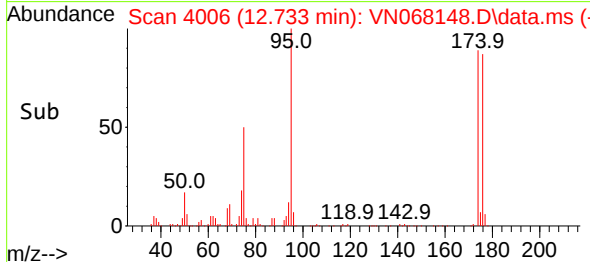
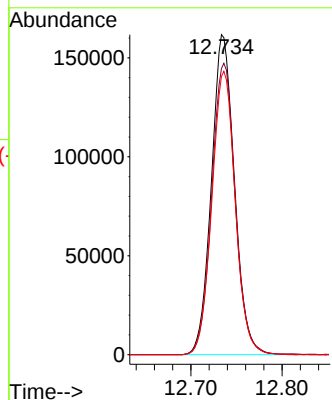
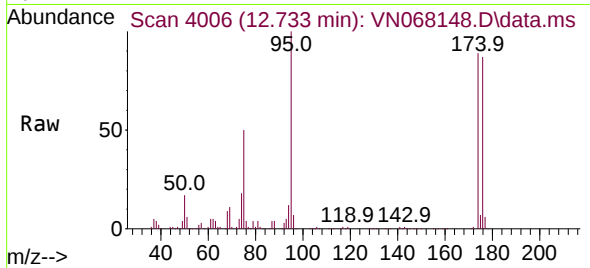




#62
4-Bromofluorobenzene
Concen: 51.877 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068148.D
Acq: 17 Aug 2021 17:18

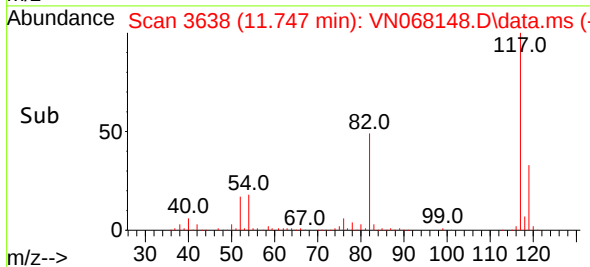
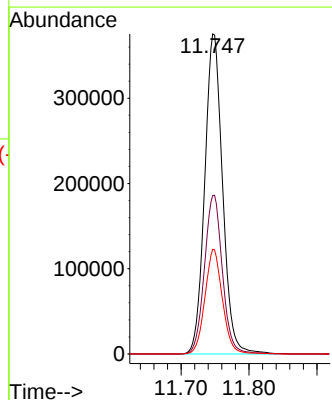
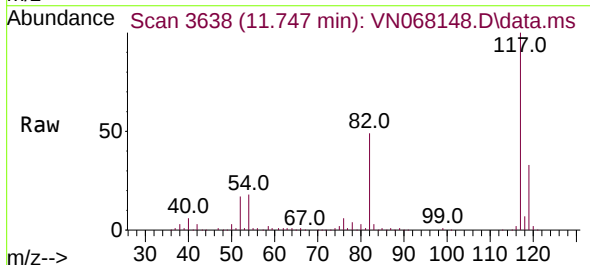
Instrument :
MSVOA_N
ClientSampled :
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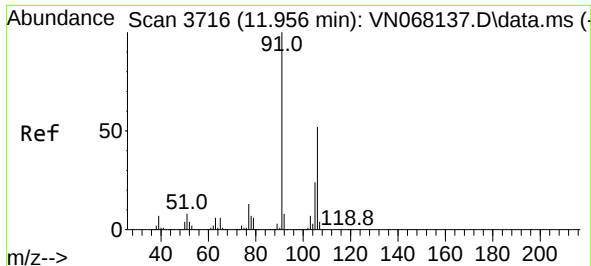
Tgt Ion: 95 Resp: 284385
Ion Ratio Lower Upper
95 100
174 92.7 0.0 122.0
176 89.8 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068148.D
Acq: 17 Aug 2021 17:18

Tgt Ion: 117 Resp: 686841
Ion Ratio Lower Upper
117 100
82 49.5 53.1 79.7#
119 32.7 25.5 38.3

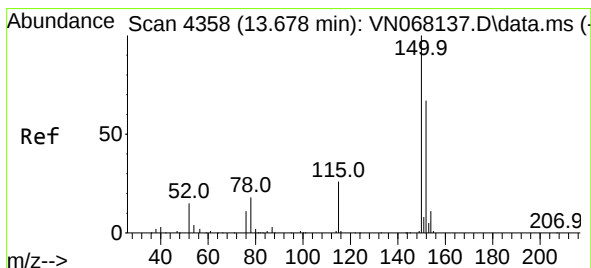
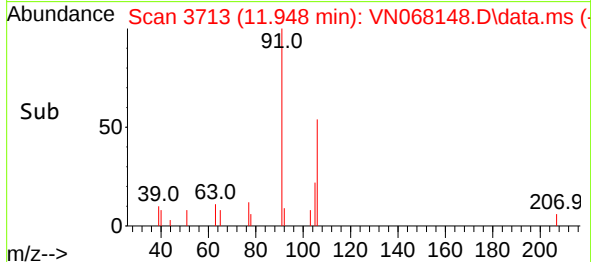
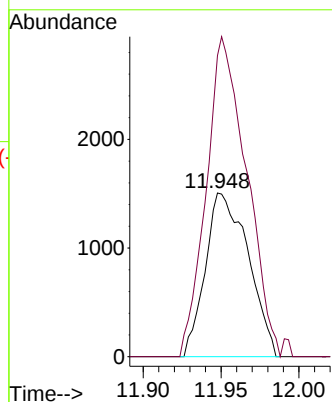
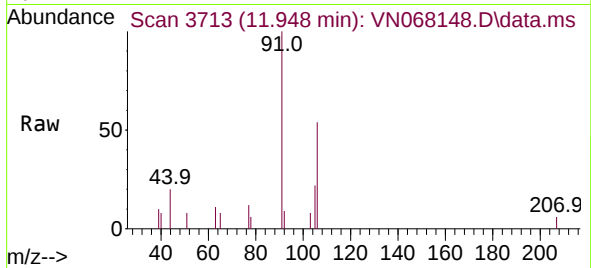




#68
m/p-Xylenes
Concen: 0.310 ug/l
RT: 11.948 min Scan# 3713
Delta R.T. -0.008 min
Lab File: VN068148.D
Acq: 17 Aug 2021 17:18

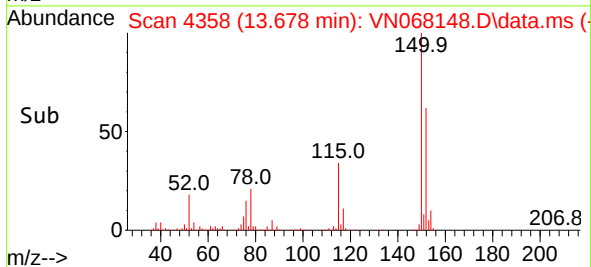
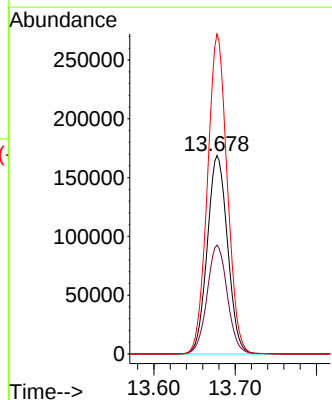
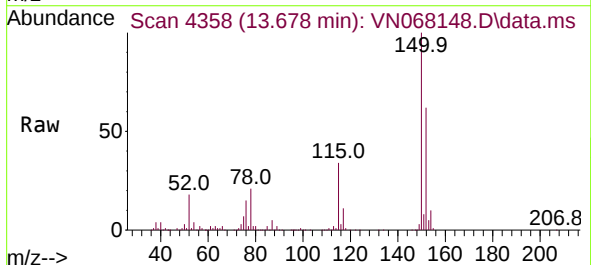
Instrument :
MSVOA_N
ClientSampled :
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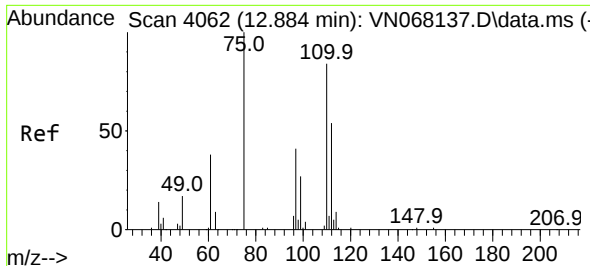
Tgt Ion:106 Resp: 2879
Ion Ratio Lower Upper
106 100
91 184.4 180.6 270.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068148.D
Acq: 17 Aug 2021 17:18

Tgt Ion:152 Resp: 293425
Ion Ratio Lower Upper
152 100
115 55.0 36.1 108.5
150 156.7 0.0 351.8

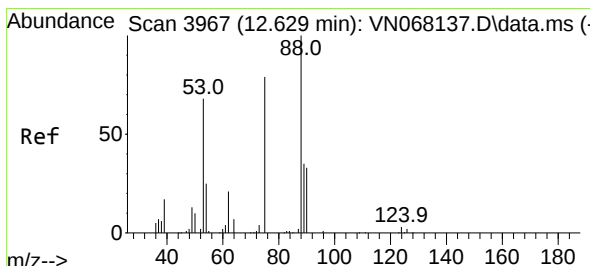
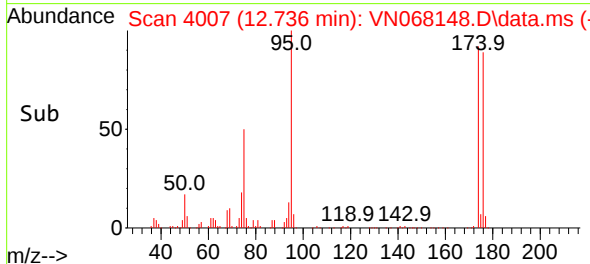
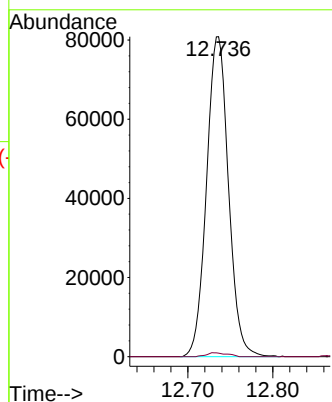
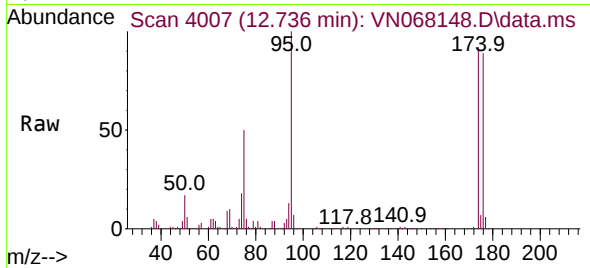




#76
1,2,3-Trichloropropane
Concen: 29.680 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.148 min
Lab File: VN068148.D
Acq: 17 Aug 2021 17:18

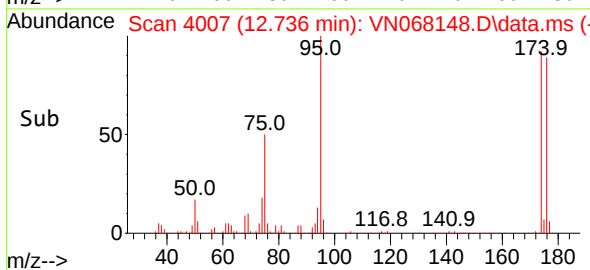
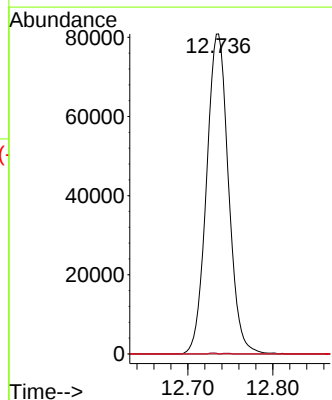
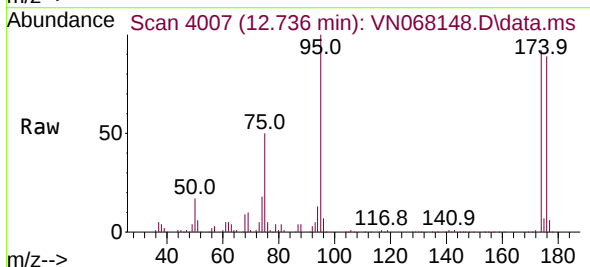
Instrument :
MSVOA_N
ClientSampled :
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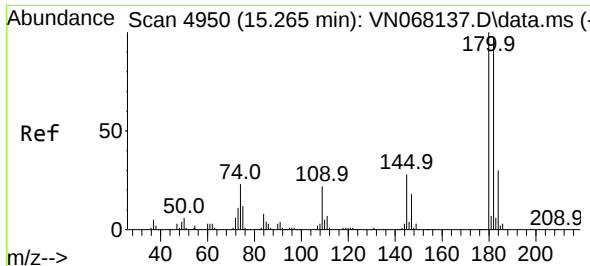
Tgt Ion: 75 Resp: 144752
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.238 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN068148.D
Acq: 17 Aug 2021 17:18

Tgt Ion: 75 Resp: 144752
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#

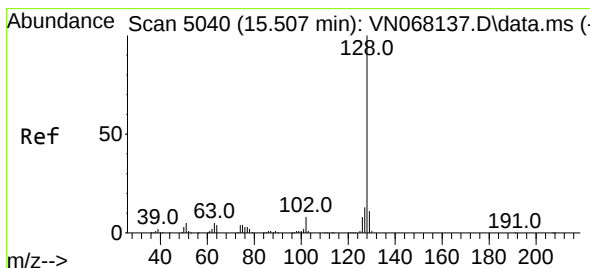
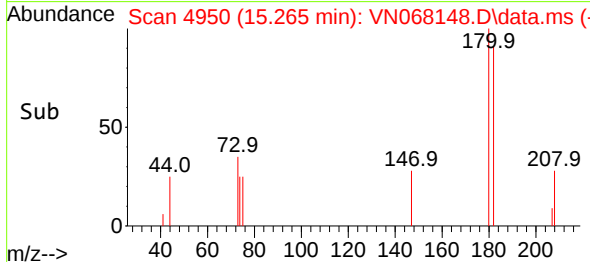
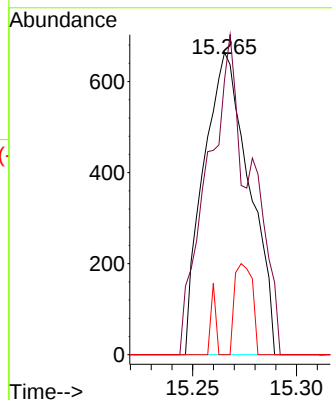
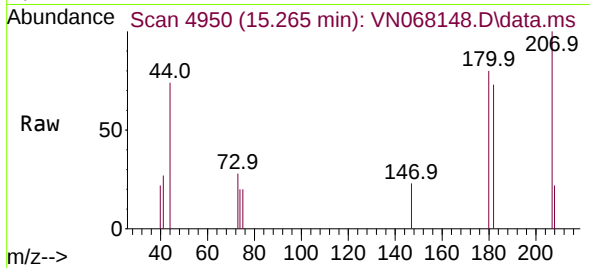




#93
1,2,4-Trichlorobenzene
Concen: 2.881 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN068148.D
Acq: 17 Aug 2021 17:18

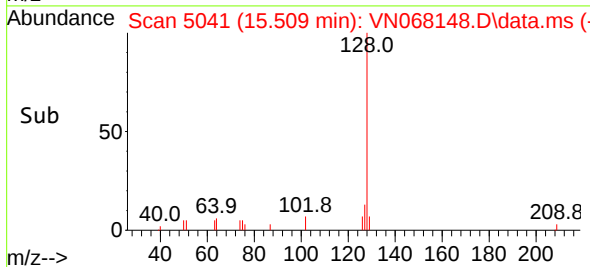
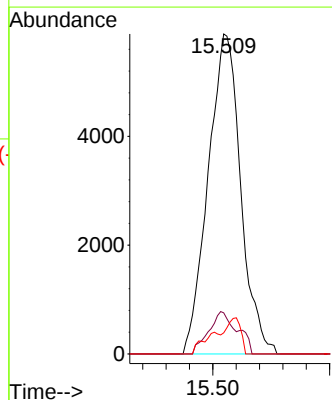
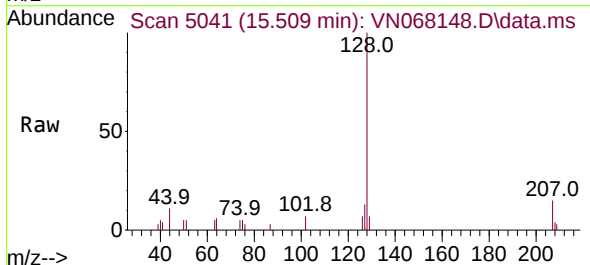
Instrument :
MSVOA_N
ClientSampled :
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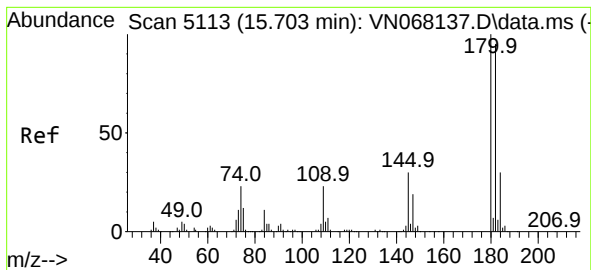
Tgt Ion:180 Resp: 1015
Ion Ratio Lower Upper
180 100
182 77.9 47.5 142.5
145 11.6 17.2 51.6#



#95
Naphthalene
Concen: 4.265 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068148.D
Acq: 17 Aug 2021 17:18

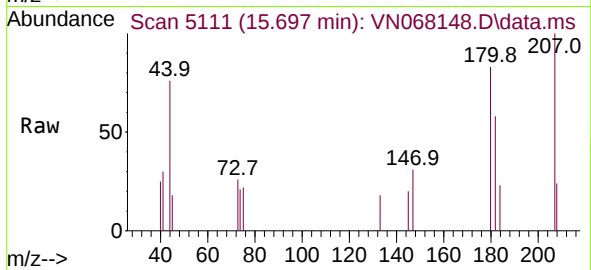
Tgt Ion:128 Resp: 11361
Ion Ratio Lower Upper
128 100
127 11.7 10.6 15.8
129 3.7 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.078 ug/l
 RT: 15.697 min Scan# 5111
 Delta R.T. -0.006 min
 Lab File: VN068148.D
 Acq: 17 Aug 2021 17:18

Instrument :
 MSVOA_N
 ClientSampleId :
 41907



Tgt Ion:180	Resp:	1214
Ion	Ratio	Lower Upper
180	100	
182	94.9	47.8 143.3
145	13.4	18.2 54.6#

