

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042122\
 Data File : VN072119.D
 Acq On : 21 Apr 2022 12:34
 Operator : JC\MD
 Sample : VN0421WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0421WBL01

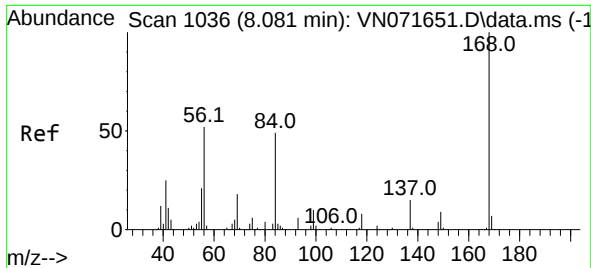
Quant Time: Apr 22 01:21:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.081	168	533901	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	926385	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1000997	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	377142	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	282771	46.393	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	92.780%
35) Dibromofluoromethane	8.016	113	261896	48.043	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.080%
50) Toluene-d8	10.439	98	1182840	53.043	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	106.080%
62) 4-Bromofluorobenzene	12.727	95	413798	57.376	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	114.760%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	1878	0.349	ug/l #	68
5) Bromomethane	2.893	94	1783	0.464	ug/l #	73
10) Methyl Iodide	4.440	142	1498	0.231	ug/l #	68
16) Acetone	4.310	43	2508	0.963	ug/l #	82
18) Methyl Acetate	4.851	43	3723	Below Cal	#	66
20) Methylene Chloride	5.104	84	3813	0.694	ug/l #	87
25) 2-Butanone	7.369	43	1307	0.348	ug/l #	45
29) Tetrahydrofuran	7.698	42	704	0.290	ug/l #	48
31) Cyclohexane	8.081	56	8087	0.976	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	35316	4.639	ug/l #	48
38) Carbon Tetrachloride	8.081	117	47023	6.303	ug/l #	16
43) Isopropyl Acetate	8.575	43	5439	0.392	ug/l #	53
51) 4-Methyl-2-Pentanone	10.328	43	2684	0.337	ug/l	90
59) 2-Hexanone	11.086	43	4578	0.816	ug/l	100
74) N-amyl acetate	12.380	43	2908	0.319	ug/l	96
76) 1,2,3-Trichloropropane	12.727	75	198773	22.751	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	198773	70.505	ug/l #	10
89) n-Butylbenzene	13.933	91	4065	0.230	ug/l	97
93) 1,2,4-Trichlorobenzene	15.257	180	3250	2.605	ug/l	99
95) Naphthalene	15.510	128	11640	4.429	ug/l	100
96) 1,2,3-Trichlorobenzene	15.692	180	3656	3.013	ug/l	96

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

Quant Time: Apr 22 01:21:52 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 31 01:57:54 2022
Response via : Initial Calibration

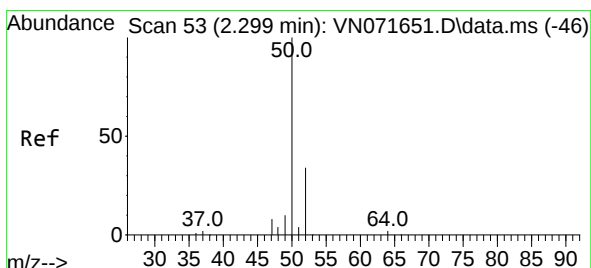
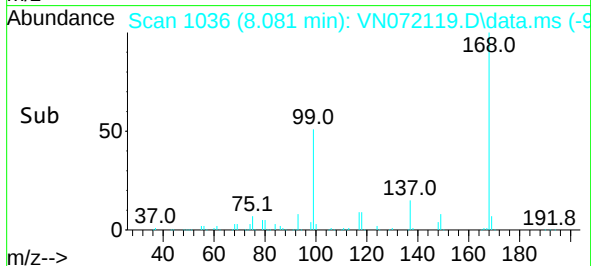
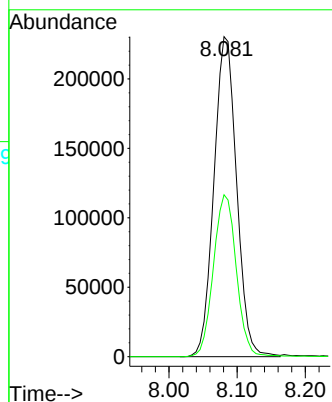
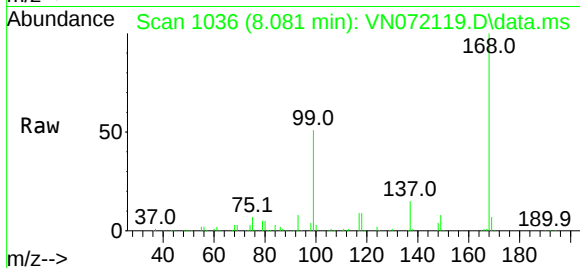




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN072119.D
Acq: 21 Apr 2022 12:34

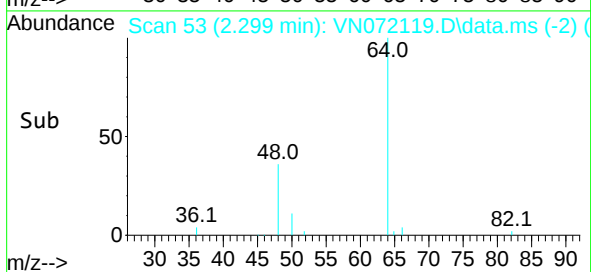
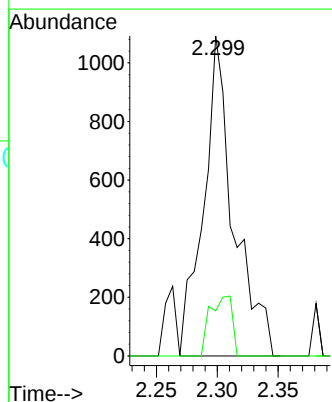
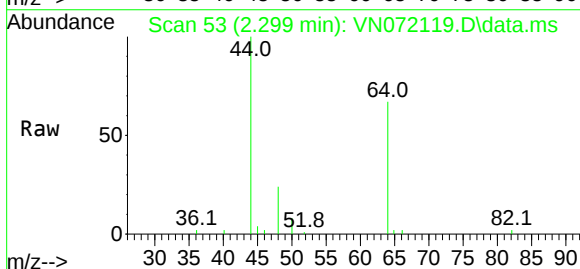
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBL01

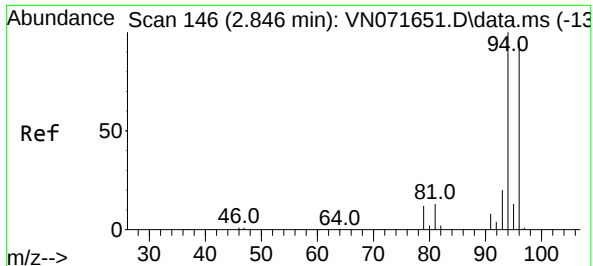
Tgt Ion:168 Resp: 533901
Ion Ratio Lower Upper
168 100
99 50.6 42.3 63.5



#3
Chloromethane
Concen: 0.349 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN072119.D
Acq: 21 Apr 2022 12:34

Tgt Ion: 50 Resp: 1878
Ion Ratio Lower Upper
50 100
52 14.1 25.7 38.5#

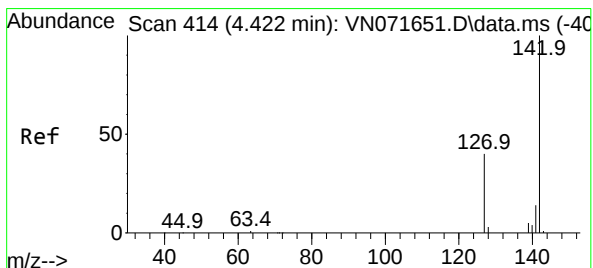
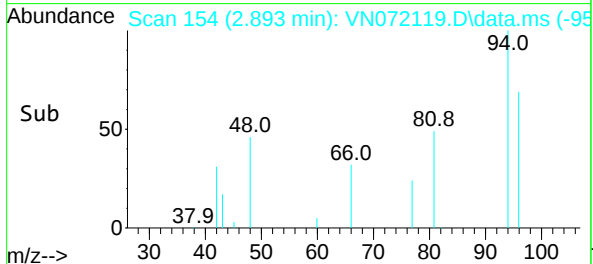
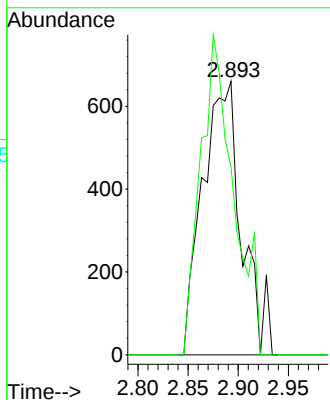
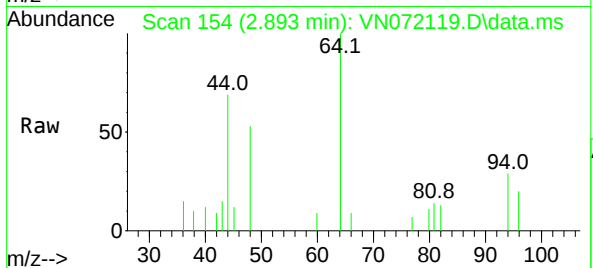




#5
Bromomethane
Concen: 0.464 ug/l
RT: 2.893 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN072119.D
Acq: 21 Apr 2022 12:34

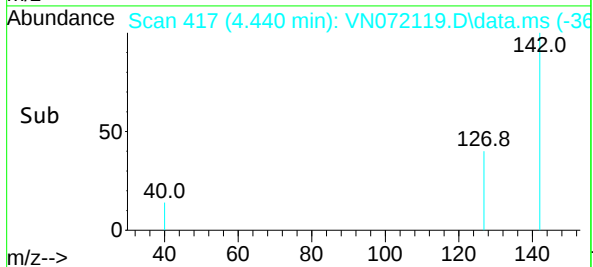
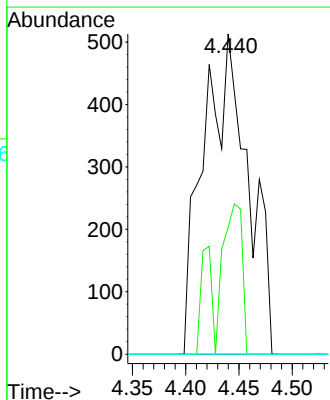
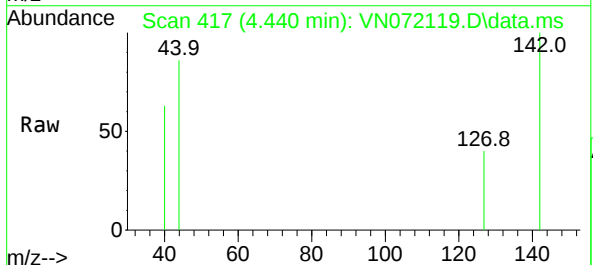
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBL01

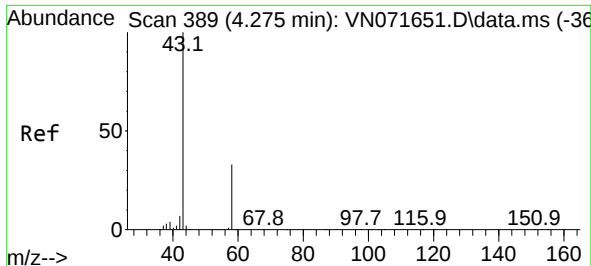
Tgt Ion: 94 Resp: 1783
Ion Ratio Lower Upper
94 100
96 68.8 76.0 114.0#



#10
Methyl Iodide
Concen: 0.231 ug/l
RT: 4.440 min Scan# 417
Delta R.T. 0.018 min
Lab File: VN072119.D
Acq: 21 Apr 2022 12:34

Tgt Ion: 142 Resp: 1498
Ion Ratio Lower Upper
142 100
127 19.9 31.3 46.9#
141 0.0 11.2 16.8#

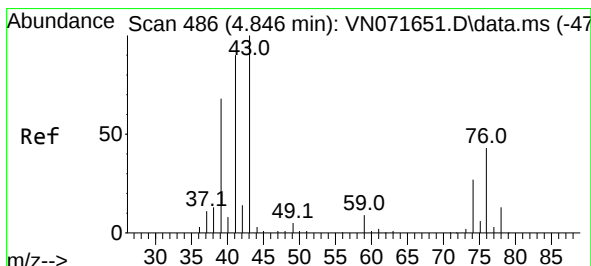
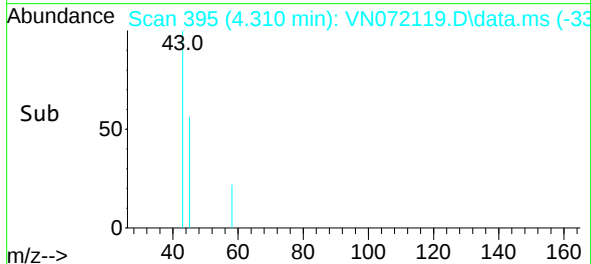
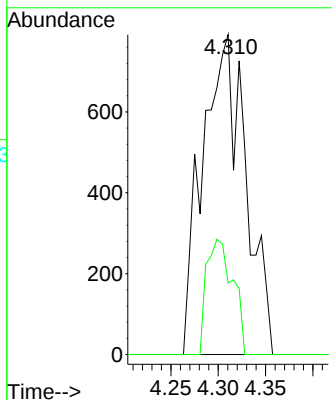
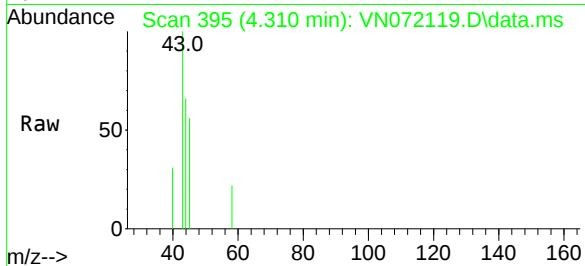




#16
Acetone
Concen: 0.963 ug/l
RT: 4.310 min Scan# 395
Delta R.T. 0.035 min
Lab File: VN072119.D
Acq: 21 Apr 2022 12:34

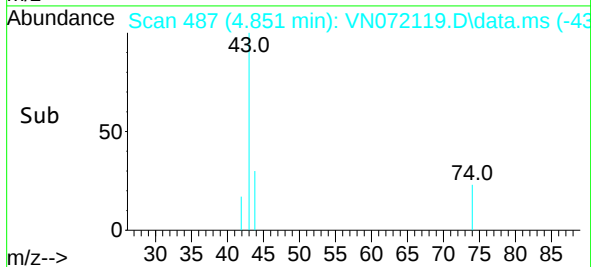
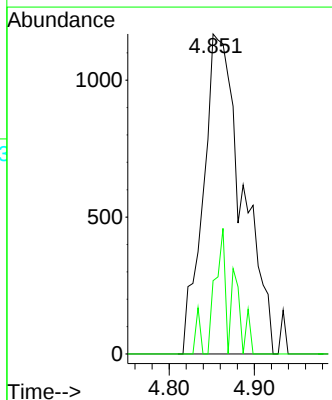
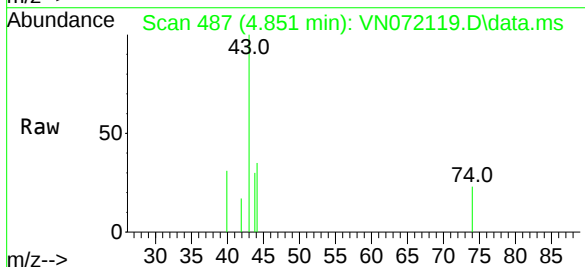
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBL01

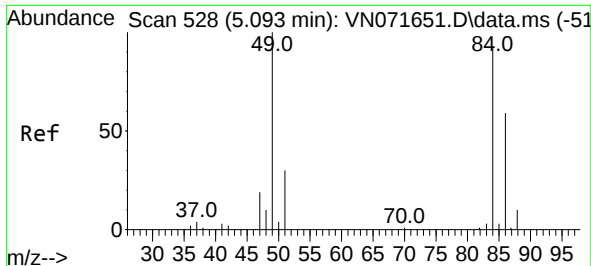
Tgt Ion: 43 Resp: 2508
Ion Ratio Lower Upper
43 100
58 22.4 26.0 39.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.851 min Scan# 487
Delta R.T. 0.005 min
Lab File: VN072119.D
Acq: 21 Apr 2022 12:34

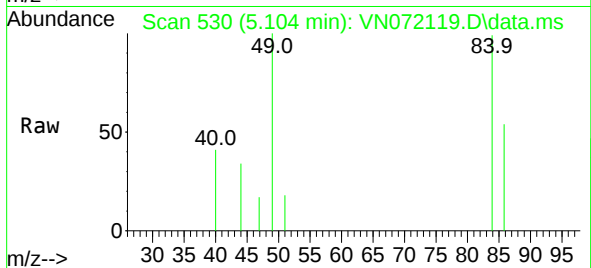
Tgt Ion: 43 Resp: 3723
Ion Ratio Lower Upper
43 100
74 9.6 21.6 32.4#



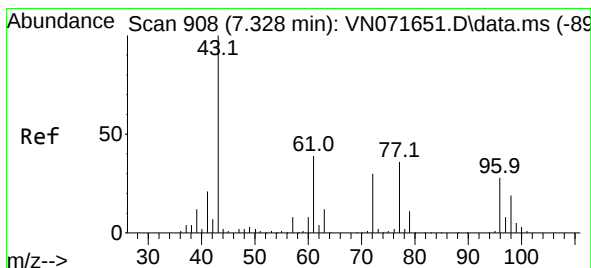
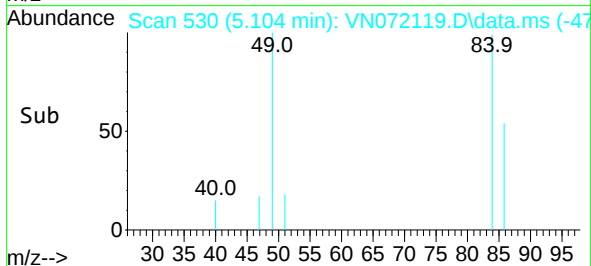
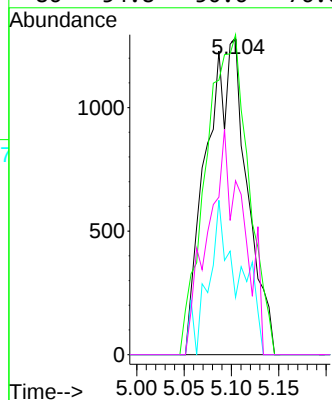


#20
Methylene Chloride
Concen: 0.694 ug/l
RT: 5.104 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN072119.D
Acq: 21 Apr 2022 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0421WBL01

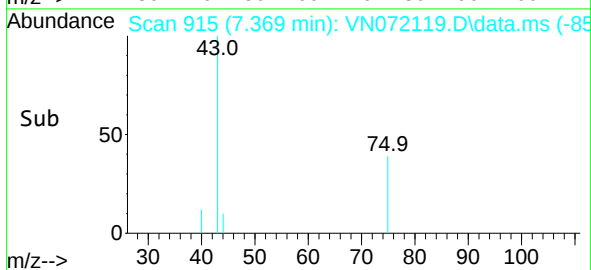
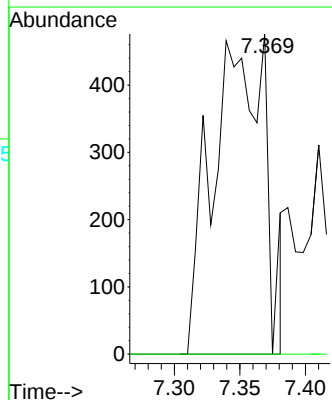
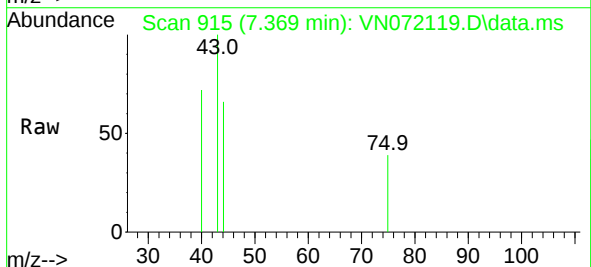


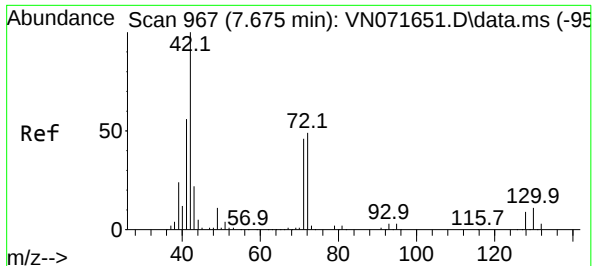
Tgt Ion: 84	Resp: 3813
Ion Ratio	Lower Upper
84 100	
49 100.9	88.3 132.5
51 18.1	28.2 42.2#
86 54.8	50.6 76.0



#25
2-Butanone
Concen: 0.348 ug/l
RT: 7.369 min Scan# 915
Delta R.T. 0.041 min
Lab File: VN072119.D
Acq: 21 Apr 2022 12:34

Tgt Ion: 43	Resp: 1307
Ion Ratio	Lower Upper
43 100	
72 0.0	23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.290 ug/l

RT: 7.698 min Scan# 91

Delta R.T. 0.023 min

Lab File: VN072119.D

Acq: 21 Apr 2022 12:34

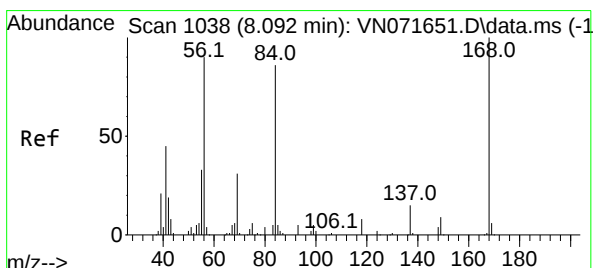
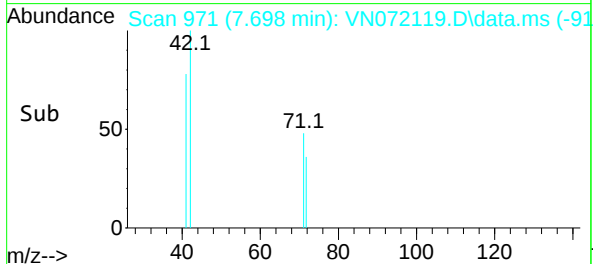
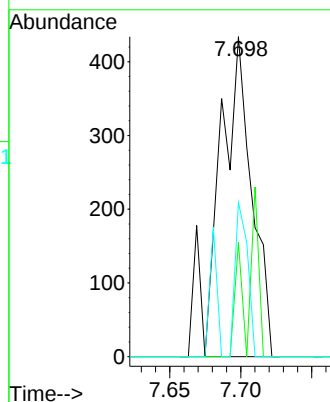
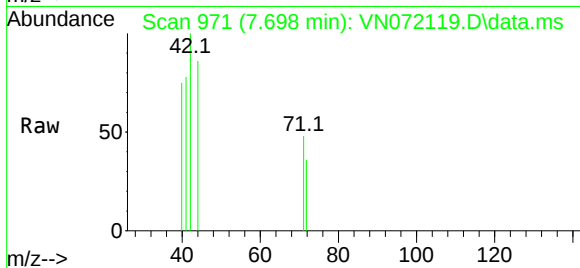
Instrument :

MSVOA_N

ClientSampleId :

VN0421WBL01

Tgt Ion:	42	Resp:	704
Ion	Ratio	Lower	Upper
42	100		
72	7.8	39.7	59.5#
71	18.2	36.6	55.0#



#31

Cyclohexane

Concen: 0.976 ug/l

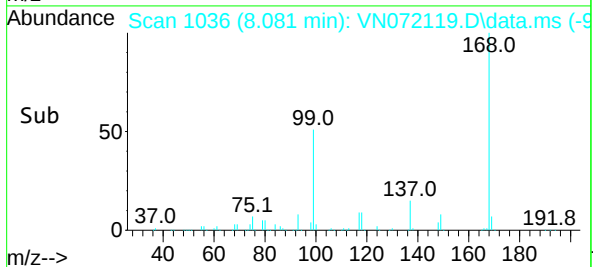
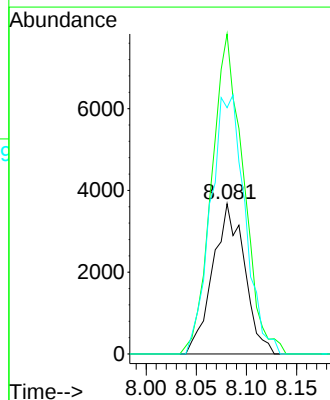
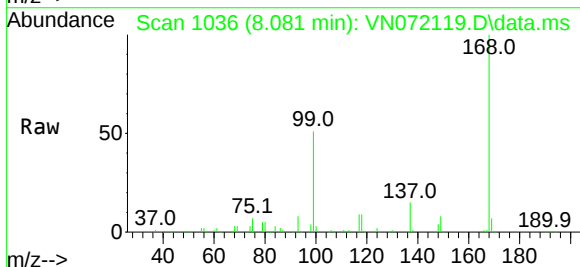
RT: 8.081 min Scan# 1036

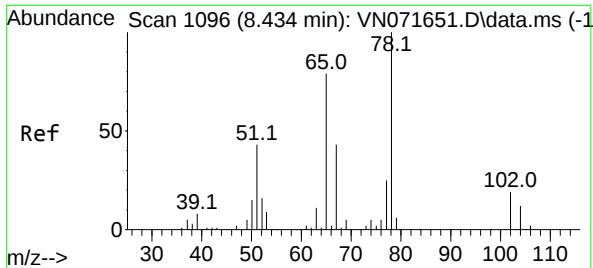
Delta R.T. -0.011 min

Lab File: VN072119.D

Acq: 21 Apr 2022 12:34

Tgt Ion:	56	Resp:	8087
Ion	Ratio	Lower	Upper
56	100		
69	213.1	27.8	41.8#
84	164.0	76.9	115.3#





#33

1,2-Dichloroethane-d4

Concen: 46.393 ug/l

RT: 8.434 min Scan# 1109

Delta R.T. -0.000 min

Lab File: VN072119.D

Acq: 21 Apr 2022 12:34

Instrument :

MSVOA_N

ClientSampleId :

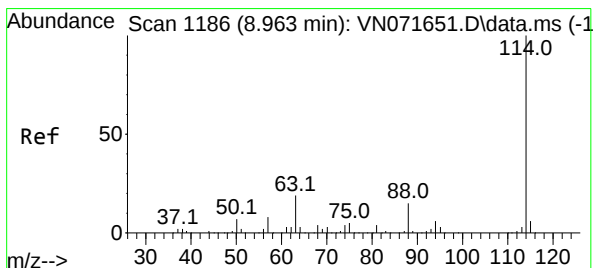
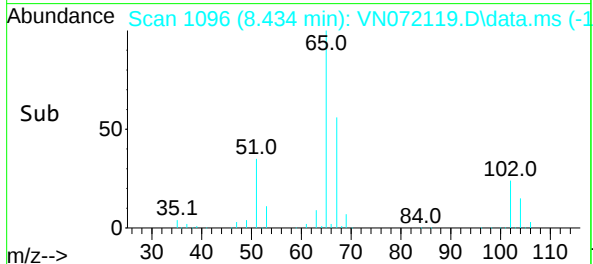
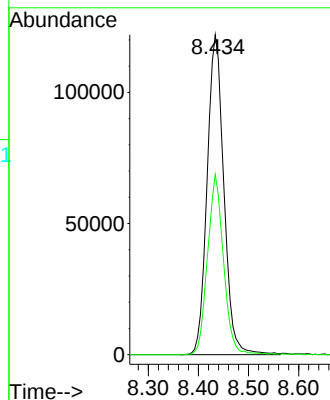
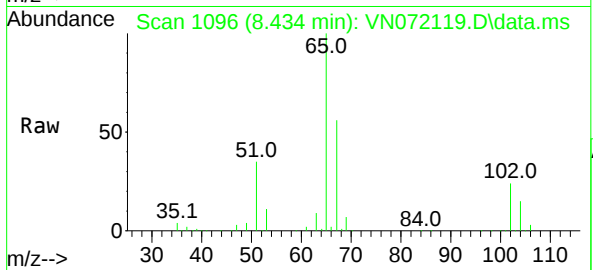
VN0421WBL01

Tgt Ion: 65 Resp: 282771

Ion Ratio Lower Upper

65 100

67 53.7 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN072119.D

Acq: 21 Apr 2022 12:34

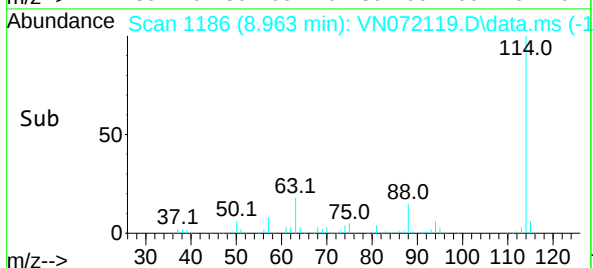
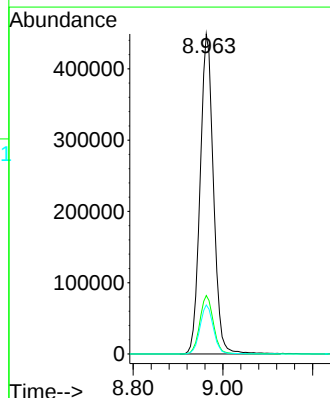
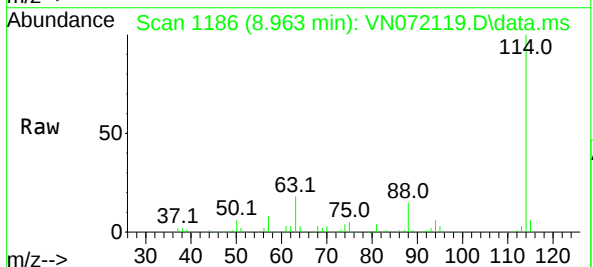
Tgt Ion: 114 Resp: 926385

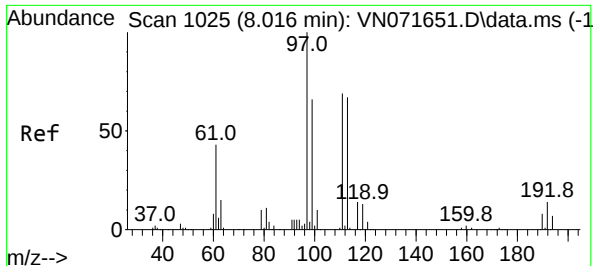
Ion Ratio Lower Upper

114 100

63 18.3 0.0 40.0

88 15.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.043 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072119.D

Acq: 21 Apr 2022 12:34

Instrument :

MSVOA_N

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VN0421WBL01

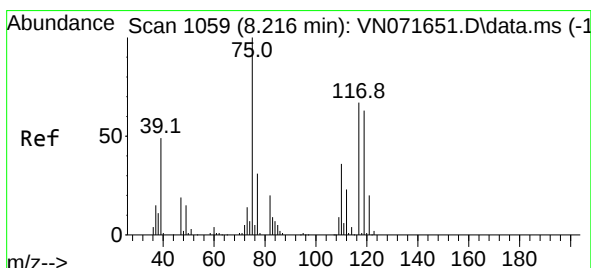
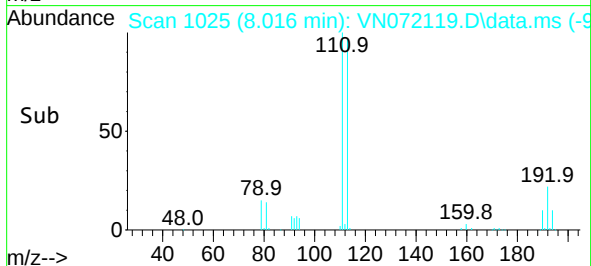
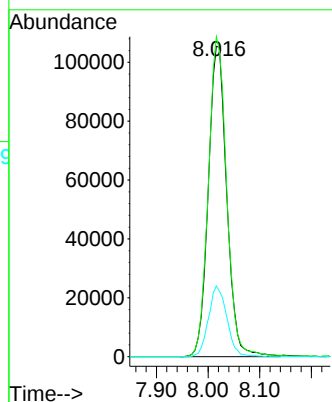
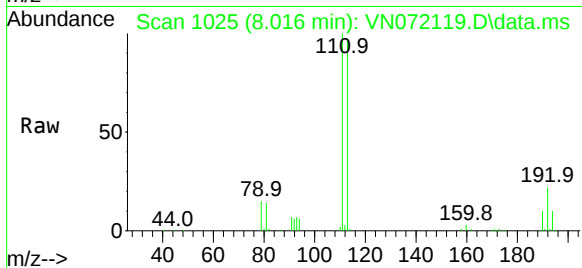
Tgt Ion:113 Resp: 261896

Ion Ratio Lower Upper

113 100

111 102.4 81.4 122.0

192 22.6 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.639 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN072119.D

Acq: 21 Apr 2022 12:34

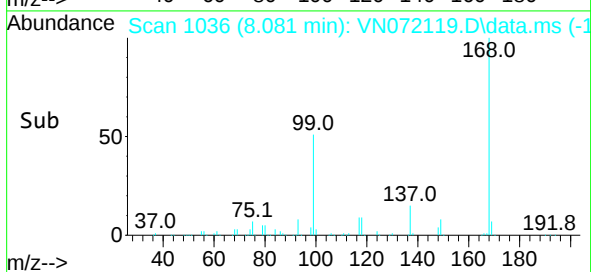
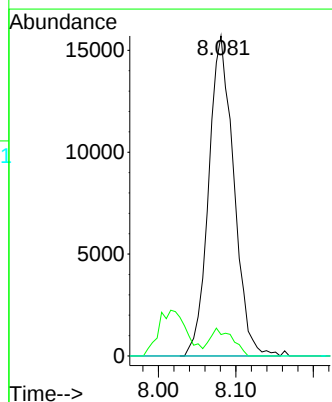
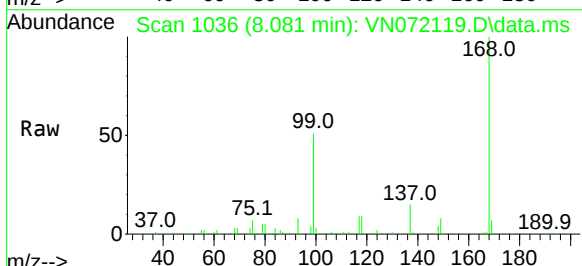
Tgt Ion: 75 Resp: 35316

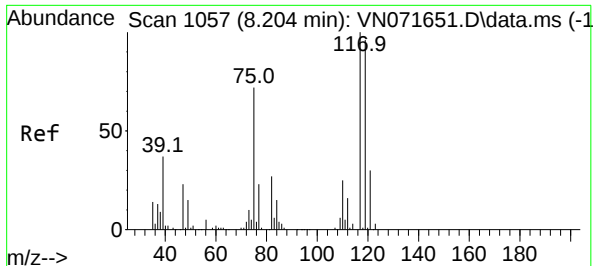
Ion Ratio Lower Upper

75 100

110 7.7 18.3 54.8#

77 0.0 25.1 37.7#

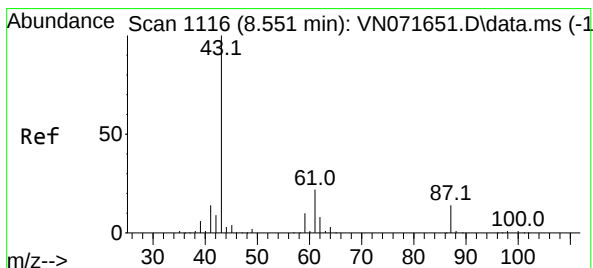
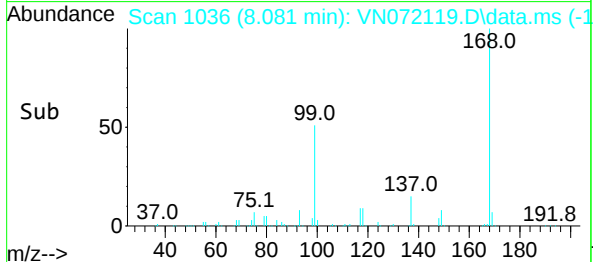
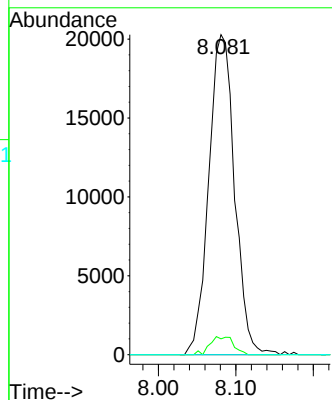
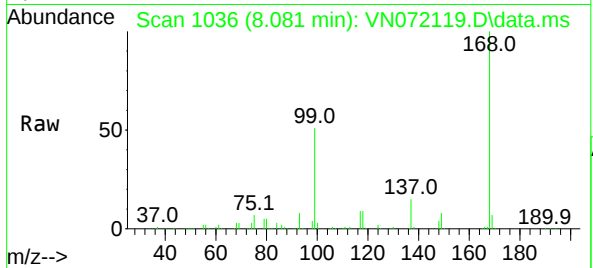




#38
Carbon Tetrachloride
Concen: 6.303 ug/l
RT: 8.081 min Scan# 110
Delta R.T. -0.123 min
Lab File: VN072119.D
Acq: 21 Apr 2022 12:34

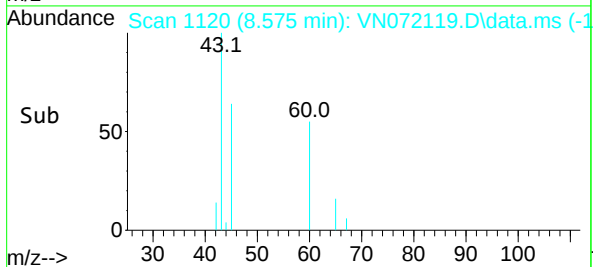
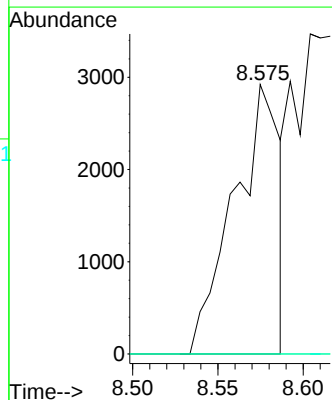
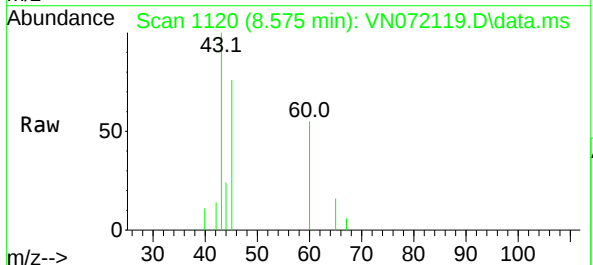
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBL01

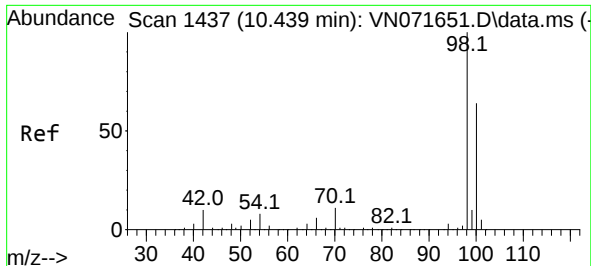
Tgt Ion:117 Resp: 47023
Ion Ratio Lower Upper
117 100
119 5.0 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 0.392 ug/l
RT: 8.575 min Scan# 1120
Delta R.T. 0.024 min
Lab File: VN072119.D
Acq: 21 Apr 2022 12:34

Tgt Ion: 43 Resp: 5439
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#

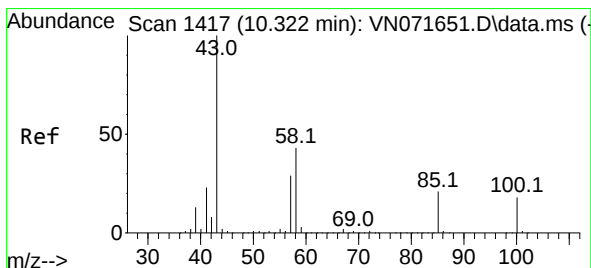
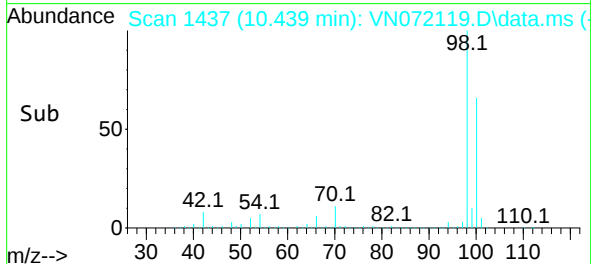
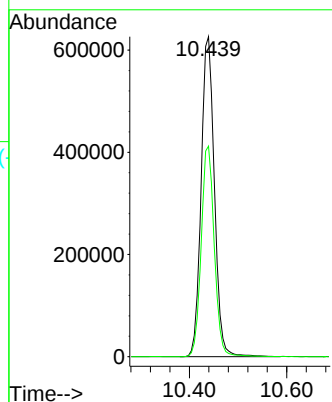
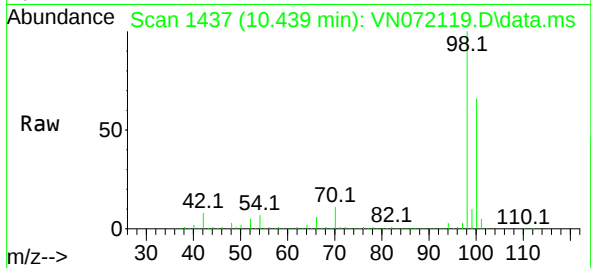




#50
Toluene-d8
Concen: 53.043 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072119.D
Acq: 21 Apr 2022 12:34

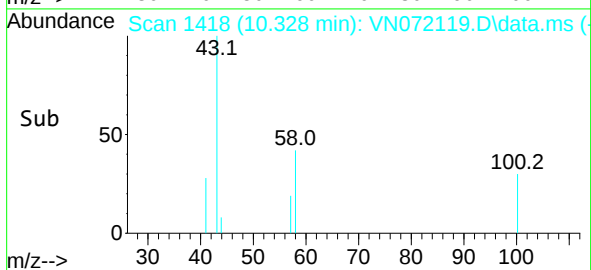
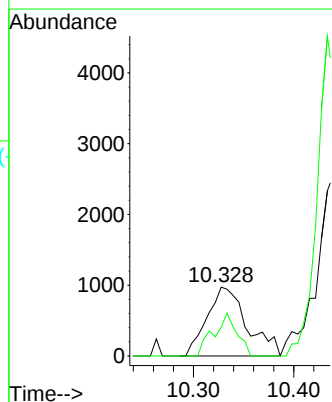
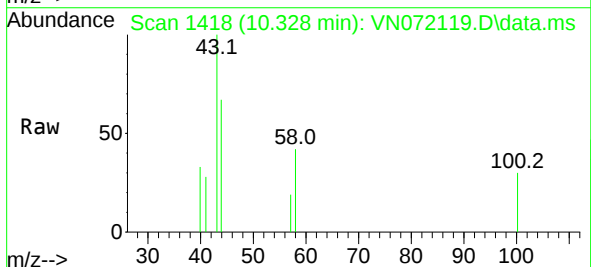
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBL01

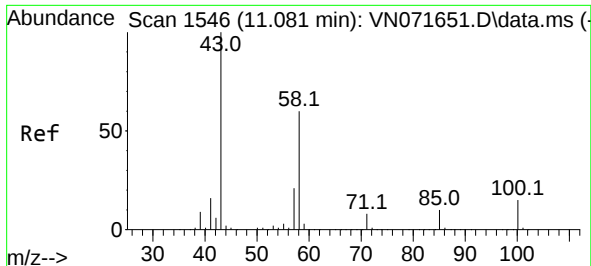
Tgt Ion: 98 Resp: 1182840
Ion Ratio Lower Upper
98 100
100 65.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.337 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. 0.006 min
Lab File: VN072119.D
Acq: 21 Apr 2022 12:34

Tgt Ion: 43 Resp: 2684
Ion Ratio Lower Upper
43 100
58 36.3 34.1 51.1

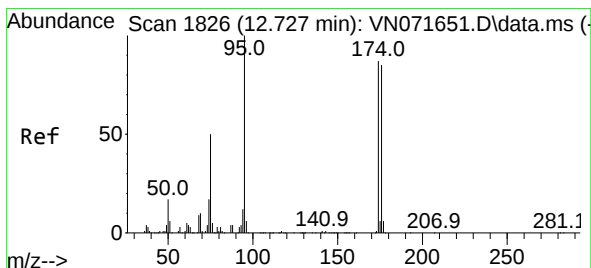
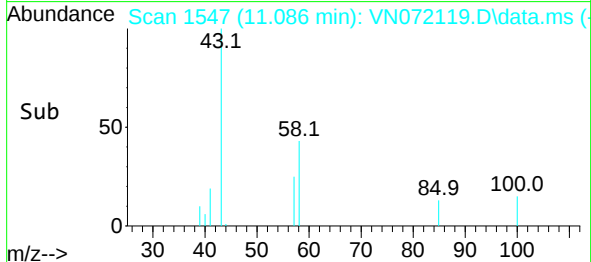
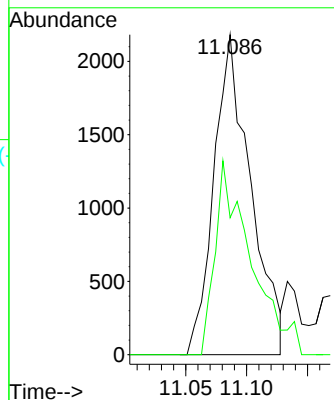
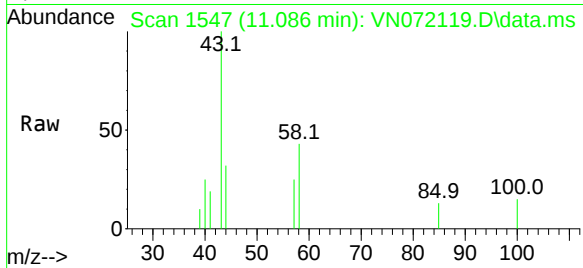




#59
2-Hexanone
Concen: 0.816 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN072119.D
Acq: 21 Apr 2022 12:34

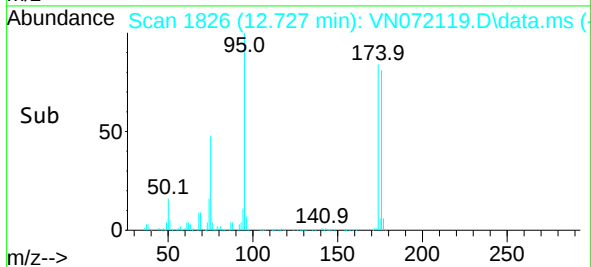
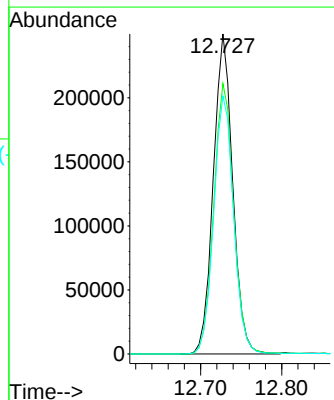
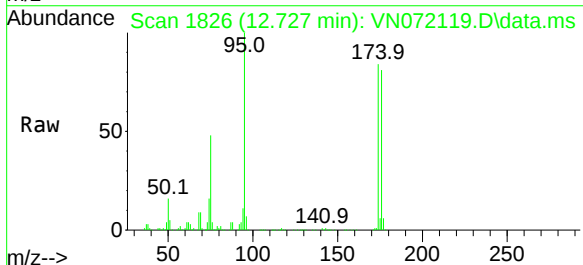
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBL01

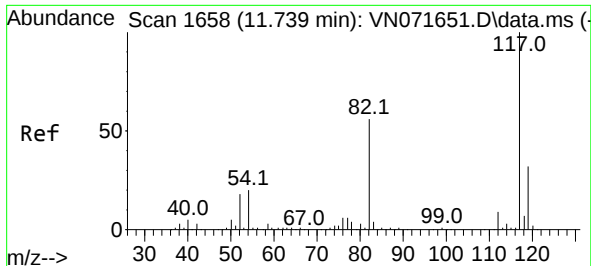
Tgt Ion: 43 Resp: 4578
Ion Ratio Lower Upper
43 100
58 59.1 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 57.376 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072119.D
Acq: 21 Apr 2022 12:34

Tgt Ion: 95 Resp: 413798
Ion Ratio Lower Upper
95 100
174 86.8 0.0 167.6
176 83.1 0.0 163.4

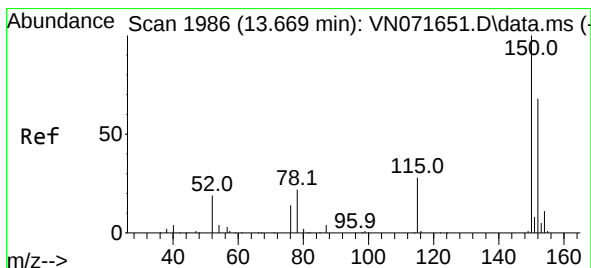
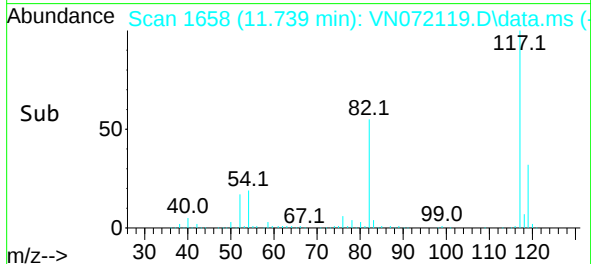
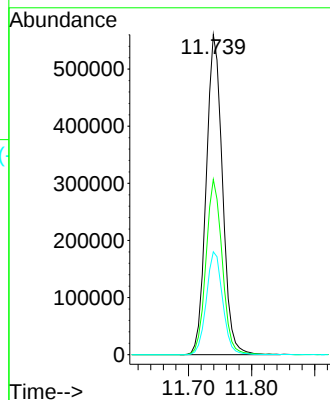
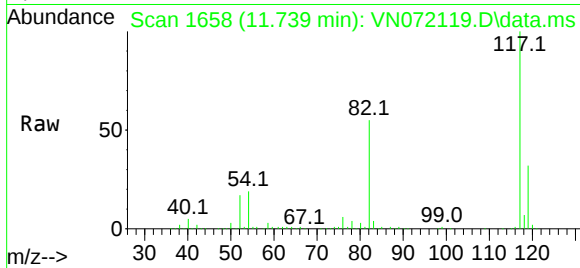




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072119.D
Acq: 21 Apr 2022 12:34

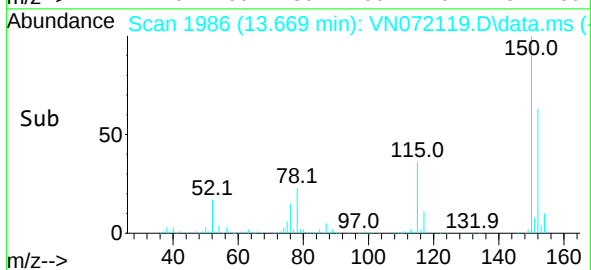
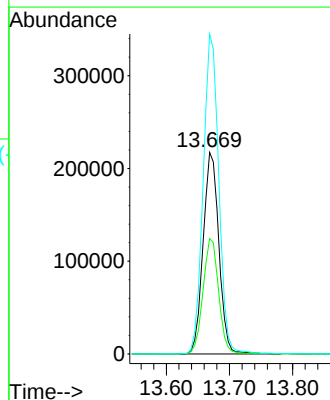
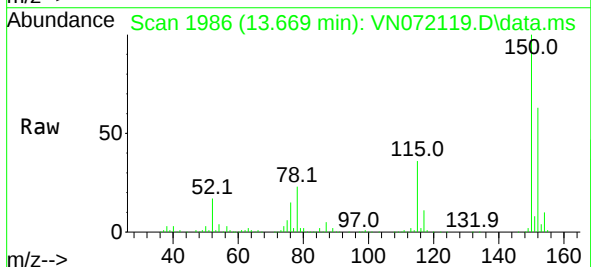
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBL01

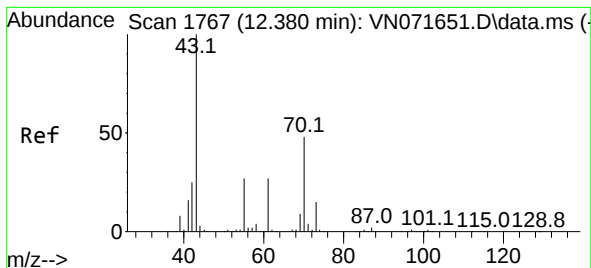
Tgt Ion:117 Resp: 1000997
Ion Ratio Lower Upper
117 100
82 54.7 44.2 66.2
119 32.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN072119.D
Acq: 21 Apr 2022 12:34

Tgt Ion:152 Resp: 377142
Ion Ratio Lower Upper
152 100
115 56.9 28.9 86.7
150 157.4 0.0 356.2





#74

N-amy1 acetate

Concen: 0.319 ug/l

RT: 12.380 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN072119.D

Acq: 21 Apr 2022 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0421WBL01

Tgt Ion: 43 Resp: 2908

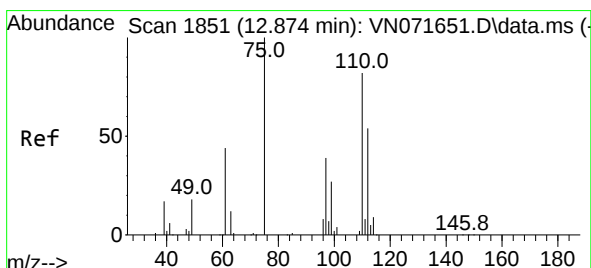
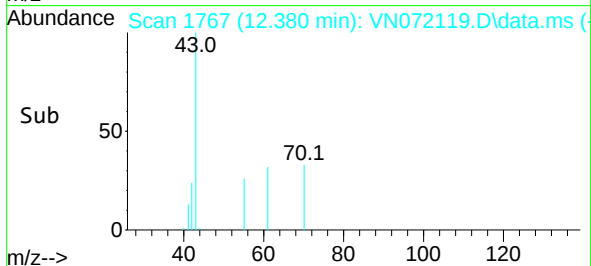
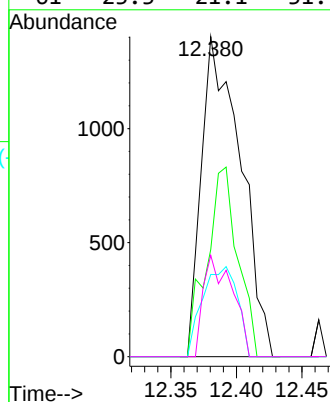
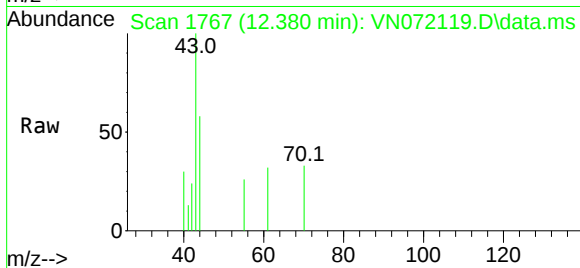
Ion Ratio Lower Upper

43 100

70 46.8 39.0 58.4

55 25.1 21.1 31.7

61 23.3 21.1 31.7



#76

1,2,3-Trichloropropane

Concen: 22.751 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. -0.147 min

Lab File: VN072119.D

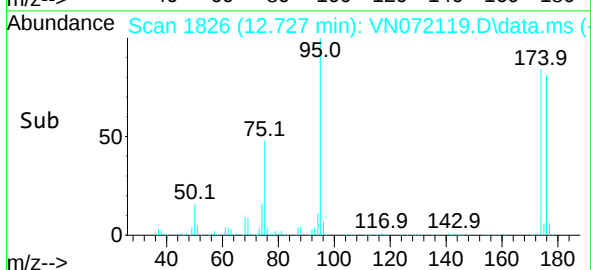
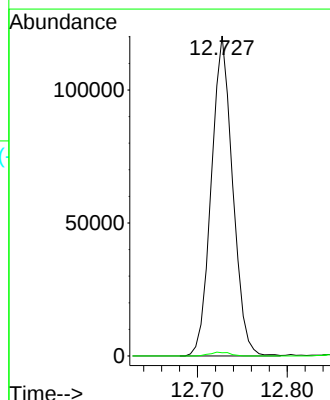
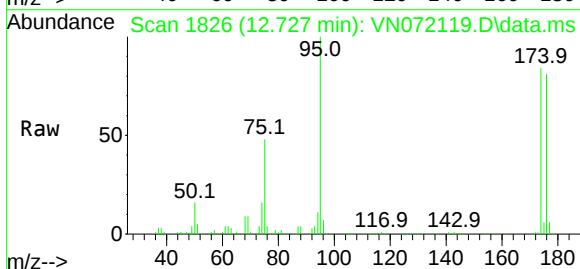
Acq: 21 Apr 2022 12:34

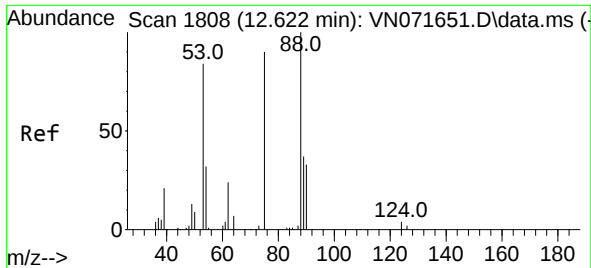
Tgt Ion: 75 Resp: 198773

Ion Ratio Lower Upper

75 100

77 1.1 98.5 295.5#

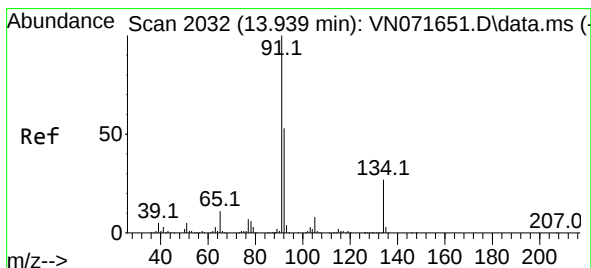
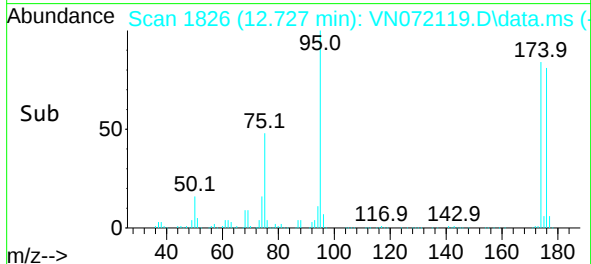
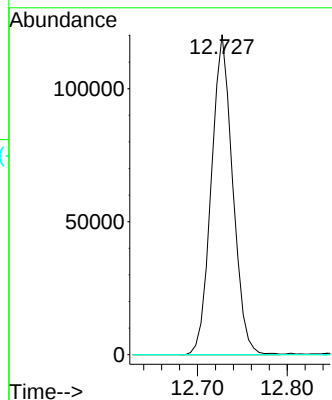
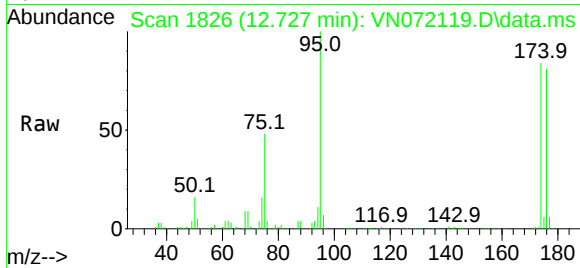




#81
trans-1,4-Dichloro-2-butene
Concen: 70.505 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN072119.D
Acq: 21 Apr 2022 12:34

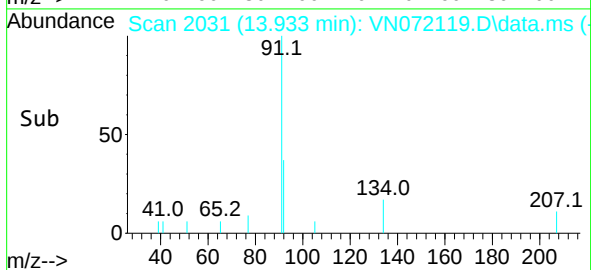
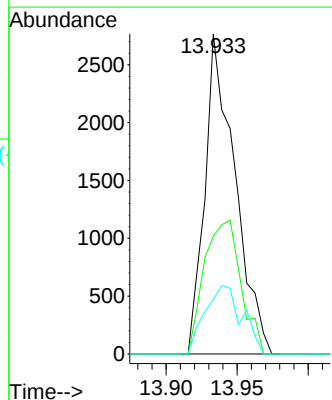
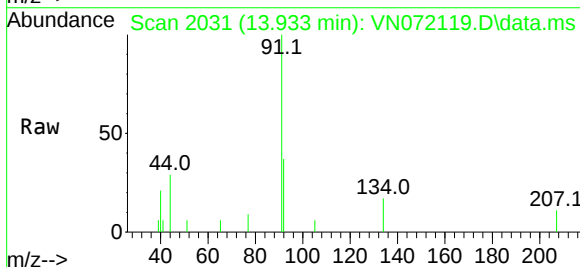
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBL01

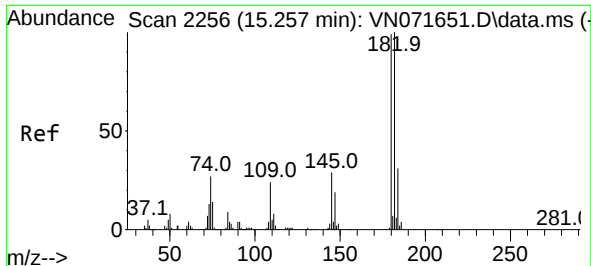
Tgt Ion: 75 Resp: 198773
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#89
n-Butylbenzene
Concen: 0.230 ug/l
RT: 13.933 min Scan# 2031
Delta R.T. -0.006 min
Lab File: VN072119.D
Acq: 21 Apr 2022 12:34

Tgt Ion: 91 Resp: 4065
Ion Ratio Lower Upper
91 100
92 50.8 26.9 80.7
134 26.2 13.6 40.8

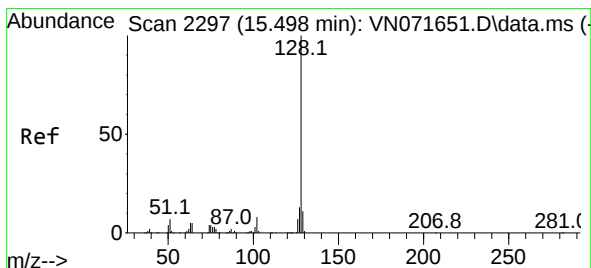
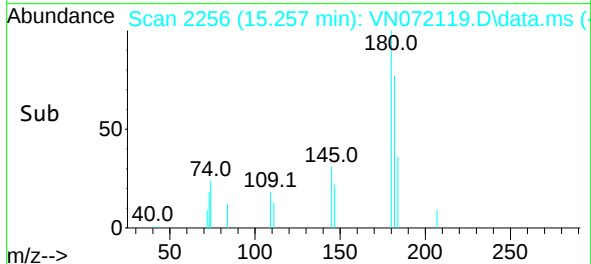
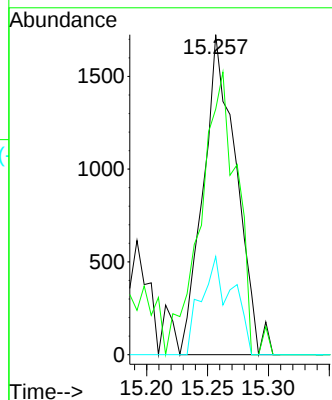
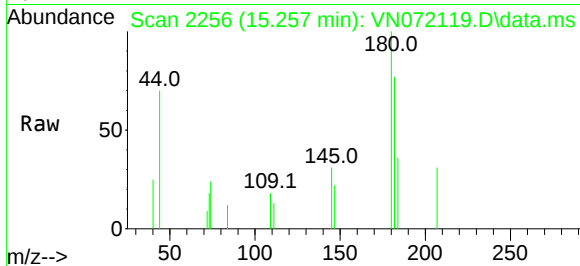




#93
1,2,4-Trichlorobenzene
Concen: 2.605 ug/l
RT: 15.257 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN072119.D
Acq: 21 Apr 2022 12:34

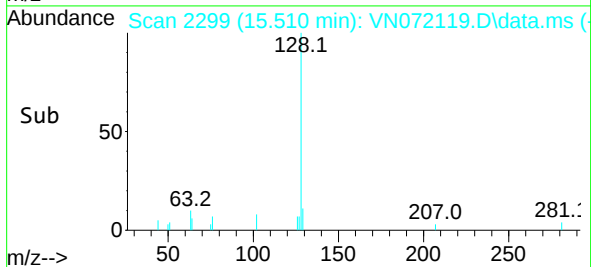
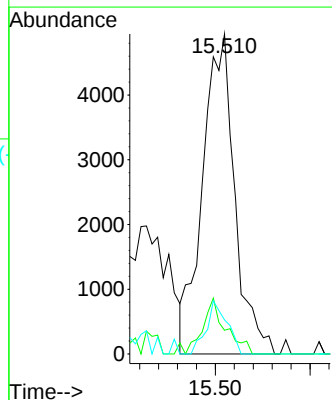
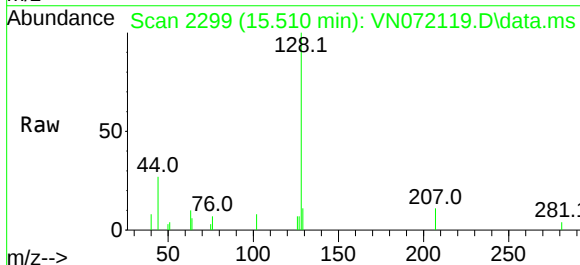
Instrument :
MSVOA_N
ClientSampleId :
VN0421WBL01

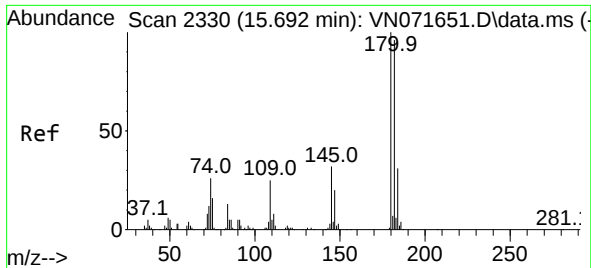
Tgt Ion:180 Resp: 3250
Ion Ratio Lower Upper
180 100
182 95.8 47.5 142.5
145 29.2 14.5 43.5



#95
Naphthalene
Concen: 4.429 ug/l
RT: 15.510 min Scan# 2299
Delta R.T. 0.012 min
Lab File: VN072119.D
Acq: 21 Apr 2022 12:34

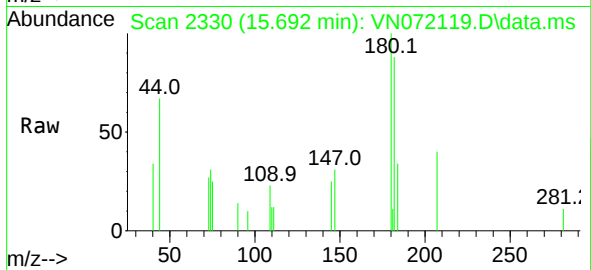
Tgt Ion:128 Resp: 11640
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.7 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 3.013 ug/l
 RT: 15.692 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN072119.D
 Acq: 21 Apr 2022 12:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0421WBL01



Tgt Ion:	180	Resp:	3656
Ion	Ratio	Lower	Upper
180	100		
182	98.3	47.8	143.3
145	34.5	15.5	46.5

