

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091824\
 Data File : VN083984.D
 Acq On : 18 Sep 2024 15:51
 Operator : JC\MD
 Sample : PB163447ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 19 01:35:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

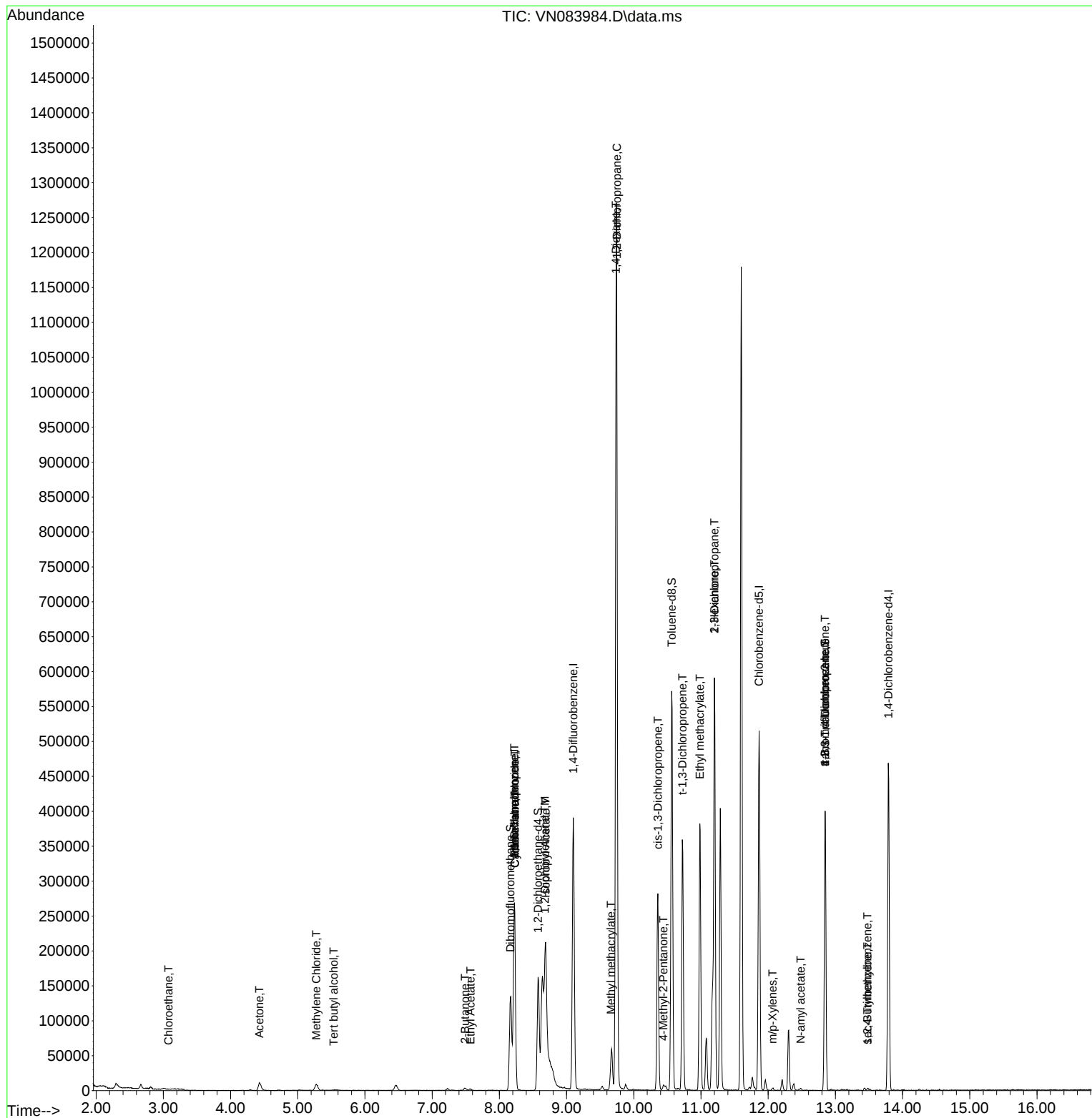
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	180412	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	314389	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	270175	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	115891	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	137449	50.526	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	101.060%	
35) Dibromofluoromethane	8.165	113	98173	48.777	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	97.560%	
50) Toluene-d8	10.565	98	377987	54.325	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	108.640%	
62) 4-Bromofluorobenzene	12.847	95	135812	47.310	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	94.620%	
Target Compounds						Qvalue
3) Chloromethane	2.365	50	243	Below Cal	#	41
6) Chloroethane	3.077	64	538	0.334	ug/l #	45
11) Tert butyl alcohol	5.536	59	614	1.686	ug/l #	71
16) Acetone	4.430	43	21712	19.910	ug/l	95
18) Methyl Acetate	5.036	43	1143	Below Cal	#	61
20) Methylene Chloride	5.277	84	6615	2.964	ug/l #	77
25) 2-Butanone	7.488	43	6064	4.231	ug/l	93
31) Cyclohexane	8.230	56	5291	1.346	ug/l #	29
36) 1,1-Dichloropropene	8.224	75	17371	5.734	ug/l #	50
37) Ethyl Acetate	7.571	43	3817	1.388	ug/l #	77
38) Carbon Tetrachloride	8.230	117	20685	6.019	ug/l #	15
42) 1,2-Dichloroethane	8.677	62	1324	0.389	ug/l #	77
43) Isopropyl Acetate	8.688	43	327375	65.699	ug/l #	74
45) 1,2-Dichloropropane	9.747	63	1269	0.576	ug/l #	42
48) Methyl methacrylate	9.659	41	4054	1.715	ug/l #	48
49) 1,4-Dioxane	9.735	88	75	1.928	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	4791	1.766	ug/l	91
53) t-1,3-Dichloropropene	10.724	75	877	0.259	ug/l #	42
54) cis-1,3-Dichloropropene	10.359	75	48707	13.694	ug/l #	64
56) Ethyl methacrylate	10.982	69	1019	0.318	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5979	1.671	ug/l #	42
59) 2-Hexanone	11.200	43	80406	40.073	ug/l #	54
68) m/p-Xylenes	12.065	106	1260	0.318	ug/l	96
74) N-amyl acetate	12.482	43	1194	0.312	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	76722	32.809	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	76722	85.929	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.476	105	2211	0.291	ug/l	86
85) sec-Butylbenzene	13.476	105	2211	0.252	ug/l #	57

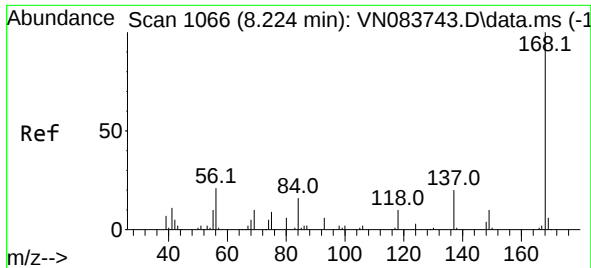
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN083984.D
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Instrument :
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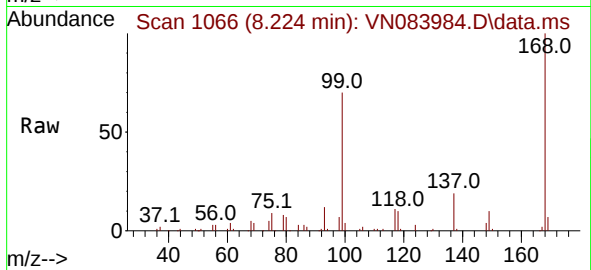
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration



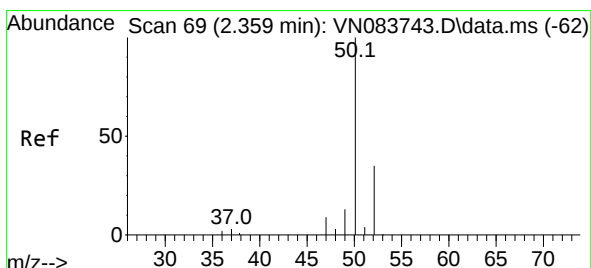
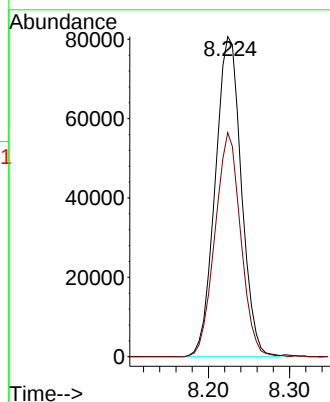
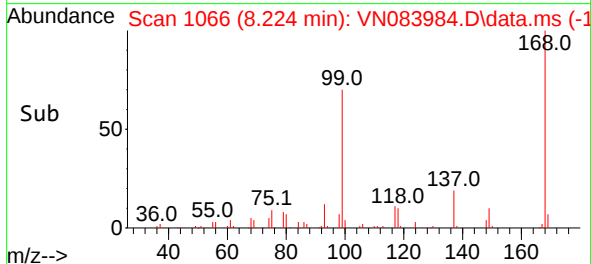


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN083984.D
Acq: 18 Sep 2024 15:51

Instrument :
MSVOA_N
ClientSampleId :

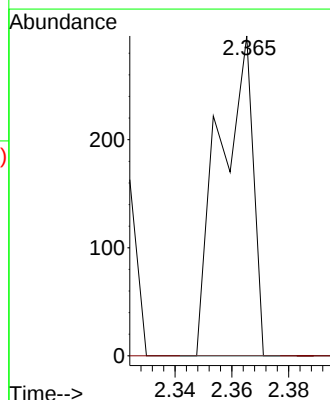
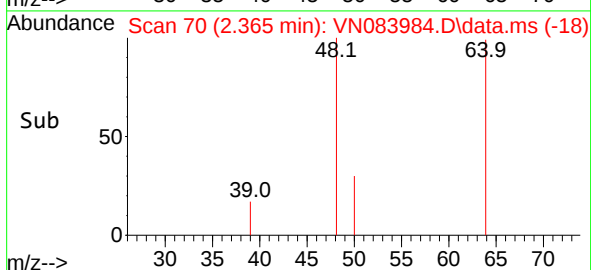
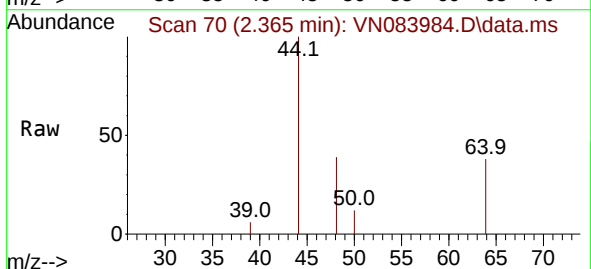


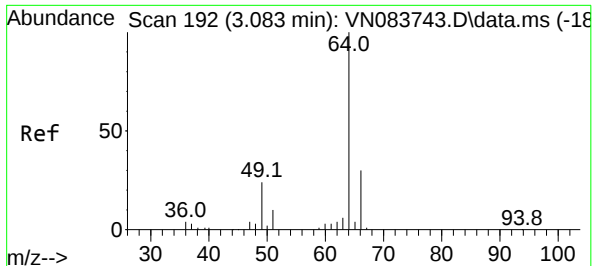
Tgt Ion:168 Resp: 180412
Ion Ratio Lower Upper
168 100
99 70.0 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083984.D
Acq: 18 Sep 2024 15:51

Tgt Ion: 50 Resp: 243
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

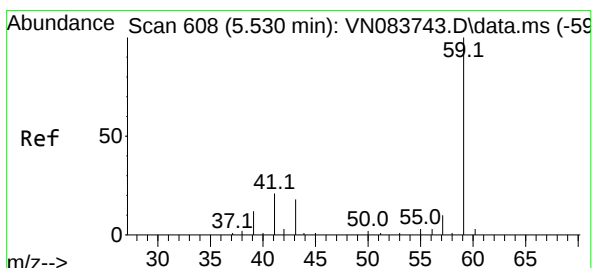
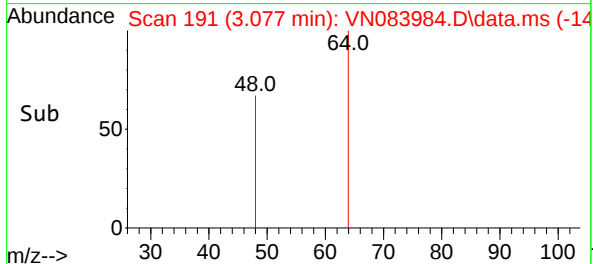
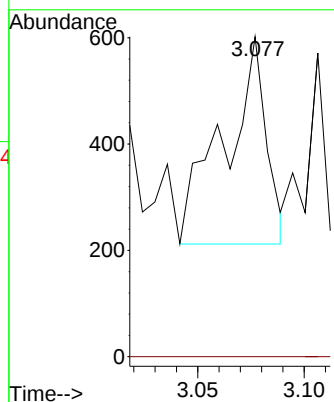
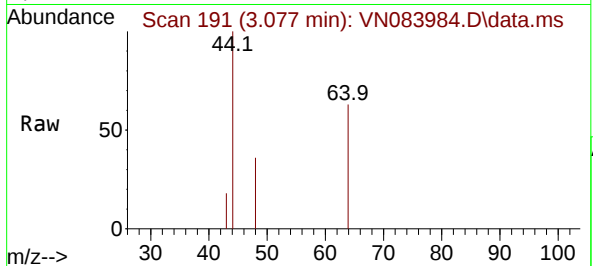




#6
Chloroethane
Concen: 0.334 ug/l
RT: 3.077 min Scan# 191
Delta R.T. -0.006 min
Lab File: VN083984.D
Acq: 18 Sep 2024 15:51

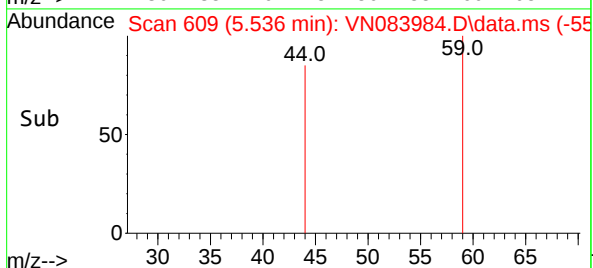
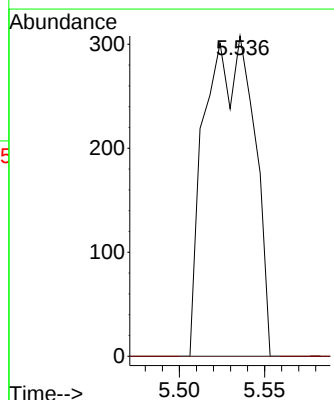
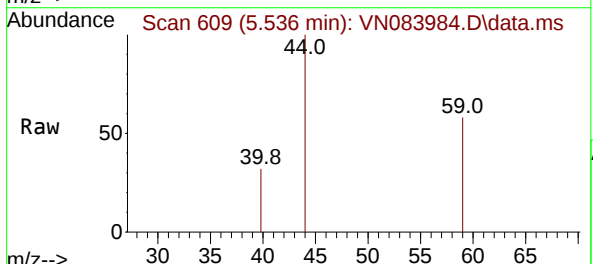
Instrument :
MSVOA_N
ClientSampleId :

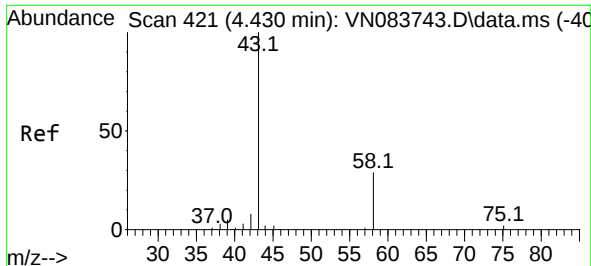
Tgt Ion: 64 Resp: 538
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#



#11
Tert butyl alcohol
Concen: 1.686 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.006 min
Lab File: VN083984.D
Acq: 18 Sep 2024 15:51

Tgt Ion: 59 Resp: 614
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

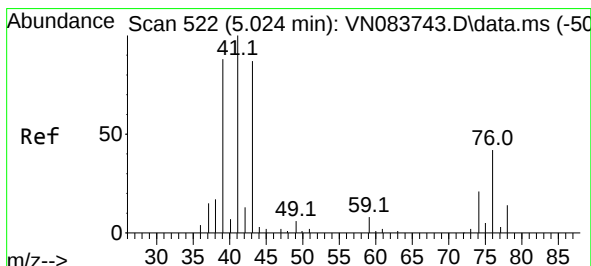
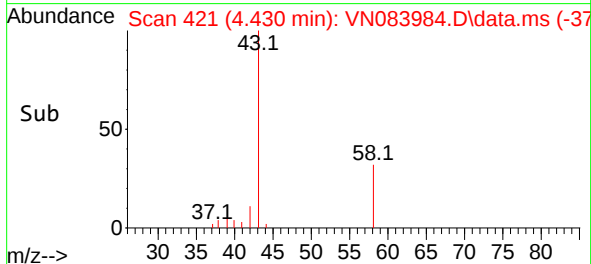
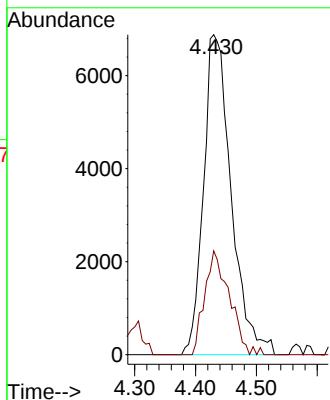
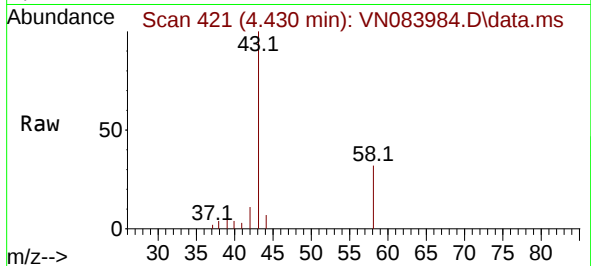




#16
Acetone
Concen: 19.910 ug/l
RT: 4.430 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN083984.D
Acq: 18 Sep 2024 15:51

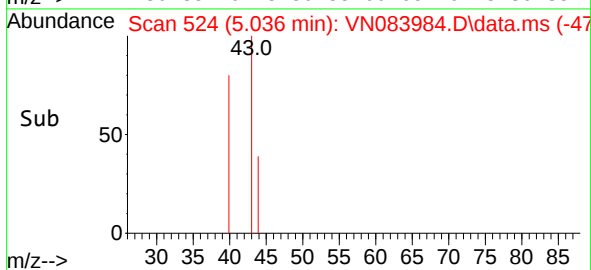
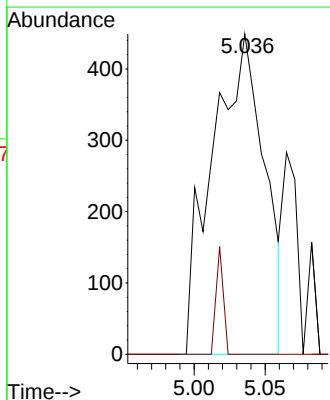
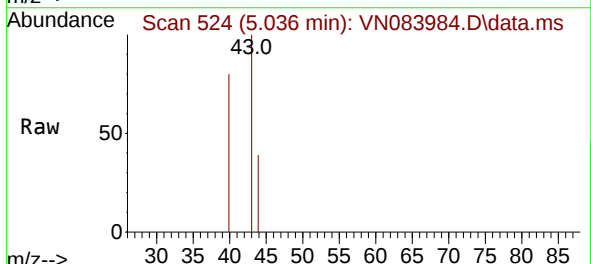
Instrument :
MSVOA_N
ClientSampleId :

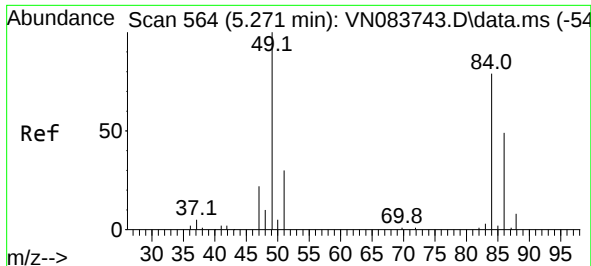
Tgt Ion: 43 Resp: 21712
Ion Ratio Lower Upper
43 100
58 32.5 23.7 35.5



#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN083984.D
Acq: 18 Sep 2024 15:51

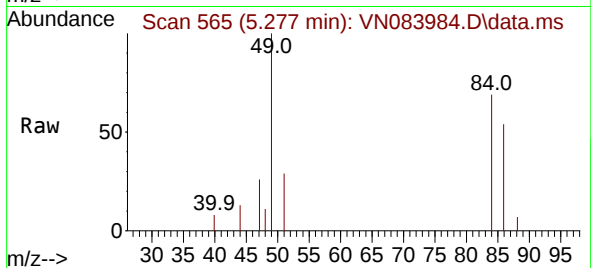
Tgt Ion: 43 Resp: 1143
Ion Ratio Lower Upper
43 100
74 4.6 19.0 28.4#



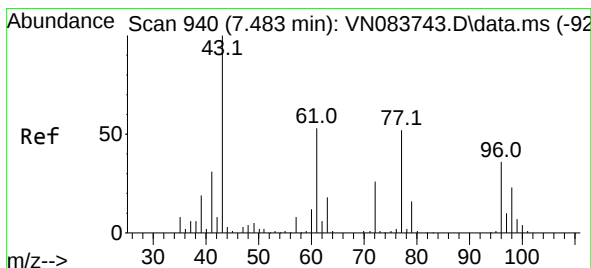
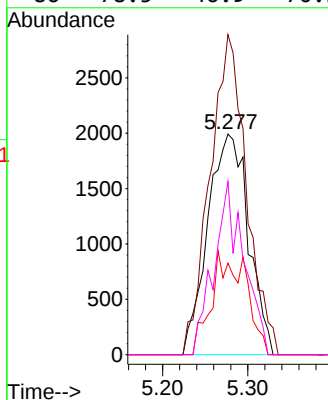
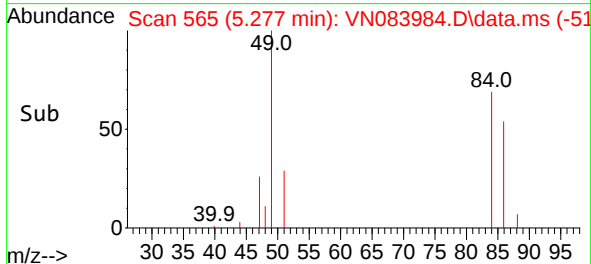


#20
Methylene Chloride
Concen: 2.964 ug/l
RT: 5.277 min Scan# 50
Delta R.T. 0.006 min
Lab File: VN083984.D
Acq: 18 Sep 2024 15:51

Instrument :
MSVOA_N
ClientSampleId :

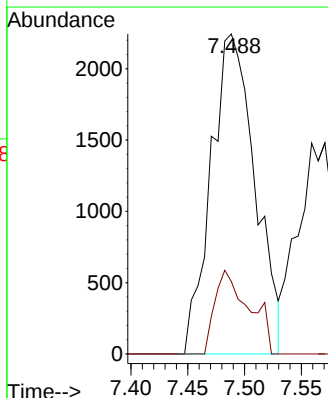
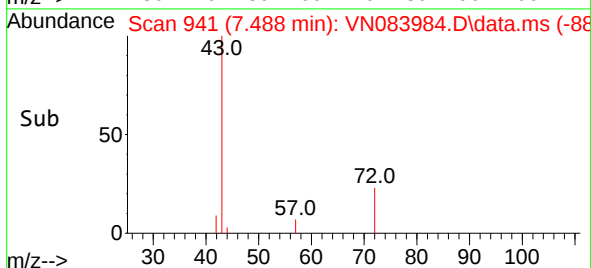
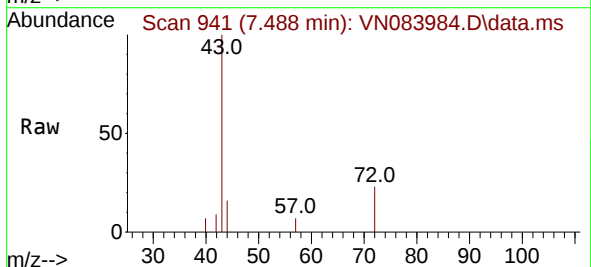


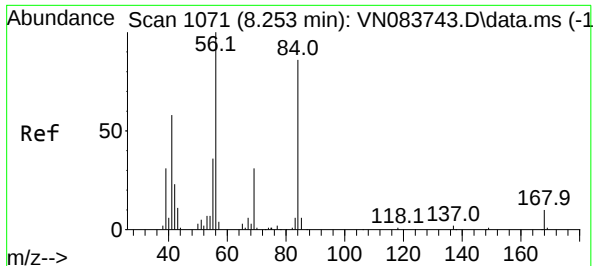
Tgt Ion:	84	Resp:	6615
Ion	Ratio	Lower	Upper
84	100		
49	145.1	93.4	140.0#
51	41.5	29.2	43.8
86	78.5	46.9	70.3#



#25
2-Butanone
Concen: 4.231 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083984.D
Acq: 18 Sep 2024 15:51

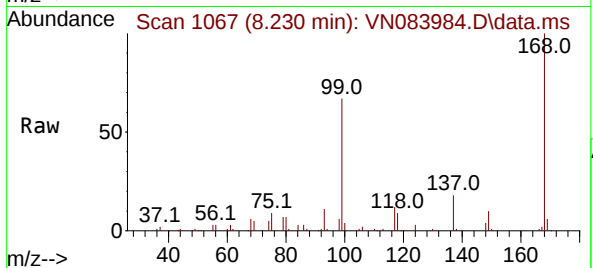
Tgt Ion:	43	Resp:	6064
Ion	Ratio	Lower	Upper
43	100		
72	22.7	20.8	31.2



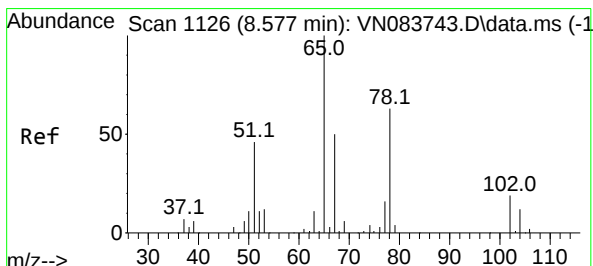
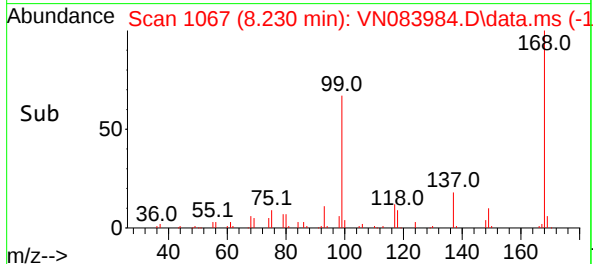
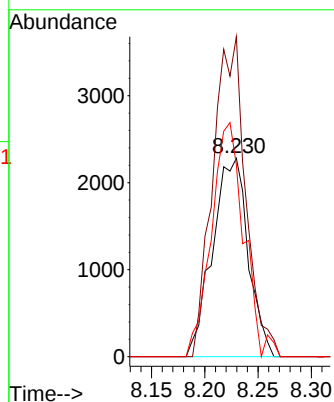


#31
Cyclohexane
Concen: 1.346 ug/l
RT: 8.230 min Scan# 1071
Delta R.T. -0.024 min
Lab File: VN083984.D
Acq: 18 Sep 2024 15:51

Instrument :
MSVOA_N
ClientSampleId :

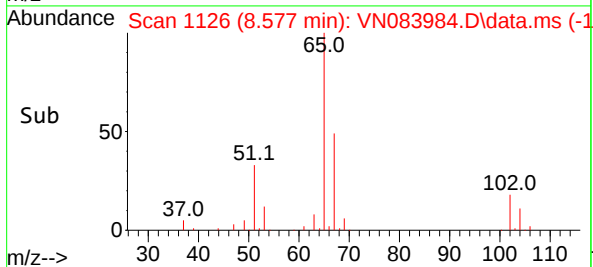
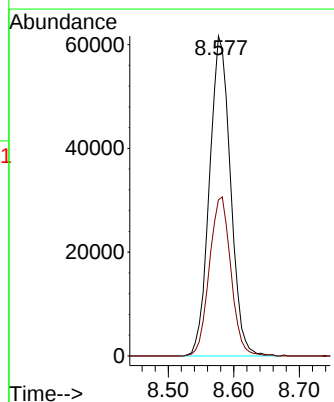
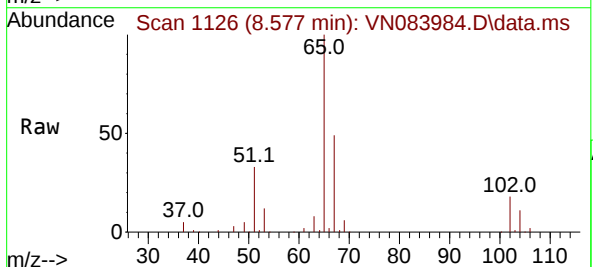


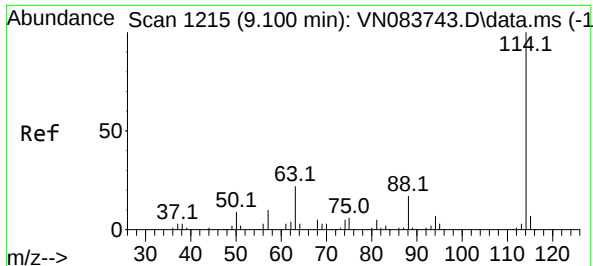
Tgt Ion: 56 Resp: 5291
Ion Ratio Lower Upper
56 100
69 161.2 26.9 40.3#
84 96.8 69.2 103.8



#33
1,2-Dichloroethane-d4
Concen: 50.526 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN083984.D
Acq: 18 Sep 2024 15:51

Tgt Ion: 65 Resp: 137449
Ion Ratio Lower Upper
65 100
67 50.8 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN083984.D

Acq: 18 Sep 2024 15:51

Instrument :

MSVOA_N

ClientSampleId :

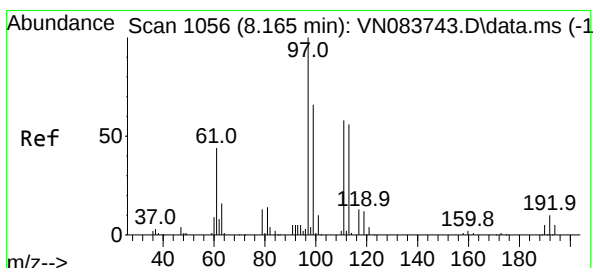
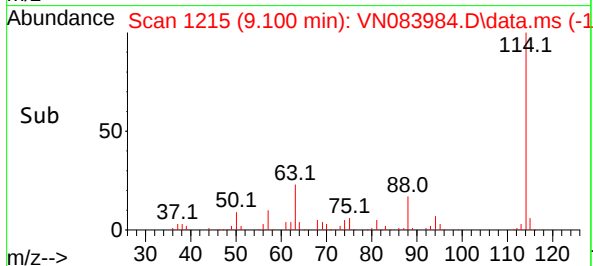
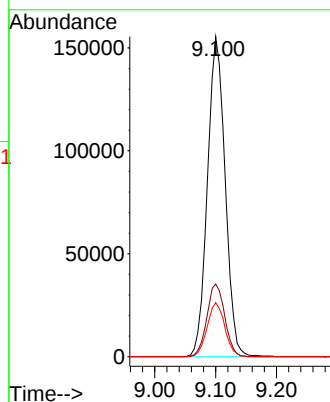
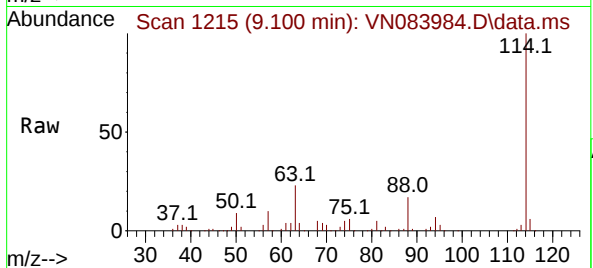
Tgt Ion:114 Resp: 314389

Ion Ratio Lower Upper

114 100

63 22.7 0.0 43.4

88 16.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.777 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083984.D

Acq: 18 Sep 2024 15:51

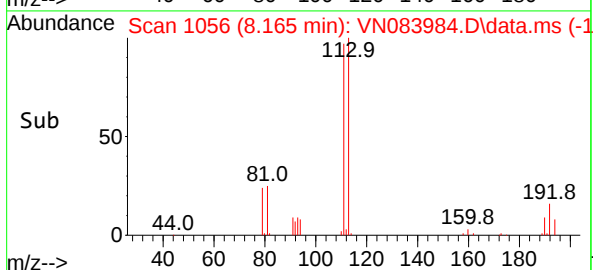
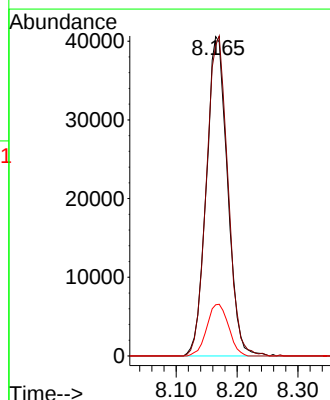
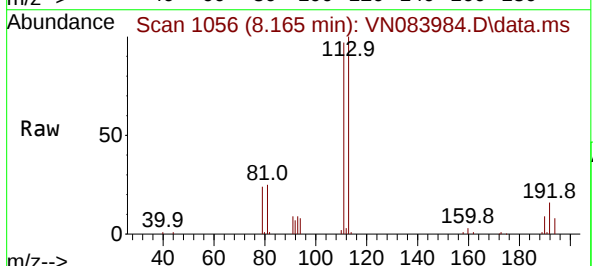
Tgt Ion:113 Resp: 98173

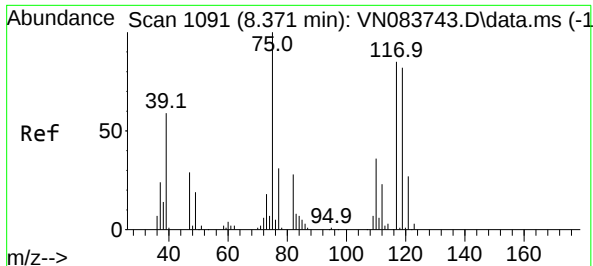
Ion Ratio Lower Upper

113 100

111 100.9 82.6 124.0

192 16.6 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.734 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

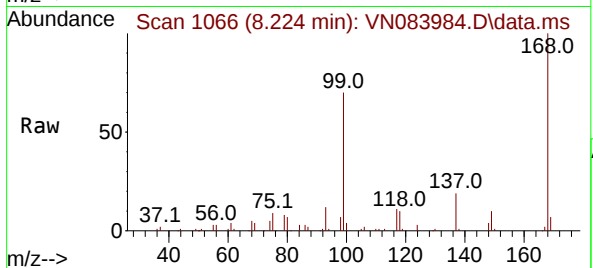
Lab File: VN083984.D

Acq: 18 Sep 2024 15:51

Instrument :

MSVOA_N

ClientSampleId :



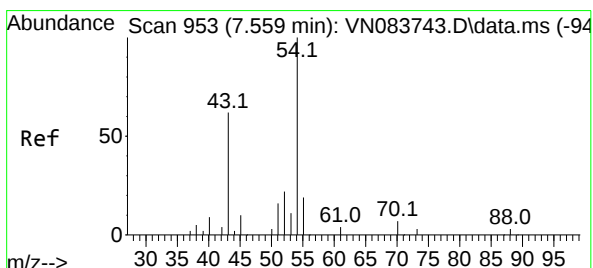
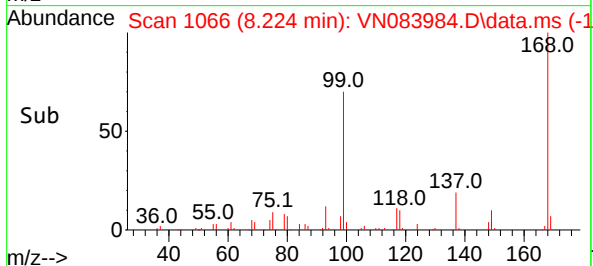
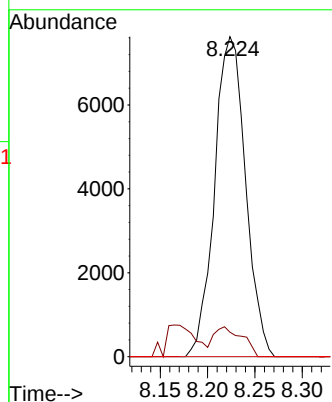
Tgt Ion: 75 Resp: 17371

Ion Ratio Lower Upper

75 100

110 8.5 16.7 50.1#

77 0.0 25.2 37.8#



#37

Ethyl Acetate

Concen: 1.388 ug/l

RT: 7.571 min Scan# 955

Delta R.T. 0.012 min

Lab File: VN083984.D

Acq: 18 Sep 2024 15:51

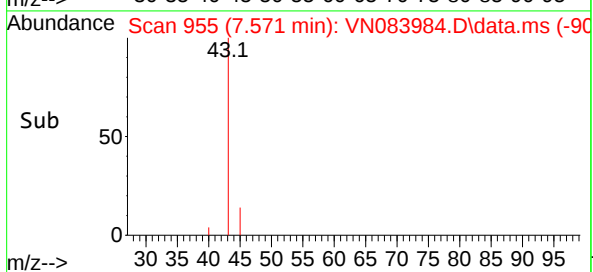
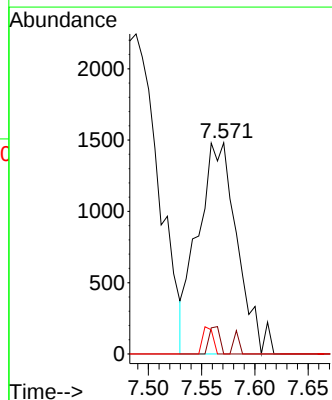
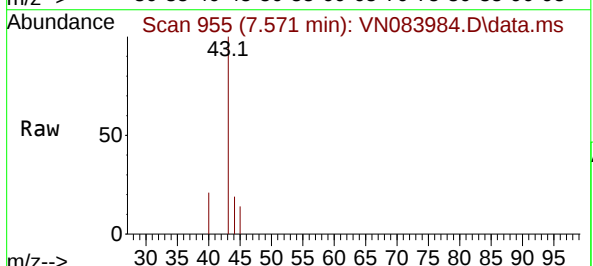
Tgt Ion: 43 Resp: 3817

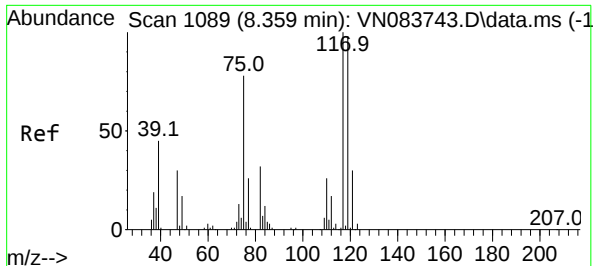
Ion Ratio Lower Upper

43 100

61 3.5 11.1 16.7#

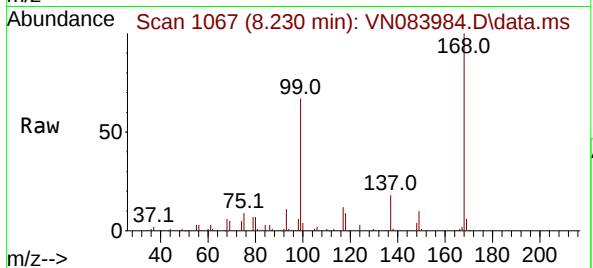
70 3.3 8.8 13.2#



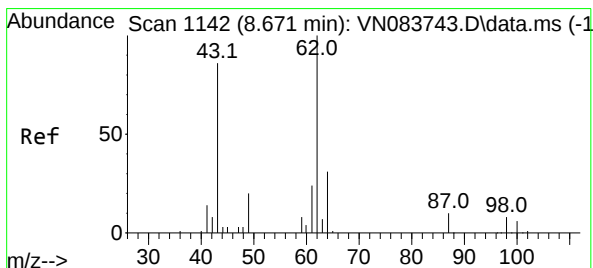
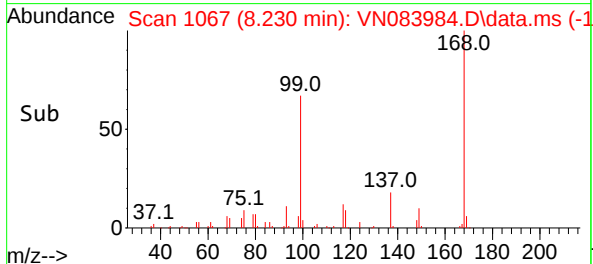
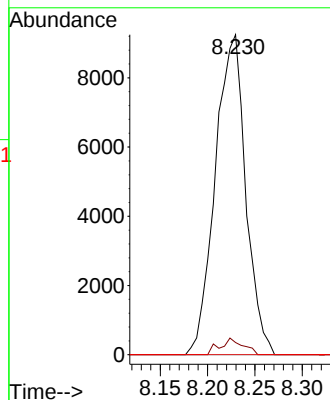


#38
Carbon Tetrachloride
Concen: 6.019 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.129 min
Lab File: VN083984.D
Acq: 18 Sep 2024 15:51

Instrument :
MSVOA_N
ClientSampleId :

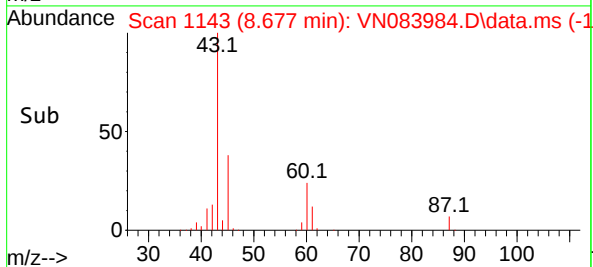
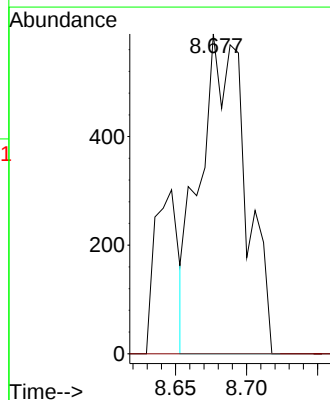
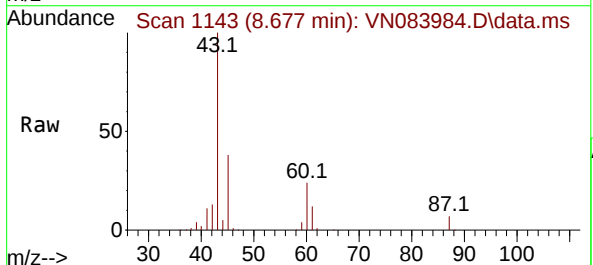


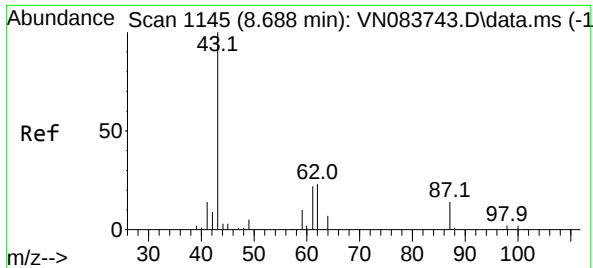
Tgt Ion:117 Resp: 20685
Ion Ratio Lower Upper
117 100
119 3.8 76.1 114.1#
121 0.0 24.1 36.1#



#42
1,2-Dichloroethane
Concen: 0.389 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN083984.D
Acq: 18 Sep 2024 15:51

Tgt Ion: 62 Resp: 1324
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.6

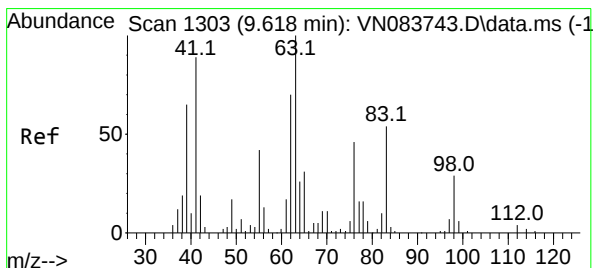
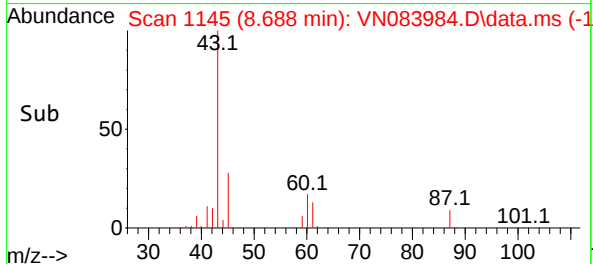
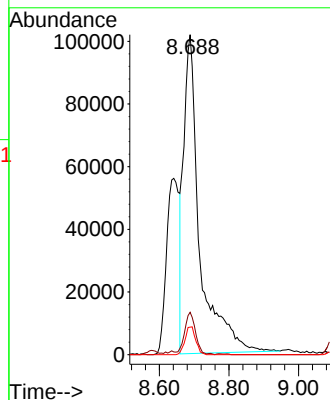
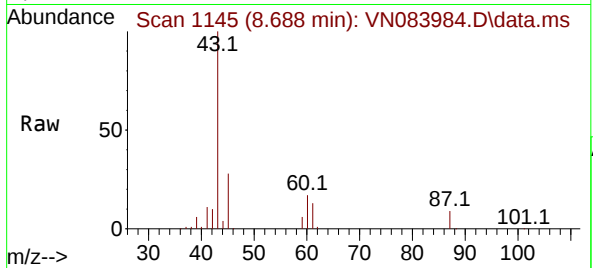




#43
Isopropyl Acetate
Concen: 65.699 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN083984.D
Acq: 18 Sep 2024 15:51

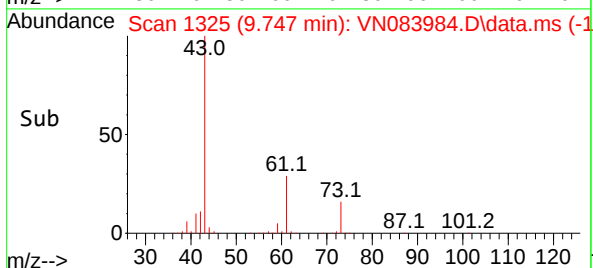
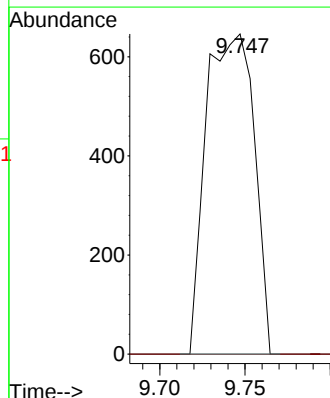
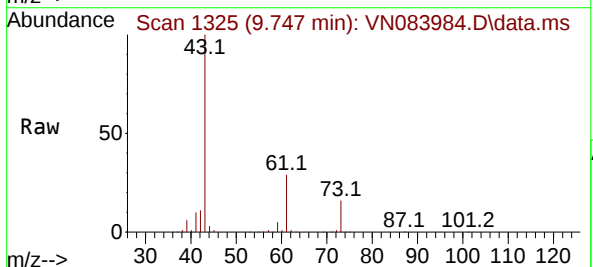
Instrument :
MSVOA_N
ClientSampleId :

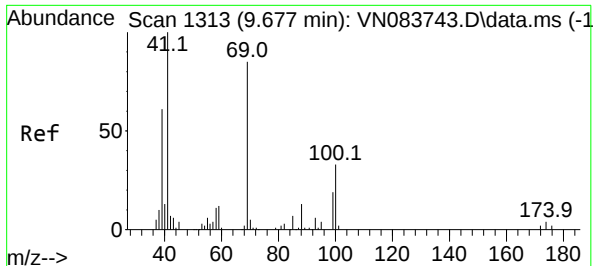
Tgt Ion: 43 Resp: 327375
Ion Ratio Lower Upper
43 100
61 9.1 19.4 29.0#
87 5.7 9.8 14.6#



#45
1,2-Dichloropropane
Concen: 0.576 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.129 min
Lab File: VN083984.D
Acq: 18 Sep 2024 15:51

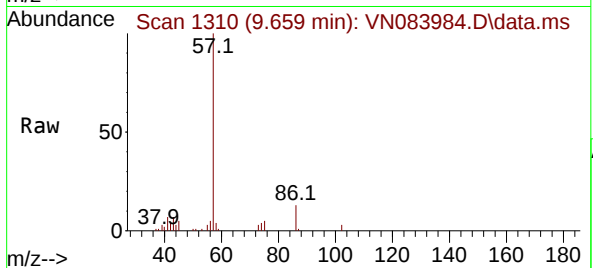
Tgt Ion: 63 Resp: 1269
Ion Ratio Lower Upper
63 100
65 0.0 25.9 38.9#



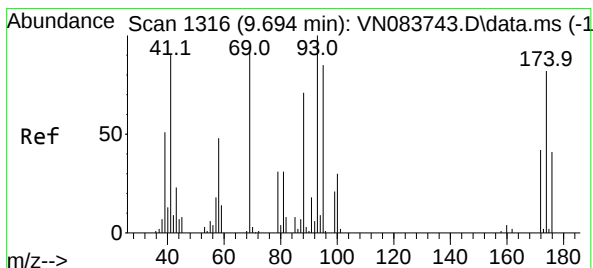
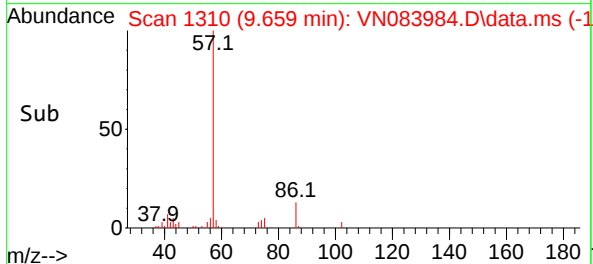
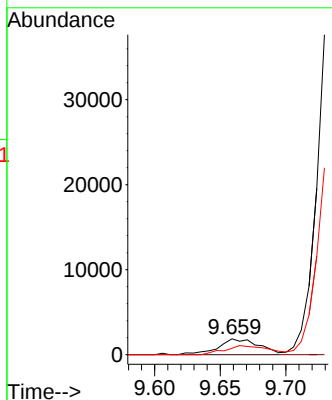


#48
Methyl methacrylate
Concen: 1.715 ug/l
RT: 9.659 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN083984.D
Acq: 18 Sep 2024 15:51

Instrument :
MSVOA_N
ClientSampleId :

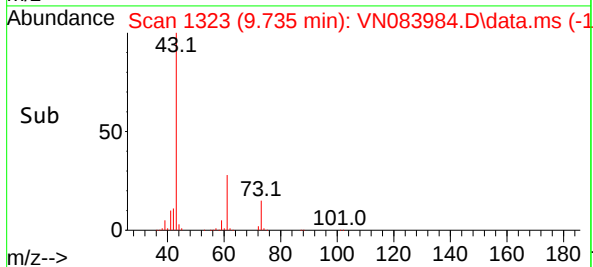
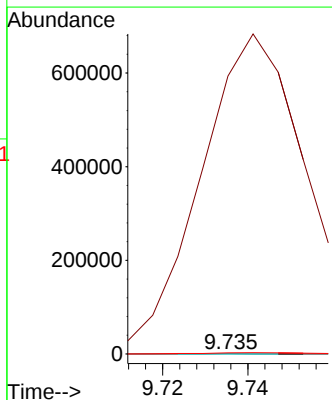
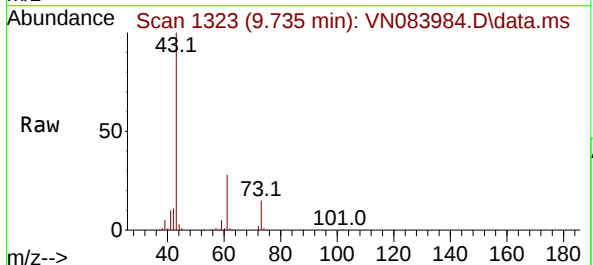


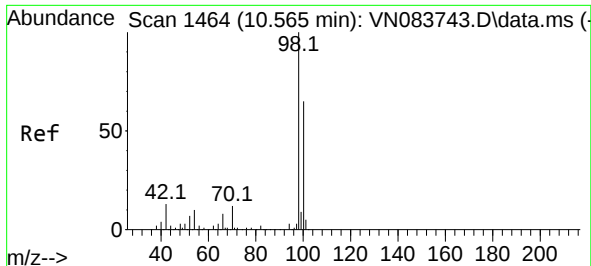
Tgt Ion: 41 Resp: 4054
Ion Ratio Lower Upper
41 100
69 0.0 64.3 96.5#
39 61.0 48.9 73.3



#49
1,4-Dioxane
Concen: 1.928 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.041 min
Lab File: VN083984.D
Acq: 18 Sep 2024 15:51

Tgt Ion: 88 Resp: 75
Ion Ratio Lower Upper
88 100
43 1615537.3 0.0 0.0#
58 6173.3 57.1 85.7#

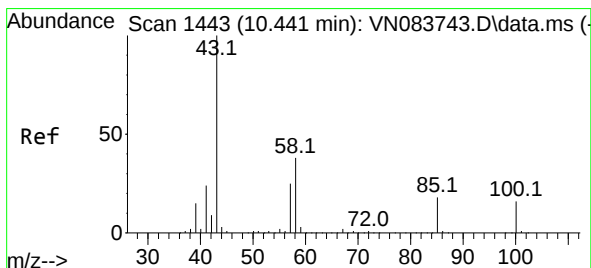
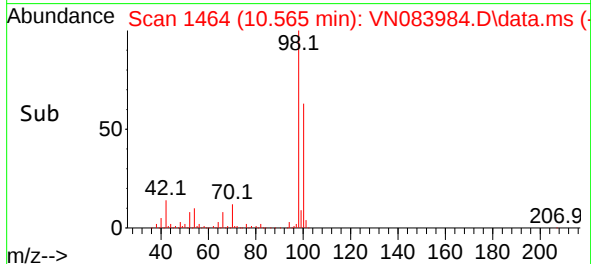
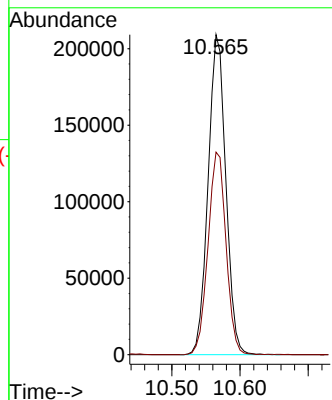
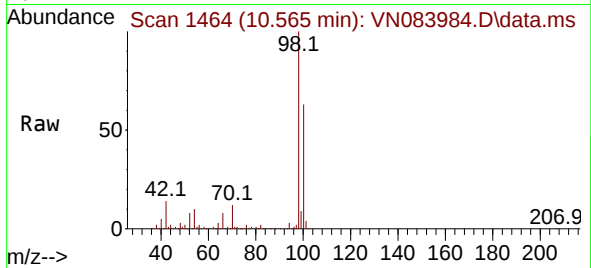




#50
Toluene-d8
Concen: 54.325 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083984.D
Acq: 18 Sep 2024 15:51

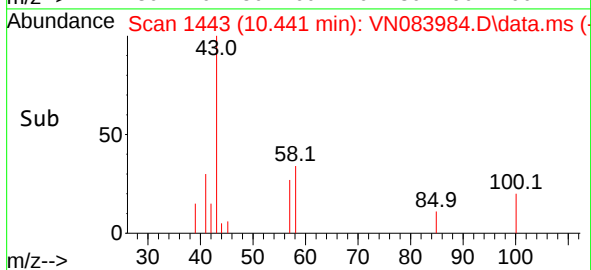
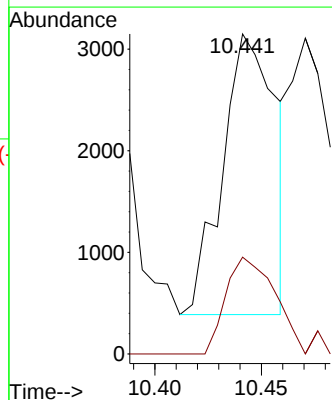
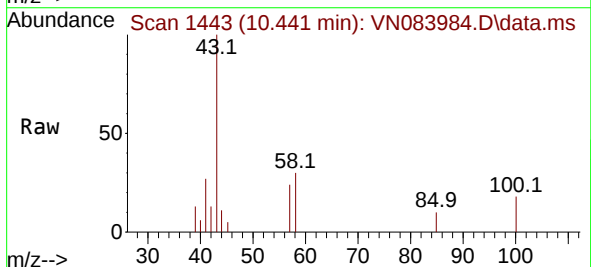
Instrument :
MSVOA_N
ClientSampleId :

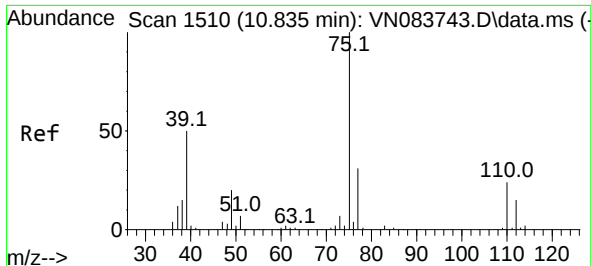
Tgt Ion: 98 Resp: 377987
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.766 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN083984.D
Acq: 18 Sep 2024 15:51

Tgt Ion: 43 Resp: 4791
Ion Ratio Lower Upper
43 100
58 33.7 31.6 47.4

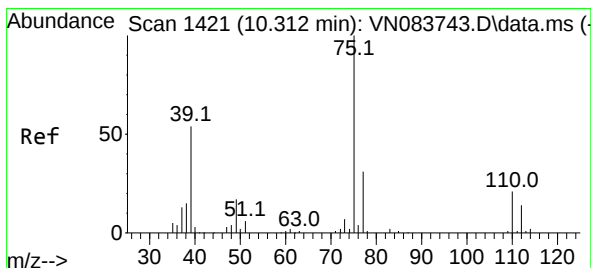
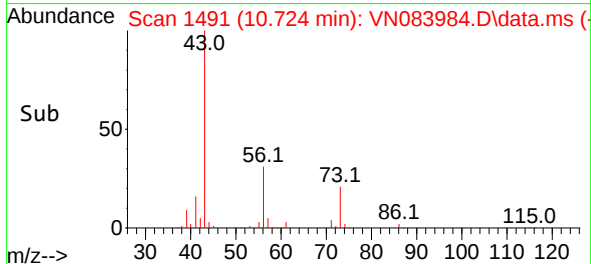
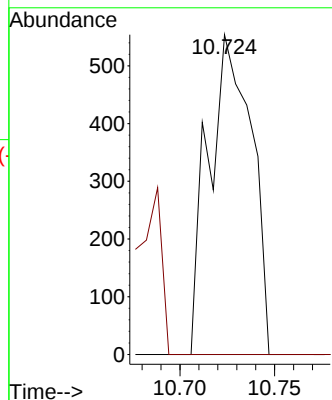
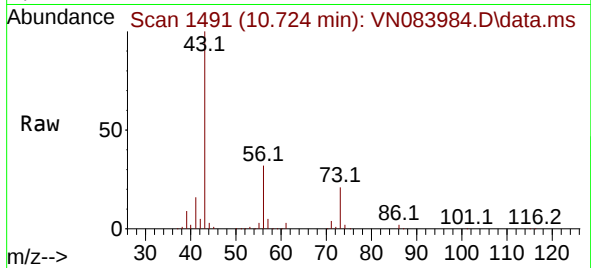




#53
 t-1,3-Dichloropropene
 Concen: 0.259 ug/l
 RT: 10.724 min Scan# 1491
 Delta R.T. -0.112 min
 Lab File: VN083984.D
 Acq: 18 Sep 2024 15:51

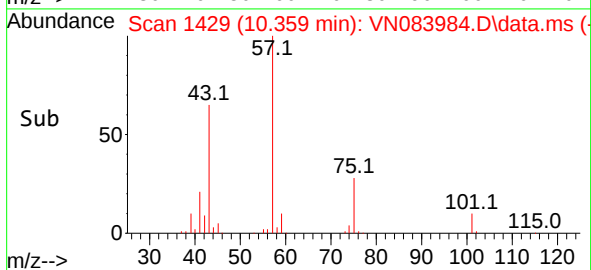
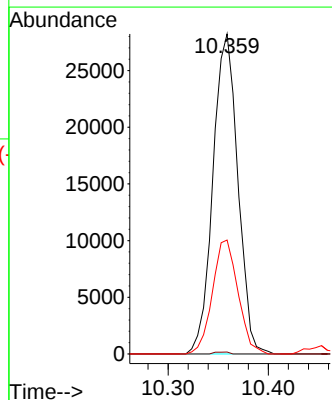
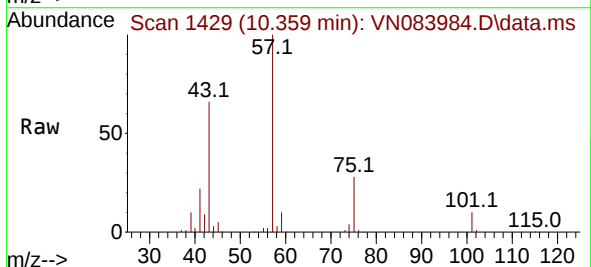
Instrument :
 MSVOA_N
 ClientSampleId :

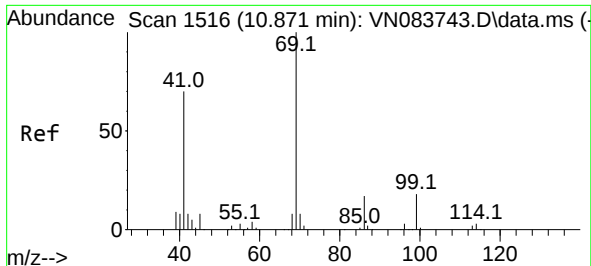
Tgt Ion: 75 Resp: 877
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.8 38.6#



#54
 cis-1,3-Dichloropropene
 Concen: 13.694 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN083984.D
 Acq: 18 Sep 2024 15:51

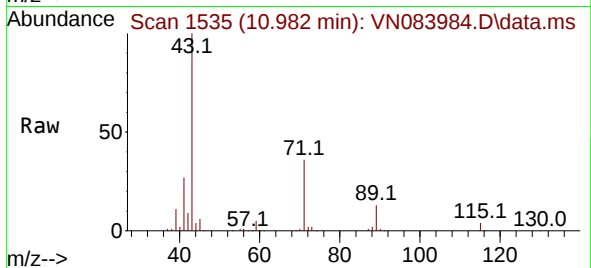
Tgt Ion: 75 Resp: 48707
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.6#
 39 35.6 42.6 64.0#



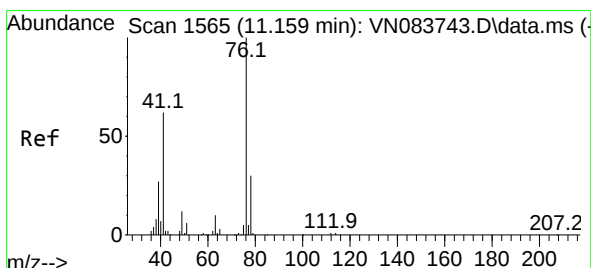
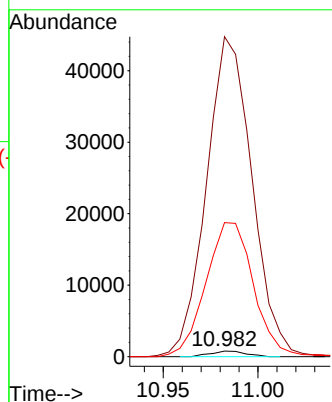
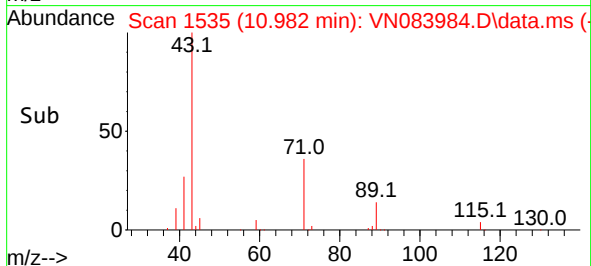


#56
Ethyl methacrylate
Concen: 0.318 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.112 min
Lab File: VN083984.D
Acq: 18 Sep 2024 15:51

Instrument :
MSVOA_N
ClientSampleId :

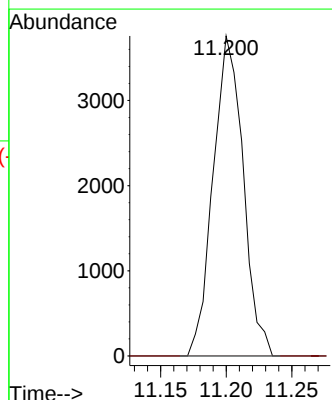
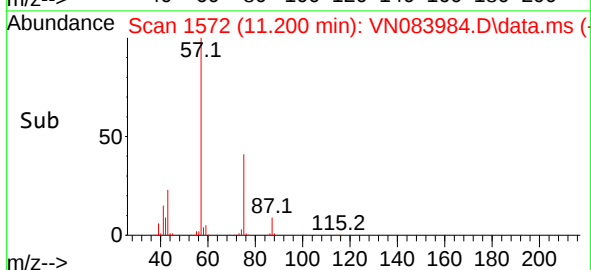
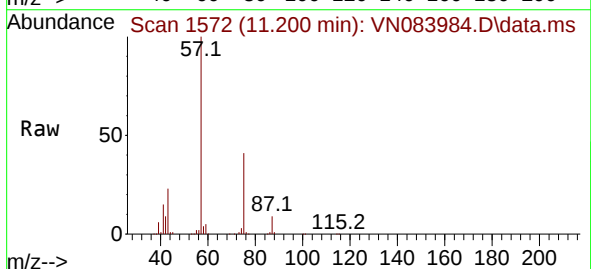


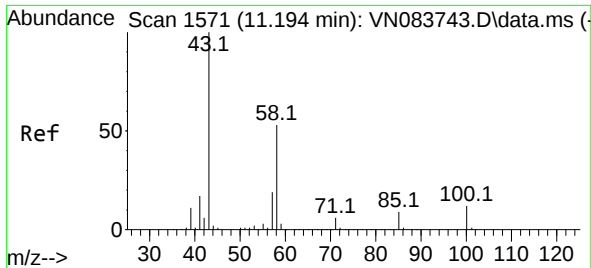
Tgt Ion: 69 Resp: 1019
Ion Ratio Lower Upper
69 100
41 7372.8 53.9 80.9#
39 3224.5 32.6 48.8#



#57
1,3-Dichloropropane
Concen: 1.671 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN083984.D
Acq: 18 Sep 2024 15:51

Tgt Ion: 76 Resp: 5979
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

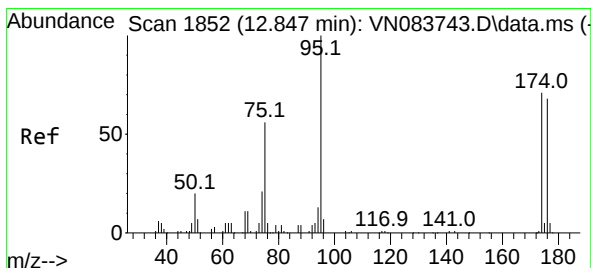
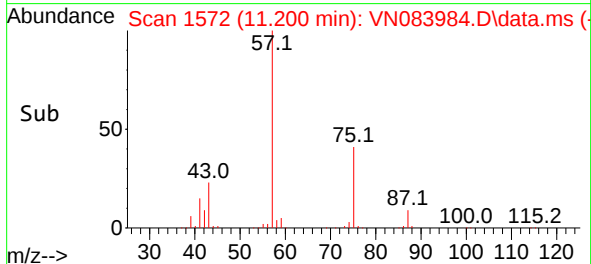
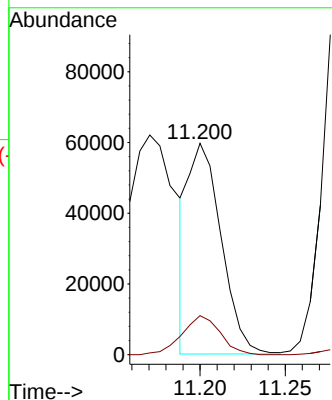
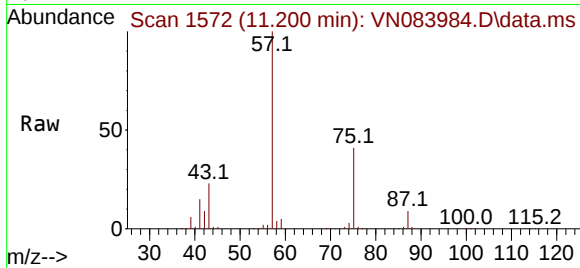




#59
2-Hexanone
Concen: 40.073 ug/l
RT: 11.200 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VN083984.D
Acq: 18 Sep 2024 15:51

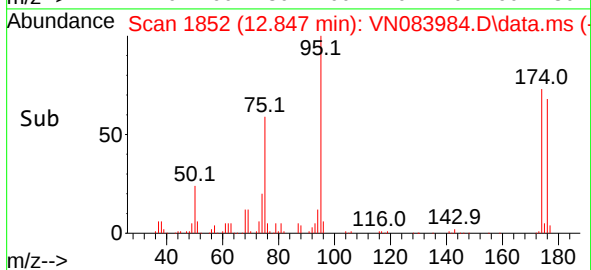
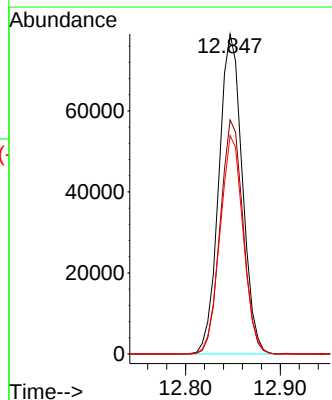
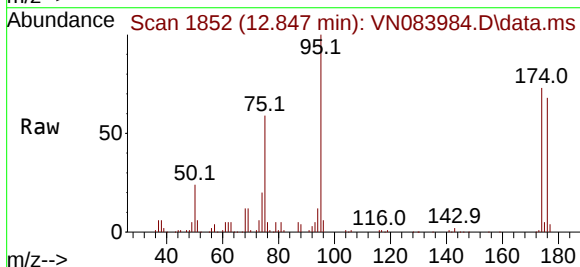
Instrument :
MSVOA_N
ClientSampleId :

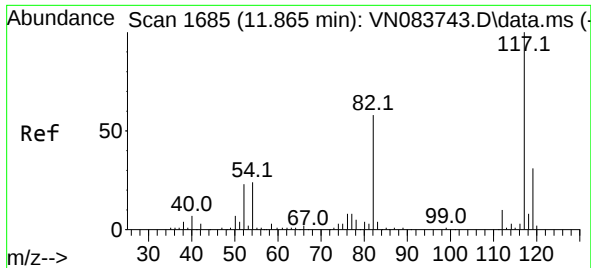
Tgt Ion: 43 Resp: 80406
Ion Ratio Lower Upper
43 100
58 21.3 27.2 81.5#



#62
4-Bromofluorobenzene
Concen: 47.310 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083984.D
Acq: 18 Sep 2024 15:51

Tgt Ion: 95 Resp: 135812
Ion Ratio Lower Upper
95 100
174 71.3 0.0 139.8
176 67.6 0.0 131.4

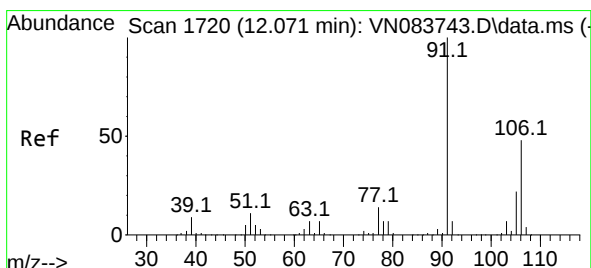
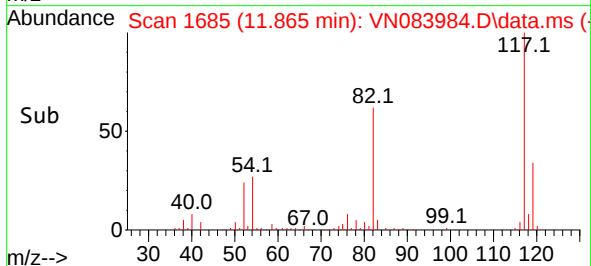
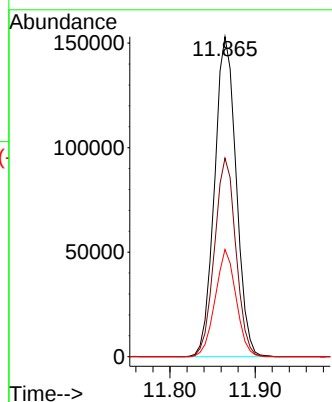
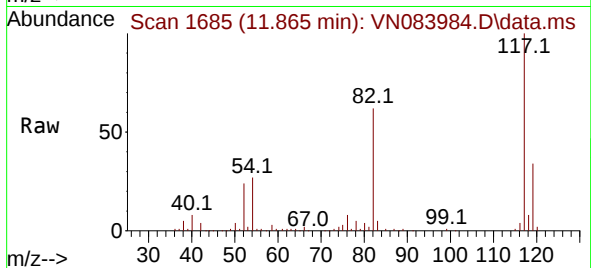




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11719
Delta R.T. -0.000 min
Lab File: VN083984.D
Acq: 18 Sep 2024 15:51

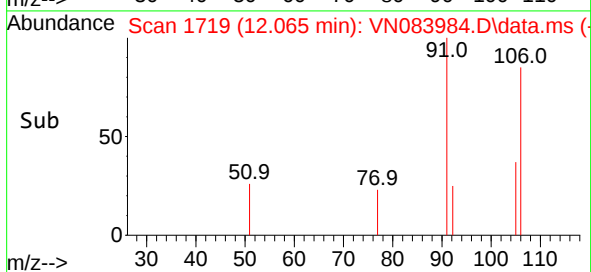
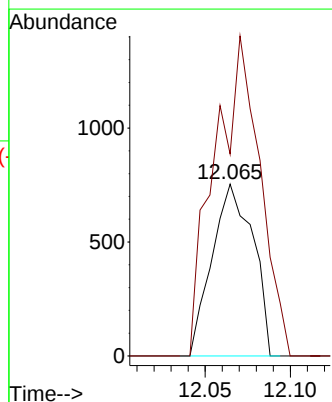
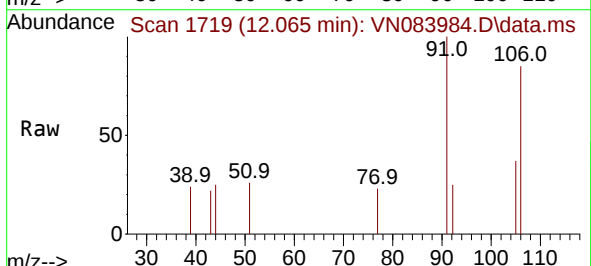
Instrument :
MSVOA_N
ClientSampleId :

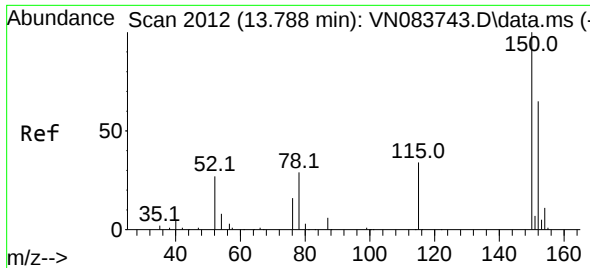
Tgt Ion:117 Resp: 270175
Ion Ratio Lower Upper
117 100
82 62.0 47.4 71.0
119 33.5 26.3 39.5



#68
m/p-Xylenes
Concen: 0.318 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN083984.D
Acq: 18 Sep 2024 15:51

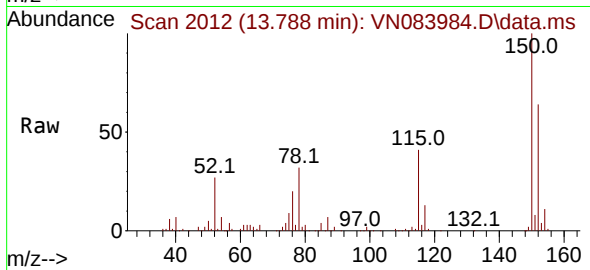
Tgt Ion:106 Resp: 1260
Ion Ratio Lower Upper
106 100
91 205.6 169.2 253.8



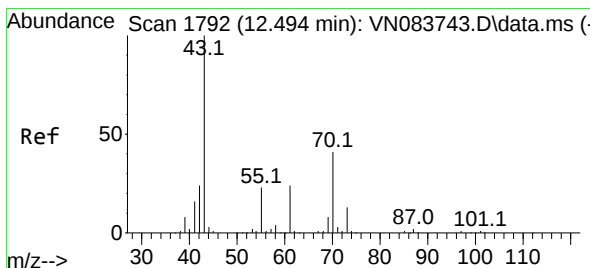
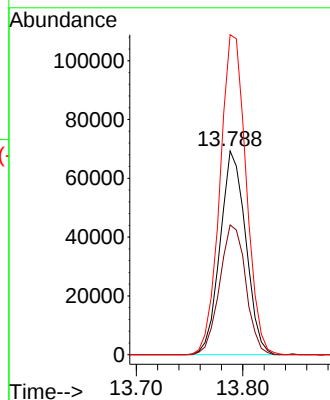
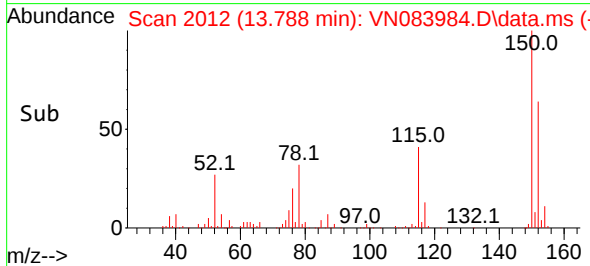


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN083984.D
Acq: 18 Sep 2024 15:51

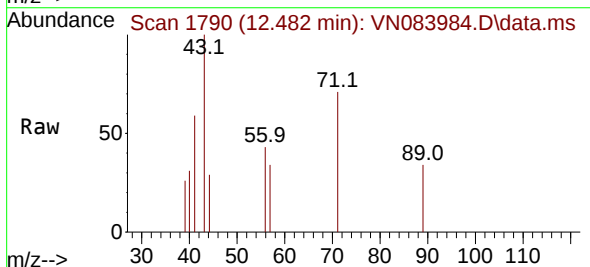
Instrument :
MSVOA_N
ClientSampleId :



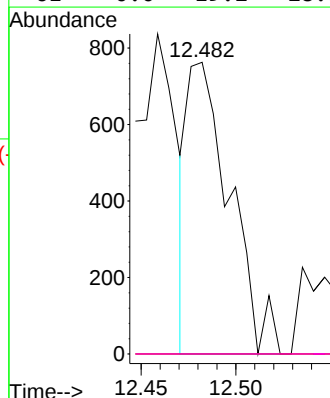
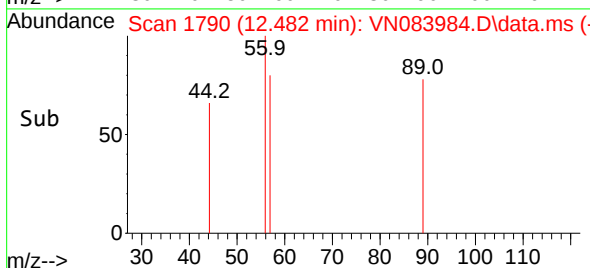
Tgt Ion:152 Resp: 115891
Ion Ratio Lower Upper
152 100
115 64.7 32.2 96.6
150 160.1 0.0 348.6

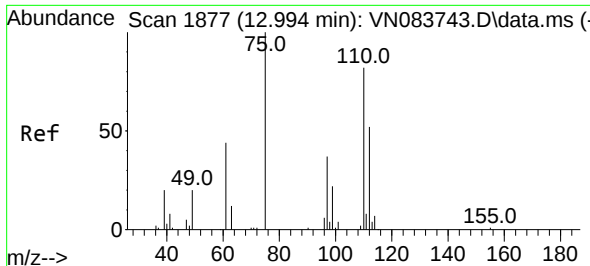


#74
N-ethyl acetate
Concen: 0.312 ug/l
RT: 12.482 min Scan# 1790
Delta R.T. -0.012 min
Lab File: VN083984.D
Acq: 18 Sep 2024 15:51



Tgt Ion: 43 Resp: 1194
Ion Ratio Lower Upper
43 100
70 0.0 34.5 51.7#
55 0.0 18.6 28.0#
61 0.0 19.2 28.8#

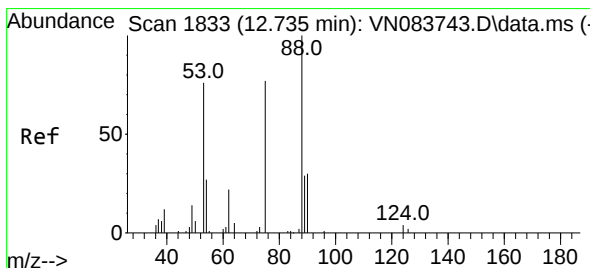
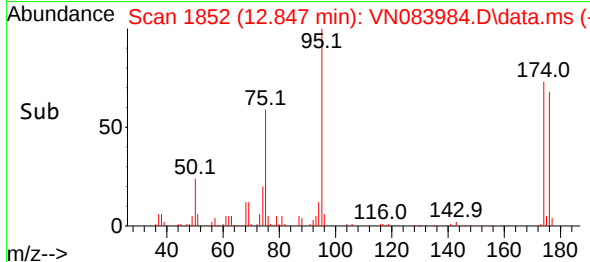
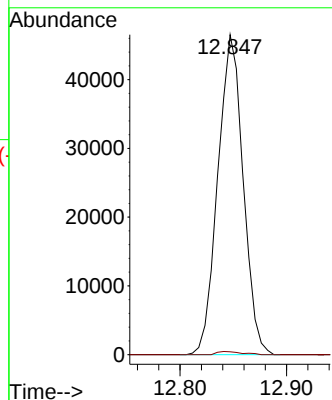
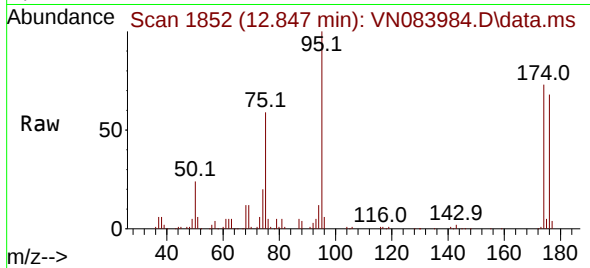




#76
1,2,3-Trichloropropane
Concen: 32.809 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083984.D
Acq: 18 Sep 2024 15:51

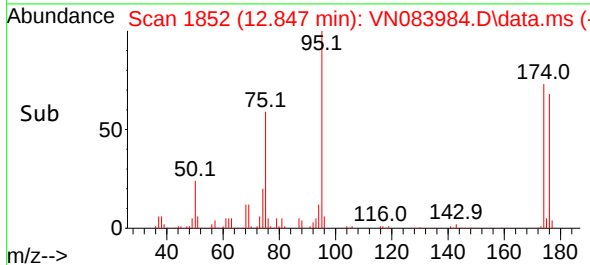
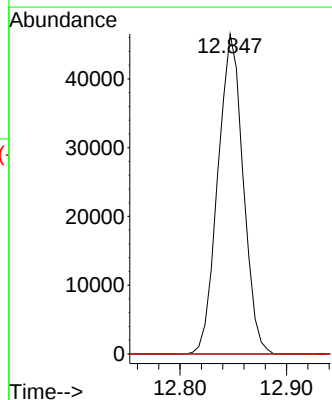
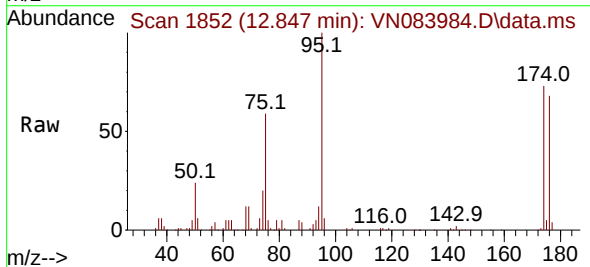
Instrument :
MSVOA_N
ClientSampleId :

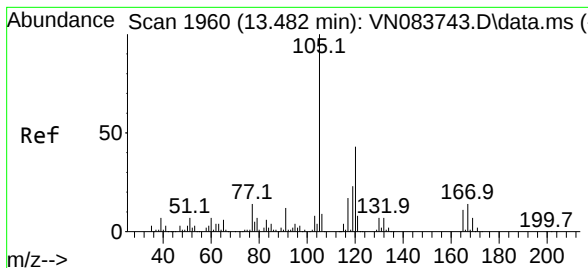
Tgt Ion: 75 Resp: 76722
Ion Ratio Lower Upper
75 100
77 1.0 95.2 285.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.929 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083984.D
Acq: 18 Sep 2024 15:51

Tgt Ion: 75 Resp: 76722
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

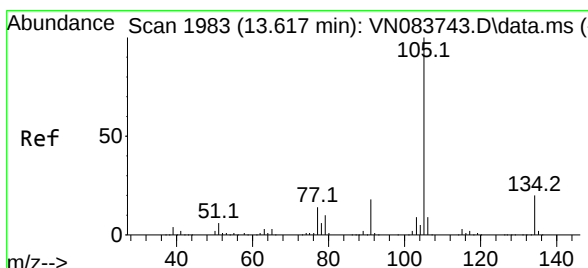
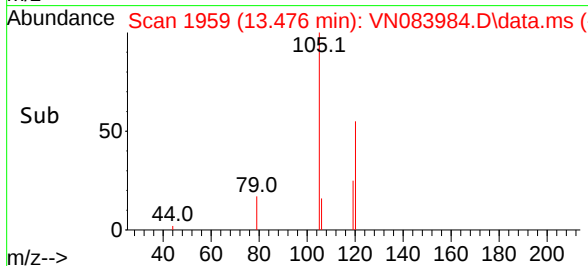
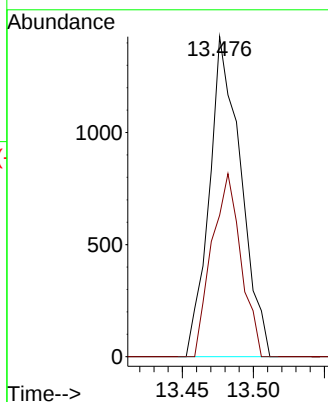
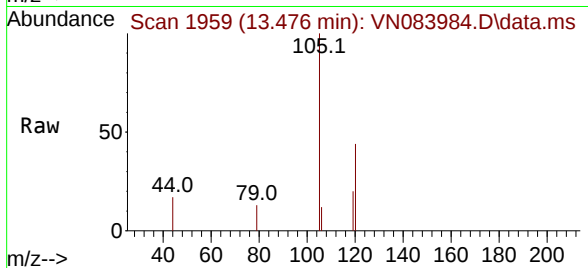




#84
1,2,4-Trimethylbenzene
Concen: 0.291 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.006 min
Lab File: VN083984.D
Acq: 18 Sep 2024 15:51

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:105 Resp: 2211
Ion Ratio Lower Upper
105 100
120 52.6 21.8 65.4



#85
sec-Butylbenzene
Concen: 0.252 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.141 min
Lab File: VN083984.D
Acq: 18 Sep 2024 15:51

Tgt Ion:105 Resp: 2211
Ion Ratio Lower Upper
105 100
134 0.0 9.7 29.1#

