

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120821\
 Data File : VN069884.D
 Acq On : 9 Dec 2021 1:48
 Operator : JC/MD
 Sample : PB141231ZHE#09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB141231ZHE#09

Quant Time: Dec 09 11:54:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

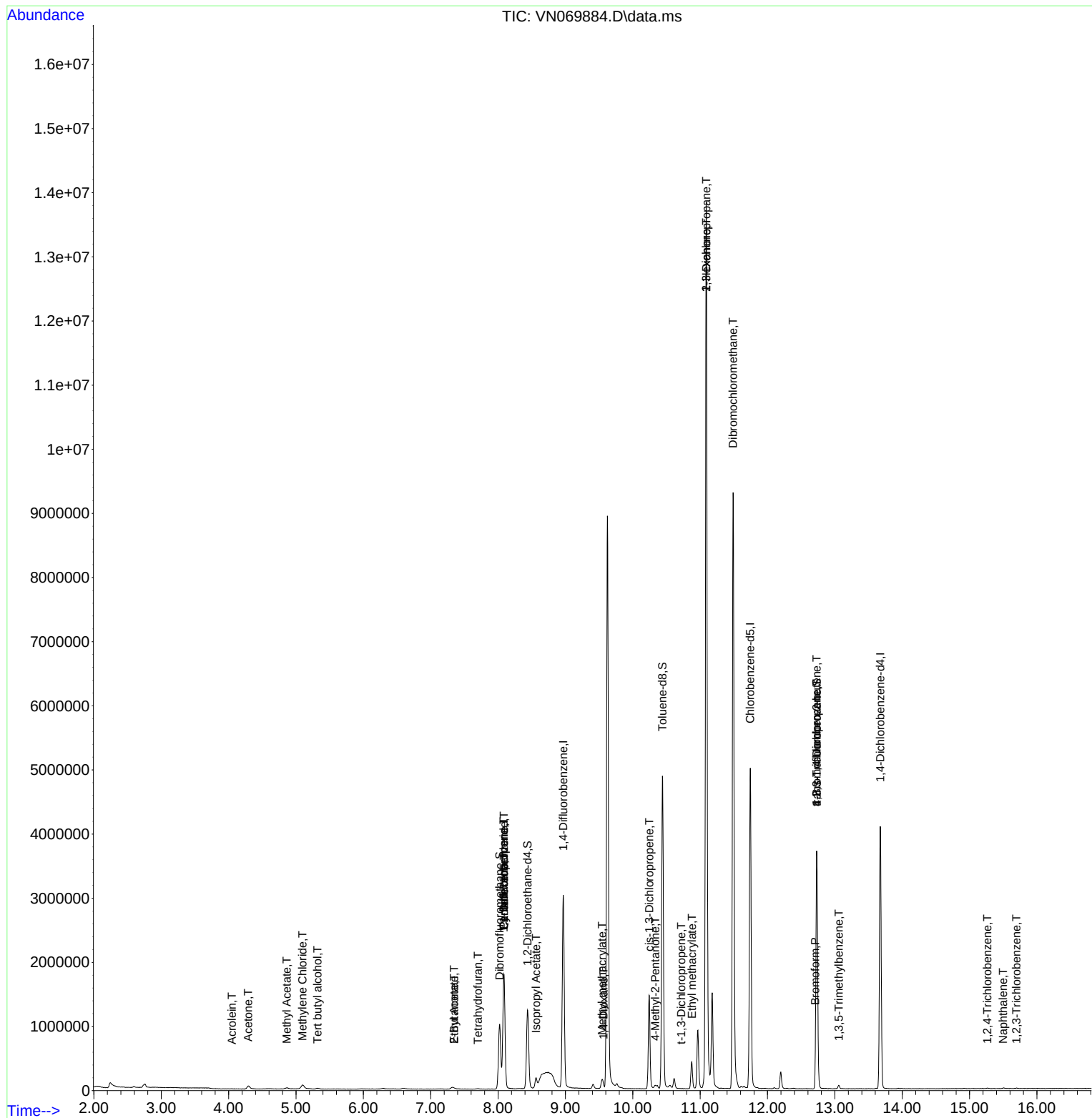
Internal Standards						
1) Pentafluorobenzene	8.086	168	1338883	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2486174	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2763584	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1099451	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1072591	51.885	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.780%			
35) Dibromofluoromethane	8.021	113	734445	47.162	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 94.320%			
50) Toluene-d8	10.440	98	3274578	52.368	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.740%			
62) 4-Bromofluorobenzene	12.731	95	1303451	57.539	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 115.080%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.318	59	7288	1.865	ug/l #	71
13) Acrolein	4.049	56	1009	0.303	ug/l #	65
16) Acetone	4.291	43	88198	7.093	ug/l	100
18) Methyl Acetate	4.862	43	38906	1.037	ug/l #	90
20) Methylene Chloride	5.095	84	42527	2.573	ug/l	86
25) 2-Butanone	7.348	43	18196	1.077	ug/l	98
29) Tetrahydrofuran	7.699	42	2646	0.258	ug/l #	61
31) Cyclohexane	8.088	56	33170	1.153	ug/l #	27
36) 1,1-Dichloropropene	8.083	75	114061	4.819	ug/l #	49
37) Ethyl Acetate	7.348	43	18196	0.517	ug/l #	68
38) Carbon Tetrachloride	8.088	117	136505	5.882	ug/l #	17
43) Isopropyl Acetate	8.563	43	195311	3.747	ug/l #	83
48) Methyl methacrylate	9.545	41	42200	1.735	ug/l #	9
49) 1,4-Dioxane	9.566	88	274	0.628	ug/l #	27
51) 4-Methyl-2-Pentanone	10.333	43	25611	0.757	ug/l	91
53) t-1,3-Dichloropropene	10.719	75	424	2.808	ug/l #	83
54) cis-1,3-Dichloropropene	10.245	75	235154	9.412	ug/l #	71
56) Ethyl methacrylate	10.878	69	2437	2.348	ug/l #	1
57) 1,3-Dichloropropane	11.089	76	135022	4.303	ug/l #	43
59) 2-Hexanone	11.089	43	2457288	96.056	ug/l #	48
60) Dibromochloromethane	11.489	129	1539	2.453	ug/l #	11
71) Bromoform	12.709	173	486	2.758	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	734532	23.297	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.061	105	25563	0.325	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.731	75	734532	74.115	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.265	180	2391	3.003	ug/l #	81
95) Naphthalene	15.499	128	5297	4.076	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.697	180	2494	2.571	ug/l	92

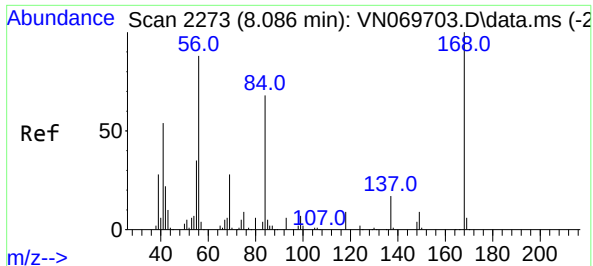
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00mL/MSVOA_N/WATER
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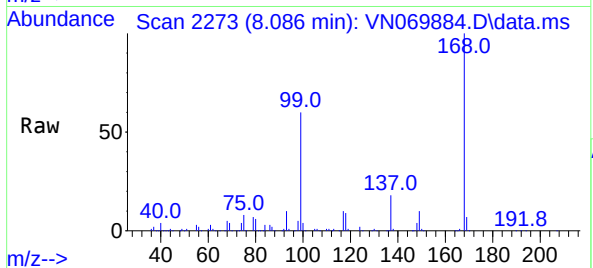
Quant Time: Dec 09 11:54:02 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
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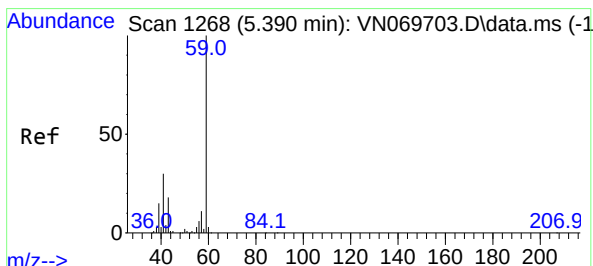
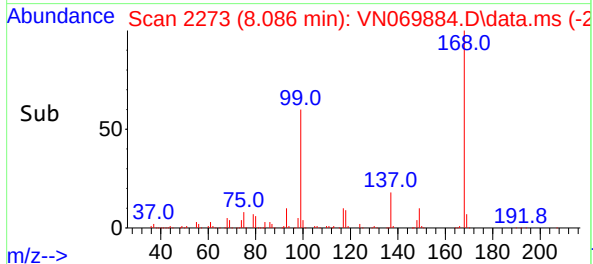
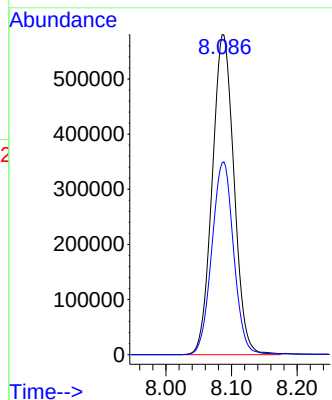


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069884.D
Acq: 9 Dec 2021 1:48

Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#09

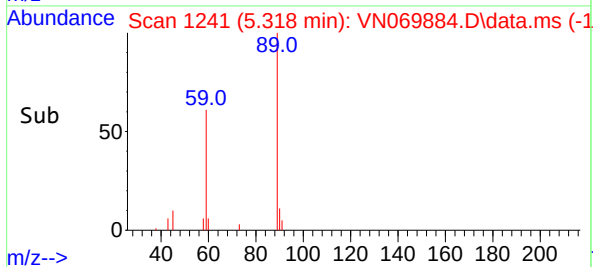
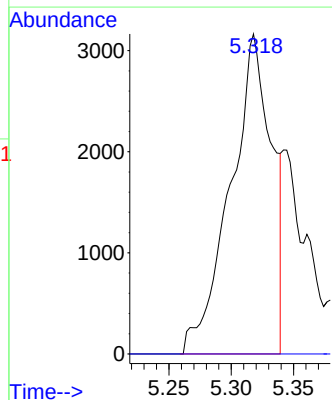
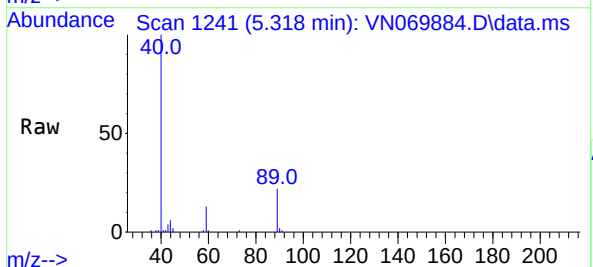


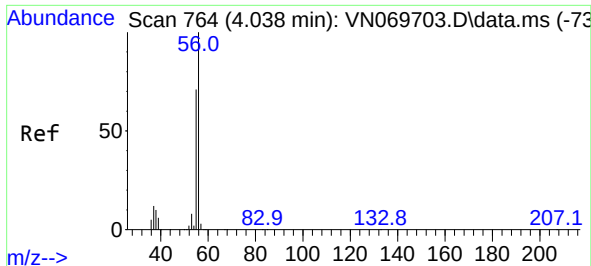
Tgt Ion:168 Resp: 1338883
Ion Ratio Lower Upper
168 100
99 59.9 41.3 61.9



#11
Tert butyl alcohol
Concen: 1.865 ug/l
RT: 5.318 min Scan# 1241
Delta R.T. -0.072 min
Lab File: VN069884.D
Acq: 9 Dec 2021 1:48

Tgt Ion: 59 Resp: 7288
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

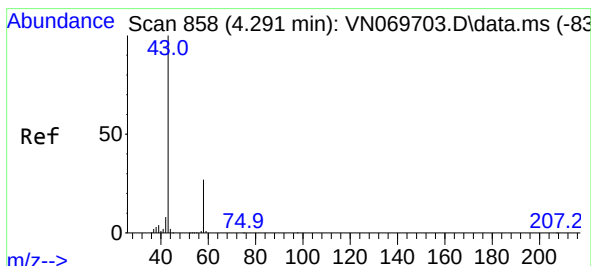
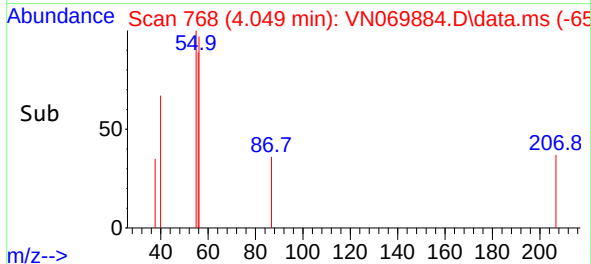
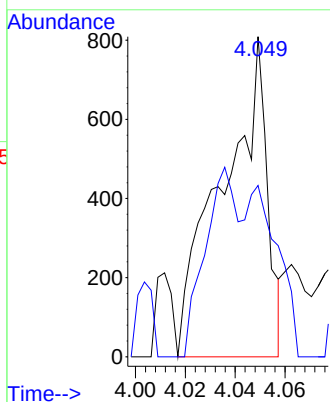
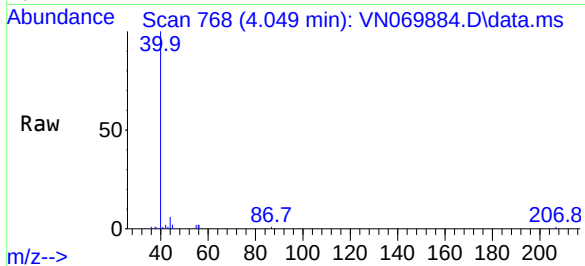




#13
Acrolein
Concen: 0.303 ug/l
RT: 4.049 min Scan# 768
Delta R.T. 0.011 min
Lab File: VN069884.D
Acq: 9 Dec 2021 1:48

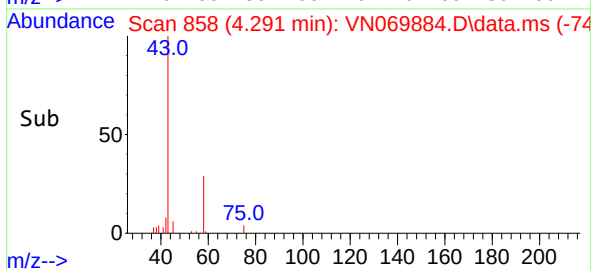
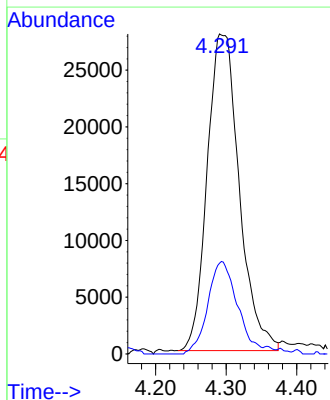
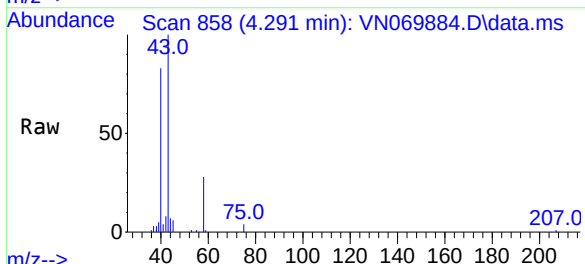
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#09

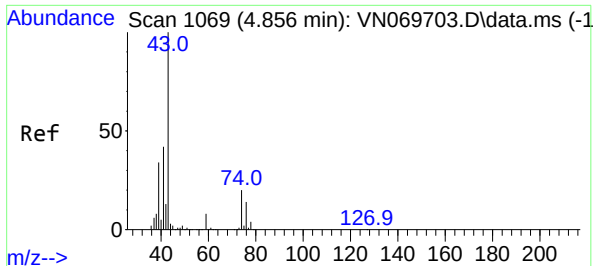
Tgt Ion: 56 Resp: 1009
Ion Ratio Lower Upper
56 100
55 41.9 56.6 85.0#



#16
Acetone
Concen: 7.093 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.000 min
Lab File: VN069884.D
Acq: 9 Dec 2021 1:48

Tgt Ion: 43 Resp: 88198
Ion Ratio Lower Upper
43 100
58 28.7 23.1 34.7

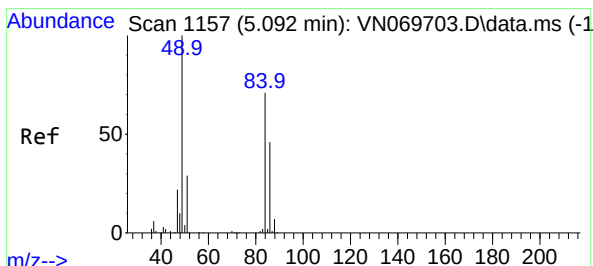
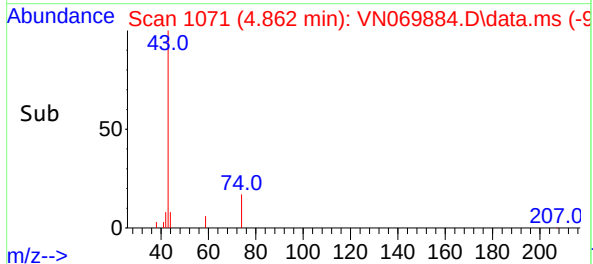
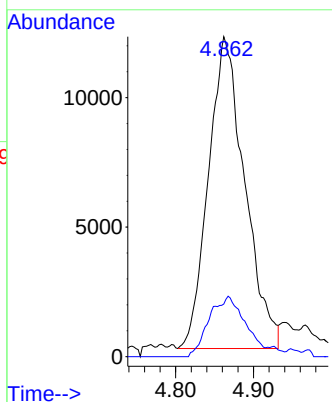
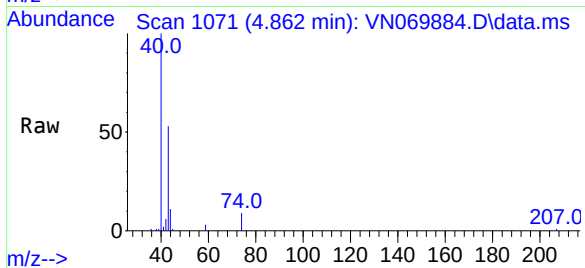




#18
Methyl Acetate
Concen: 1.037 ug/l
RT: 4.862 min Scan# 1069
Delta R.T. 0.005 min
Lab File: VN069884.D
Acq: 9 Dec 2021 1:48

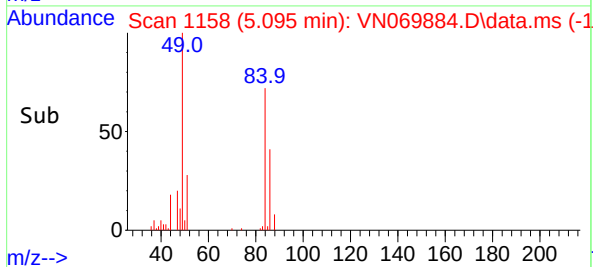
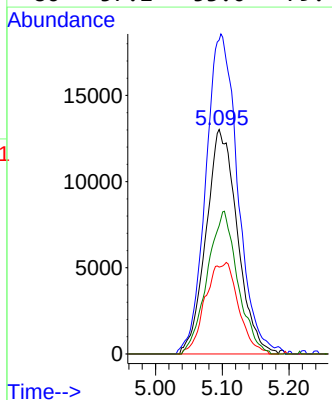
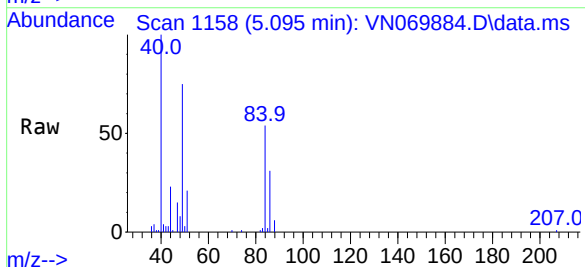
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#09

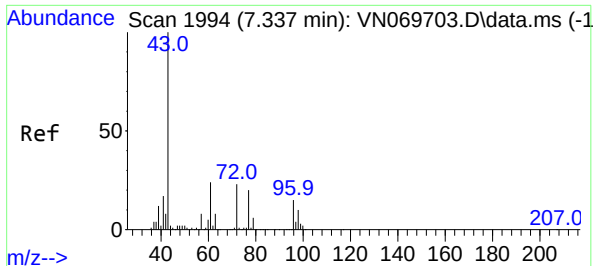
Tgt Ion: 43 Resp: 38906
Ion Ratio Lower Upper
43 100
74 19.3 19.4 29.2#



#20
Methylene Chloride
Concen: 2.573 ug/l
RT: 5.095 min Scan# 1158
Delta R.T. 0.003 min
Lab File: VN069884.D
Acq: 9 Dec 2021 1:48

Tgt Ion: 84 Resp: 42527
Ion Ratio Lower Upper
84 100
49 138.2 93.5 140.3
51 38.7 29.4 44.2
86 57.2 53.0 79.4

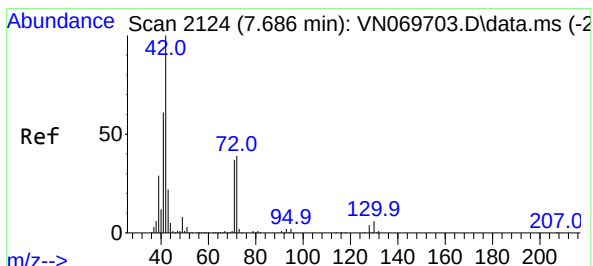
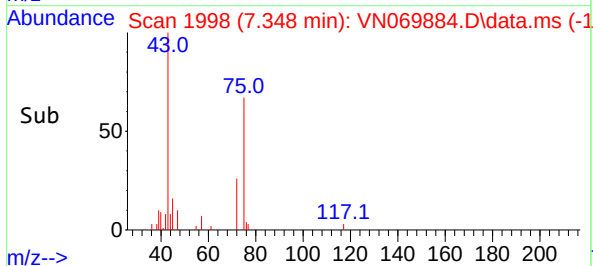
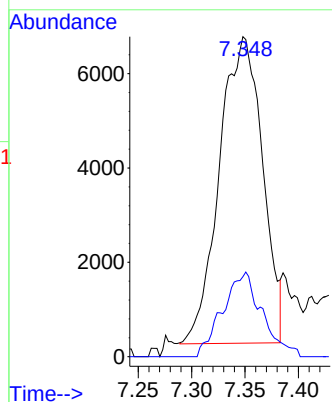
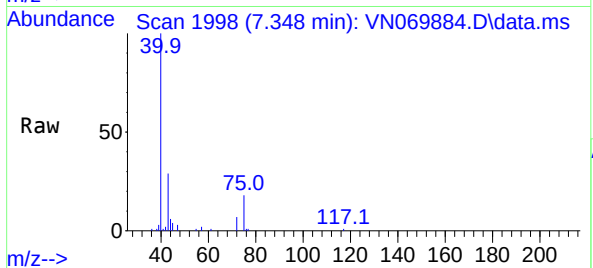




#25
2-Butanone
Concen: 1.077 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.011 min
Lab File: VN069884.D
Acq: 9 Dec 2021 1:48

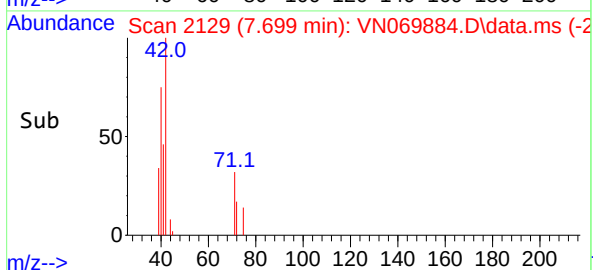
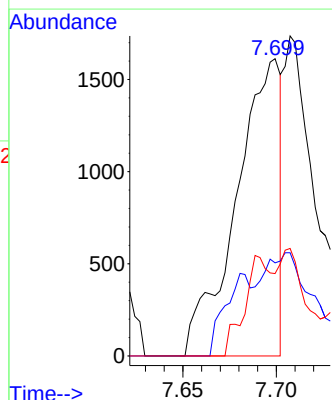
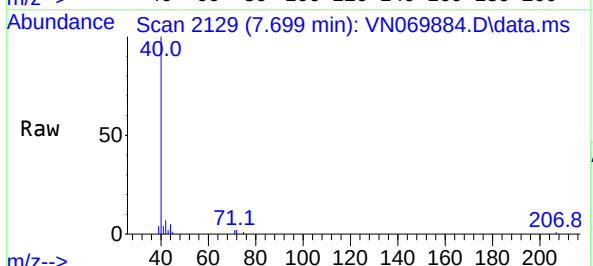
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#09

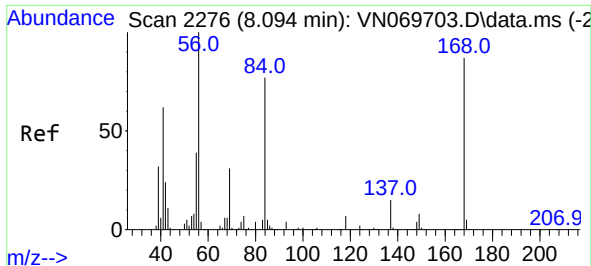
Tgt Ion: 43 Resp: 18196
Ion Ratio Lower Upper
43 100
72 26.2 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.258 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.013 min
Lab File: VN069884.D
Acq: 9 Dec 2021 1:48

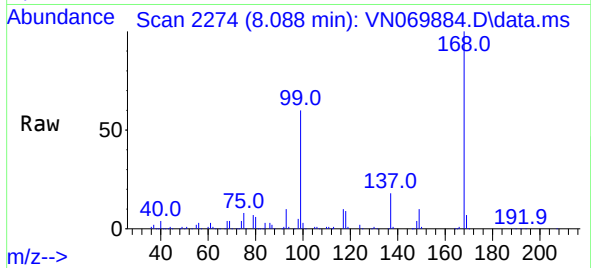
Tgt Ion: 42 Resp: 2646
Ion Ratio Lower Upper
42 100
72 24.9 36.3 54.5#
71 12.8 34.7 52.1#



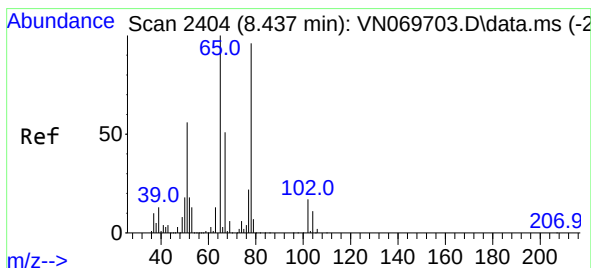
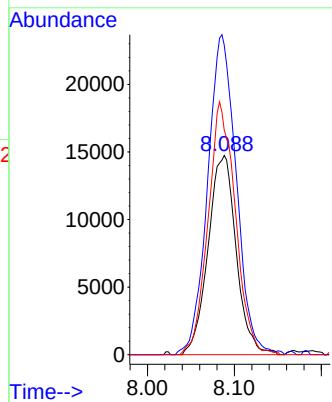
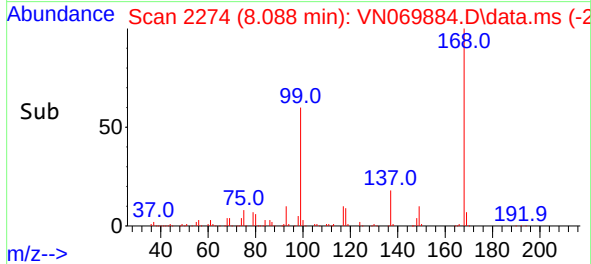


#31
Cyclohexane
Concen: 1.153 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.005 min
Lab File: VN069884.D
Acq: 9 Dec 2021 1:48

Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#09

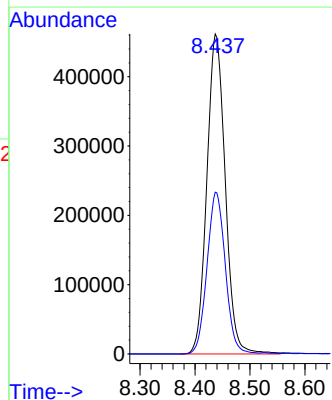
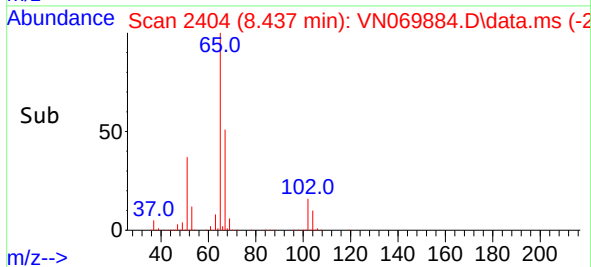
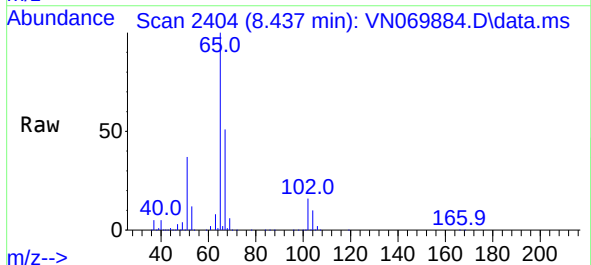


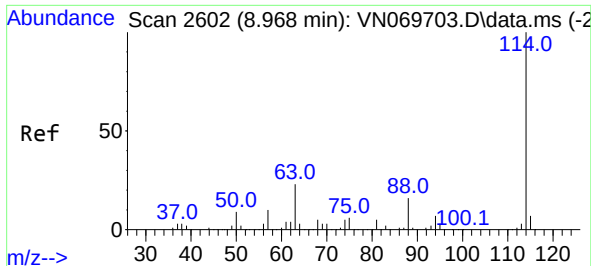
Tgt Ion: 56 Resp: 33170
Ion Ratio Lower Upper
56 100
69 153.8 27.1 40.7#
84 112.9 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 51.885 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN069884.D
Acq: 9 Dec 2021 1:48

Tgt Ion: 65 Resp: 1072591
Ion Ratio Lower Upper
65 100
67 50.3 0.0 103.0

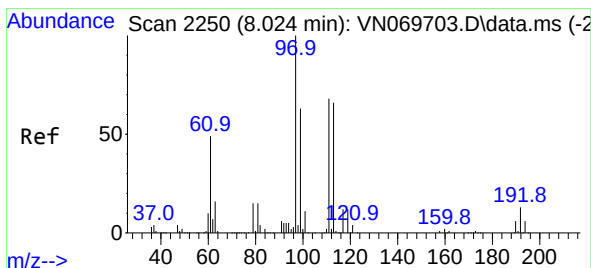
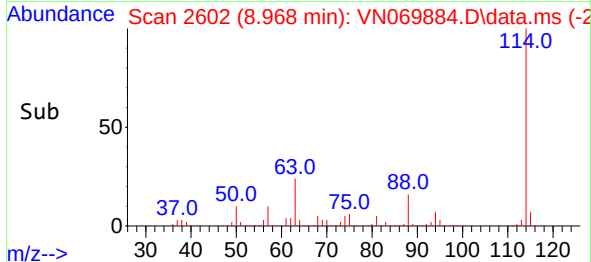
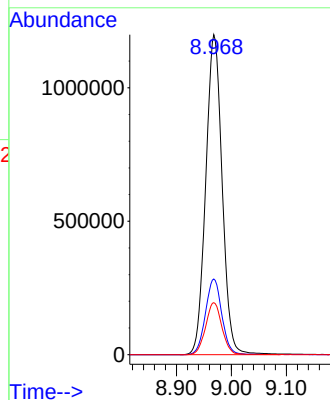
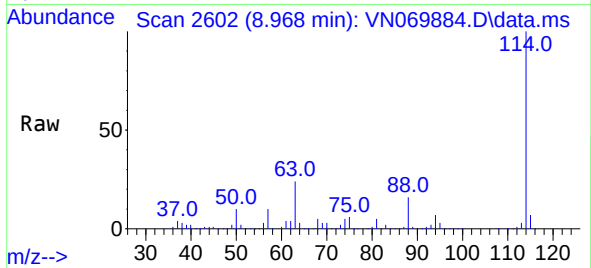




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069884.D
Acq: 9 Dec 2021 1:48

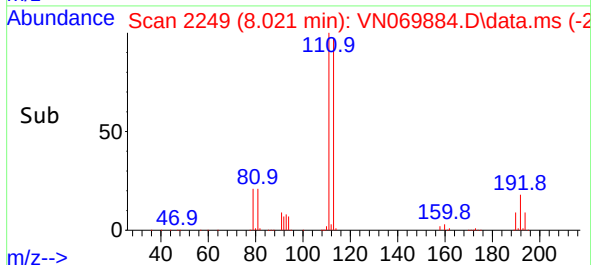
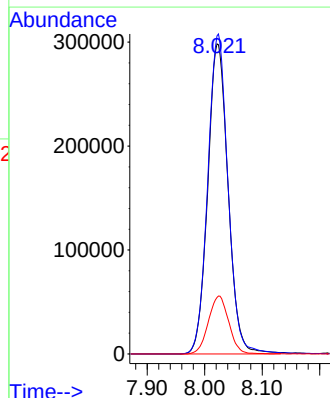
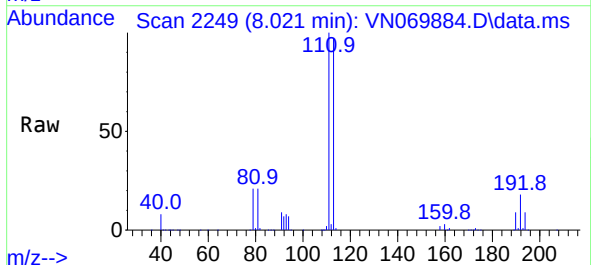
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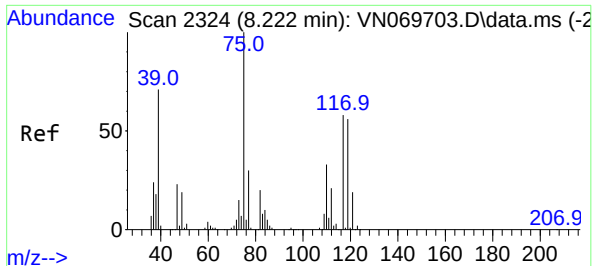
Tgt Ion:114 Resp: 2486174
Ion Ratio Lower Upper
114 100
63 23.7 0.0 37.8
88 16.3 0.0 27.4



#35
Dibromofluoromethane
Concen: 47.162 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. -0.003 min
Lab File: VN069884.D
Acq: 9 Dec 2021 1:48

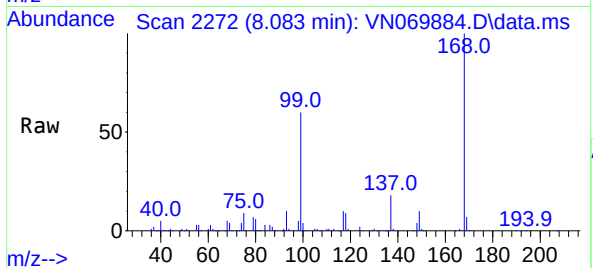
Tgt Ion:113 Resp: 734445
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.2
192 18.7 16.9 25.3



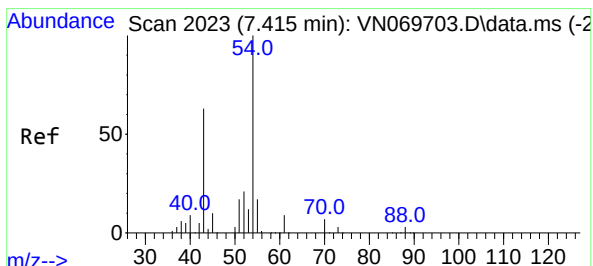
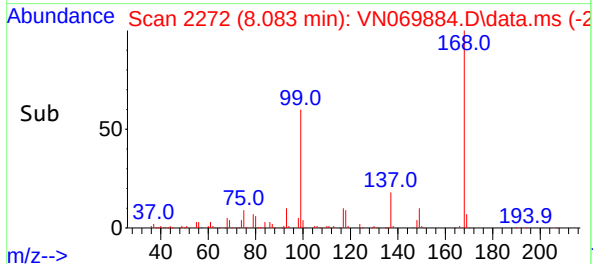
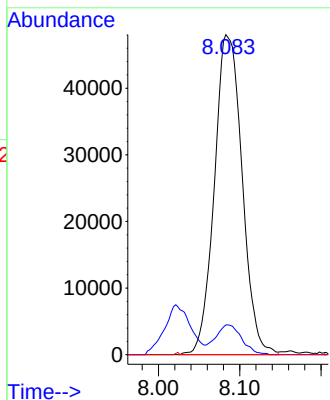


#36
1,1-Dichloropropene
Concen: 4.819 ug/l
RT: 8.083 min Scan# 211
Delta R.T. -0.139 min
Lab File: VN069884.D
Acq: 9 Dec 2021 1:48

Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#09

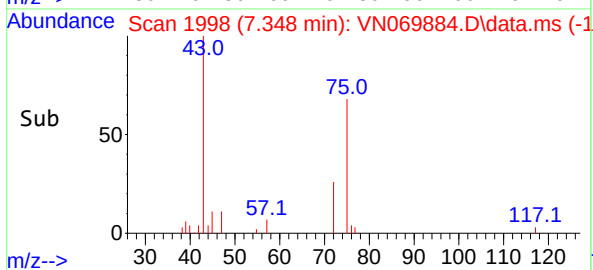
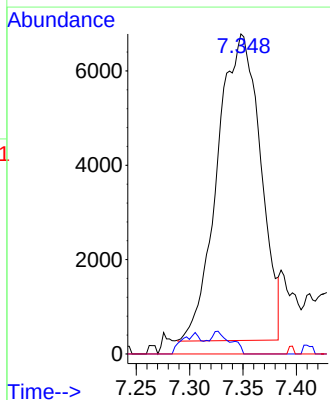
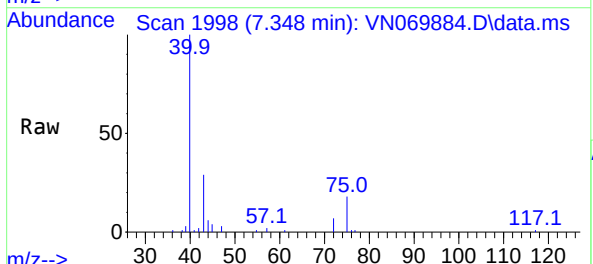


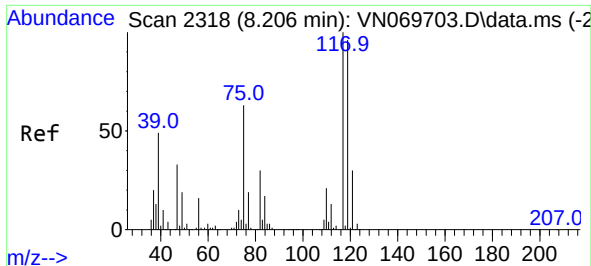
Tgt Ion: 75 Resp: 114061
Ion Ratio Lower Upper
75 100
110 8.8 18.4 55.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.517 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. -0.067 min
Lab File: VN069884.D
Acq: 9 Dec 2021 1:48

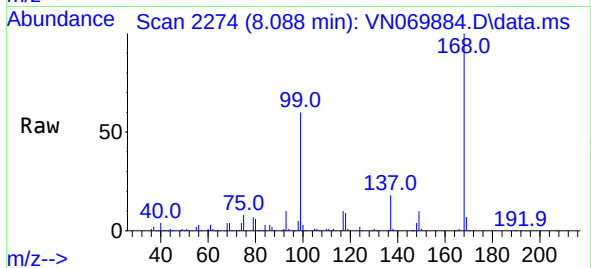
Tgt Ion: 43 Resp: 18196
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#



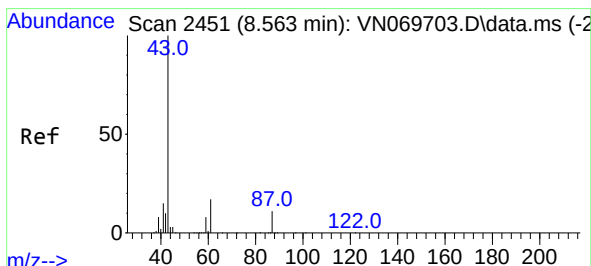
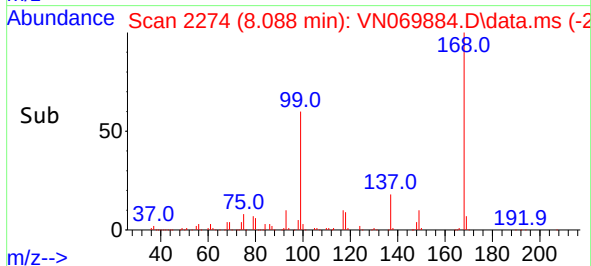
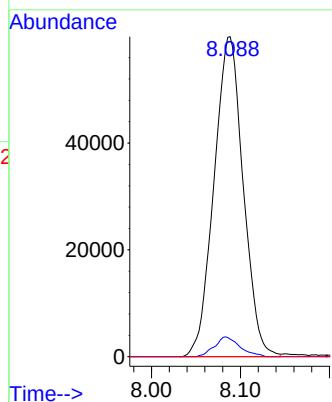


#38
Carbon Tetrachloride
Concen: 5.882 ug/l
RT: 8.088 min Scan# 211
Delta R.T. -0.118 min
Lab File: VN069884.D
Acq: 9 Dec 2021 1:48

Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#09

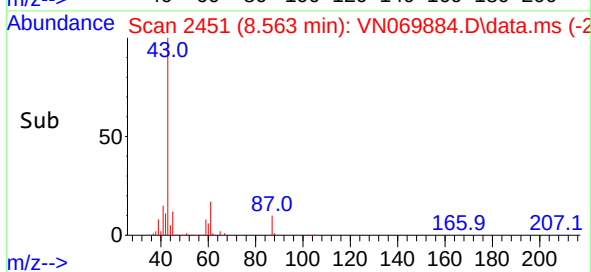
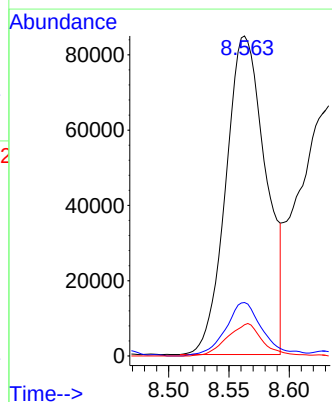
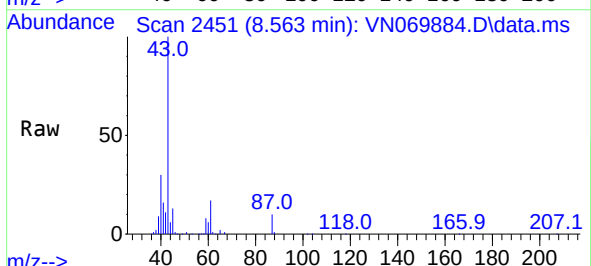


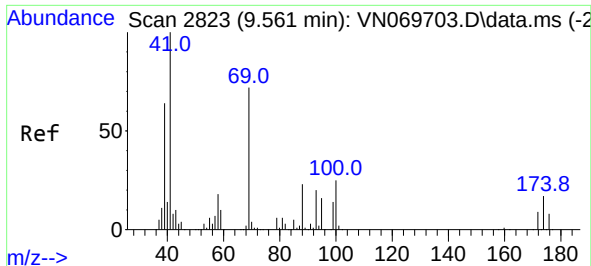
Tgt Ion:117 Resp: 136505
Ion Ratio Lower Upper
117 100
119 5.5 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.747 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.000 min
Lab File: VN069884.D
Acq: 9 Dec 2021 1:48

Tgt Ion: 43 Resp: 195311
Ion Ratio Lower Upper
43 100
61 15.7 20.4 30.6#
87 9.1 11.2 16.8#

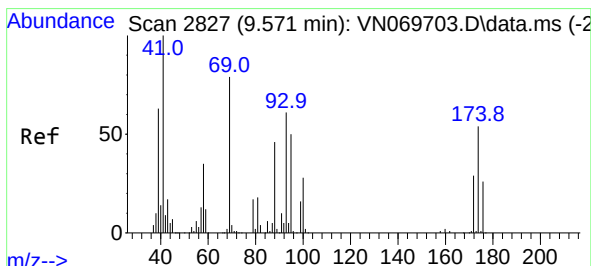
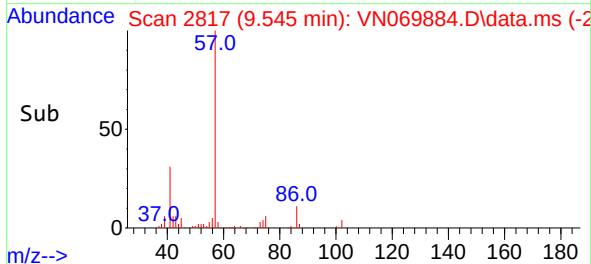
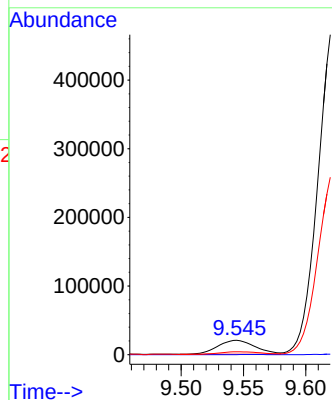
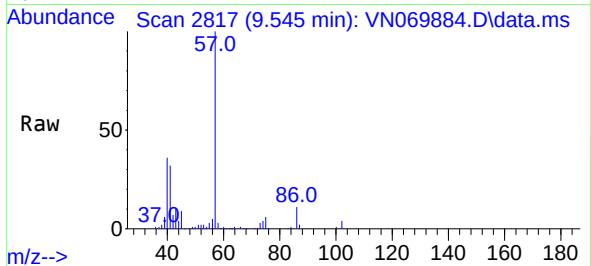




#48
Methyl methacrylate
Concen: 1.735 ug/l
RT: 9.545 min Scan# 21
Delta R.T. -0.016 min
Lab File: VN069884.D
Acq: 9 Dec 2021 1:48

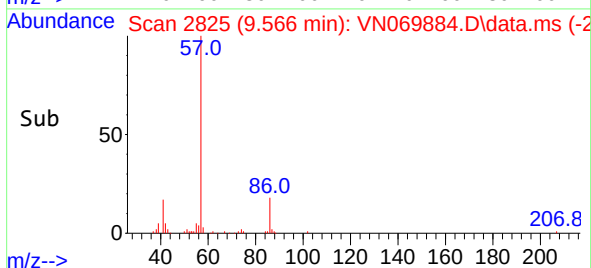
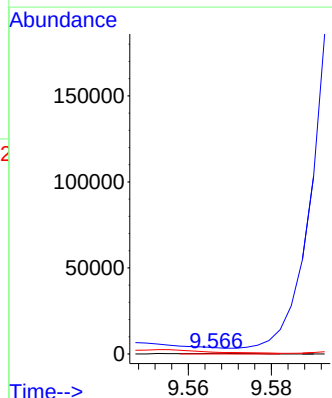
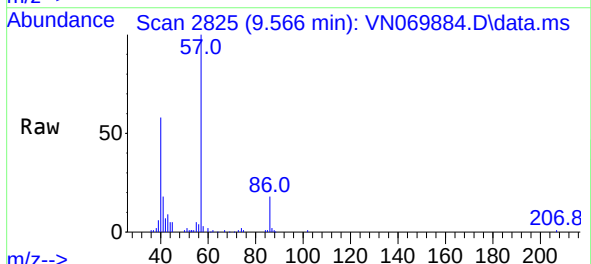
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#09

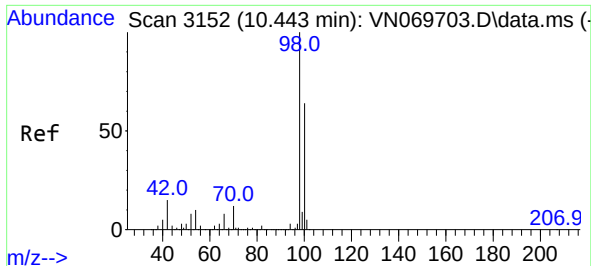
Tgt Ion: 41 Resp: 42200
Ion Ratio Lower Upper
41 100
69 0.6 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 0.628 ug/l
RT: 9.566 min Scan# 2825
Delta R.T. -0.005 min
Lab File: VN069884.D
Acq: 9 Dec 2021 1:48

Tgt Ion: 88 Resp: 274
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 50.6 75.8#

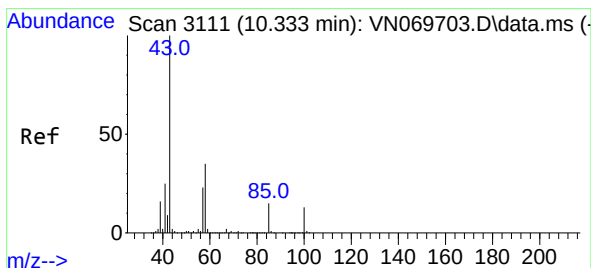
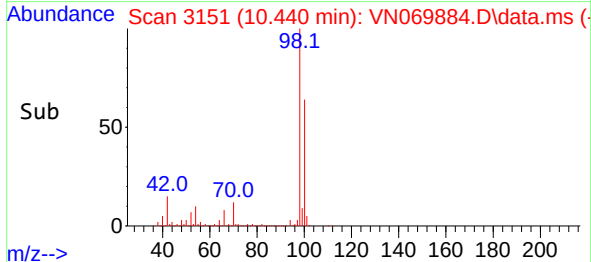
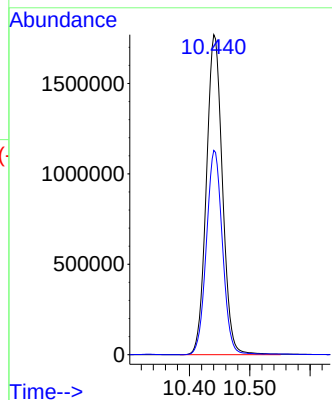
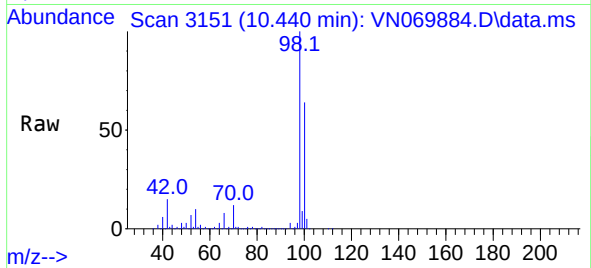




#50
Toluene-d8
Concen: 52.368 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VN069884.D
Acq: 9 Dec 2021 1:48

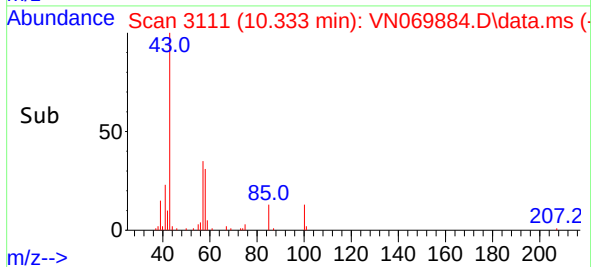
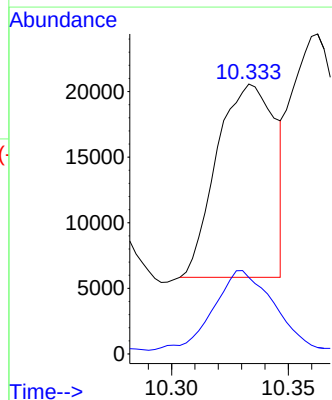
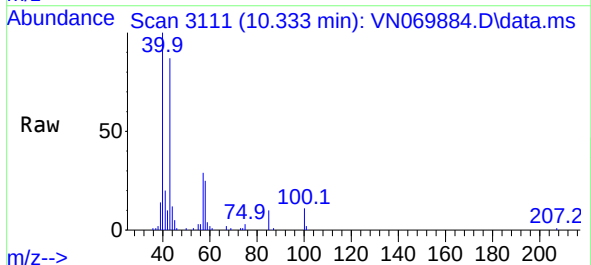
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#09

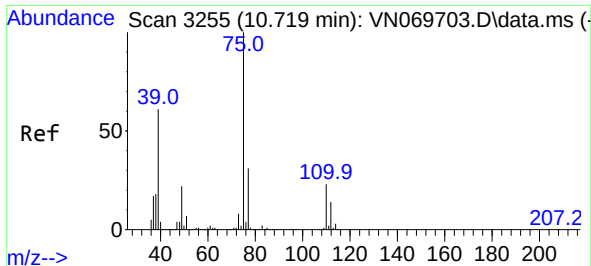
Tgt Ion: 98 Resp: 3274578
Ion Ratio Lower Upper
98 100
100 63.8 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.757 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN069884.D
Acq: 9 Dec 2021 1:48

Tgt Ion: 43 Resp: 25611
Ion Ratio Lower Upper
43 100
58 43.3 30.4 45.6

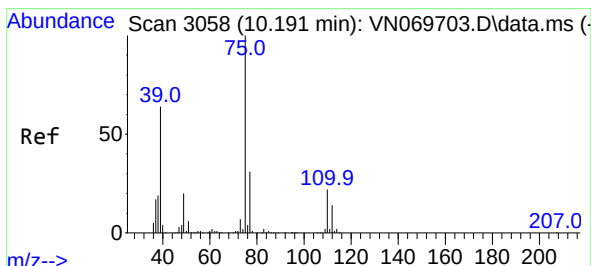
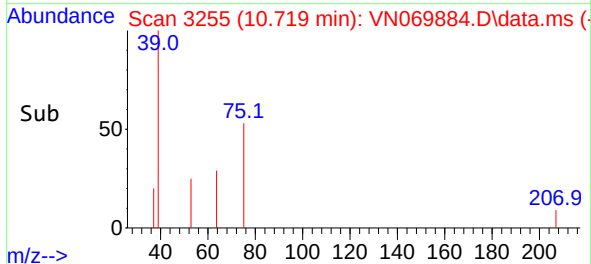
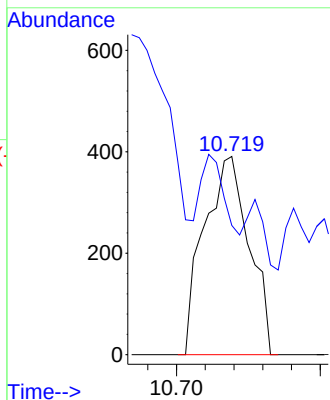
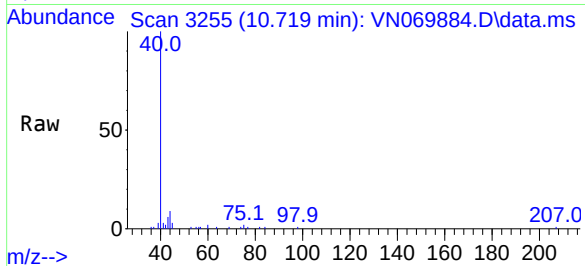




#53
t-1,3-Dichloropropene
Concen: 2.808 ug/l
RT: 10.719 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN069884.D
Acq: 9 Dec 2021 1:48

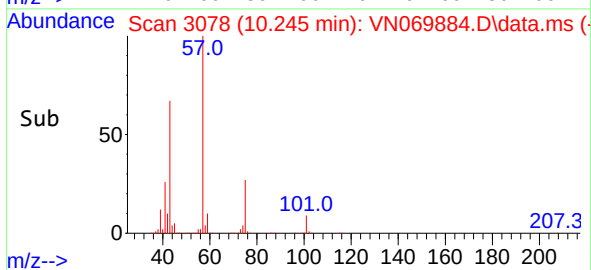
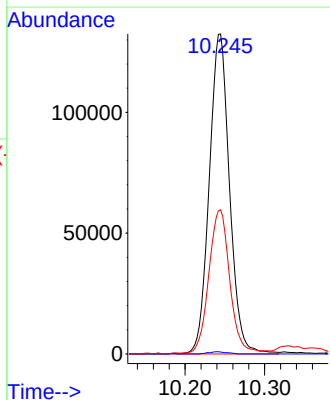
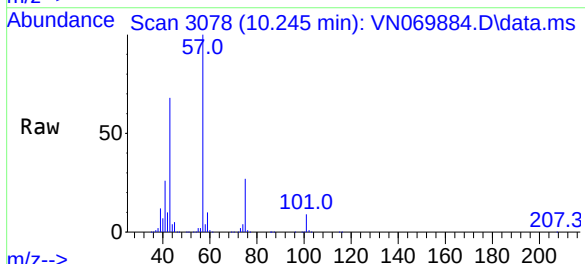
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#09

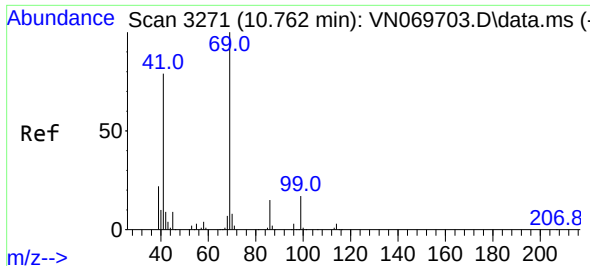
Tgt Ion: 75 Resp: 424
Ion Ratio Lower Upper
75 100
77 22.5 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 9.412 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN069884.D
Acq: 9 Dec 2021 1:48

Tgt Ion: 75 Resp: 235154
Ion Ratio Lower Upper
75 100
77 0.6 26.4 39.6#
39 44.8 42.5 63.7

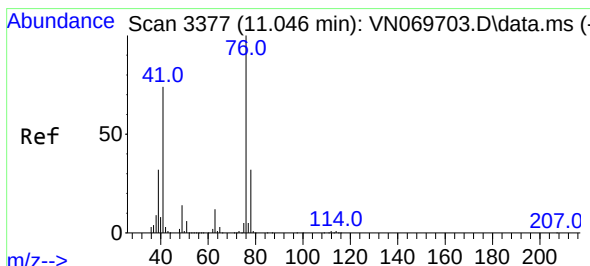
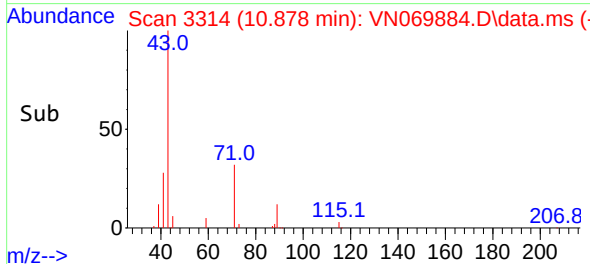
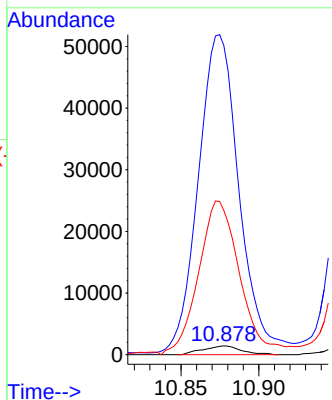
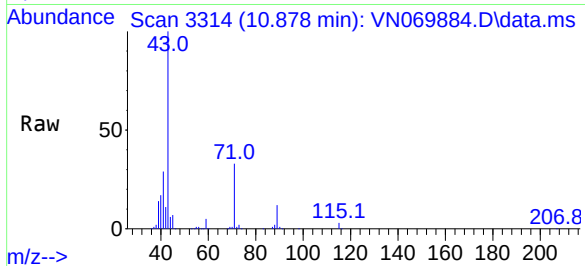




#56
Ethyl methacrylate
Concen: 2.348 ug/l
RT: 10.878 min Scan# 31
Delta R.T. 0.115 min
Lab File: VN069884.D
Acq: 9 Dec 2021 1:48

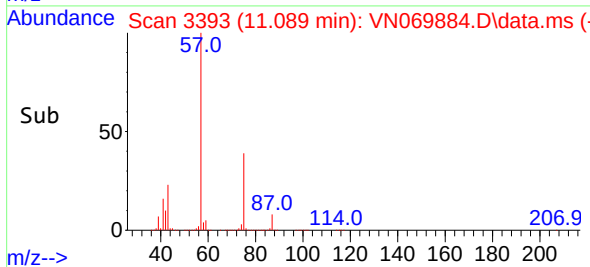
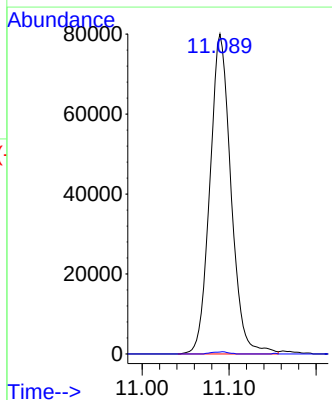
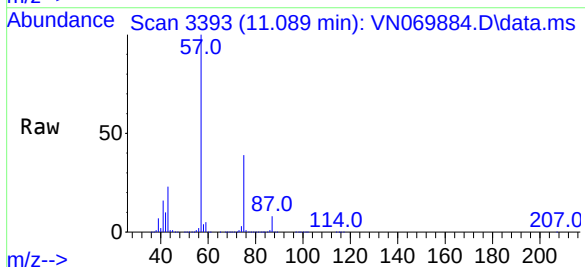
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#09

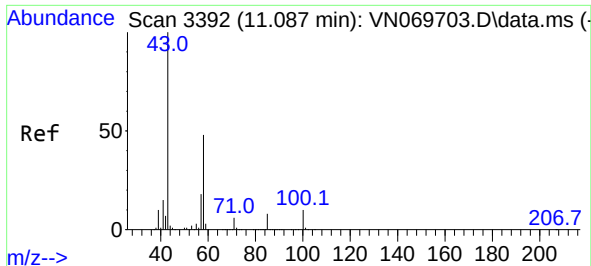
Tgt Ion: 69 Resp: 2437
Ion Ratio Lower Upper
69 100
41 3850.8 51.4 77.0#
39 1890.9 34.6 52.0#



#57
1,3-Dichloropropane
Concen: 4.303 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.043 min
Lab File: VN069884.D
Acq: 9 Dec 2021 1:48

Tgt Ion: 76 Resp: 135022
Ion Ratio Lower Upper
76 100
78 0.5 25.7 38.5#

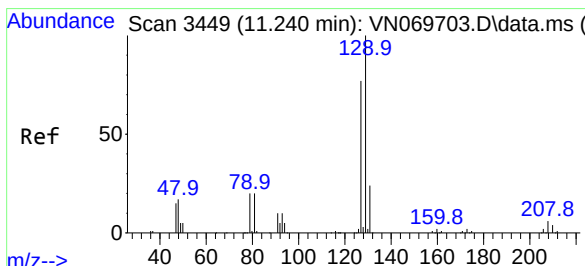
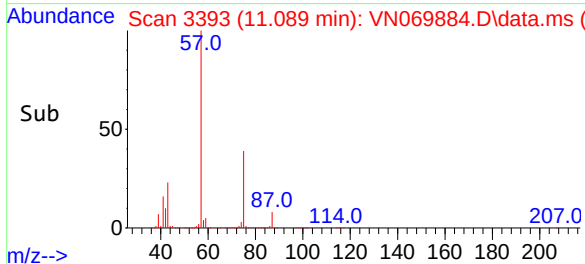
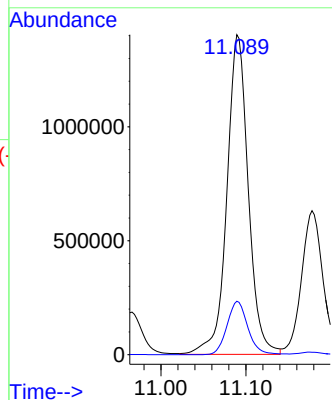
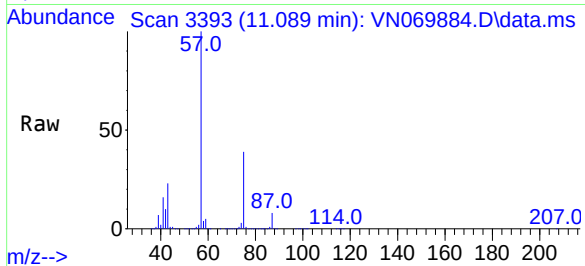




#59
2-Hexanone
Concen: 96.056 ug/l
RT: 11.089 min Scan# 31
Delta R.T. 0.002 min
Lab File: VN069884.D
Acq: 9 Dec 2021 1:48

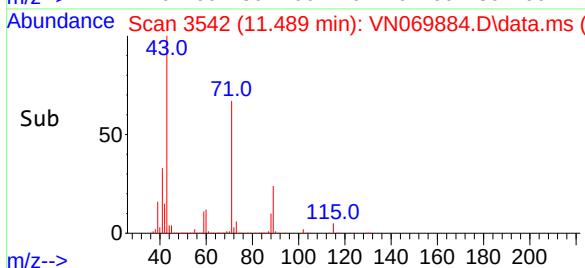
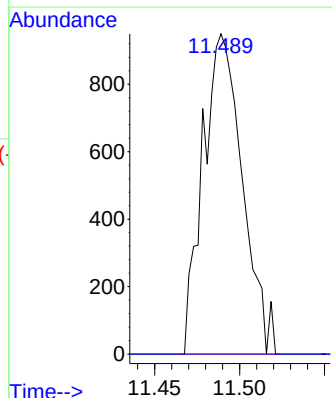
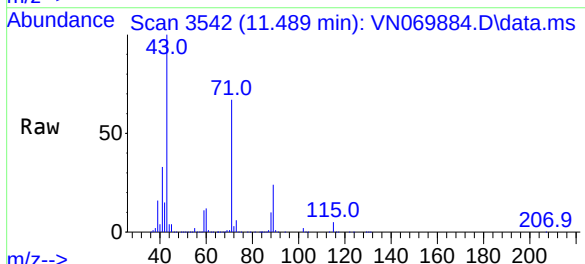
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#09

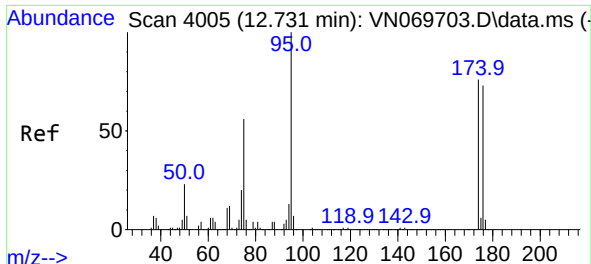
Tgt Ion: 43 Resp: 2457288
Ion Ratio Lower Upper
43 100
58 16.3 26.9 80.7#



#60
Dibromochloromethane
Concen: 2.453 ug/l
RT: 11.489 min Scan# 3542
Delta R.T. 0.249 min
Lab File: VN069884.D
Acq: 9 Dec 2021 1:48

Tgt Ion: 129 Resp: 1539
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

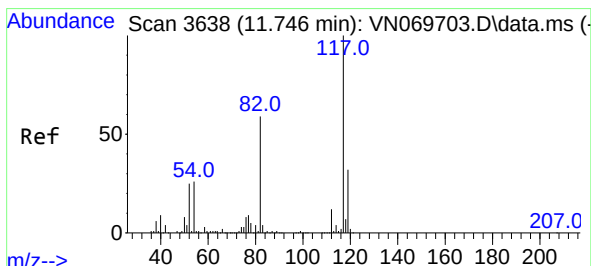
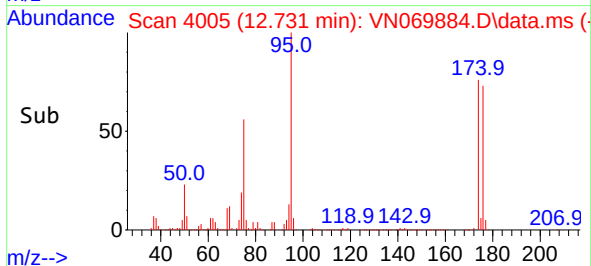
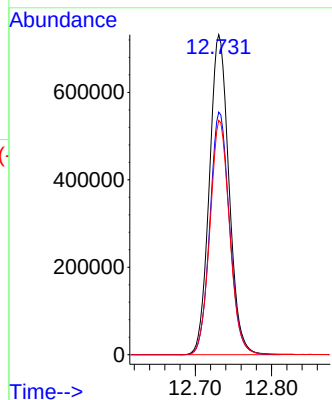
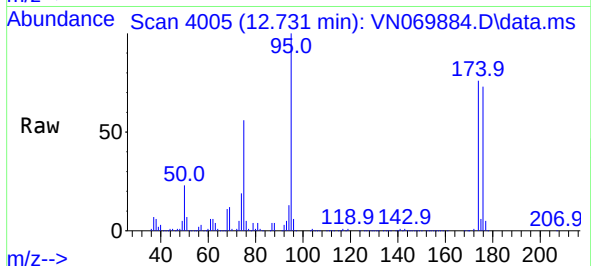




#62
4-Bromofluorobenzene
Concen: 57.539 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069884.D
Acq: 9 Dec 2021 1:48

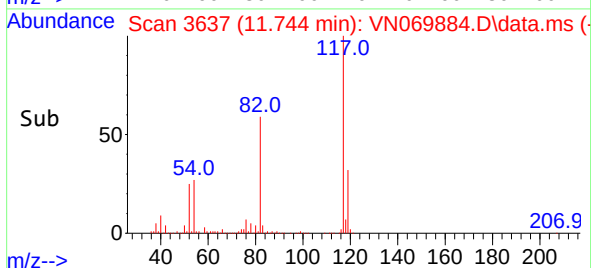
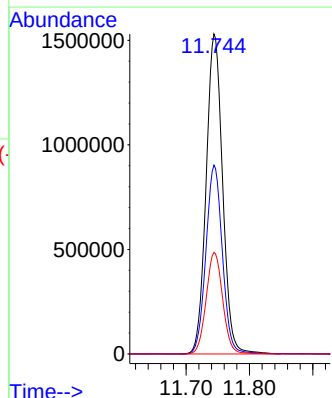
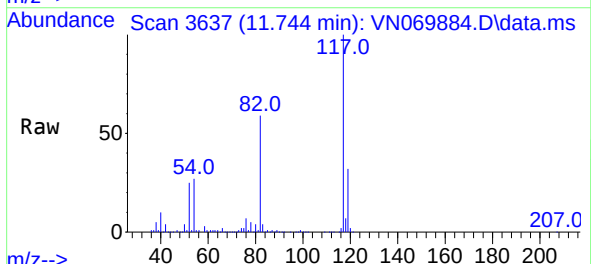
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#09

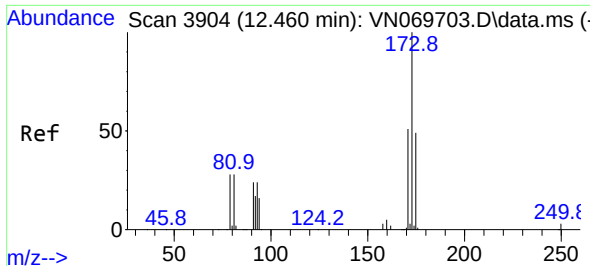
Tgt Ion: 95 Resp: 1303451
Ion Ratio Lower Upper
95 100
174 76.1 0.0 187.2
176 73.5 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069884.D
Acq: 9 Dec 2021 1:48

Tgt Ion: 117 Resp: 2763584
Ion Ratio Lower Upper
117 100
82 59.0 42.4 63.6
119 31.8 25.4 38.2

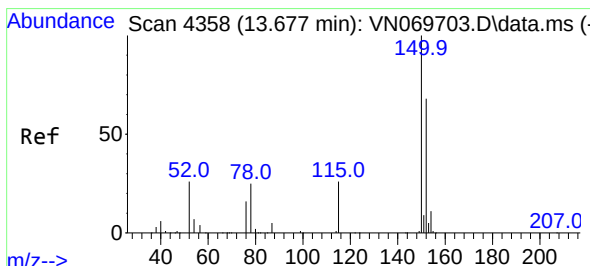
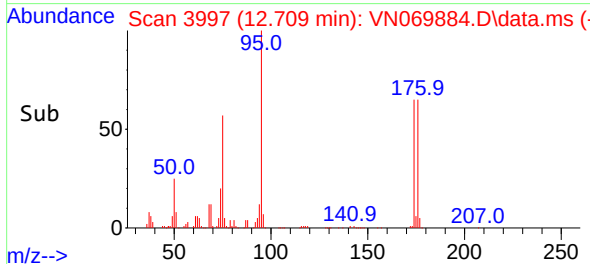
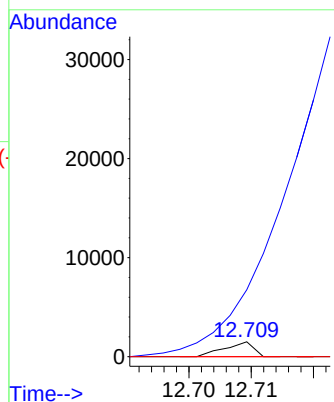
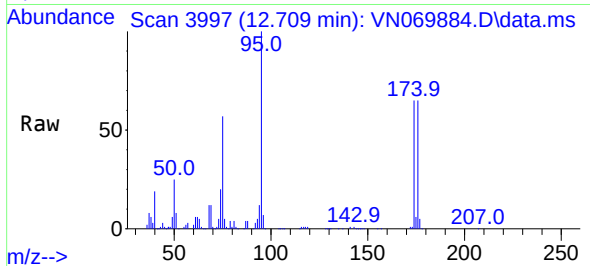




#71
Bromoform
Concen: 2.758 ug/l
RT: 12.709 min Scan# 3904
Delta R.T. 0.249 min
Lab File: VN069884.D
Acq: 9 Dec 2021 1:48

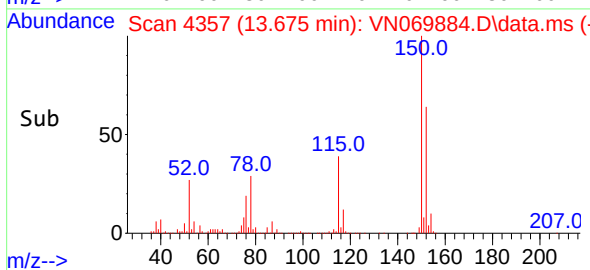
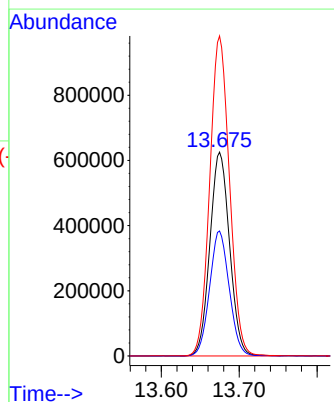
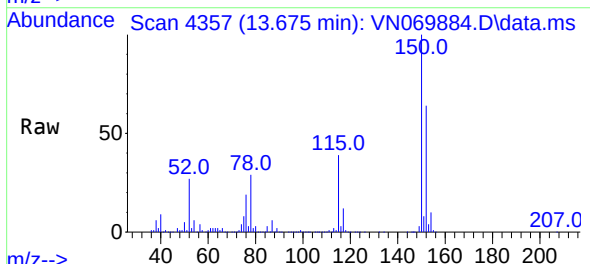
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#09

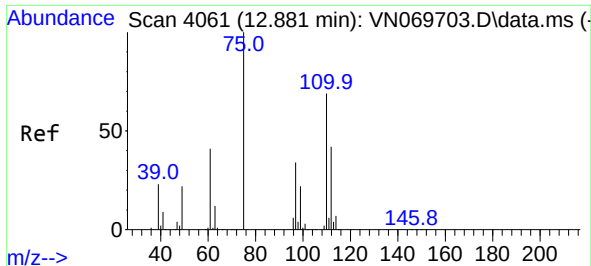
Tgt Ion:173 Resp: 486
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN069884.D
Acq: 9 Dec 2021 1:48

Tgt Ion:152 Resp: 1099451
Ion Ratio Lower Upper
152 100
115 61.0 27.5 82.5
150 156.9 0.0 344.4

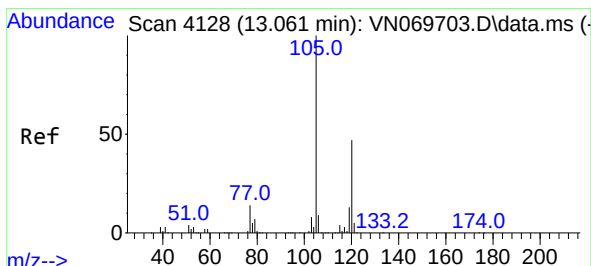
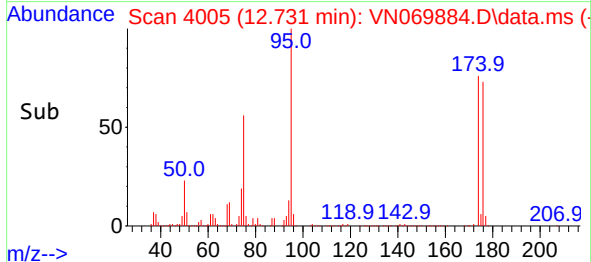
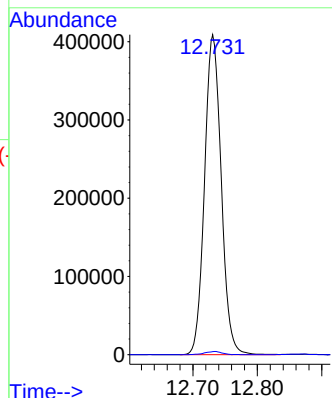
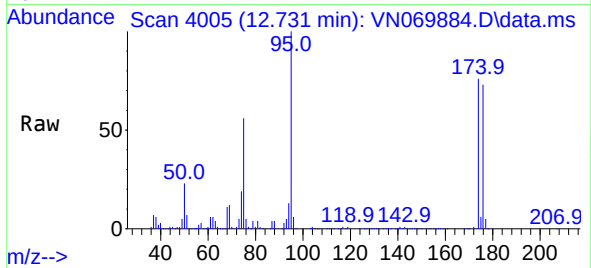




#76
1,2,3-Trichloropropane
Concen: 23.297 ug/l
RT: 12.731 min Scan# 4061
Delta R.T. -0.150 min
Lab File: VN069884.D
Acq: 9 Dec 2021 1:48

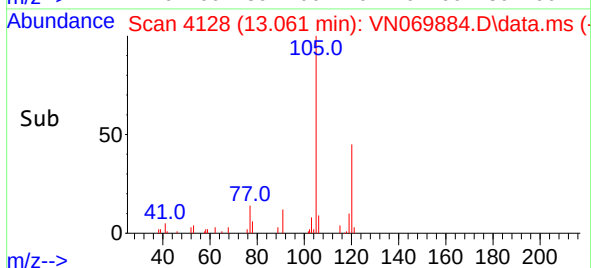
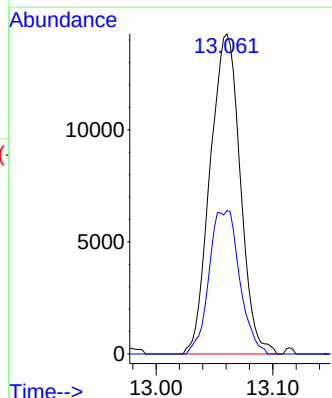
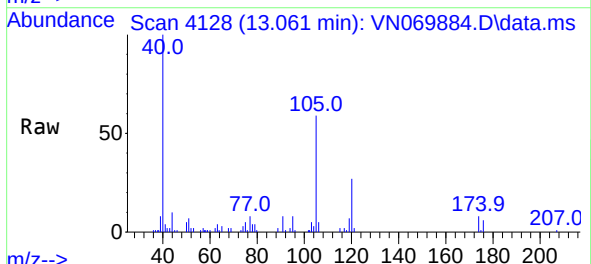
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#09

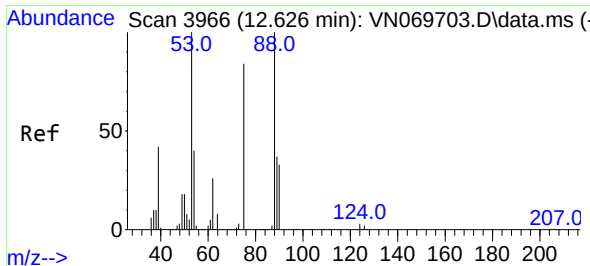
Tgt Ion: 75 Resp: 734532
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



#80
1,3,5-Trimethylbenzene
Concen: 0.325 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. 0.000 min
Lab File: VN069884.D
Acq: 9 Dec 2021 1:48

Tgt Ion: 105 Resp: 25563
Ion Ratio Lower Upper
105 100
120 45.4 24.6 73.6

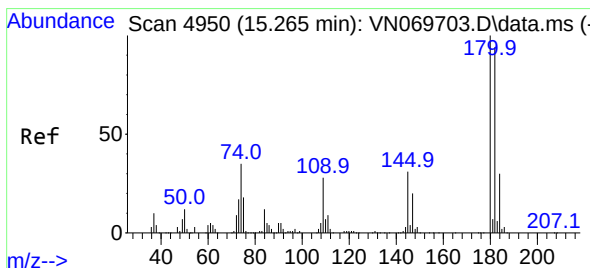
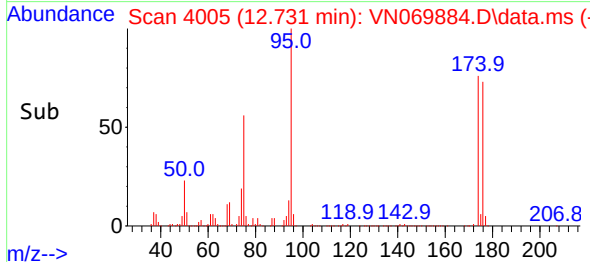
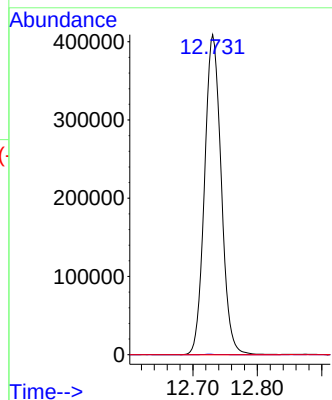
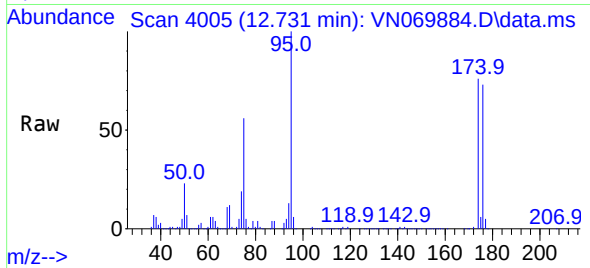




#81
trans-1,4-Dichloro-2-butene
Concen: 74.115 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069884.D
Acq: 9 Dec 2021 1:48

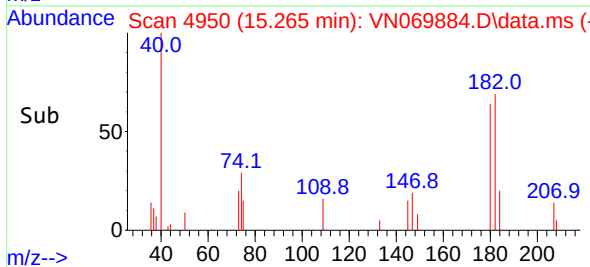
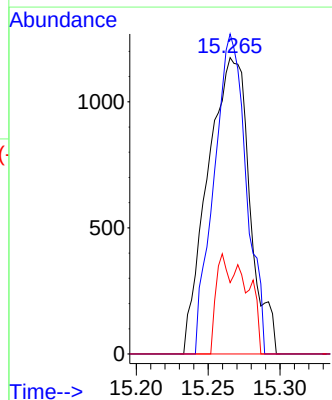
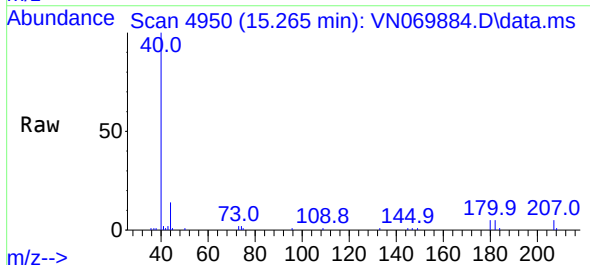
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ClientSampleId :
PB141231ZHE#09

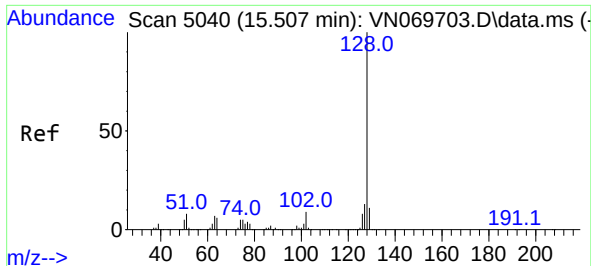
Tgt Ion: 75 Resp: 734532
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.003 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN069884.D
Acq: 9 Dec 2021 1:48

Tgt Ion:180 Resp: 2391
Ion Ratio Lower Upper
180 100
182 82.7 48.3 144.9
145 10.6 14.5 43.5#

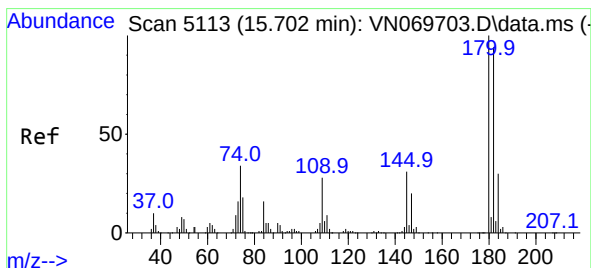
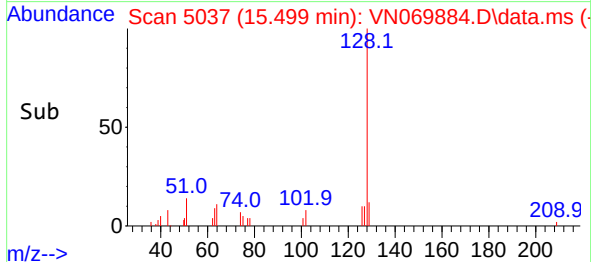
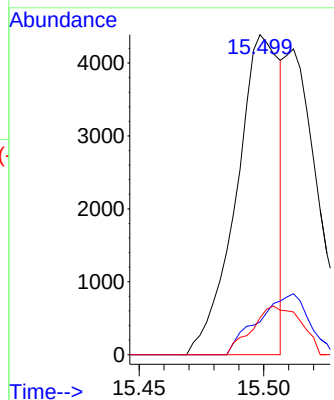
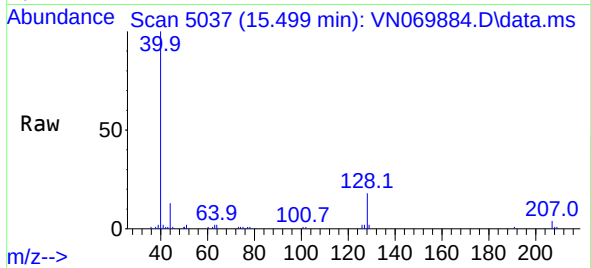




#95
Naphthalene
Concen: 4.076 ug/l
RT: 15.499 min Scan# 5040
Delta R.T. -0.008 min
Lab File: VN069884.D
Acq: 9 Dec 2021 1:48

Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#09

Tgt Ion:128 Resp: 5297
Ion Ratio Lower Upper
128 100
127 22.2 10.5 15.7#
129 17.1 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.571 ug/l
RT: 15.697 min Scan# 5111
Delta R.T. -0.005 min
Lab File: VN069884.D
Acq: 9 Dec 2021 1:48

Tgt Ion:180 Resp: 2494
Ion Ratio Lower Upper
180 100
182 85.9 47.4 142.2
145 27.3 15.0 45.1

