

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062121\
 Data File : VN067425.D
 Acq On : 21 Jun 2021 18:40
 Operator : JC/MD
 Sample : M2795-09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

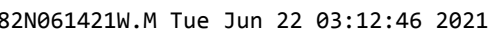
Instrument :
 MSVOA_N
 ClientSampleId :
 B3GW

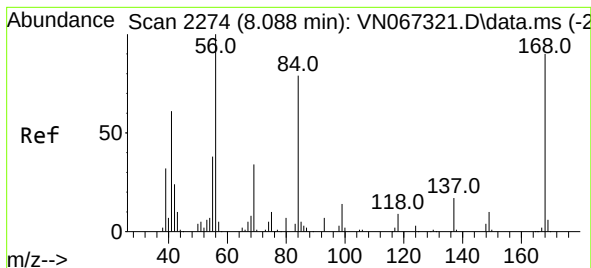
Quant Time: Jun 22 03:12:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 15 05:19:42 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	278838	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	576003	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	490288	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.680	152	161325	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	273969	49.81	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.62%
35) Dibromofluoromethane	8.027	113	178976	46.72	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.44%
50) Toluene-d8	10.446	98	742993	50.60	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.20%
62) 4-Bromofluorobenzene	12.733	95	245866	40.58	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	81.16%
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	2488	0.59	ug/l	96
13) Acrolein	4.038	56	379	0.67	ug/l #	27
16) Acetone	4.293	43	15153	7.18	ug/l	96
17) Carbon Disulfide	4.527	76	12194	1.13	ug/l #	94
18) Methyl Acetate	4.859	43	1157	0.23	ug/l #	75
19) Methyl tert-butyl Ether	5.621	73	2772	0.21	ug/l #	68
25) 2-Butanone	7.351	43	6320	2.10	ug/l	96
27) cis-1,2-Dichloroethene	7.335	96	1296	0.30	ug/l	38
31) Cyclohexane	8.091	56	12649	1.69	ug/l #	31
36) 1,1-Dichloropropene	8.088	75	33707	5.22	ug/l #	52
37) Ethyl Acetate	7.351	43	6320	0.92	ug/l #	69
38) Carbon Tetrachloride	8.091	117	34614	4.99	ug/l #	16
39) Methylcyclohexane	9.464	83	2051	0.30	ug/l	92
40) Benzene	8.461	78	5632	0.31	ug/l	96
43) Isopropyl Acetate	8.745	43	12444	1.01	ug/l #	58
51) 4-Methyl-2-Pentanone	10.285	43	1466	0.21	ug/l #	39
59) 2-Hexanone	11.087	43	1340	0.26	ug/l #	64
71) Bromoform	12.733	173	2002	0.66	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	149237	35.62	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	149237	88.28	ug/l #	6
95) Naphthalene	15.509	128	270	2.63	ug/l #	69

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

Quant Time: Jun 22 03:12:42 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061421W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 15 05:19:42 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

Lab File: VN067425.D

Acq: 21 Jun 2021 18:40

Tgt Ion:168 Resp: 278838

Ion Ratio Lower Upper

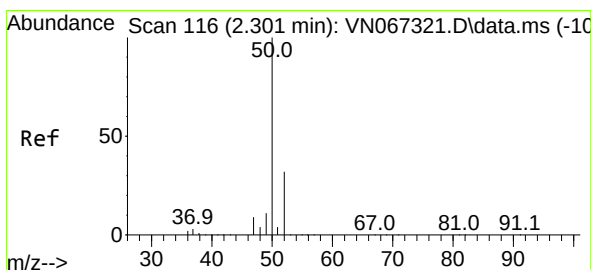
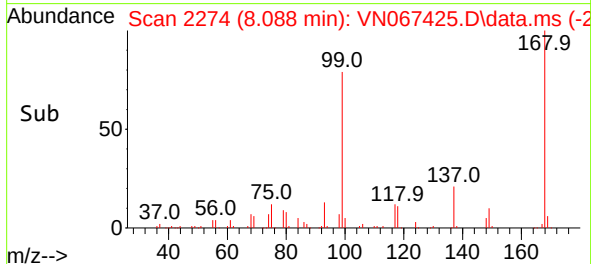
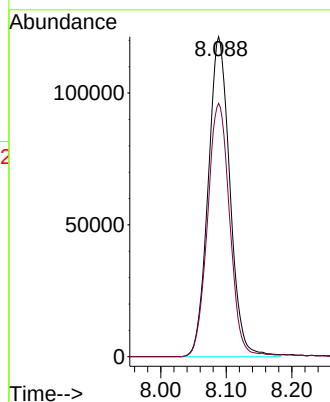
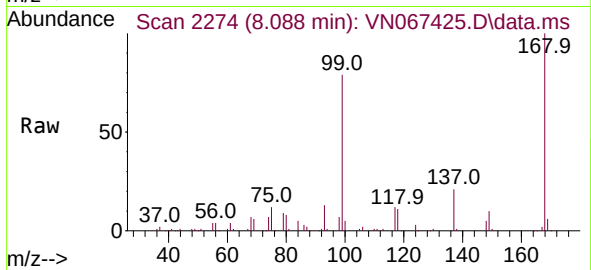
Ion	Ratio	Lower	Upper
168	100		
99	79.1	62.9	94.3

Instrument :

MSVOA_N

ClientSampleId :

B3GW



#3

Chloromethane

Concen: 0.59 ug/l

RT: 2.303 min Scan# 117

Delta R.T. 0.002 min

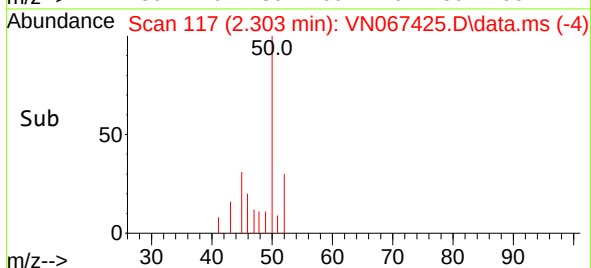
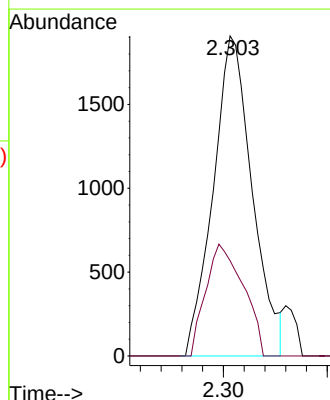
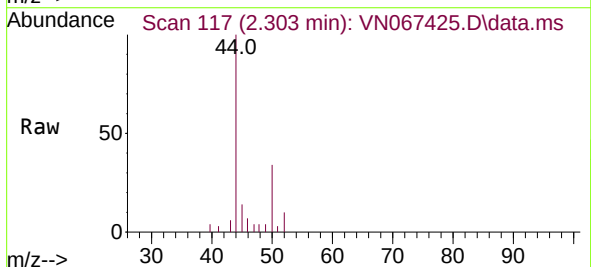
Lab File: VN067425.D

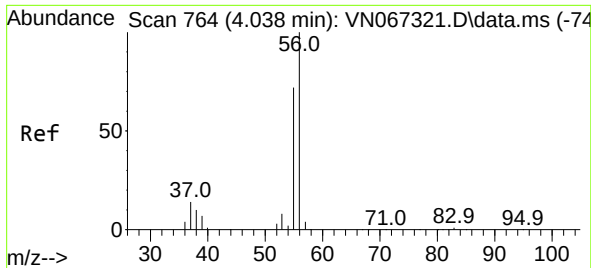
Acq: 21 Jun 2021 18:40

Tgt Ion: 50 Resp: 2488

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
50	100		
52	29.8	25.6	38.4

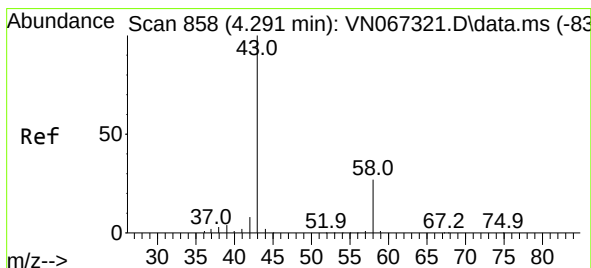
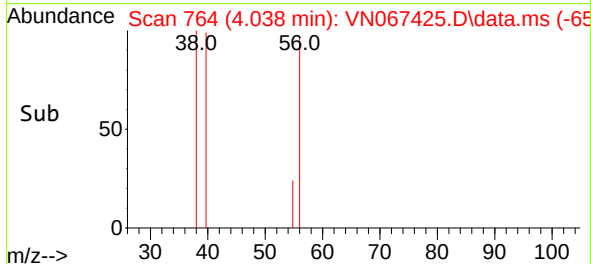
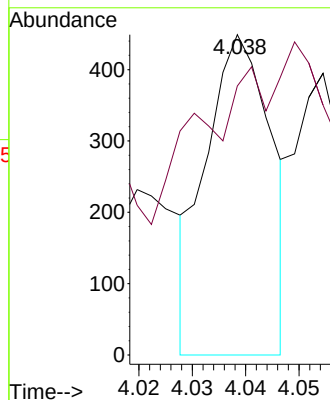
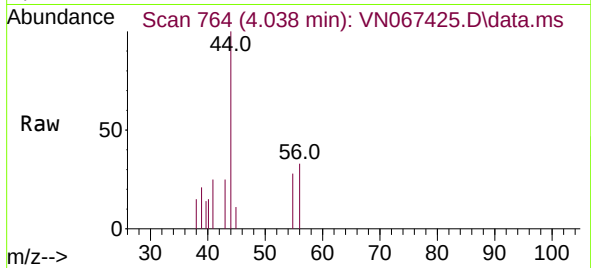




#13
Acrolein
Concen: 0.67 ug/l
RT: 4.038 min Scan# 764
Delta R.T. 0.000 min
Lab File: VN067425.D
Acq: 21 Jun 2021 18:40

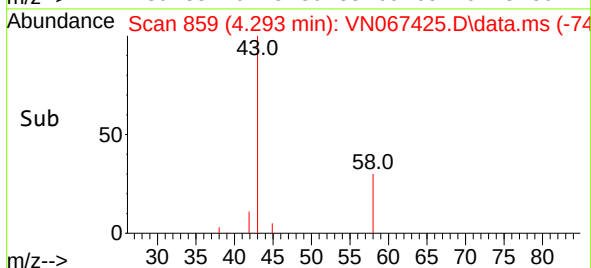
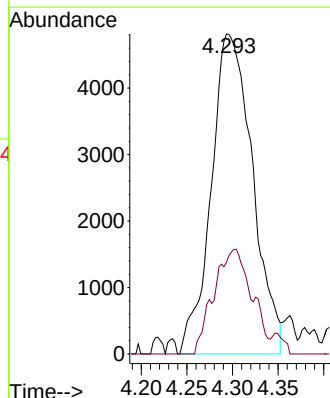
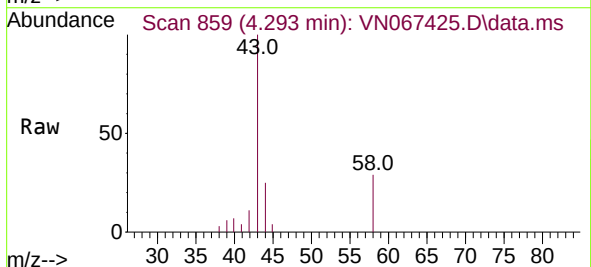
Instrument :
MSVOA_N
ClientSampled :
B3GW

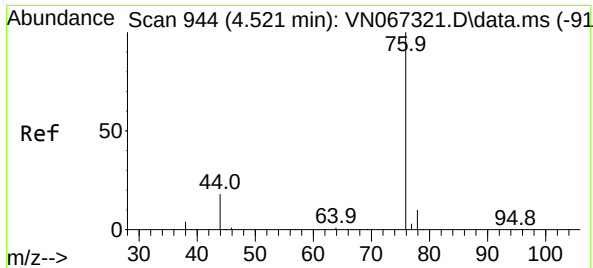
Tgt Ion: 56 Resp: 379
Ion Ratio Lower Upper
56 100
55 11.3 57.4 86.0#



#16
Acetone
Concen: 7.18 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.002 min
Lab File: VN067425.D
Acq: 21 Jun 2021 18:40

Tgt Ion: 43 Resp: 15153
Ion Ratio Lower Upper
43 100
58 28.6 21.2 31.8

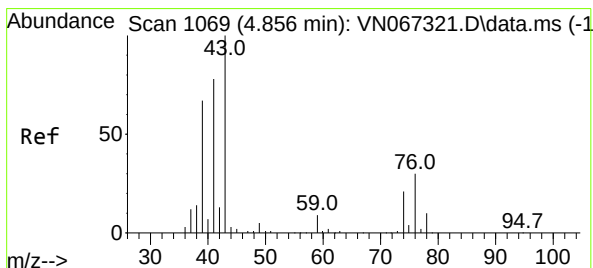
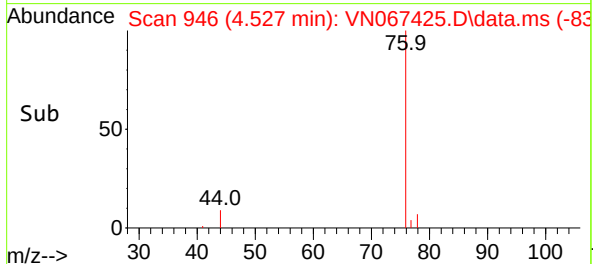
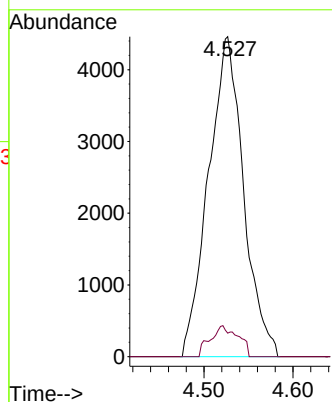
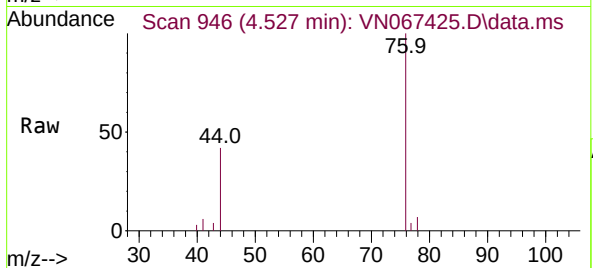




#17
Carbon Disulfide
Concen: 1.13 ug/l
RT: 4.527 min Scan# 946
Delta R.T. 0.006 min
Lab File: VN067425.D
Acq: 21 Jun 2021 18:40

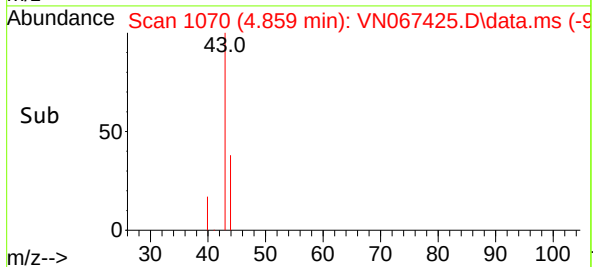
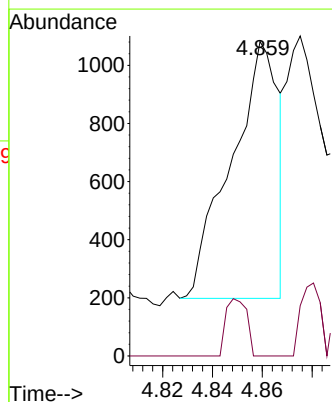
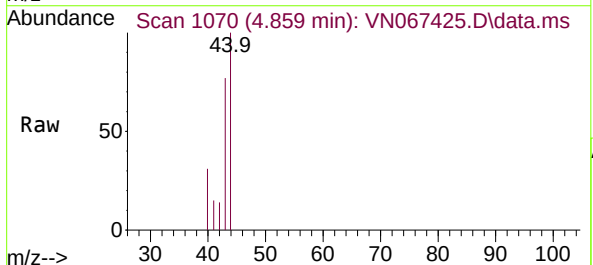
Instrument :
MSVOA_N
ClientSampleId :
B3GW

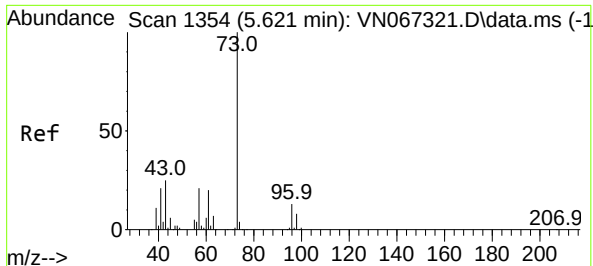
Tgt Ion: 76 Resp: 12194
Ion Ratio Lower Upper
76 100
78 7.4 7.7 11.5#



#18
Methyl Acetate
Concen: 0.23 ug/l
RT: 4.859 min Scan# 1070
Delta R.T. 0.003 min
Lab File: VN067425.D
Acq: 21 Jun 2021 18:40

Tgt Ion: 43 Resp: 1157
Ion Ratio Lower Upper
43 100
74 9.9 17.4 26.0#



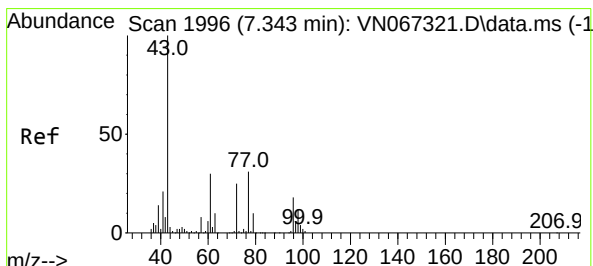
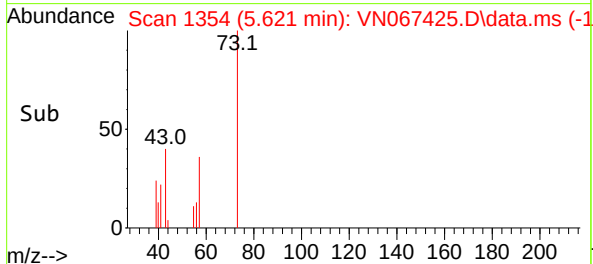
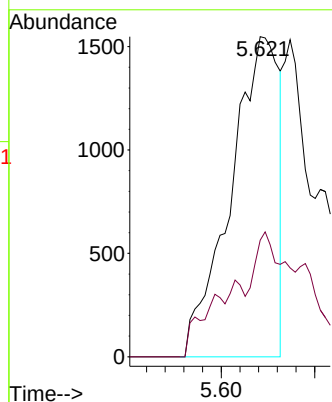
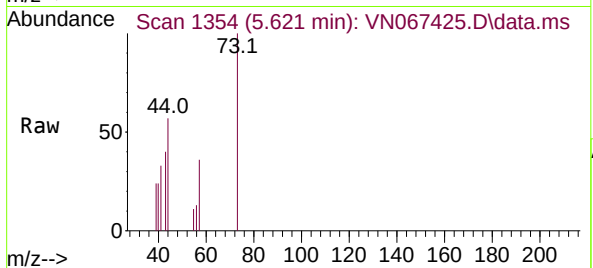


#19

Methyl tert-butyl Ether
Concen: 0.21 ug/l
RT: 5.621 min Scan# 1354
Delta R.T. -0.000 min
Lab File: VN067425.D
Acq: 21 Jun 2021 18:40

Instrument :
MSVOA_N
ClientSampleId :
B3GW

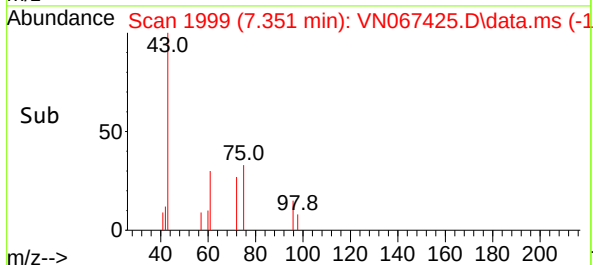
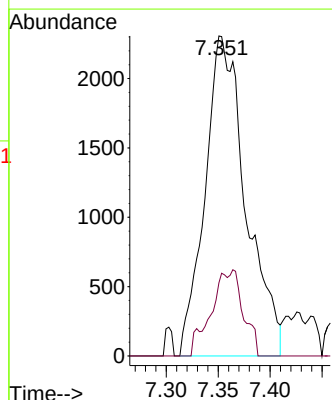
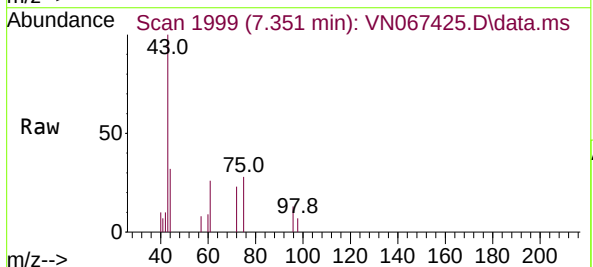
Tgt Ion: 73 Resp: 2772
Ion Ratio Lower Upper
73 100
57 36.4 17.0 25.6#

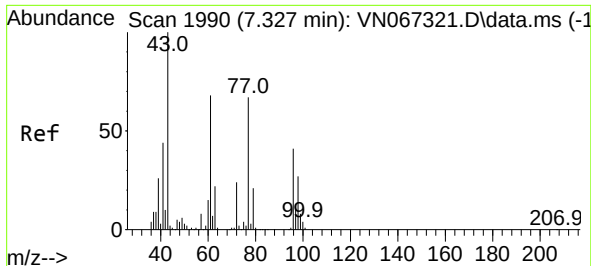


#25

2-Butanone
Concen: 2.10 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.008 min
Lab File: VN067425.D
Acq: 21 Jun 2021 18:40

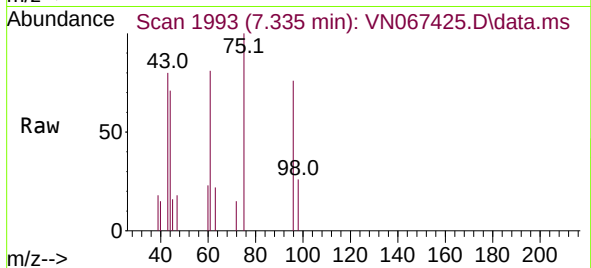
Tgt Ion: 43 Resp: 6320
Ion Ratio Lower Upper
43 100
72 22.8 19.7 29.5



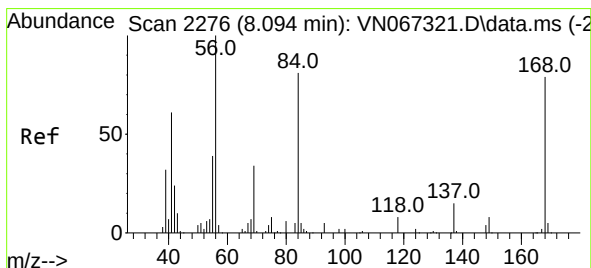
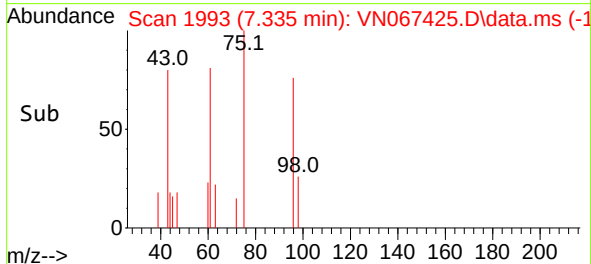
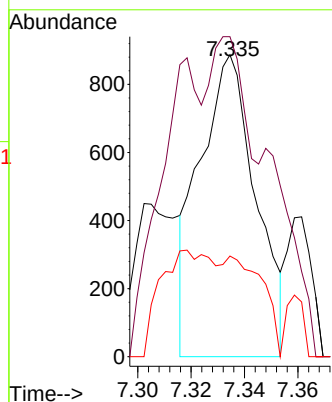


#27
 cis-1,2-Dichloroethene
 Concen: 0.30 ug/l
 RT: 7.335 min Scan# 1993
 Delta R.T. 0.008 min
 Lab File: VN067425.D
 Acq: 21 Jun 2021 18:40

Instrument :
 MSVOA_N
 ClientSampleId :
 B3GW

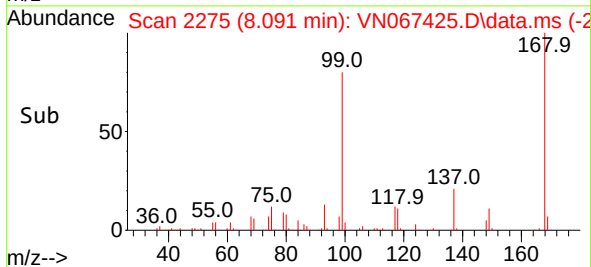
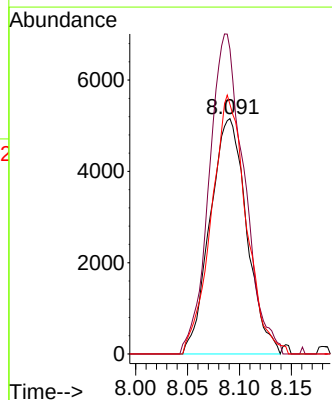
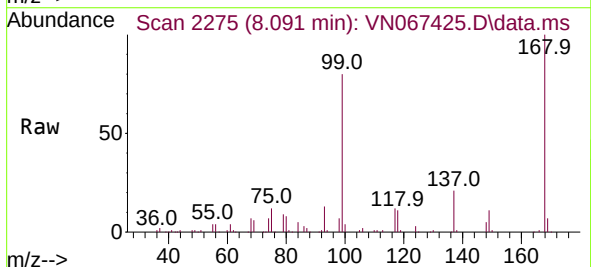


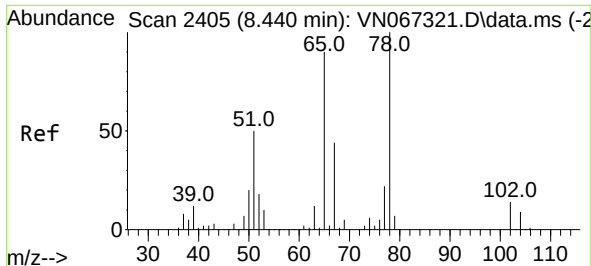
Tgt Ion:	96	Resp:	1296
Ion	Ratio	Lower	Upper
96	100		
61	73.2	0.0	338.8
98	32.9	0.0	129.8



#31
 Cyclohexane
 Concen: 1.69 ug/l
 RT: 8.091 min Scan# 2275
 Delta R.T. -0.003 min
 Lab File: VN067425.D
 Acq: 21 Jun 2021 18:40

Tgt Ion:	56	Resp:	12649
Ion	Ratio	Lower	Upper
56	100		
69	129.4	27.3	40.9#
84	106.0	64.9	97.3#





#33

1,2-Dichloroethane-d4

Concen: 49.81 ug/l

RT: 8.442 min Scan# 2406

Delta R.T. 0.002 min

Lab File: VN067425.D

Acq: 21 Jun 2021 18:40

Tgt Ion: 65 Resp: 273969

Ion Ratio Lower Upper

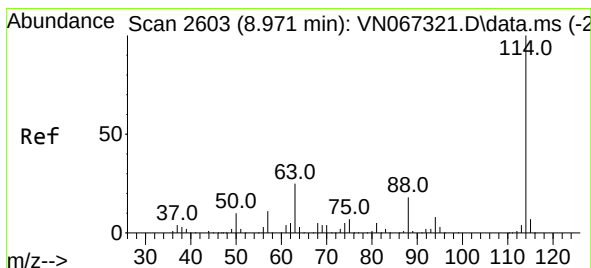
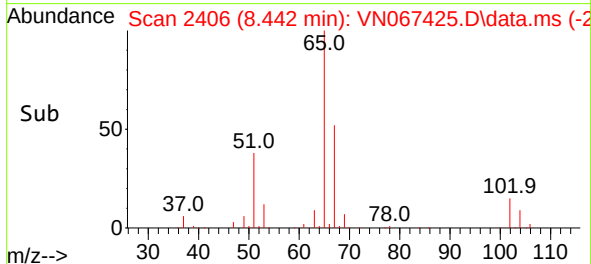
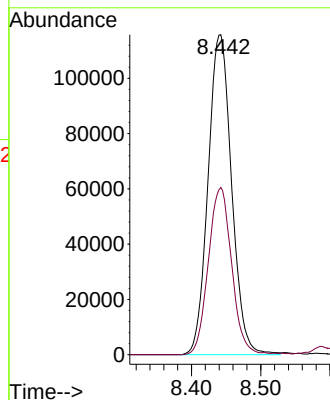
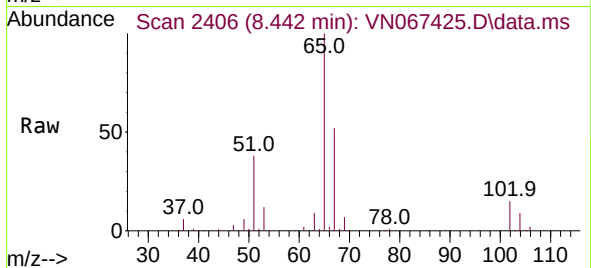
Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	98.6

Instrument :

MSVOA_N

ClientSampled :

B3GW



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.971 min Scan# 2603

Delta R.T. 0.000 min

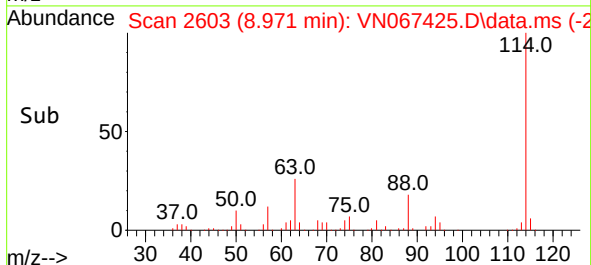
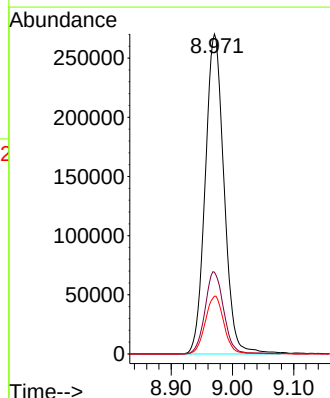
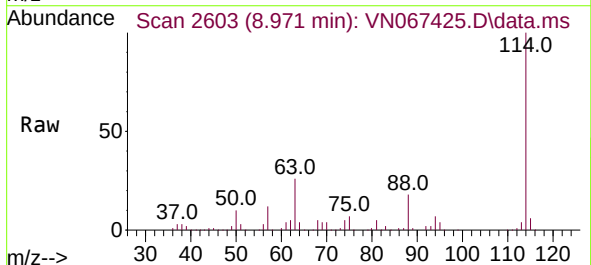
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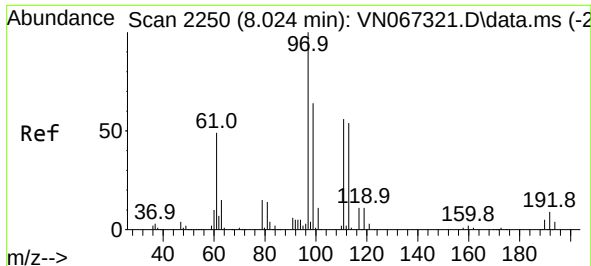
Acq: 21 Jun 2021 18:40

Tgt Ion: 114 Resp: 576003

Ion Ratio Lower Upper

Ion	Ratio	Lower	Upper
114	100		
63	25.5	0.0	49.0
88	18.1	0.0	36.6

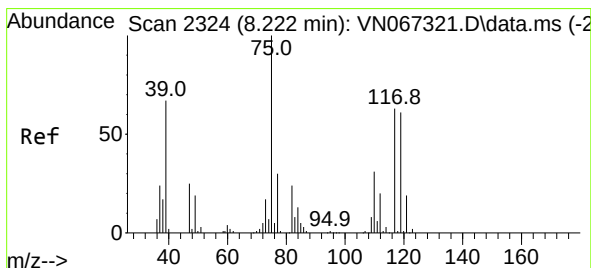
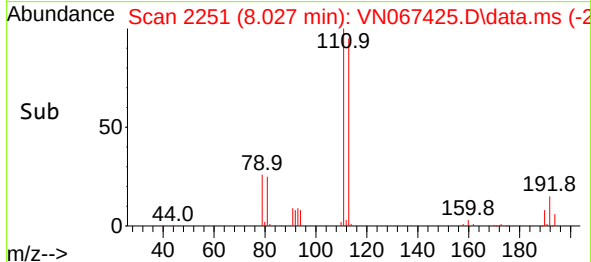
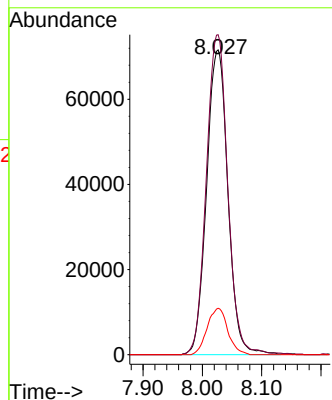
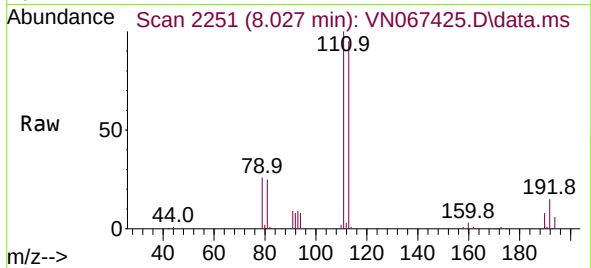




#35
Dibromofluoromethane
Concen: 46.72 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.003 min
Lab File: VN067425.D
Acq: 21 Jun 2021 18:40

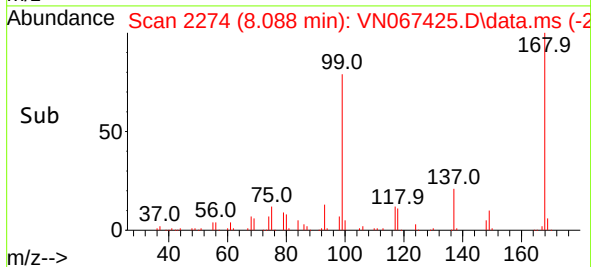
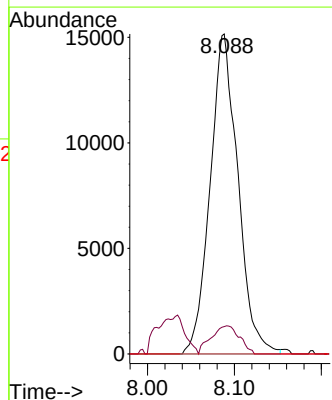
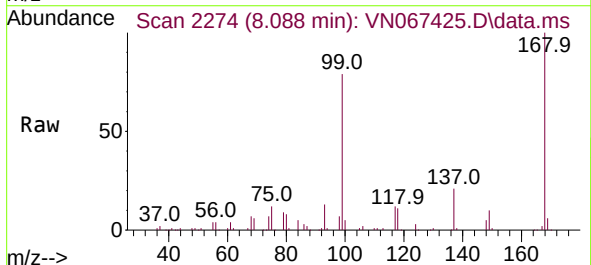
Instrument :
MSVOA_N
ClientSampled :
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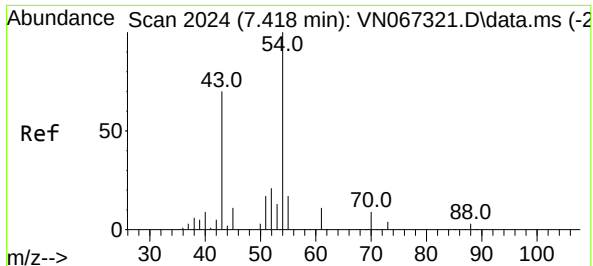
Tgt Ion:113 Resp: 178976
Ion Ratio Lower Upper
113 100
111 105.2 83.8 125.8
192 14.7 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.22 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN067425.D
Acq: 21 Jun 2021 18:40

Tgt Ion: 75 Resp: 33707
Ion Ratio Lower Upper
75 100
110 9.0 15.7 47.0#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 0.92 ug/l

RT: 7.351 min Scan# 1999

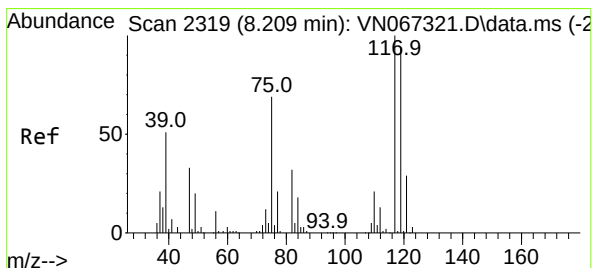
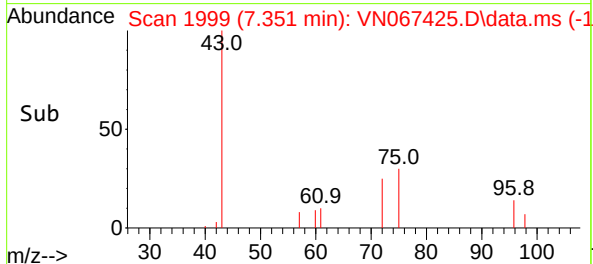
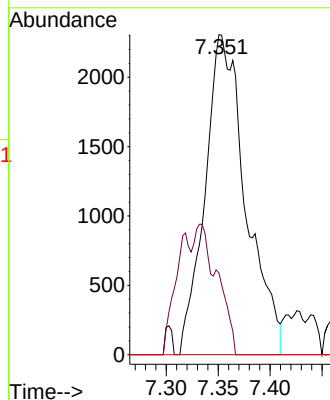
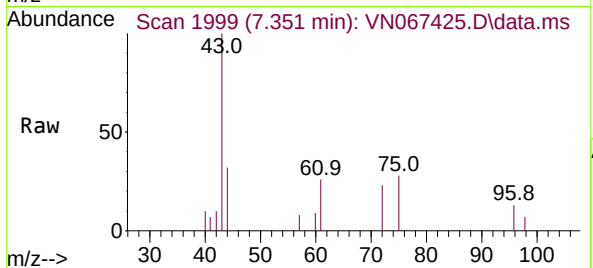
Delta R.T. -0.067 min

Lab File: VN067425.D

Acq: 21 Jun 2021 18:40

Tgt Ion:	43	Resp:	6320
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	16.0#
70	0.0	8.1	12.1#

Instrument :
MSVOA_N
ClientSampled :
B3GW



#38

Carbon Tetrachloride

Concen: 4.99 ug/l

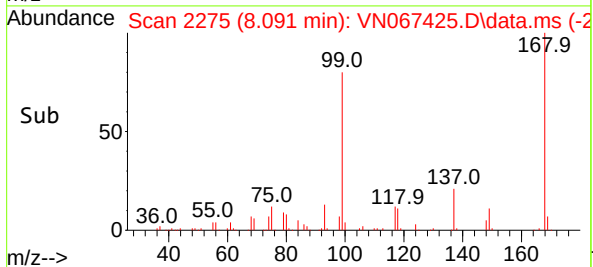
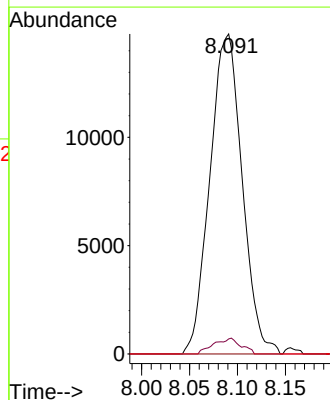
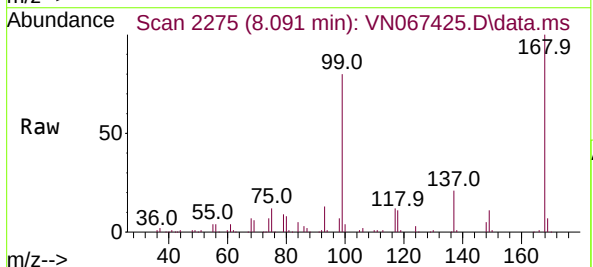
RT: 8.091 min Scan# 2275

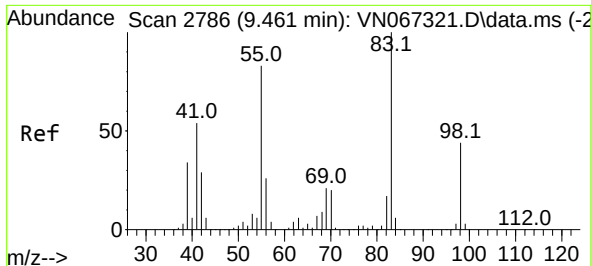
Delta R.T. -0.118 min

Lab File: VN067425.D

Acq: 21 Jun 2021 18:40

Tgt Ion:	117	Resp:	34614
Ion	Ratio	Lower	Upper
117	100		
119	4.7	75.4	113.2#
121	0.0	23.5	35.3#

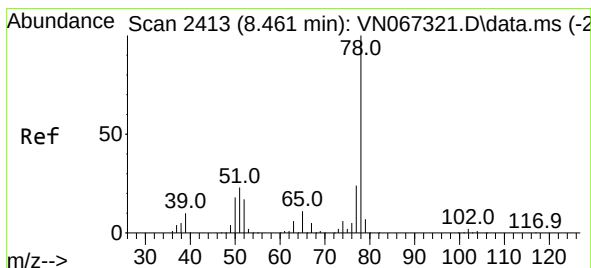
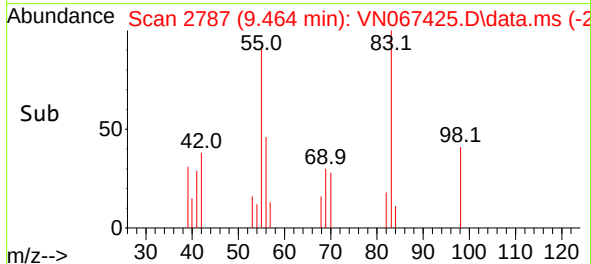
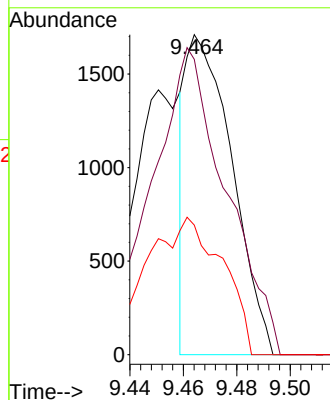
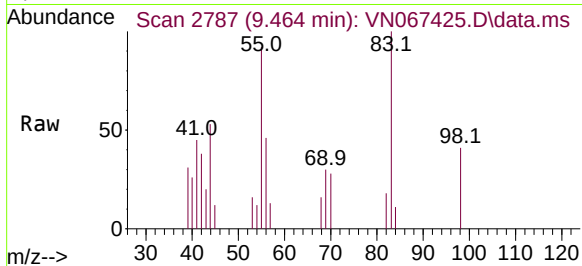




#39
Methylcyclohexane
Concen: 0.30 ug/l
RT: 9.464 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VN067425.D
Acq: 21 Jun 2021 18:40

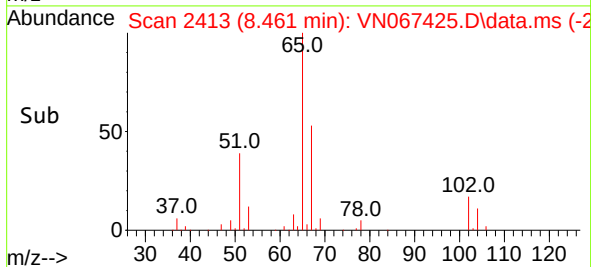
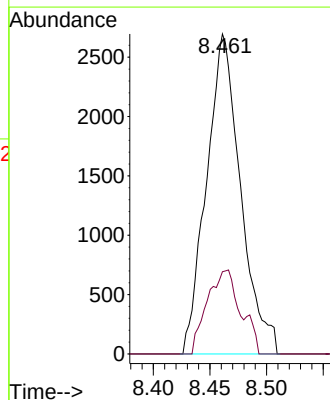
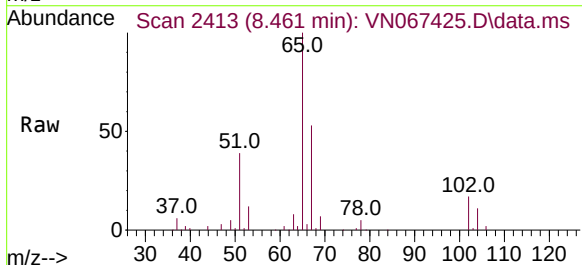
Instrument :
MSVOA_N
ClientSampled :
B3GW

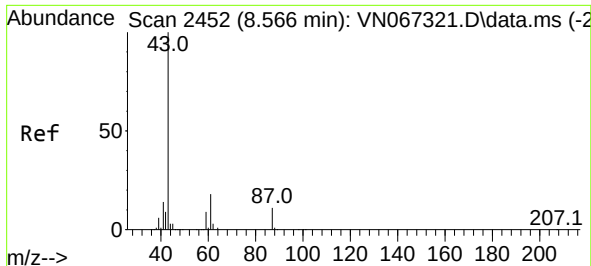
Tgt Ion:	83	Resp:	2051
Ion	Ratio	Lower	Upper
83	100		
55	92.3	66.6	99.8
98	40.5	35.3	52.9



#40
Benzene
Concen: 0.31 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. -0.000 min
Lab File: VN067425.D
Acq: 21 Jun 2021 18:40

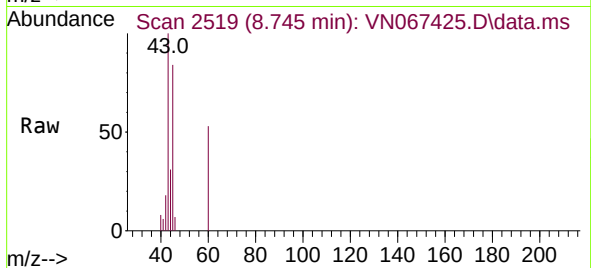
Tgt Ion:	78	Resp:	5632
Ion	Ratio	Lower	Upper
78	100		
77	25.7	18.9	28.3



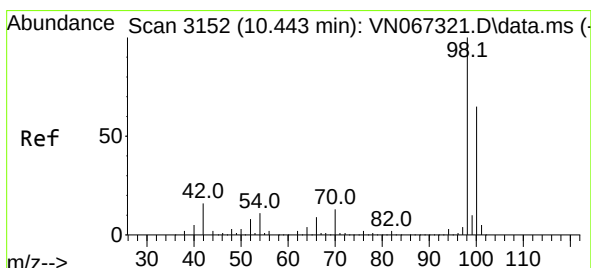
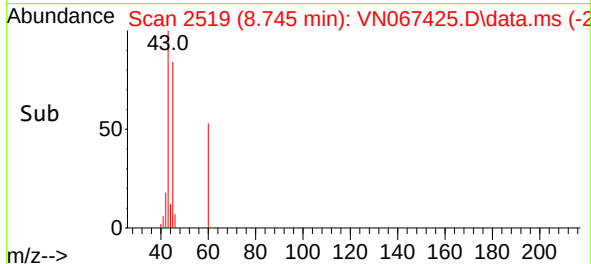
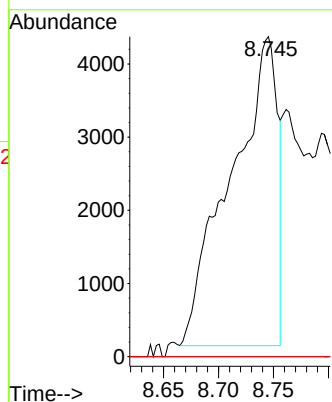


#43
Isopropyl Acetate
Concen: 1.01 ug/l
RT: 8.745 min Scan# 2519
Delta R.T. 0.179 min
Lab File: VN067425.D
Acq: 21 Jun 2021 18:40

Instrument :
MSVOA_N
ClientSampled :
B3GW

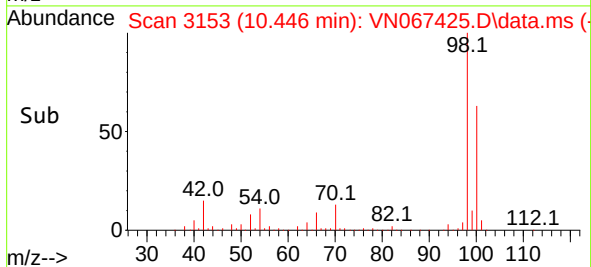
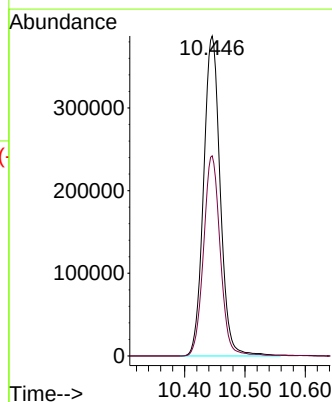
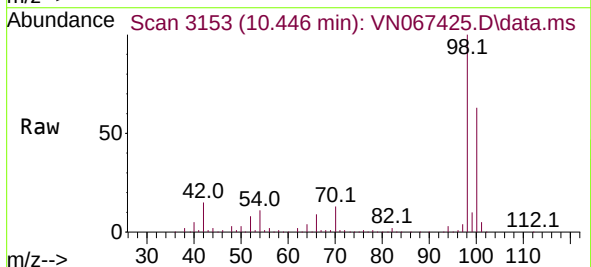


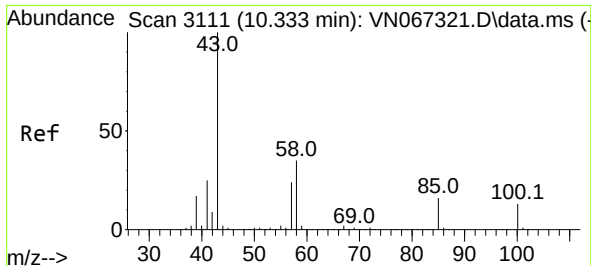
Tgt Ion: 43 Resp: 12444
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#



#50
Toluene-d8
Concen: 50.60 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN067425.D
Acq: 21 Jun 2021 18:40

Tgt Ion: 98 Resp: 742993
Ion Ratio Lower Upper
98 100
100 62.7 51.7 77.5

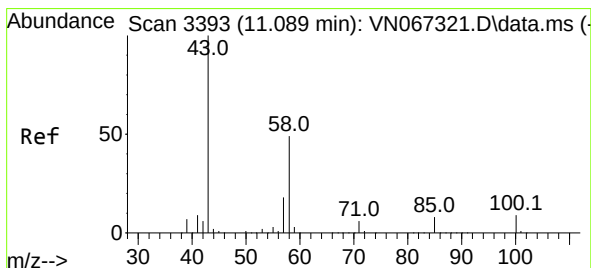
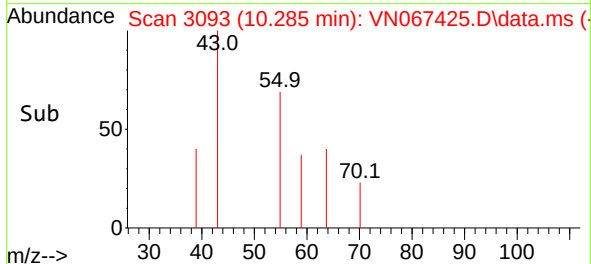
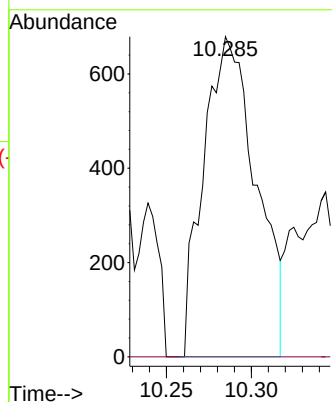
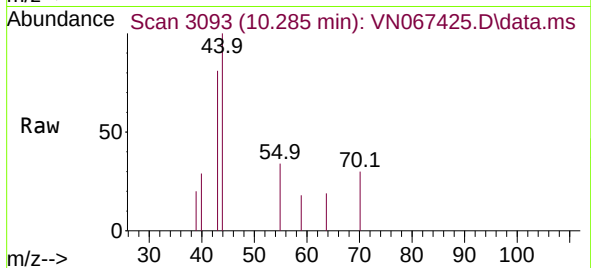




#51
4-Methyl-2-Pentanone
Concen: 0.21 ug/l
RT: 10.285 min Scan# 3093
Delta R.T. -0.048 min
Lab File: VN067425.D
Acq: 21 Jun 2021 18:40

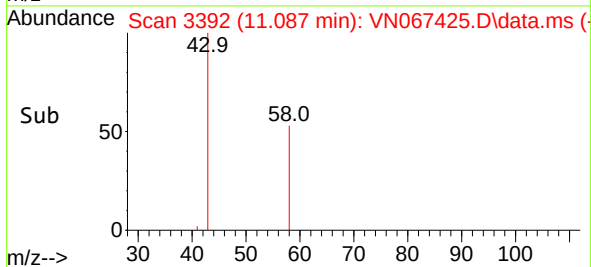
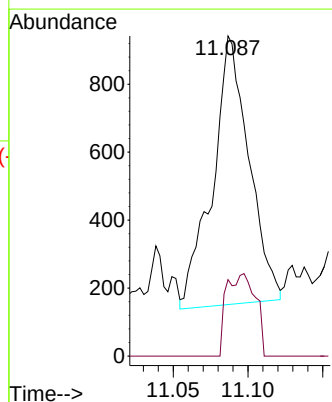
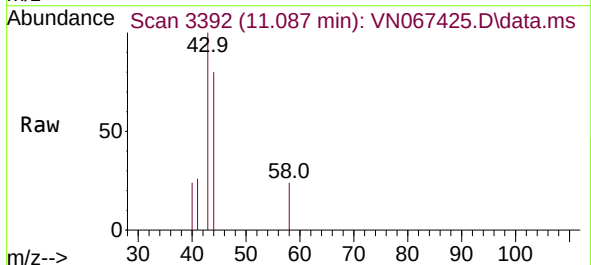
Instrument :
MSVOA_N
ClientSampled :
B3GW

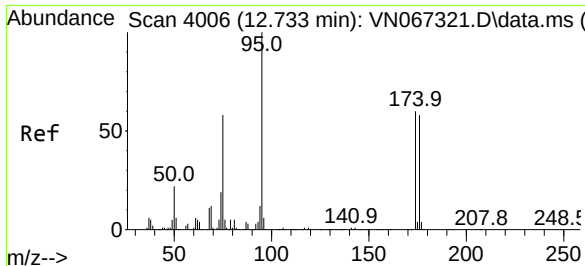
Tgt Ion: 43 Resp: 1466
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#



#59
2-Hexanone
Concen: 0.26 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. -0.002 min
Lab File: VN067425.D
Acq: 21 Jun 2021 18:40

Tgt Ion: 43 Resp: 1340
Ion Ratio Lower Upper
43 100
58 24.5 24.7 74.1#

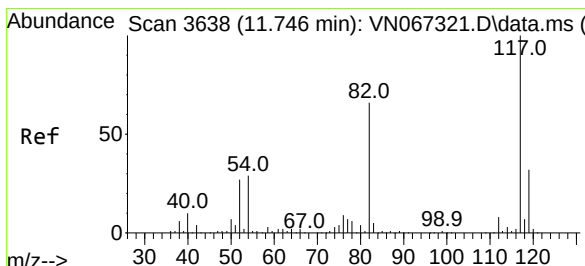
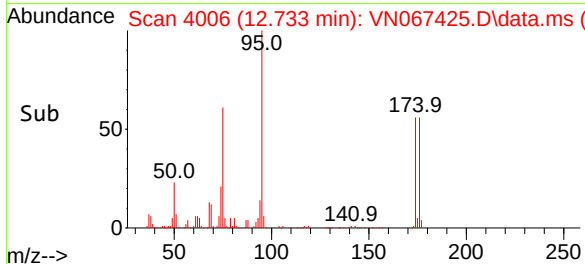
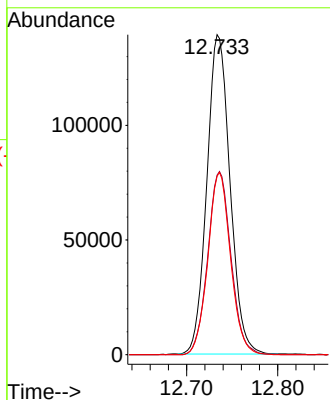
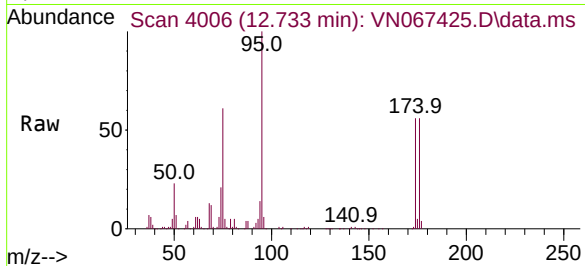




#62
4-Bromofluorobenzene
Concen: 40.58 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067425.D
Acq: 21 Jun 2021 18:40

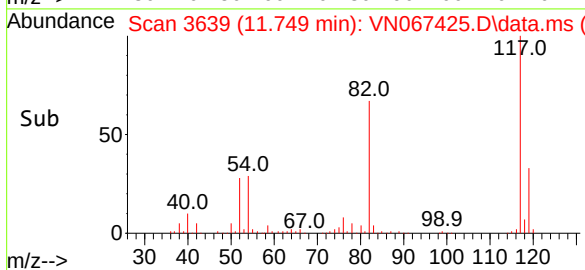
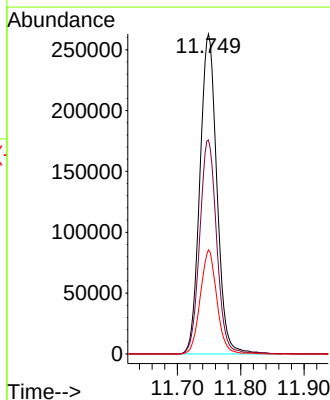
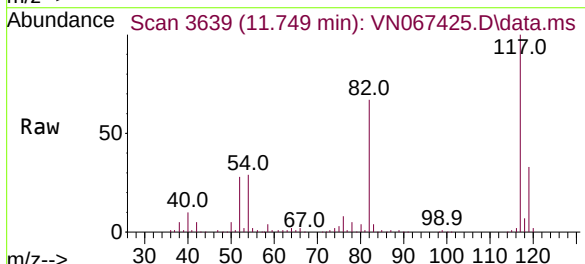
Instrument :
MSVOA_N
ClientSampleId :
B3GW

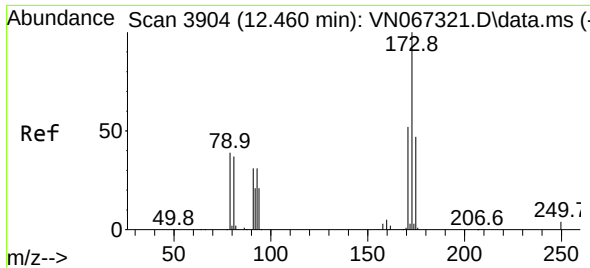
Tgt Ion: 95 Resp: 245866
Ion Ratio Lower Upper
95 100
174 57.6 0.0 122.0
176 55.7 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067425.D
Acq: 21 Jun 2021 18:40

Tgt Ion: 117 Resp: 490288
Ion Ratio Lower Upper
117 100
82 66.9 53.1 79.7
119 32.6 25.5 38.3

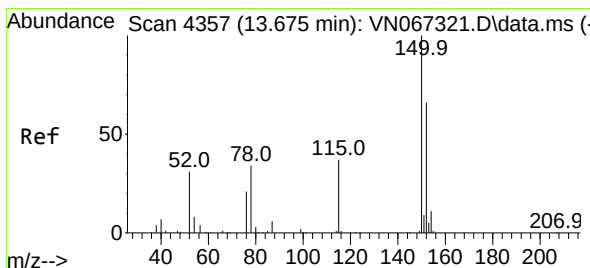
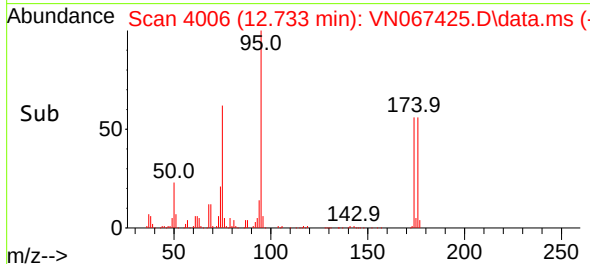
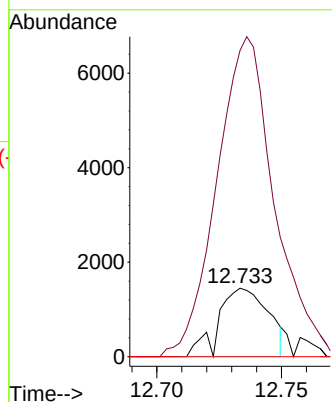
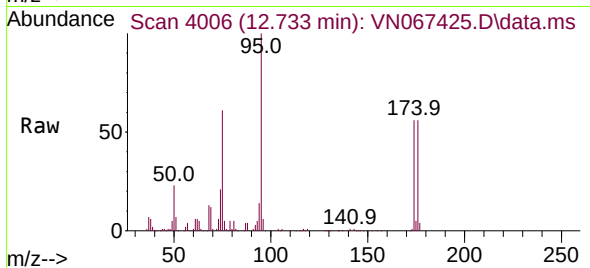




#71
Bromoform
Concen: 0.66 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.273 min
Lab File: VN067425.D
Acq: 21 Jun 2021 18:40

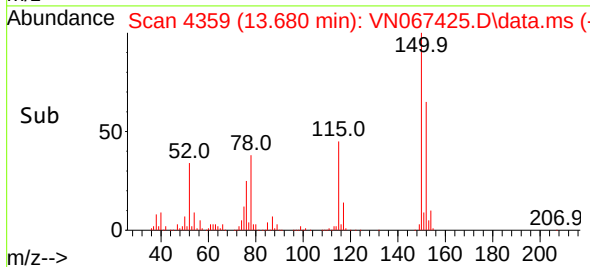
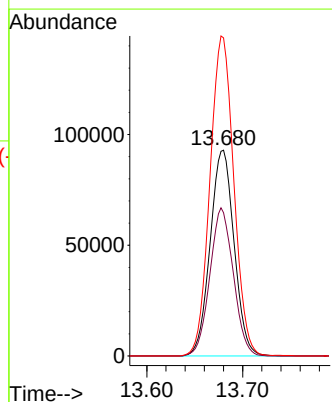
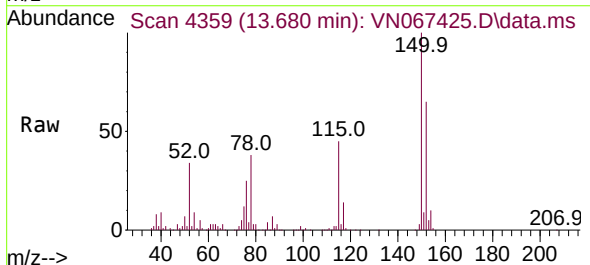
Instrument :
MSVOA_N
ClientSampled :
B3GW

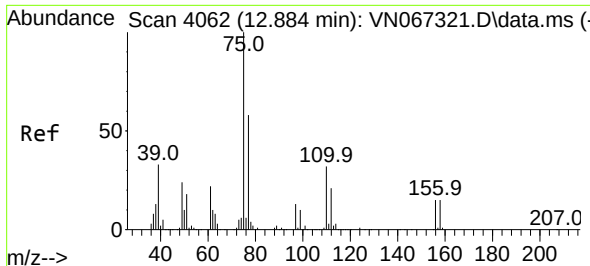
Tgt Ion:173 Resp: 2002
Ion Ratio Lower Upper
173 100
175 483.6 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.680 min Scan# 4359
Delta R.T. 0.005 min
Lab File: VN067425.D
Acq: 21 Jun 2021 18:40

Tgt Ion:152 Resp: 161325
Ion Ratio Lower Upper
152 100
115 70.3 36.1 108.5
150 154.5 0.0 351.8

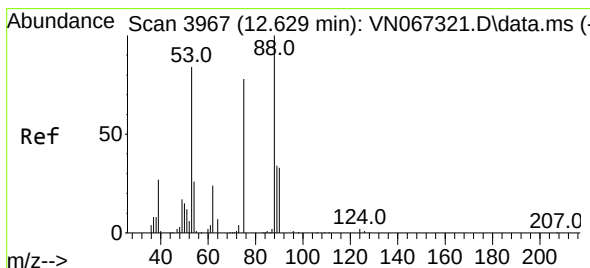
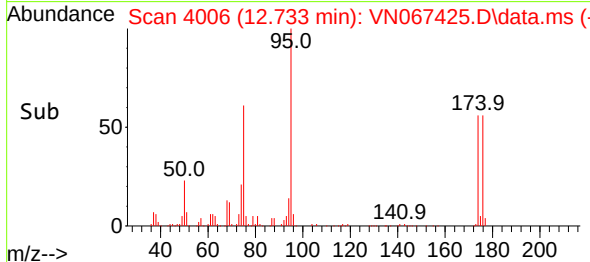
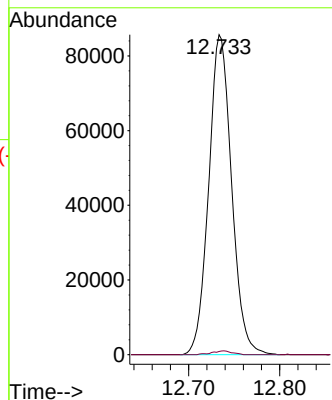
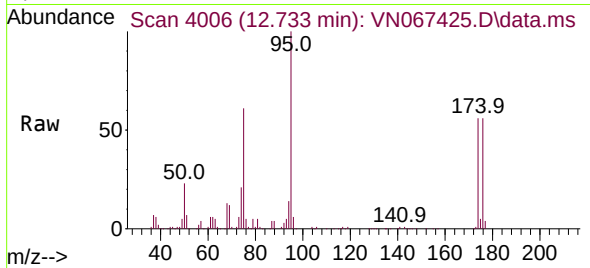




#76
1,2,3-Trichloropropane
Concen: 35.62 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067425.D
Acq: 21 Jun 2021 18:40

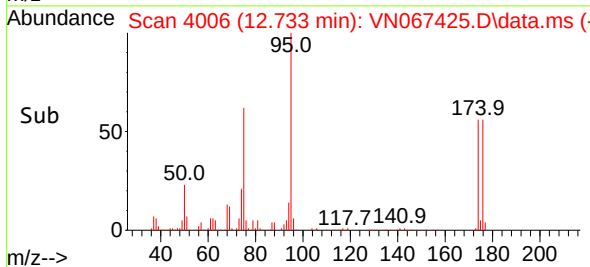
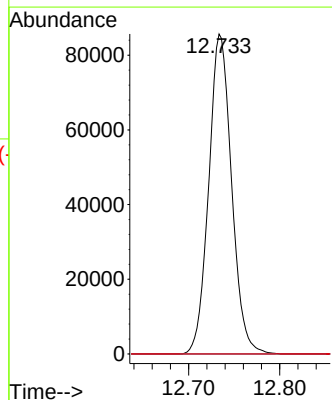
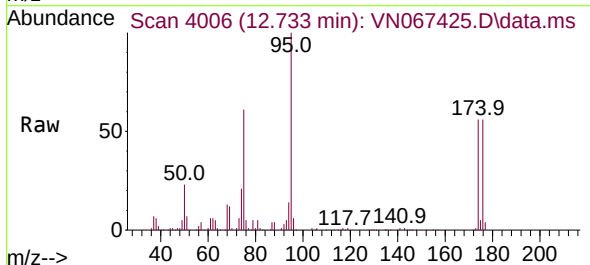
Instrument :
MSVOA_N
ClientSampled :
B3GW

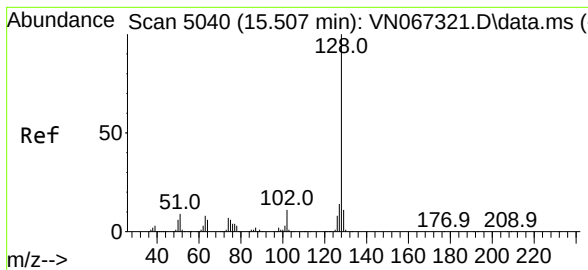
Tgt Ion: 75 Resp: 149237
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.28 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067425.D
Acq: 21 Jun 2021 18:40

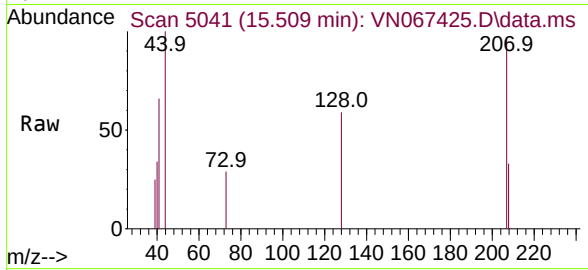
Tgt Ion: 75 Resp: 149237
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#





#95
Naphthalene
Concen: 2.63 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN067425.D
Acq: 21 Jun 2021 18:40

Instrument :
MSVOA_N
ClientSampleId :
B3GW



Tgt Ion:	128	Resp:	270
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	15.8#
129	0.0	8.6	12.8#

