

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062221\Not Reviewed Data\
 Data File : VN067433.D
 Acq On : 22 Jun 2021 11:52
 Operator : JC/MD
 Sample : VN0622MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

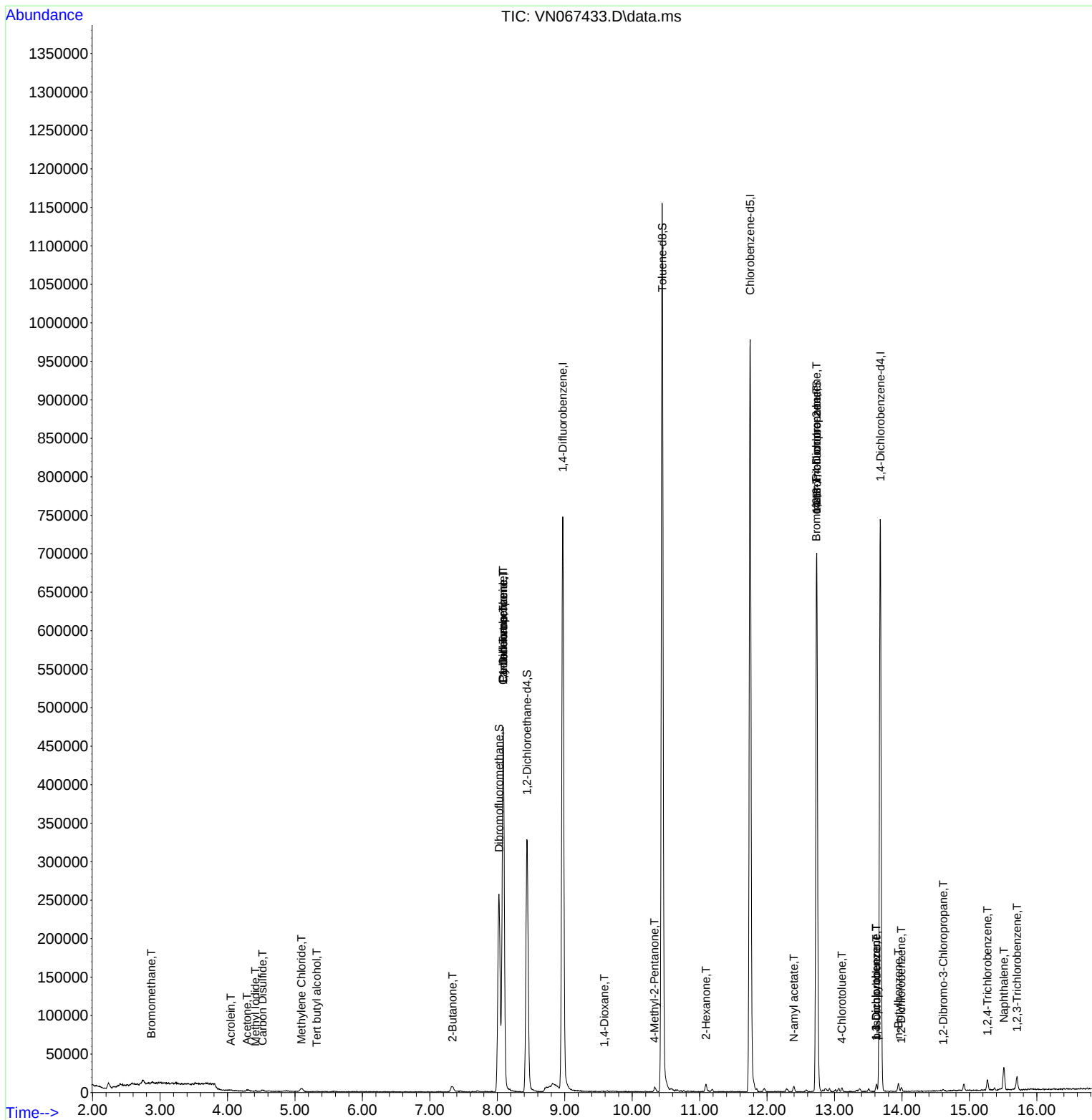
Quant Time: Jun 22 17:45:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 15 05:19:42 2021
 Response via : Initial Calibration

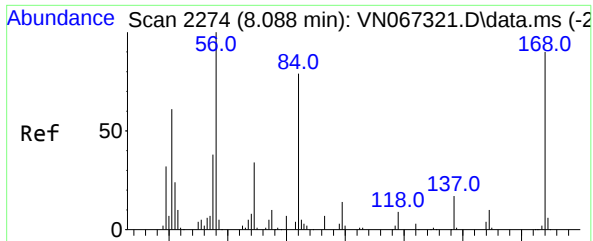
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.088	168	297909	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	608795	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	523403	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.680	152	167933	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	280767	47.774	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.540%		
35) Dibromofluoromethane	8.027	113	184819	45.646	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.300%		
50) Toluene-d8	10.446	98	793030	51.101	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	102.200%		
62) 4-Bromofluorobenzene	12.736	95	261268	40.794	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	81.580%		
Target Compounds						Qvalue
5) Bromomethane	2.872	94	451	0.240	ug/l #	37
10) Methyl Iodide	4.414	142	300	6.812	ug/l #	55
11) Tert butyl alcohol	5.320	59	202	0.209	ug/l #	71
13) Acrolein	4.049	56	1054	1.745	ug/l #	20
16) Acetone	4.291	43	1282	0.568	ug/l #	89
17) Carbon Disulfide	4.521	76	3004	0.260	ug/l #	74
20) Methylene Chloride	5.095	84	2192	0.467	ug/l #	72
25) 2-Butanone	7.337	43	873	0.271	ug/l #	51
31) Cyclohexane	8.088	56	10681	1.337	ug/l #	12
36) 1,1-Dichloropropene	8.085	75	36655	5.371	ug/l #	46
38) Carbon Tetrachloride	8.085	117	37707	5.140	ug/l #	17
49) 1,4-Dioxane	9.587	88	80	0.988	ug/l #	1
51) 4-Methyl-2-Pentanone	10.330	43	4769	0.638	ug/l	90
59) 2-Hexanone	11.095	43	8478	1.549	ug/l	89
71) Bromoform	12.731	173	821	0.253	ug/l #	29
74) N-amyl acetate	12.395	43	4738	0.602	ug/l	97
76) 1,2,3-Trichloropropane	12.733	75	155862	35.740	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	155862	88.576	ug/l #	6
82) 4-Chlorotoluene	13.109	91	3277	0.276	ug/l	78
86) p-Isopropyltoluene	13.621	119	3025	0.245	ug/l	90
87) 1,3-Dichlorobenzene	13.618	146	1826	0.308	ug/l	94
88) 1,4-Dichlorobenzene	13.618	146	1826	0.307	ug/l	93
89) n-Butylbenzene	13.946	91	6031	0.520	ug/l	99
91) 1,2-Dichlorobenzene	13.991	146	2284	0.407	ug/l #	68
92) 1,2-Dibromo-3-Chloropr...	14.611	75	601	0.500	ug/l	72
93) 1,2,4-Trichlorobenzene	15.268	180	3589	1.224	ug/l	99
95) Naphthalene	15.509	128	23522	4.793	ug/l	98
96) 1,2,3-Trichlorobenzene	15.705	180	4948	1.758	ug/l	91

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

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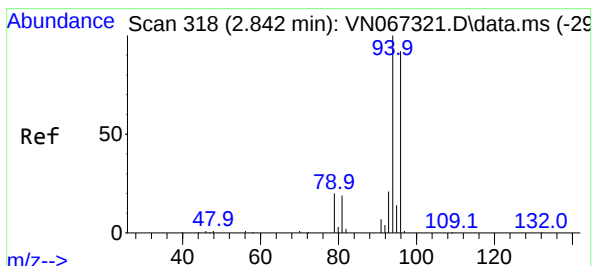
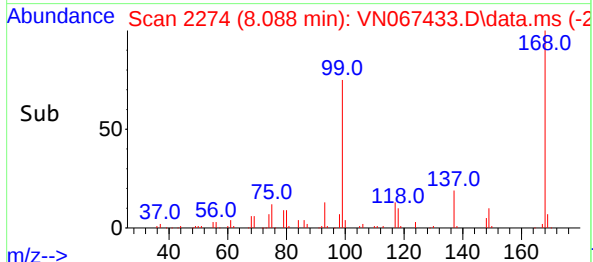
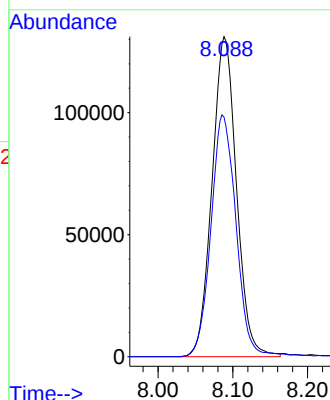
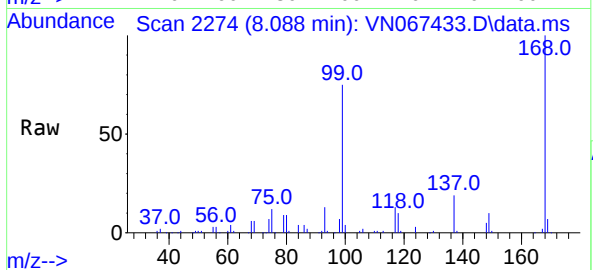




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN067433.D
Acq: 22 Jun 2021 11:52

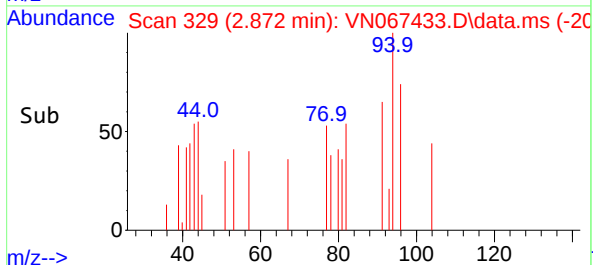
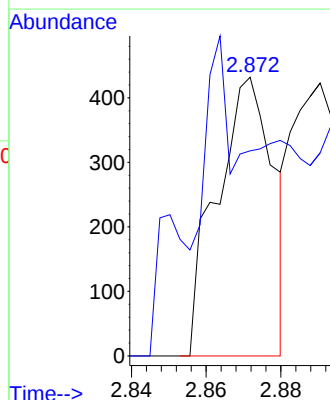
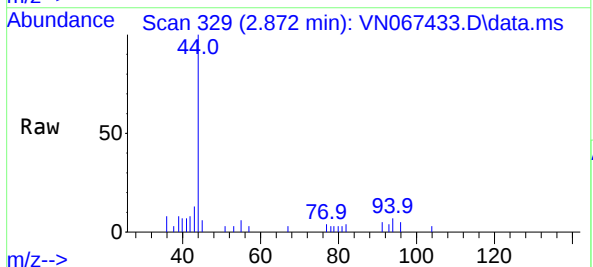
Instrument :
MSVOA_N
ClientSampled :

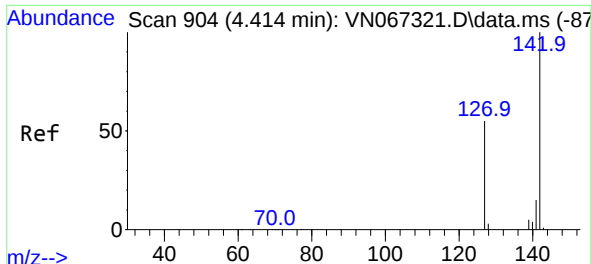
Tgt Ion:168 Resp: 297909
Ion Ratio Lower Upper
168 100
99 74.8 62.9 94.3



#5
Bromomethane
Concen: 0.240 ug/l
RT: 2.872 min Scan# 329
Delta R.T. 0.030 min
Lab File: VN067433.D
Acq: 22 Jun 2021 11:52

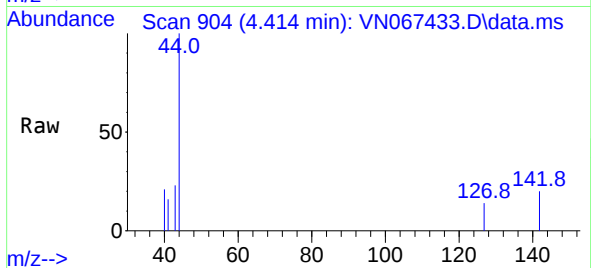
Tgt Ion: 94 Resp: 451
Ion Ratio Lower Upper
94 100
96 31.7 73.7 110.5#



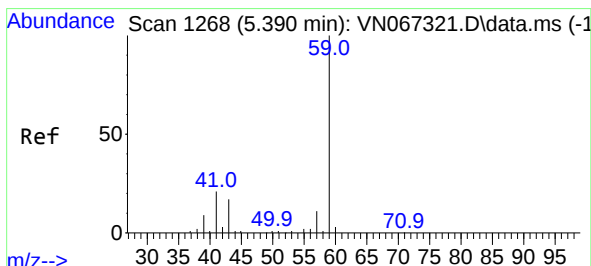
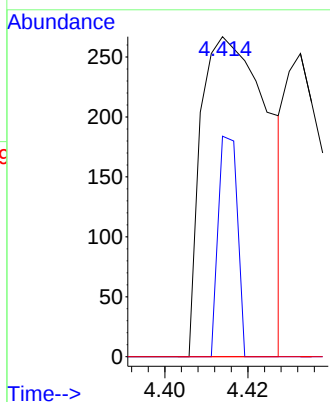
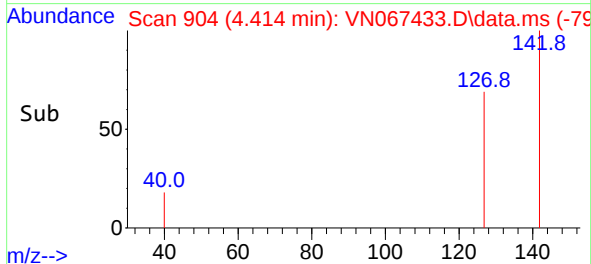


#10
Methyl Iodide
Concen: 6.812 ug/l
RT: 4.414 min Scan# 904
Delta R.T. -0.000 min
Lab File: VN067433.D
Acq: 22 Jun 2021 11:52

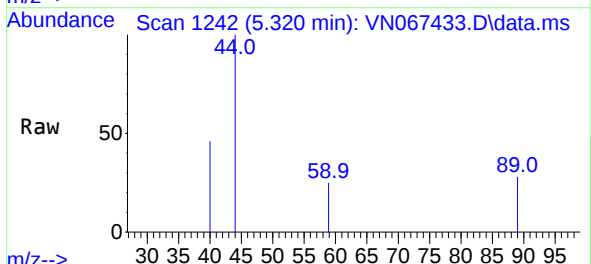
Instrument :
MSVOA_N
ClientSampled :



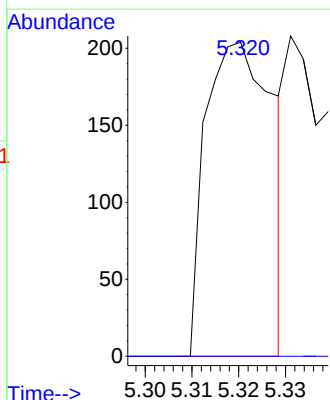
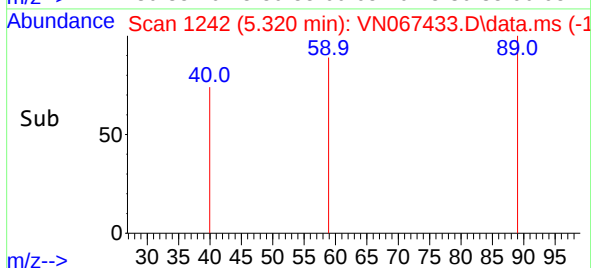
Tgt Ion:142 Resp: 300
Ion Ratio Lower Upper
142 100
127 19.7 43.1 64.7#
141 0.0 11.4 17.0#

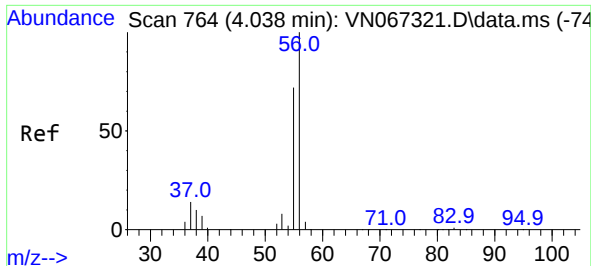


#11
Tert butyl alcohol
Concen: 0.209 ug/l
RT: 5.320 min Scan# 1242
Delta R.T. -0.070 min
Lab File: VN067433.D
Acq: 22 Jun 2021 11:52



Tgt Ion: 59 Resp: 202
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

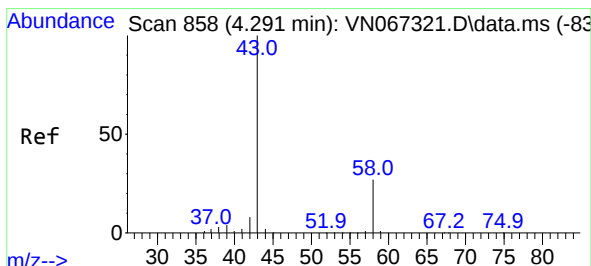
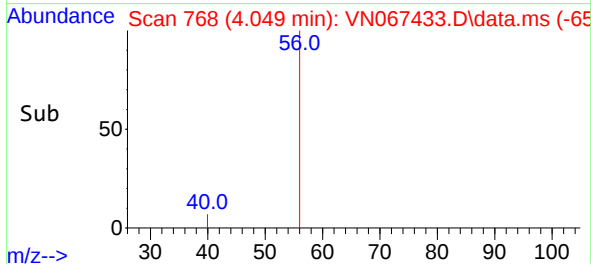
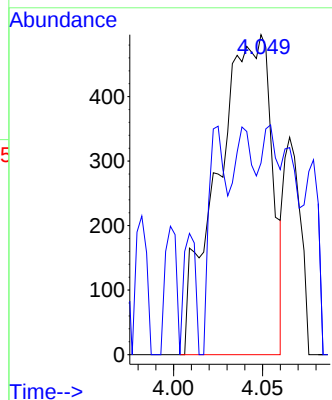
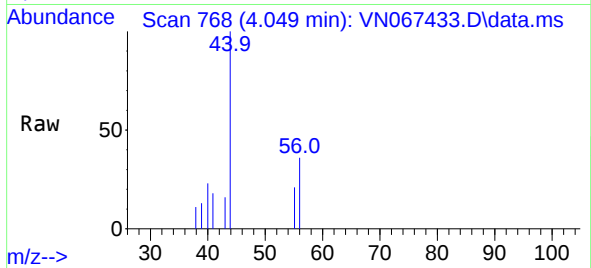




#13
Acrolein
Concen: 1.745 ug/l
RT: 4.049 min Scan# 768
Delta R.T. 0.011 min
Lab File: VN067433.D
Acq: 22 Jun 2021 11:52

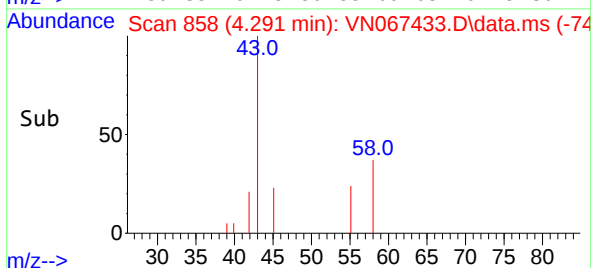
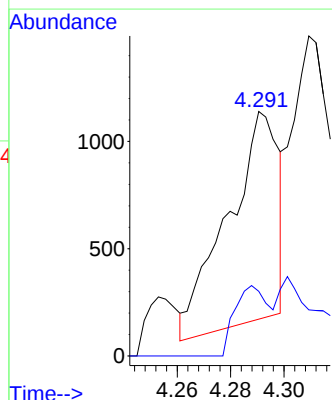
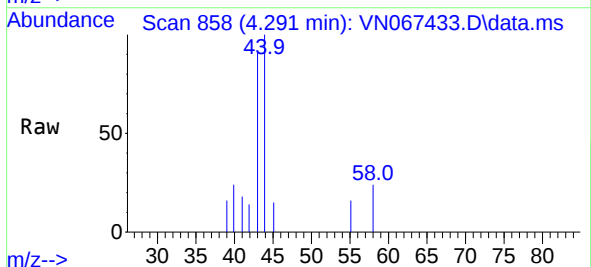
Instrument :
MSVOA_N
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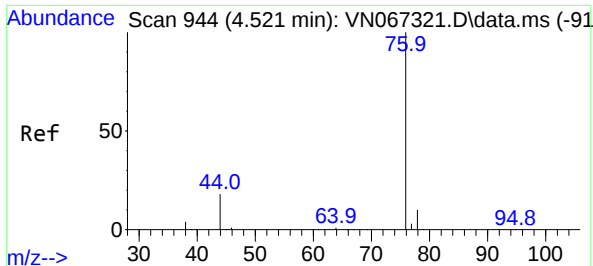
Tgt Ion: 56 Resp: 1054
Ion Ratio Lower Upper
56 100
55 4.9 57.4 86.0#



#16
Acetone
Concen: 0.568 ug/l
RT: 4.291 min Scan# 858
Delta R.T. -0.000 min
Lab File: VN067433.D
Acq: 22 Jun 2021 11:52

Tgt Ion: 43 Resp: 1282
Ion Ratio Lower Upper
43 100
58 32.0 21.2 31.8#

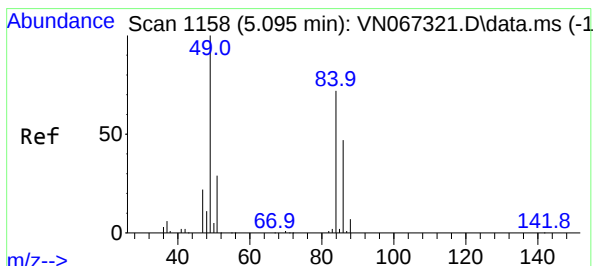
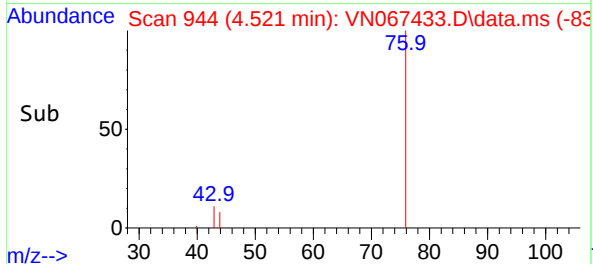
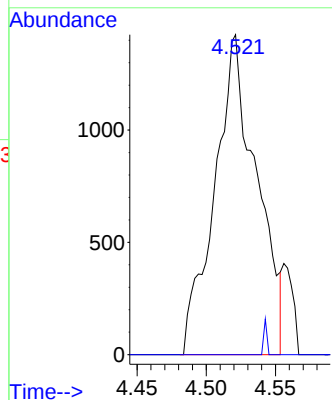
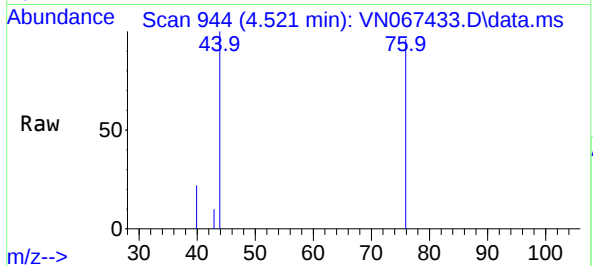




#17
Carbon Disulfide
Concen: 0.260 ug/l
RT: 4.521 min Scan# 944
Delta R.T. 0.000 min
Lab File: VN067433.D
Acq: 22 Jun 2021 11:52

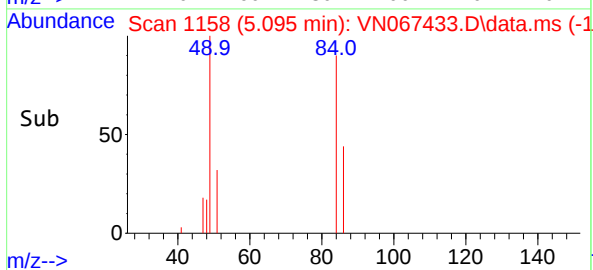
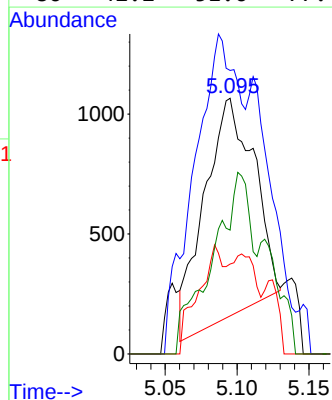
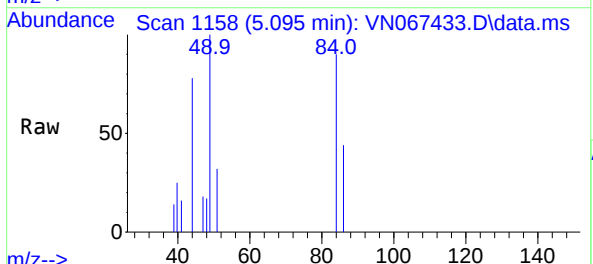
Instrument :
MSVOA_N
ClientSampled :

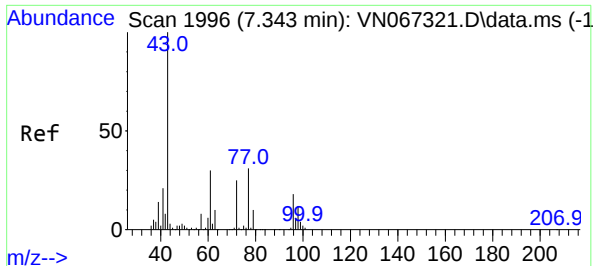
Tgt Ion: 76 Resp: 3004
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



#20
Methylene Chloride
Concen: 0.467 ug/l
RT: 5.095 min Scan# 1158
Delta R.T. 0.000 min
Lab File: VN067433.D
Acq: 22 Jun 2021 11:52

Tgt Ion: 84 Resp: 2192
Ion Ratio Lower Upper
84 100
49 98.0 110.9 166.3#
51 46.8 32.6 49.0
86 42.2 51.6 77.4#

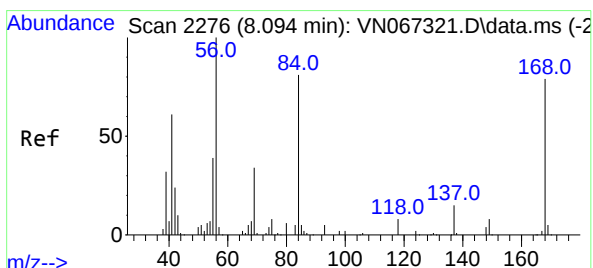
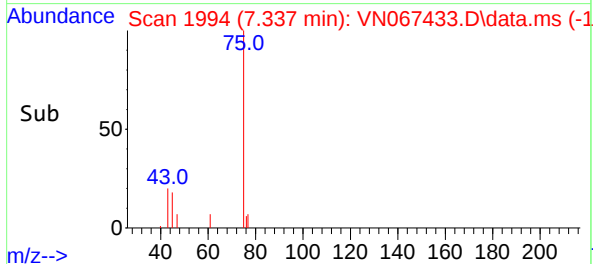
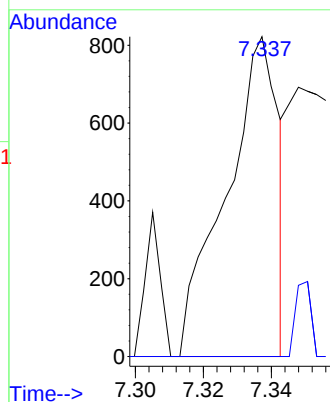
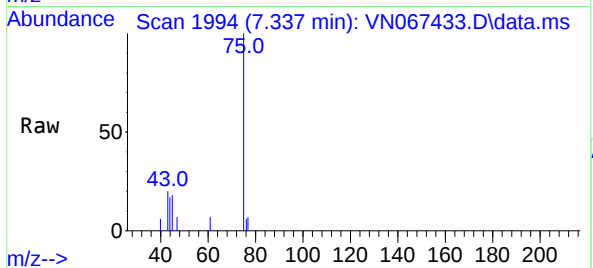




#25
2-Butanone
Concen: 0.271 ug/l
RT: 7.337 min Scan# 1994
Delta R.T. -0.006 min
Lab File: VN067433.D
Acq: 22 Jun 2021 11:52

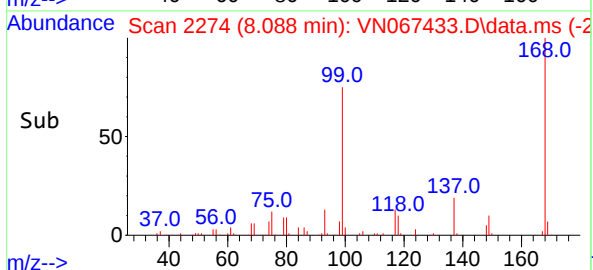
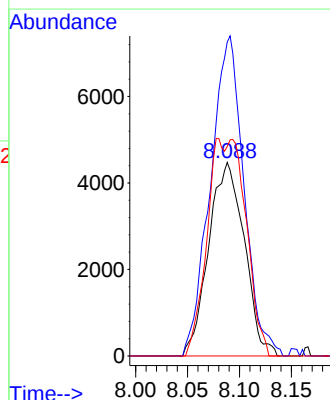
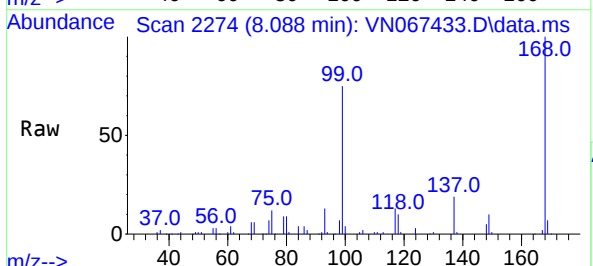
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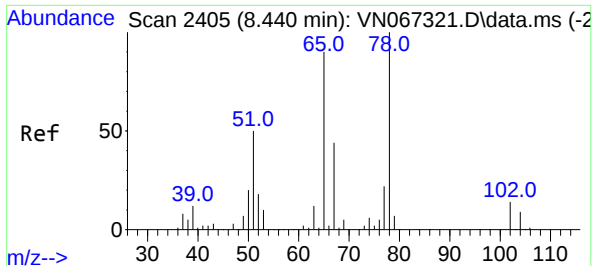
Tgt Ion: 43 Resp: 873
Ion Ratio Lower Upper
43 100
72 0.0 19.7 29.5#



#31
Cyclohexane
Concen: 1.337 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN067433.D
Acq: 22 Jun 2021 11:52

Tgt Ion: 56 Resp: 10681
Ion Ratio Lower Upper
56 100
69 162.3 27.3 40.9#
84 108.3 64.9 97.3#

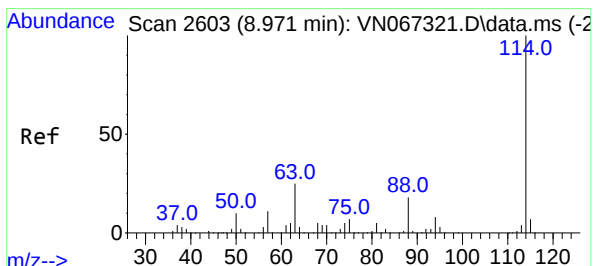
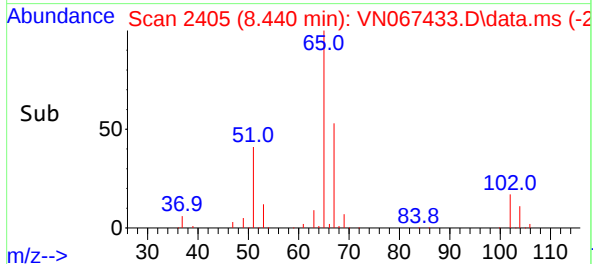
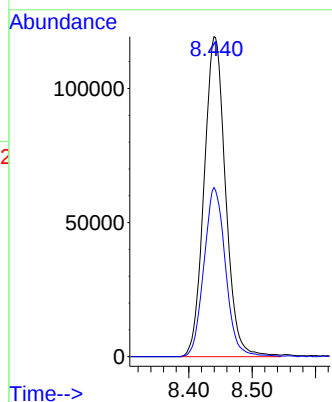
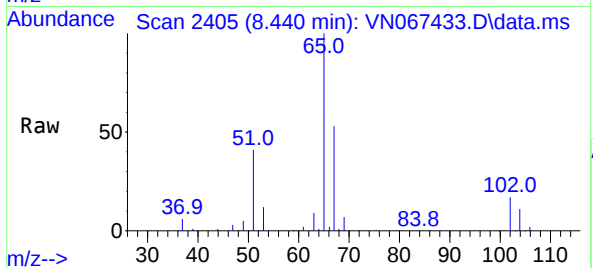




#33
1,2-Dichloroethane-d4
Concen: 47.774 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067433.D
Acq: 22 Jun 2021 11:52

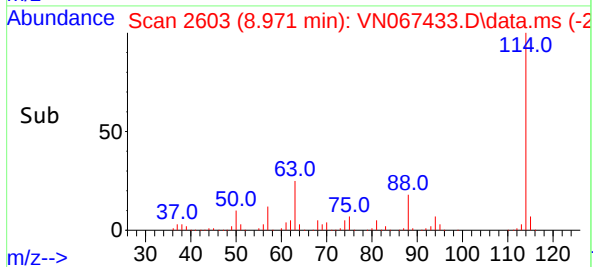
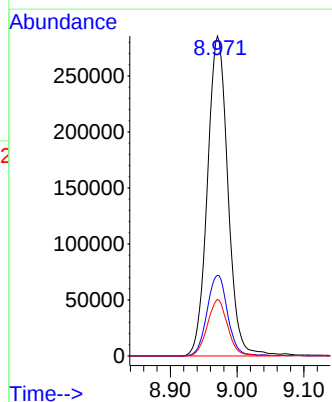
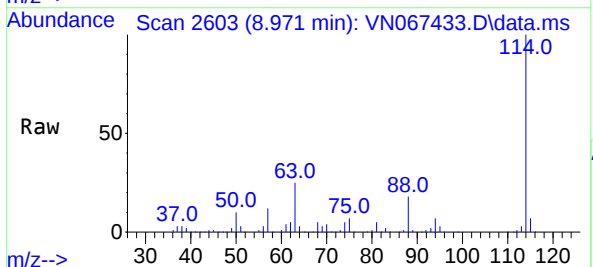
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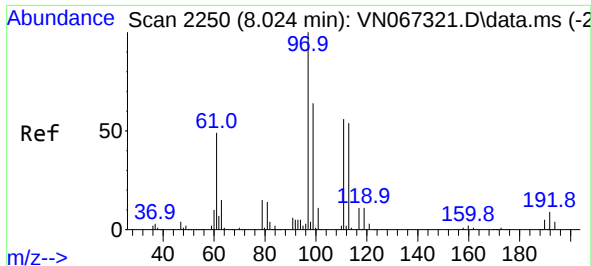
Tgt Ion: 65 Resp: 280767
Ion Ratio Lower Upper
65 100
67 53.0 0.0 98.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN067433.D
Acq: 22 Jun 2021 11:52

Tgt Ion: 114 Resp: 608795
Ion Ratio Lower Upper
114 100
63 25.2 0.0 49.0
88 17.7 0.0 36.6

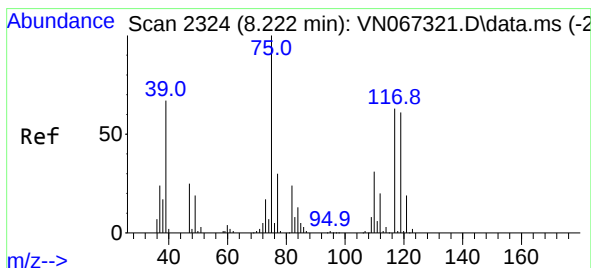
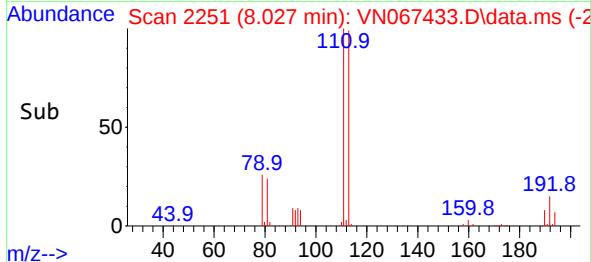
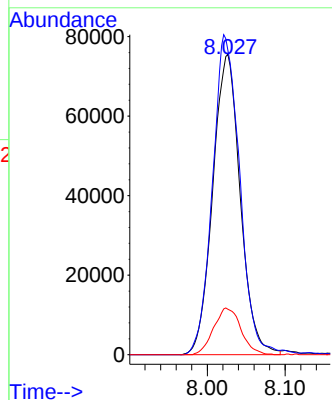
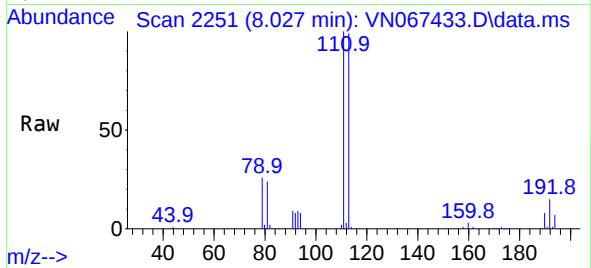




#35
Dibromofluoromethane
Concen: 45.646 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.003 min
Lab File: VN067433.D
Acq: 22 Jun 2021 11:52

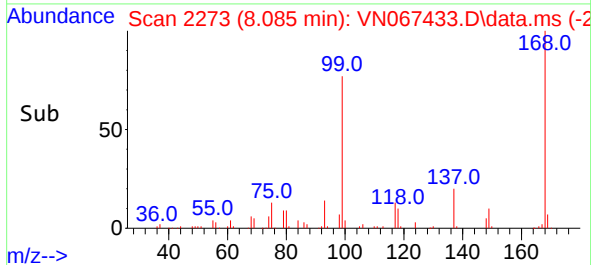
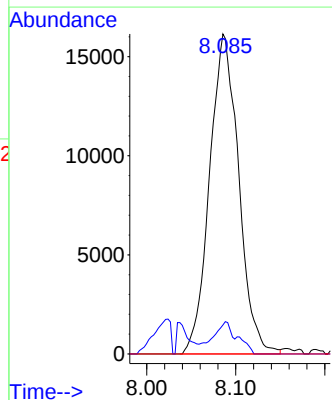
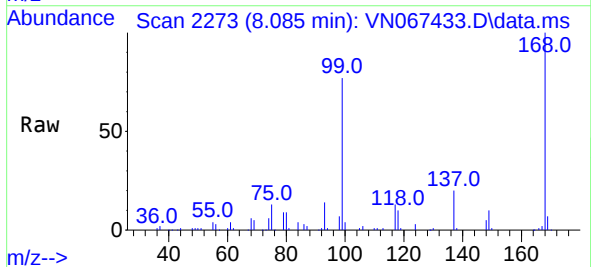
Instrument :
MSVOA_N
ClientSampled :

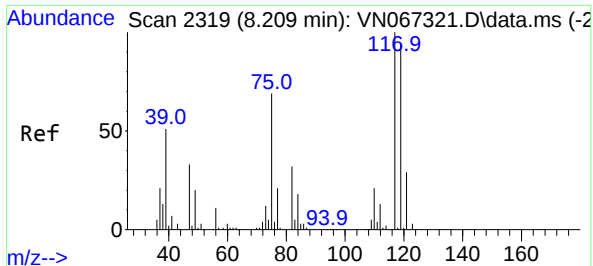
Tgt Ion:113 Resp: 184819
Ion Ratio Lower Upper
113 100
111 105.2 83.8 125.8
192 15.5 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.371 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN067433.D
Acq: 22 Jun 2021 11:52

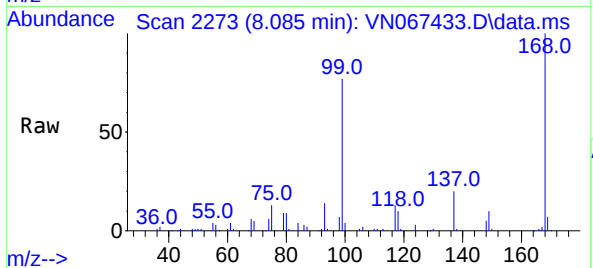
Tgt Ion: 75 Resp: 36655
Ion Ratio Lower Upper
75 100
110 2.9 15.7 47.0#
77 0.0 24.6 37.0#



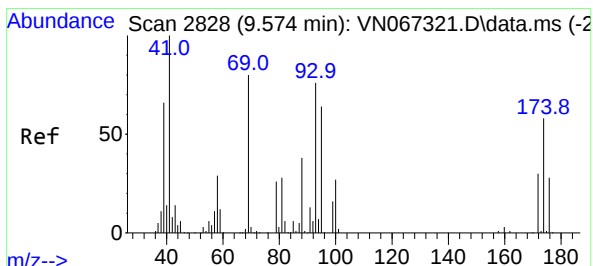
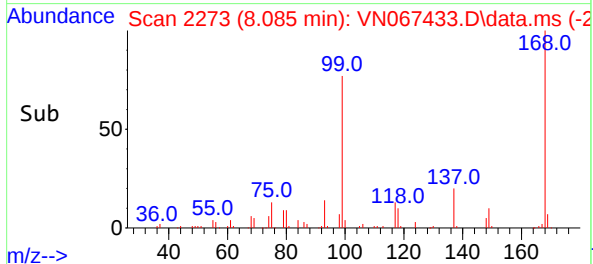
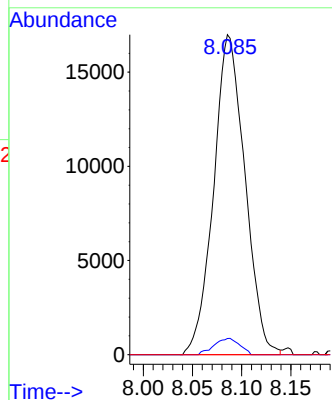


#38
Carbon Tetrachloride
Concen: 5.140 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.123 min
Lab File: VN067433.D
Acq: 22 Jun 2021 11:52

Instrument :
MSVOA_N
ClientSampleId :

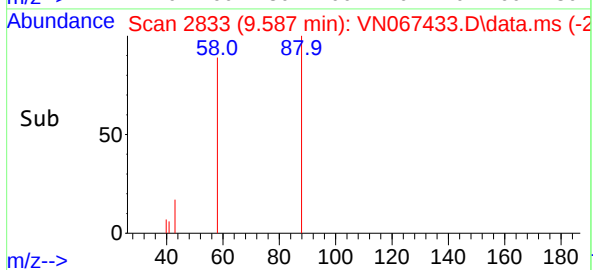
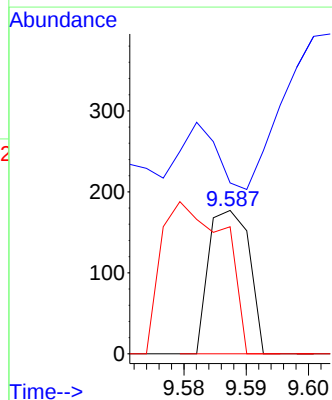
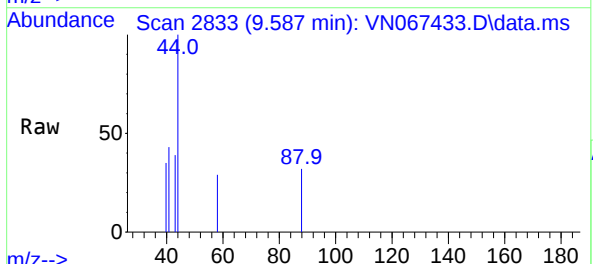


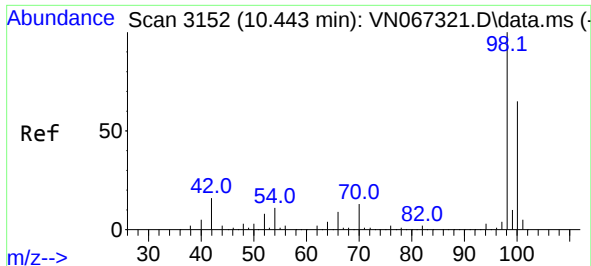
Tgt Ion:117 Resp: 37707
Ion Ratio Lower Upper
117 100
119 5.0 75.4 113.2#
121 0.0 23.5 35.3#



#49
1,4-Dioxane
Concen: 0.988 ug/l
RT: 9.587 min Scan# 2833
Delta R.T. 0.013 min
Lab File: VN067433.D
Acq: 22 Jun 2021 11:52

Tgt Ion: 88 Resp: 80
Ion Ratio Lower Upper
88 100
43 258.8 28.8 43.2#
58 165.0 60.4 90.6#

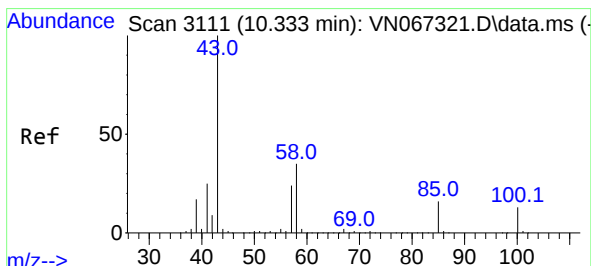
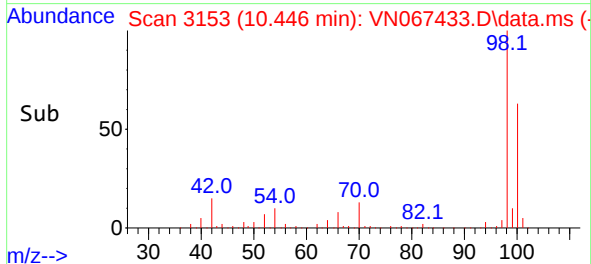
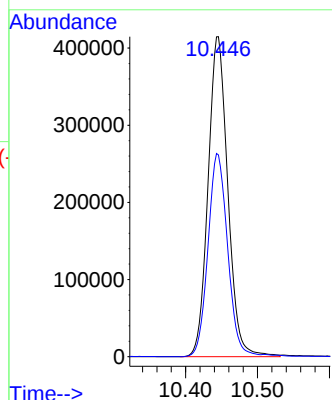
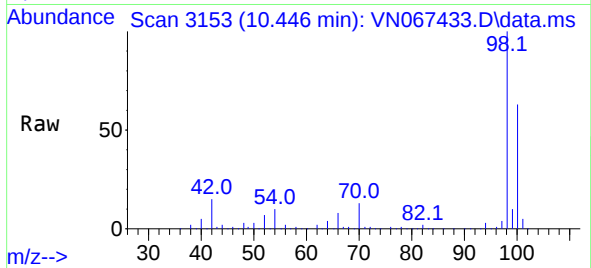




#50
Toluene-d8
Concen: 51.101 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN067433.D
Acq: 22 Jun 2021 11:52

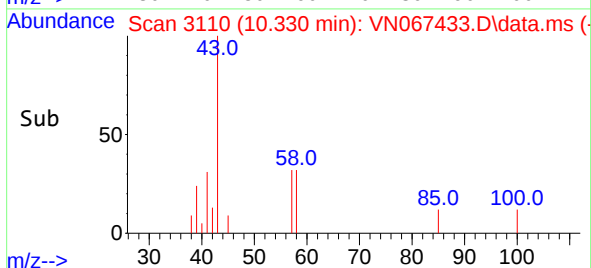
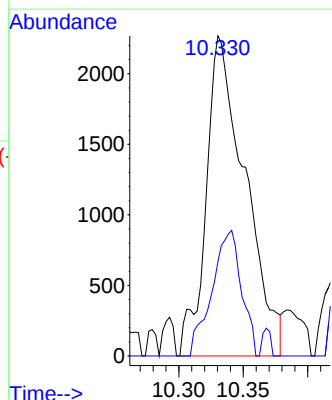
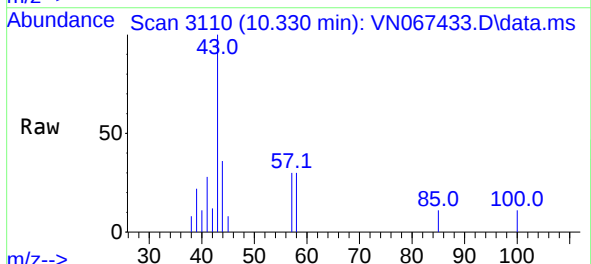
Instrument :
MSVOA_N
ClientSampled :

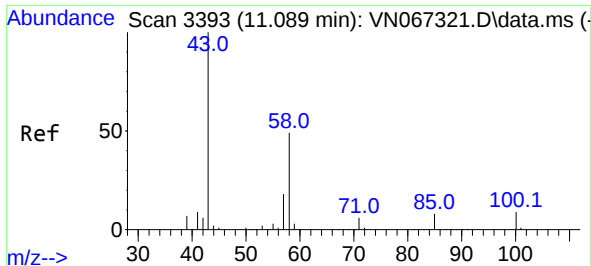
Tgt Ion: 98 Resp: 793030
Ion Ratio Lower Upper
98 100
100 63.1 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.638 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. -0.003 min
Lab File: VN067433.D
Acq: 22 Jun 2021 11:52

Tgt Ion: 43 Resp: 4769
Ion Ratio Lower Upper
43 100
58 29.8 28.6 43.0

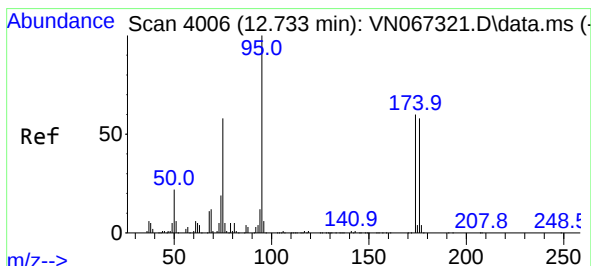
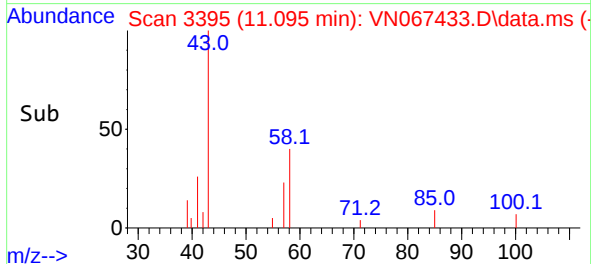
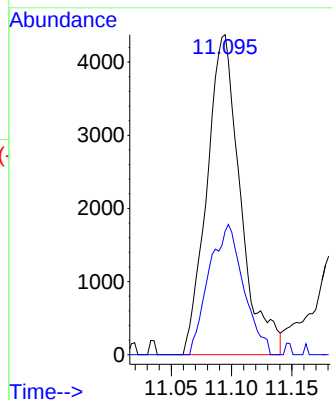
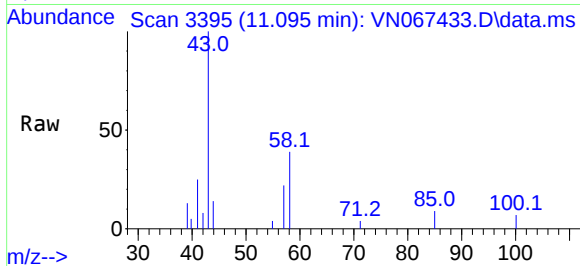




#59
2-Hexanone
Concen: 1.549 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.006 min
Lab File: VN067433.D
Acq: 22 Jun 2021 11:52

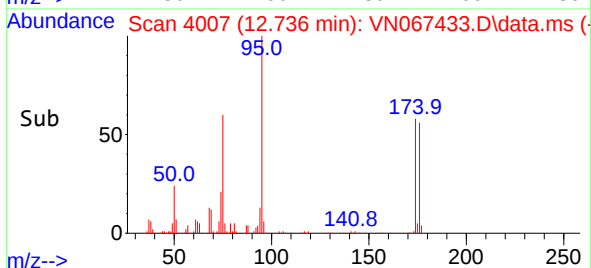
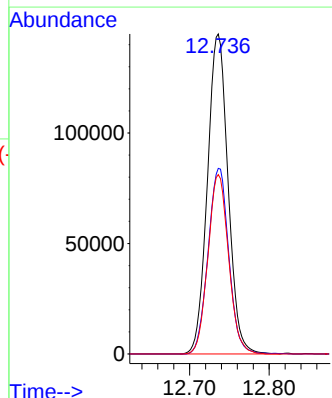
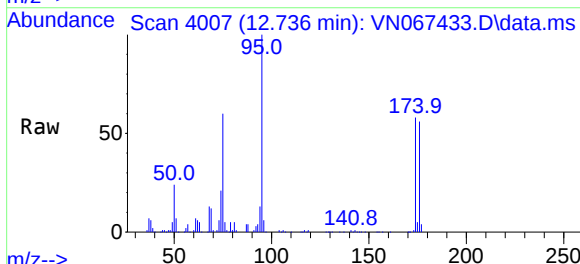
Instrument :
MSVOA_N
ClientSampled :

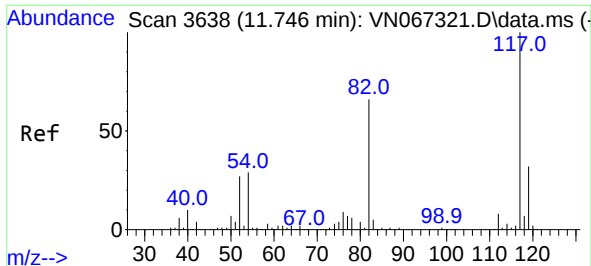
Tgt Ion: 43 Resp: 8478
Ion Ratio Lower Upper
43 100
58 42.0 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 40.794 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN067433.D
Acq: 22 Jun 2021 11:52

Tgt Ion: 95 Resp: 261268
Ion Ratio Lower Upper
95 100
174 58.2 0.0 122.0
176 56.0 0.0 117.6

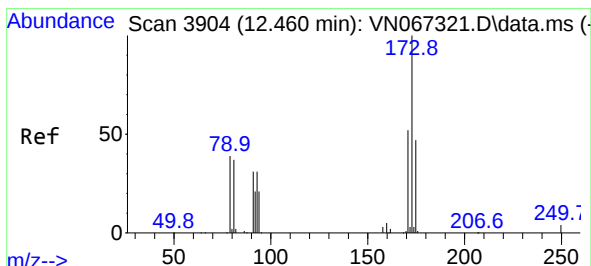
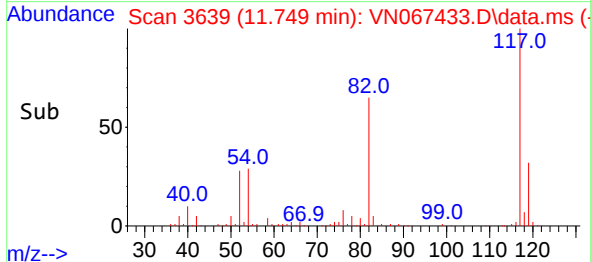
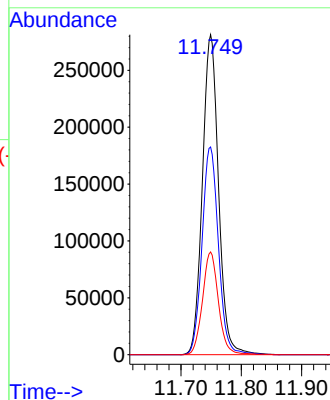
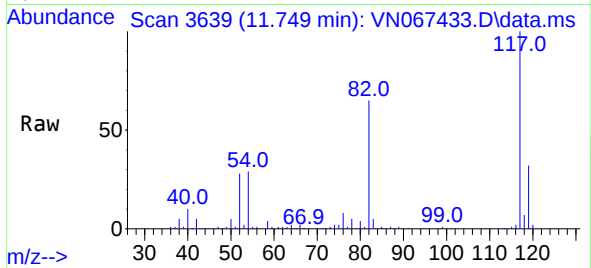




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067433.D
Acq: 22 Jun 2021 11:52

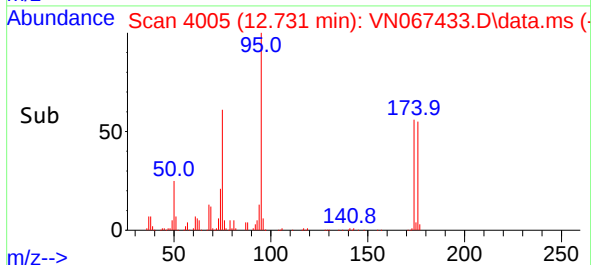
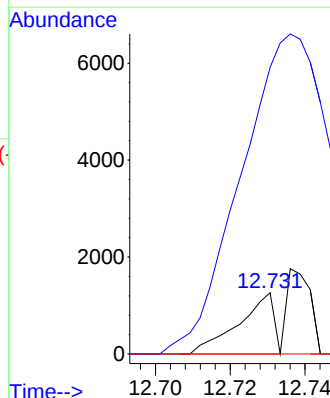
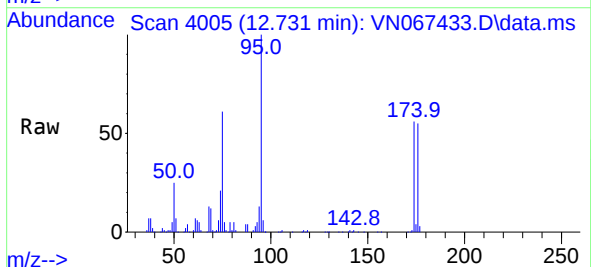
Instrument :
MSVOA_N
ClientSampled :

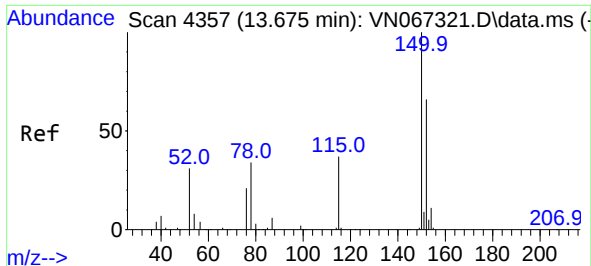
Tgt Ion:117 Resp: 523403
Ion Ratio Lower Upper
117 100
82 64.9 53.1 79.7
119 32.1 25.5 38.3



#71
Bromoform
Concen: 0.253 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.271 min
Lab File: VN067433.D
Acq: 22 Jun 2021 11:52

Tgt Ion:173 Resp: 821
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0

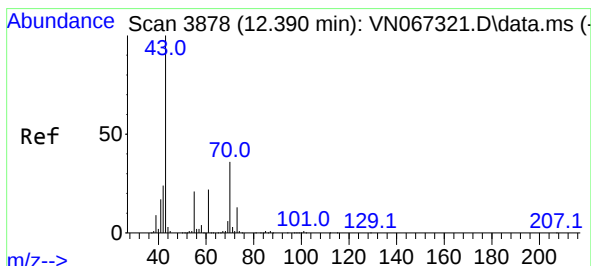
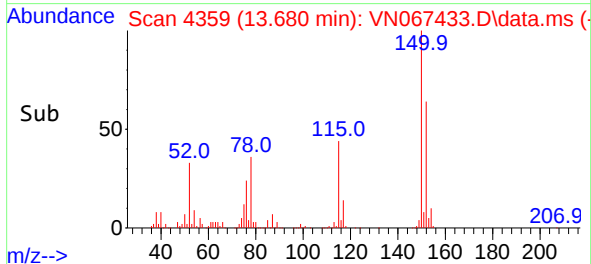
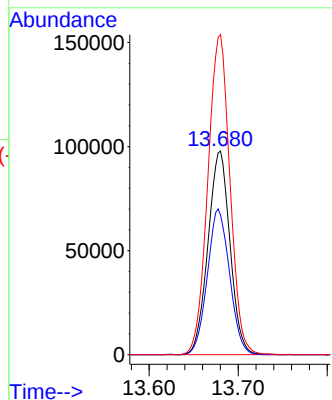
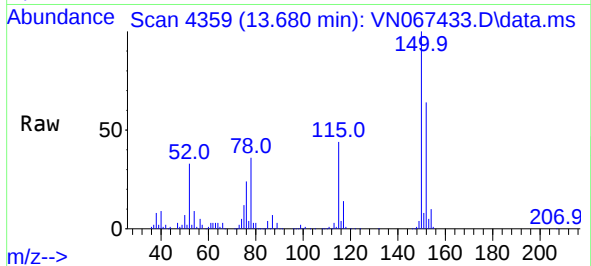




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.680 min Scan# 4359
Delta R.T. 0.005 min
Lab File: VN067433.D
Acq: 22 Jun 2021 11:52

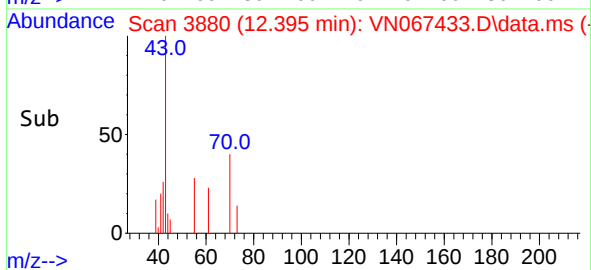
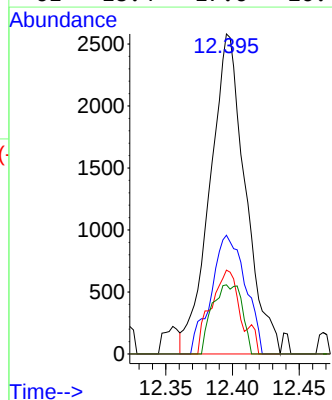
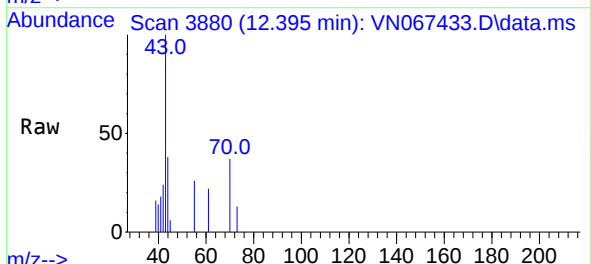
Instrument :
MSVOA_N
ClientSampled :

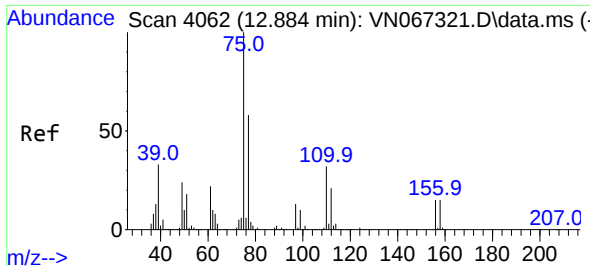
Tgt Ion:152 Resp: 167933
Ion Ratio Lower Upper
152 100
115 72.3 36.1 108.5
150 157.8 0.0 351.8



#74
N-ethyl acetate
Concen: 0.602 ug/l
RT: 12.395 min Scan# 3880
Delta R.T. 0.005 min
Lab File: VN067433.D
Acq: 22 Jun 2021 11:52

Tgt Ion: 43 Resp: 4738
Ion Ratio Lower Upper
43 100
70 36.0 29.4 44.2
55 22.0 17.0 25.4
61 18.4 17.6 26.4

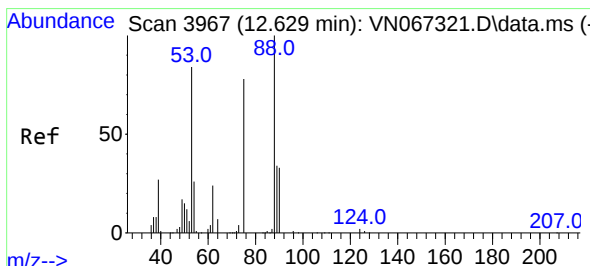
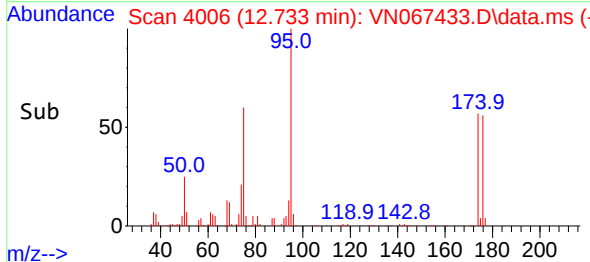
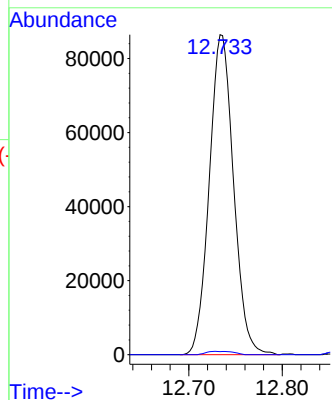
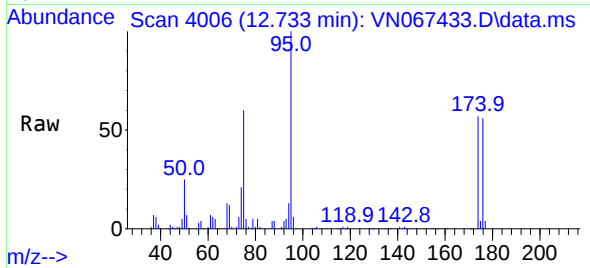




#76
1,2,3-Trichloropropane
Concen: 35.740 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067433.D
Acq: 22 Jun 2021 11:52

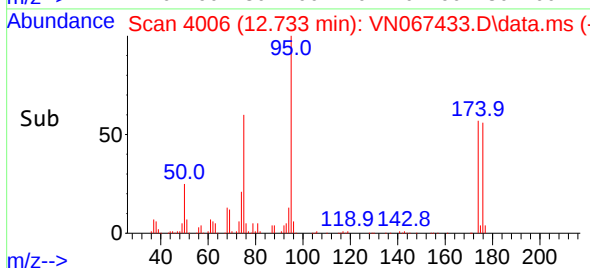
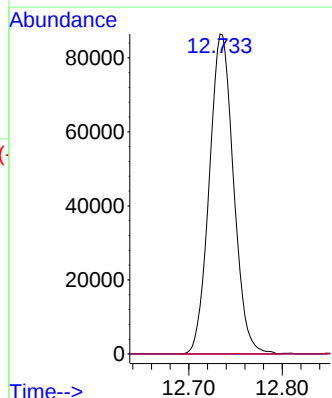
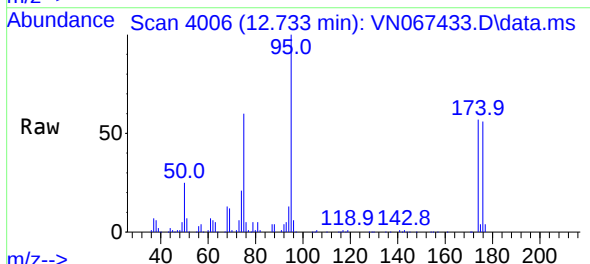
Instrument :
MSVOA_N
ClientSampled :

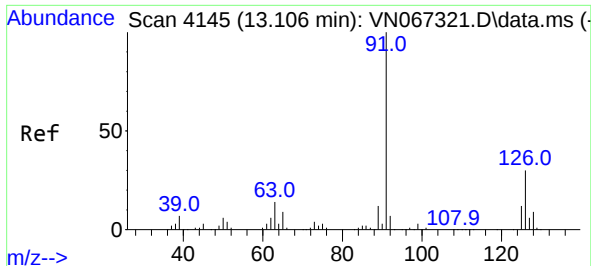
Tgt Ion: 75 Resp: 155862
Ion Ratio Lower Upper
75 100
77 0.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.576 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067433.D
Acq: 22 Jun 2021 11:52

Tgt Ion: 75 Resp: 155862
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

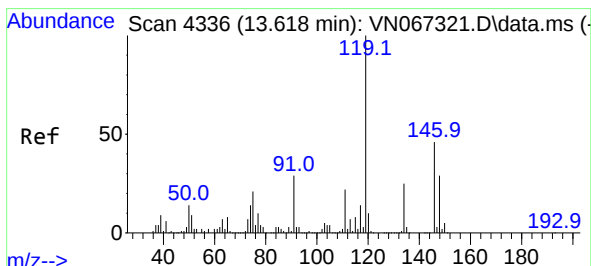
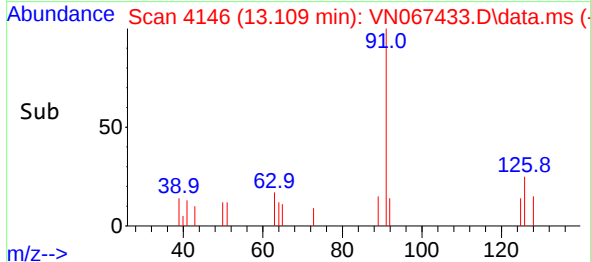
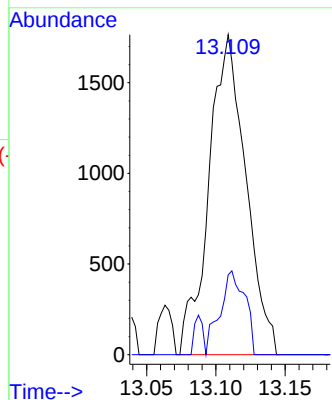
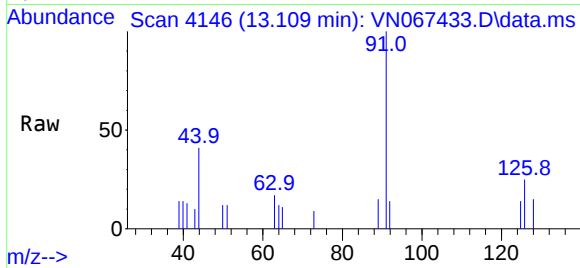




#82
4-Chlorotoluene
Concen: 0.276 ug/l
RT: 13.109 min Scan# 4146
Delta R.T. 0.003 min
Lab File: VN067433.D
Acq: 22 Jun 2021 11:52

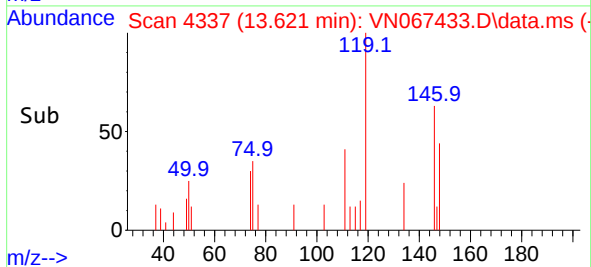
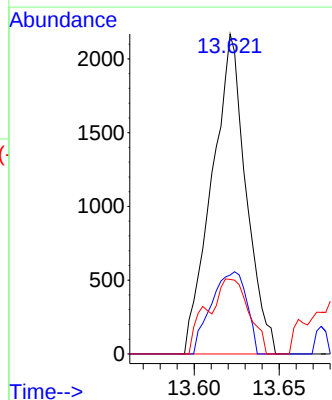
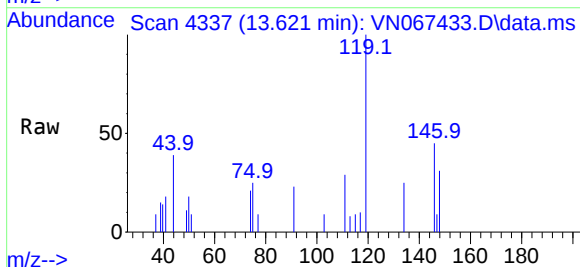
Instrument :
MSVOA_N
ClientSampled :

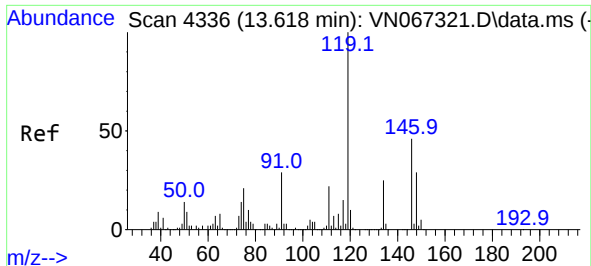
Tgt Ion: 91 Resp: 3277
Ion Ratio Lower Upper
91 100
126 17.6 14.8 44.4



#86
p-Isopropyltoluene
Concen: 0.245 ug/l
RT: 13.621 min Scan# 4337
Delta R.T. 0.003 min
Lab File: VN067433.D
Acq: 22 Jun 2021 11:52

Tgt Ion: 119 Resp: 3025
Ion Ratio Lower Upper
119 100
134 26.6 12.4 37.4
91 21.2 14.8 44.3

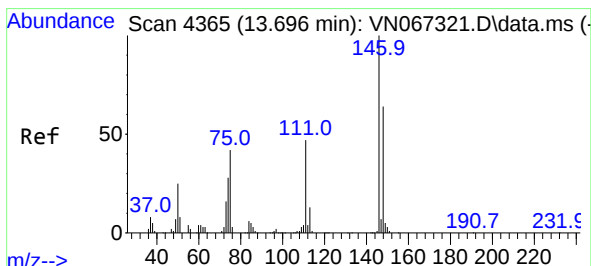
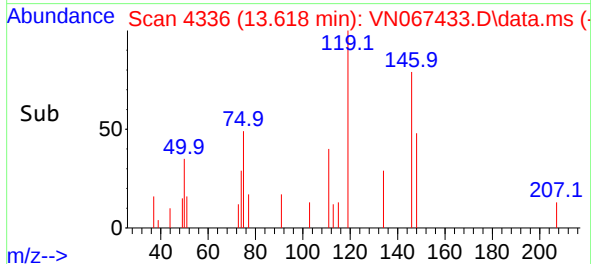
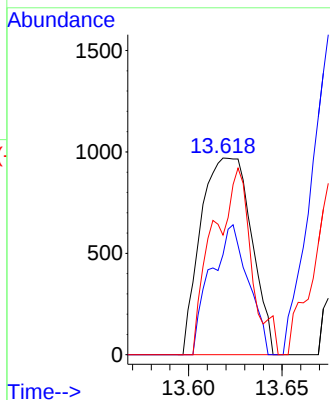
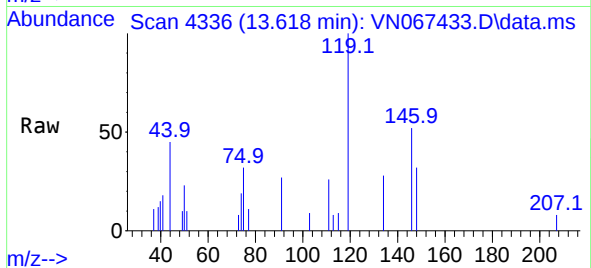




#87
1,3-Dichlorobenzene
Concen: 0.308 ug/l
RT: 13.618 min Scan# 4336
Delta R.T. 0.000 min
Lab File: VN067433.D
Acq: 22 Jun 2021 11:52

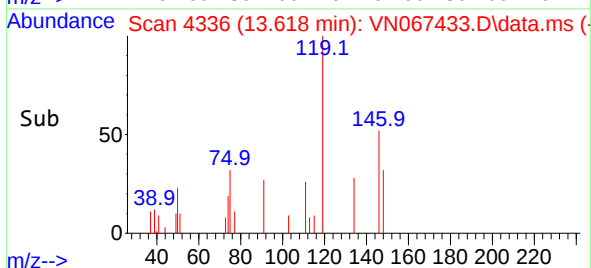
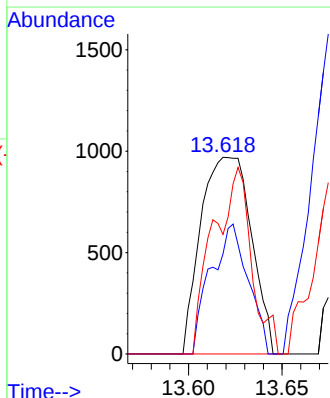
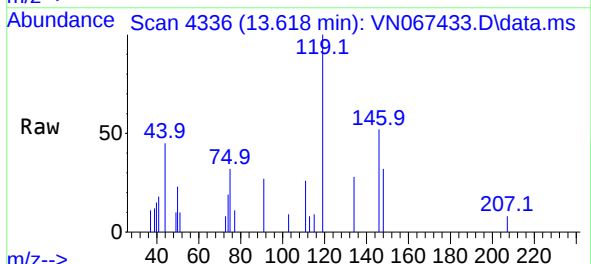
Instrument :
MSVOA_N
ClientSampled :

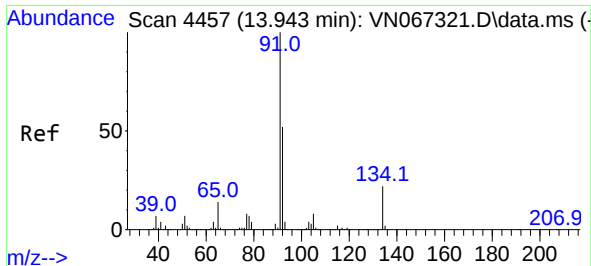
Tgt Ion:146 Resp: 1826
Ion Ratio Lower Upper
146 100
111 48.8 24.3 72.8
148 71.7 32.0 96.0



#88
1,4-Dichlorobenzene
Concen: 0.307 ug/l
RT: 13.618 min Scan# 4336
Delta R.T. -0.078 min
Lab File: VN067433.D
Acq: 22 Jun 2021 11:52

Tgt Ion:146 Resp: 1826
Ion Ratio Lower Upper
146 100
111 48.8 23.4 70.2
148 71.7 31.8 95.3

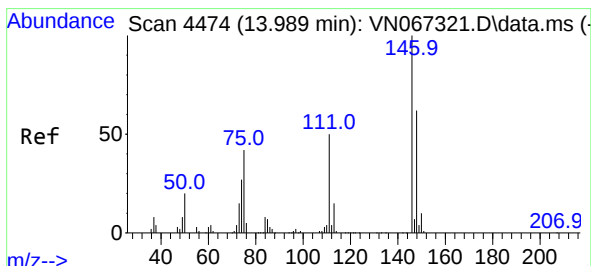
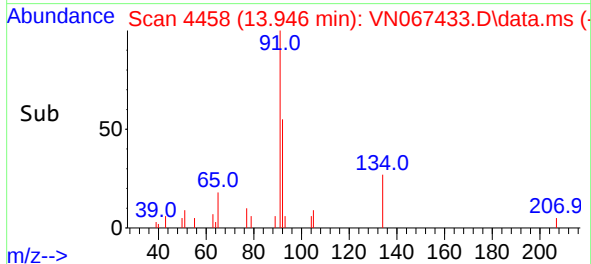
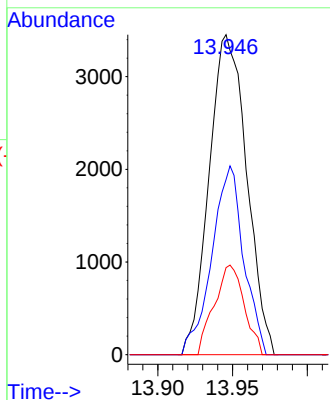
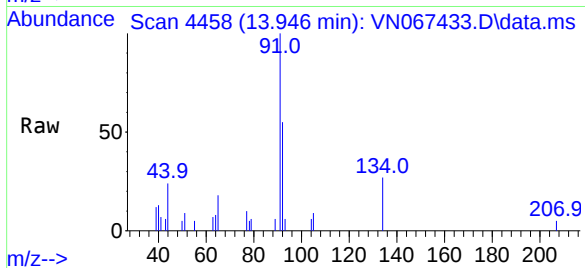




#89
n-Butylbenzene
Concen: 0.520 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. 0.003 min
Lab File: VN067433.D
Acq: 22 Jun 2021 11:52

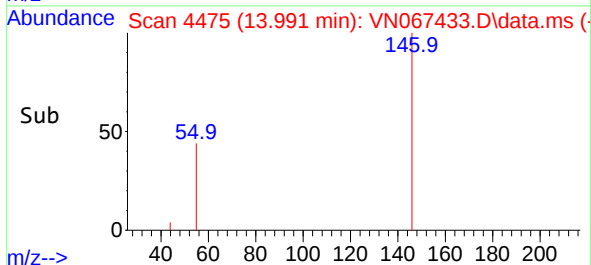
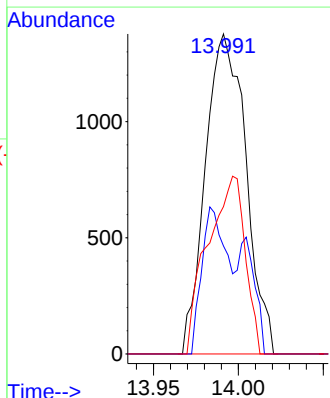
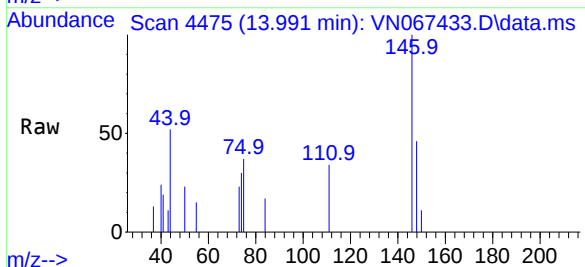
Instrument :
MSVOA_N
ClientSampled :

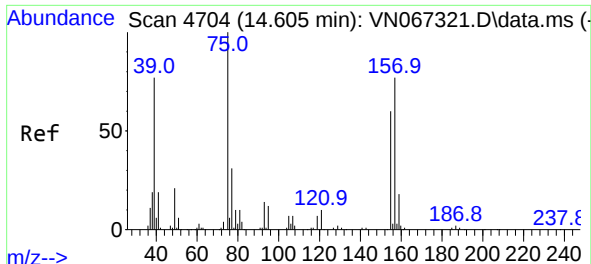
Tgt Ion: 91 Resp: 6031
Ion Ratio Lower Upper
91 100
92 50.1 25.7 77.1
134 22.3 11.2 33.6



#91
1,2-Dichlorobenzene
Concen: 0.407 ug/l
RT: 13.991 min Scan# 4475
Delta R.T. 0.002 min
Lab File: VN067433.D
Acq: 22 Jun 2021 11:52

Tgt Ion: 146 Resp: 2284
Ion Ratio Lower Upper
146 100
111 13.2 24.9 74.6#
148 51.3 31.6 95.0

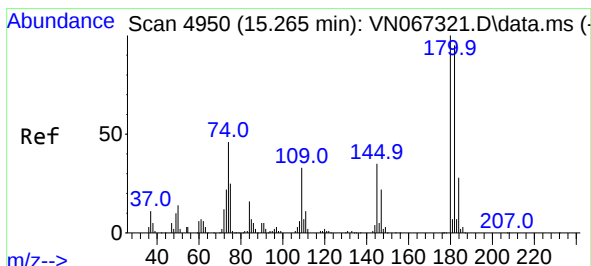
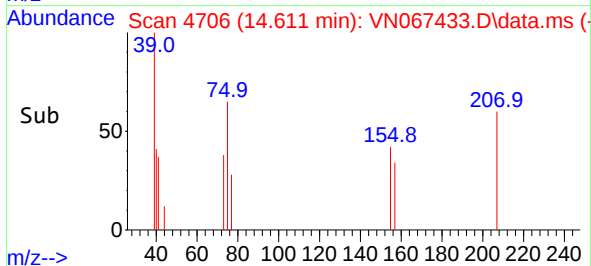
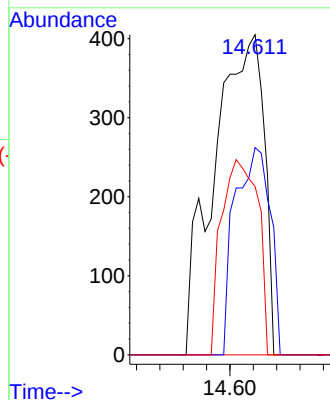
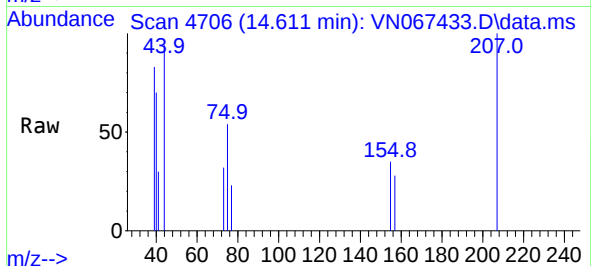




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.500 ug/l
RT: 14.611 min Scan# 4706
Delta R.T. 0.006 min
Lab File: VN067433.D
Acq: 22 Jun 2021 11:52

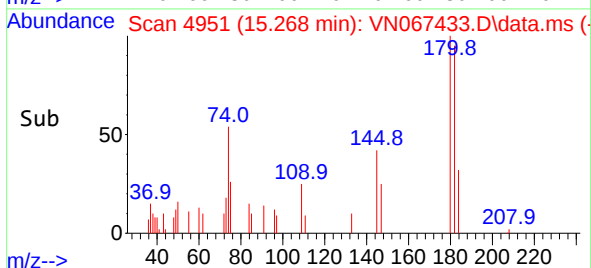
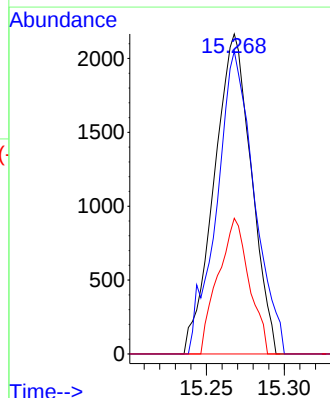
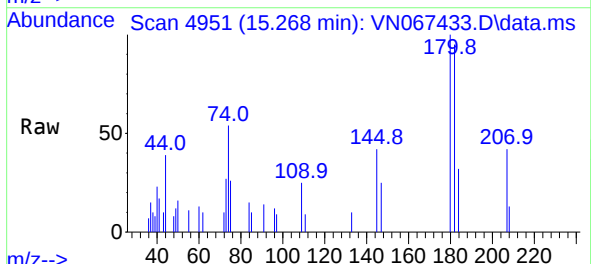
Instrument :
MSVOA_N
ClientSampled :

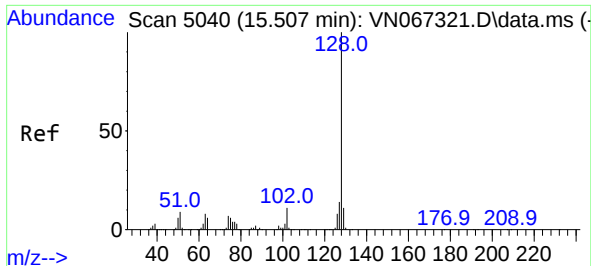
Tgt Ion: 75 Resp: 601
Ion Ratio Lower Upper
75 100
155 45.6 29.8 89.5
157 44.6 37.6 112.8



#93
1,2,4-Trichlorobenzene
Concen: 1.224 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN067433.D
Acq: 22 Jun 2021 11:52

Tgt Ion:180 Resp: 3589
Ion Ratio Lower Upper
180 100
182 95.2 47.5 142.5
145 35.4 17.2 51.6

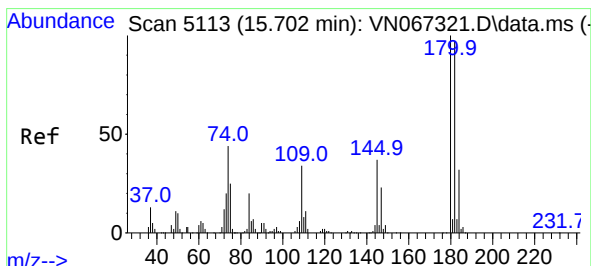
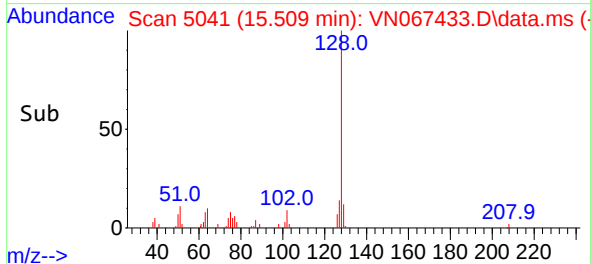
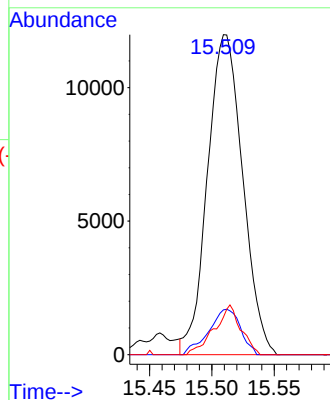
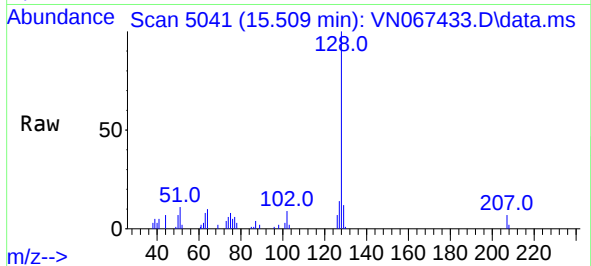




#95
Naphthalene
Concen: 4.793 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN067433.D
Acq: 22 Jun 2021 11:52

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:	128	Resp:	23522
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.6	15.8
129	11.7	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 1.758 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN067433.D
Acq: 22 Jun 2021 11:52

Tgt Ion:	180	Resp:	4948
Ion Ratio	Lower	Upper	
180	100		
182	105.7	47.8	143.3
145	39.5	18.2	54.6

