

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122221\
 Data File : VN070294.D
 Acq On : 22 Dec 2021 17:18
 Operator : JC/MD
 Sample : M5182-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 23 04:37:56 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)

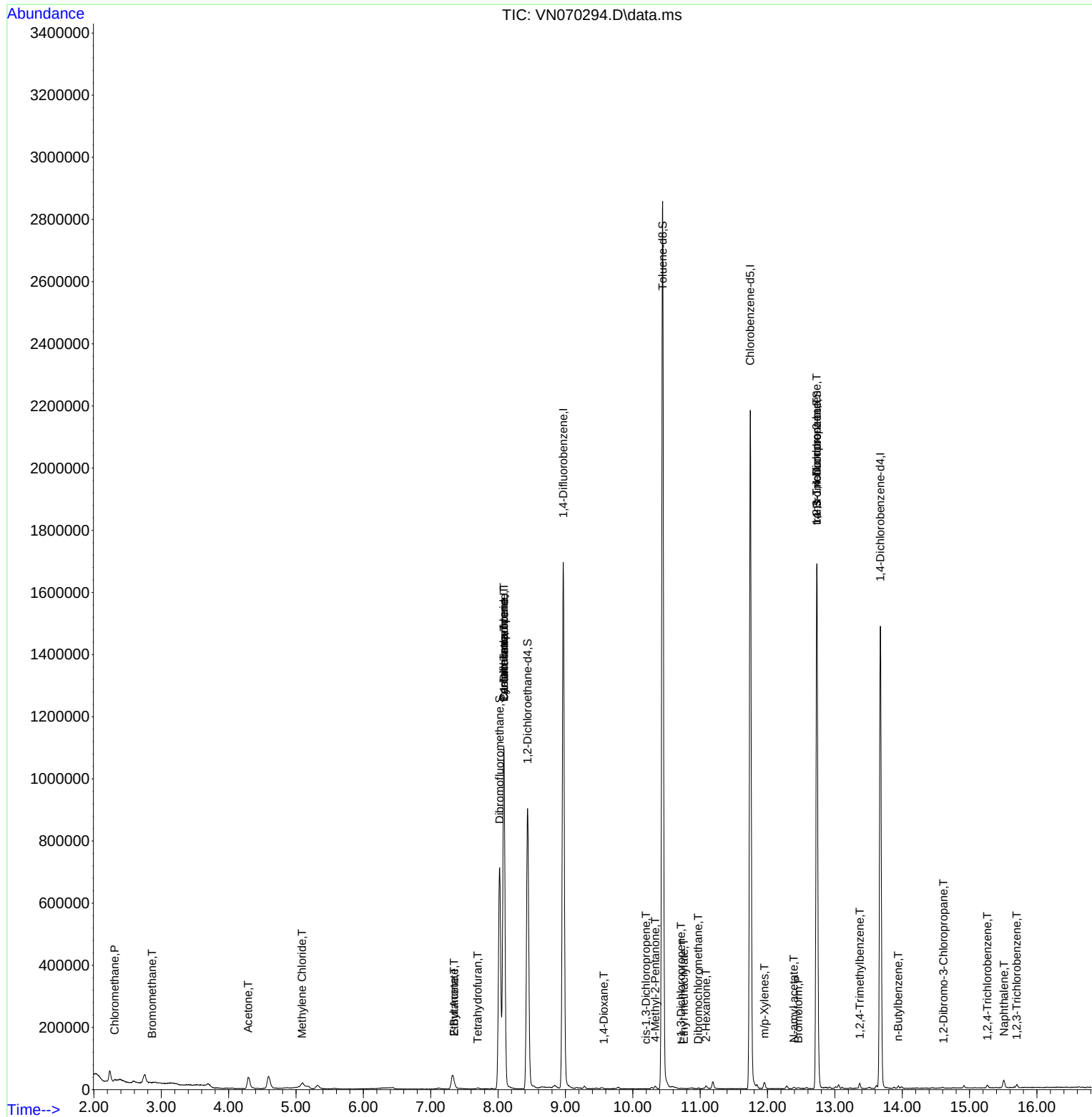
Internal Standards						
1) Pentafluorobenzene	8.086	168	820679	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.968	114	1422792	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1232681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	404201	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	784514	61.913	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 123.820%	
35) Dibromofluoromethane	8.021	113	522946	58.678	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 117.360%	
50) Toluene-d8	10.443	98	1958553	54.731	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 109.460%	
62) 4-Bromofluorobenzene	12.734	95	607999	46.899	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 93.800%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.309	50	3325	0.277	ug/l	96
5) Bromomethane	2.864	94	1473	0.246	ug/l	88
16) Acetone	4.291	43	69749	9.151	ug/l	95
20) Methylene Chloride	5.090	84	8707	0.859	ug/l #	93
25) 2-Butanone	7.348	43	20403	1.970	ug/l #	89
29) Tetrahydrofuran	7.697	42	1425	0.227	ug/l #	78
31) Cyclohexane	8.086	56	20616	1.169	ug/l #	6
36) 1,1-Dichloropropene	8.086	75	69404	5.124	ug/l #	49
37) Ethyl Acetate	7.348	43	20403	1.012	ug/l #	78
38) Carbon Tetrachloride	8.086	117	83171	6.262	ug/l #	16
49) 1,4-Dioxane	9.569	88	59	0.236	ug/l #	61
51) 4-Methyl-2-Pentanone	10.333	43	5414	0.280	ug/l #	86
53) t-1,3-Dichloropropene	10.717	75	674	2.832	ug/l #	40
54) cis-1,3-Dichloropropene	10.196	75	550	2.029	ug/l #	44
56) Ethyl methacrylate	10.757	69	278	2.293	ug/l #	51
59) 2-Hexanone	11.087	43	8400	0.574	ug/l	86
60) Dibromochloromethane	10.972	129	654	2.433	ug/l #	11
68) m/p-Xylenes	11.956	106	6318	0.382	ug/l	86
71) Bromoform	12.457	173	84	2.741	ug/l #	29
74) N-amyl acetate	12.390	43	3617	0.227	ug/l #	83
76) 1,2,3-Trichloropropane	12.731	75	329722	28.445	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	329722	89.597	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.372	105	9197	0.334	ug/l	95
89) n-Butylbenzene	13.940	91	4660	0.211	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.611	75	586	0.261	ug/l #	32
93) 1,2,4-Trichlorobenzene	15.263	180	3559	3.384	ug/l	89
95) Naphthalene	15.509	128	24052	5.106	ug/l	98
96) 1,2,3-Trichlorobenzene	15.700	180	3637	2.971	ug/l	97

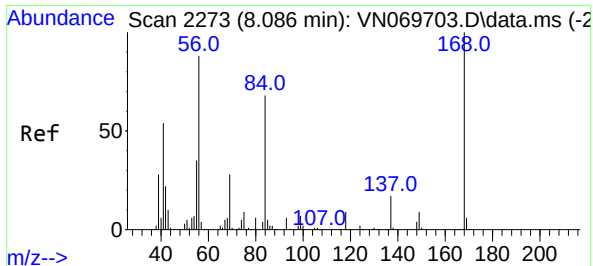
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122221\
Data File : VN070294.D
Acq On : 22 Dec 2021 17:18
Operator : JC/MD
Sample : M5182-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

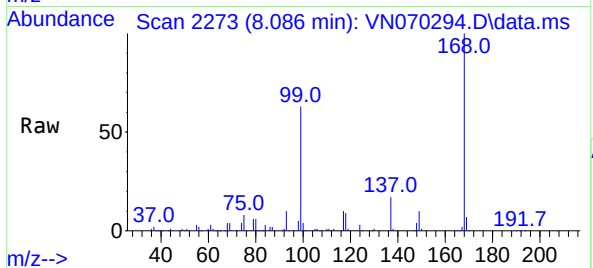
Quant Time: Dec 23 04:37:56 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration



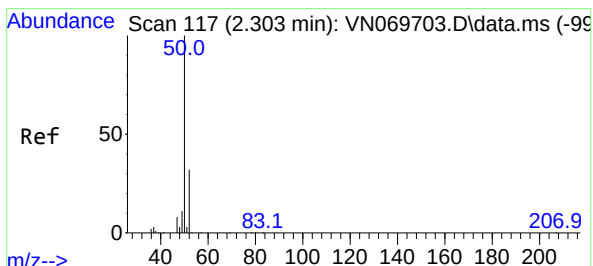
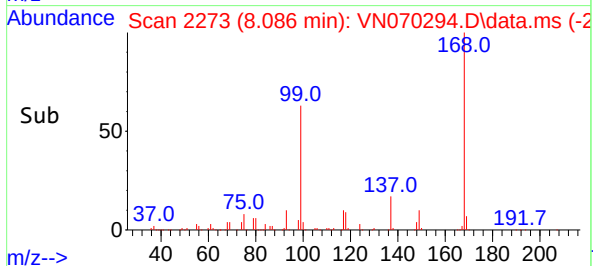
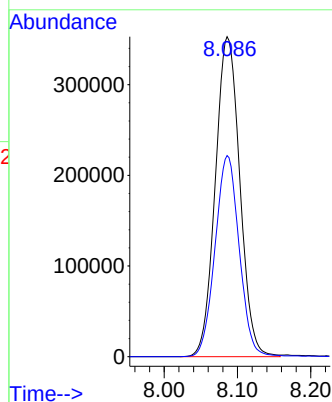


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070294.D
Acq: 22 Dec 2021 17:18

Instrument :
MSVOA_N
ClientSampleId :

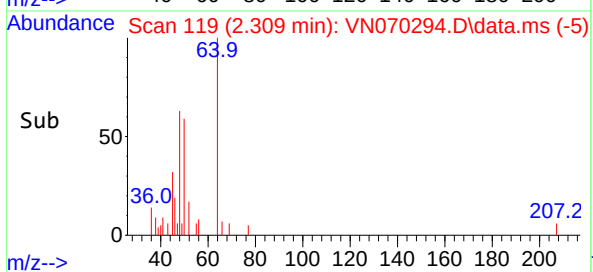
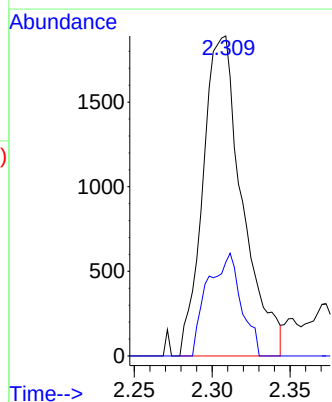
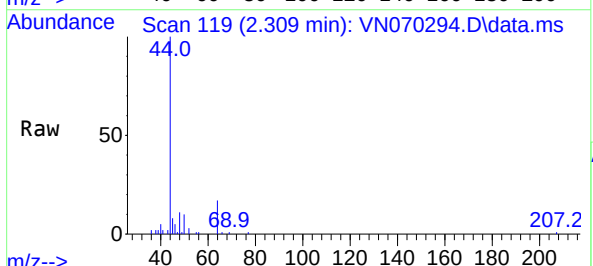


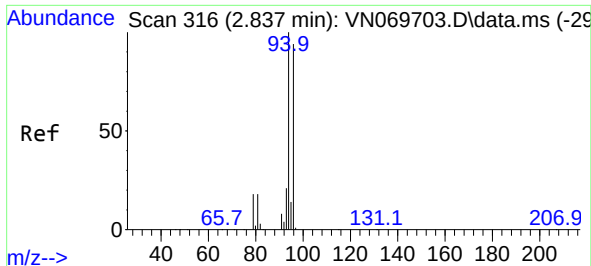
Tgt Ion:168 Resp: 820679
Ion Ratio Lower Upper
168 100
99 62.8 41.3 61.9#



#3
Chloromethane
Concen: 0.277 ug/l
RT: 2.309 min Scan# 119
Delta R.T. 0.006 min
Lab File: VN070294.D
Acq: 22 Dec 2021 17:18

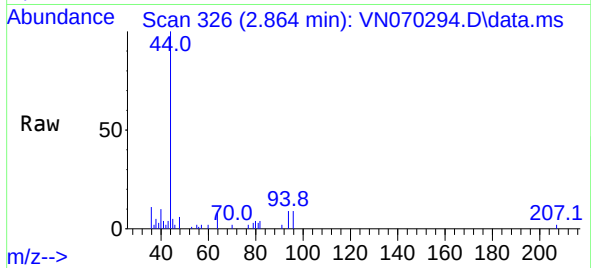
Tgt Ion: 50 Resp: 3325
Ion Ratio Lower Upper
50 100
52 29.3 25.4 38.0



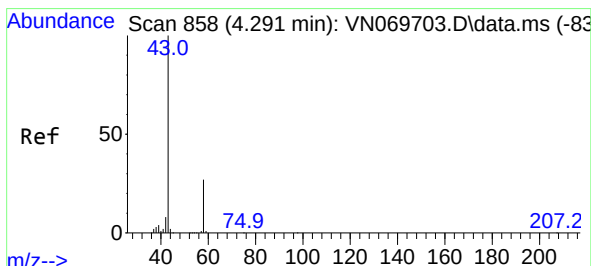
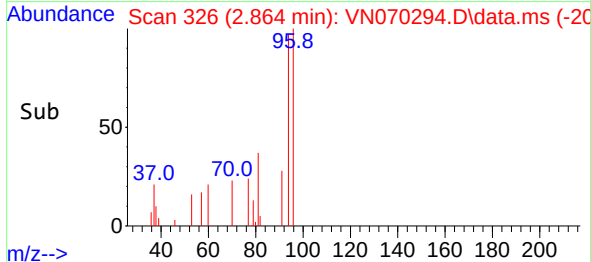
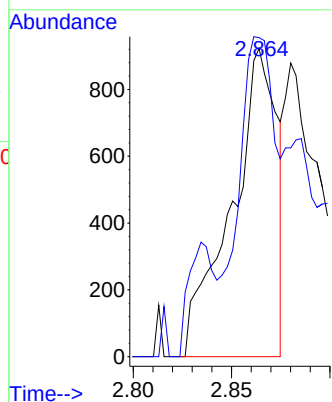


#5
Bromomethane
Concen: 0.246 ug/l
RT: 2.864 min Scan# 316
Delta R.T. 0.027 min
Lab File: VN070294.D
Acq: 22 Dec 2021 17:18

Instrument :
MSVOA_N
ClientSampleId :

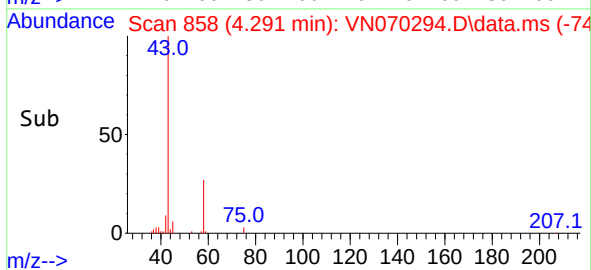
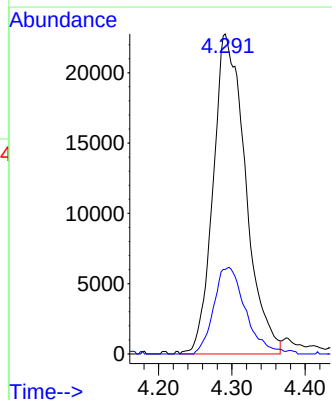
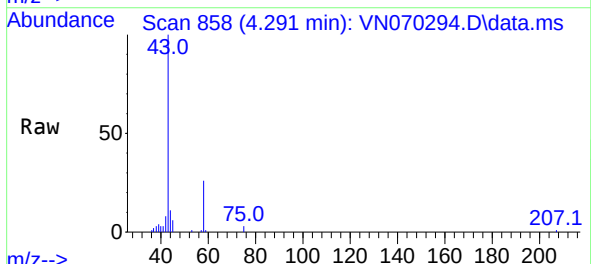


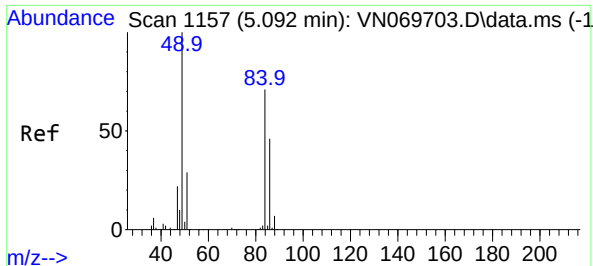
Tgt Ion: 94 Resp: 1473
Ion Ratio Lower Upper
94 100
96 103.5 73.8 110.8



#16
Acetone
Concen: 9.151 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.000 min
Lab File: VN070294.D
Acq: 22 Dec 2021 17:18

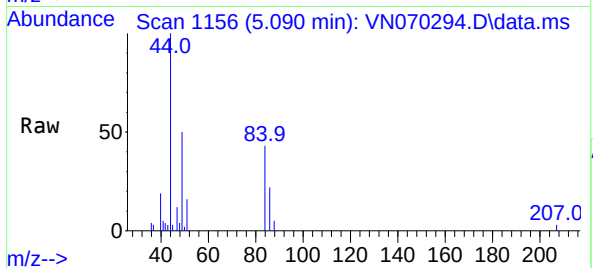
Tgt Ion: 43 Resp: 69749
Ion Ratio Lower Upper
43 100
58 26.4 23.1 34.7



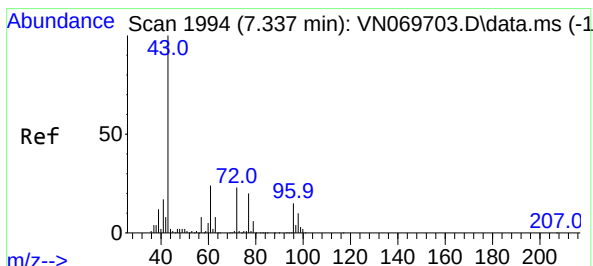
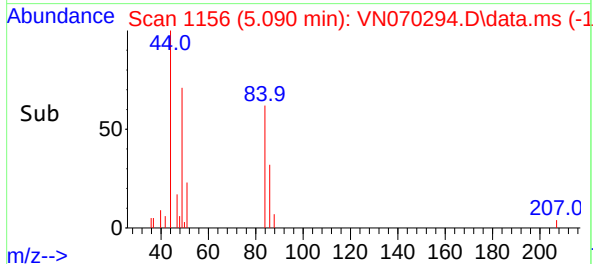
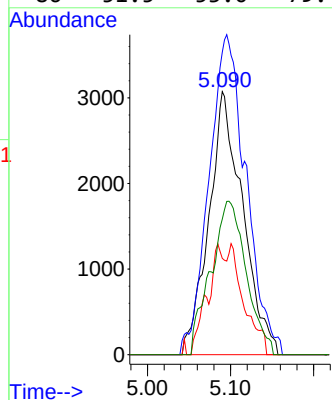


#20
Methylene Chloride
Concen: 0.859 ug/l
RT: 5.090 min Scan# 1157
Delta R.T. -0.002 min
Lab File: VN070294.D
Acq: 22 Dec 2021 17:18

Instrument :
MSVOA_N
ClientSampleId :

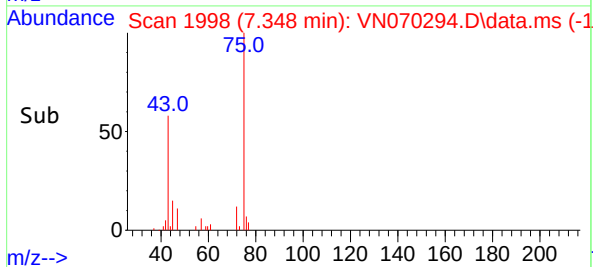
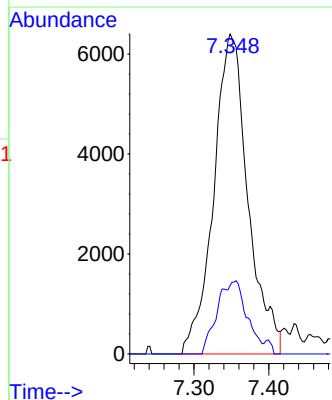
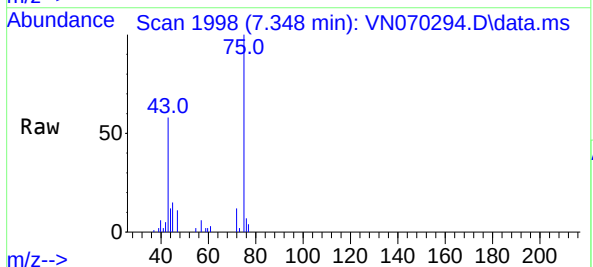


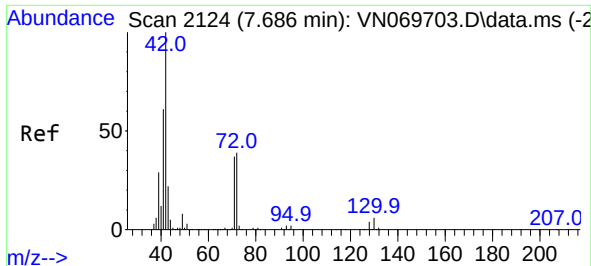
Tgt Ion: 84 Resp: 8707
Ion Ratio Lower Upper
84 100
49 114.9 93.5 140.3
51 36.6 29.4 44.2
86 51.5 53.0 79.4#



#25
2-Butanone
Concen: 1.970 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.011 min
Lab File: VN070294.D
Acq: 22 Dec 2021 17:18

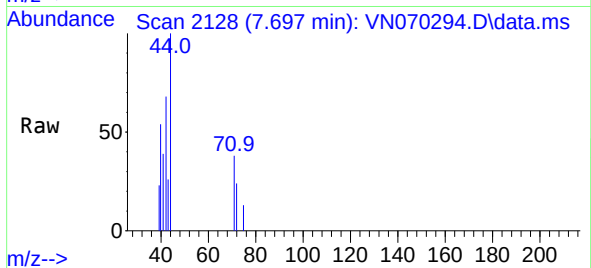
Tgt Ion: 43 Resp: 20403
Ion Ratio Lower Upper
43 100
72 21.4 21.7 32.5#



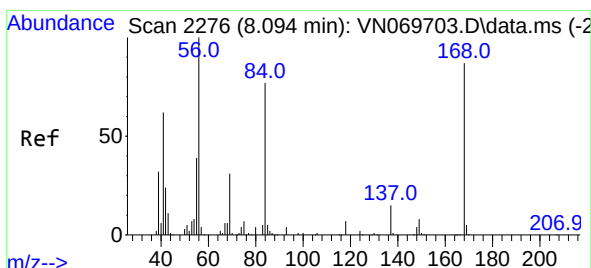
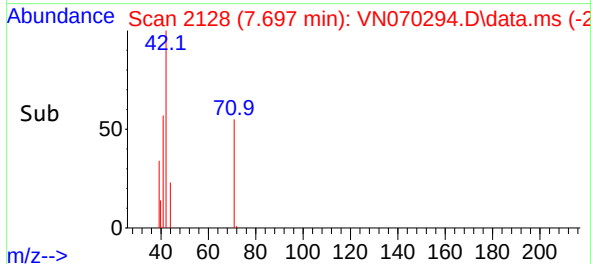
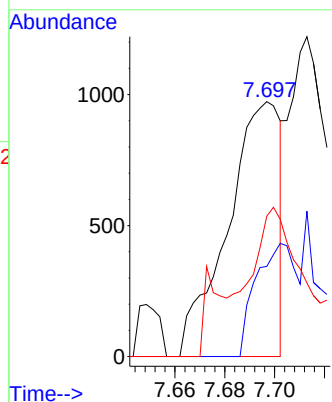


#29
Tetrahydrofuran
Concen: 0.227 ug/l
RT: 7.697 min Scan# 2124
Delta R.T. 0.011 min
Lab File: VN070294.D
Acq: 22 Dec 2021 17:18

Instrument :
MSVOA_N
ClientSampleId :

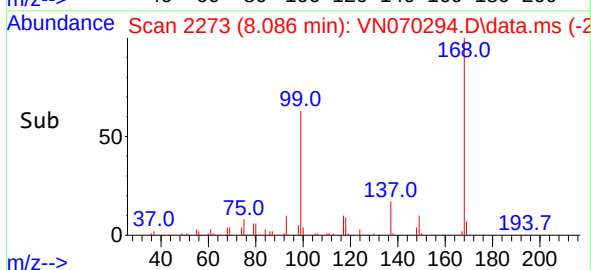
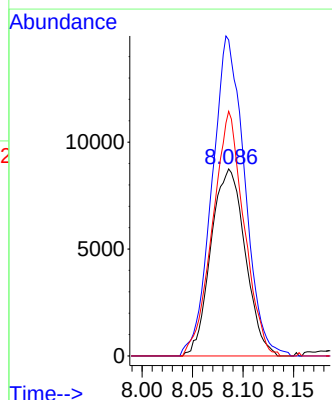
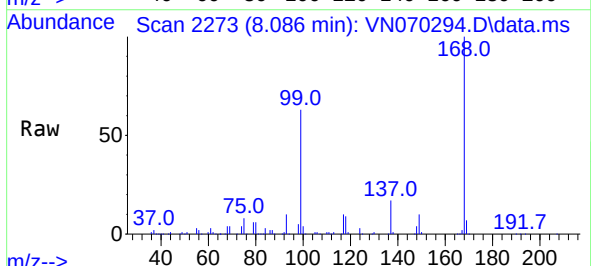


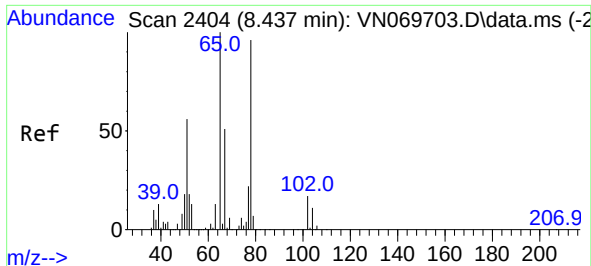
Tgt Ion: 42 Resp: 1425
Ion Ratio Lower Upper
42 100
72 34.2 36.3 54.5#
71 60.4 34.7 52.1#



#31
Cyclohexane
Concen: 1.169 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN070294.D
Acq: 22 Dec 2021 17:18

Tgt Ion: 56 Resp: 20616
Ion Ratio Lower Upper
56 100
69 168.9 27.1 40.7#
84 130.8 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 61.913 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. 0.000 min

Lab File: VN070294.D

Acq: 22 Dec 2021 17:18

Instrument :

MSVOA_N

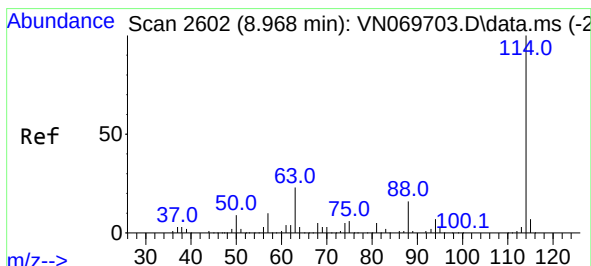
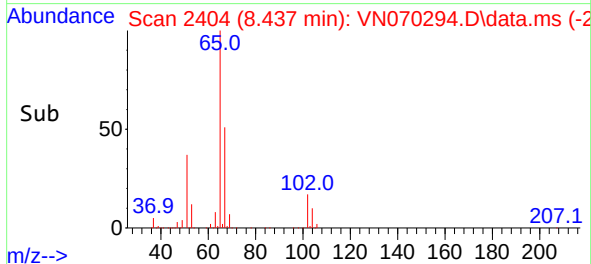
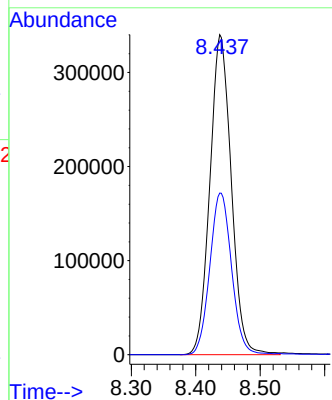
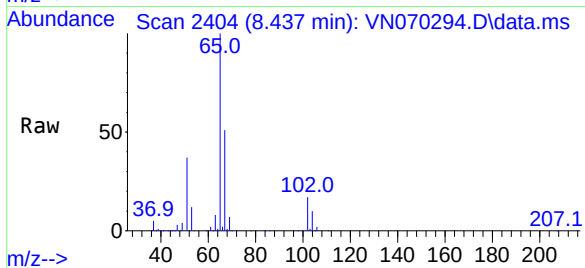
ClientSampleId :

Tgt Ion: 65 Resp: 784514

Ion Ratio Lower Upper

65 100

67 51.4 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.000 min

Lab File: VN070294.D

Acq: 22 Dec 2021 17:18

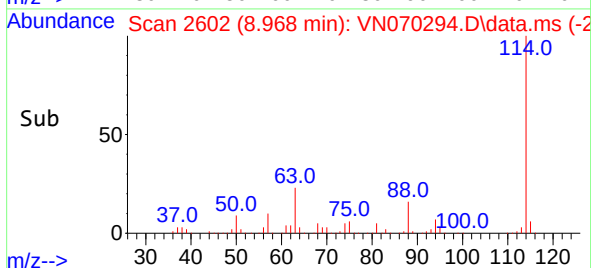
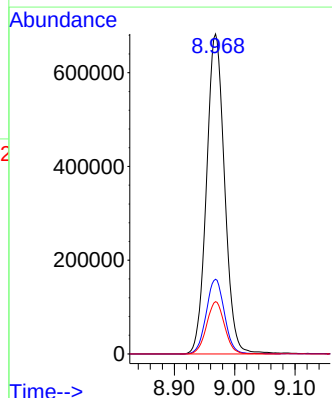
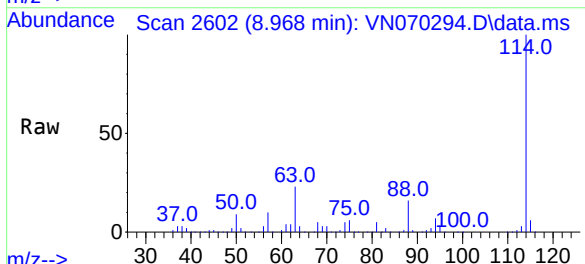
Tgt Ion: 114 Resp: 1422792

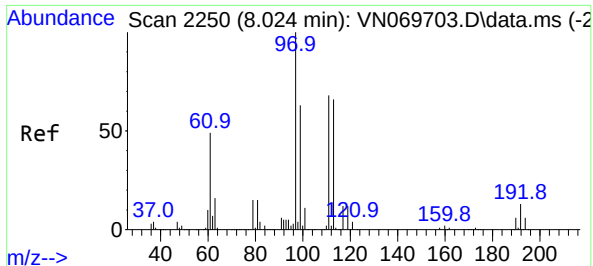
Ion Ratio Lower Upper

114 100

63 23.4 0.0 37.8

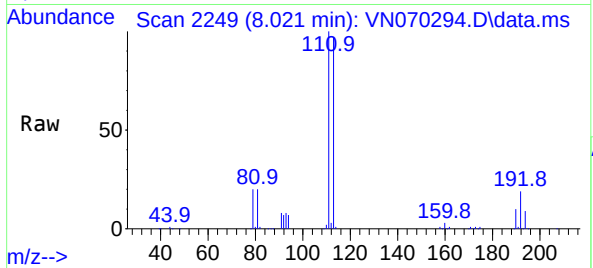
88 16.4 0.0 27.4



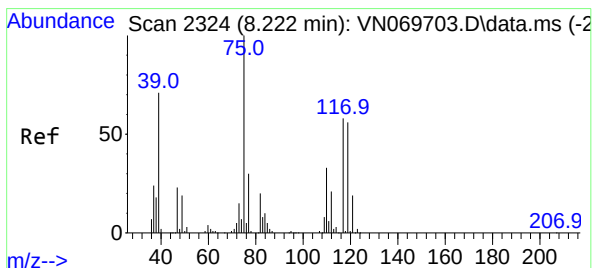
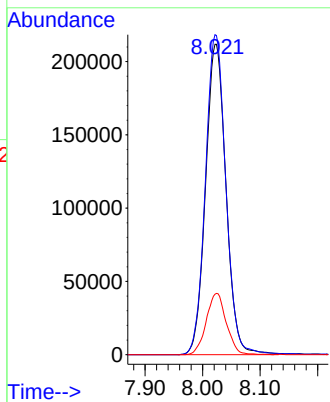
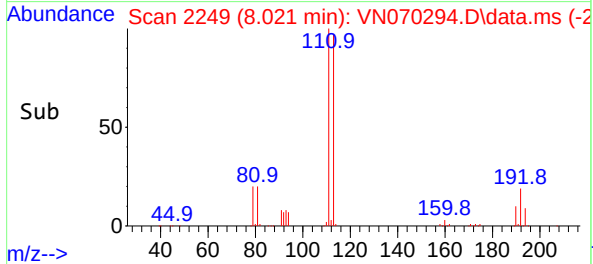


#35
Dibromofluoromethane
Concen: 58.678 ug/l
RT: 8.021 min Scan# 21
Delta R.T. -0.002 min
Lab File: VN070294.D
Acq: 22 Dec 2021 17:18

Instrument :
MSVOA_N
ClientSampleId :

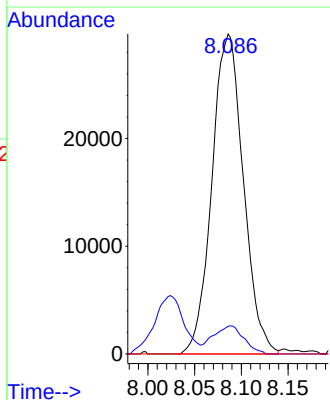
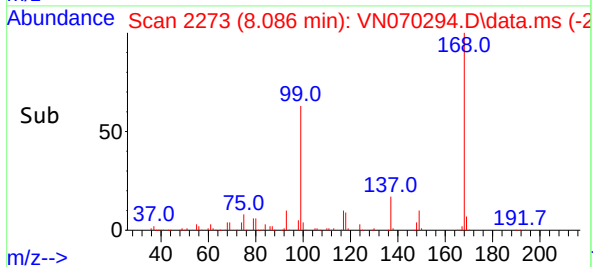
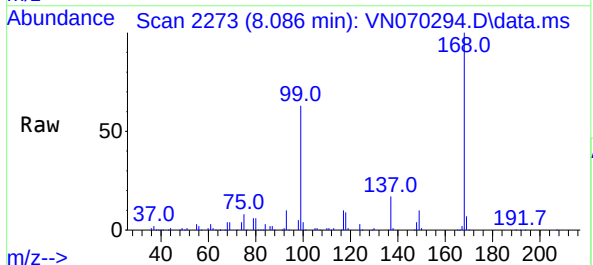


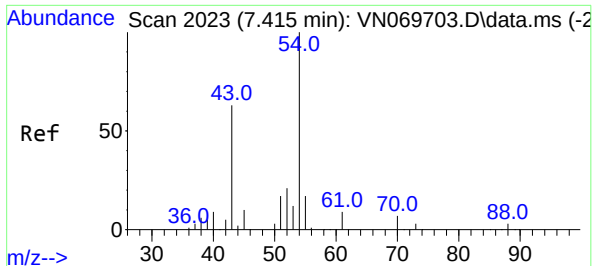
Tgt Ion:113 Resp: 522946
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 19.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.124 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN070294.D
Acq: 22 Dec 2021 17:18

Tgt Ion: 75 Resp: 69404
Ion Ratio Lower Upper
75 100
110 8.7 18.4 55.2#
77 0.0 24.4 36.6#

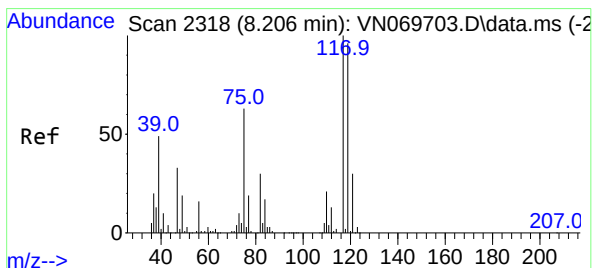
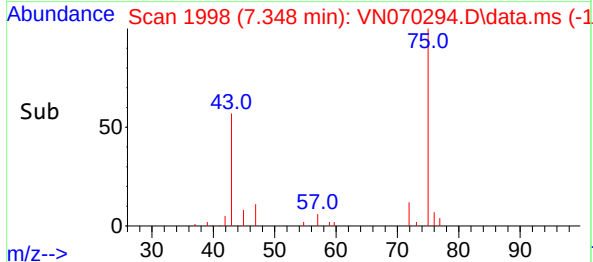
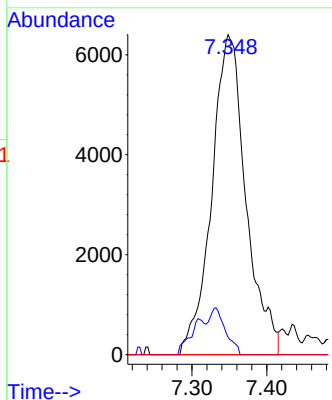
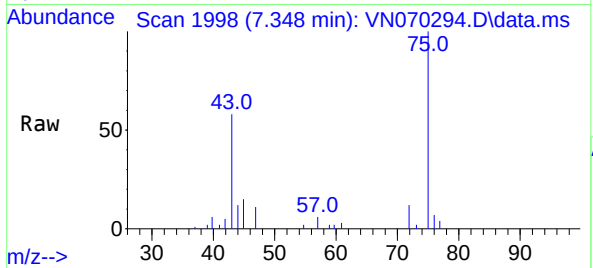




#37
Ethyl Acetate
Concen: 1.012 ug/l
RT: 7.348 min Scan# 19
Delta R.T. -0.067 min
Lab File: VN070294.D
Acq: 22 Dec 2021 17:18

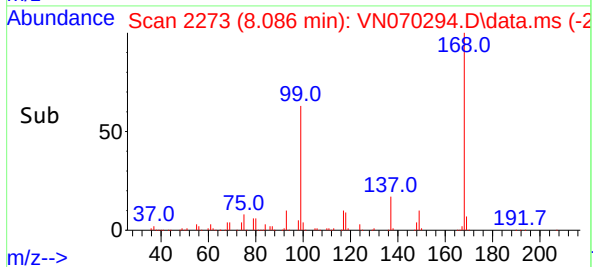
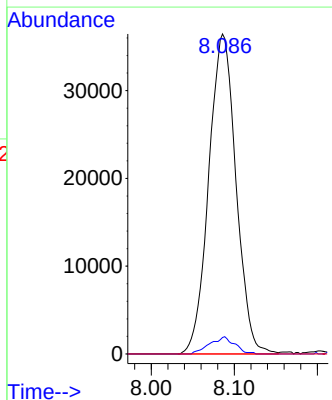
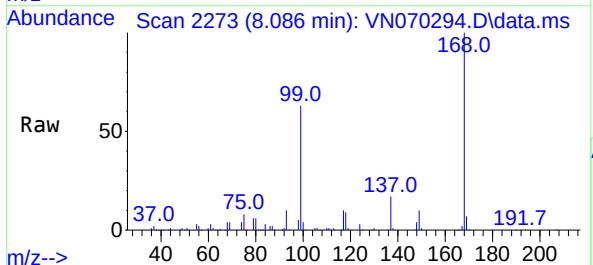
Instrument :
MSVOA_N
ClientSampleId :

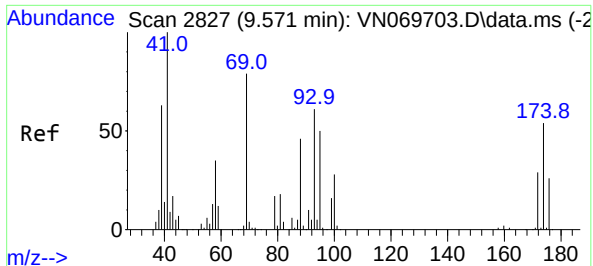
Tgt Ion: 43	Resp: 20403
Ion Ratio	Lower Upper
43 100	
61 6.5	11.5 17.3#
70 0.0	7.9 11.9#



#38
Carbon Tetrachloride
Concen: 6.262 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN070294.D
Acq: 22 Dec 2021 17:18

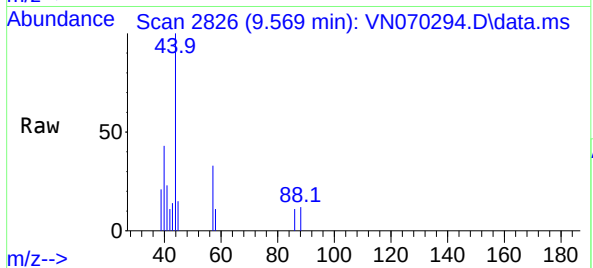
Tgt	Ion:117	Resp:	83171
Ion	Ratio	Lower	Upper
117	100		
119	5.2	76.1	114.1#
121	0.0	24.2	36.2#



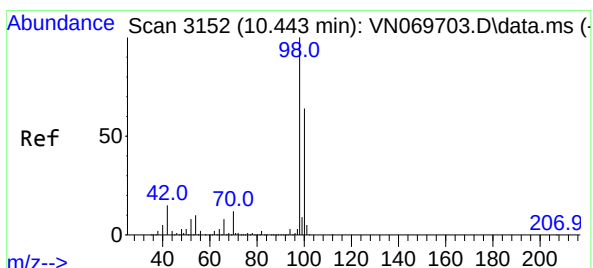
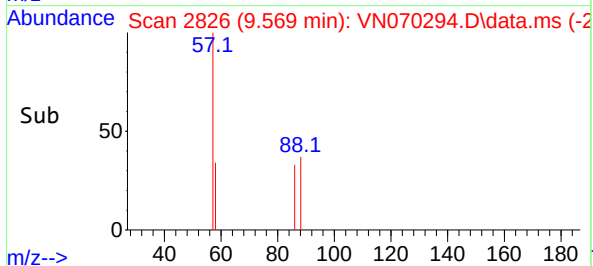
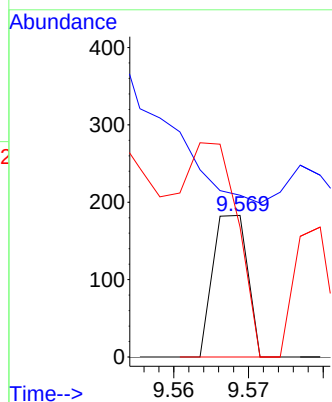


#49
1,4-Dioxane
Concen: 0.236 ug/l
RT: 9.569 min Scan# 21
Delta R.T. -0.002 min
Lab File: VN070294.D
Acq: 22 Dec 2021 17:18

Instrument :
MSVOA_N
ClientSampleId :

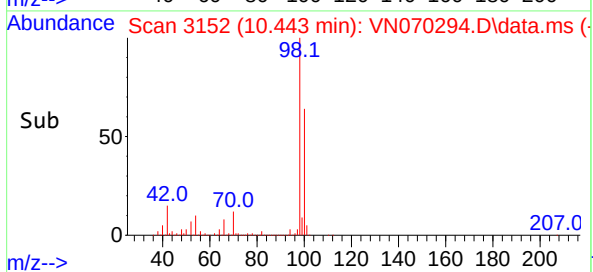
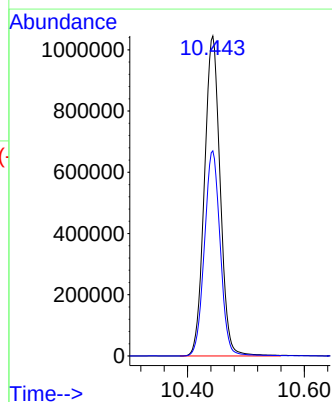
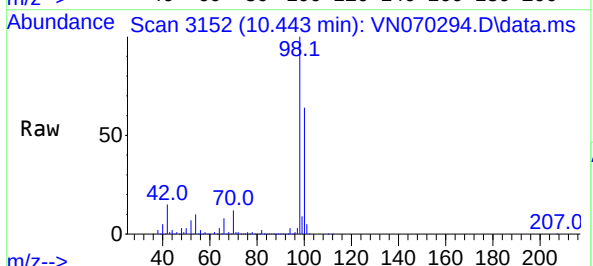


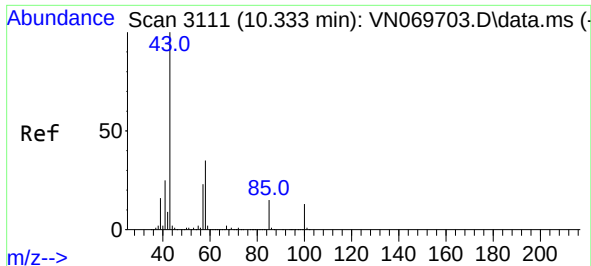
Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 88.1 50.6 75.8#



#50
Toluene-d8
Concen: 54.731 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN070294.D
Acq: 22 Dec 2021 17:18

Tgt Ion: 98 Resp: 1958553
Ion Ratio Lower Upper
98 100
100 64.0 50.4 75.6

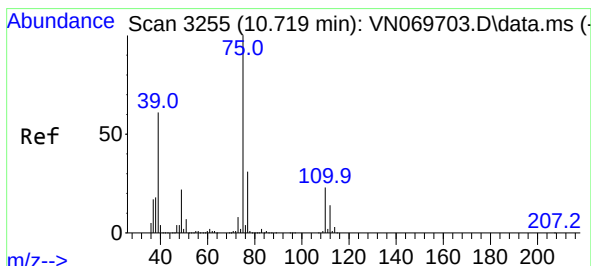
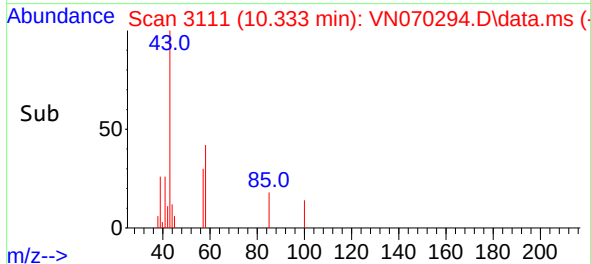
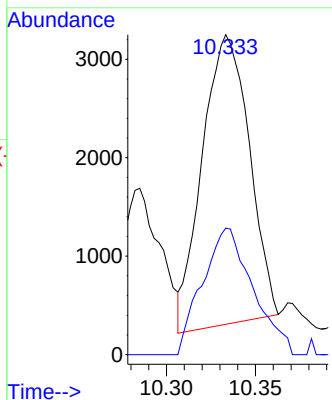
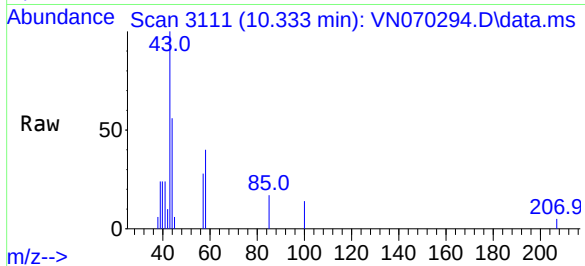




#51
4-Methyl-2-Pentanone
Concen: 0.280 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN070294.D
Acq: 22 Dec 2021 17:18

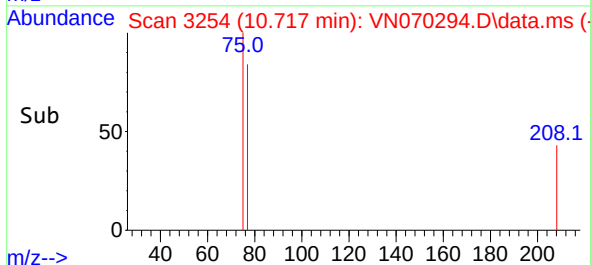
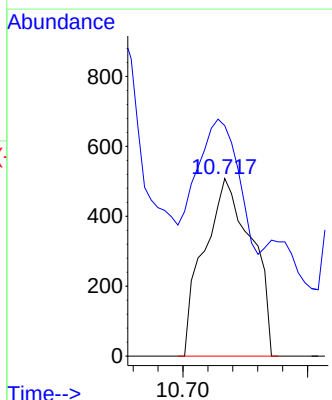
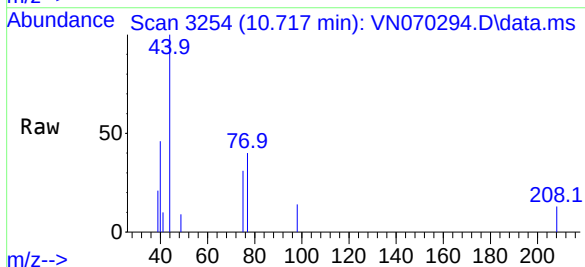
Instrument :
MSVOA_N
ClientSampleId :

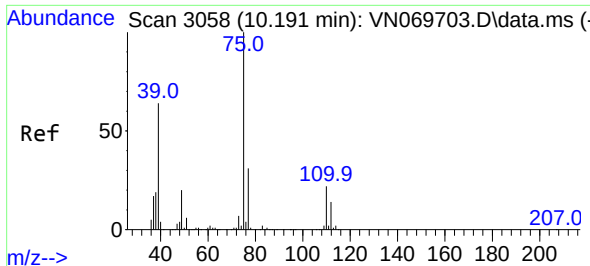
Tgt Ion: 43 Resp: 5414
Ion Ratio Lower Upper
43 100
58 46.7 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 2.832 ug/l
RT: 10.717 min Scan# 3254
Delta R.T. -0.002 min
Lab File: VN070294.D
Acq: 22 Dec 2021 17:18

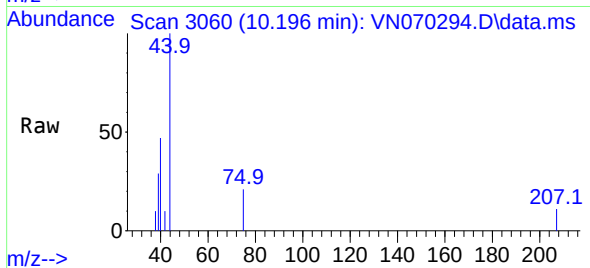
Tgt Ion: 75 Resp: 674
Ion Ratio Lower Upper
75 100
77 65.4 25.6 38.4#



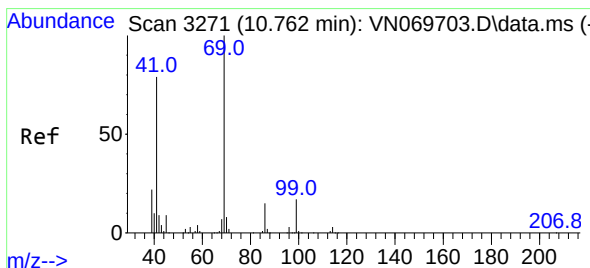
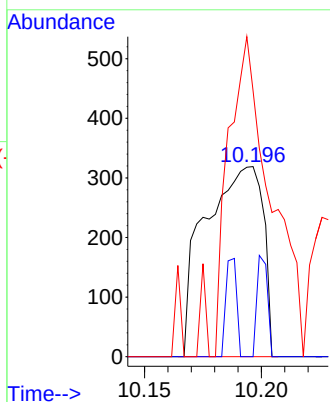
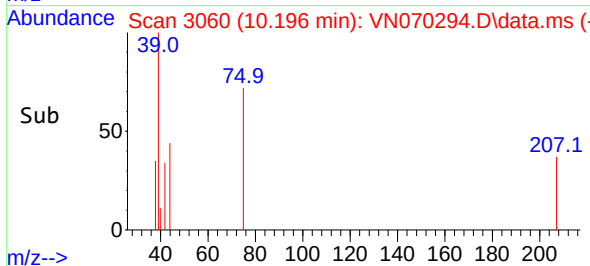


#54
cis-1,3-Dichloropropene
Concen: 2.029 ug/l
RT: 10.196 min Scan# 3058
Delta R.T. 0.005 min
Lab File: VN070294.D
Acq: 22 Dec 2021 17:18

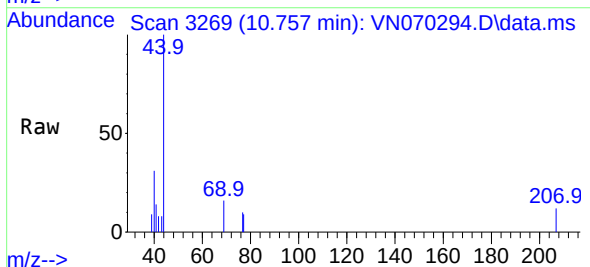
Instrument :
MSVOA_N
ClientSampleId :



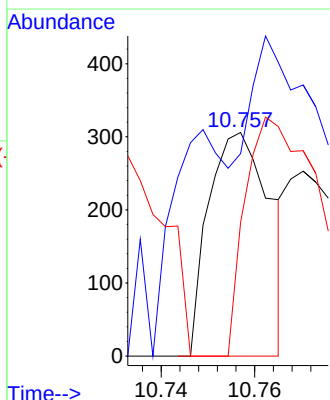
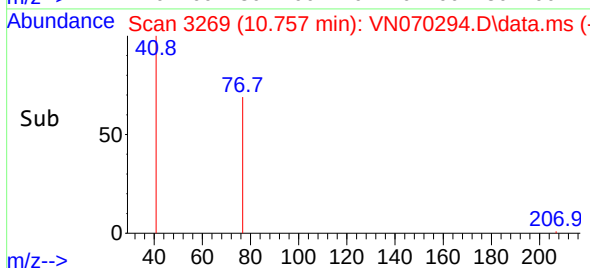
Tgt Ion: 75 Resp: 550
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
39 91.8 42.5 63.7#

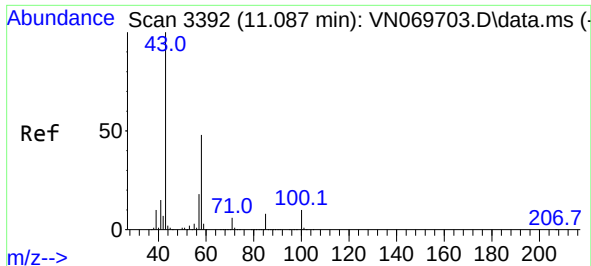


#56
Ethyl methacrylate
Concen: 2.293 ug/l
RT: 10.757 min Scan# 3269
Delta R.T. -0.005 min
Lab File: VN070294.D
Acq: 22 Dec 2021 17:18



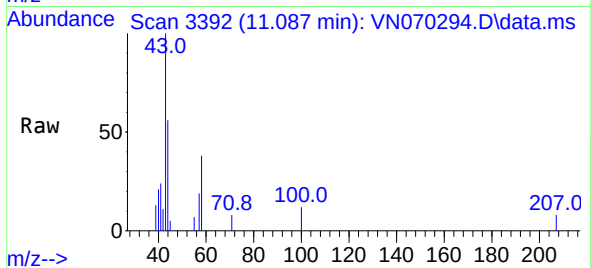
Tgt Ion: 69 Resp: 278
Ion Ratio Lower Upper
69 100
41 65.1 51.4 77.0
39 120.5 34.6 52.0#



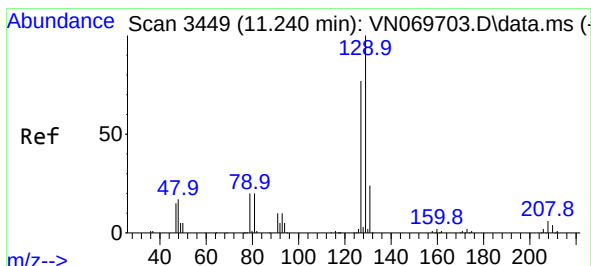
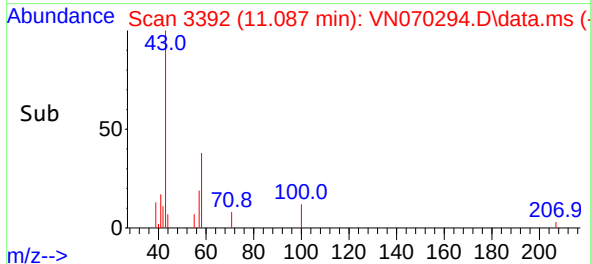
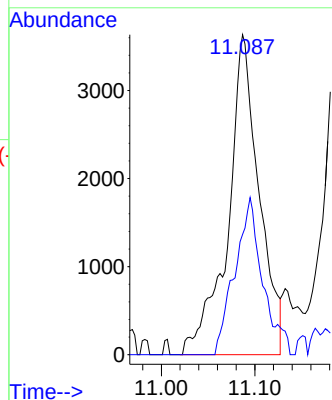


#59
2-Hexanone
Concen: 0.574 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. -0.000 min
Lab File: VN070294.D
Acq: 22 Dec 2021 17:18

Instrument :
MSVOA_N
ClientSampleId :

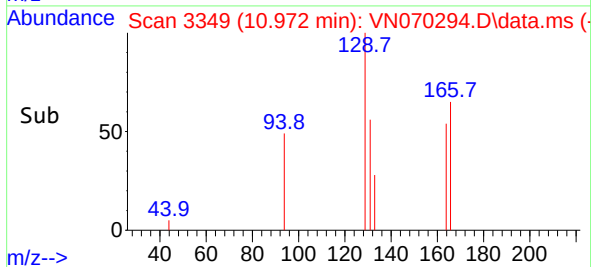
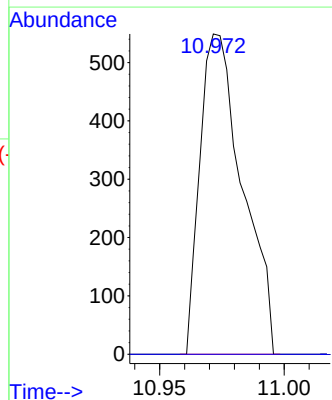
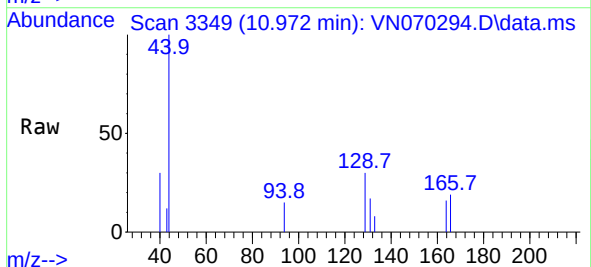


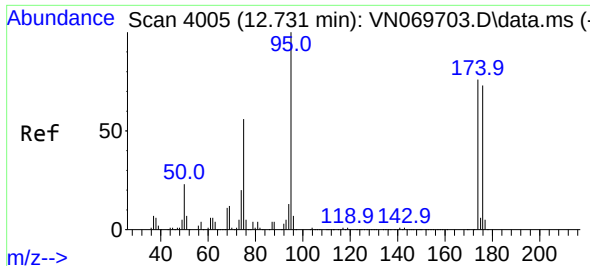
Tgt Ion: 43 Resp: 8400
Ion Ratio Lower Upper
43 100
58 43.7 26.9 80.7



#60
Dibromochloromethane
Concen: 2.433 ug/l
RT: 10.972 min Scan# 3349
Delta R.T. -0.268 min
Lab File: VN070294.D
Acq: 22 Dec 2021 17:18

Tgt Ion: 129 Resp: 654
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

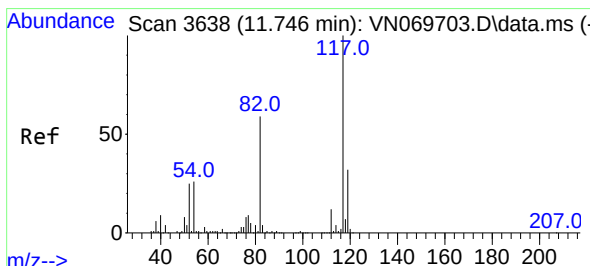
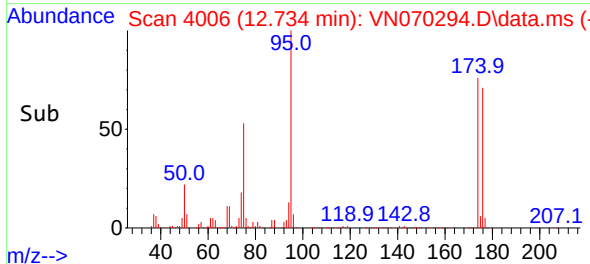
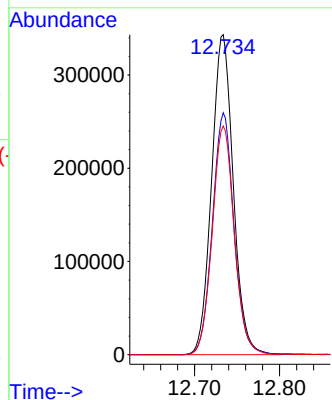
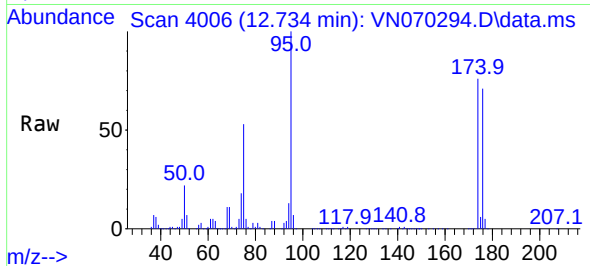




#62
4-Bromofluorobenzene
Concen: 46.899 ug/l
RT: 12.734 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070294.D
Acq: 22 Dec 2021 17:18

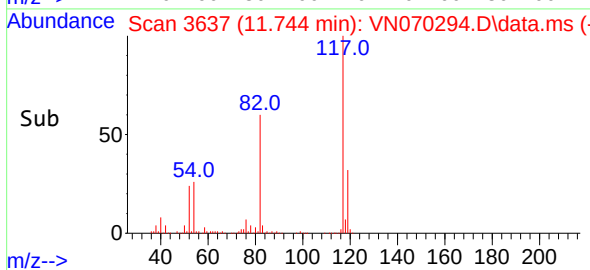
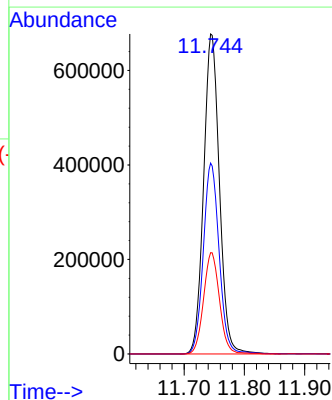
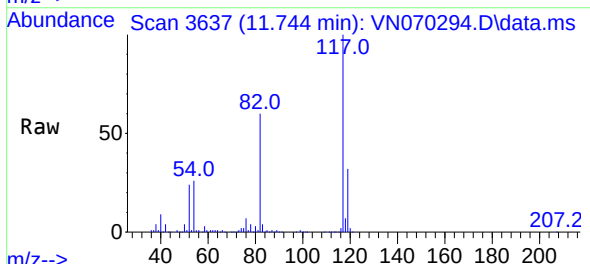
Instrument :
MSVOA_N
ClientSampleId :

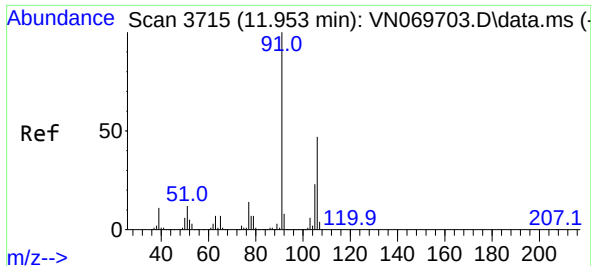
Tgt Ion: 95 Resp: 607999
Ion Ratio Lower Upper
95 100
174 75.6 0.0 187.2
176 72.5 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN070294.D
Acq: 22 Dec 2021 17:18

Tgt Ion: 117 Resp: 1232681
Ion Ratio Lower Upper
117 100
82 59.6 42.4 63.6
119 31.7 25.4 38.2

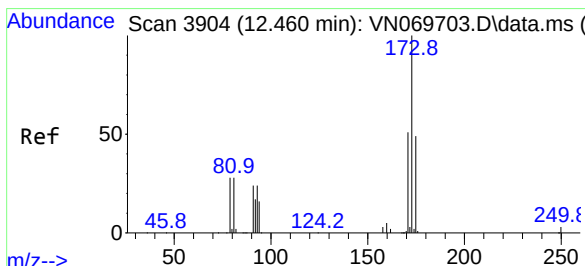
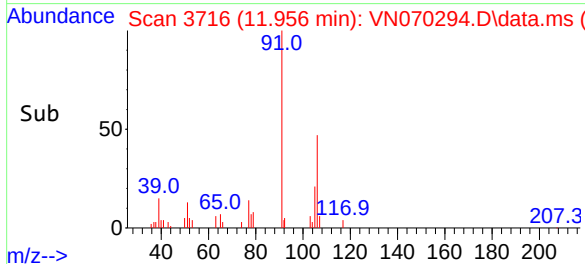
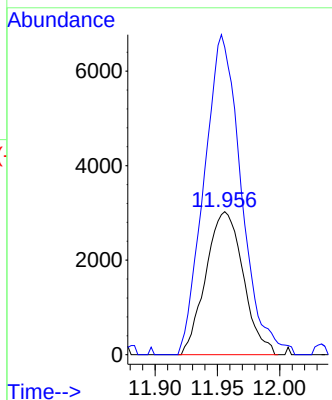
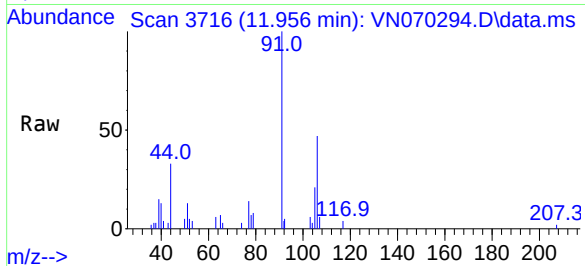




#68
m/p-Xylenes
Concen: 0.382 ug/l
RT: 11.956 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN070294.D
Acq: 22 Dec 2021 17:18

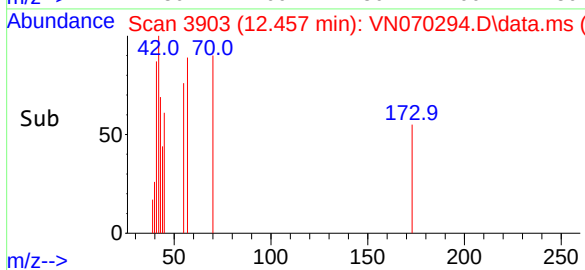
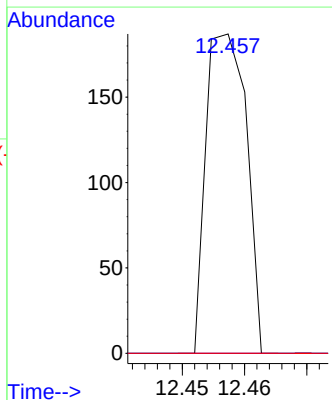
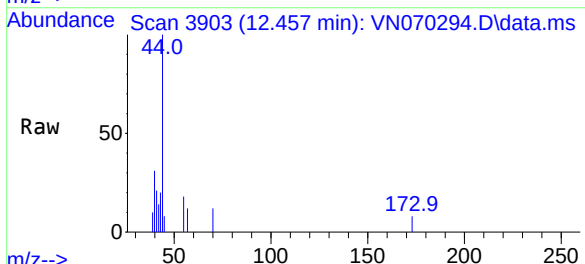
Instrument :
MSVOA_N
ClientSampleId :

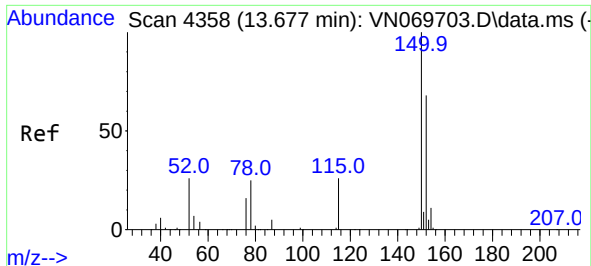
Tgt Ion:106 Resp: 6318
Ion Ratio Lower Upper
106 100
91 221.7 160.6 240.8



#71
Bromoform
Concen: 2.741 ug/l
RT: 12.457 min Scan# 3903
Delta R.T. -0.003 min
Lab File: VN070294.D
Acq: 22 Dec 2021 17:18

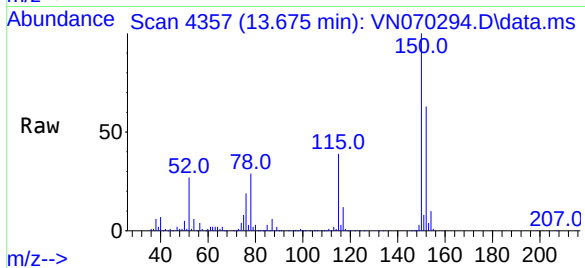
Tgt Ion:173 Resp: 84
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



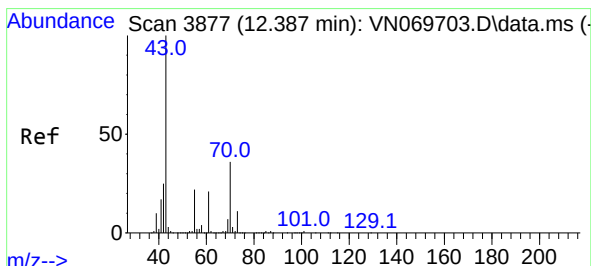
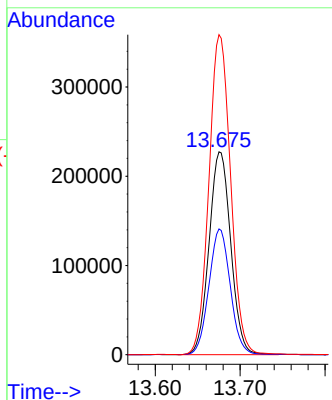
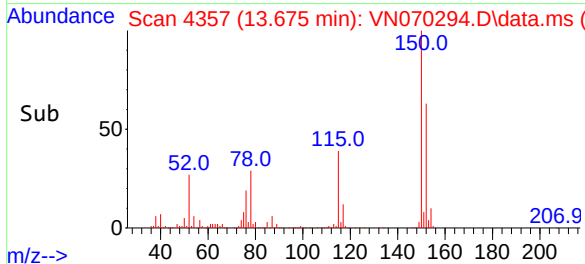


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.002 min
Lab File: VN070294.D
Acq: 22 Dec 2021 17:18

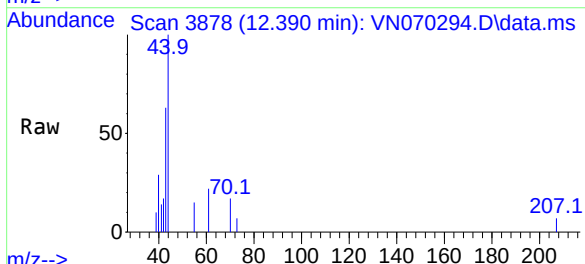
Instrument :
MSVOA_N
ClientSampleId :



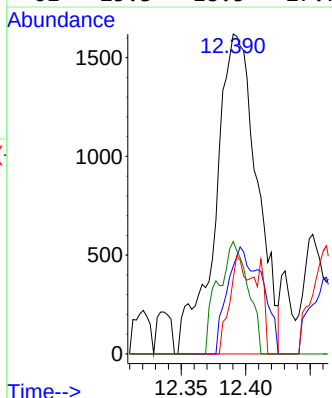
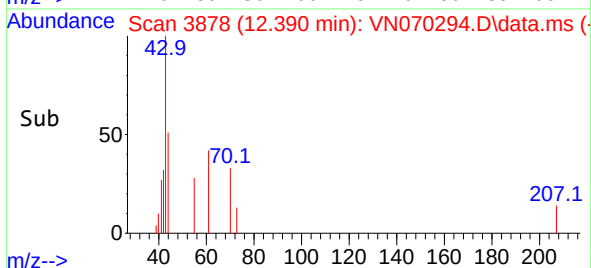
Tgt Ion:152 Resp: 404201
Ion Ratio Lower Upper
152 100
115 61.2 27.5 82.5
150 157.6 0.0 344.4

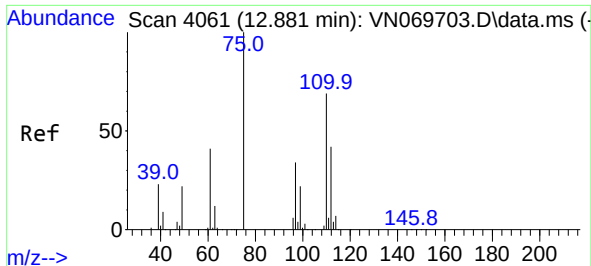


#74
N-ethyl acetate
Concen: 0.227 ug/l
RT: 12.390 min Scan# 3878
Delta R.T. 0.003 min
Lab File: VN070294.D
Acq: 22 Dec 2021 17:18



Tgt Ion: 43 Resp: 3617
Ion Ratio Lower Upper
43 100
70 27.7 33.4 50.0#
55 13.8 19.3 28.9#
61 25.3 18.5 27.7

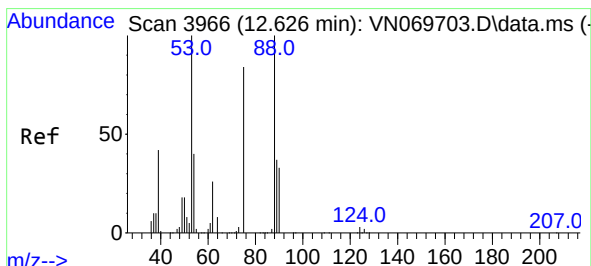
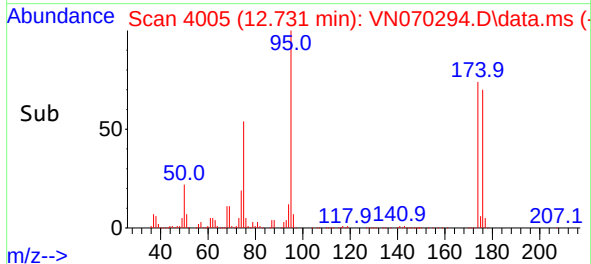
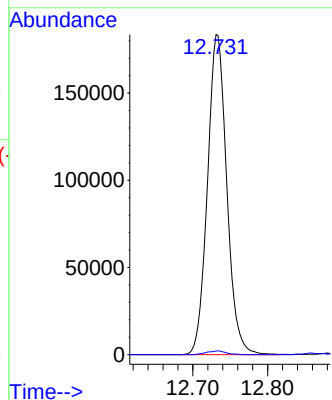
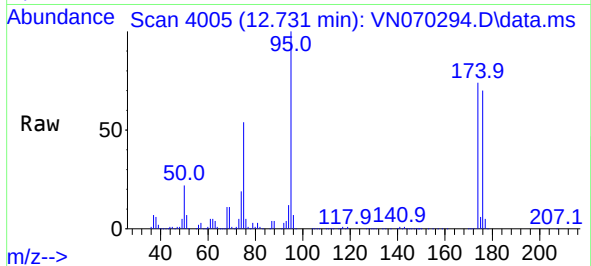




#76
1,2,3-Trichloropropane
Concen: 28.445 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN070294.D
Acq: 22 Dec 2021 17:18

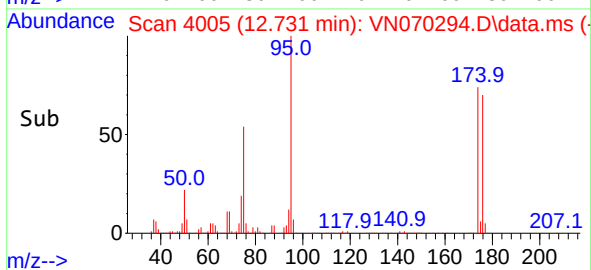
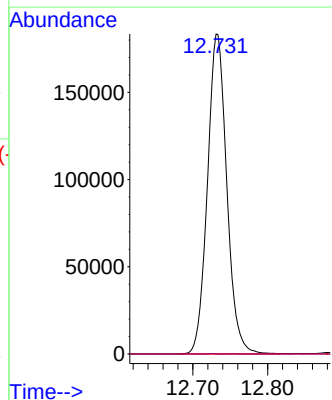
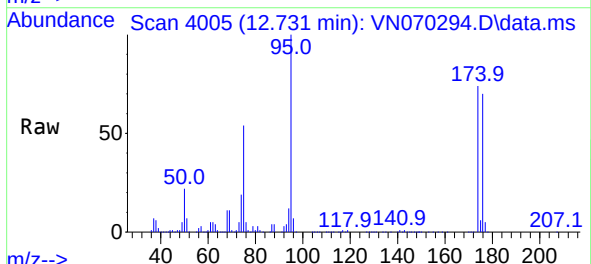
Instrument :
MSVOA_N
ClientSampleId :

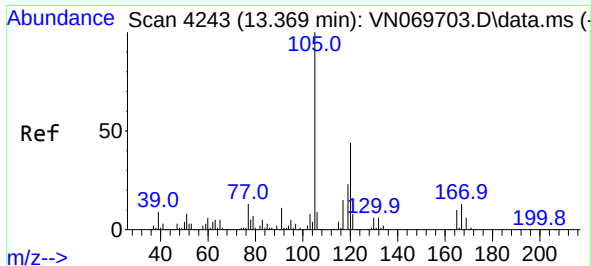
Tgt Ion: 75 Resp: 329722
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.597 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN070294.D
Acq: 22 Dec 2021 17:18

Tgt Ion: 75 Resp: 329722
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

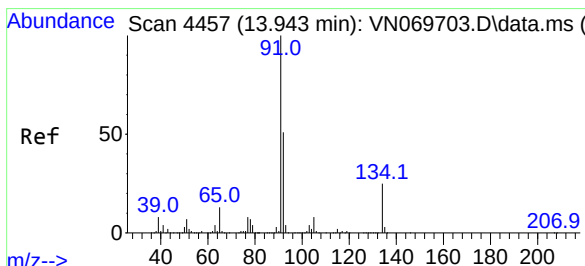
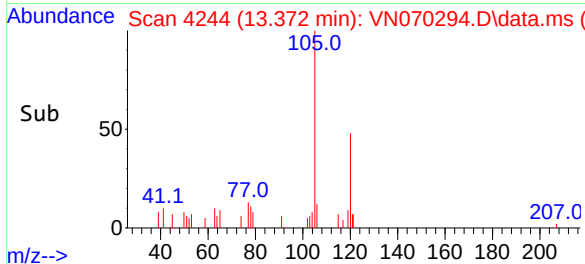
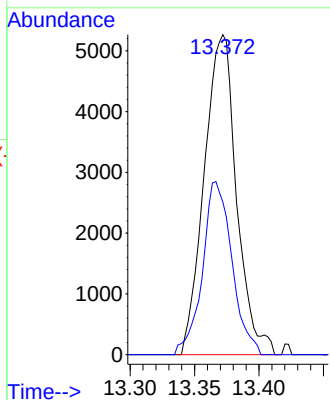
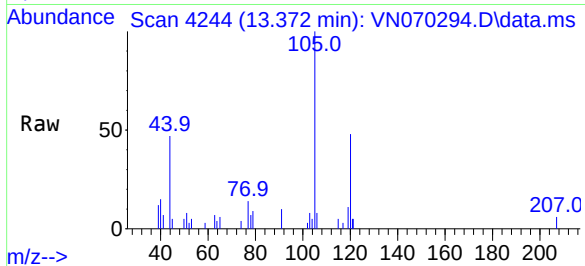




#84
1,2,4-Trimethylbenzene
Concen: 0.334 ug/l
RT: 13.372 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070294.D
Acq: 22 Dec 2021 17:18

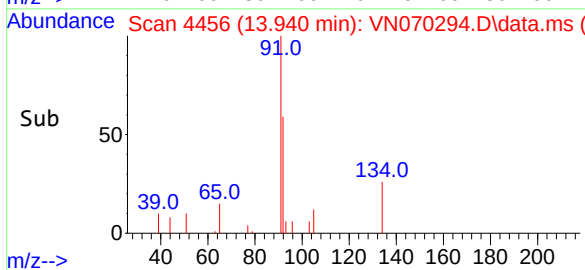
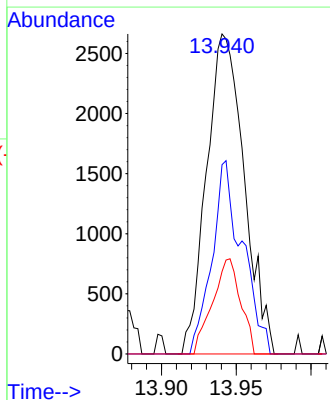
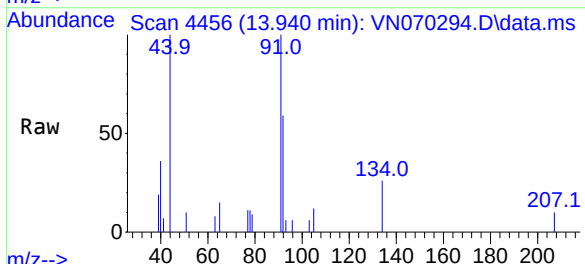
Instrument :
MSVOA_N
ClientSampleId :

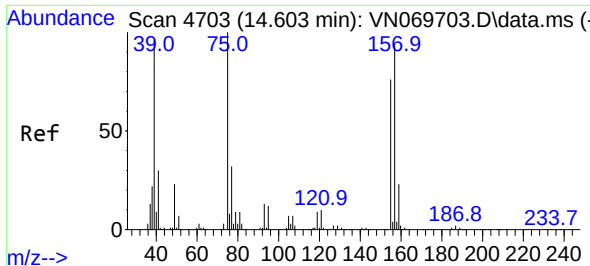
Tgt Ion:105 Resp: 9197
Ion Ratio Lower Upper
105 100
120 49.2 22.8 68.4



#89
n-Butylbenzene
Concen: 0.211 ug/l
RT: 13.940 min Scan# 4456
Delta R.T. -0.002 min
Lab File: VN070294.D
Acq: 22 Dec 2021 17:18

Tgt Ion: 91 Resp: 4660
Ion Ratio Lower Upper
91 100
92 48.5 25.4 76.0
134 22.1 13.6 40.8

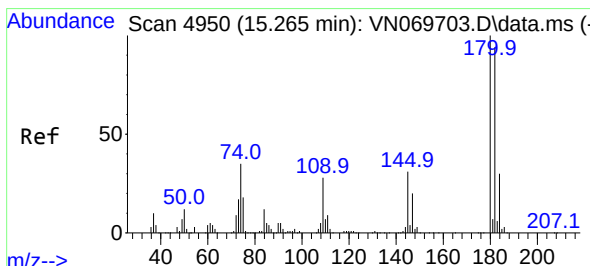
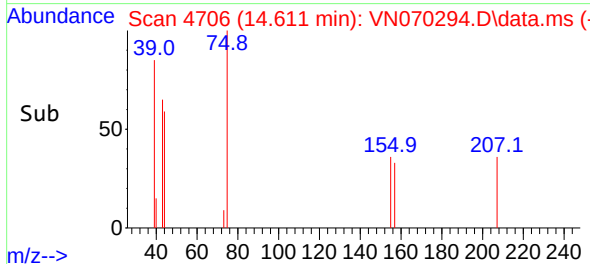
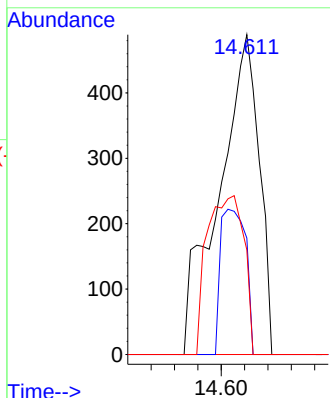
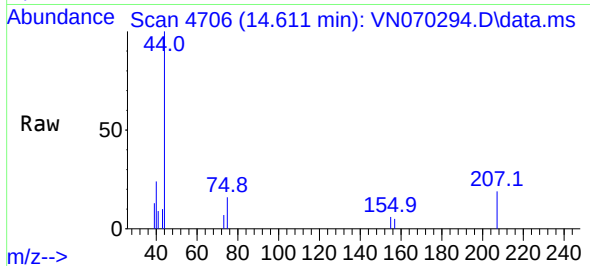




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.261 ug/l
RT: 14.611 min Scan# 41
Delta R.T. 0.008 min
Lab File: VN070294.D
Acq: 22 Dec 2021 17:18

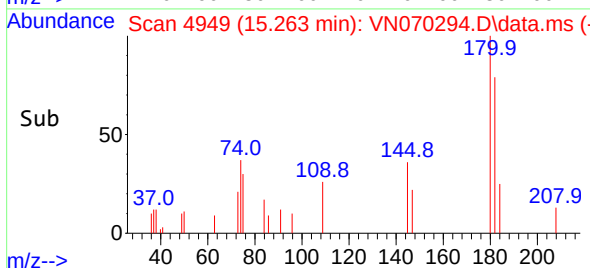
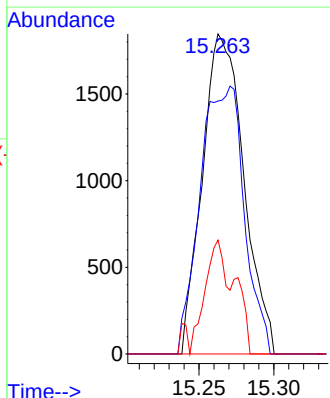
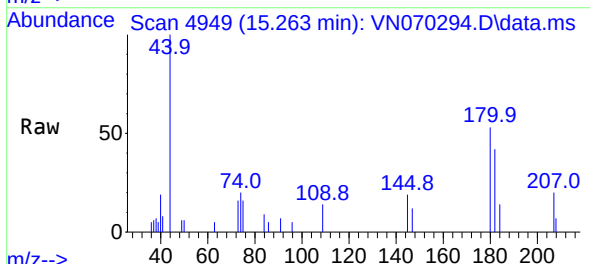
Instrument :
MSVOA_N
ClientSampleId :

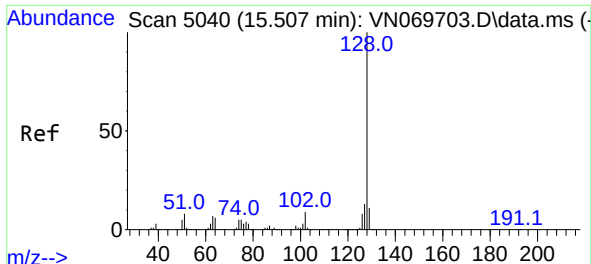
Tgt Ion: 75 Resp: 586
Ion Ratio Lower Upper
75 100
155 28.3 46.9 140.7#
157 45.4 60.6 181.7#



#93
1,2,4-Trichlorobenzene
Concen: 3.384 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN070294.D
Acq: 22 Dec 2021 17:18

Tgt Ion:180 Resp: 3559
Ion Ratio Lower Upper
180 100
182 88.8 48.3 144.9
145 18.5 14.5 43.5

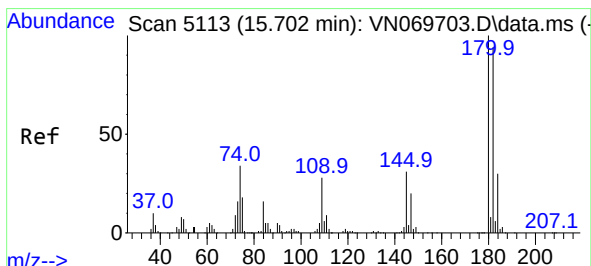
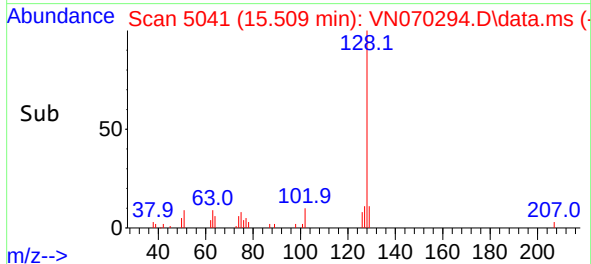
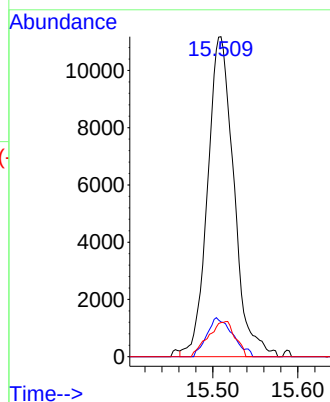
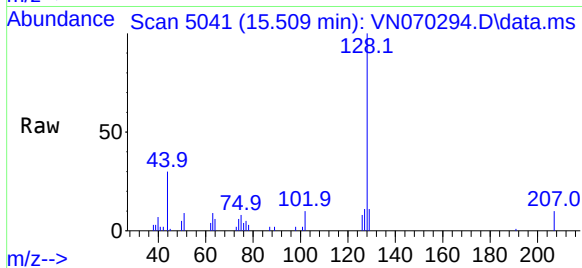




#95
Naphthalene
Concen: 5.106 ug/l
RT: 15.509 min Scan# 5040
Delta R.T. 0.002 min
Lab File: VN070294.D
Acq: 22 Dec 2021 17:18

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:	128	Resp:	24052
Ion Ratio	Lower	Upper	
128	100		
127	12.0	10.5	15.7
129	11.2	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 2.971 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.002 min
Lab File: VN070294.D
Acq: 22 Dec 2021 17:18

Tgt Ion:	180	Resp:	3637
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.4	142.2
145	34.3	15.0	45.1

