

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110424\
 Data File : VN084651.D
 Acq On : 04 Nov 2024 12:40
 Operator : JC\MD
 Sample : PB164619TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 05 00:24:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

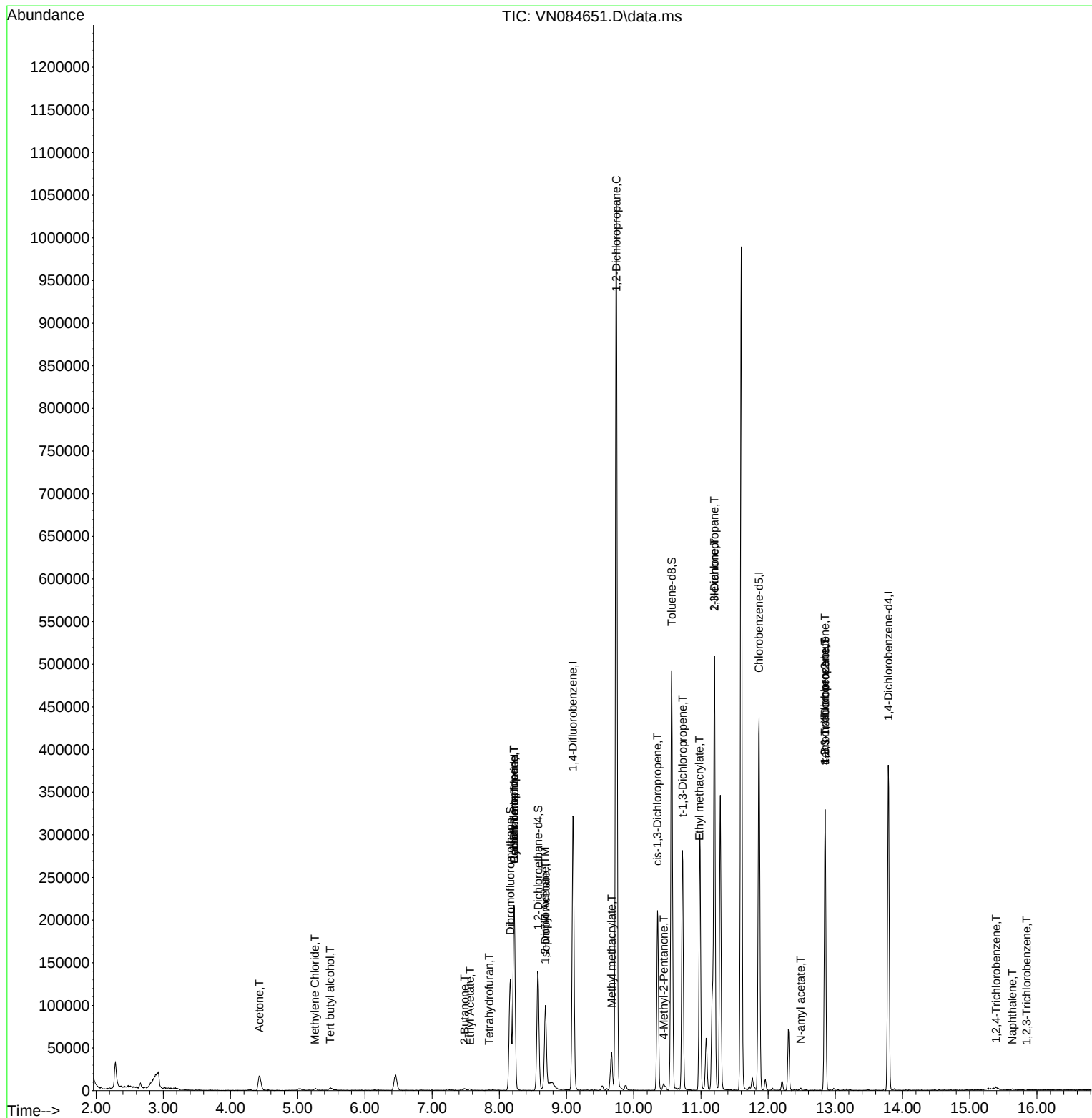
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	161262	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	280340	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	254003	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	102201	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	115655	49.655	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.320%		
35) Dibromofluoromethane	8.165	113	94635	49.872	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.740%		
50) Toluene-d8	10.565	98	342194	48.955	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.900%		
62) 4-Bromofluorobenzene	12.847	95	116951	44.768	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	89.540%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.360	50	1045	Below Cal	#	41
6) Chloroethane	3.077	64	136	Below Cal	#	45
11) Tert butyl alcohol	5.483	59	3582	11.651	ug/l #	73
16) Acetone	4.430	43	33196	47.023	ug/l	99
18) Methyl Acetate	5.036	43	4123	Below Cal	#	80
20) Methylene Chloride	5.253	84	677	0.330	ug/l #	74
25) 2-Butanone	7.483	43	3727	3.430	ug/l	96
29) Tetrahydrofuran	7.847	42	219	0.304	ug/l #	54
31) Cyclohexane	8.224	56	3578	1.113	ug/l #	7
36) 1,1-Dichloropropene	8.218	75	12817	4.870	ug/l #	50
37) Ethyl Acetate	7.565	43	2630	1.101	ug/l #	86
38) Carbon Tetrachloride	8.224	117	17629	5.993	ug/l #	15
42) 1,2-Dichloroethane	8.683	62	673	0.246	ug/l #	75
43) Isopropyl Acetate	8.688	43	114607	25.509	ug/l #	90
45) 1,2-Dichloropropane	9.741	63	1514	0.764	ug/l #	44
48) Methyl methacrylate	9.671	41	2876	1.548	ug/l #	42
51) 4-Methyl-2-Pentanone	10.447	43	9043	3.973	ug/l #	73
53) t-1,3-Dichloropropene	10.730	75	667	0.219	ug/l #	43
54) cis-1,3-Dichloropropene	10.353	75	38509	11.920	ug/l #	62
56) Ethyl methacrylate	10.977	69	1472	0.547	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5162	1.615	ug/l #	42
59) 2-Hexanone	11.200	43	57932	34.966	ug/l #	58
74) N-amyl acetate	12.482	43	1136	0.373	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	58810	28.787	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	58810	68.294	ug/l #	11
88) 1,4-Dichlorobenzene	13.729	146	717	Below Cal		81
93) 1,2,4-Trichlorobenzene	15.394	180	647	0.327	ug/l #	79
95) Naphthalene	15.635	128	1510	0.255	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.847	180	464	0.242	ug/l #	62

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

Instrument :
MSVOA_N
ClientSampleId :

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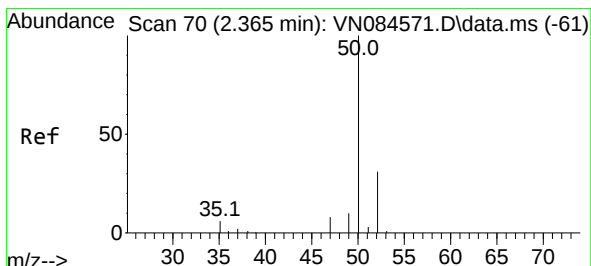
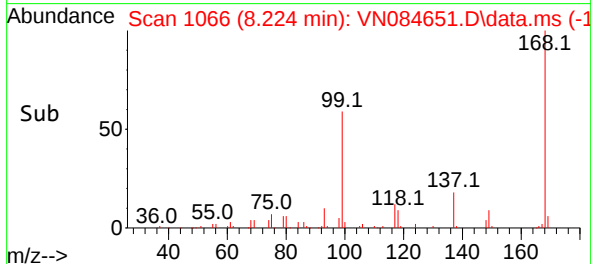
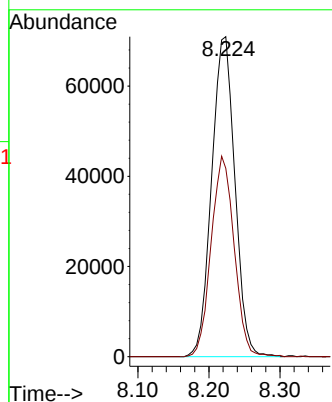
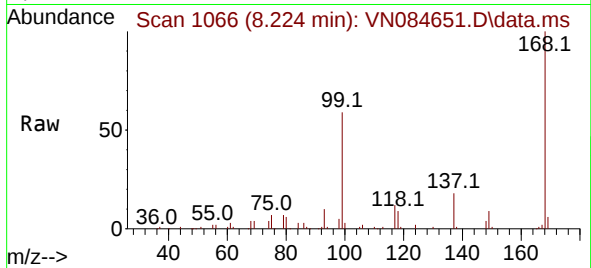




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084651.D
Acq: 04 Nov 2024 12:40

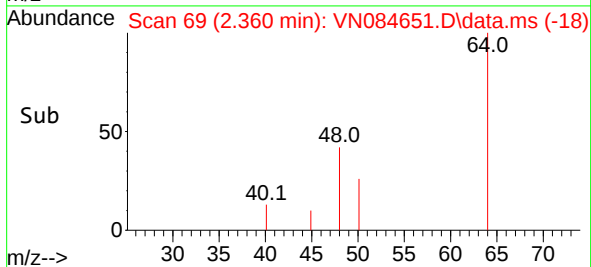
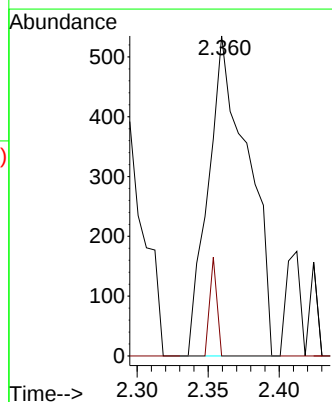
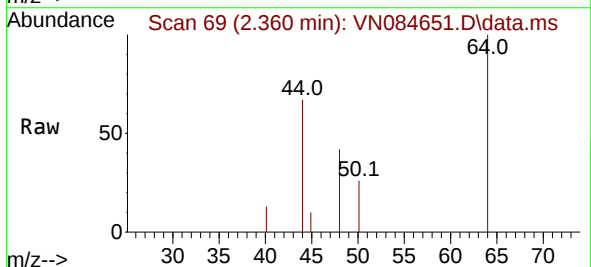
Instrument :
MSVOA_N
ClientSampleId :

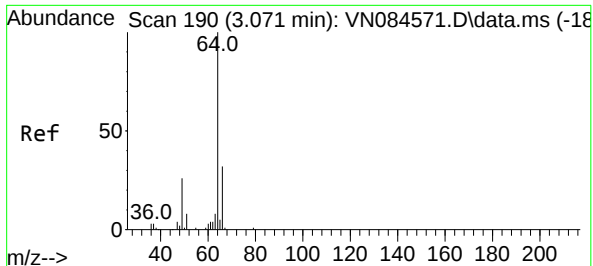
Tgt Ion:168 Resp: 161262
Ion Ratio Lower Upper
168 100
99 58.9 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.360 min Scan# 69
Delta R.T. 0.001 min
Lab File: VN084651.D
Acq: 04 Nov 2024 12:40

Tgt Ion: 50 Resp: 1045
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



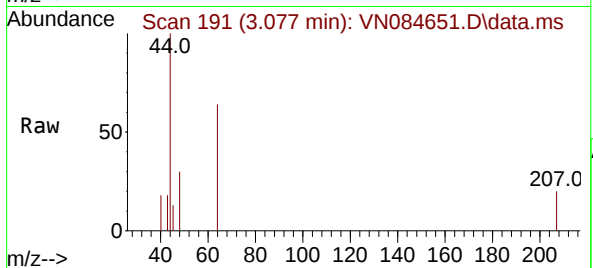


#6
Chloroethane
Concen: Below Cal
RT: 3.077 min Scan# 190
Delta R.T. -0.041 min
Lab File: VN084651.D
Acq: 04 Nov 2024 12:40

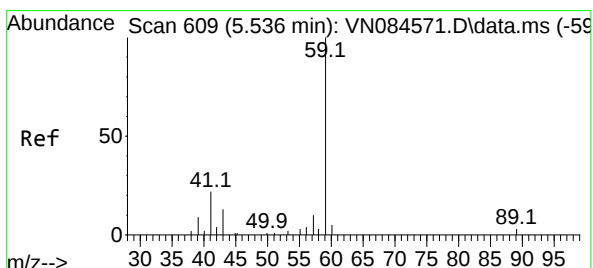
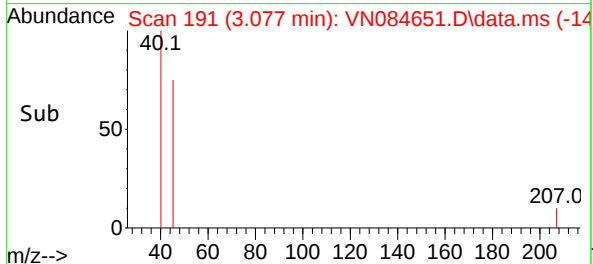
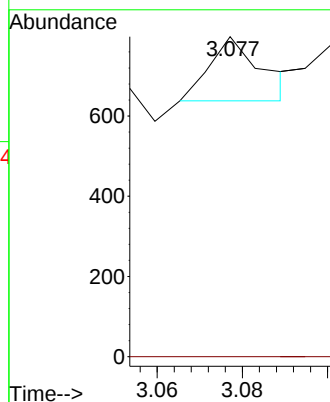
Instrument :

MSVOA_N

ClientSampleId :

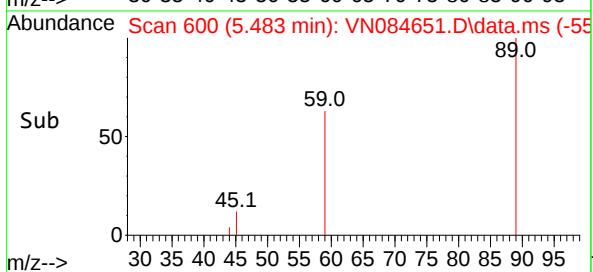
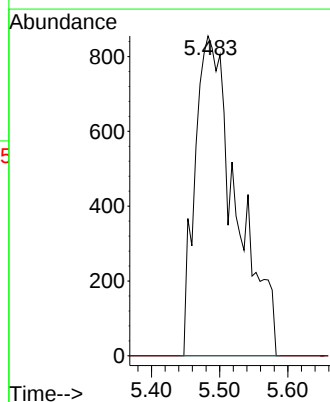
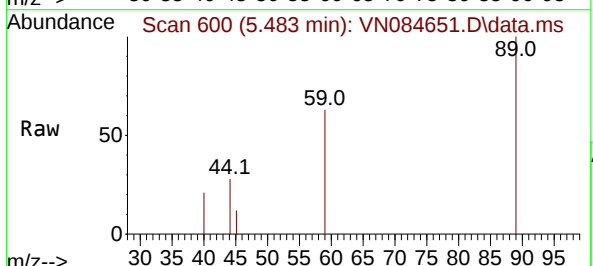


Tgt Ion: 64 Resp: 136
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 11.651 ug/l
RT: 5.483 min Scan# 600
Delta R.T. -0.041 min
Lab File: VN084651.D
Acq: 04 Nov 2024 12:40

Tgt Ion: 59 Resp: 3582
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

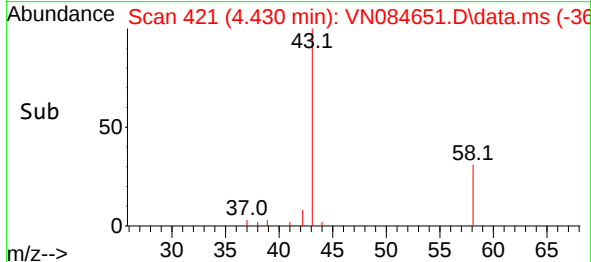
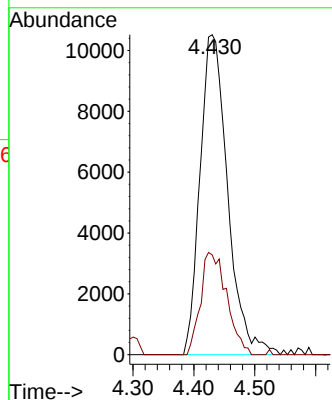
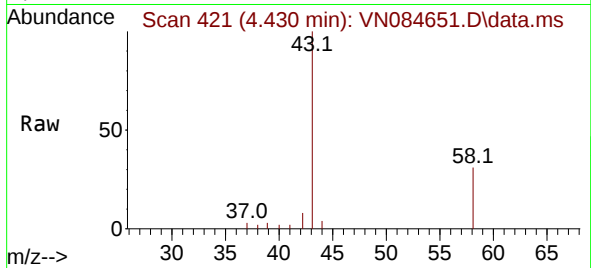




#16
Acetone
Concen: 47.023 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084651.D
Acq: 04 Nov 2024 12:40

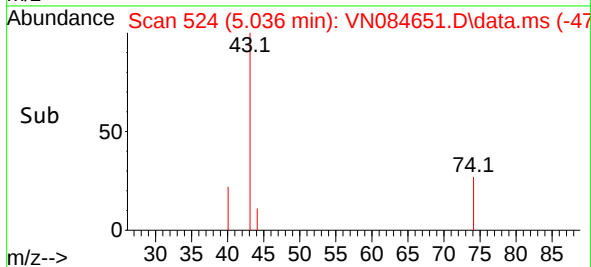
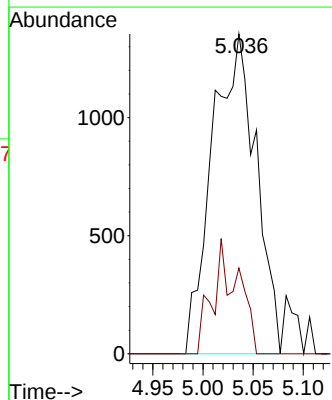
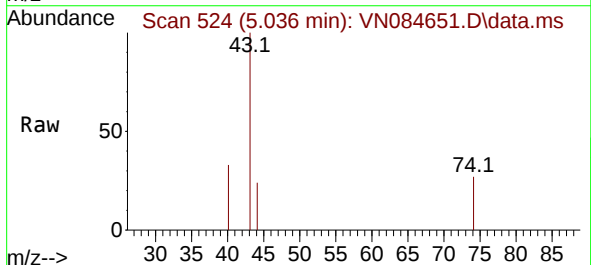
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 33196
Ion Ratio Lower Upper
43 100
58 31.2 24.4 36.6



#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN084651.D
Acq: 04 Nov 2024 12:40

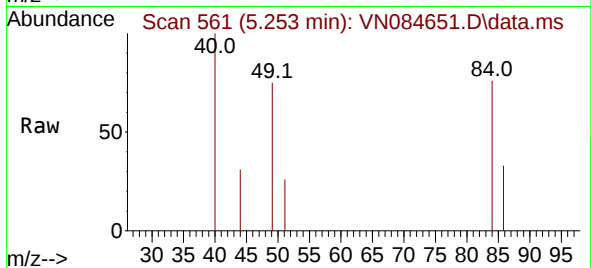
Tgt Ion: 43 Resp: 4123
Ion Ratio Lower Upper
43 100
74 14.0 19.2 28.8#



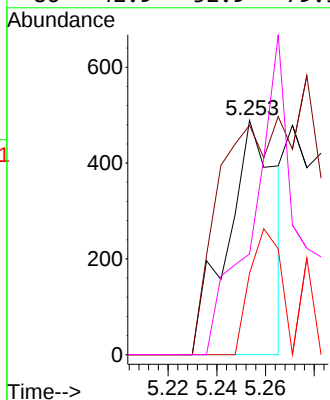
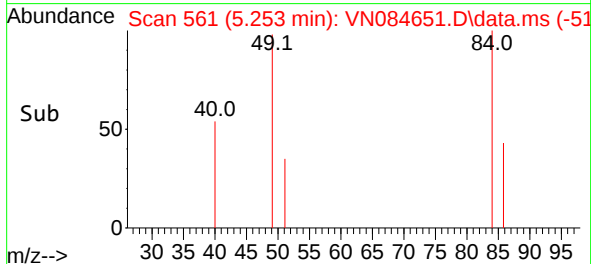


#20
Methylene Chloride
Concen: 0.330 ug/l
RT: 5.253 min Scan# 51
Delta R.T. -0.024 min
Lab File: VN084651.D
Acq: 04 Nov 2024 12:40

Instrument :
MSVOA_N
ClientSampleId :

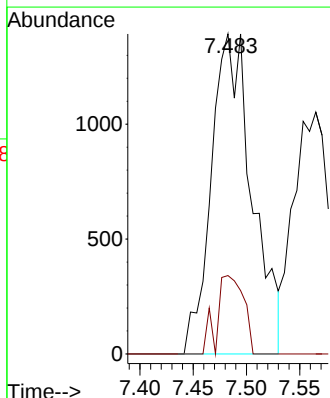
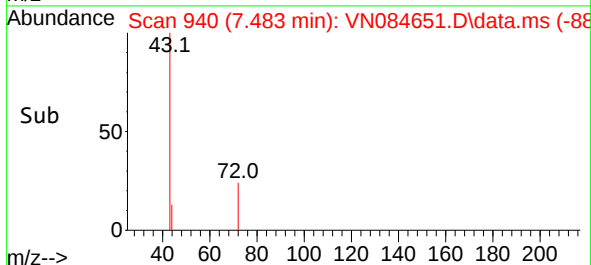
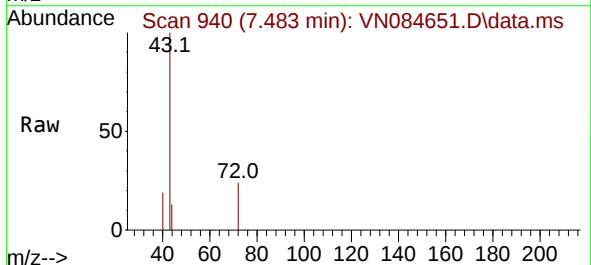


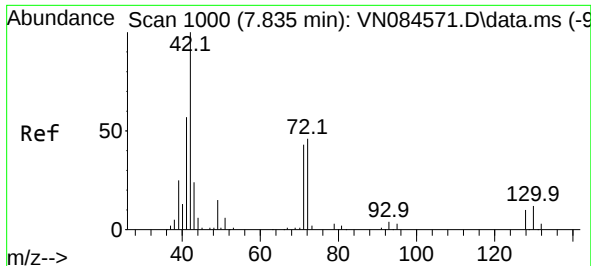
Tgt Ion: 84	Resp: 677
Ion Ratio	Lower Upper
84 100	
49 98.0	107.2 160.8#
51 34.8	31.8 47.8
86 42.9	52.9 79.3#



#25
2-Butanone
Concen: 3.430 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN084651.D
Acq: 04 Nov 2024 12:40

Tgt Ion: 43	Resp: 3727		
Ion Ratio	Lower	Upper	
43 100			
72 24.5	21.4	32.2	





#29

Tetrahydrofuran

Concen: 0.304 ug/l

RT: 7.847 min Scan# 1066

Delta R.T. 0.012 min

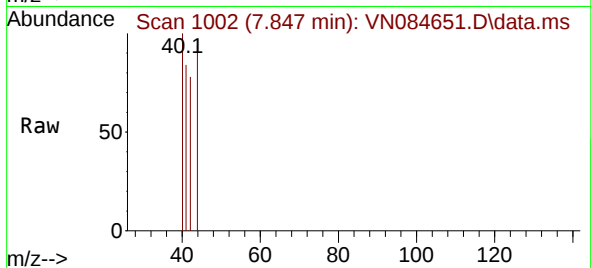
Lab File: VN084651.D

Acq: 04 Nov 2024 12:40

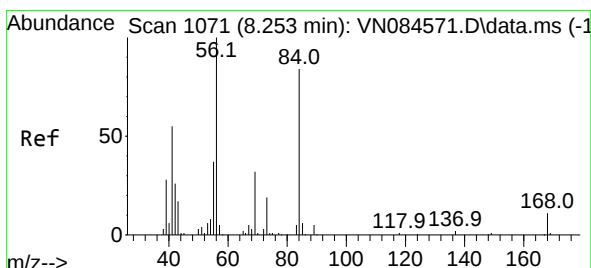
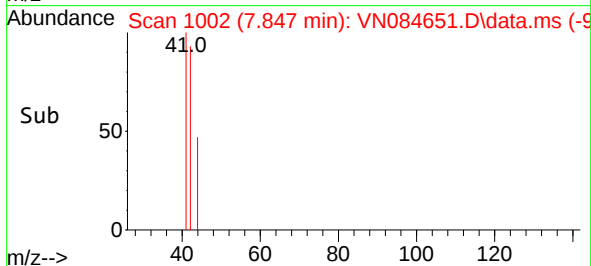
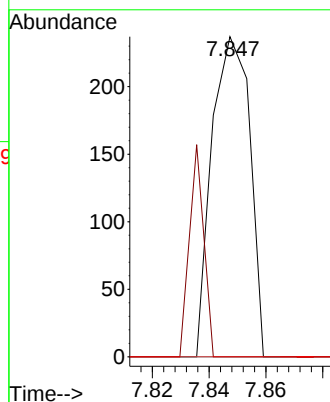
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	219
Ion	Ratio	Lower	Upper
42	100		
72	25.1	34.6	51.8#
71	0.0	32.2	48.4#



#31

Cyclohexane

Concen: 1.113 ug/l

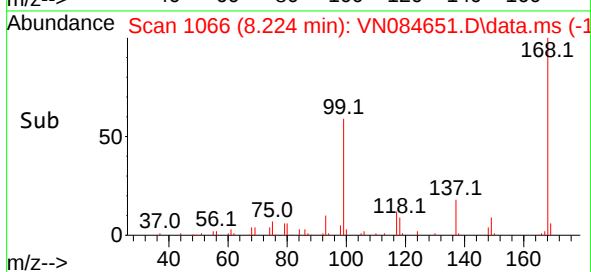
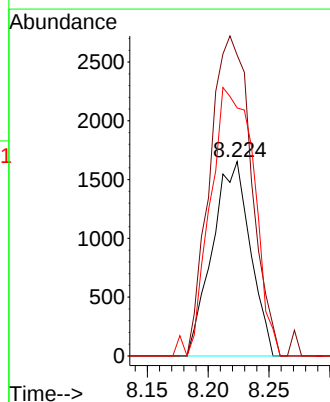
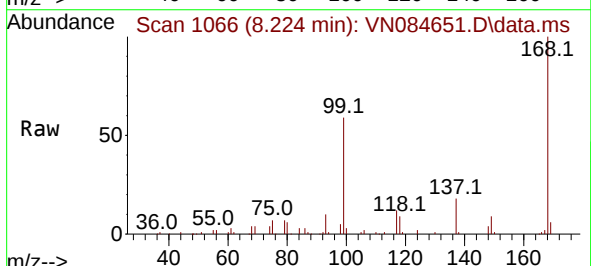
RT: 8.224 min Scan# 1066

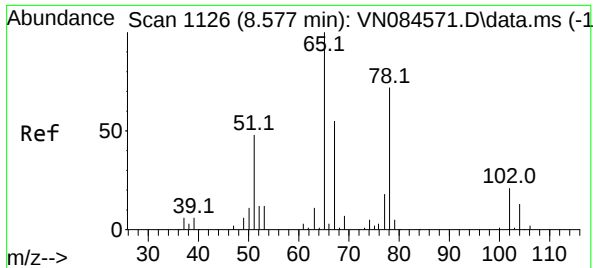
Delta R.T. -0.029 min

Lab File: VN084651.D

Acq: 04 Nov 2024 12:40

Tgt Ion:	56	Resp:	3578
Ion	Ratio	Lower	Upper
56	100		
69	154.8	23.8	35.6#
84	127.6	68.8	103.2#

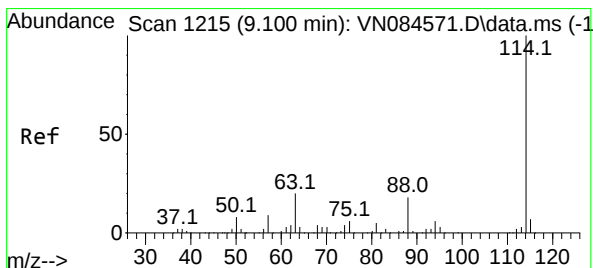
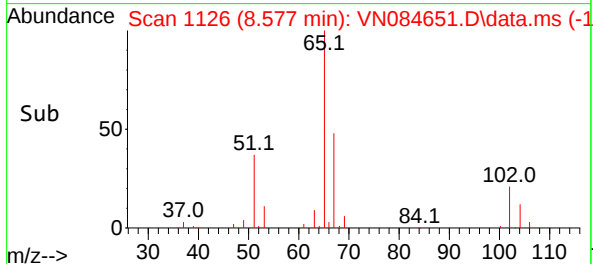
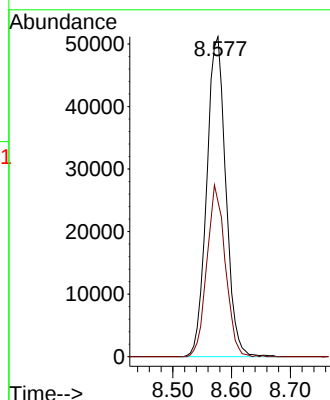
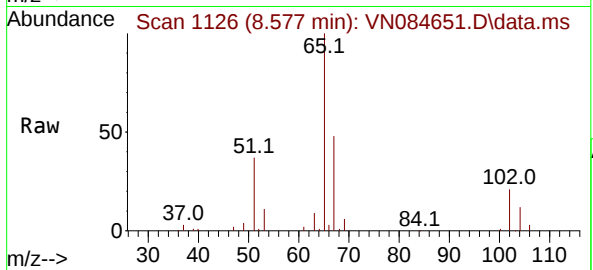




#33
 1,2-Dichloroethane-d4
 Concen: 49.655 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN084651.D
 Acq: 04 Nov 2024 12:40

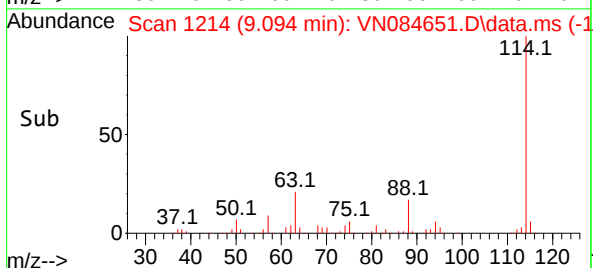
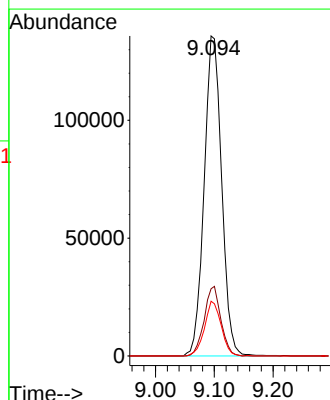
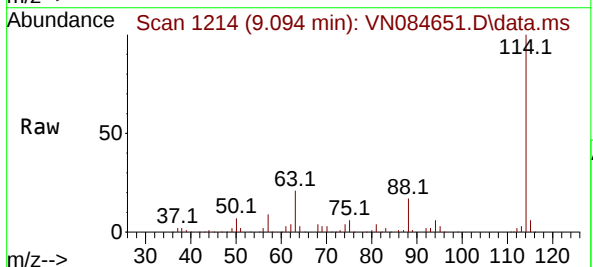
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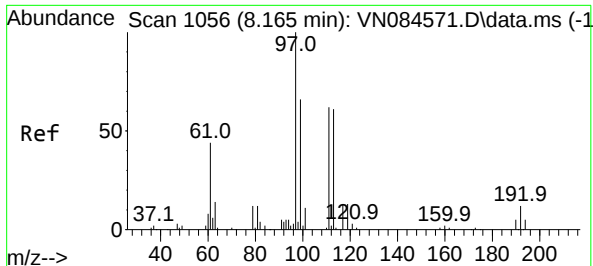
Tgt Ion: 65 Resp: 115655
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.094 min Scan# 1214
 Delta R.T. -0.006 min
 Lab File: VN084651.D
 Acq: 04 Nov 2024 12:40

Tgt Ion: 114 Resp: 280340
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 43.8
 88 17.1 0.0 31.6





#35

Dibromofluoromethane

Concen: 49.872 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

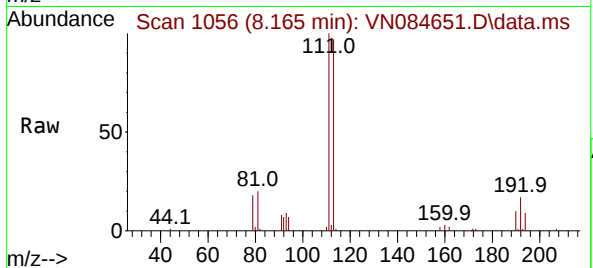
Lab File: VN084651.D

Acq: 04 Nov 2024 12:40

Instrument :

MSVOA_N

ClientSampleId :



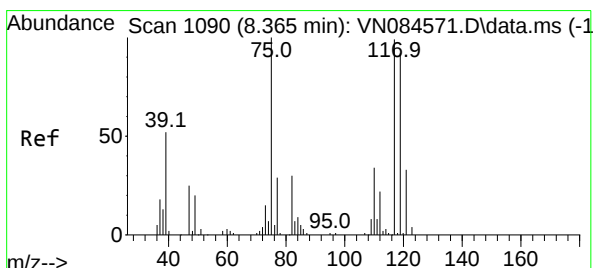
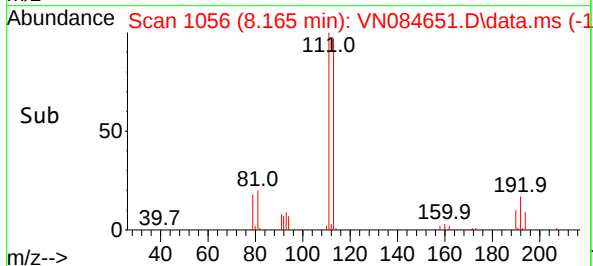
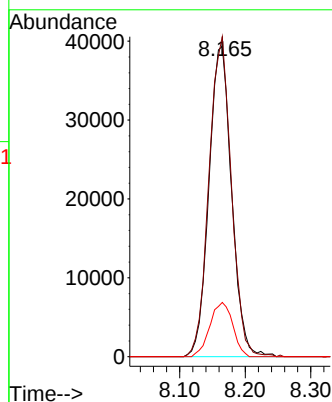
Tgt Ion:113 Resp: 94635

Ion Ratio Lower Upper

113 100

111 101.5 83.3 124.9

192 17.6 13.5 20.3



#36

1,1-Dichloropropene

Concen: 4.870 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN084651.D

Acq: 04 Nov 2024 12:40

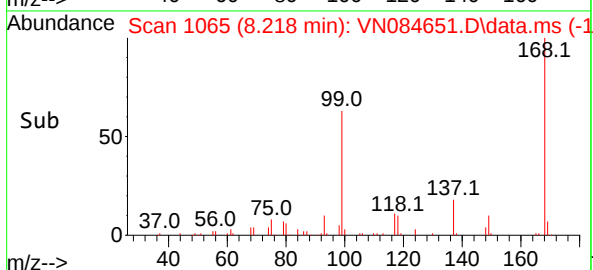
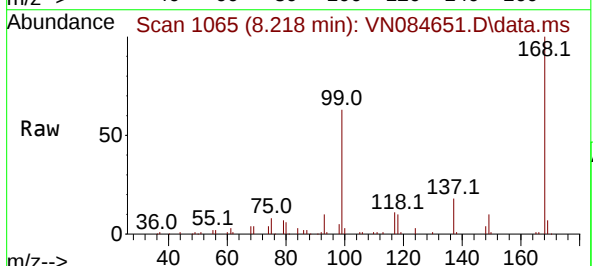
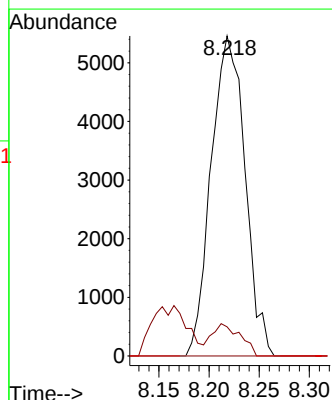
Tgt Ion: 75 Resp: 12817

Ion Ratio Lower Upper

75 100

110 8.4 16.9 50.7#

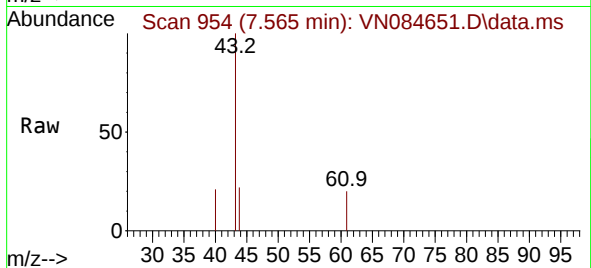
77 0.0 24.7 37.1#



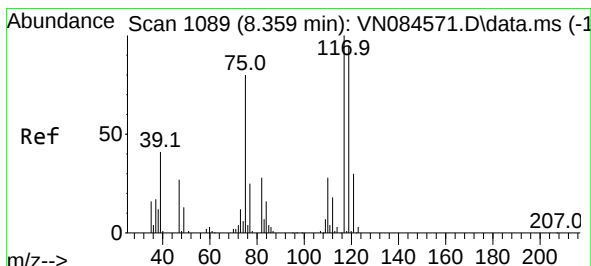
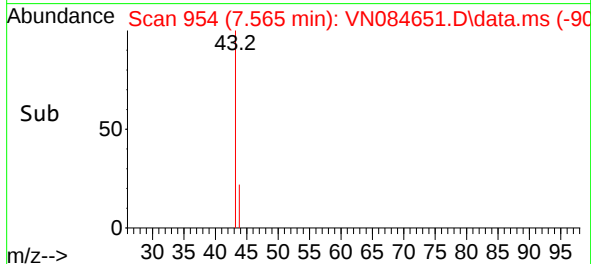
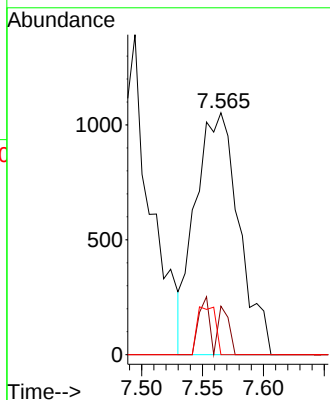


#37
Ethyl Acetate
Concen: 1.101 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN084651.D
Acq: 04 Nov 2024 12:40

Instrument :
MSVOA_N
ClientSampleId :

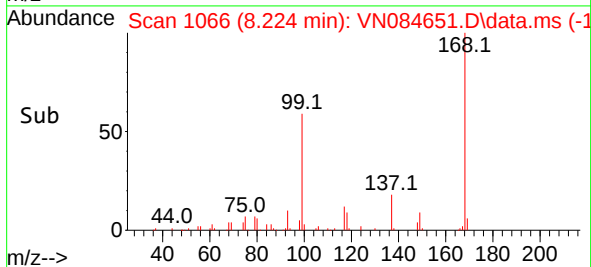
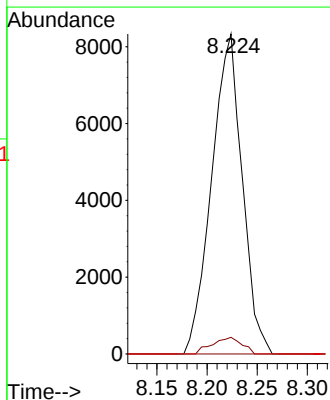
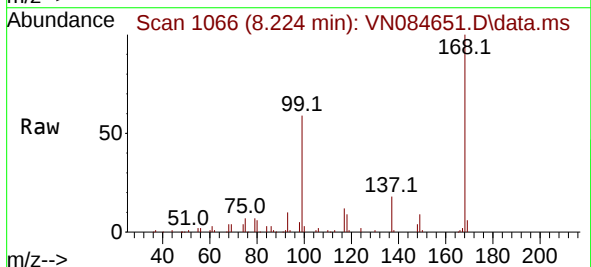


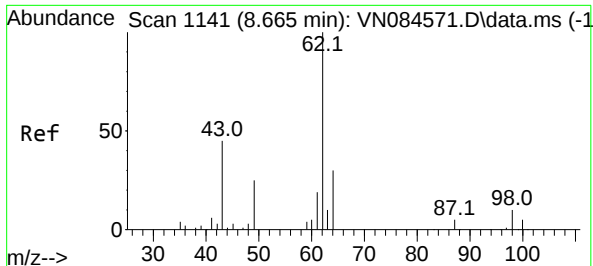
Tgt Ion: 43 Resp: 2630
Ion Ratio Lower Upper
43 100
61 5.9 10.7 16.1#
70 8.2 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 5.993 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN084651.D
Acq: 04 Nov 2024 12:40

Tgt Ion: 117 Resp: 17629
Ion Ratio Lower Upper
117 100
119 5.2 78.7 118.1#
121 0.0 24.4 36.6#





#42

1,2-Dichloroethane

Concen: 0.246 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN084651.D

Acq: 04 Nov 2024 12:40

Instrument :

MSVOA_N

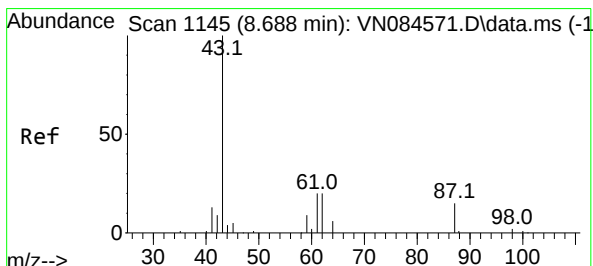
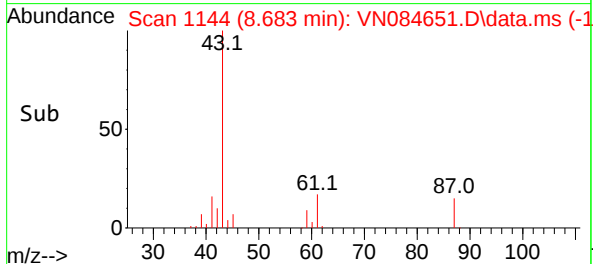
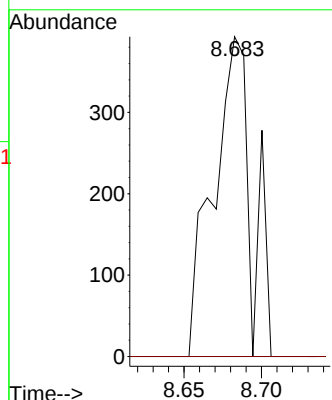
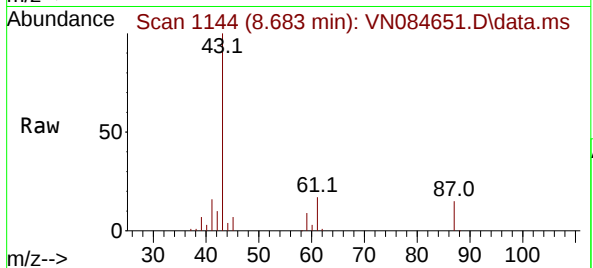
ClientSampleId :

Tgt Ion: 62 Resp: 673

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 25.509 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN084651.D

Acq: 04 Nov 2024 12:40

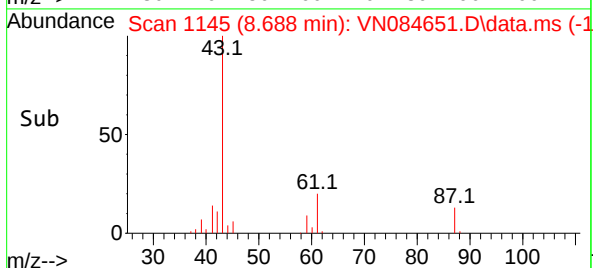
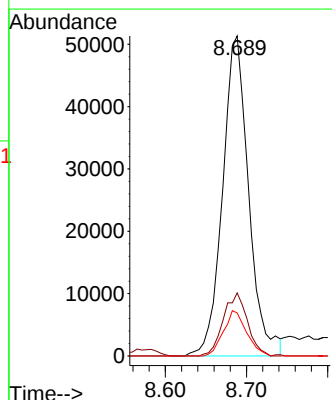
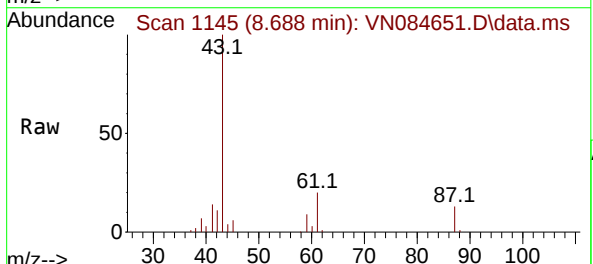
Tgt Ion: 43 Resp: 114607

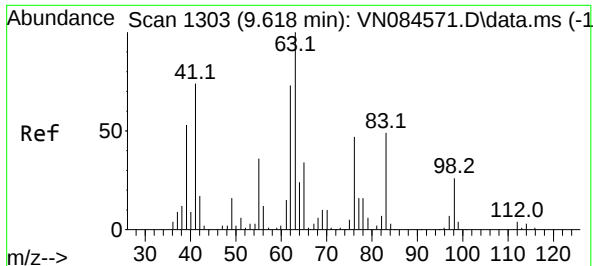
Ion Ratio Lower Upper

43 100

61 18.4 20.4 30.6

87 12.5 10.3 15.5





#45

1,2-Dichloropropane

Concen: 0.764 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN084651.D

Acq: 04 Nov 2024 12:40

Instrument :

MSVOA_N

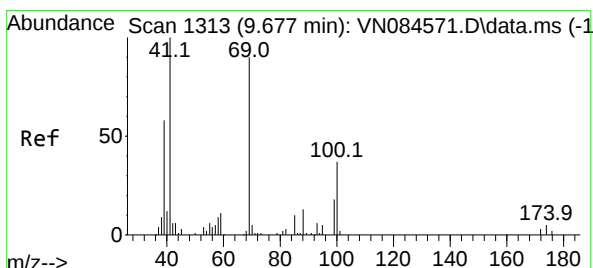
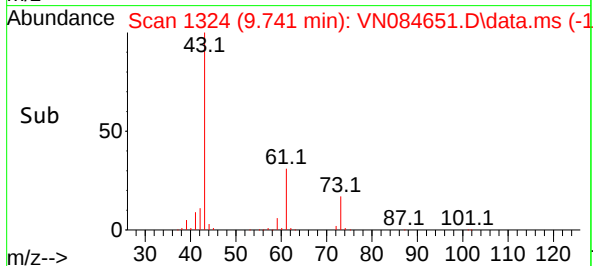
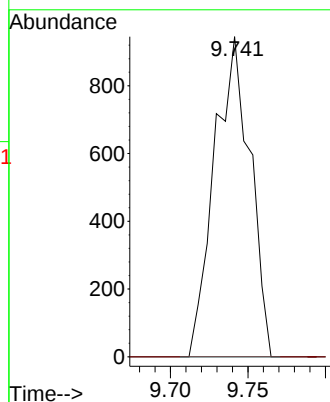
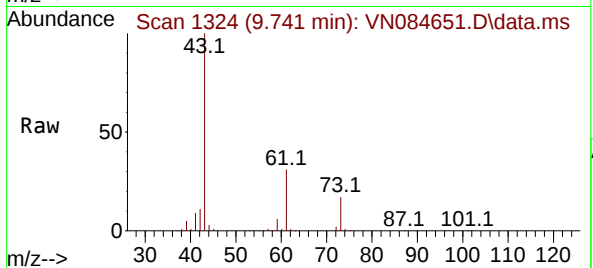
ClientSampleId :

Tgt Ion: 63 Resp: 1514

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#



#48

Methyl methacrylate

Concen: 1.548 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.006 min

Lab File: VN084651.D

Acq: 04 Nov 2024 12:40

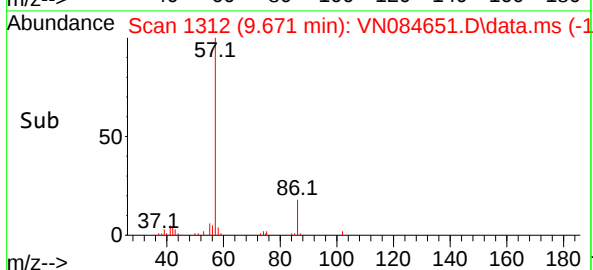
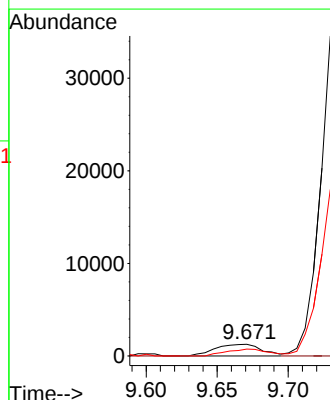
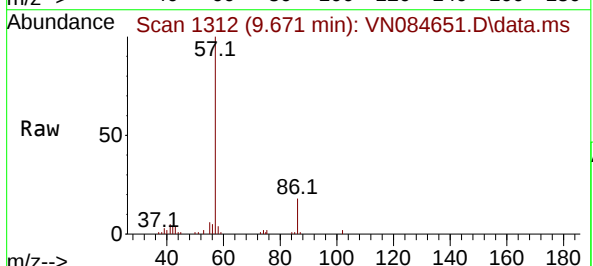
Tgt Ion: 41 Resp: 2876

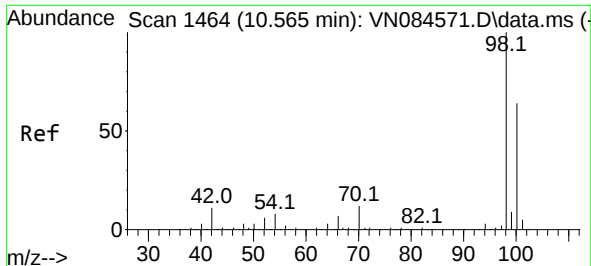
Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 52.1 45.8 68.6

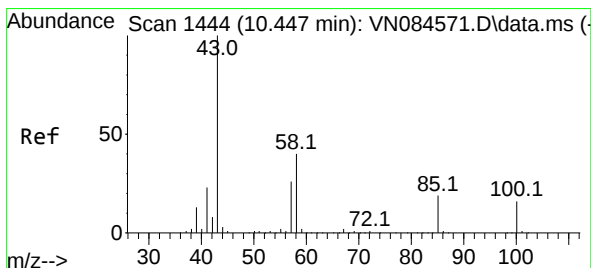
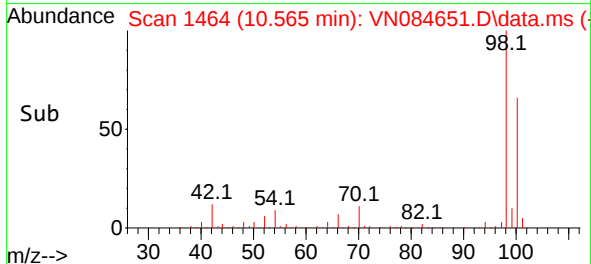
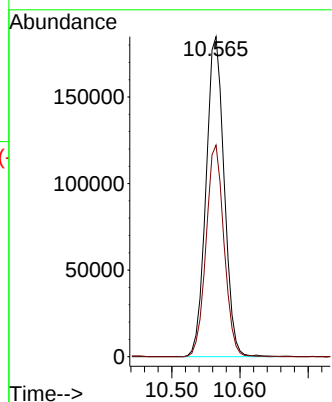
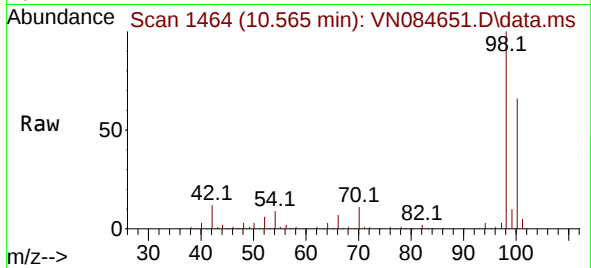




#50
Toluene-d8
Concen: 48.955 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084651.D
Acq: 04 Nov 2024 12:40

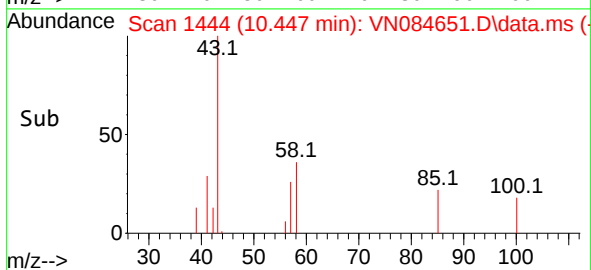
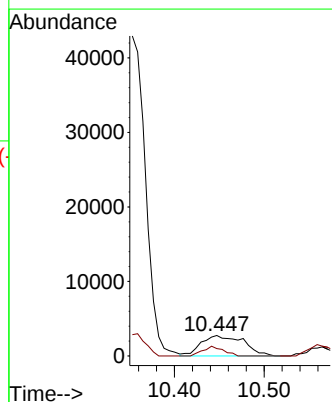
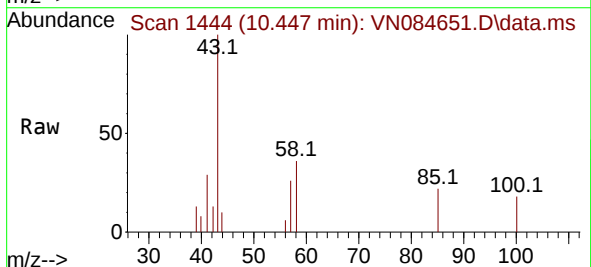
Instrument :
MSVOA_N
ClientSampleId :

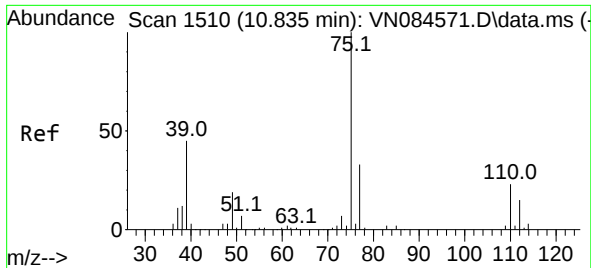
Tgt Ion: 98 Resp: 342194
Ion Ratio Lower Upper
98 100
100 65.4 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 3.973 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084651.D
Acq: 04 Nov 2024 12:40

Tgt Ion: 43 Resp: 9043
Ion Ratio Lower Upper
43 100
58 22.8 31.6 47.4#

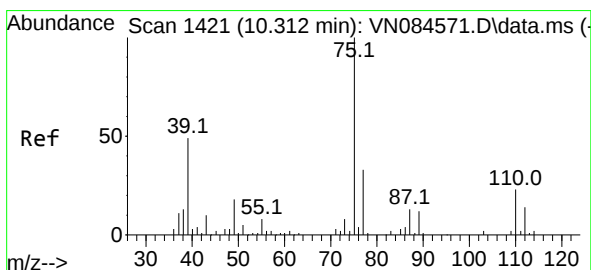
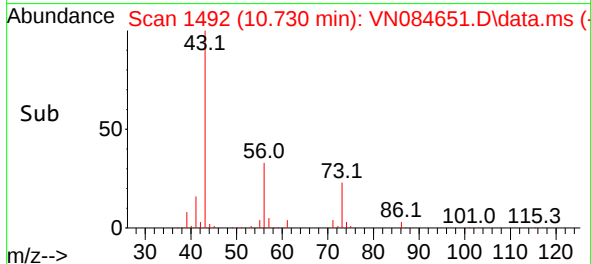
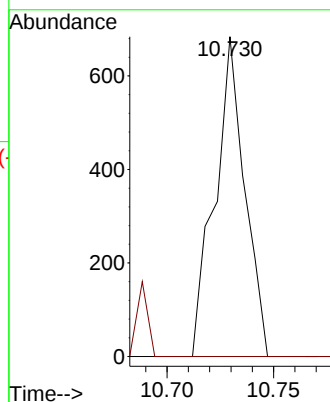
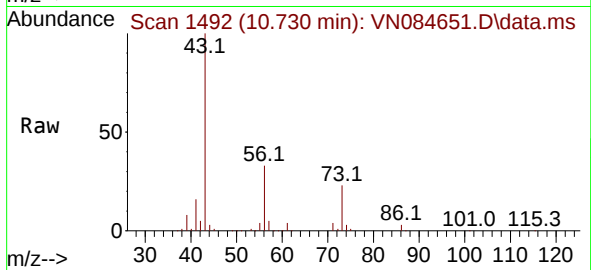




#53
 t-1,3-Dichloropropene
 Concen: 0.219 ug/l
 RT: 10.730 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN084651.D
 Acq: 04 Nov 2024 12:40

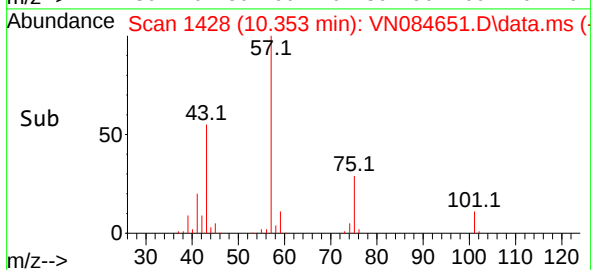
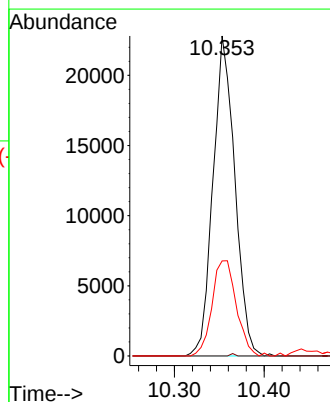
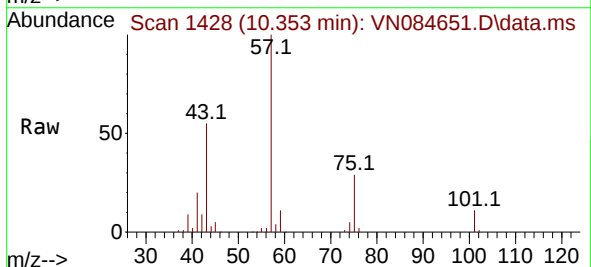
Instrument :
 MSVOA_N
 ClientSampleId :

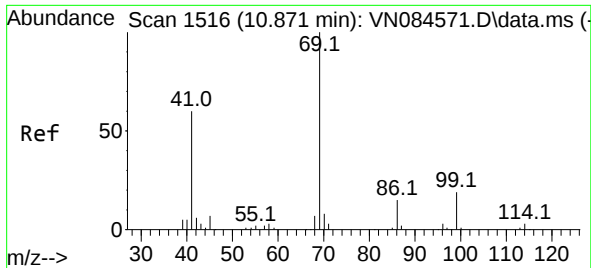
Tgt Ion: 75 Resp: 667
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 11.920 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.041 min
 Lab File: VN084651.D
 Acq: 04 Nov 2024 12:40

Tgt Ion: 75 Resp: 38509
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.2 36.2#
 39 29.7 38.7 58.1#

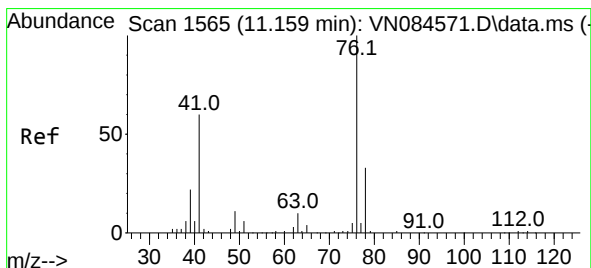
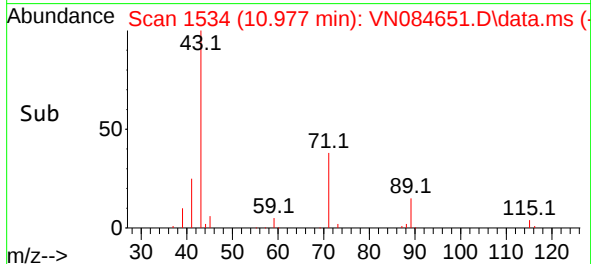
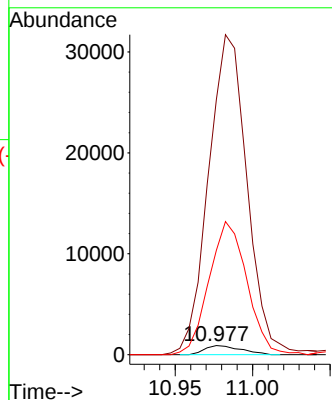
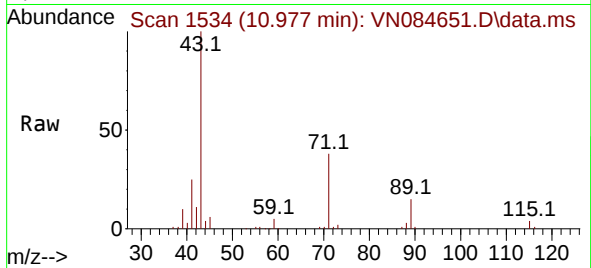




#56
Ethyl methacrylate
Concen: 0.547 ug/l
RT: 10.977 min Scan# 1534
Delta R.T. 0.106 min
Lab File: VN084651.D
Acq: 04 Nov 2024 12:40

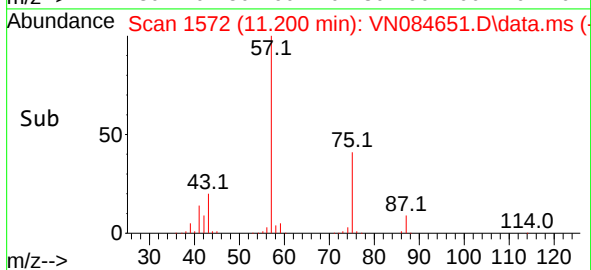
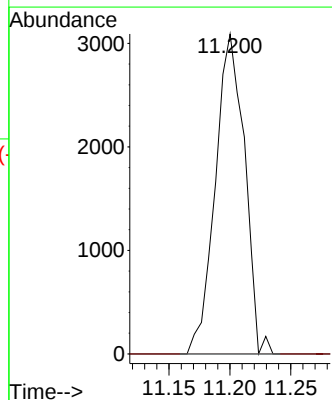
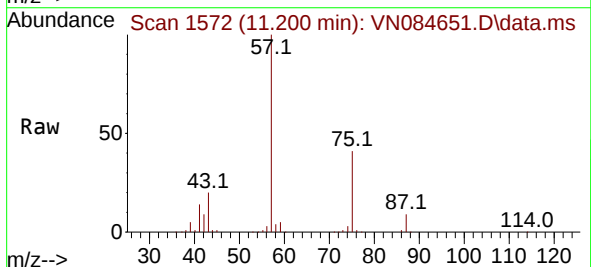
Instrument :
MSVOA_N
ClientSampleId :

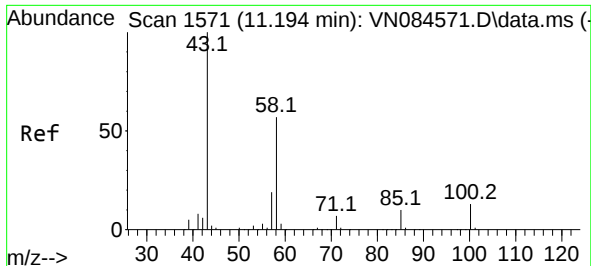
Tgt Ion: 69 Resp: 1472
Ion Ratio Lower Upper
69 100
41 3738.7 53.3 79.9#
39 1523.6 28.8 43.2#



#57
1,3-Dichloropropane
Concen: 1.615 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN084651.D
Acq: 04 Nov 2024 12:40

Tgt Ion: 76 Resp: 5162
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

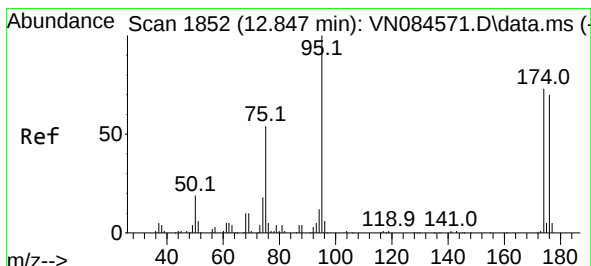
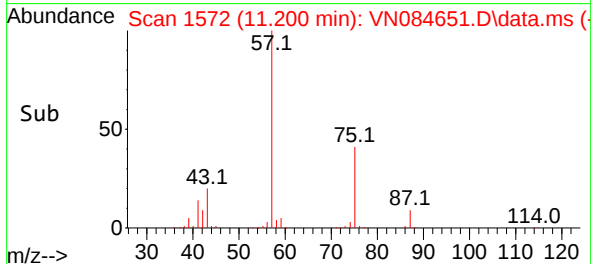
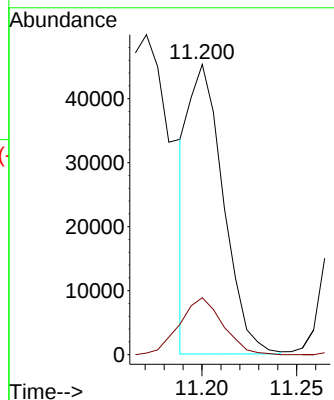
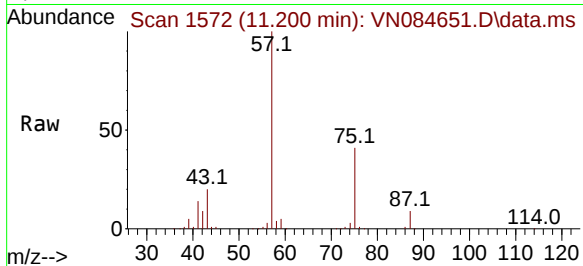




#59
2-Hexanone
Concen: 34.966 ug/l
RT: 11.200 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VN084651.D
Acq: 04 Nov 2024 12:40

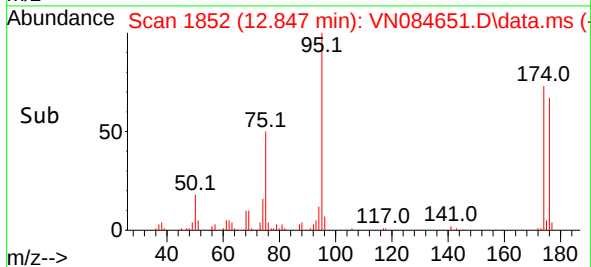
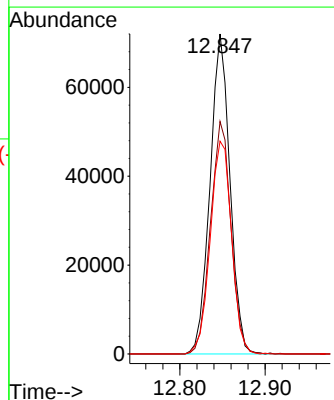
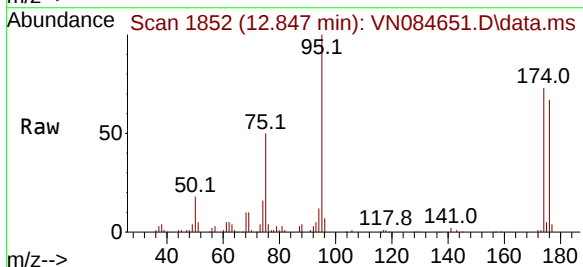
Instrument :
MSVOA_N
ClientSampleId :

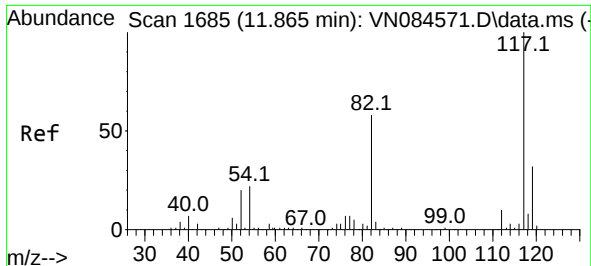
Tgt Ion: 43 Resp: 57932
Ion Ratio Lower Upper
43 100
58 24.4 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 44.768 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084651.D
Acq: 04 Nov 2024 12:40

Tgt Ion: 95 Resp: 116951
Ion Ratio Lower Upper
95 100
174 74.8 0.0 145.2
176 71.1 0.0 140.0

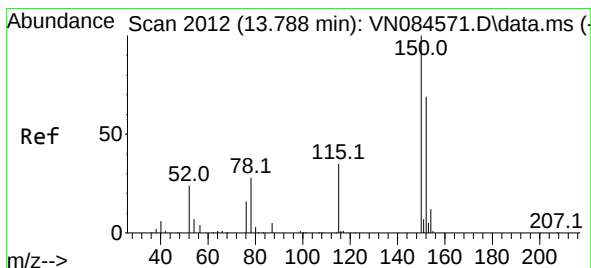
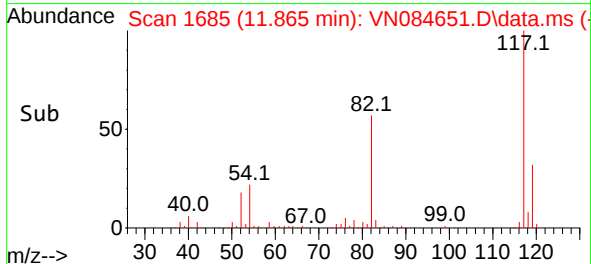
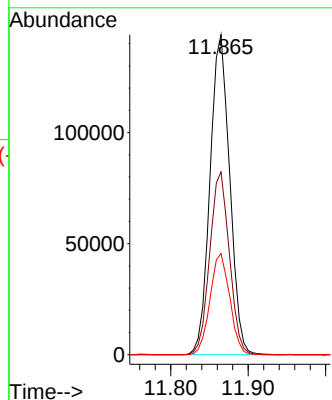
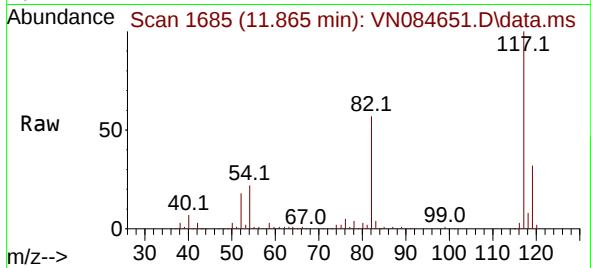




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084651.D
Acq: 04 Nov 2024 12:40

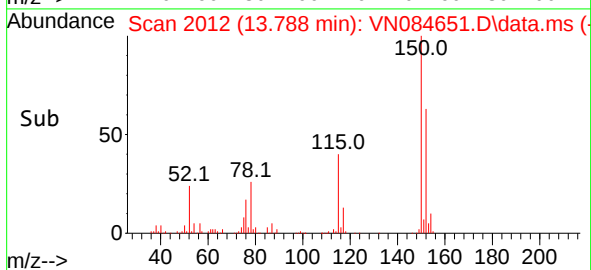
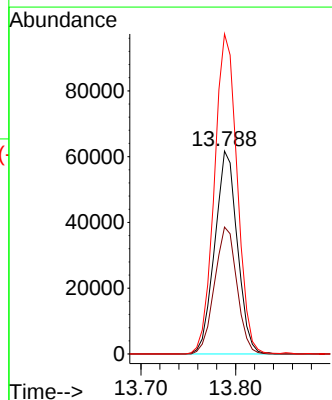
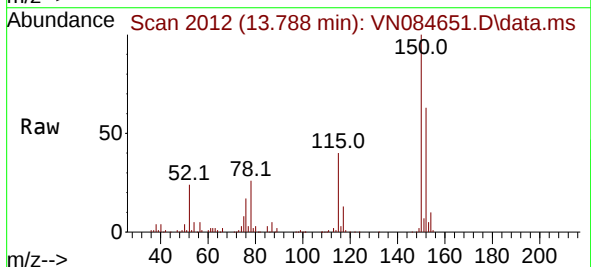
Instrument :
MSVOA_N
ClientSampleId :

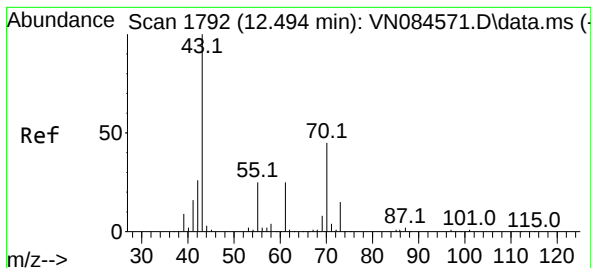
Tgt Ion:117 Resp: 254003
Ion Ratio Lower Upper
117 100
82 57.1 47.2 70.8
119 31.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084651.D
Acq: 04 Nov 2024 12:40

Tgt Ion:152 Resp: 102201
Ion Ratio Lower Upper
152 100
115 62.1 31.3 93.9
150 159.2 0.0 349.8





#74

N-amy1 acetate

Concen: 0.373 ug/l

RT: 12.482 min Scan# 1136

Delta R.T. -0.012 min

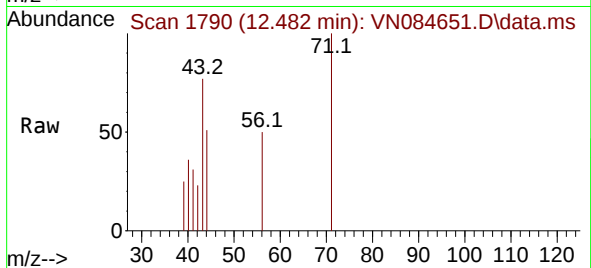
Lab File: VN084651.D

Acq: 04 Nov 2024 12:40

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 1136

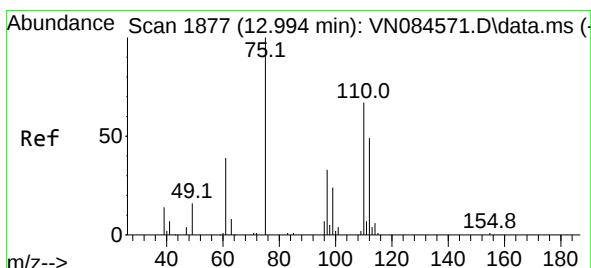
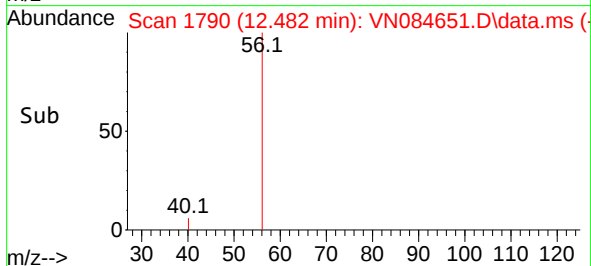
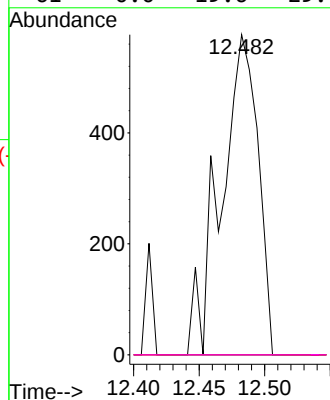
Ion Ratio Lower Upper

43 100

70 0.0 34.4 51.6#

55 0.0 19.6 29.4#

61 0.0 19.6 29.4#



#76

1,2,3-Trichloropropane

Concen: 28.787 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084651.D

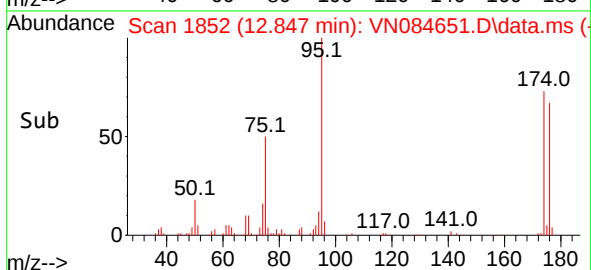
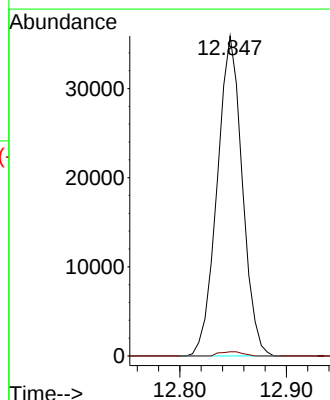
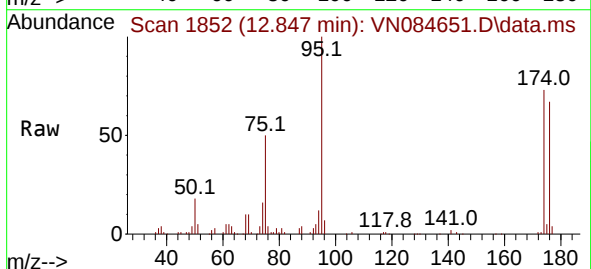
Acq: 04 Nov 2024 12:40

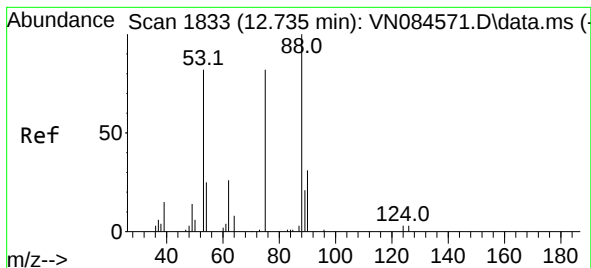
Tgt Ion: 75 Resp: 58810

Ion Ratio Lower Upper

75 100

77 1.3 96.9 290.7#

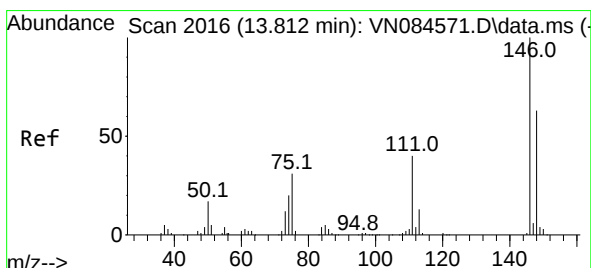
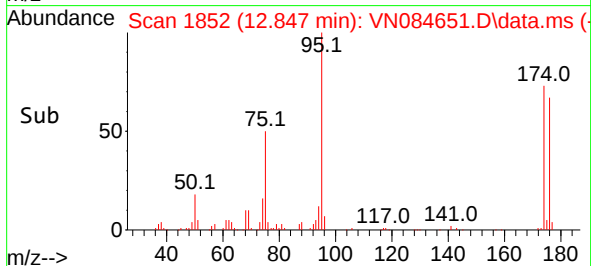
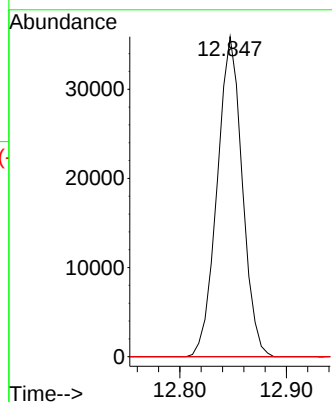
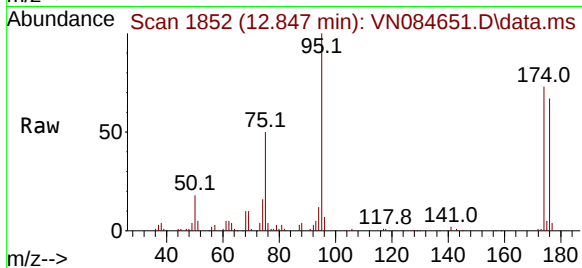




#81
trans-1,4-Dichloro-2-butene
Concen: 68.294 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN084651.D
Acq: 04 Nov 2024 12:40

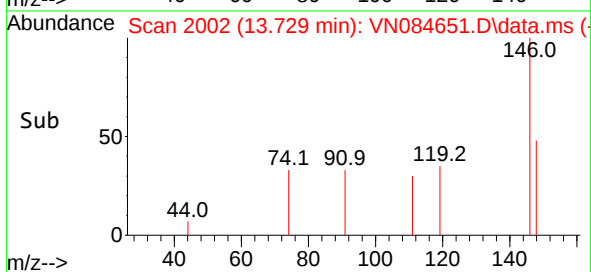
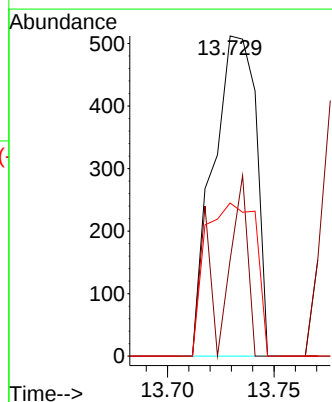
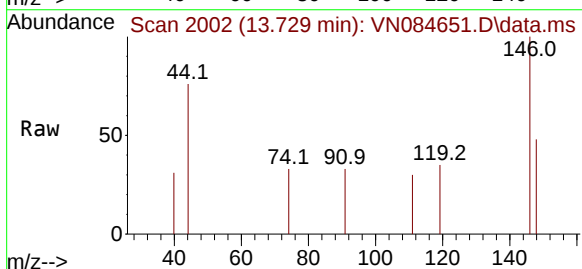
Instrument :
MSVOA_N
ClientSampleId :

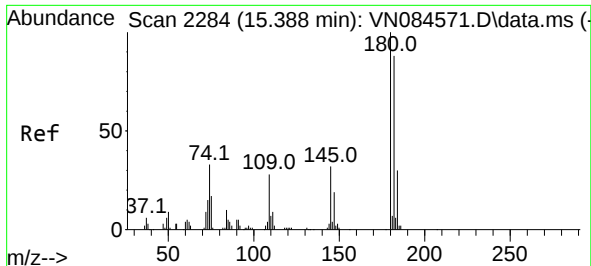
Tgt Ion: 75 Resp: 58810
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.729 min Scan# 2002
Delta R.T. -0.083 min
Lab File: VN084651.D
Acq: 04 Nov 2024 12:40

Tgt Ion:146 Resp: 717
Ion Ratio Lower Upper
146 100
111 21.8 21.2 63.6
148 55.9 31.9 95.9





#93

1,2,4-Trichlorobenzene

Concen: 0.327 ug/l

RT: 15.394 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN084651.D

Acq: 04 Nov 2024 12:40

Instrument :

MSVOA_N

ClientSampleId :

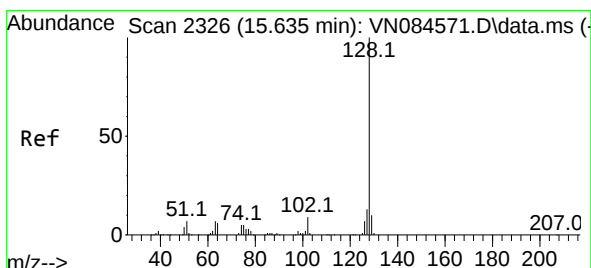
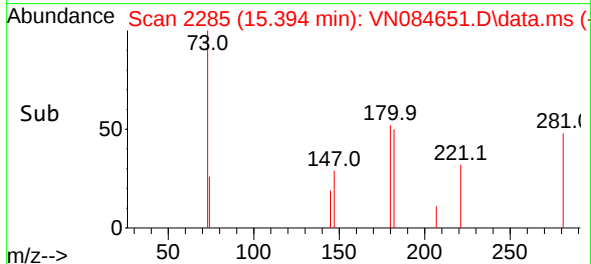
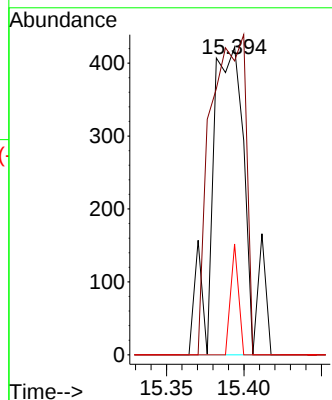
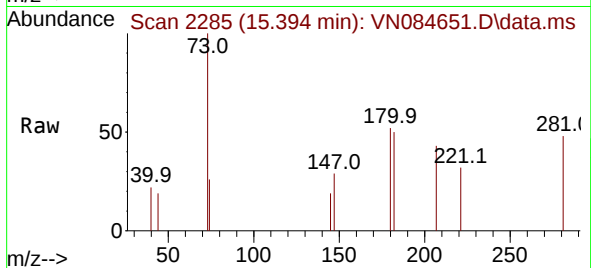
Tgt Ion:180 Resp: 647

Ion Ratio Lower Upper

180 100

182 106.3 47.0 141.0

145 8.3 16.4 49.4#



#95

Naphthalene

Concen: 0.255 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. 0.000 min

Lab File: VN084651.D

Acq: 04 Nov 2024 12:40

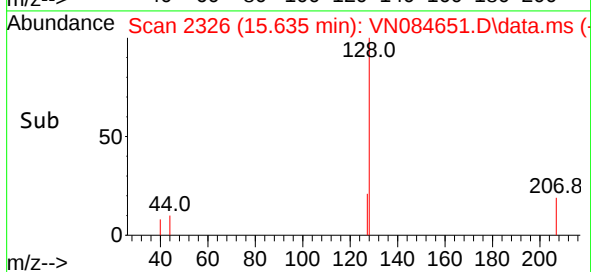
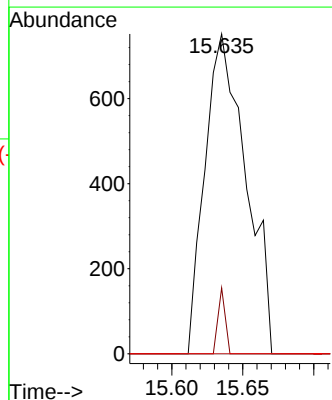
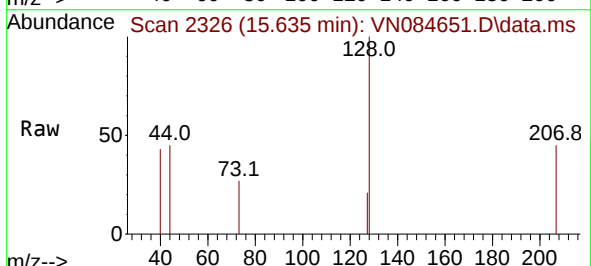
Tgt Ion:128 Resp: 1510

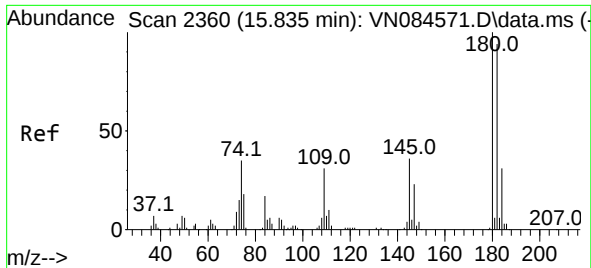
Ion Ratio Lower Upper

128 100

127 3.6 10.5 15.7#

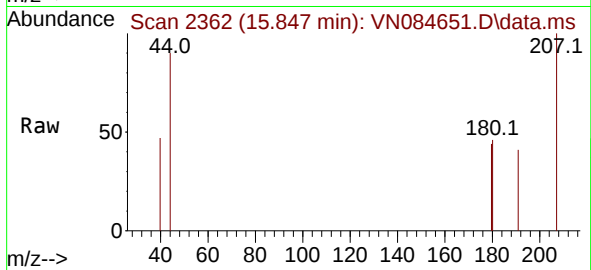
129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.242 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN084651.D
 Acq: 04 Nov 2024 12:40

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 464
 Ion Ratio Lower Upper
 180 100
 182 67.0 48.2 144.6
 145 0.0 17.3 51.9#

