

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112023\
 Data File : VN080218.D
 Acq On : 20 Nov 2023 19:21
 Operator : JC\MD
 Sample : 05469-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 21 01:10:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

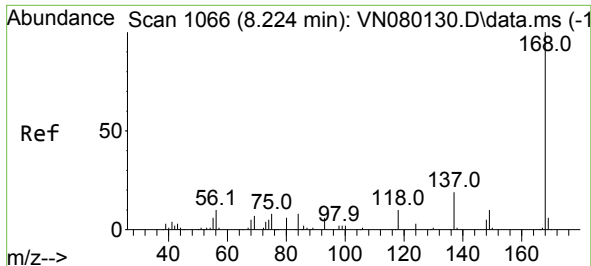
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.229	168	143311	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	265350	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	296240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	126739	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	134380	56.789	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.580%			
35) Dibromofluoromethane	8.165	113	101044	51.607	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.220%			
50) Toluene-d8	10.570	98	363935	51.564	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.120%			
62) 4-Bromofluorobenzene	12.853	95	144308	54.131	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.260%			
Target Compounds					Qvalue	
6) Chloroethane	3.112	64	413	Below Cal	#	43
14) Allyl chloride	5.294	41	1104	0.579	ug/l #	19
16) Acetone	4.430	43	18106	22.781	ug/l	95
18) Methyl Acetate	5.030	43	3156	1.236	ug/l #	81
20) Methylene Chloride	5.277	84	58173	34.952	ug/l	95
25) 2-Butanone	7.500	43	1402	1.485	ug/l #	86
31) Cyclohexane	8.224	56	3355	1.304	ug/l #	20
36) 1,1-Dichloropropene	8.229	75	12058	4.254	ug/l #	51
37) Ethyl Acetate	7.559	43	2230	1.134	ug/l #	70
38) Carbon Tetrachloride	8.224	117	17004	4.727	ug/l #	18
43) Isopropyl Acetate	8.694	43	100789	26.341	ug/l #	83
45) 1,2-Dichloropropane	9.747	63	1264	0.675	ug/l #	45
48) Methyl methacrylate	9.741	41	82379	41.778	ug/l #	30
51) 4-Methyl-2-Pentanone	10.447	43	3689	1.862	ug/l	95
54) cis-1,3-Dichloropropene	10.359	75	36118	11.037	ug/l #	70
56) Ethyl methacrylate	10.982	69	1261	0.641	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5345	1.591	ug/l #	42
59) 2-Hexanone	11.206	43	56061	35.218	ug/l #	45
74) N-amyl acetate	12.494	43	910	0.296	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	83675	26.946	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	83675	91.038	ug/l #	15

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

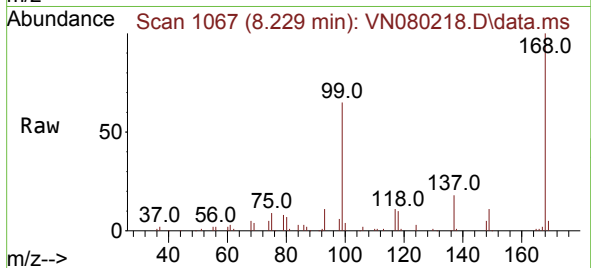
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Quant Title : SW846 8260
QLast Update : Fri Nov 17 01:19:32 2023
Response via : Initial Calibration



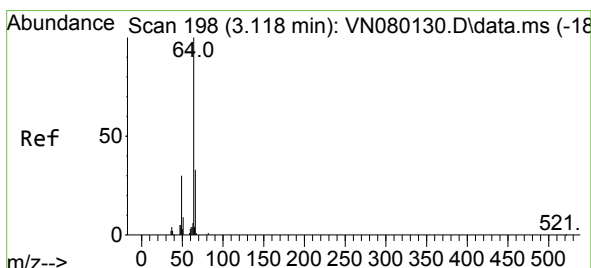
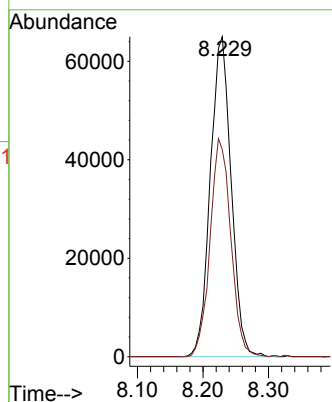
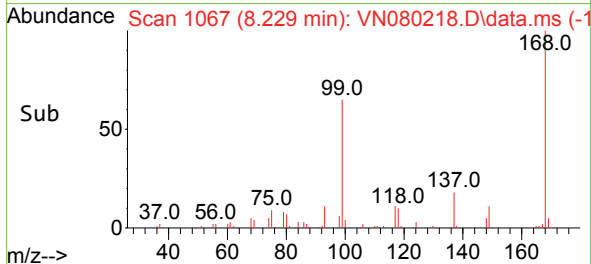


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1066
Delta R.T. 0.005 min
Lab File: VN080218.D
Acq: 20 Nov 2023 19:21

Instrument :
MSVOA_N
ClientSampleId :

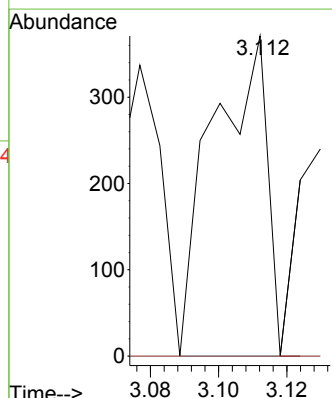
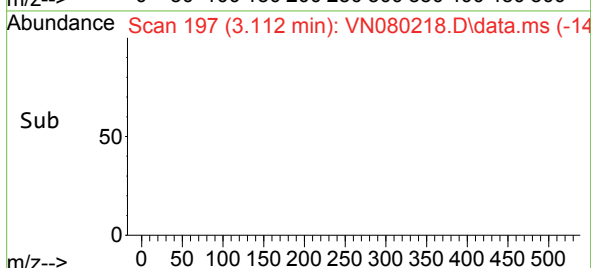
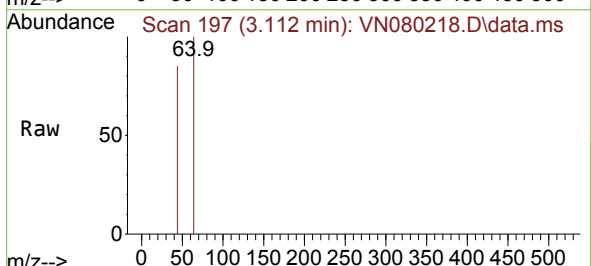


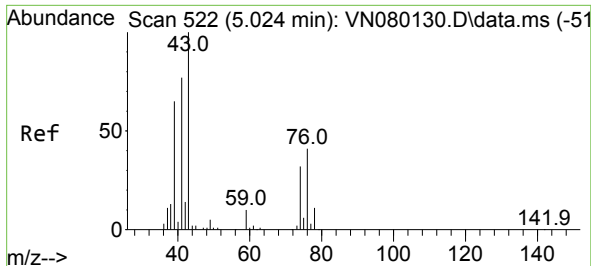
Tgt Ion:168 Resp: 143311
Ion Ratio Lower Upper
168 100
99 64.6 53.0 79.6



#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN080218.D
Acq: 20 Nov 2023 19:21

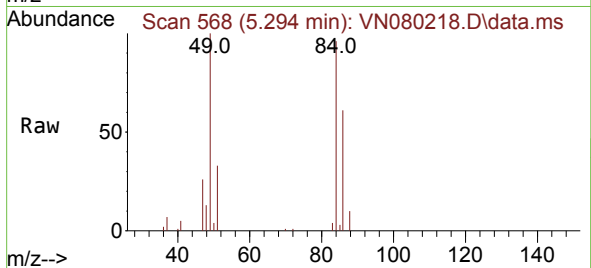
Tgt Ion: 64 Resp: 413
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



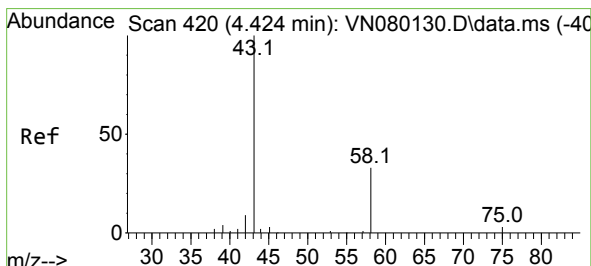
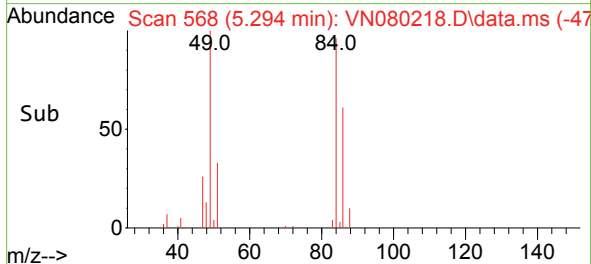
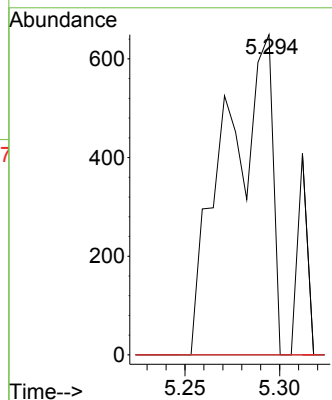


#14
 Allyl chloride
 Concen: 0.579 ug/l
 RT: 5.294 min Scan# 511
 Delta R.T. 0.270 min
 Lab File: VN080218.D
 Acq: 20 Nov 2023 19:21

Instrument :
 MSVOA_N
 ClientSampleId :

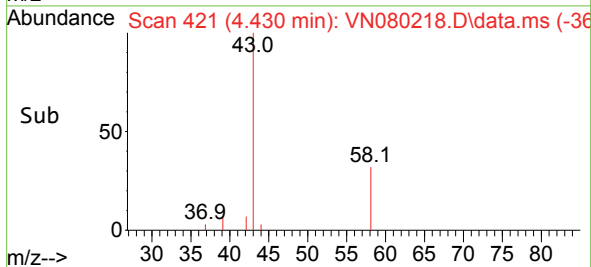
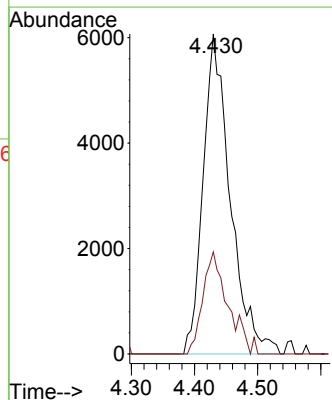
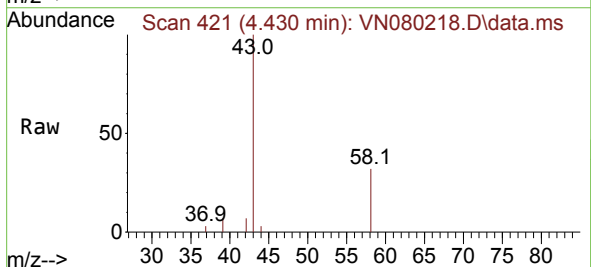


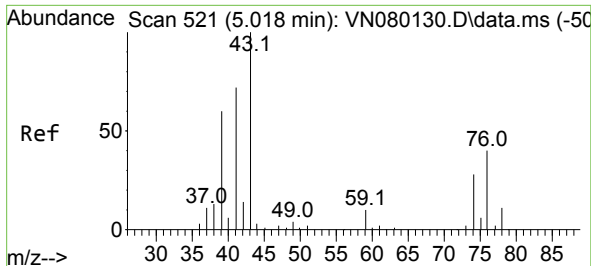
Tgt Ion: 41 Resp: 1104
 Ion Ratio Lower Upper
 41 100
 39 0.0 58.8 88.2#
 76 0.0 39.1 58.7#



#16
 Acetone
 Concen: 22.781 ug/l
 RT: 4.430 min Scan# 421
 Delta R.T. 0.006 min
 Lab File: VN080218.D
 Acq: 20 Nov 2023 19:21

Tgt Ion: 43 Resp: 18106
 Ion Ratio Lower Upper
 43 100
 58 31.9 28.0 42.0





#18

Methyl Acetate

Concen: 1.236 ug/l

RT: 5.030 min Scan# 51

Delta R.T. 0.012 min

Lab File: VN080218.D

Acq: 20 Nov 2023 19:21

Instrument :

MSVOA_N

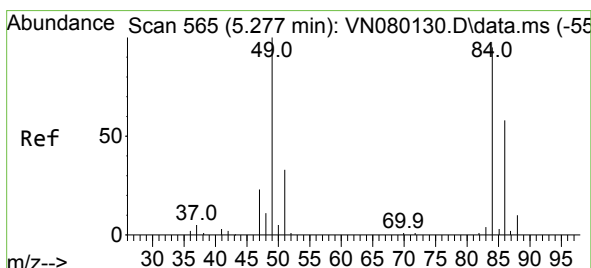
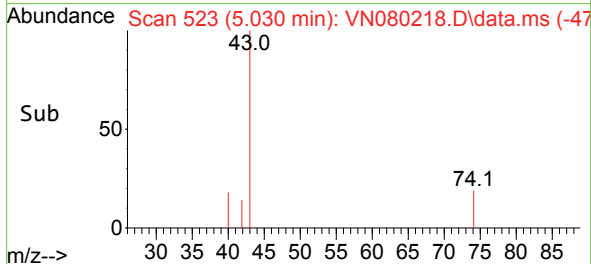
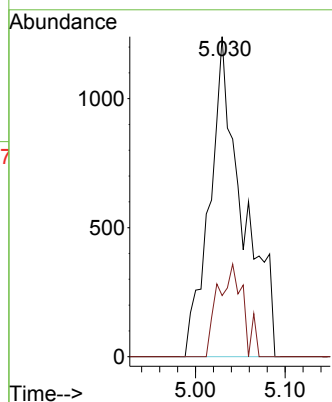
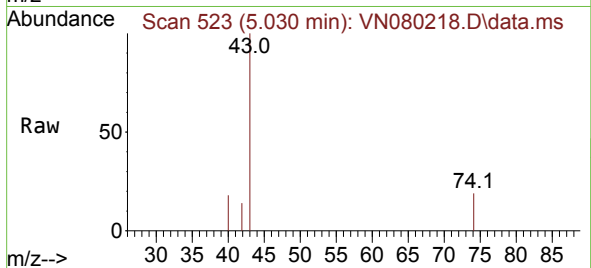
ClientSampleId :

Tgt Ion: 43 Resp: 3156

Ion Ratio Lower Upper

43 100

74 22.2 26.2 39.4#



#20

Methylene Chloride

Concen: 34.952 ug/l

RT: 5.277 min Scan# 565

Delta R.T. -0.000 min

Lab File: VN080218.D

Acq: 20 Nov 2023 19:21

Tgt Ion: 84 Resp: 58173

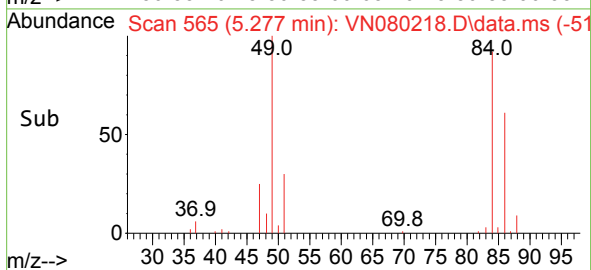
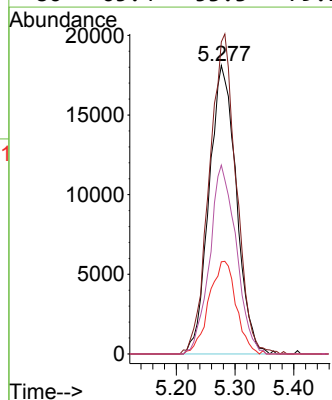
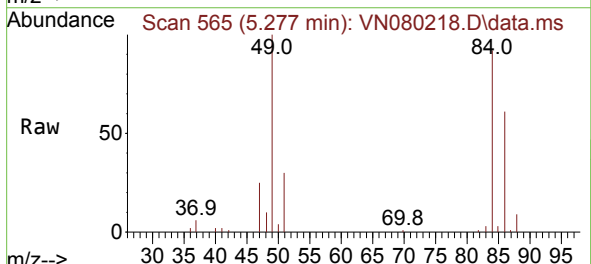
Ion Ratio Lower Upper

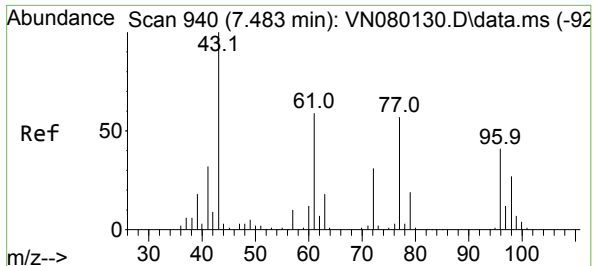
84 100

49 108.1 79.7 119.5

51 32.0 25.2 37.8

86 65.4 53.3 79.9

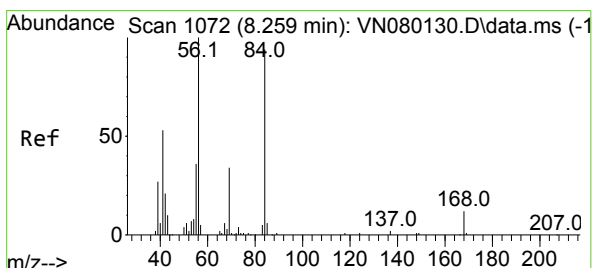
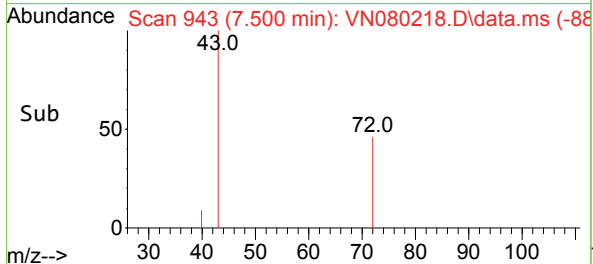
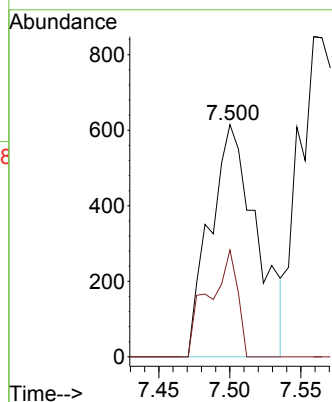
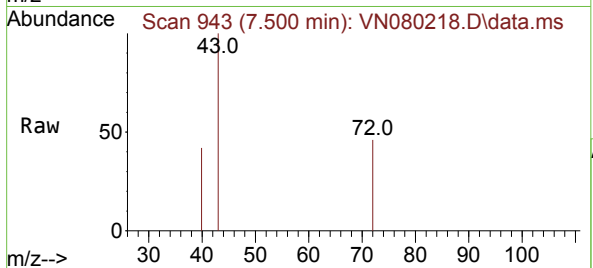




#25
2-Butanone
Concen: 1.485 ug/l
RT: 7.500 min Scan# 940
Delta R.T. 0.017 min
Lab File: VN080218.D
Acq: 20 Nov 2023 19:21

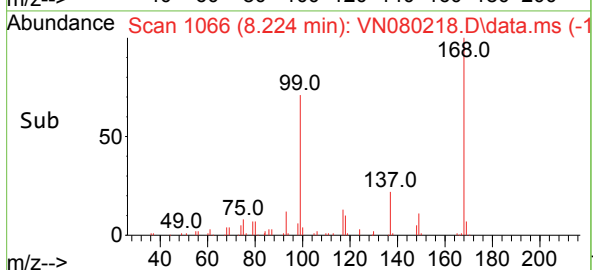
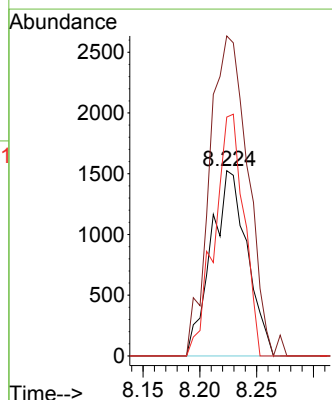
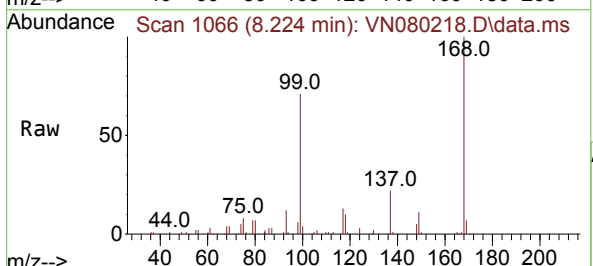
Instrument :
MSVOA_N
ClientSampleId :

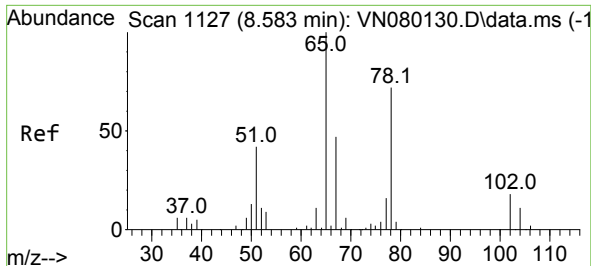
Tgt Ion: 43 Resp: 1402
Ion Ratio Lower Upper
43 100
72 46.0 30.2 45.2#



#31
Cyclohexane
Concen: 1.304 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.036 min
Lab File: VN080218.D
Acq: 20 Nov 2023 19:21

Tgt Ion: 56 Resp: 3355
Ion Ratio Lower Upper
56 100
69 172.7 26.8 40.2#
84 128.9 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 56.789 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN080218.D

Acq: 20 Nov 2023 19:21

Instrument :

MSVOA_N

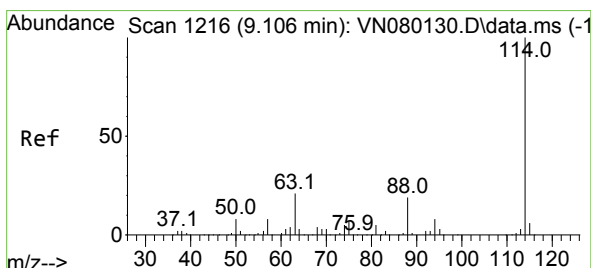
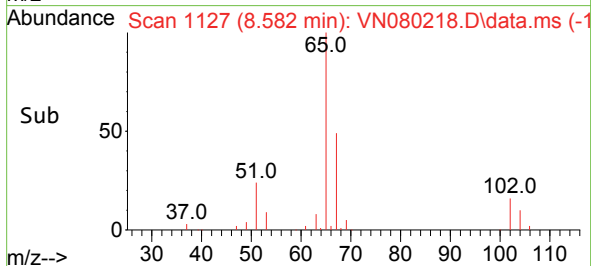
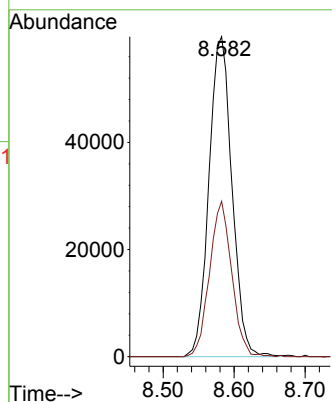
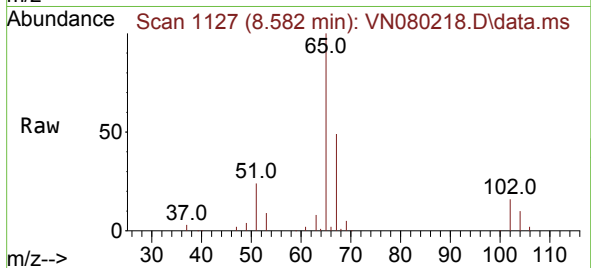
ClientSampleId :

Tgt Ion: 65 Resp: 134380

Ion Ratio Lower Upper

65 100

67 46.8 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN080218.D

Acq: 20 Nov 2023 19:21

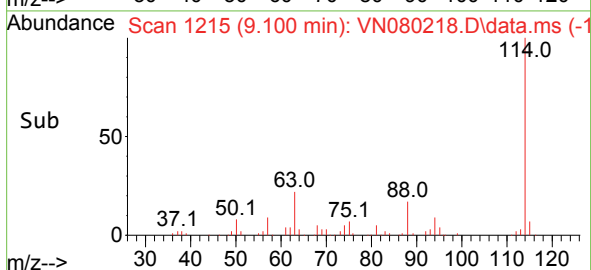
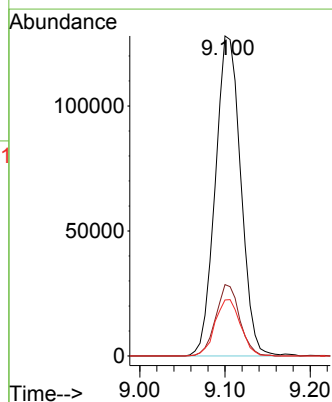
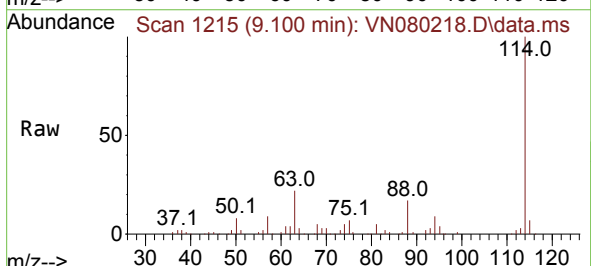
Tgt Ion: 114 Resp: 265350

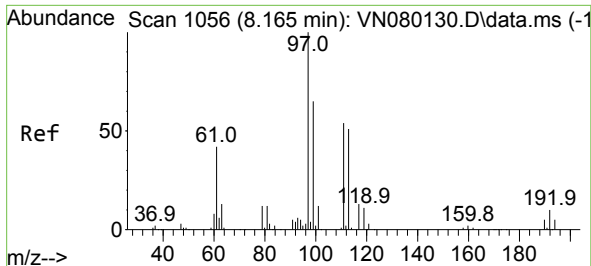
Ion Ratio Lower Upper

114 100

63 22.3 0.0 36.4

88 17.5 0.0 30.6

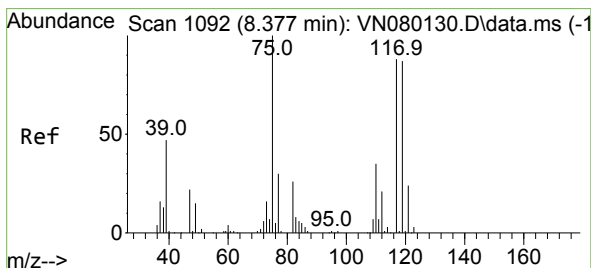
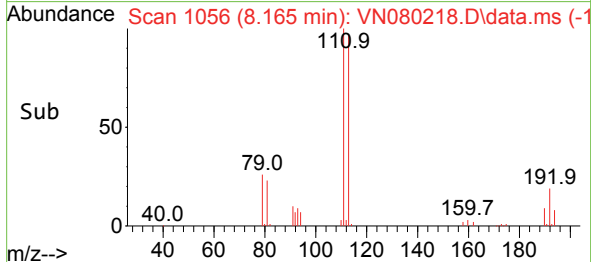
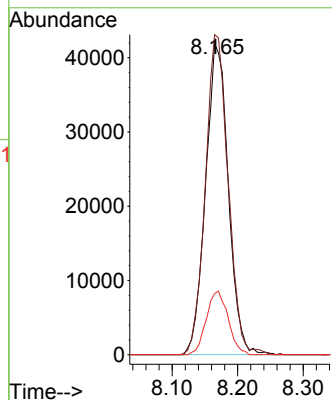
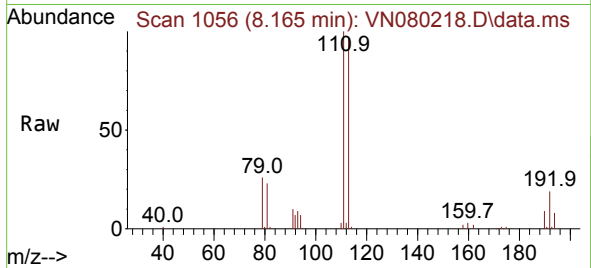




#35
Dibromofluoromethane
Concen: 51.607 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN080218.D
Acq: 20 Nov 2023 19:21

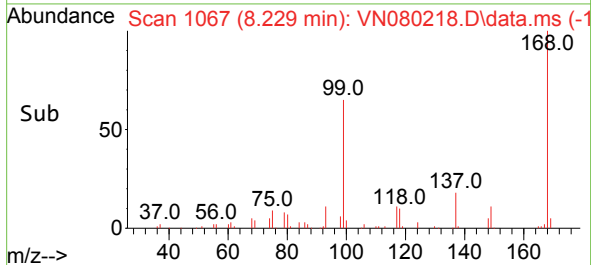
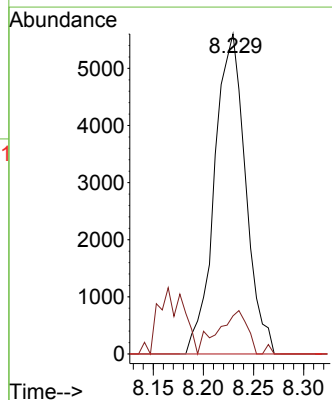
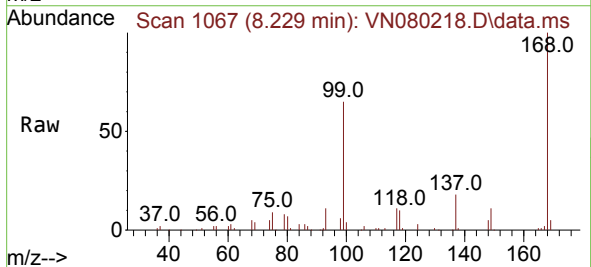
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ClientSampleId :

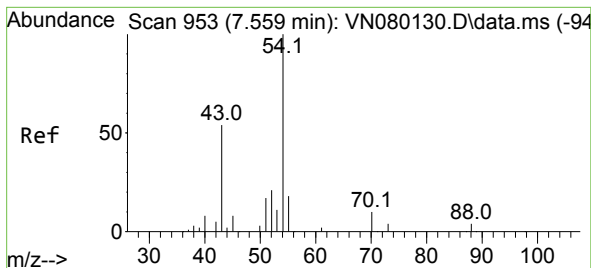
Tgt Ion:113 Resp: 101044
Ion Ratio Lower Upper
113 100
111 103.1 82.6 123.8
192 19.6 12.7 19.1#



#36
1,1-Dichloropropene
Concen: 4.254 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN080218.D
Acq: 20 Nov 2023 19:21

Tgt Ion: 75 Resp: 12058
Ion Ratio Lower Upper
75 100
110 12.7 19.1 57.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.134 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

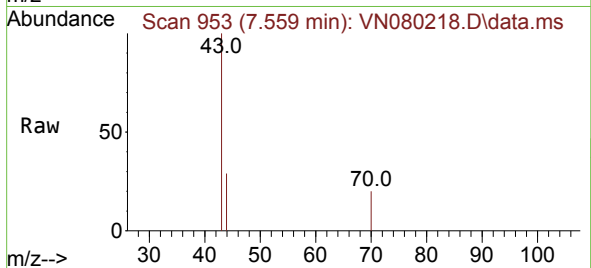
Lab File: VN080218.D

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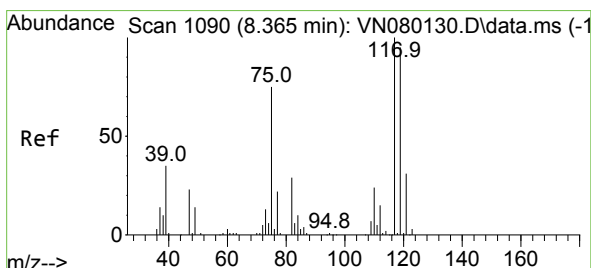
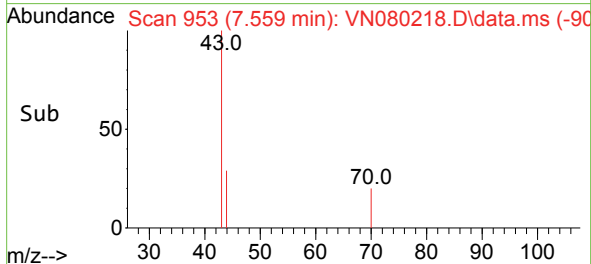
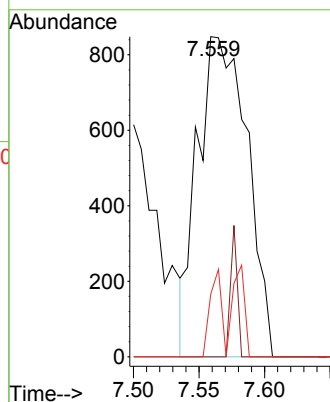
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	2230
Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.2	19.8#
70	6.3	11.3	16.9#



#38

Carbon Tetrachloride

Concen: 4.727 ug/l

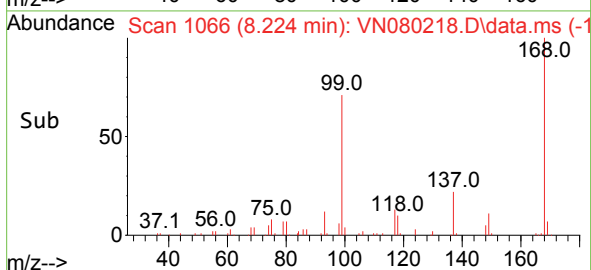
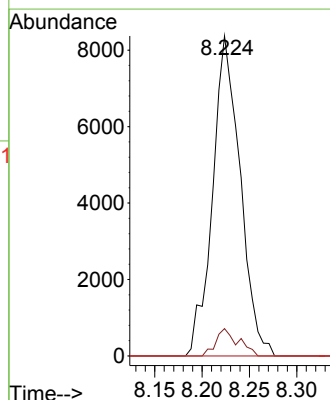
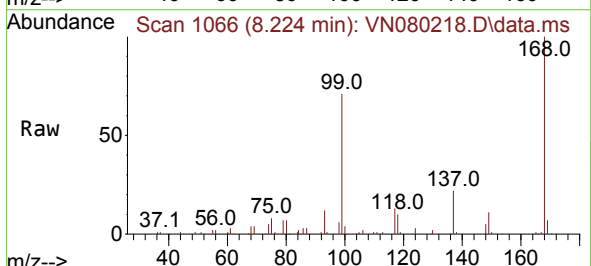
RT: 8.224 min Scan# 1066

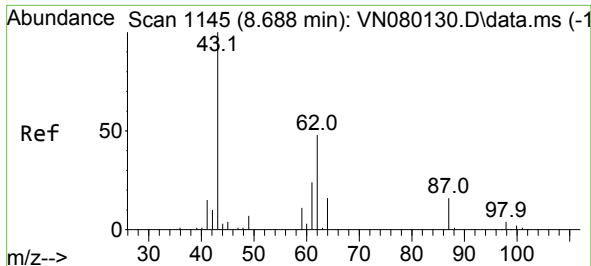
Delta R.T. -0.141 min

Lab File: VN080218.D

Acq: 20 Nov 2023 19:21

Tgt Ion:	117	Resp:	17004
Ion	Ratio	Lower	Upper
117	100		
119	8.6	77.3	115.9#
121	0.0	23.3	34.9#

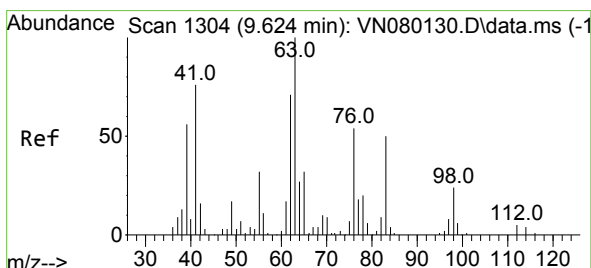
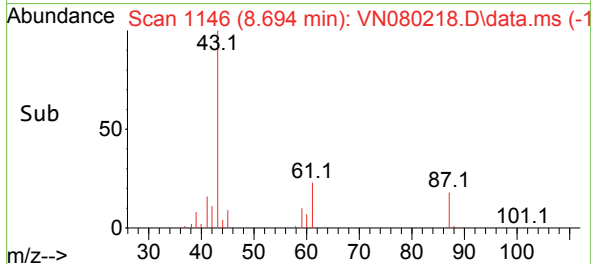
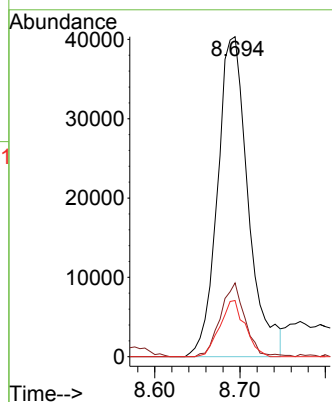
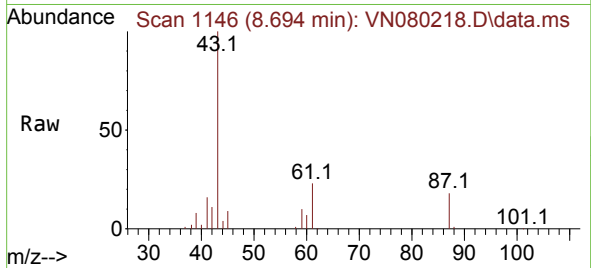




#43
Isopropyl Acetate
Concen: 26.341 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN080218.D
Acq: 20 Nov 2023 19:21

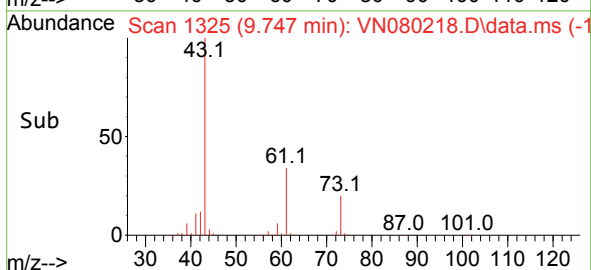
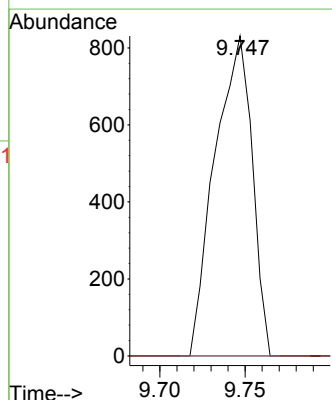
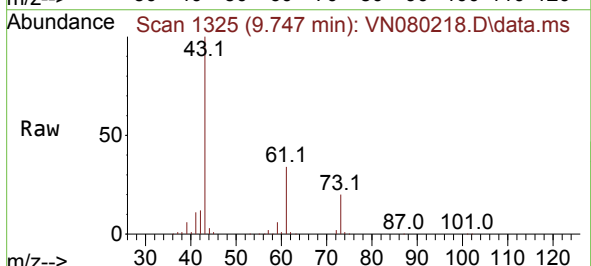
Instrument :
MSVOA_N
ClientSampleId :

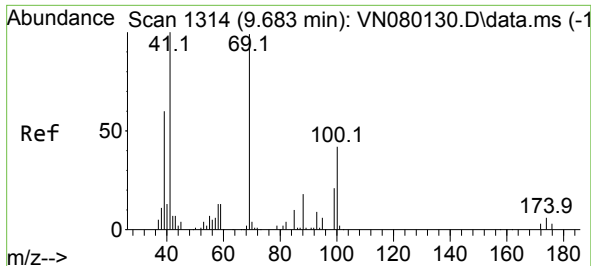
Tgt Ion: 43 Resp: 100789
Ion Ratio Lower Upper
43 100
61 18.6 24.7 37.1#
87 14.5 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.675 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN080218.D
Acq: 20 Nov 2023 19:21

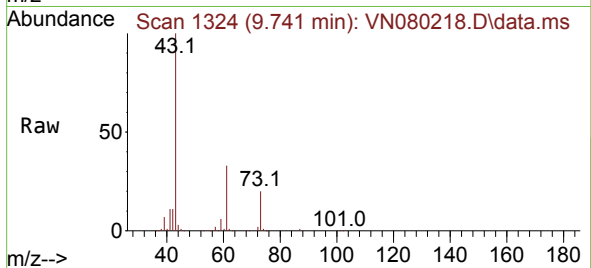
Tgt Ion: 63 Resp: 1264
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



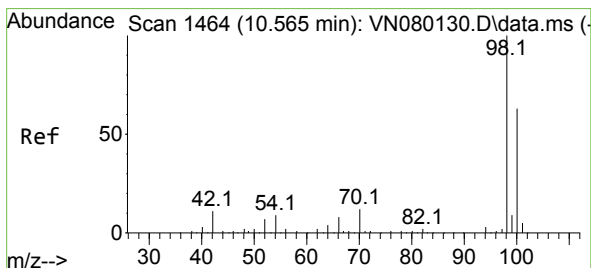
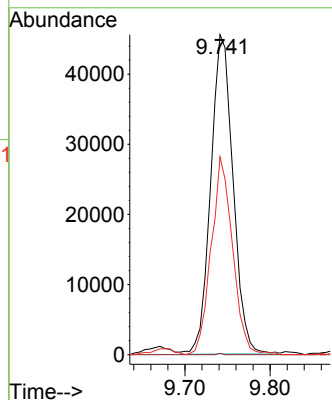
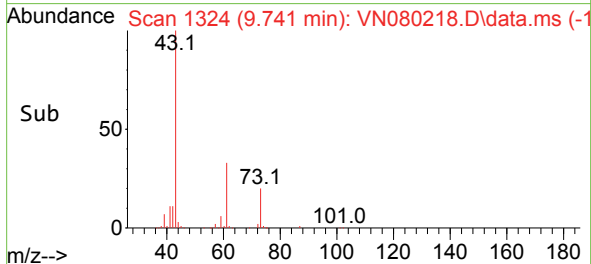


#48
Methyl methacrylate
Concen: 41.778 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN080218.D
Acq: 20 Nov 2023 19:21

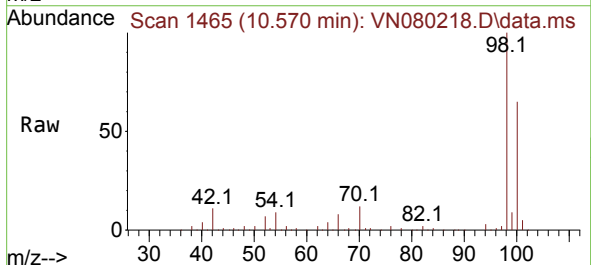
Instrument :
MSVOA_N
ClientSampleId :



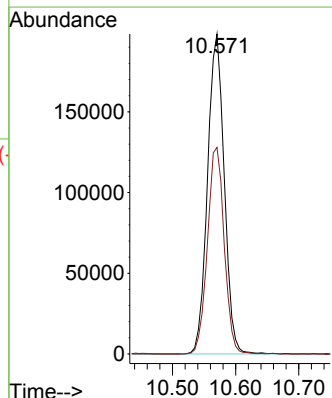
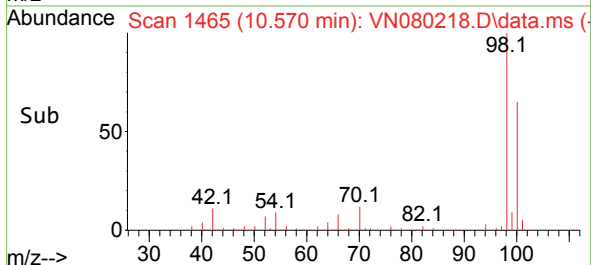
Tgt Ion: 41 Resp: 82379
Ion Ratio Lower Upper
41 100
69 0.1 90.4 135.6#
39 59.8 54.6 81.8

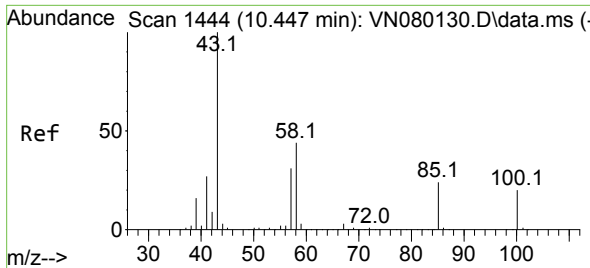


#50
Toluene-d8
Concen: 51.564 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080218.D
Acq: 20 Nov 2023 19:21



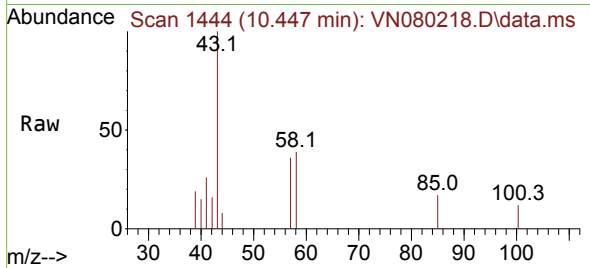
Tgt Ion: 98 Resp: 363935
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0



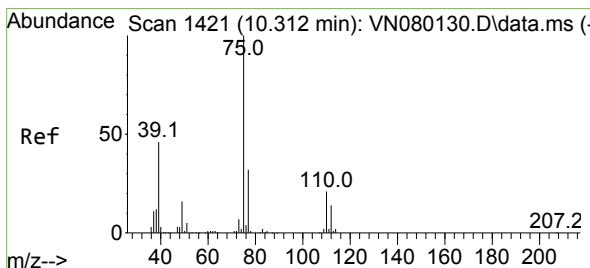
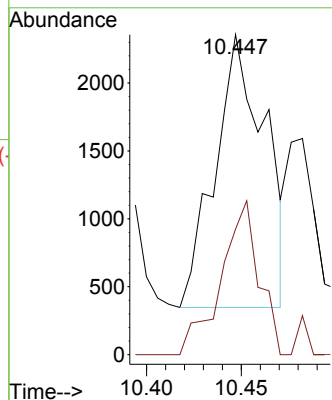
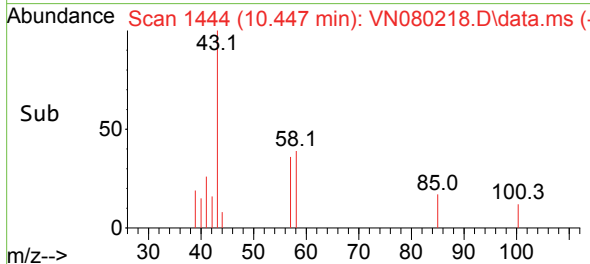


#51
4-Methyl-2-Pentanone
Concen: 1.862 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN080218.D
Acq: 20 Nov 2023 19:21

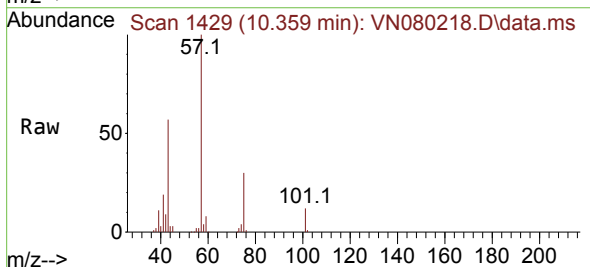
Instrument :
MSVOA_N
ClientSampleId :



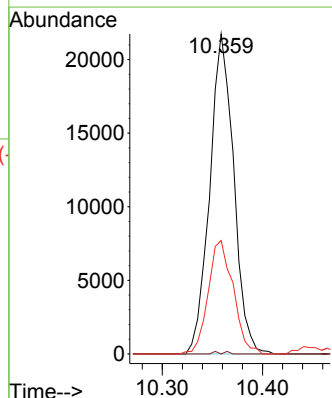
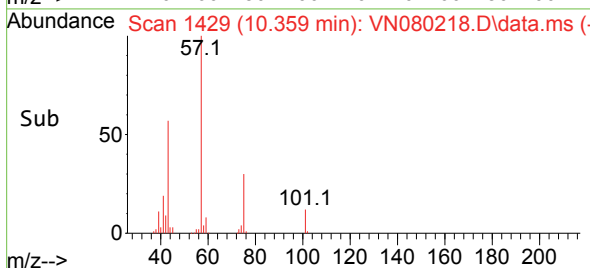
Tgt Ion: 43 Resp: 3689
Ion Ratio Lower Upper
43 100
58 42.6 36.6 54.8

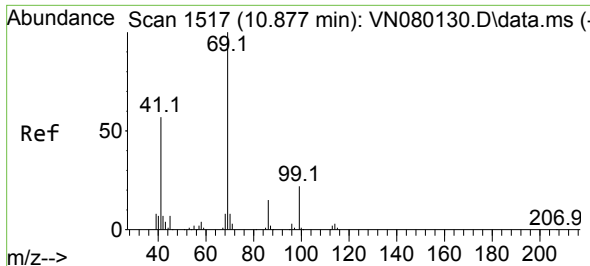


#54
cis-1,3-Dichloropropene
Concen: 11.037 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN080218.D
Acq: 20 Nov 2023 19:21



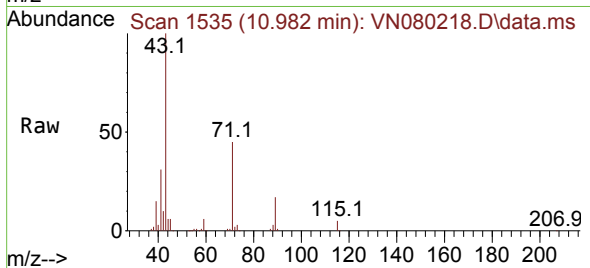
Tgt Ion: 75 Resp: 36118
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 35.5 31.6 47.4



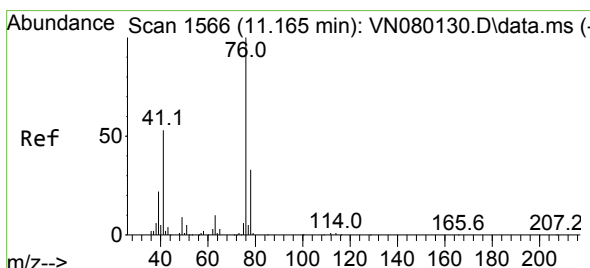
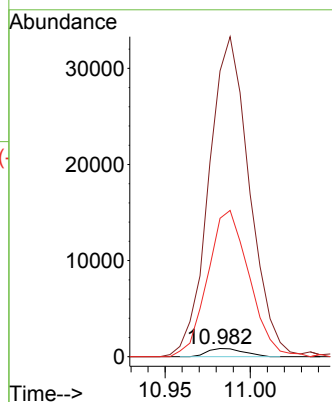
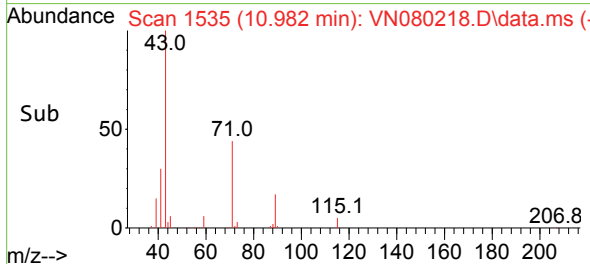


#56
Ethyl methacrylate
Concen: 0.641 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN080218.D
Acq: 20 Nov 2023 19:21

Instrument :
MSVOA_N
ClientSampleId :

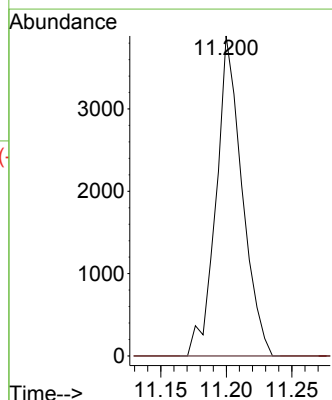
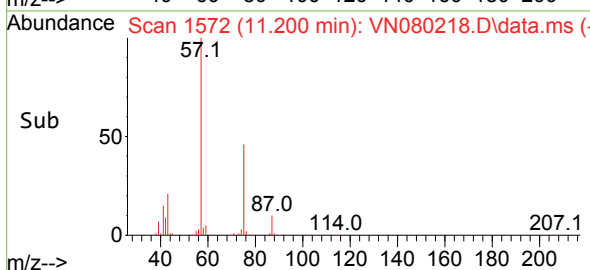
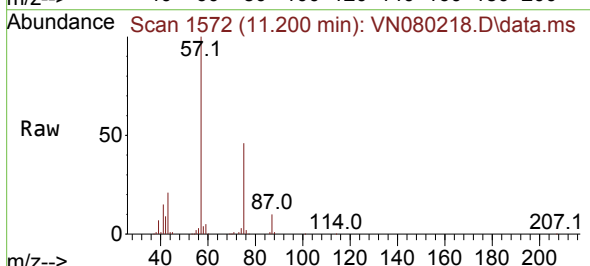


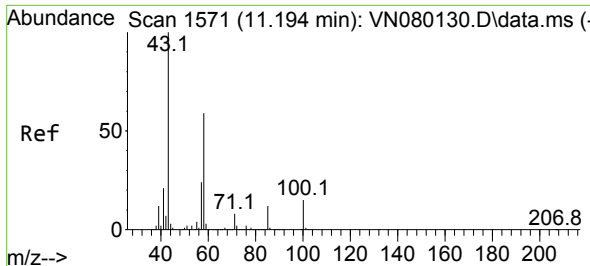
Tgt Ion: 69 Resp: 1261
Ion Ratio Lower Upper
69 100
41 4402.4 39.6 59.4#
39 2057.0 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.591 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN080218.D
Acq: 20 Nov 2023 19:21

Tgt Ion: 76 Resp: 5345
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

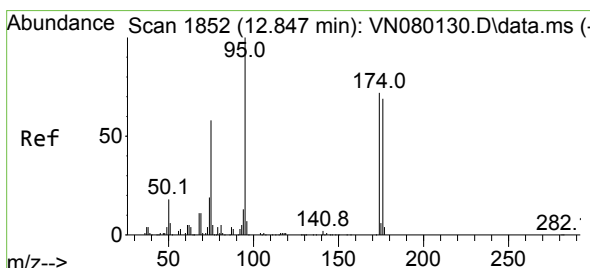
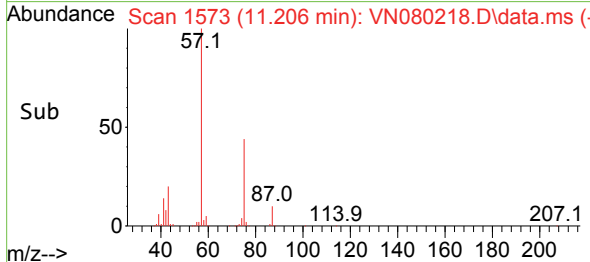
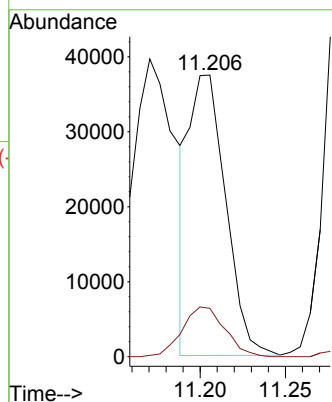
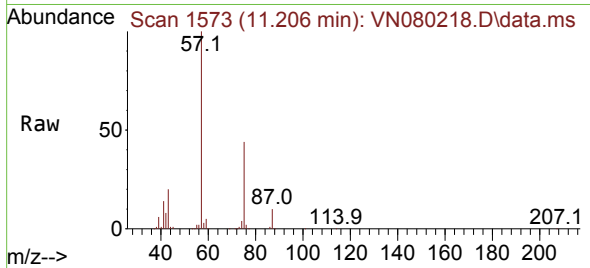




#59
2-Hexanone
Concen: 35.218 ug/l
RT: 11.206 min Scan# 111
Delta R.T. 0.012 min
Lab File: VN080218.D
Acq: 20 Nov 2023 19:21

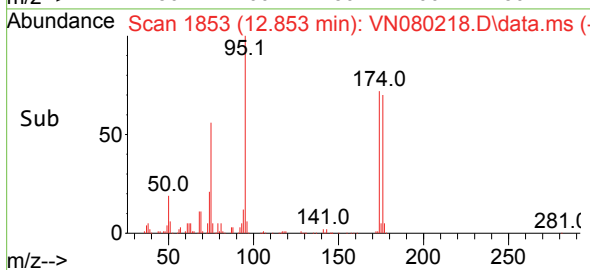
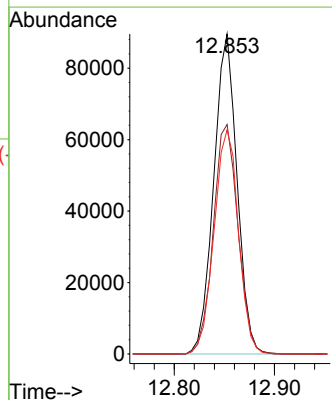
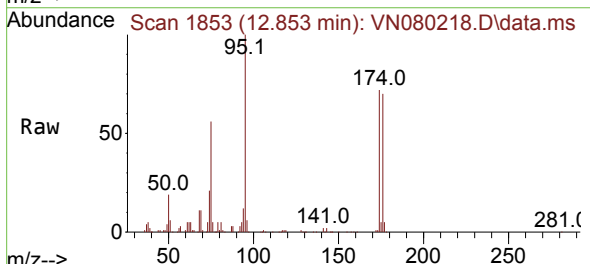
Instrument :
MSVOA_N
ClientSampleId :

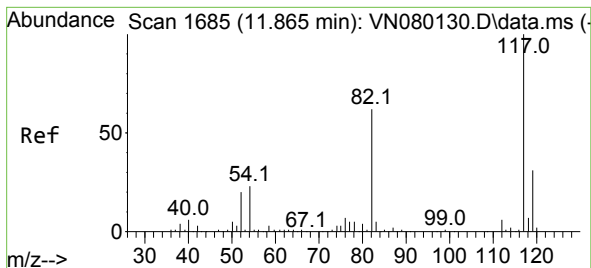
Tgt Ion: 43 Resp: 56061
Ion Ratio Lower Upper
43 100
58 20.6 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 54.131 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080218.D
Acq: 20 Nov 2023 19:21

Tgt Ion: 95 Resp: 144308
Ion Ratio Lower Upper
95 100
174 76.2 0.0 143.8
176 73.3 0.0 135.8

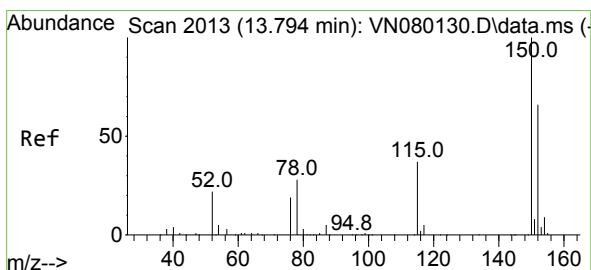
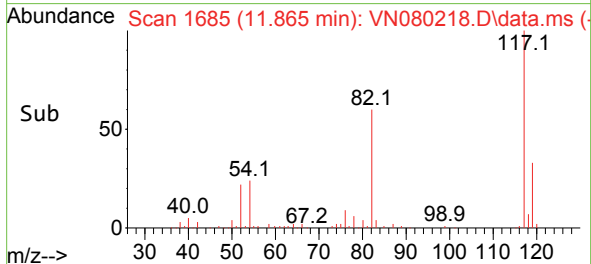
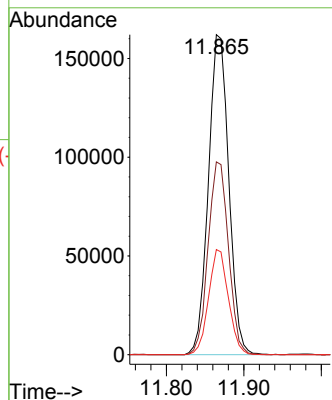
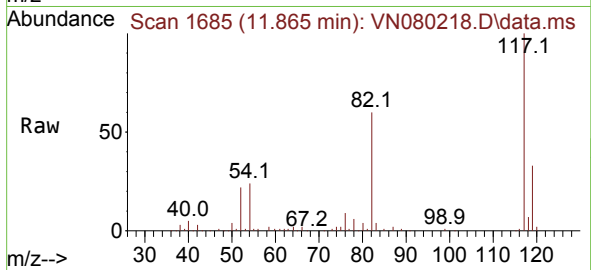




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN080218.D
Acq: 20 Nov 2023 19:21

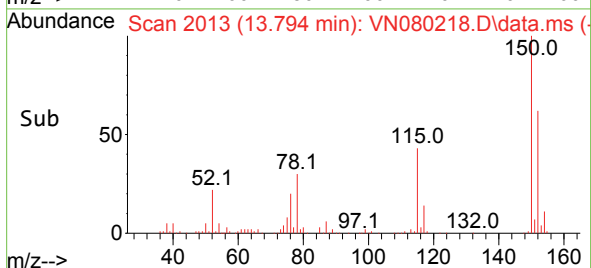
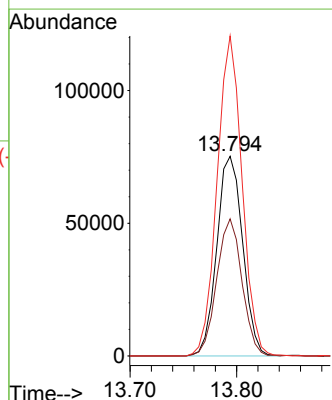
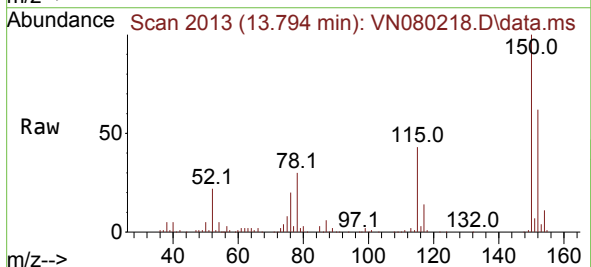
Instrument :
MSVOA_N
ClientSampleId :

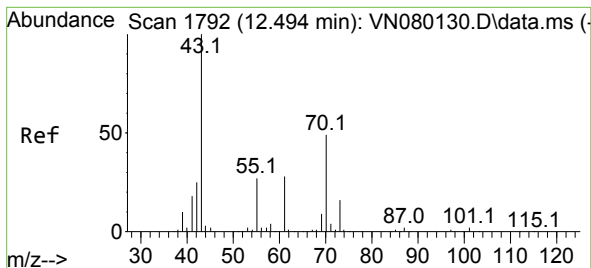
Tgt Ion:117 Resp: 296240
Ion Ratio Lower Upper
117 100
82 60.3 44.0 66.0
119 32.8 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN080218.D
Acq: 20 Nov 2023 19:21

Tgt Ion:152 Resp: 126739
Ion Ratio Lower Upper
152 100
115 67.2 32.3 96.8
150 154.6 0.0 355.8





#74

N-amy1 acetate

Concen: 0.296 ug/l

RT: 12.494 min Scan# 1

Delta R.T. -0.000 min

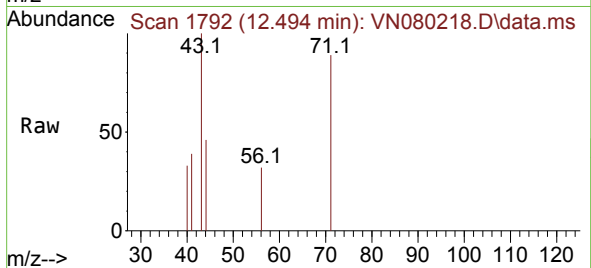
Lab File: VN080218.D

Acq: 20 Nov 2023 19:21

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 910

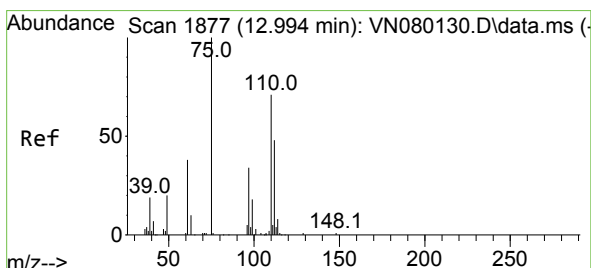
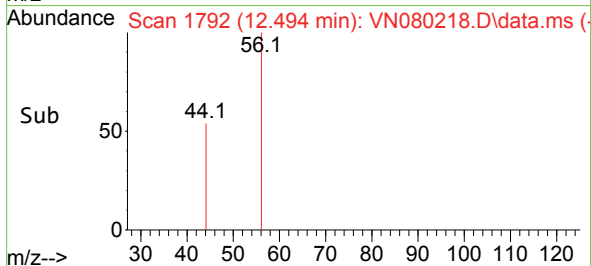
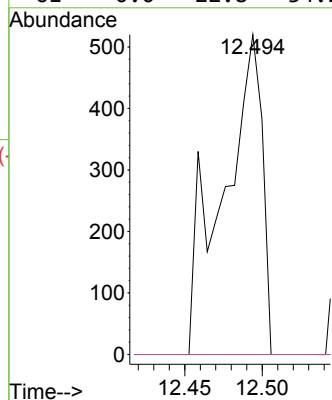
Ion Ratio Lower Upper

43 100

70 0.0 43.4 65.2#

55 0.0 21.4 32.0#

61 0.0 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 26.946 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080218.D

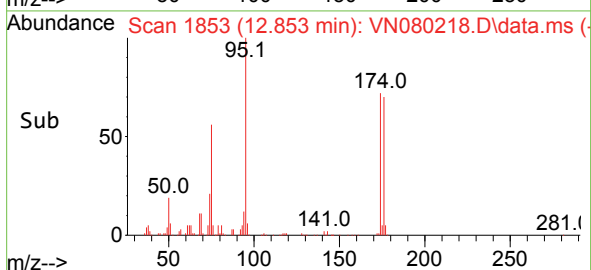
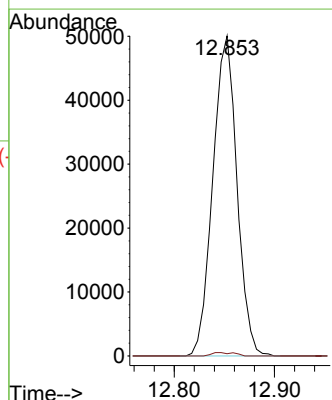
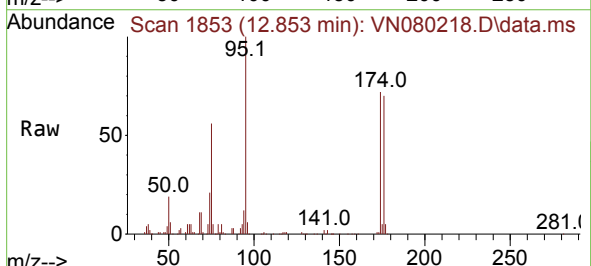
Acq: 20 Nov 2023 19:21

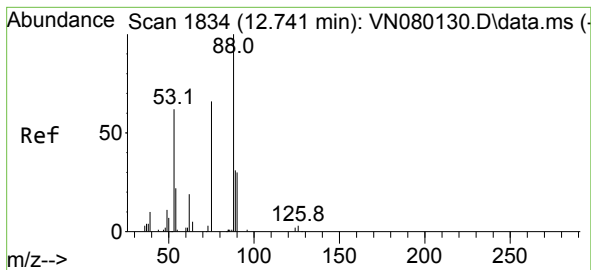
Tgt Ion: 75 Resp: 83675

Ion Ratio Lower Upper

75 100

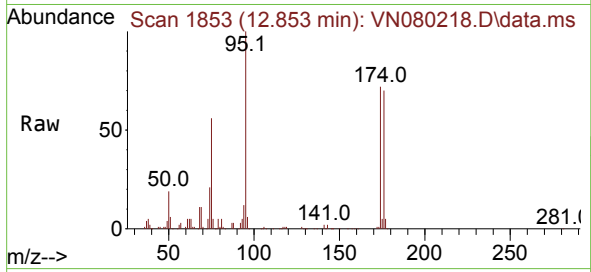
77 1.0 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.038 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN080218.D
 Acq: 20 Nov 2023 19:21

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 83675
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

