

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
 Data File : VN085150.D
 Acq On : 09 Dec 2024 14:10
 Operator : JC\MD
 Sample : P5096-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MH-A

Quant Time: Dec 10 05:01:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

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

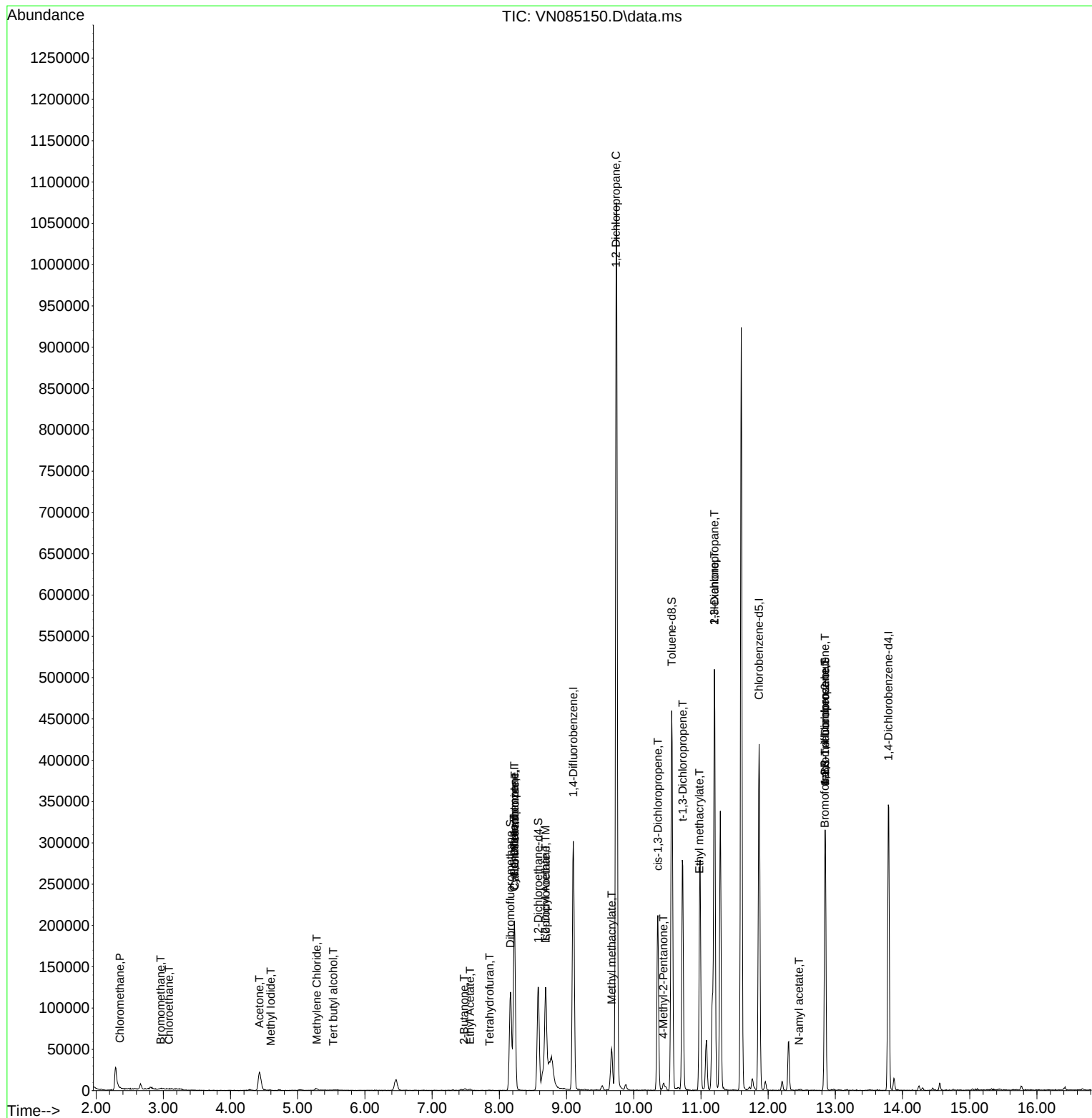
Internal Standards						
1) Pentafluorobenzene	8.224	168	144738	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	262363	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	239510	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	97109	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	107246	52.019	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.040%			
35) Dibromofluoromethane	8.165	113	86697	49.001	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.000%			
50) Toluene-d8	10.565	98	316499	49.915	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.840%			
62) 4-Bromofluorobenzene	12.847	95	112572	47.474	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.940%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.354	50	531	0.280	ug/l #	40
5) Bromomethane	2.959	94	486	0.508	ug/l #	77
6) Chloroethane	3.083	64	419	0.364	ug/l #	44
10) Methyl Iodide	4.601	142	746	0.342	ug/l #	39
11) Tert butyl alcohol	5.530	59	218	0.791	ug/l #	75
16) Acetone	4.430	43	43304	72.120	ug/l	99
18) Methyl Acetate	5.048	43	1769	Below Cal	#	50
20) Methylene Chloride	5.283	84	1776	0.969	ug/l #	87
25) 2-Butanone	7.477	43	3568	3.635	ug/l #	72
29) Tetrahydrofuran	7.853	42	271	0.444	ug/l #	31
31) Cyclohexane	8.218	56	2928	1.066	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	11909	4.969	ug/l #	50
37) Ethyl Acetate	7.565	43	2653	1.218	ug/l #	75
38) Carbon Tetrachloride	8.230	117	15275	5.522	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	765	0.295	ug/l #	75
43) Isopropyl Acetate	8.688	43	175072	38.686	ug/l #	80
45) 1,2-Dichloropropane	9.735	63	1223	0.655	ug/l #	45
48) Methyl methacrylate	9.671	41	3141	1.865	ug/l #	38
51) 4-Methyl-2-Pentanone	10.441	43	5225	2.528	ug/l	93
53) t-1,3-Dichloropropene	10.730	75	660	0.239	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	38468	13.155	ug/l #	63
56) Ethyl methacrylate	10.977	69	1293	0.529	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5288	1.798	ug/l #	42
59) 2-Hexanone	11.200	43	60792	39.324	ug/l #	55
71) Bromoform	12.841	173	502	0.354	ug/l #	29
74) N-amyl acetate	12.459	43	855	0.303	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	60142	34.049	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	60142	75.165	ug/l #	10

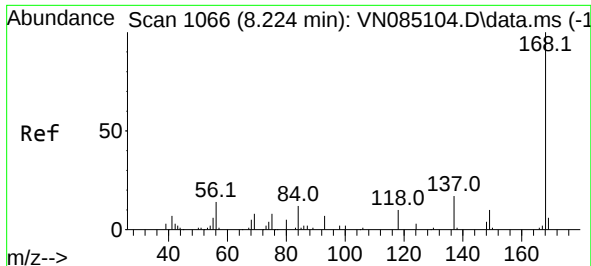
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120924\
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Instrument :
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Quant Time: Dec 10 05:01:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

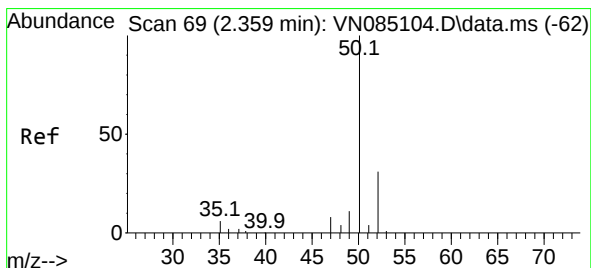
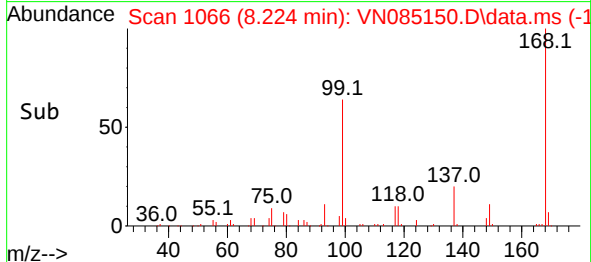
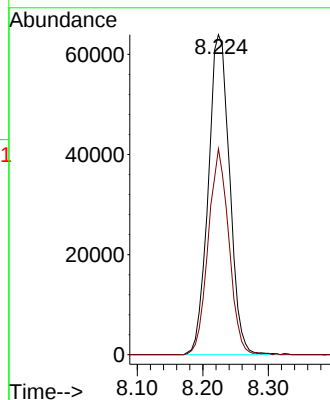
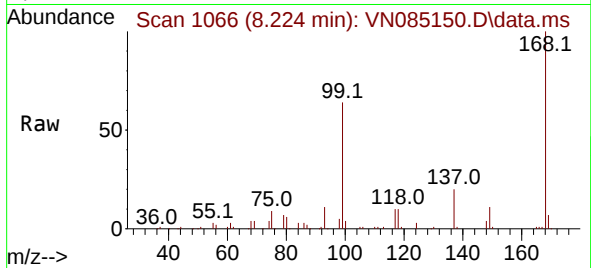




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085150.D
Acq: 09 Dec 2024 14:10

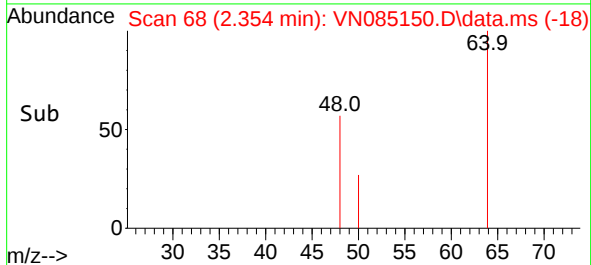
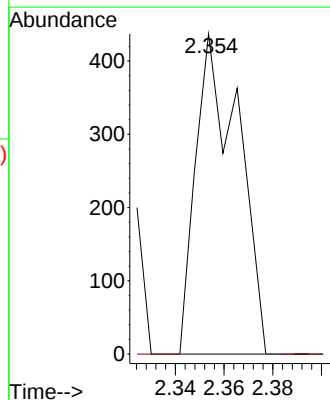
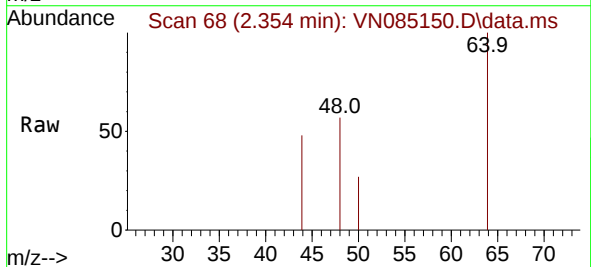
Instrument :
MSVOA_N
ClientSampleId :
MH-A

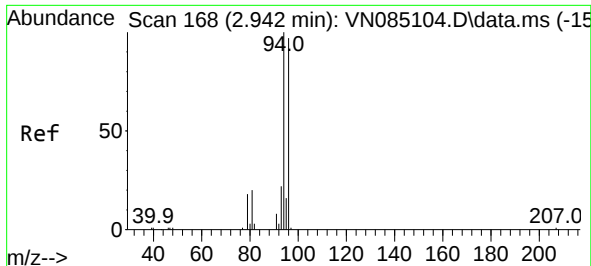
Tgt Ion:168 Resp: 144738
Ion Ratio Lower Upper
168 100
99 64.4 51.2 76.8



#3
Chloromethane
Concen: 0.280 ug/l
RT: 2.354 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN085150.D
Acq: 09 Dec 2024 14:10

Tgt Ion: 50 Resp: 531
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#

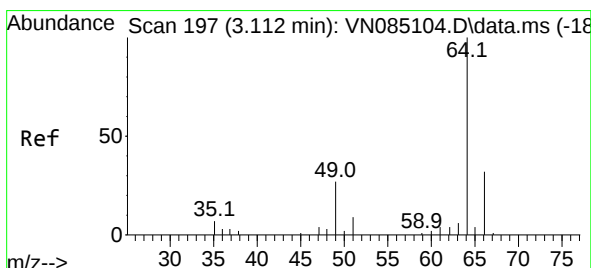
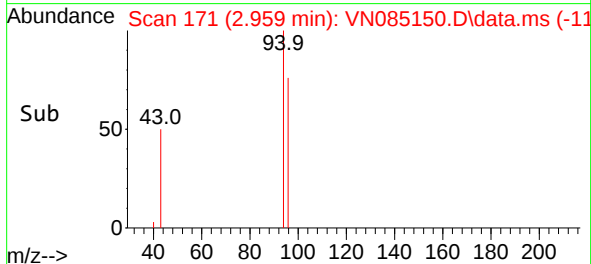
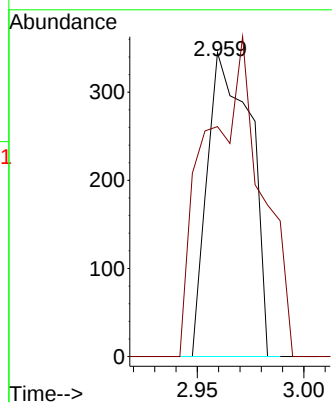
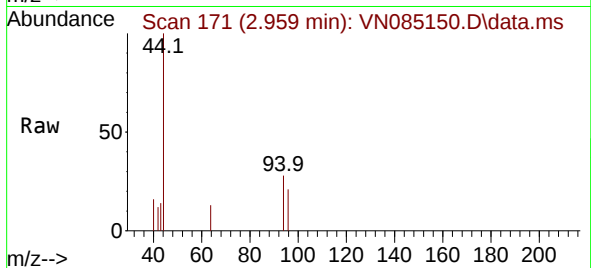




#5
Bromomethane
Concen: 0.508 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN085150.D
Acq: 09 Dec 2024 14:10

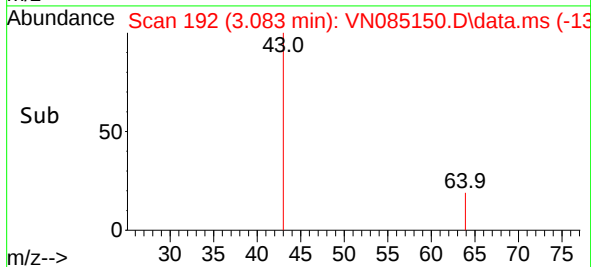
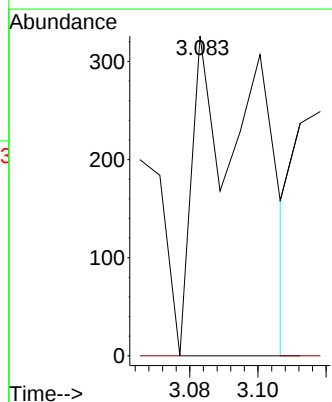
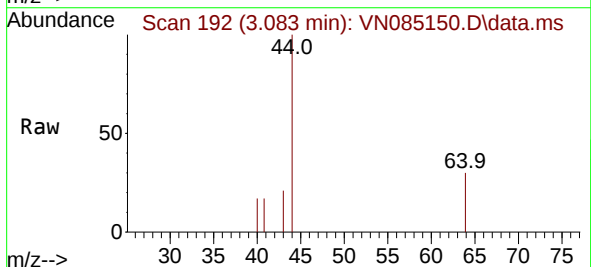
Instrument :
MSVOA_N
ClientSampleId :
MH-A

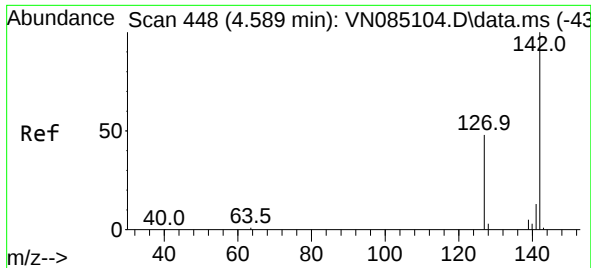
Tgt Ion: 94 Resp: 486
Ion Ratio Lower Upper
94 100
96 75.7 78.7 118.1#



#6
Chloroethane
Concen: 0.364 ug/l
RT: 3.083 min Scan# 192
Delta R.T. 0.018 min
Lab File: VN085150.D
Acq: 09 Dec 2024 14:10

Tgt Ion: 64 Resp: 419
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#

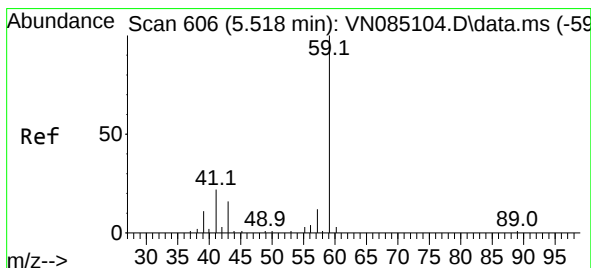
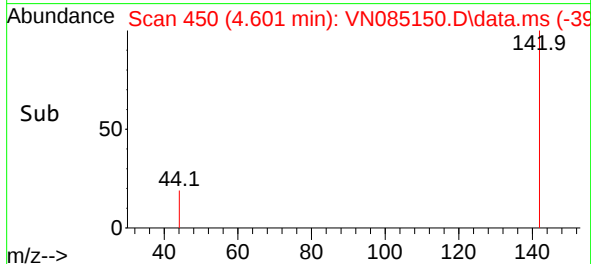
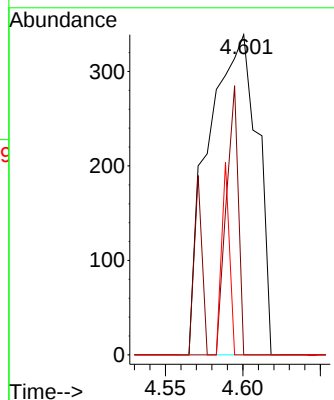
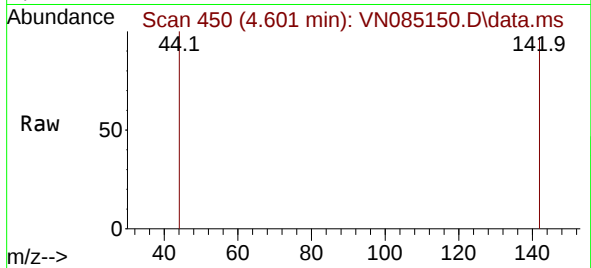




#10
Methyl Iodide
Concen: 0.342 ug/l
RT: 4.601 min Scan# 410
Delta R.T. 0.029 min
Lab File: VN085150.D
Acq: 09 Dec 2024 14:10

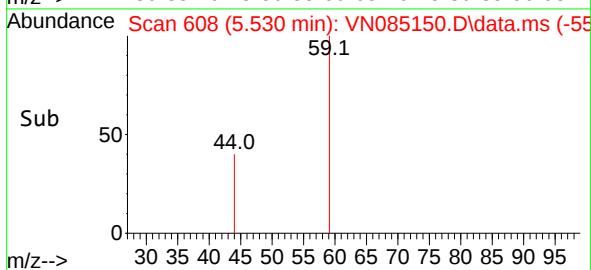
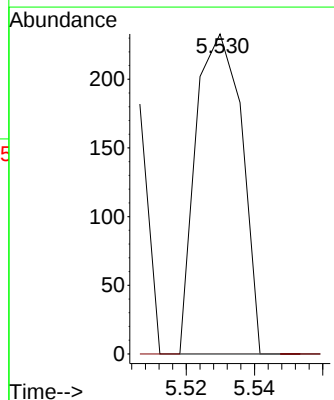
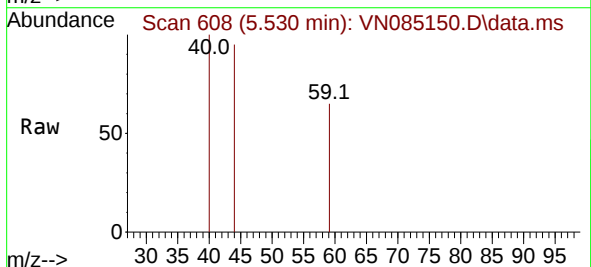
Instrument :
MSVOA_N
ClientSampleId :
MH-A

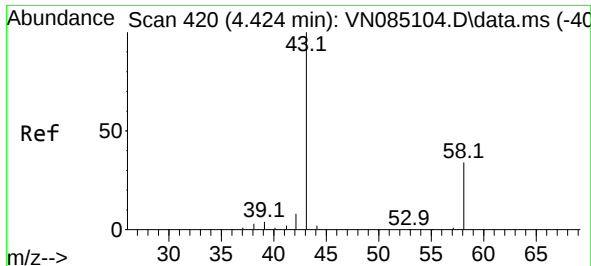
Tgt Ion:142 Resp: 746
Ion Ratio Lower Upper
142 100
127 0.0 36.6 54.8#
141 0.0 12.2 18.4#



#11
Tert butyl alcohol
Concen: 0.791 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.012 min
Lab File: VN085150.D
Acq: 09 Dec 2024 14:10

Tgt Ion: 59 Resp: 218
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

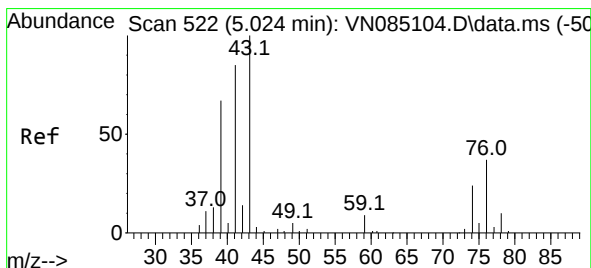
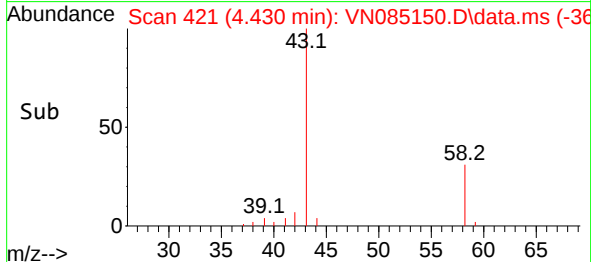
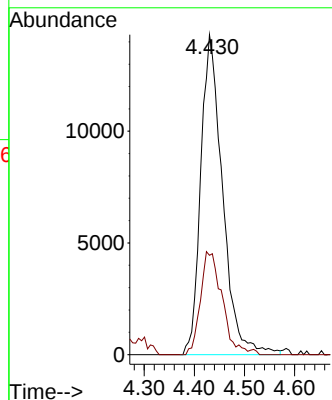
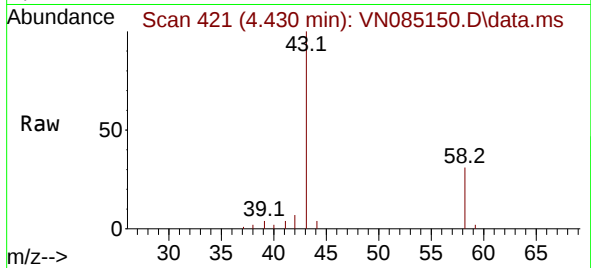




#16
Acetone
Concen: 72.120 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN085150.D
Acq: 09 Dec 2024 14:10

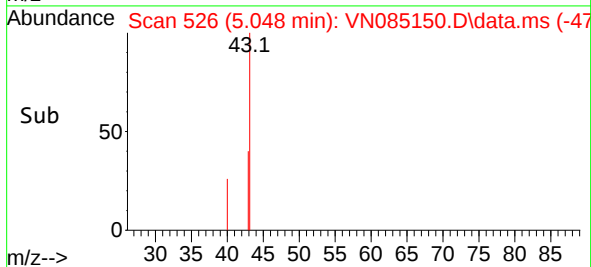
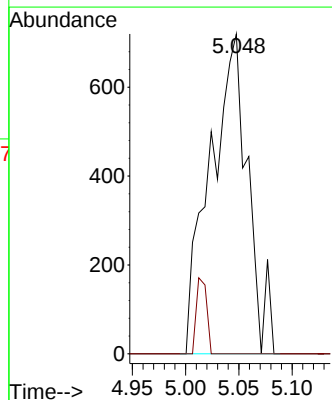
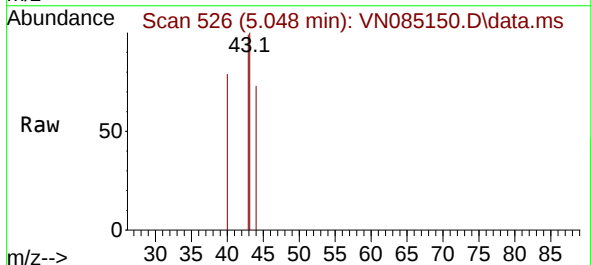
Instrument :
MSVOA_N
ClientSampleId :
MH-A

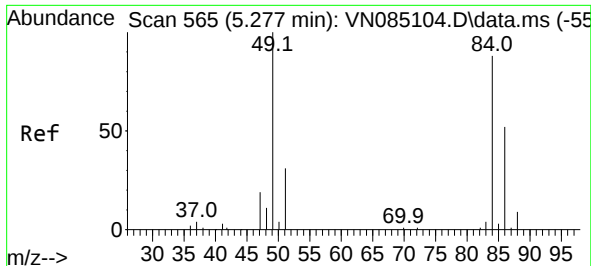
Tgt Ion: 43 Resp: 43304
Ion Ratio Lower Upper
43 100
58 31.1 25.4 38.2



#18
Methyl Acetate
Concen: Below Cal
RT: 5.048 min Scan# 526
Delta R.T. 0.029 min
Lab File: VN085150.D
Acq: 09 Dec 2024 14:10

Tgt Ion: 43 Resp: 1769
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#

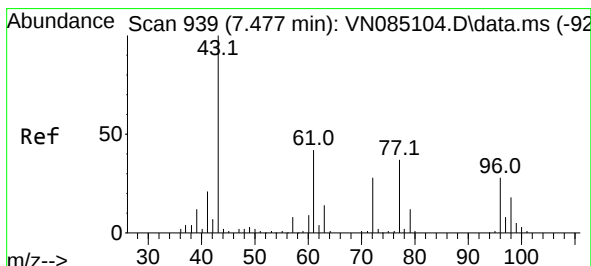
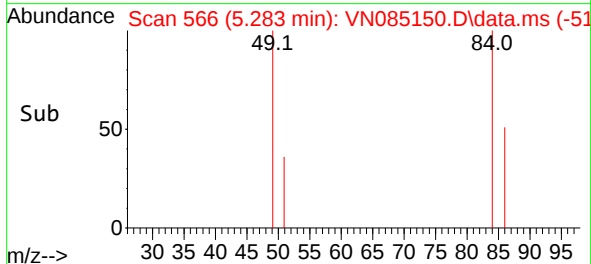
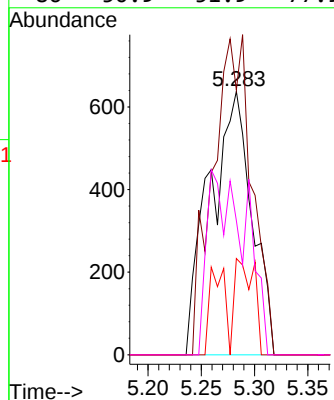
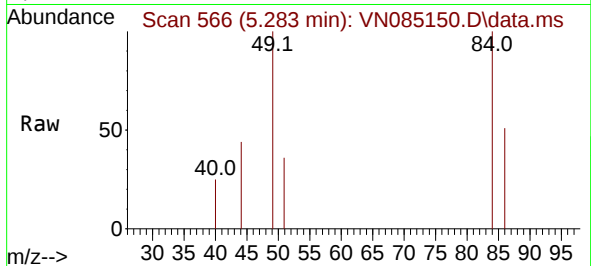




#20
Methylene Chloride
Concen: 0.969 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN085150.D
Acq: 09 Dec 2024 14:10

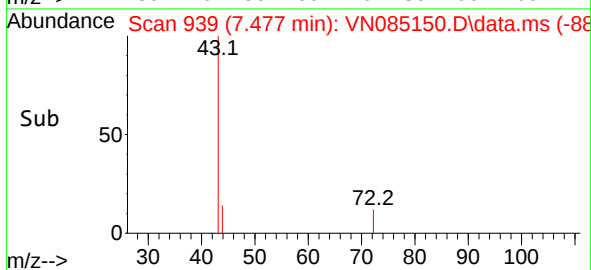
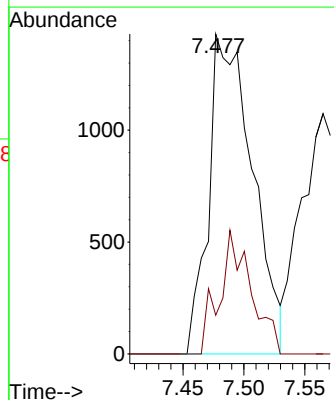
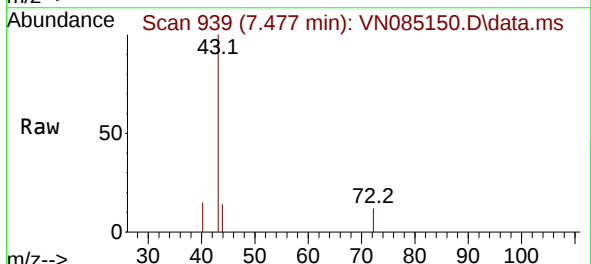
Instrument :
MSVOA_N
ClientSampleId :
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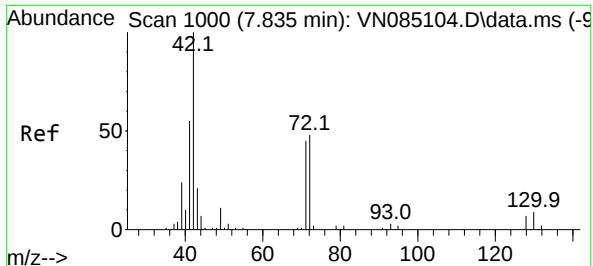
Tgt Ion: 84	Resp: 1776
Ion Ratio	Lower Upper
84 100	
49 100.5	92.7 139.1
51 36.5	29.4 44.2
86 50.9	51.9 77.9#



#25
2-Butanone
Concen: 3.635 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN085150.D
Acq: 09 Dec 2024 14:10

Tgt Ion: 43	Resp: 3568		
Ion Ratio	Lower	Upper	
43 100			
72 12.1	21.4	32.0	#





#29

Tetrahydrofuran

Concen: 0.444 ug/l

RT: 7.853 min Scan# 1065

Delta R.T. 0.018 min

Lab File: VN085150.D

Acq: 09 Dec 2024 14:10

Instrument :

MSVOA_N

ClientSampleId :

MH-A

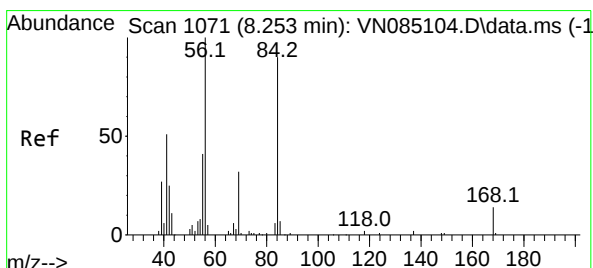
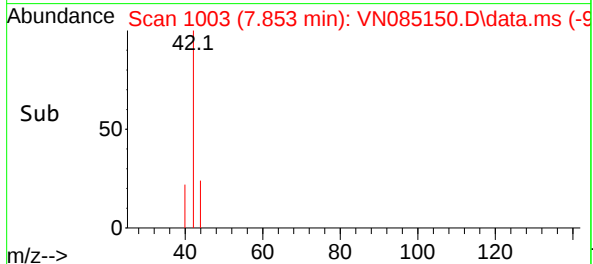
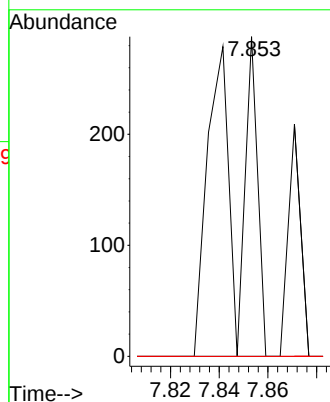
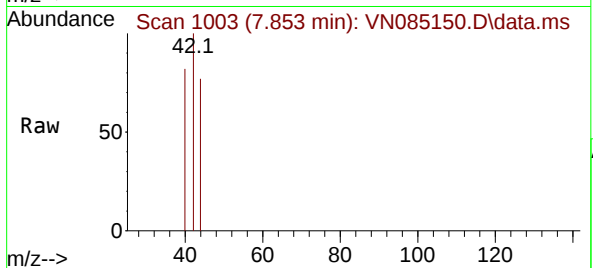
Tgt Ion: 42 Resp: 271

Ion Ratio Lower Upper

42 100

72 0.0 37.0 55.4#

71 0.0 35.0 52.4#



#31

Cyclohexane

Concen: 1.066 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN085150.D

Acq: 09 Dec 2024 14:10

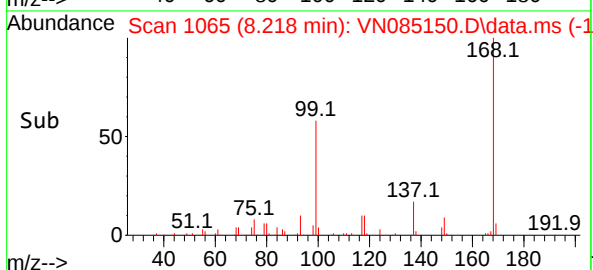
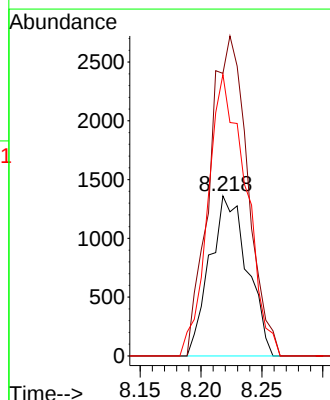
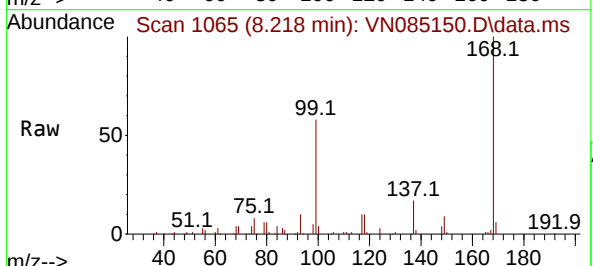
Tgt Ion: 56 Resp: 2928

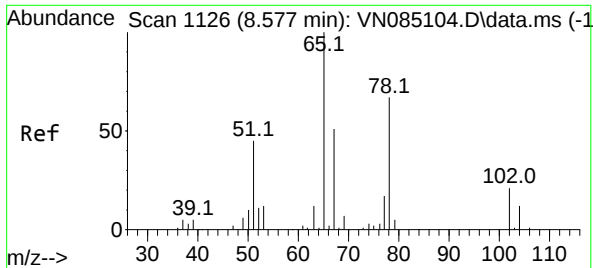
Ion Ratio Lower Upper

56 100

69 176.6 24.6 36.8#

84 175.9 71.4 107.2#

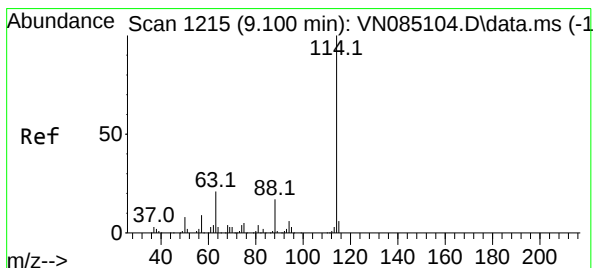
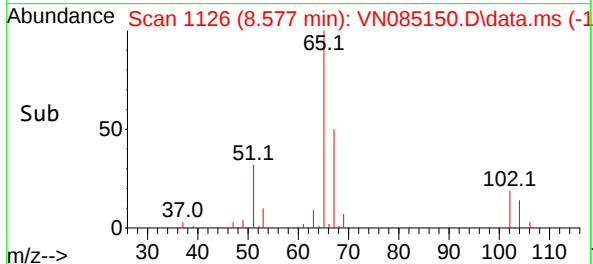
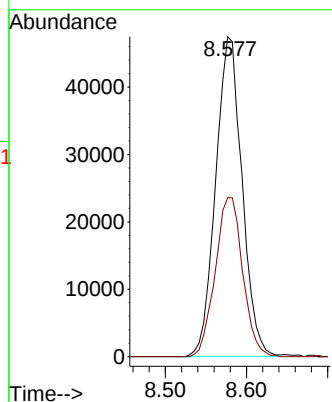
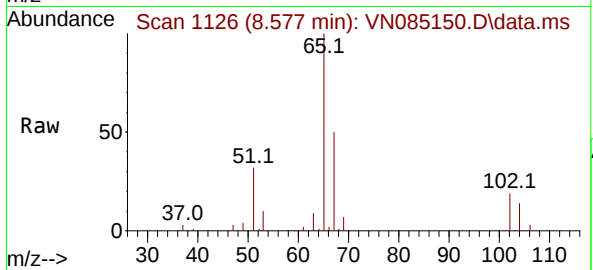




#33
 1,2-Dichloroethane-d4
 Concen: 52.019 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. 0.006 min
 Lab File: VN085150.D
 Acq: 09 Dec 2024 14:10

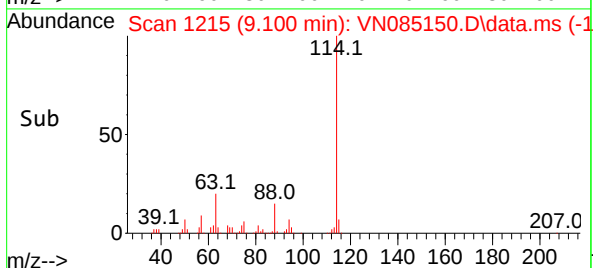
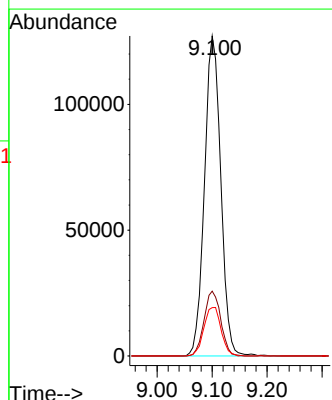
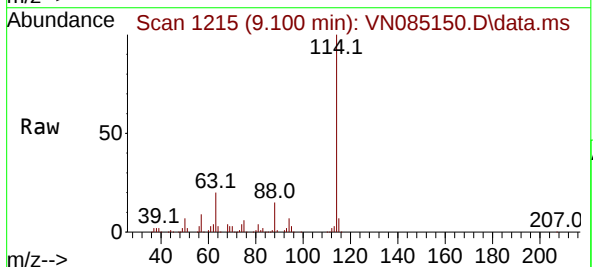
Instrument :
 MSVOA_N
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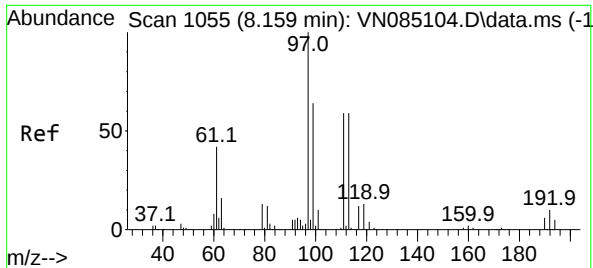
Tgt Ion: 65 Resp: 107246
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.006 min
 Lab File: VN085150.D
 Acq: 09 Dec 2024 14:10

Tgt Ion: 114 Resp: 262363
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.0
 88 15.1 0.0 34.8

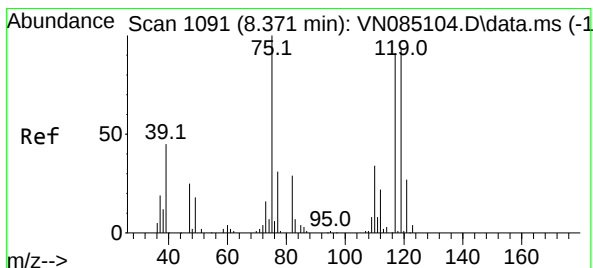
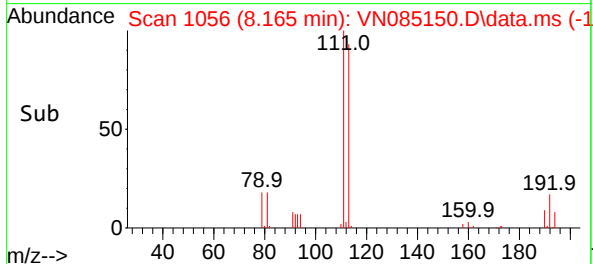
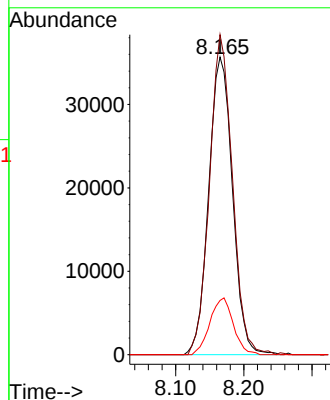
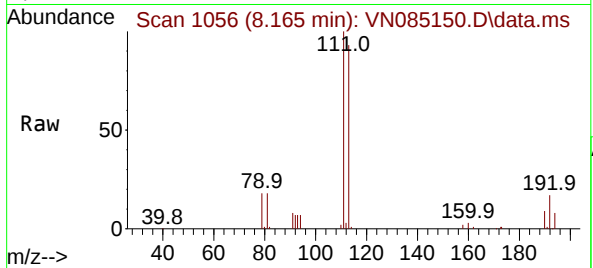




#35
Dibromofluoromethane
Concen: 49.001 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085150.D
Acq: 09 Dec 2024 14:10

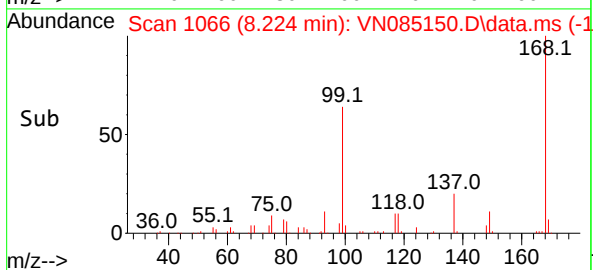
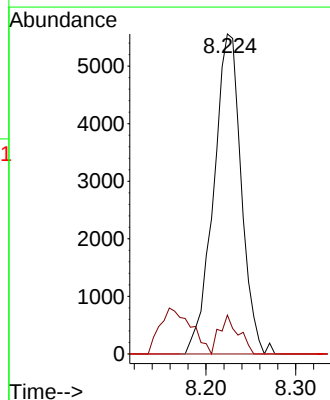
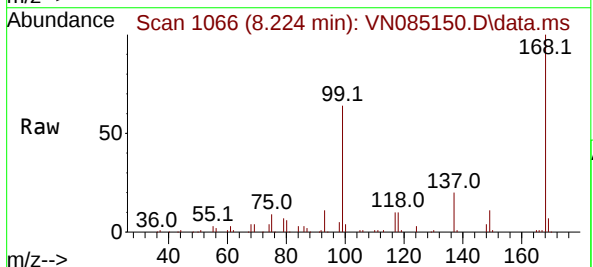
Instrument :
MSVOA_N
ClientSampleId :
MH-A

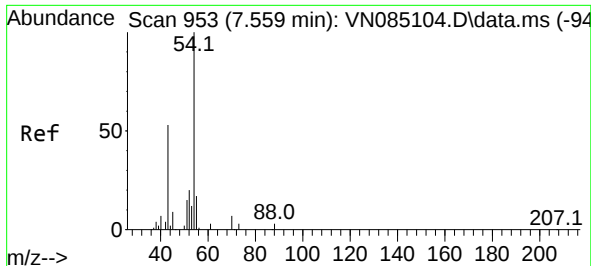
Tgt Ion:113 Resp: 86697
Ion Ratio Lower Upper
113 100
111 103.4 82.0 123.0
192 18.7 14.8 22.2



#36
1,1-Dichloropropene
Concen: 4.969 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN085150.D
Acq: 09 Dec 2024 14:10

Tgt Ion: 75 Resp: 11909
Ion Ratio Lower Upper
75 100
110 8.3 17.2 51.6#
77 0.0 24.2 36.4#





#37

Ethyl Acetate

Concen: 1.218 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN085150.D

Acq: 09 Dec 2024 14:10

Instrument :

MSVOA_N

ClientSampleId :

MH-A

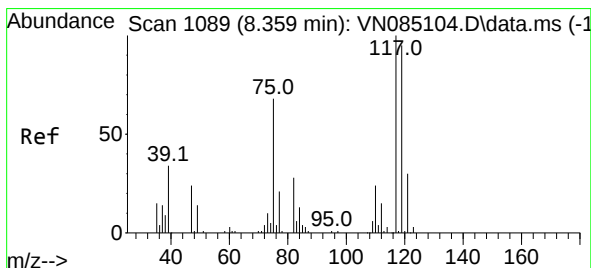
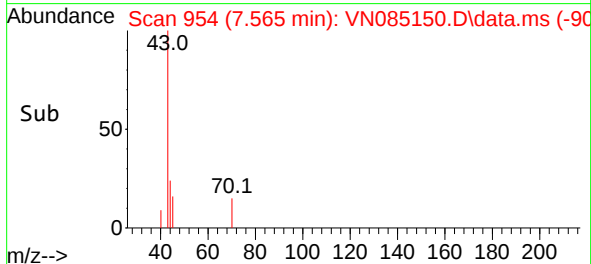
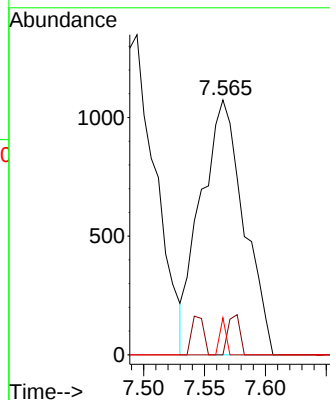
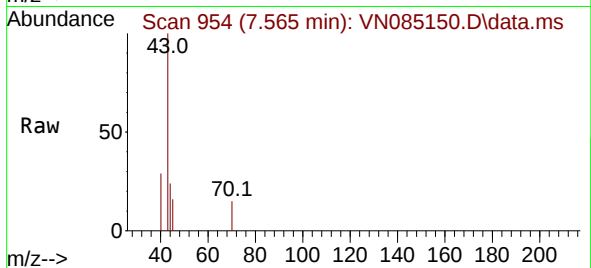
Tgt Ion: 43 Resp: 2653

Ion Ratio Lower Upper

43 100

61 4.3 11.7 17.5#

70 2.1 9.3 13.9#



#38

Carbon Tetrachloride

Concen: 5.522 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.124 min

Lab File: VN085150.D

Acq: 09 Dec 2024 14:10

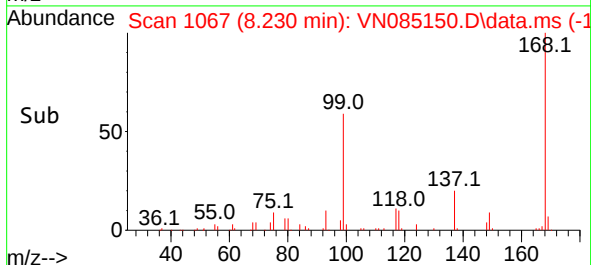
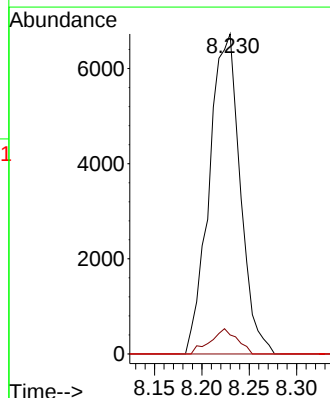
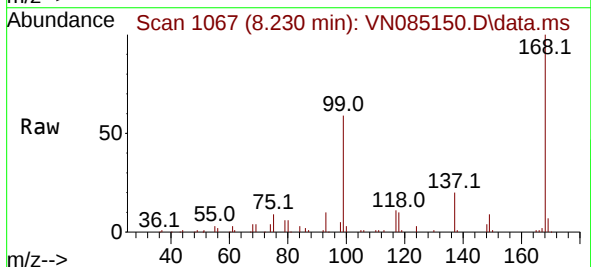
Tgt Ion: 117 Resp: 15275

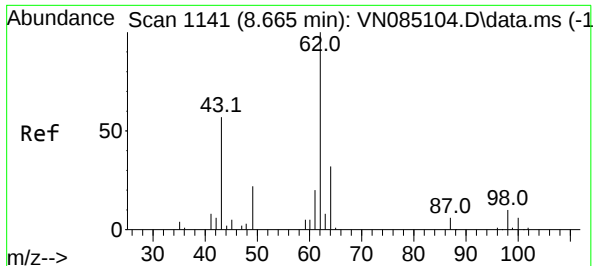
Ion Ratio Lower Upper

117 100

119 5.9 78.6 117.8#

121 0.0 24.2 36.2#





#42

1,2-Dichloroethane

Concen: 0.295 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.024 min

Lab File: VN085150.D

Acq: 09 Dec 2024 14:10

Instrument :

MSVOA_N

ClientSampleId :

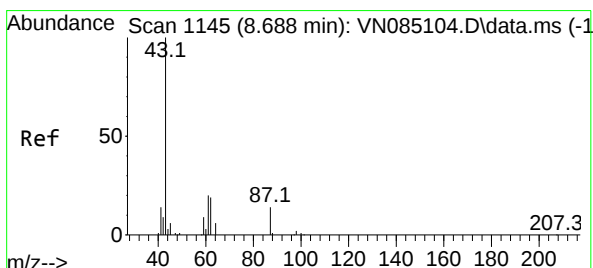
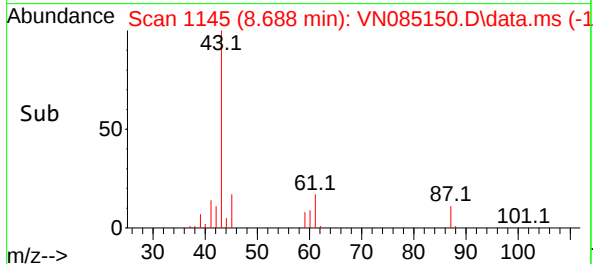
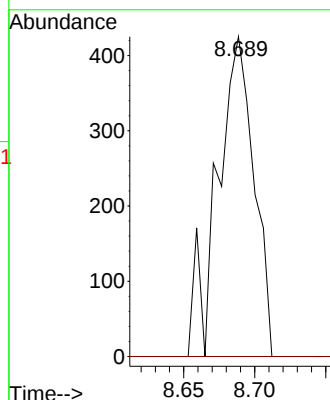
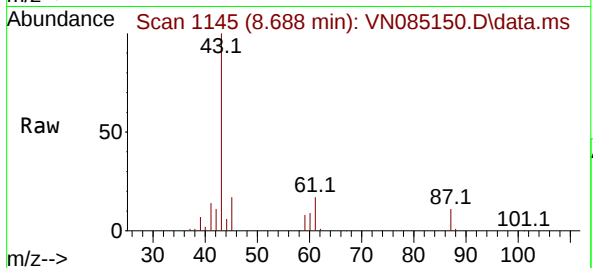
MH-A

Tgt Ion: 62 Resp: 765

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 38.686 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN085150.D

Acq: 09 Dec 2024 14:10

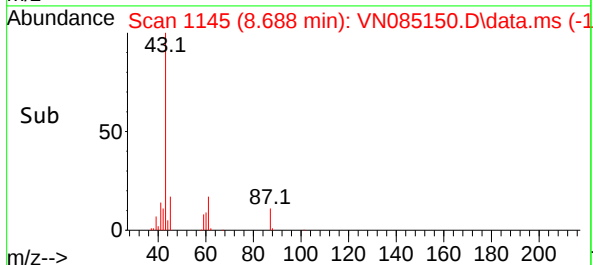
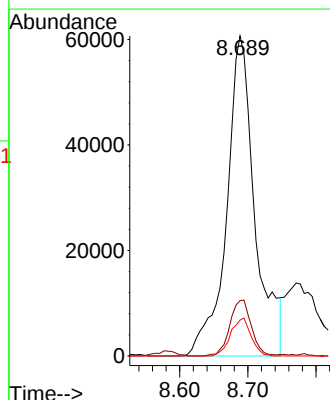
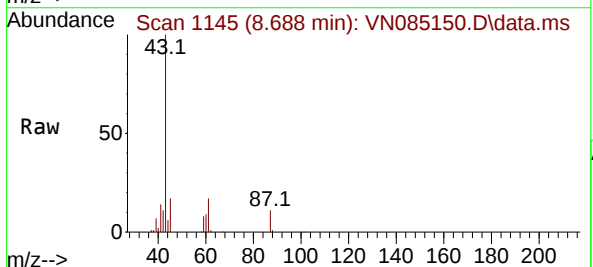
Tgt Ion: 43 Resp: 175072

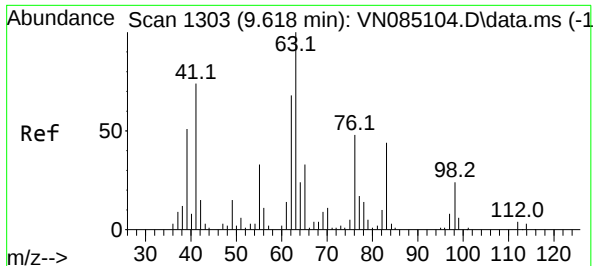
Ion Ratio Lower Upper

43 100

61 13.3 20.6 30.8#

87 8.5 11.0 16.4#

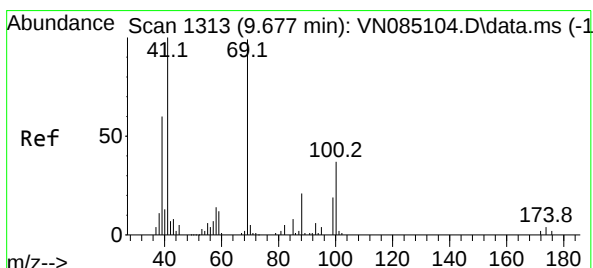
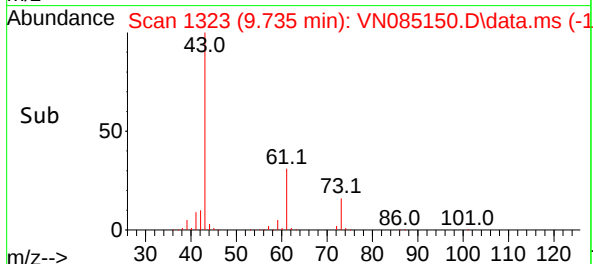
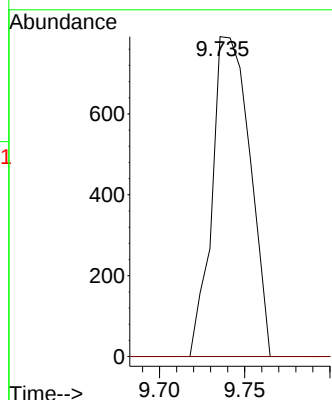
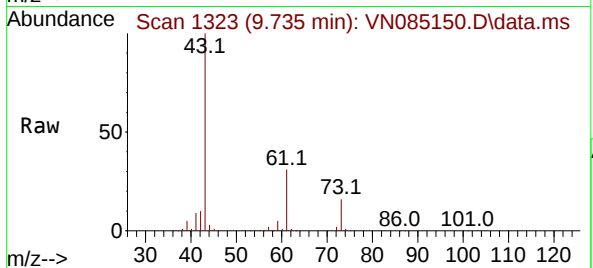




#45
1,2-Dichloropropane
Concen: 0.655 ug/l
RT: 9.735 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN085150.D
Acq: 09 Dec 2024 14:10

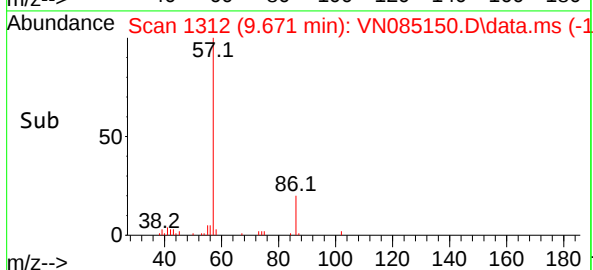
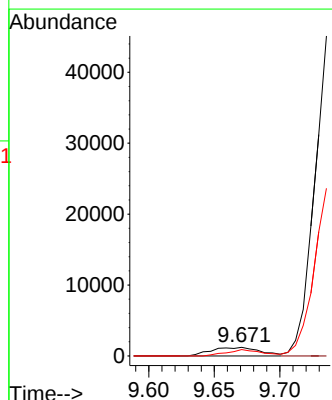
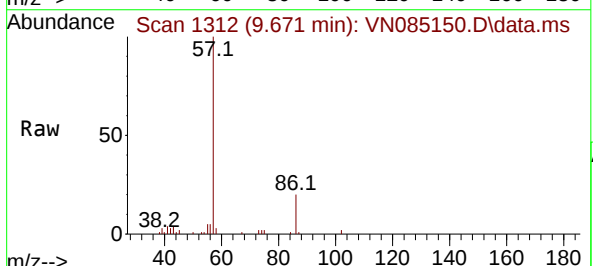
Instrument :
MSVOA_N
ClientSampleId :
MH-A

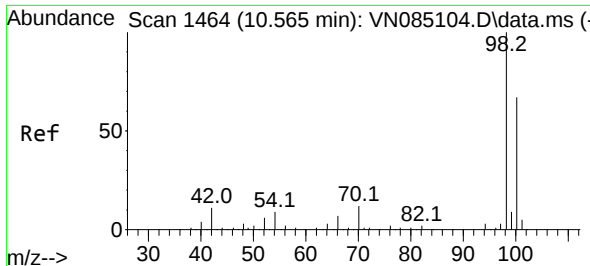
Tgt Ion: 63 Resp: 1223
Ion Ratio Lower Upper
63 100
65 0.0 24.0 36.0#



#48
Methyl methacrylate
Concen: 1.865 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.006 min
Lab File: VN085150.D
Acq: 09 Dec 2024 14:10

Tgt Ion: 41 Resp: 3141
Ion Ratio Lower Upper
41 100
69 0.0 73.2 109.8#
39 52.8 46.2 69.4

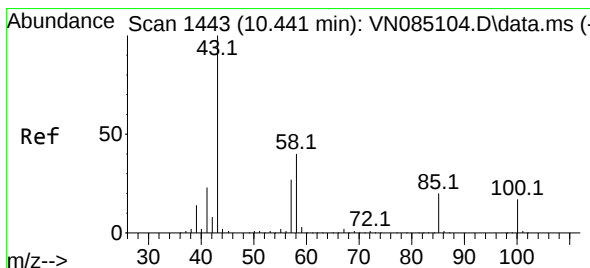
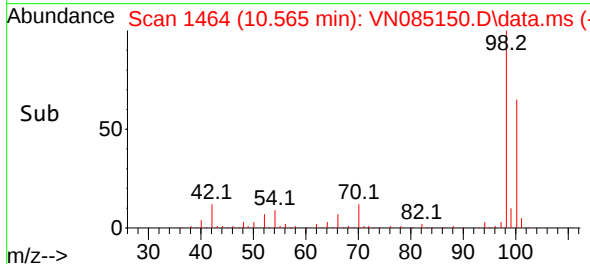
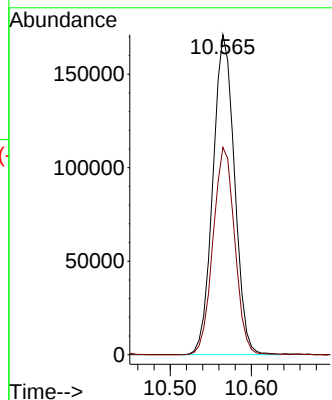
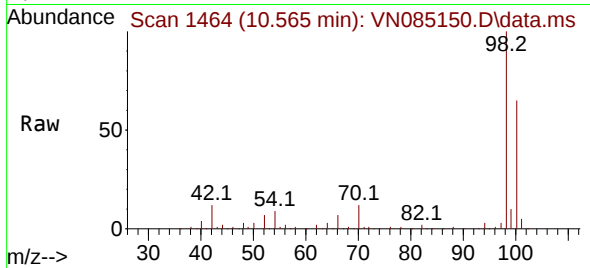




#50
Toluene-d8
Concen: 49.915 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085150.D
Acq: 09 Dec 2024 14:10

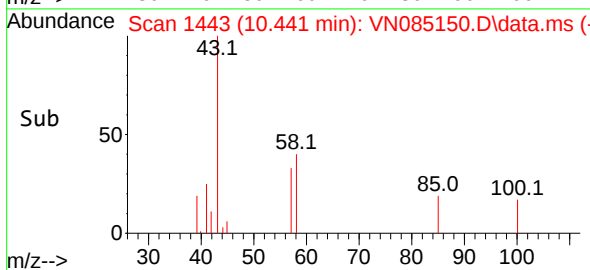
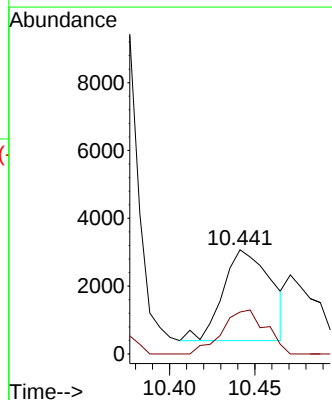
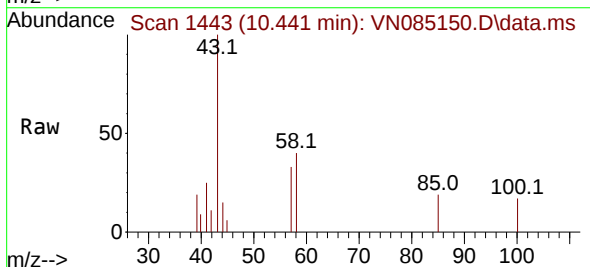
Instrument :
MSVOA_N
ClientSampleId :
MH-A

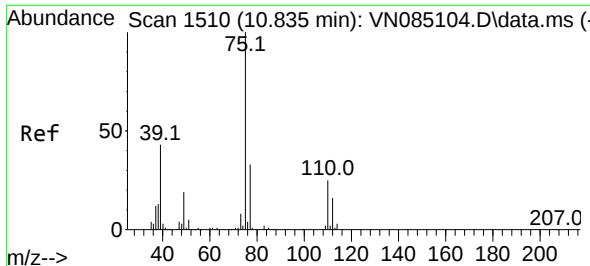
Tgt Ion: 98 Resp: 316499
Ion Ratio Lower Upper
98 100
100 65.2 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 2.528 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085150.D
Acq: 09 Dec 2024 14:10

Tgt Ion: 43 Resp: 5225
Ion Ratio Lower Upper
43 100
58 44.3 32.1 48.1

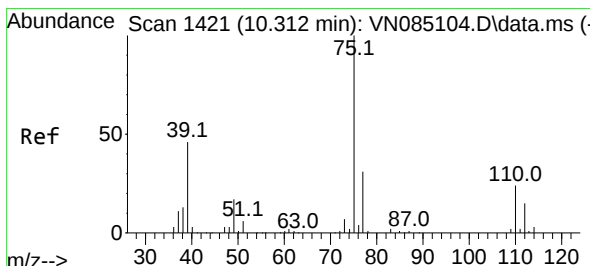
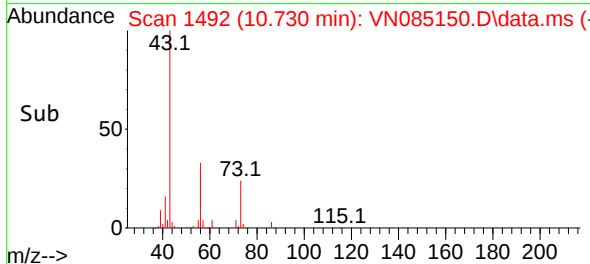
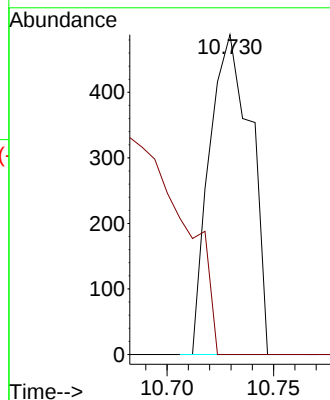
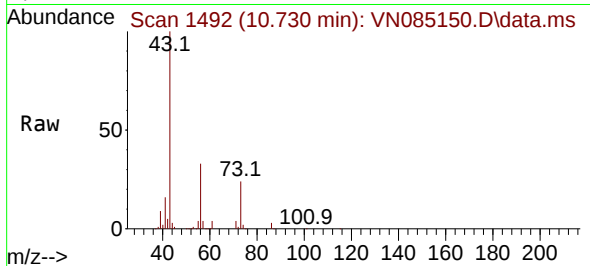




#53
t-1,3-Dichloropropene
Concen: 0.239 ug/l
RT: 10.730 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN085150.D
Acq: 09 Dec 2024 14:10

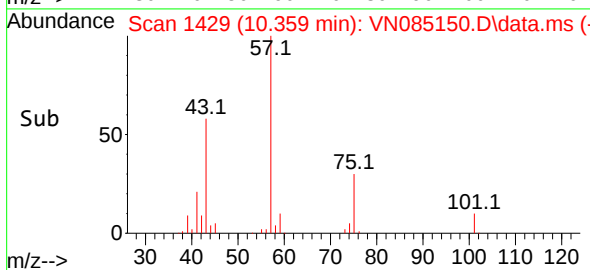
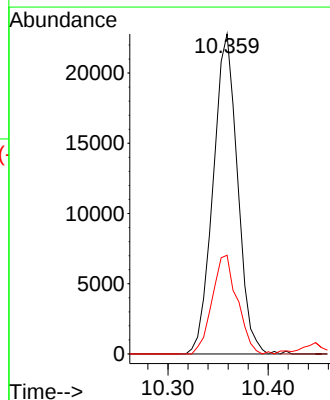
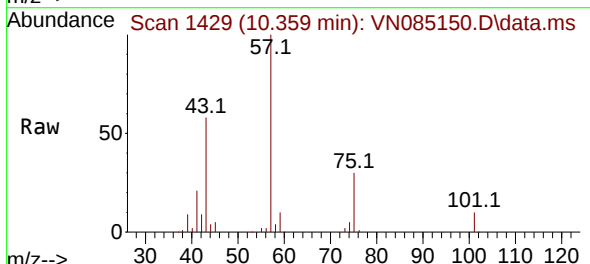
Instrument :
MSVOA_N
ClientSampleId :
MH-A

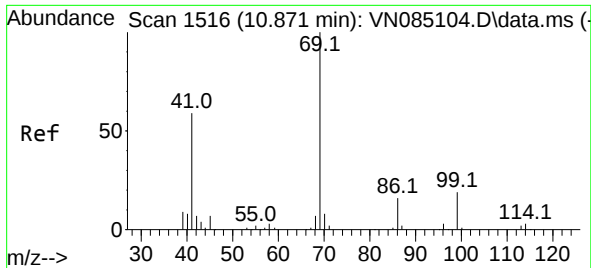
Tgt Ion: 75 Resp: 660
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#



#54
cis-1,3-Dichloropropene
Concen: 13.155 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.053 min
Lab File: VN085150.D
Acq: 09 Dec 2024 14:10

Tgt Ion: 75 Resp: 38468
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 30.9 37.6 56.4#

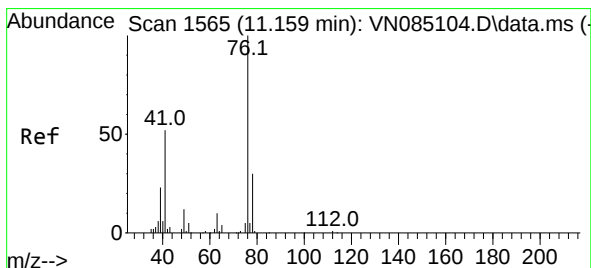
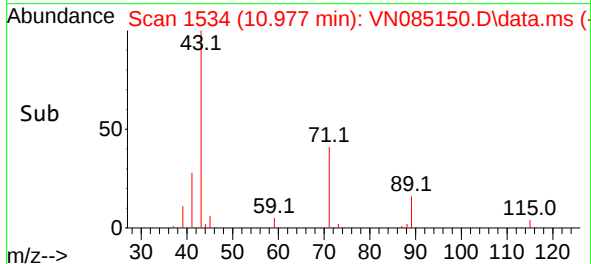
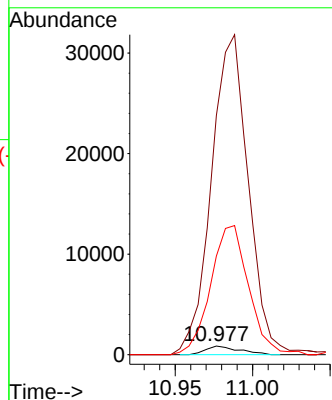
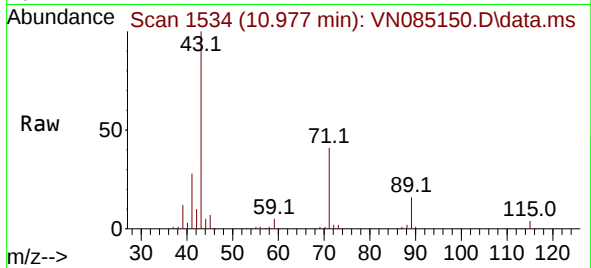




#56
Ethyl methacrylate
Concen: 0.529 ug/l
RT: 10.977 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN085150.D
Acq: 09 Dec 2024 14:10

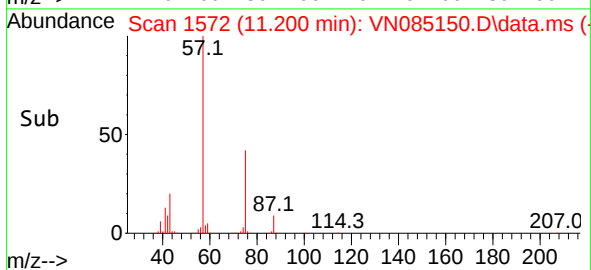
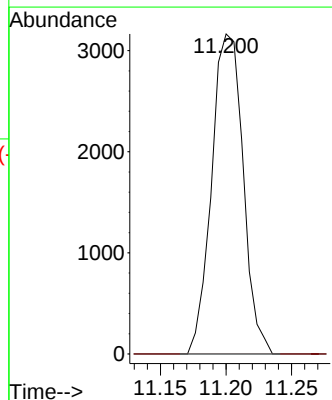
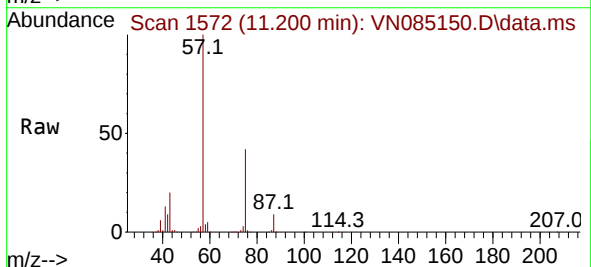
Instrument :
MSVOA_N
ClientSampleId :
MH-A

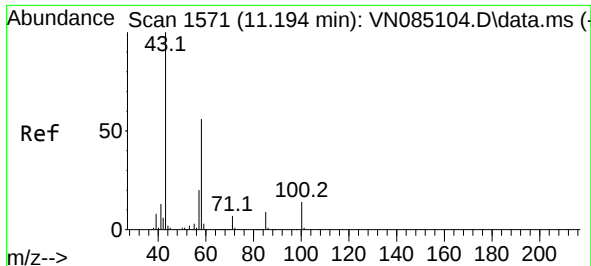
Tgt Ion: 69 Resp: 1293
Ion Ratio Lower Upper
69 100
41 4098.8 50.0 75.0#
39 1694.4 27.0 40.6#



#57
1,3-Dichloropropane
Concen: 1.798 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN085150.D
Acq: 09 Dec 2024 14:10

Tgt Ion: 76 Resp: 5288
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

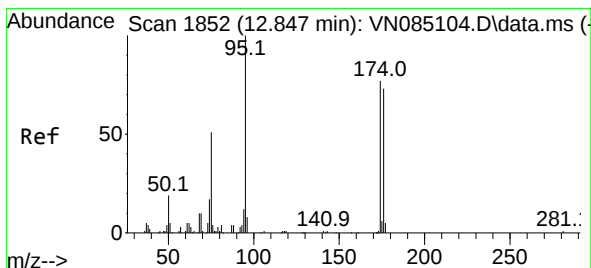
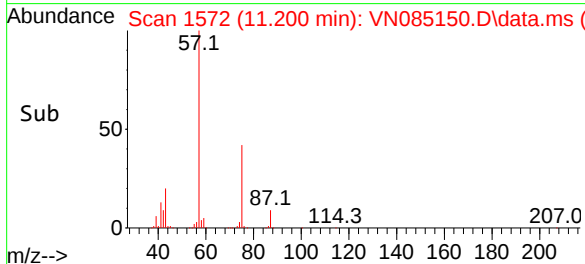
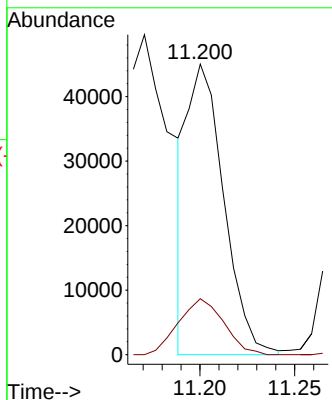
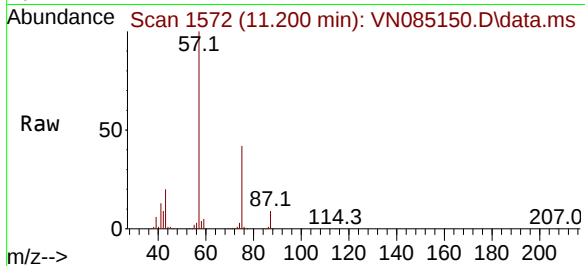




#59
2-Hexanone
Concen: 39.324 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085150.D
Acq: 09 Dec 2024 14:10

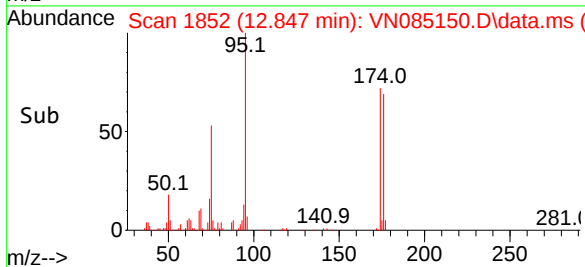
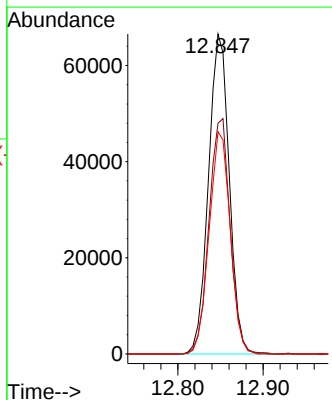
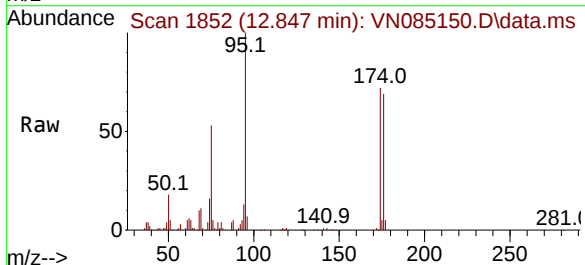
Instrument :
MSVOA_N
ClientSampleId :
MH-A

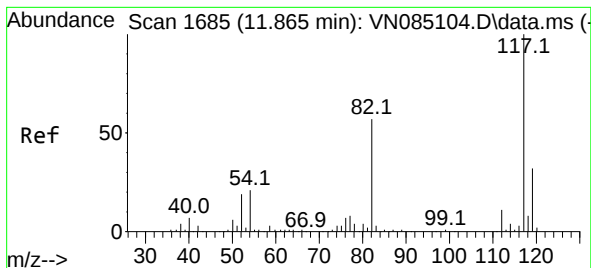
Tgt Ion: 43 Resp: 60792
Ion Ratio Lower Upper
43 100
58 23.7 28.3 85.0#



#62
4-Bromofluorobenzene
Concen: 47.474 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085150.D
Acq: 09 Dec 2024 14:10

Tgt Ion: 95 Resp: 112572
Ion Ratio Lower Upper
95 100
174 75.0 0.0 146.6
176 70.5 0.0 141.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085150.D

Acq: 09 Dec 2024 14:10

Instrument :

MSVOA_N

ClientSampleId :

MH-A

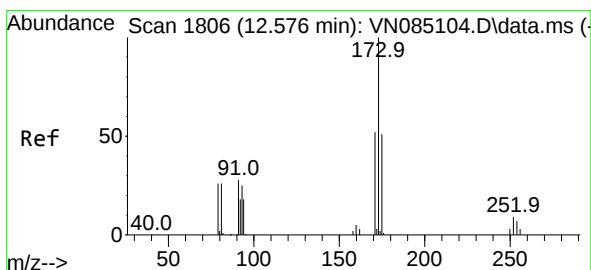
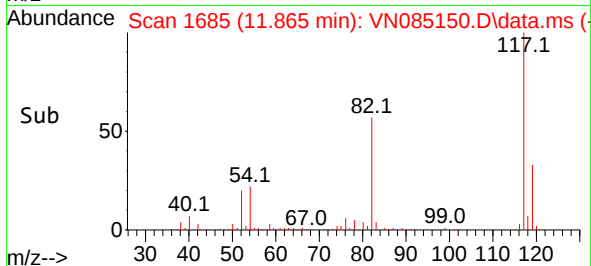
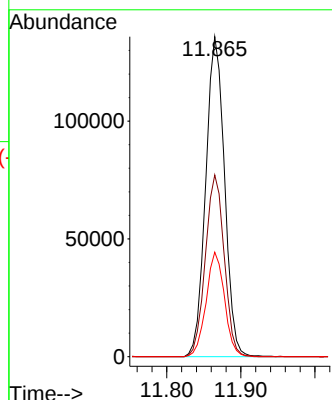
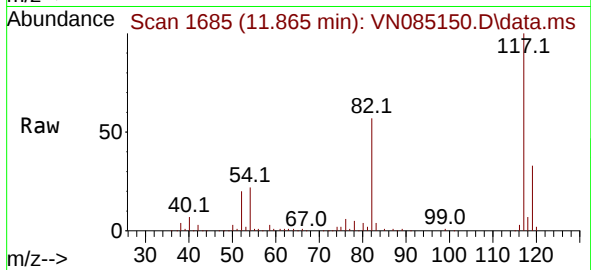
Tgt Ion:117 Resp: 239510

Ion Ratio Lower Upper

117 100

82 56.8 46.0 69.0

119 32.7 25.6 38.4



#71

Bromoform

Concen: 0.354 ug/l

RT: 12.841 min Scan# 1851

Delta R.T. 0.265 min

Lab File: VN085150.D

Acq: 09 Dec 2024 14:10

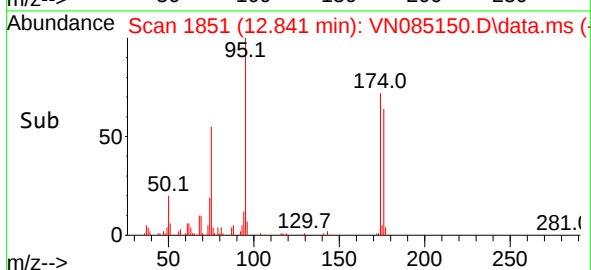
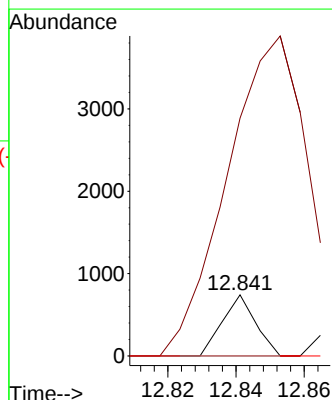
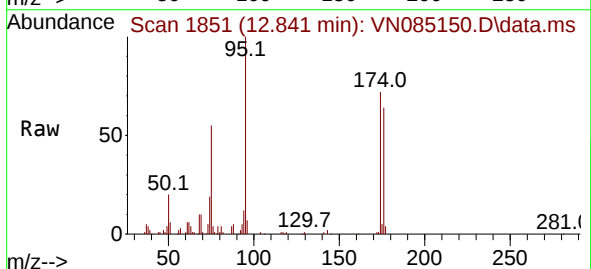
Tgt Ion:173 Resp: 502

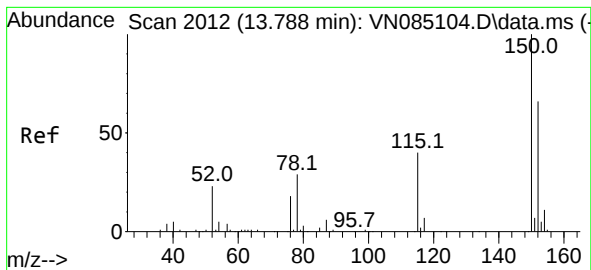
Ion Ratio Lower Upper

173 100

175 0.0 23.8 71.2#

254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN085150.D

Acq: 09 Dec 2024 14:10

Instrument :

MSVOA_N

ClientSampleId :

MH-A

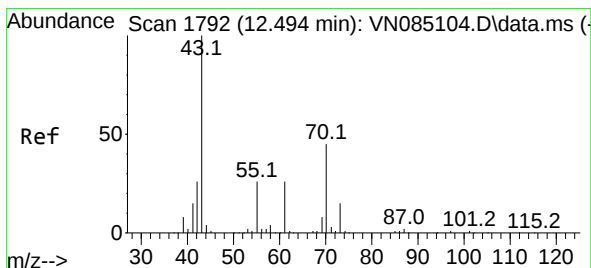
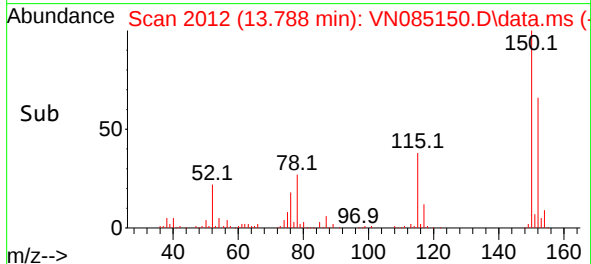
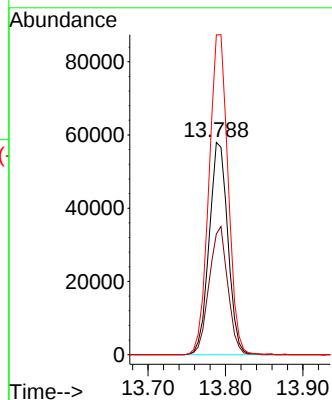
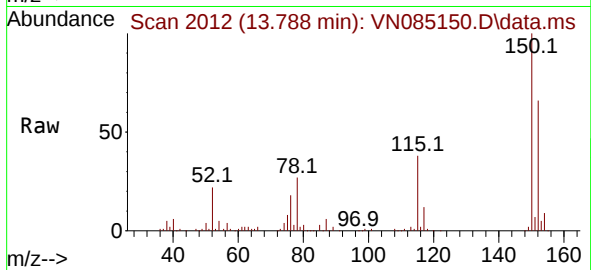
Tgt Ion:152 Resp: 97109

Ion Ratio Lower Upper

152 100

115 60.4 31.7 95.1

150 153.9 0.0 351.4



#74

N-ethyl acetate

Concen: 0.303 ug/l

RT: 12.459 min Scan# 1786

Delta R.T. -0.035 min

Lab File: VN085150.D

Acq: 09 Dec 2024 14:10

Tgt Ion: 43 Resp: 855

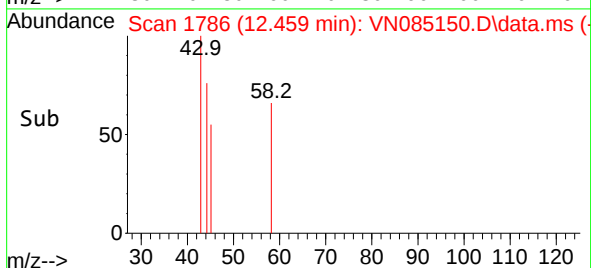
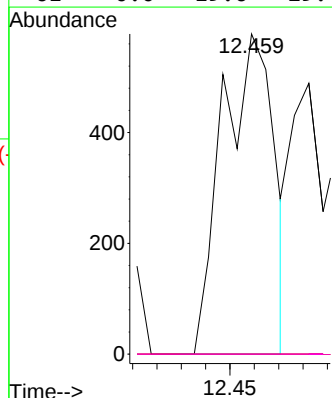
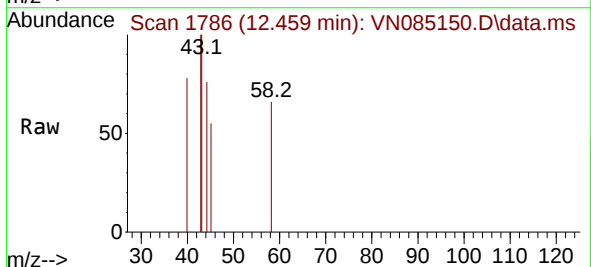
Ion Ratio Lower Upper

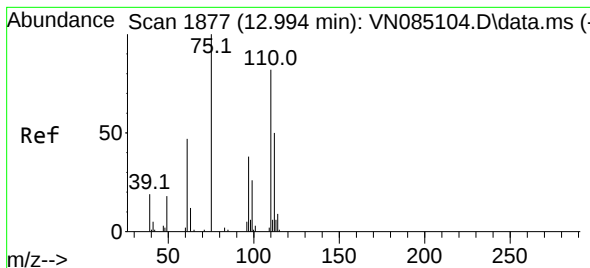
43 100

70 0.0 34.6 51.8#

55 0.0 20.5 30.7#

61 0.0 19.6 29.4#





#76

1,2,3-Trichloropropane

Concen: 34.049 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN085150.D

Acq: 09 Dec 2024 14:10

Instrument :

MSVOA_N

ClientSampleId :

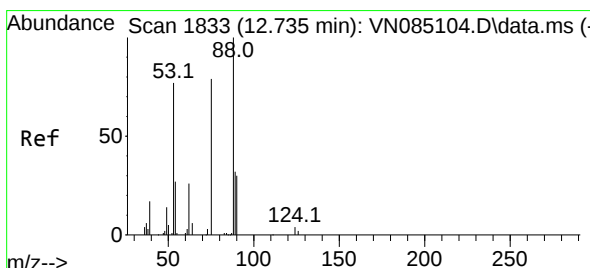
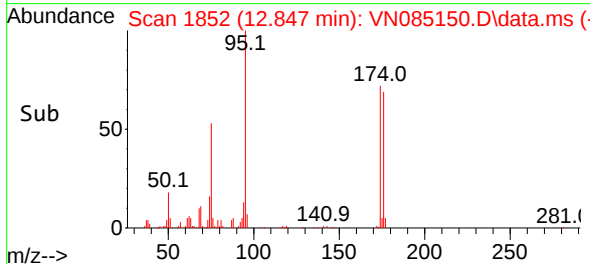
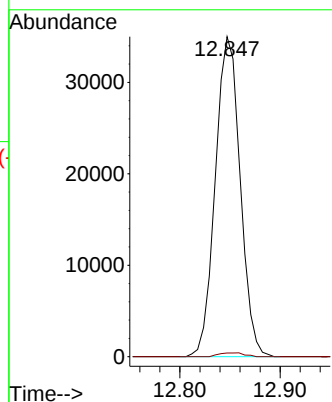
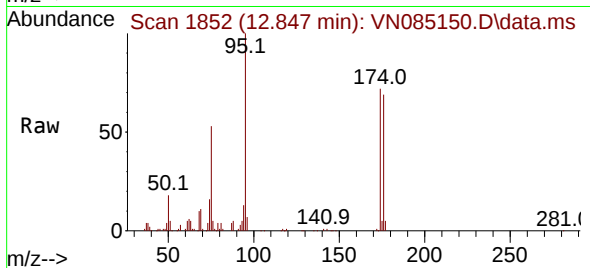
MH-A

Tgt Ion: 75 Resp: 60142

Ion Ratio Lower Upper

75 100

77 1.2 109.1 327.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 75.165 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN085150.D

Acq: 09 Dec 2024 14:10

Tgt Ion: 75 Resp: 60142

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.4#

89 0.0 37.9 56.9#

