

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120721\
 Data File : VN069809.D
 Acq On : 7 Dec 2021 12:51
 Operator : JC/MD
 Sample : M4956-15
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB03-20211205

Quant Time: Dec 08 04:34:04 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)

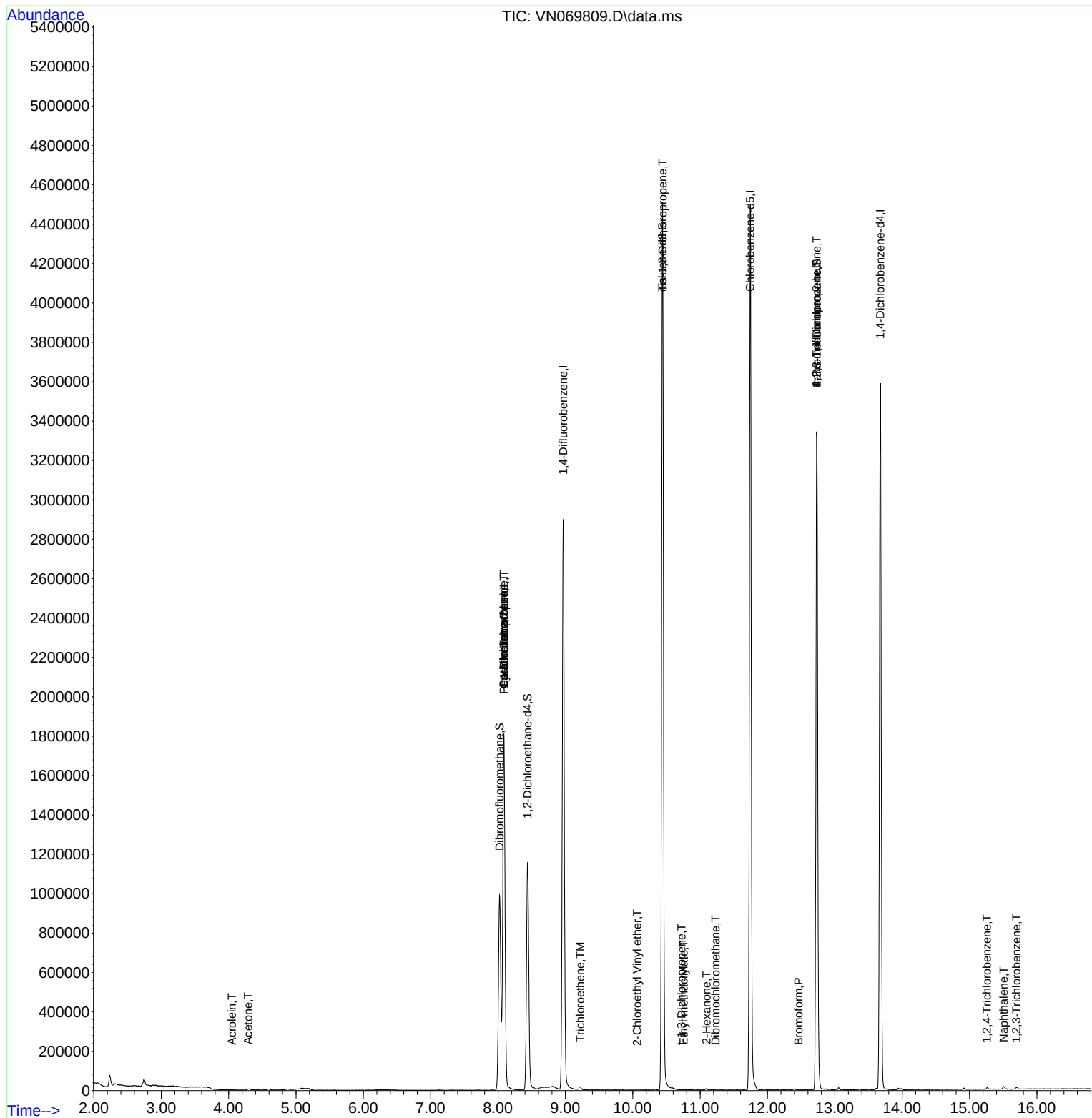
Internal Standards						
1) Pentafluorobenzene	8.088	168	1357513	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2442724	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2554754	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	965587	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1022043	48.76	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.52%		
35) Dibromofluoromethane	8.021	113	723416	47.28	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.56%		
50) Toluene-d8	10.440	98	3122258	50.82	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.64%		
62) 4-Bromofluorobenzene	12.731	95	1189973	53.46	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	106.92%		
Target Compounds					Qvalue	
13) Acrolein	4.049	56	1288	0.38	ug/l #	46
16) Acetone	4.288	43	3097	0.25	ug/l	97
31) Cyclohexane	8.086	56	36384	1.25	ug/l #	44
36) 1,1-Dichloropropene	8.086	75	116292	5.00	ug/l #	49
38) Carbon Tetrachloride	8.086	117	140827	6.18	ug/l #	17
44) Trichloroethene	9.217	130	4211	0.25	ug/l	82
53) t-1,3-Dichloropropene	10.722	75	276	2.80	ug/l #	69
54) cis-1,3-Dichloropropene	10.443	75	780	2.02	ug/l #	1
56) Ethyl methacrylate	10.754	69	165	2.28	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.065	63	80	18.40	ug/l #	45
59) 2-Hexanone	11.095	43	6115	0.24	ug/l	97
60) Dibromochloromethane	11.229	129	607	2.41	ug/l	67
71) Bromoform	12.463	173	25	2.73	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	672923	24.30	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	672923	77.14	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.257	180	2786	3.04	ug/l	59
95) Naphthalene	15.507	128	12989	4.24	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.697	180	3506	2.65	ug/l	98

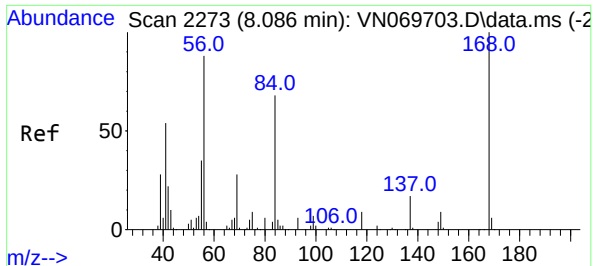
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 03 08:46:47 2021
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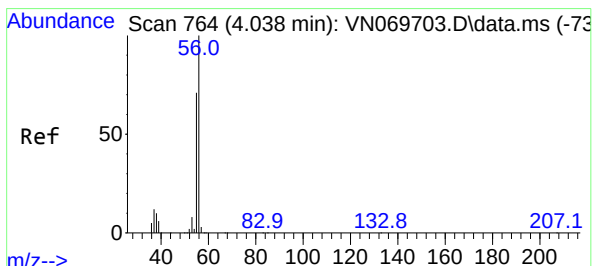
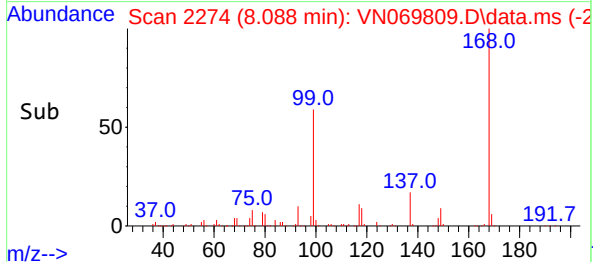
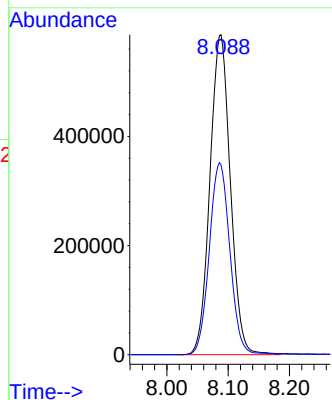
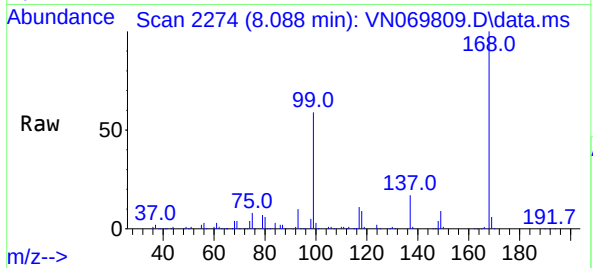




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069809.D
Acq: 7 Dec 2021 12:51

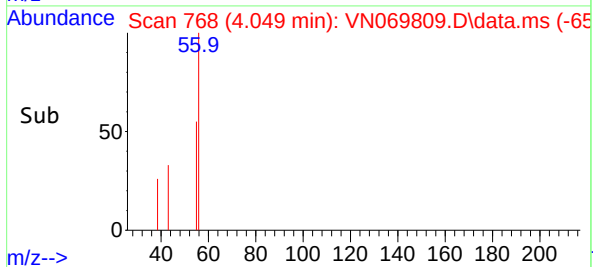
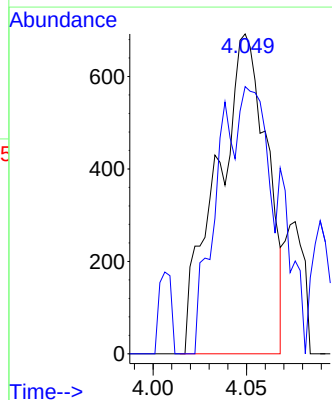
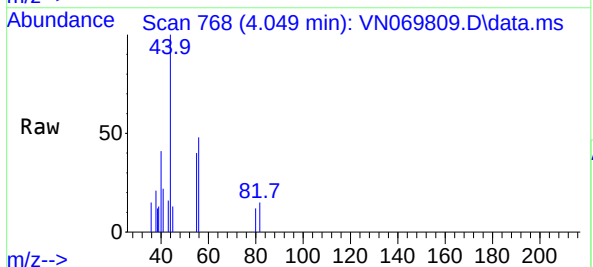
Instrument :
MSVOA_N
ClientSampleId :
TB03-20211205

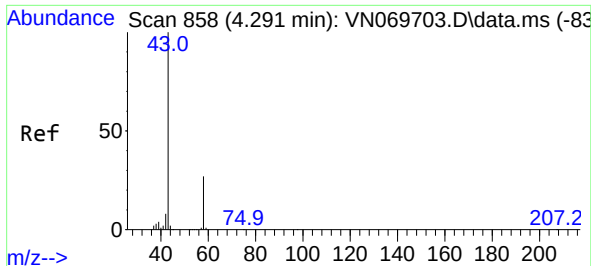
Tgt Ion:168 Resp: 1357513
Ion Ratio Lower Upper
168 100
99 59.4 41.3 61.9



#13
Acrolein
Concen: 0.38 ug/l
RT: 4.049 min Scan# 768
Delta R.T. 0.011 min
Lab File: VN069809.D
Acq: 7 Dec 2021 12:51

Tgt Ion: 56 Resp: 1288
Ion Ratio Lower Upper
56 100
55 26.6 56.6 85.0#

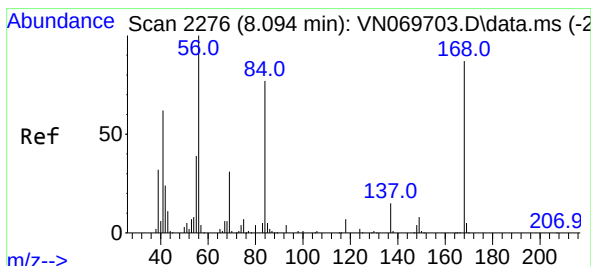
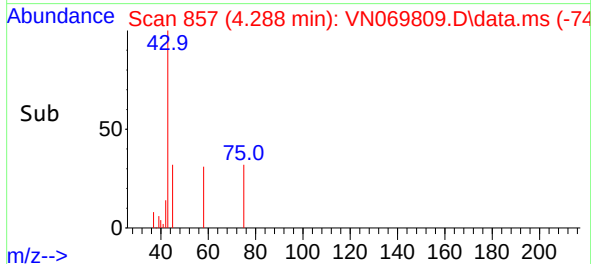
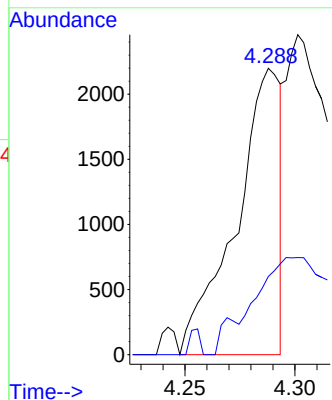
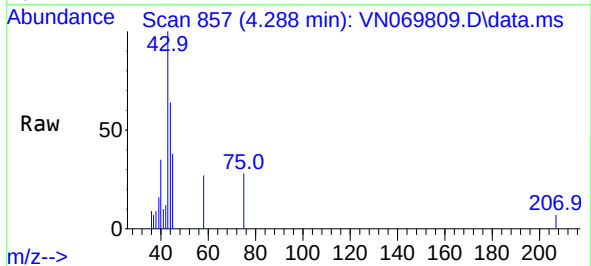




#16
Acetone
Concen: 0.25 ug/l
RT: 4.288 min Scan# 81
Delta R.T. -0.003 min
Lab File: VN069809.D
Acq: 7 Dec 2021 12:51

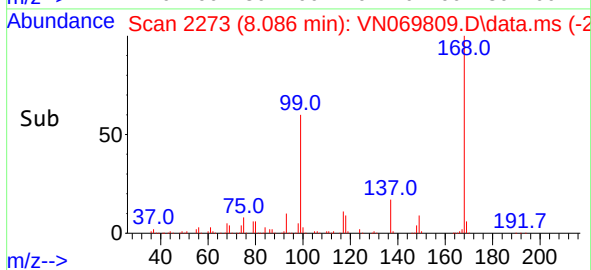
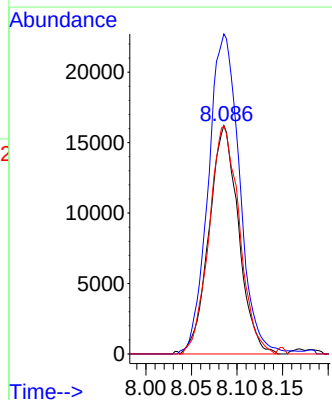
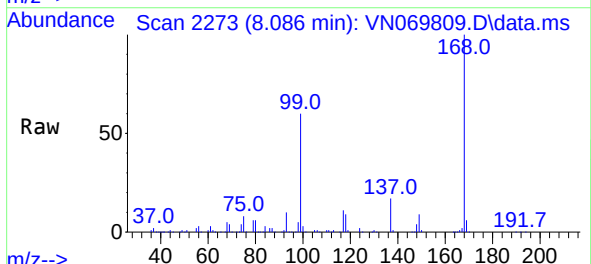
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MSVOA_N
ClientSampleId :
TB03-20211205

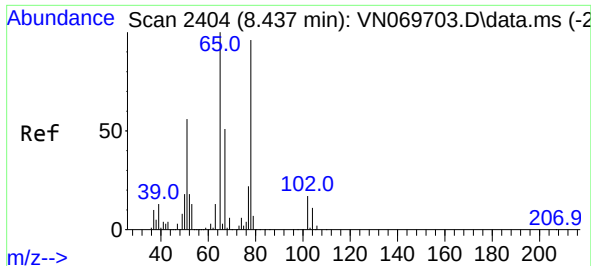
Tgt Ion: 43 Resp: 3097
Ion Ratio Lower Upper
43 100
58 27.3 23.1 34.7



#31
Cyclohexane
Concen: 1.25 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN069809.D
Acq: 7 Dec 2021 12:51

Tgt Ion: 56 Resp: 36384
Ion Ratio Lower Upper
56 100
69 138.9 27.1 40.7#
84 99.8 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 48.76 ug/l

RT: 8.437 min Scan# 24

Delta R.T. 0.000 min

Lab File: VN069809.D

Acq: 7 Dec 2021 12:51

Instrument :

MSVOA_N

ClientSampleId :

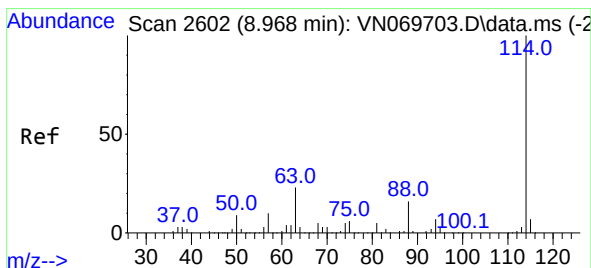
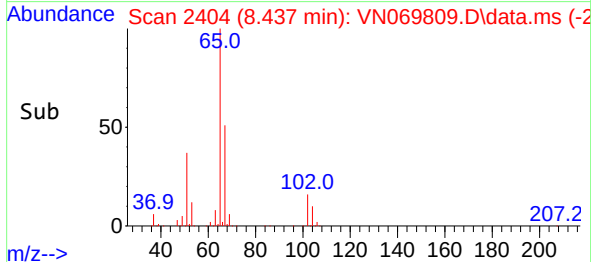
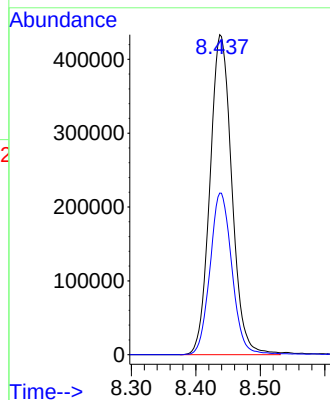
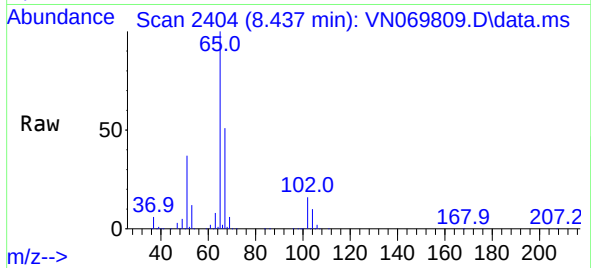
TB03-20211205

Tgt Ion: 65 Resp: 1022043

Ion Ratio Lower Upper

65 100

67 50.4 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. -0.000 min

Lab File: VN069809.D

Acq: 7 Dec 2021 12:51

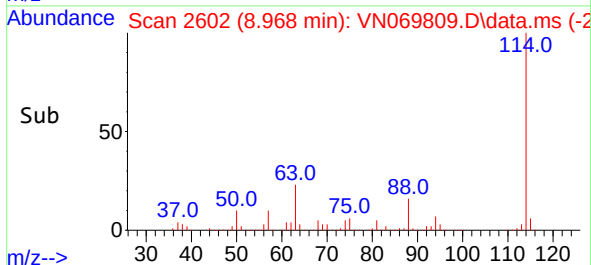
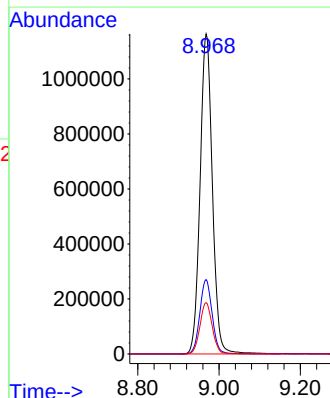
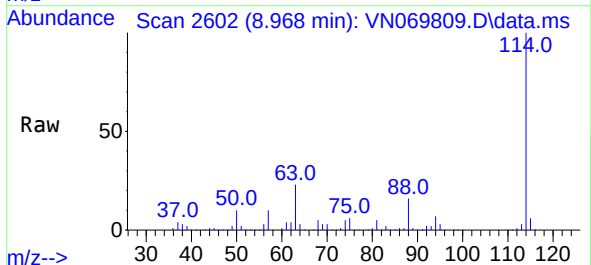
Tgt Ion: 114 Resp: 2442724

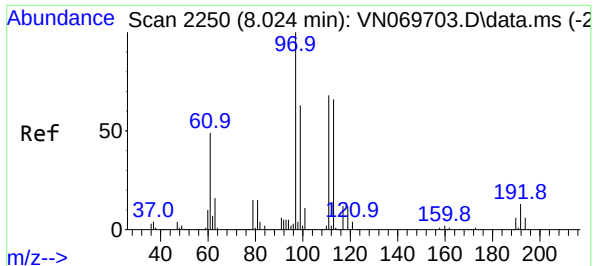
Ion Ratio Lower Upper

114 100

63 23.2 0.0 37.8

88 16.1 0.0 27.4

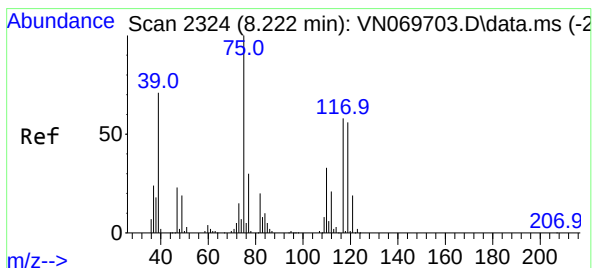
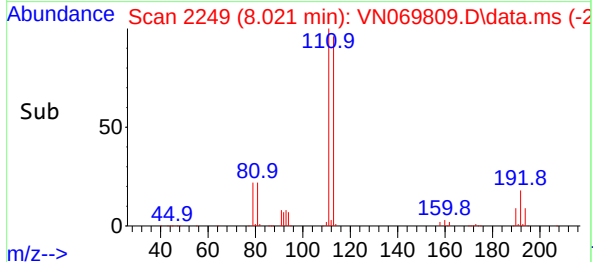
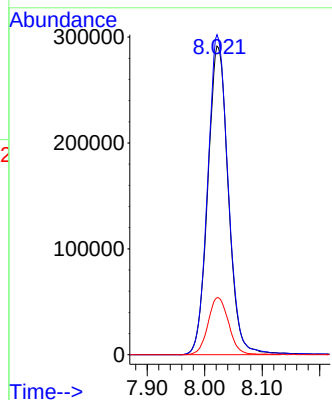
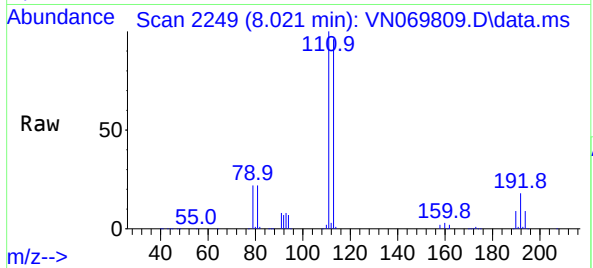




#35
Dibromofluoromethane
Concen: 47.28 ug/l
RT: 8.021 min Scan# 211
Delta R.T. -0.003 min
Lab File: VN069809.D
Acq: 7 Dec 2021 12:51

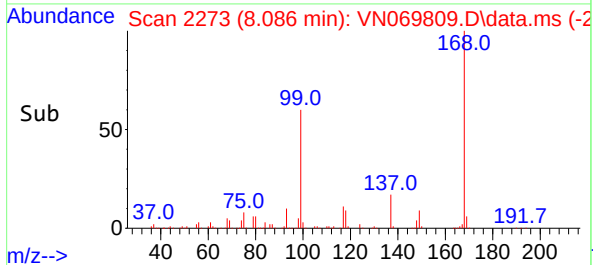
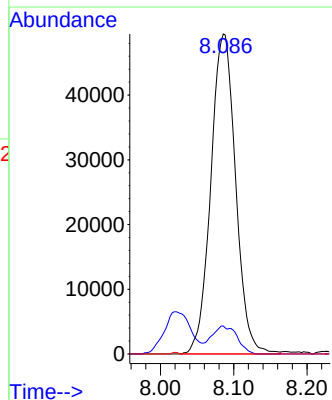
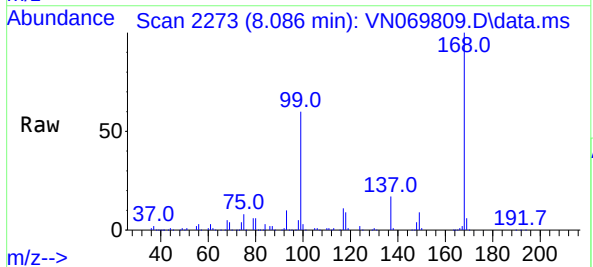
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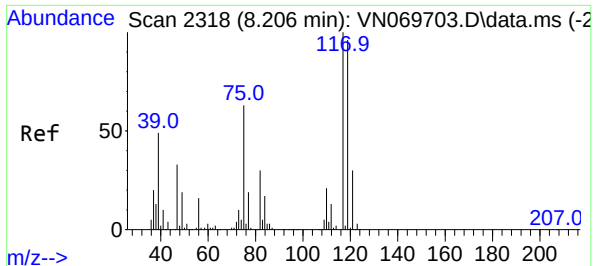
Tgt Ion:113 Resp: 723416
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.2
192 18.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.00 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069809.D
Acq: 7 Dec 2021 12:51

Tgt Ion: 75 Resp: 116292
Ion Ratio Lower Upper
75 100
110 9.0 18.4 55.2#
77 0.0 24.4 36.6#

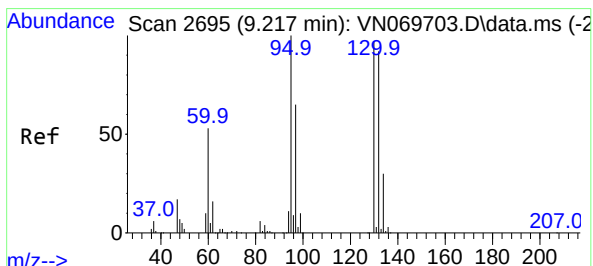
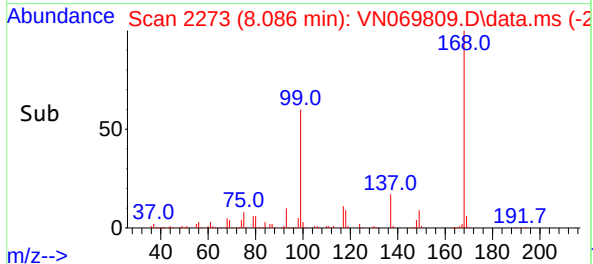
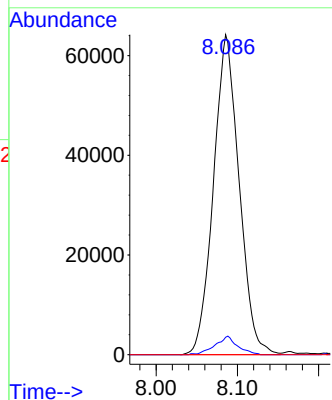
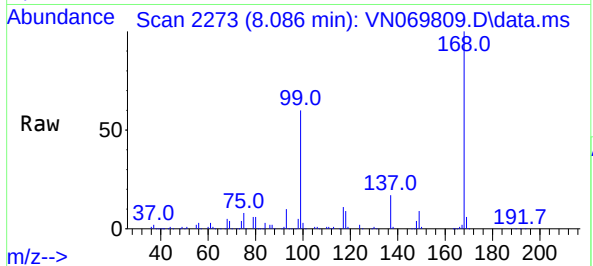




#38
Carbon Tetrachloride
Concen: 6.18 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.121 min
Lab File: VN069809.D
Acq: 7 Dec 2021 12:51

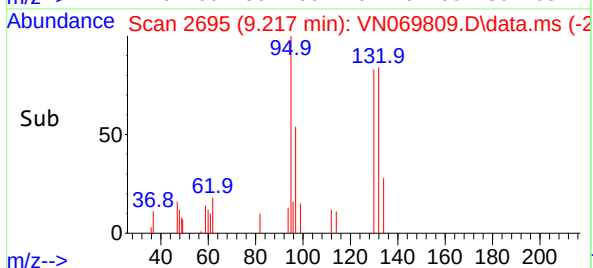
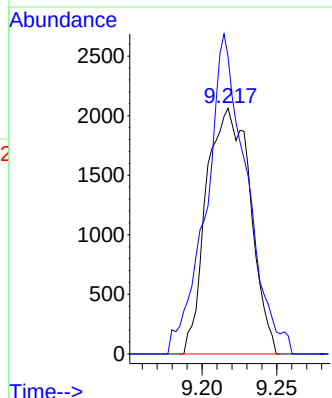
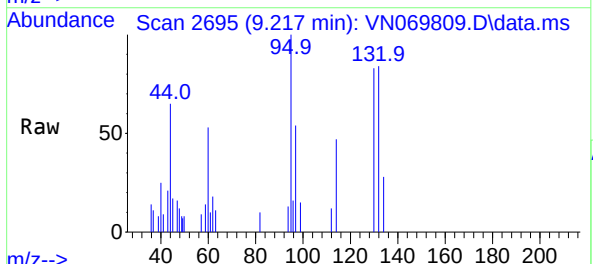
Instrument :
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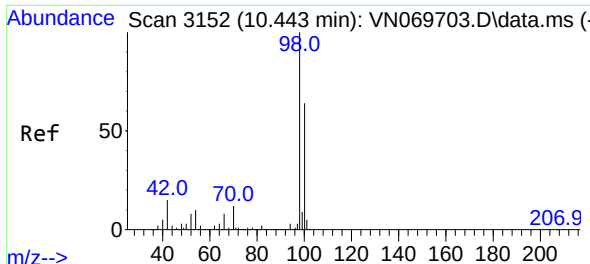
Tgt Ion:117 Resp: 140827
Ion Ratio Lower Upper
117 100
119 5.4 76.1 114.1#
121 0.0 24.2 36.2#



#44
Trichloroethene
Concen: 0.25 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. 0.000 min
Lab File: VN069809.D
Acq: 7 Dec 2021 12:51

Tgt Ion:130 Resp: 4211
Ion Ratio Lower Upper
130 100
95 112.8 0.0 191.2

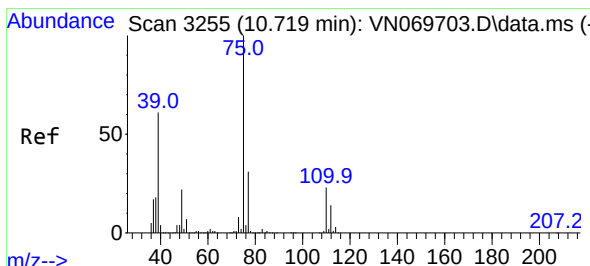
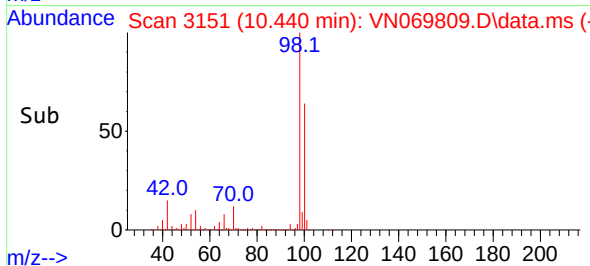
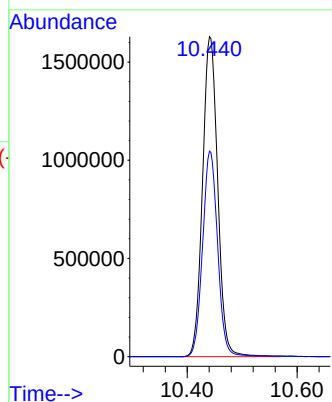
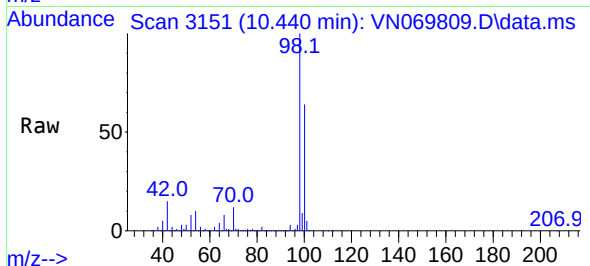




#50
Toluene-d8
Concen: 50.82 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VN069809.D
Acq: 7 Dec 2021 12:51

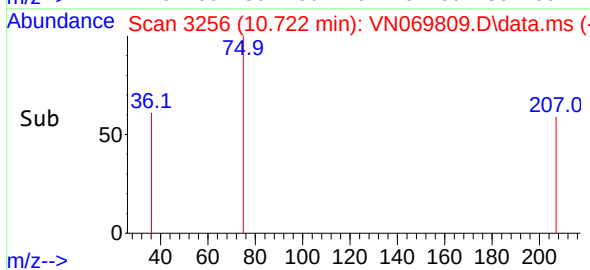
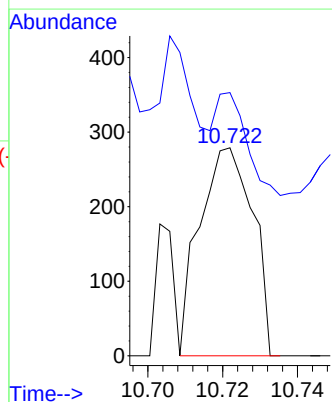
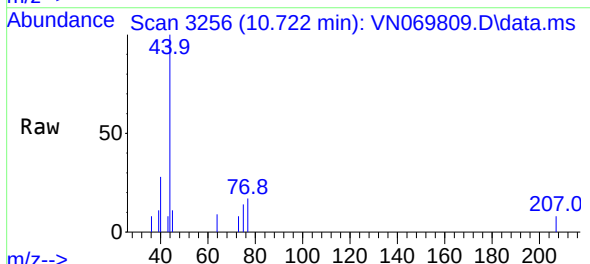
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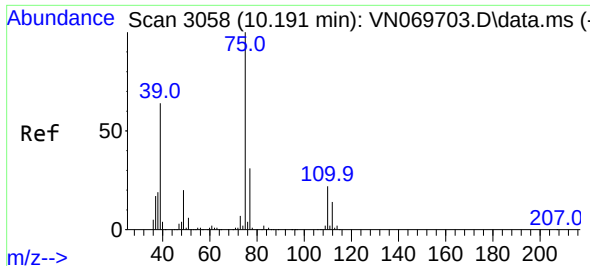
Tgt Ion: 98 Resp: 3122258
Ion Ratio Lower Upper
98 100
100 63.5 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.80 ug/l
RT: 10.722 min Scan# 3256
Delta R.T. 0.003 min
Lab File: VN069809.D
Acq: 7 Dec 2021 12:51

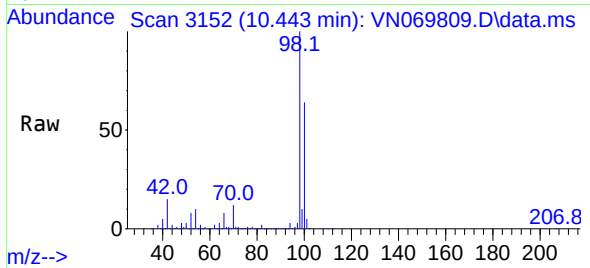
Tgt Ion: 75 Resp: 276
Ion Ratio Lower Upper
75 100
77 49.5 25.6 38.4#



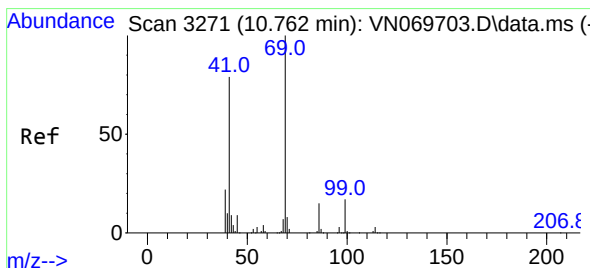
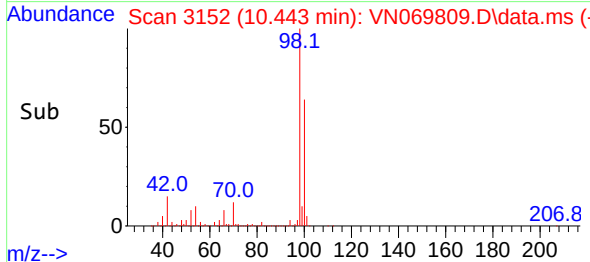
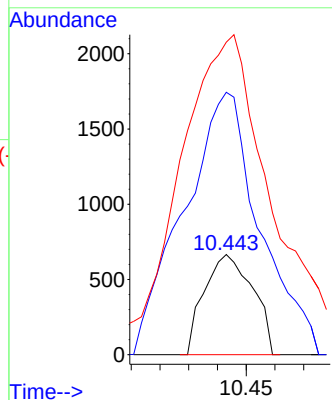


#54
cis-1,3-Dichloropropene
Concen: 2.02 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.252 min
Lab File: VN069809.D
Acq: 7 Dec 2021 12:51

Instrument :
MSVOA_N
ClientSampleId :
TB03-20211205

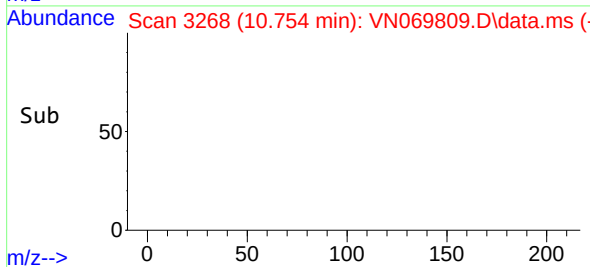
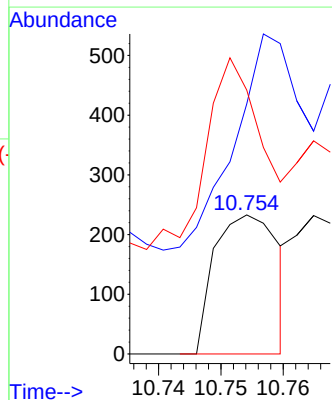
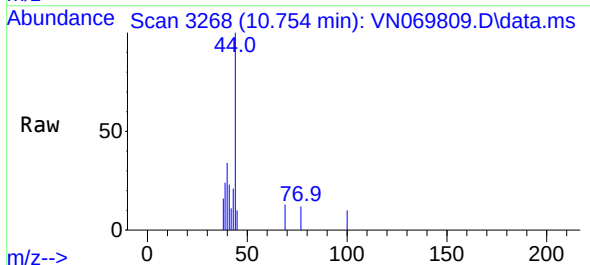


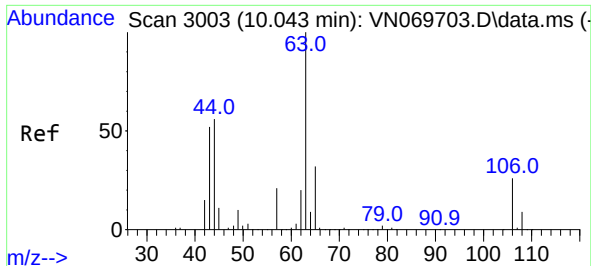
Tgt Ion: 75 Resp: 780
Ion Ratio Lower Upper
75 100
77 185.0 26.4 39.6#
39 196.1 42.5 63.7#



#56
Ethyl methacrylate
Concen: 2.28 ug/l
RT: 10.754 min Scan# 3268
Delta R.T. -0.008 min
Lab File: VN069809.D
Acq: 7 Dec 2021 12:51

Tgt Ion: 69 Resp: 165
Ion Ratio Lower Upper
69 100
41 605.5 51.4 77.0#
39 104.2 34.6 52.0#

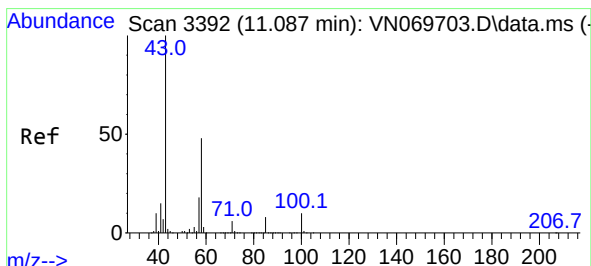
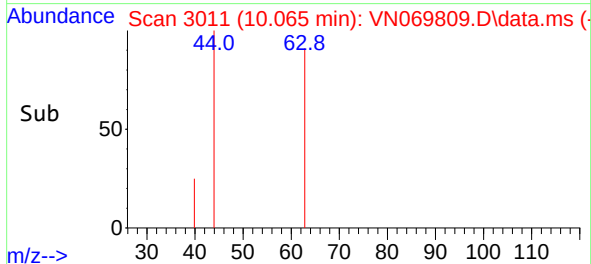
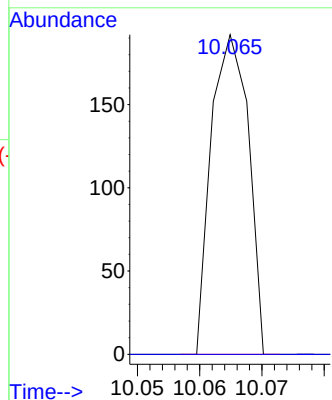
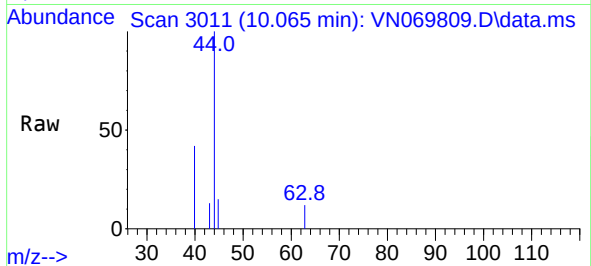




#58
2-Chloroethyl Vinyl ether
Concen: 18.40 ug/l
RT: 10.065 min Scan# 3003
Delta R.T. 0.022 min
Lab File: VN069809.D
Acq: 7 Dec 2021 12:51

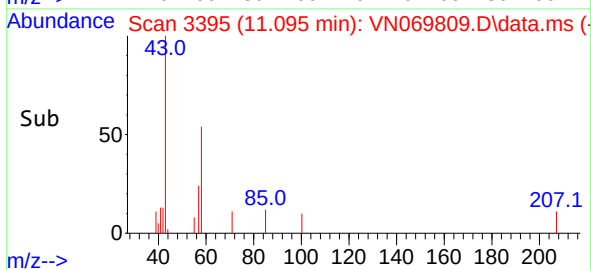
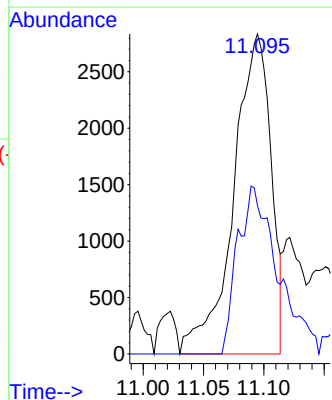
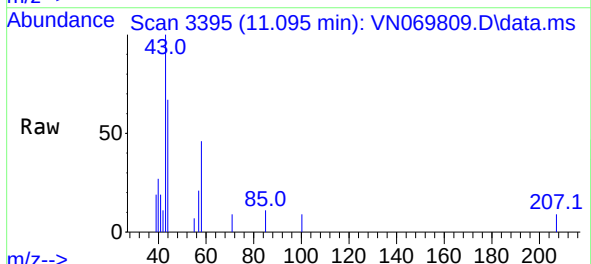
Instrument :
MSVOA_N
ClientSampleId :
TB03-20211205

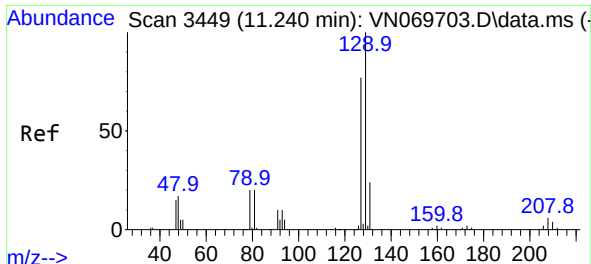
Tgt Ion: 63 Resp: 80
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 0.24 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN069809.D
Acq: 7 Dec 2021 12:51

Tgt Ion: 43 Resp: 6115
Ion Ratio Lower Upper
43 100
58 56.1 26.9 80.7

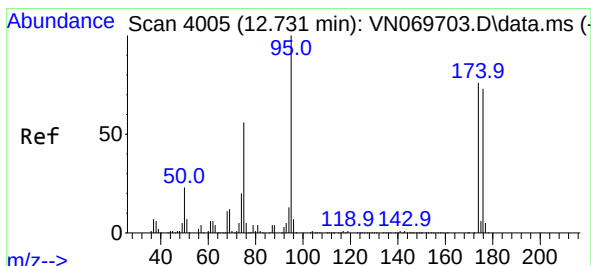
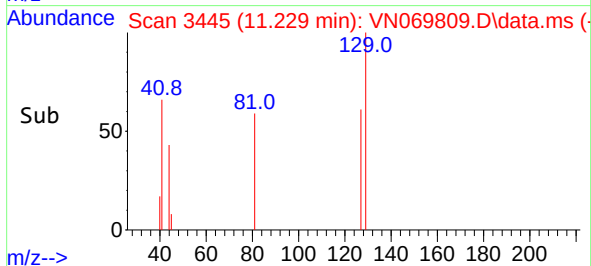
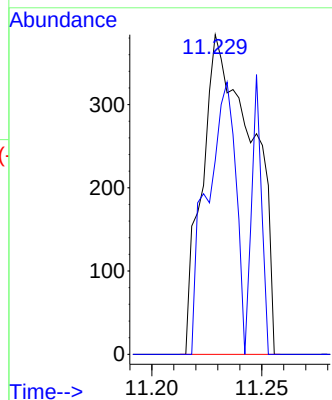
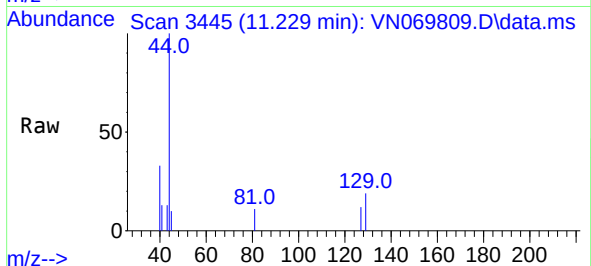




#60
Dibromochloromethane
Concen: 2.41 ug/l
RT: 11.229 min Scan# 3449
Delta R.T. -0.011 min
Lab File: VN069809.D
Acq: 7 Dec 2021 12:51

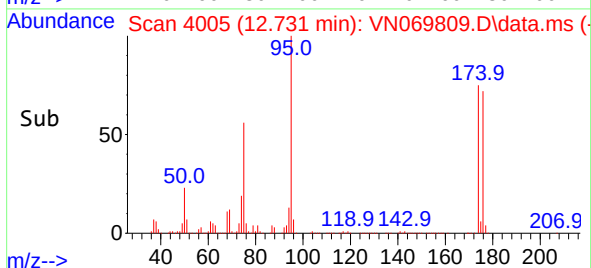
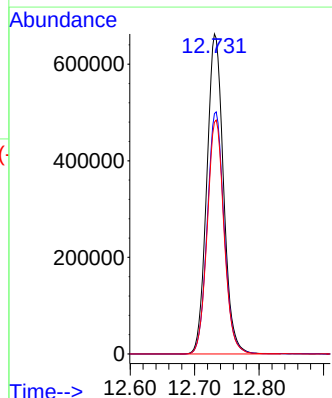
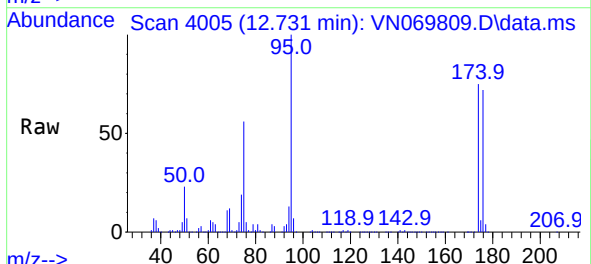
Instrument :
MSVOA_N
ClientSampleId :
TB03-20211205

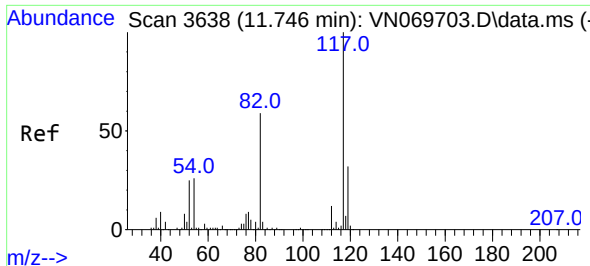
Tgt Ion:129 Resp: 607
Ion Ratio Lower Upper
129 100
127 48.9 38.6 116.0



#62
4-Bromofluorobenzene
Concen: 53.46 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069809.D
Acq: 7 Dec 2021 12:51

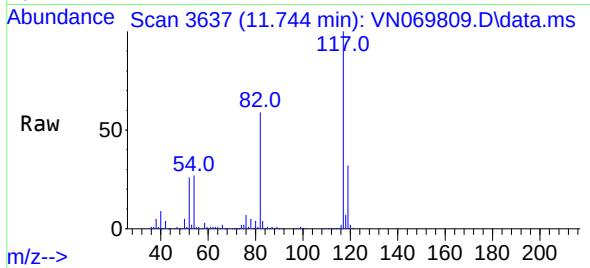
Tgt Ion: 95 Resp: 1189973
Ion Ratio Lower Upper
95 100
174 76.1 0.0 187.2
176 73.4 0.0 181.4





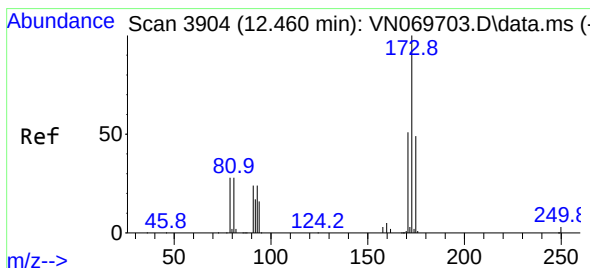
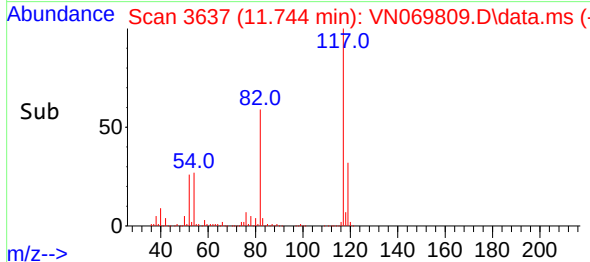
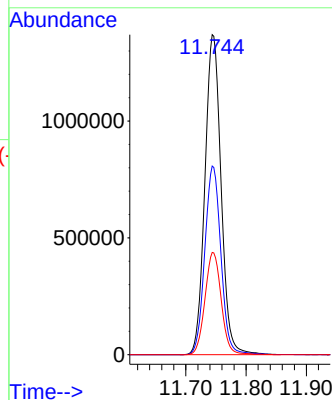
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.744 min Scan# 30
Delta R.T. -0.002 min
Lab File: VN069809.D
Acq: 7 Dec 2021 12:51

Instrument :
MSVOA_N
ClientSampleId :
TB03-20211205



Tgt Ion:117 Resp: 2554754

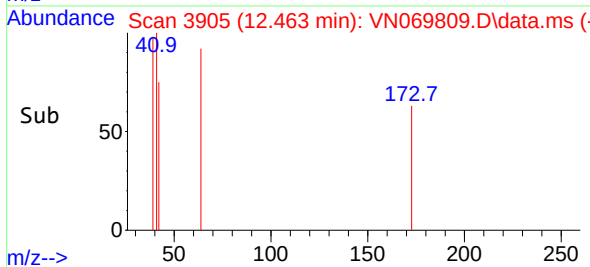
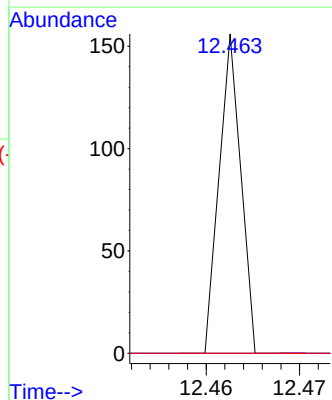
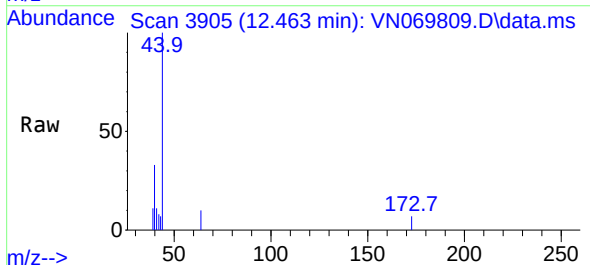
Ion	Ratio	Lower	Upper
117	100		
82	58.9	42.4	63.6
119	32.0	25.4	38.2

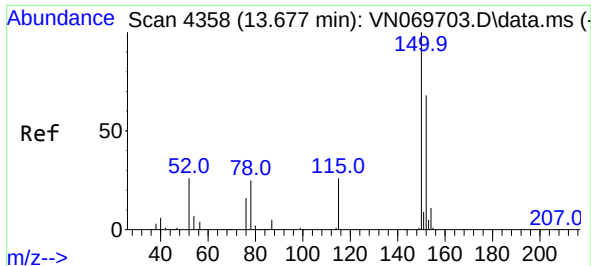


#71
Bromoform
Concen: 2.73 ug/l
RT: 12.463 min Scan# 3905
Delta R.T. 0.003 min
Lab File: VN069809.D
Acq: 7 Dec 2021 12:51

Tgt Ion:173 Resp: 25

Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.2	72.6
254	0.0	0.0	0.0

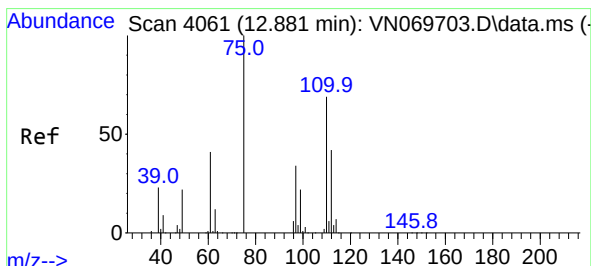
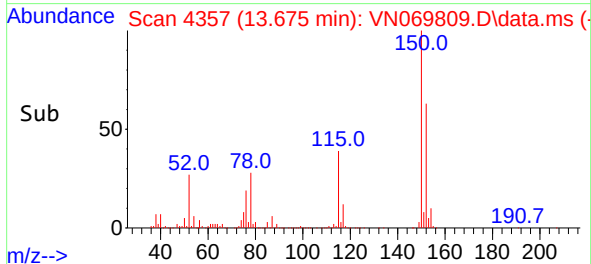
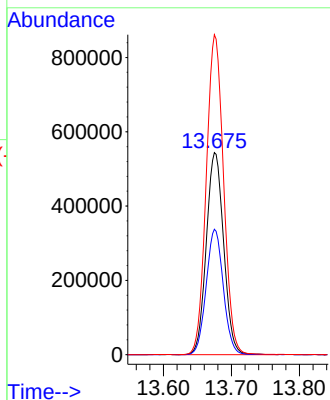
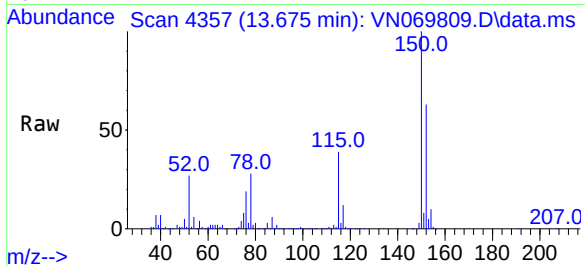




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN069809.D
Acq: 7 Dec 2021 12:51

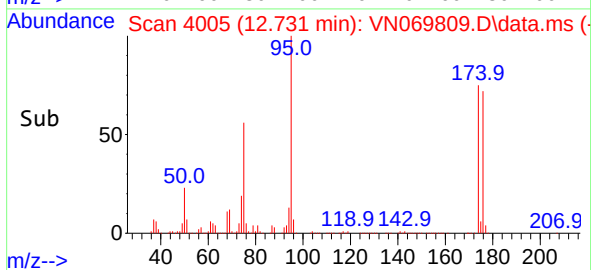
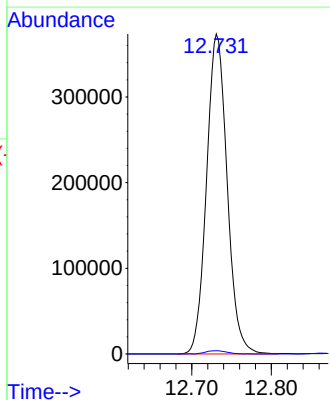
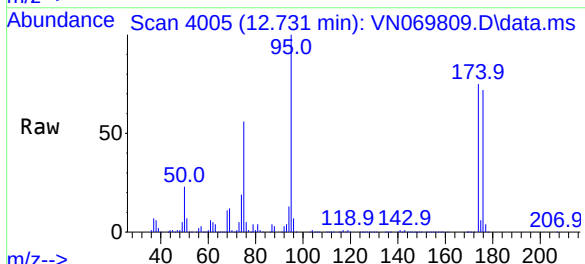
Instrument :
MSVOA_N
ClientSampleId :
TB03-20211205

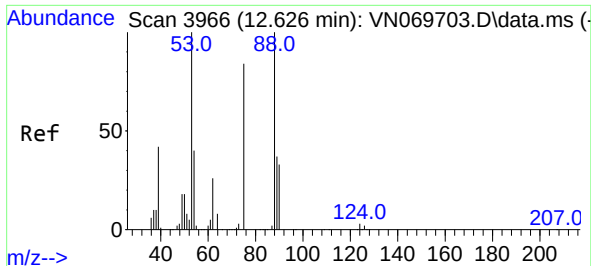
Tgt Ion:152 Resp: 965587
Ion Ratio Lower Upper
152 100
115 61.2 27.5 82.5
150 157.7 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 24.30 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069809.D
Acq: 7 Dec 2021 12:51

Tgt Ion: 75 Resp: 672923
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#

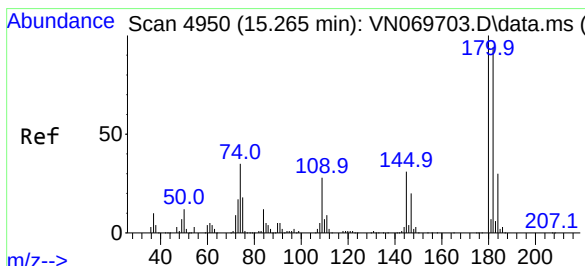
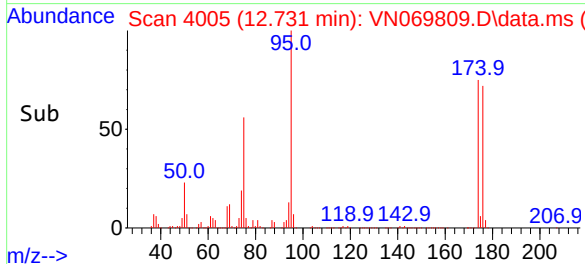
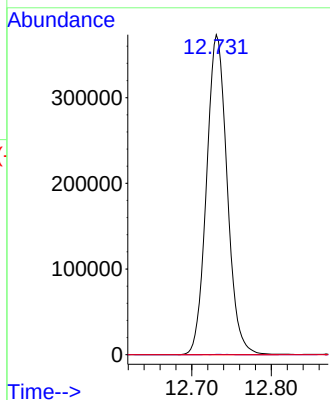
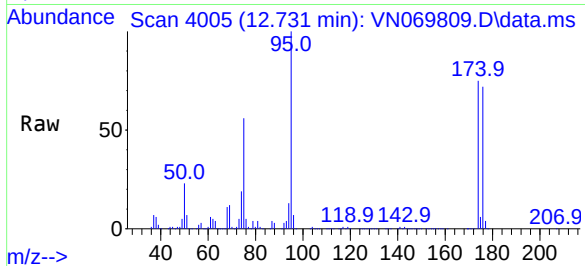




#81
trans-1,4-Dichloro-2-butene
Concen: 77.14 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069809.D
Acq: 7 Dec 2021 12:51

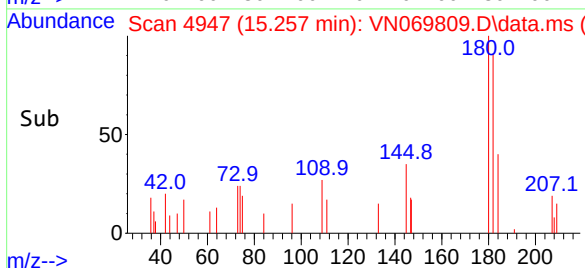
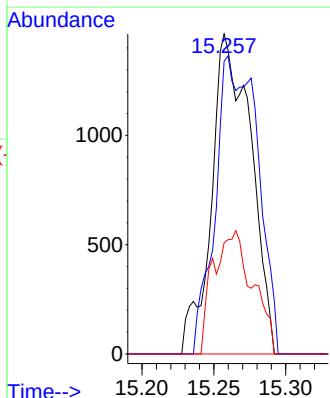
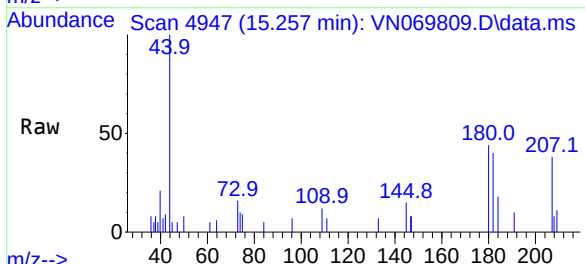
Instrument :
MSVOA_N
ClientSampleId :
TB03-20211205

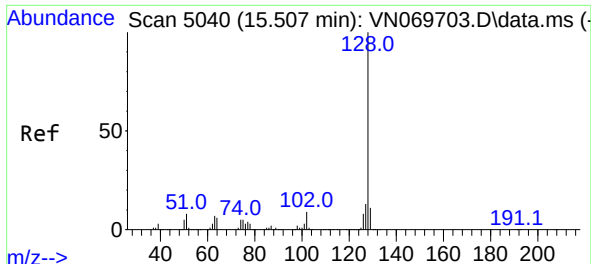
Tgt Ion: 75 Resp: 672923
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.04 ug/l
RT: 15.257 min Scan# 4947
Delta R.T. -0.008 min
Lab File: VN069809.D
Acq: 7 Dec 2021 12:51

Tgt Ion:180 Resp: 2786
Ion Ratio Lower Upper
180 100
182 49.6 48.3 144.9
145 38.5 14.5 43.5

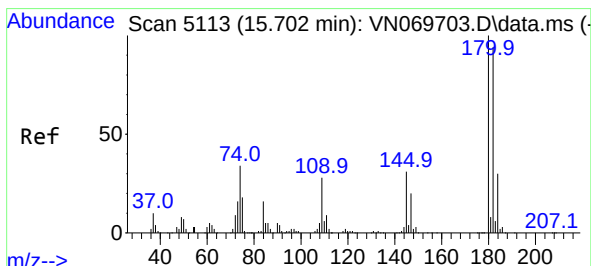
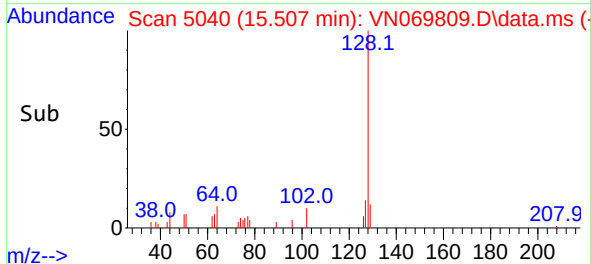
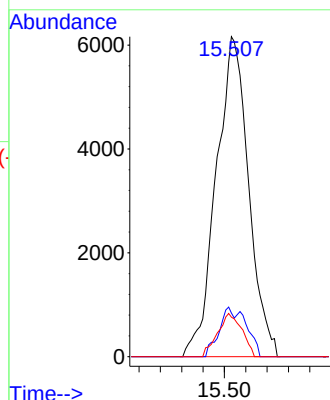
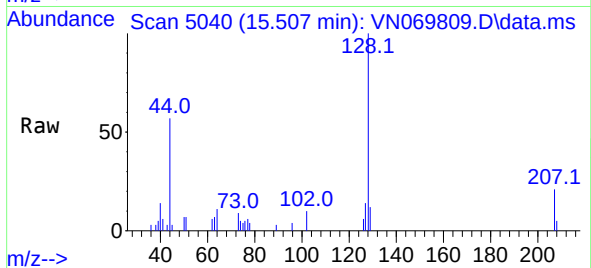




#95
Naphthalene
Concen: 4.24 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069809.D
Acq: 7 Dec 2021 12:51

Instrument :
MSVOA_N
ClientSampleId :
TB03-20211205

Tgt Ion:128 Resp: 12989
Ion Ratio Lower Upper
128 100
127 7.2 10.5 15.7#
129 10.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 2.65 ug/l
RT: 15.697 min Scan# 5111
Delta R.T. -0.005 min
Lab File: VN069809.D
Acq: 7 Dec 2021 12:51

Tgt Ion:180 Resp: 3506
Ion Ratio Lower Upper
180 100
182 97.1 47.4 142.2
145 28.7 15.0 45.1

