

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
 Data File : VN083777.D
 Acq On : 11 Sep 2024 07:14
 Operator : JC\MD
 Sample : PB163204ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB163204ZHE#07

Quant Time: Sep 11 08:08:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 03:05:46 2024
 Response via : Initial Calibration

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

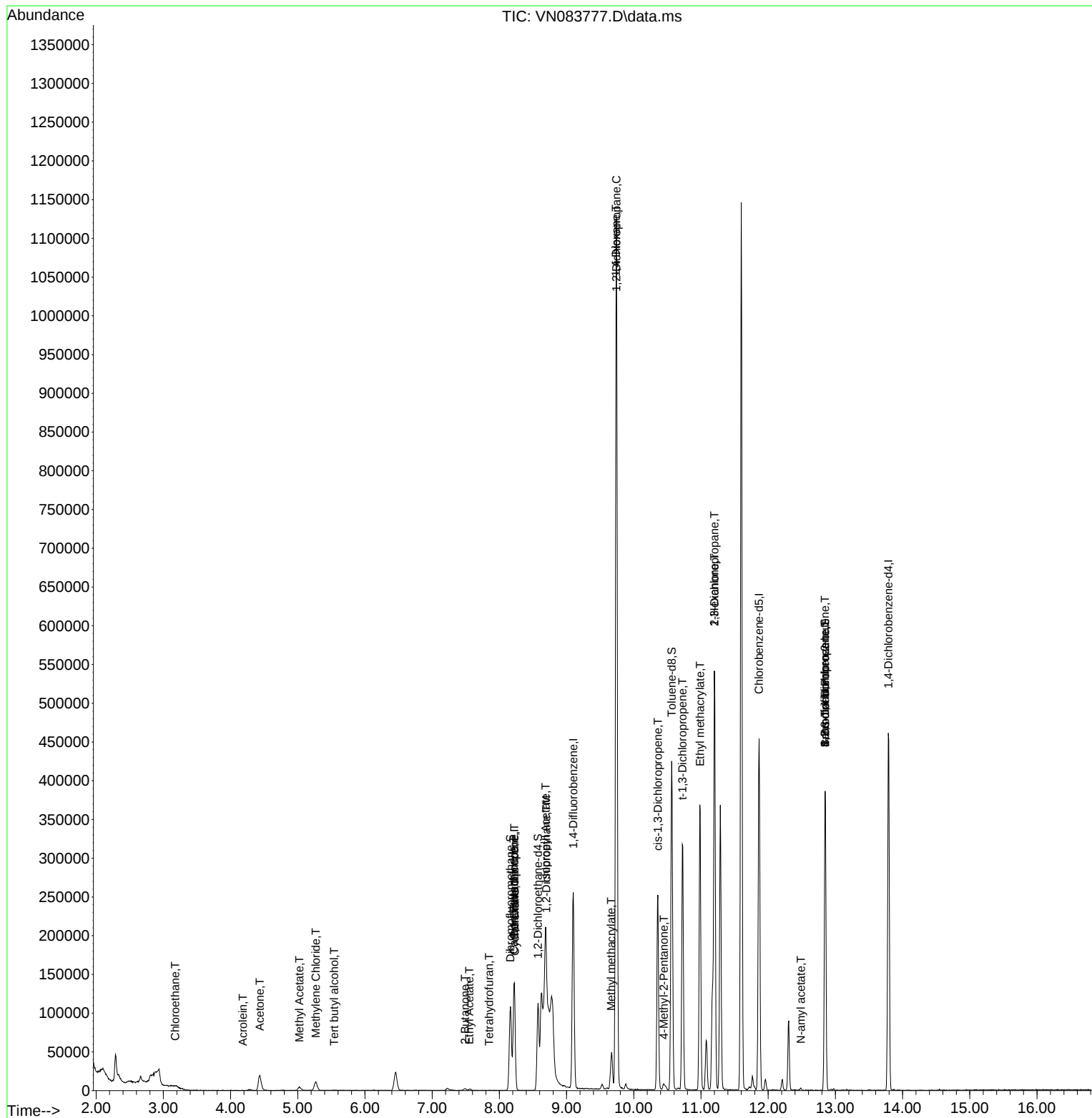
Internal Standards						
1) Pentafluorobenzene	8.224	168	93124	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	203912	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	243823	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	116853	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	94322	67.172	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 134.340%#			
35) Dibromofluoromethane	8.165	113	75958	58.187	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 116.380%			
50) Toluene-d8	10.565	98	281904	62.466	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 124.940%#			
62) 4-Bromofluorobenzene	12.847	95	131724	70.747	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 141.500%#			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	605	Below Cal	#	41
6) Chloroethane	3.177	64	6386	7.765	ug/l #	65
11) Tert butyl alcohol	5.541	59	121	0.644	ug/l #	71
13) Acrolein	4.183	56	57	0.307	ug/l #	13
16) Acetone	4.436	43	35585	63.217	ug/l	89
18) Methyl Acetate	5.024	43	9161	6.185	ug/l	92
20) Methylene Chloride	5.271	84	8530	7.405	ug/l	98
25) 2-Butanone	7.488	43	4163	5.627	ug/l #	78
29) Tetrahydrofuran	7.847	42	189	0.432	ug/l #	32
31) Cyclohexane	8.229	56	2668	1.315	ug/l #	51
36) 1,1-Dichloropropene	8.224	75	9127	4.645	ug/l #	48
37) Ethyl Acetate	7.553	43	3586	2.011	ug/l #	70
38) Carbon Tetrachloride	8.212	117	10718	4.808	ug/l #	16
42) 1,2-Dichloroethane	8.700	62	1488	0.673	ug/l #	77
43) Isopropyl Acetate	8.688	43	175390	54.268	ug/l #	84
45) 1,2-Dichloropropane	9.741	63	1214	0.849	ug/l #	42
48) Methyl methacrylate	9.665	41	3259	2.125	ug/l #	46
49) 1,4-Dioxane	9.735	88	58	2.299	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	5071	2.882	ug/l	93
53) t-1,3-Dichloropropene	10.723	75	735	0.335	ug/l #	42
54) cis-1,3-Dichloropropene	10.359	75	42450	18.400	ug/l #	67
56) Ethyl methacrylate	10.988	69	1195	0.575	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5633	2.427	ug/l #	42
59) 2-Hexanone	11.200	43	72142	55.434	ug/l #	54
71) Bromoform	12.847	173	898	0.709	ug/l #	1
74) N-amyl acetate	12.488	43	1918	0.497	ug/l #	44
76) 1,2,3-Trichloropropane	12.847	75	74727	31.693	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	74727	83.005	ug/l #	9

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

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Misc : 5.0mL/MSVOA_N/WATER
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Instrument :
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ClientSampleId :
PB163204ZHE#07

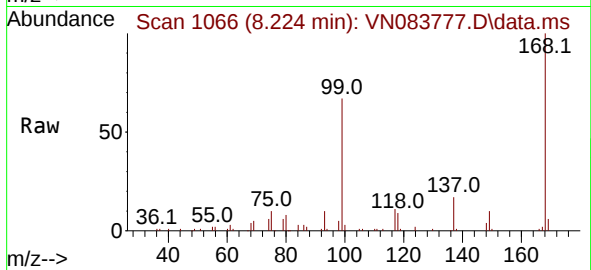
Quant Time: Sep 11 08:08:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 03:05:46 2024
Response via : Initial Calibration



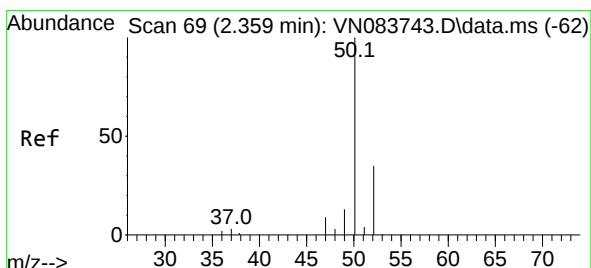
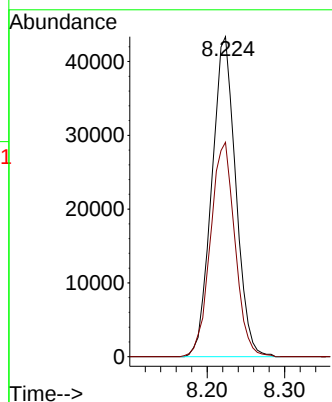
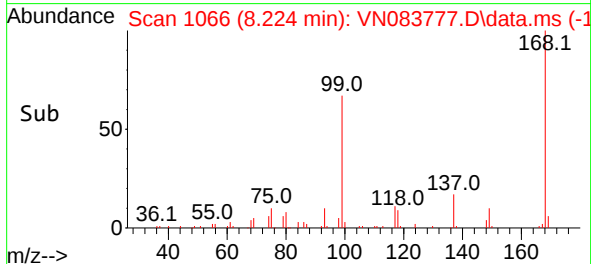


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083777.D
Acq: 11 Sep 2024 07:14

Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#07

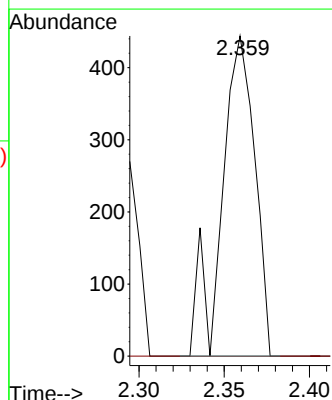
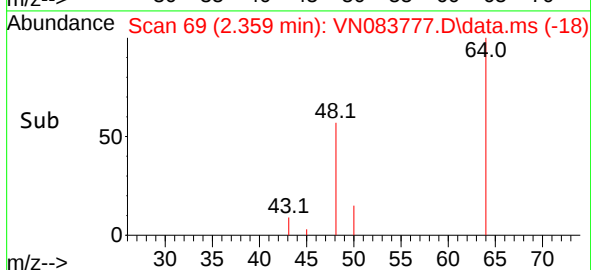
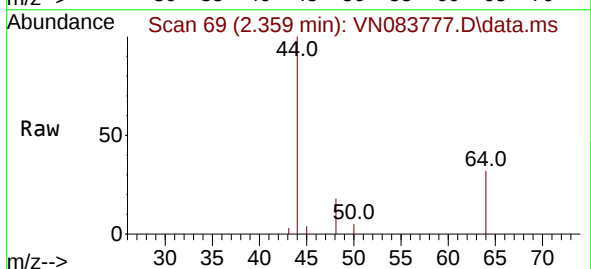


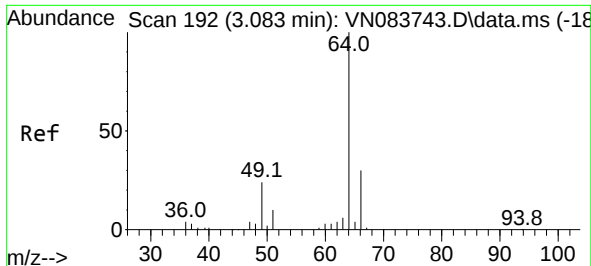
Tgt Ion:168 Resp: 93124
Ion Ratio Lower Upper
168 100
99 67.0 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083777.D
Acq: 11 Sep 2024 07:14

Tgt Ion: 50 Resp: 605
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

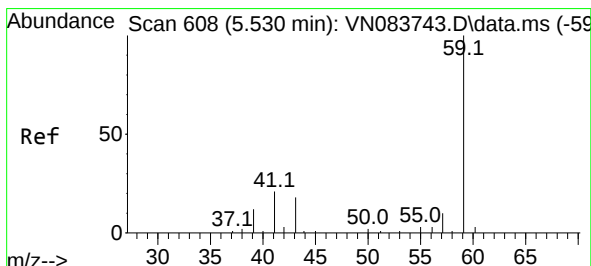
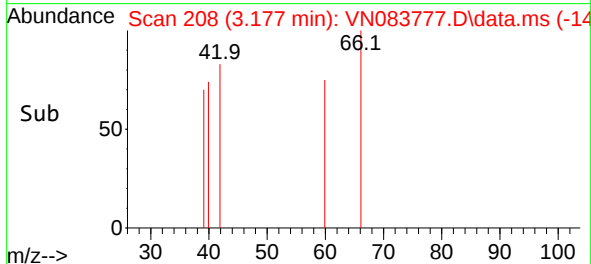
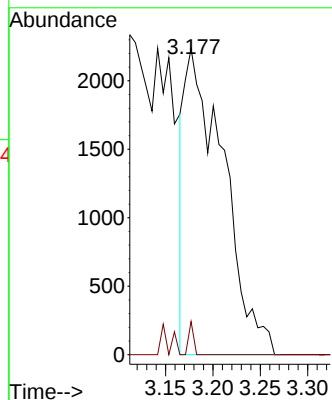
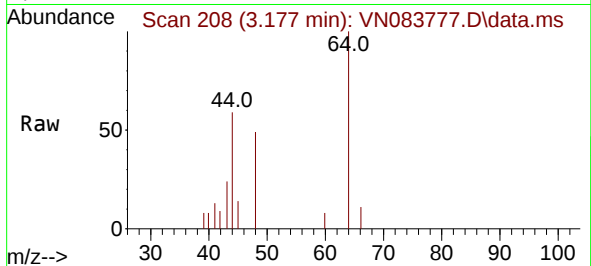




#6
Chloroethane
Concen: 7.765 ug/l
RT: 3.177 min Scan# 20
Delta R.T. 0.094 min
Lab File: VN083777.D
Acq: 11 Sep 2024 07:14

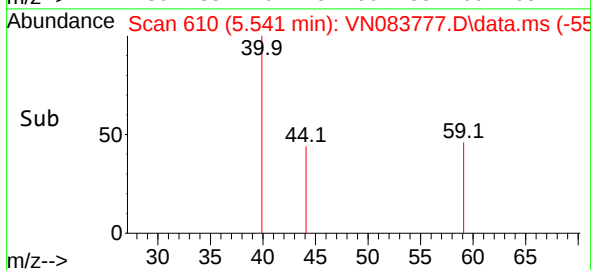
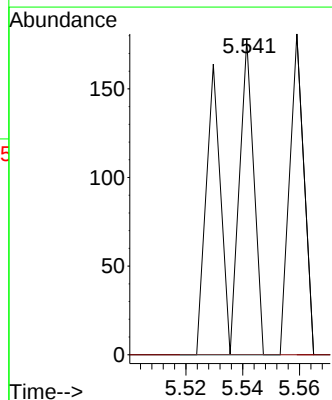
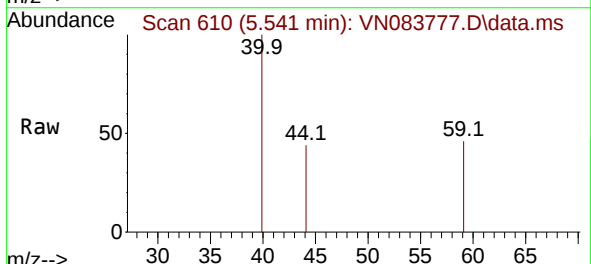
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#07

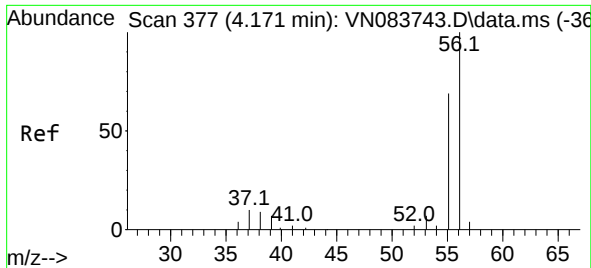
Tgt Ion: 64 Resp: 6386
Ion Ratio Lower Upper
64 100
66 10.8 23.9 35.9#



#11
Tert butyl alcohol
Concen: 0.644 ug/l
RT: 5.541 min Scan# 610
Delta R.T. 0.012 min
Lab File: VN083777.D
Acq: 11 Sep 2024 07:14

Tgt Ion: 59 Resp: 121
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#





#13

Acrolein

Concen: 0.307 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.012 min

Lab File: VN083777.D

Acq: 11 Sep 2024 07:14

Instrument :

MSVOA_N

ClientSampleId :

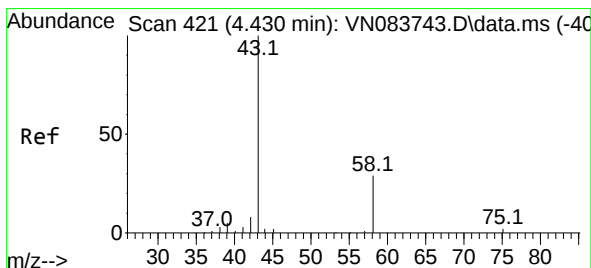
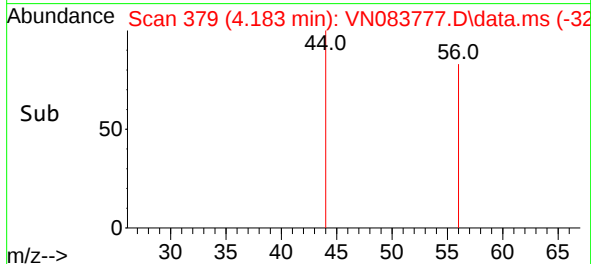
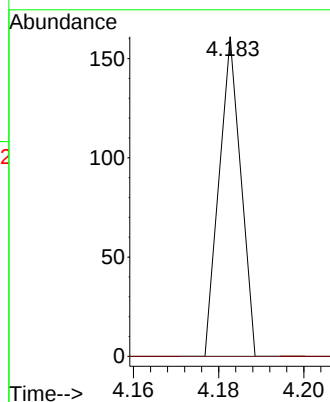
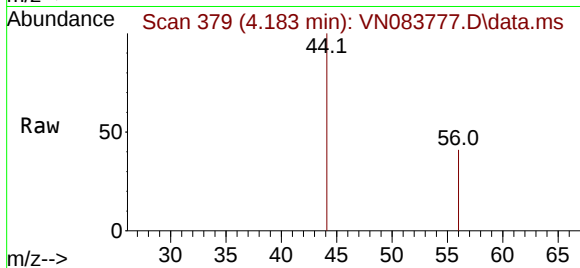
PB163204ZHE#07

Tgt Ion: 56 Resp: 57

Ion Ratio Lower Upper

56 100

55 0.0 58.2 87.2#



#16

Acetone

Concen: 63.217 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.006 min

Lab File: VN083777.D

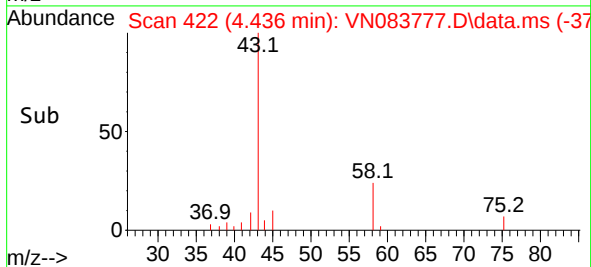
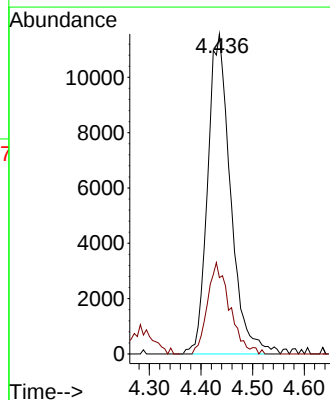
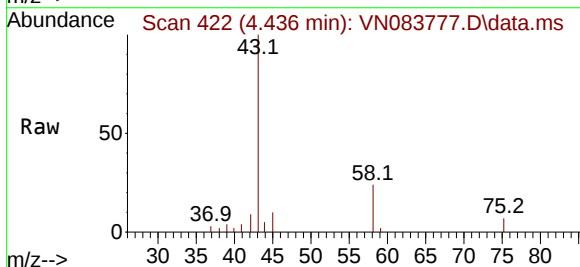
Acq: 11 Sep 2024 07:14

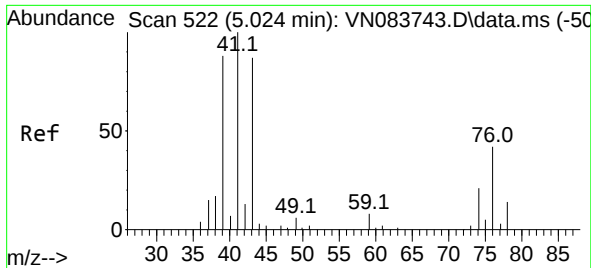
Tgt Ion: 43 Resp: 35585

Ion Ratio Lower Upper

43 100

58 23.9 23.7 35.5





#18

Methyl Acetate

Concen: 6.185 ug/l

RT: 5.024 min Scan# 51

Delta R.T. -0.000 min

Lab File: VN083777.D

Acq: 11 Sep 2024 07:14

Instrument :

MSVOA_N

ClientSampleId :

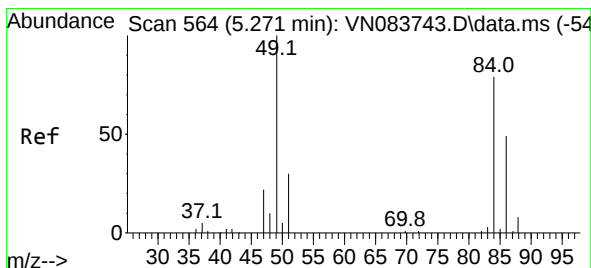
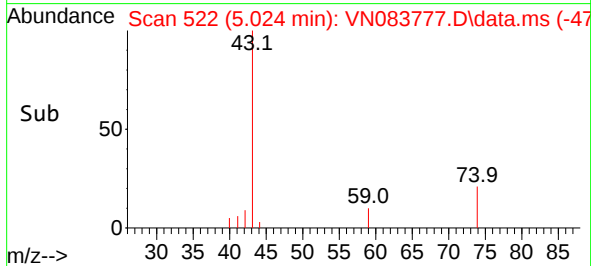
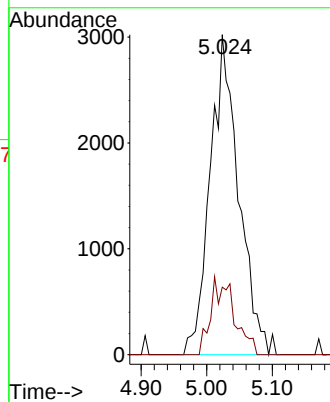
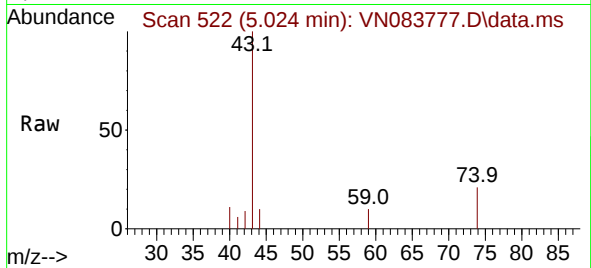
PB163204ZHE#07

Tgt Ion: 43 Resp: 9161

Ion Ratio Lower Upper

43 100

74 20.0 19.0 28.4



#20

Methylene Chloride

Concen: 7.405 ug/l

RT: 5.271 min Scan# 564

Delta R.T. -0.000 min

Lab File: VN083777.D

Acq: 11 Sep 2024 07:14

Tgt Ion: 84 Resp: 8530

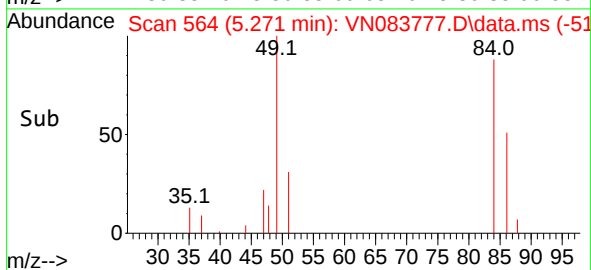
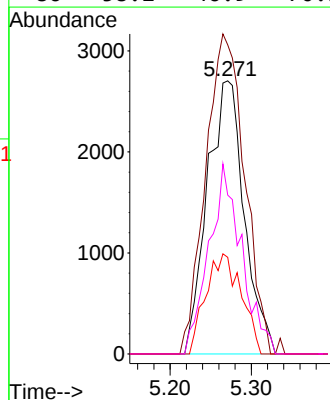
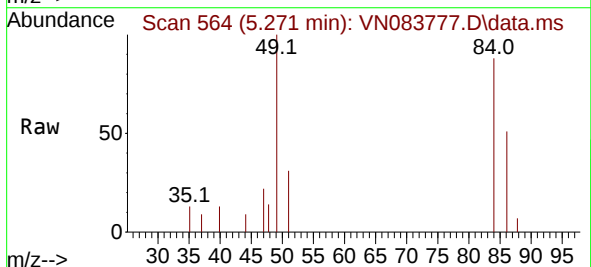
Ion Ratio Lower Upper

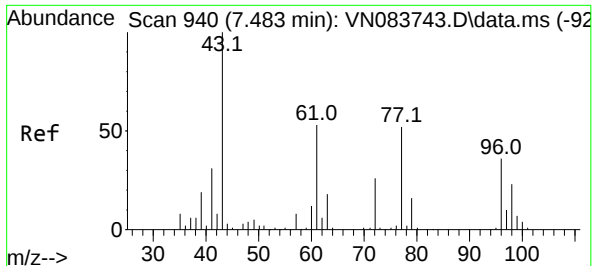
84 100

49 113.2 93.4 140.0

51 35.4 29.2 43.8

86 58.2 46.9 70.3





#25

2-Butanone

Concen: 5.627 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN083777.D

Acq: 11 Sep 2024 07:14

Instrument :

MSVOA_N

ClientSampleId :

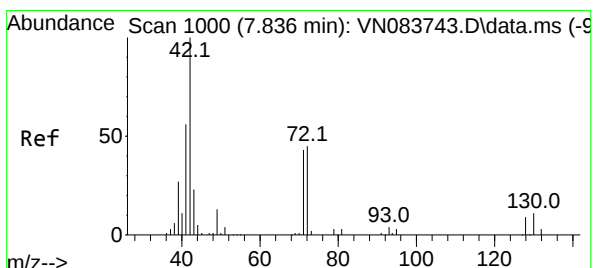
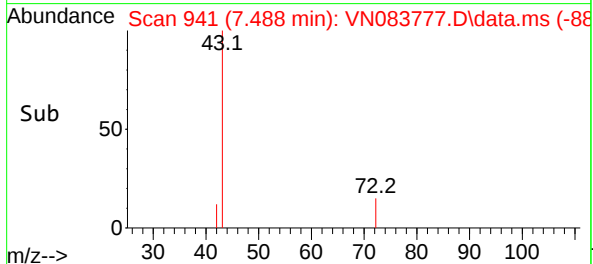
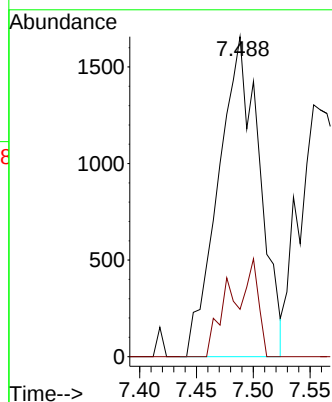
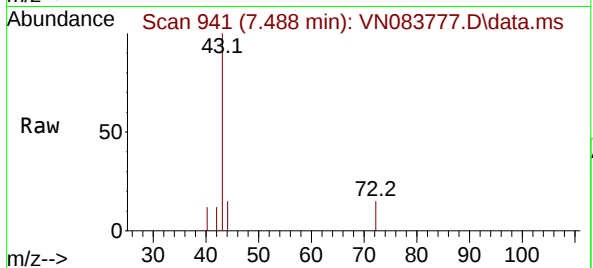
PB163204ZHE#07

Tgt Ion: 43 Resp: 4163

Ion Ratio Lower Upper

43 100

72 14.8 20.8 31.2#



#29

Tetrahydrofuran

Concen: 0.432 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.012 min

Lab File: VN083777.D

Acq: 11 Sep 2024 07:14

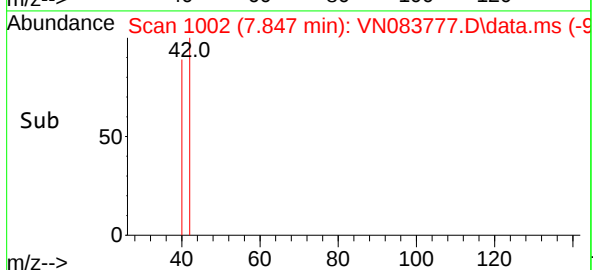
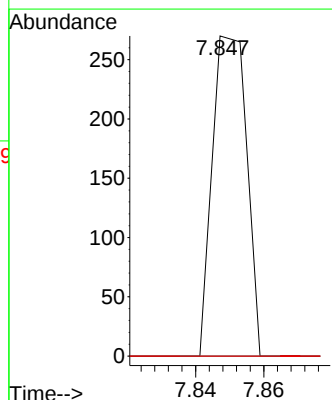
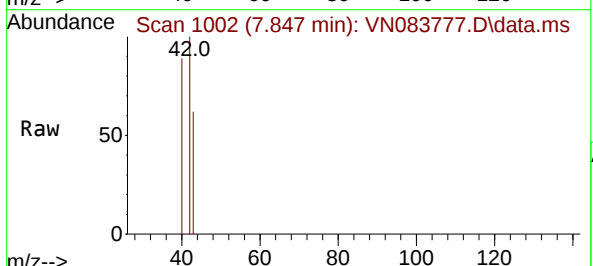
Tgt Ion: 42 Resp: 189

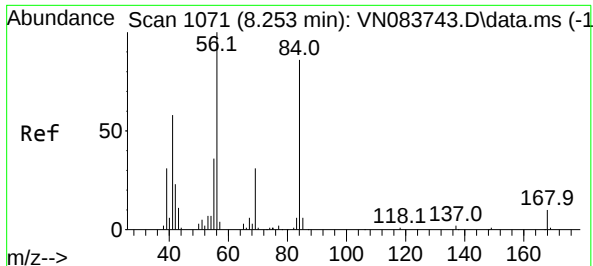
Ion Ratio Lower Upper

42 100

72 0.0 35.9 53.9#

71 0.0 33.9 50.9#

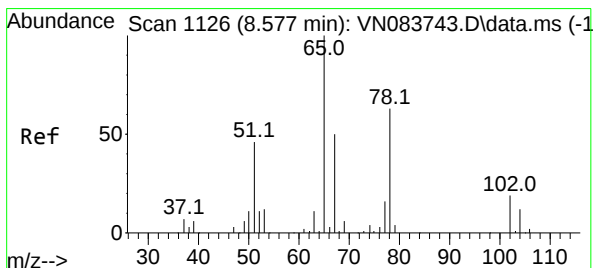
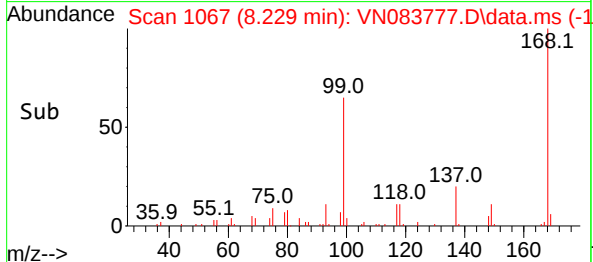
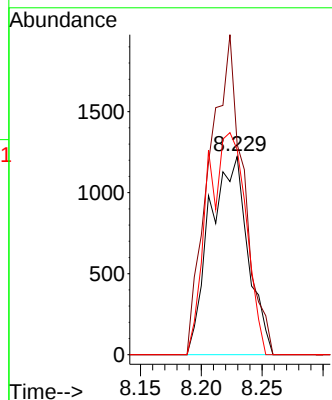
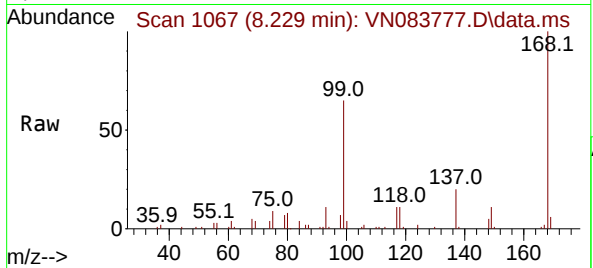




#31
Cyclohexane
Concen: 1.315 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.024 min
Lab File: VN083777.D
Acq: 11 Sep 2024 07:14

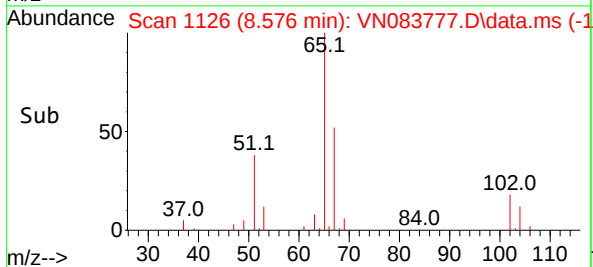
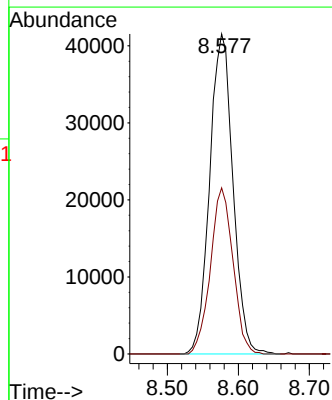
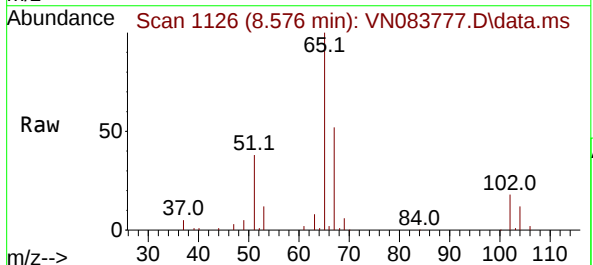
Instrument :
MSVOA_N
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PB163204ZHE#07

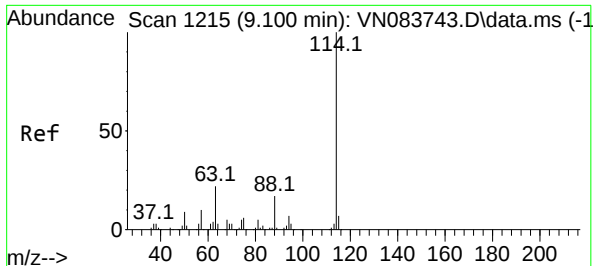
Tgt Ion: 56 Resp: 2668
Ion Ratio Lower Upper
56 100
69 106.0 26.9 40.3#
84 103.4 69.2 103.8



#33
1,2-Dichloroethane-d4
Concen: 67.172 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN083777.D
Acq: 11 Sep 2024 07:14

Tgt Ion: 65 Resp: 94322
Ion Ratio Lower Upper
65 100
67 50.3 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: VN083777.D

Acq: 11 Sep 2024 07:14

Instrument :

MSVOA_N

ClientSampleId :

PB163204ZHE#07

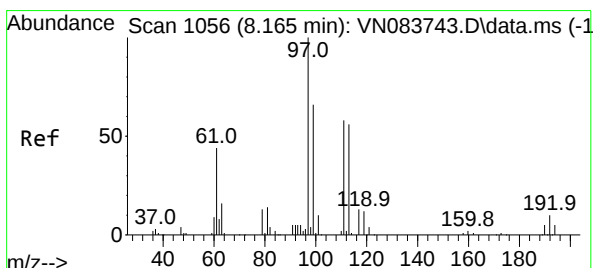
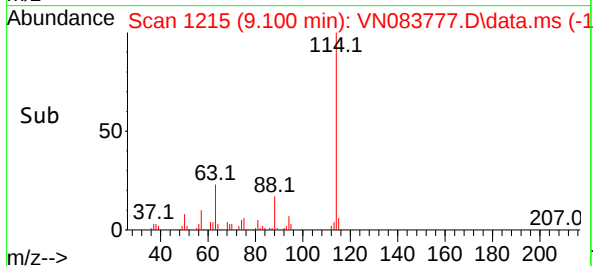
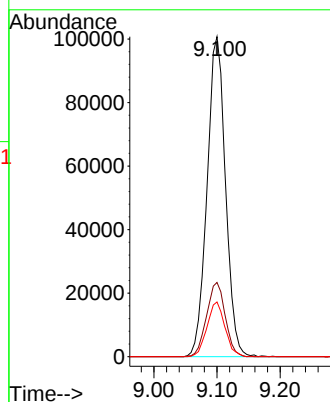
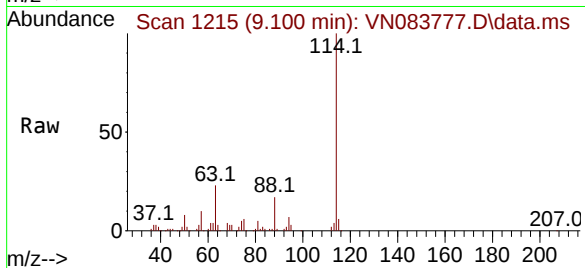
Tgt Ion:114 Resp: 203912

Ion Ratio Lower Upper

114 100

63 23.2 0.0 43.4

88 17.1 0.0 32.6



#35

Dibromofluoromethane

Concen: 58.187 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083777.D

Acq: 11 Sep 2024 07:14

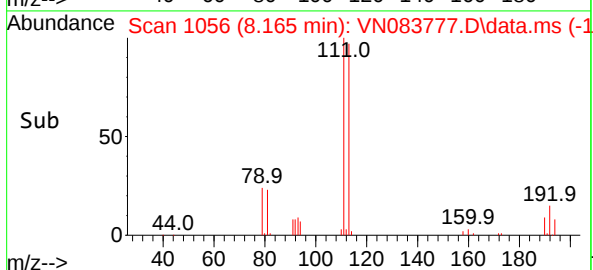
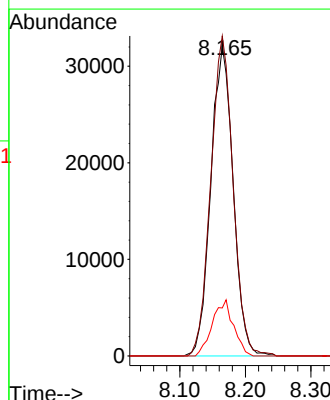
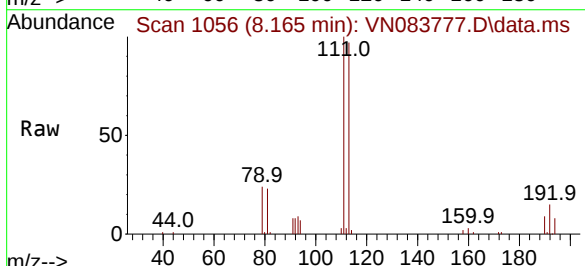
Tgt Ion:113 Resp: 75958

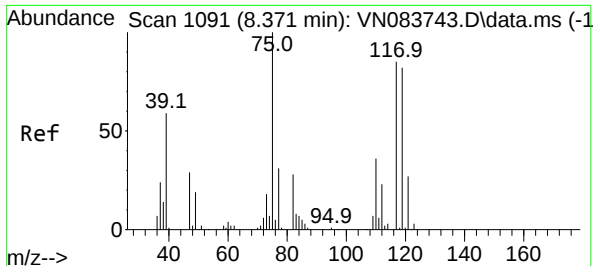
Ion Ratio Lower Upper

113 100

111 102.7 82.6 124.0

192 17.1 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.645 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN083777.D

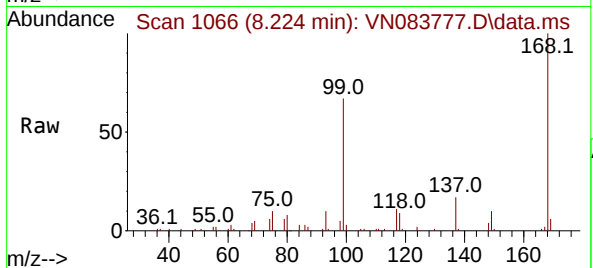
Acq: 11 Sep 2024 07:14

Instrument :

MSVOA_N

ClientSampleId :

PB163204ZHE#07



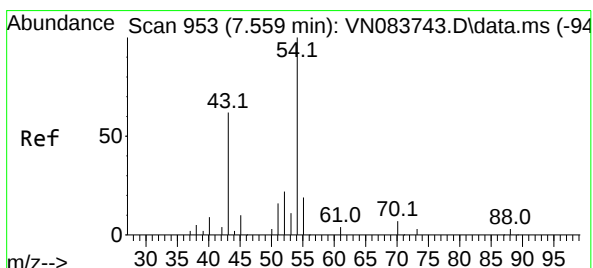
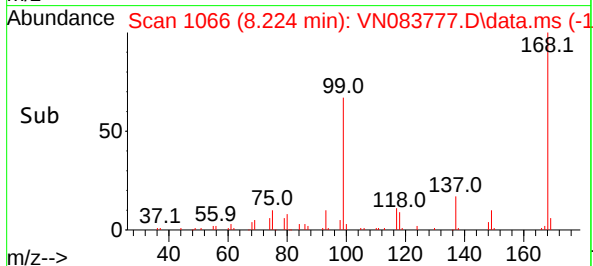
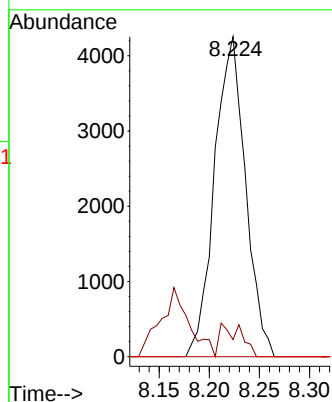
Tgt Ion: 75 Resp: 9127

Ion Ratio Lower Upper

75 100

110 7.0 16.7 50.1#

77 0.0 25.2 37.8#



#37

Ethyl Acetate

Concen: 2.011 ug/l

RT: 7.553 min Scan# 952

Delta R.T. -0.006 min

Lab File: VN083777.D

Acq: 11 Sep 2024 07:14

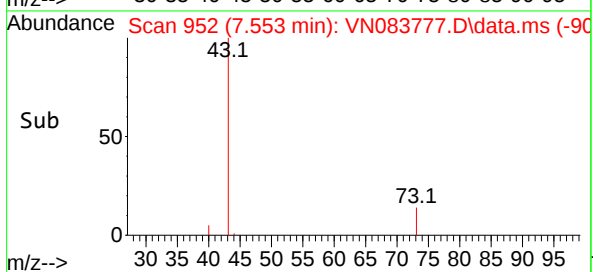
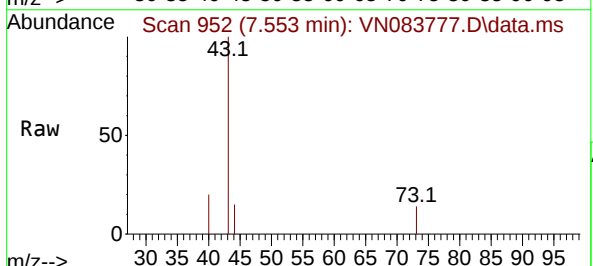
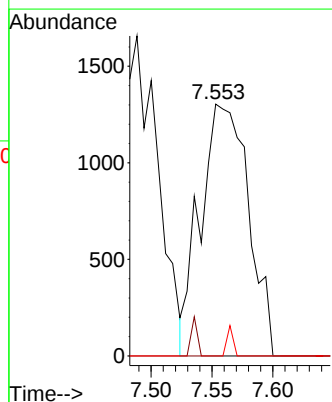
Tgt Ion: 43 Resp: 3586

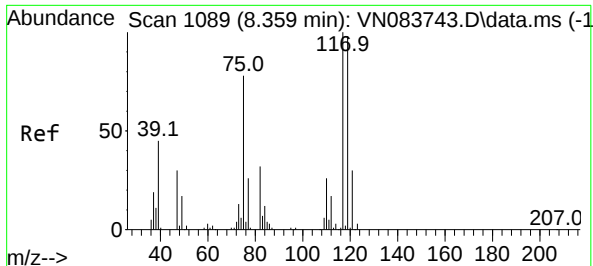
Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

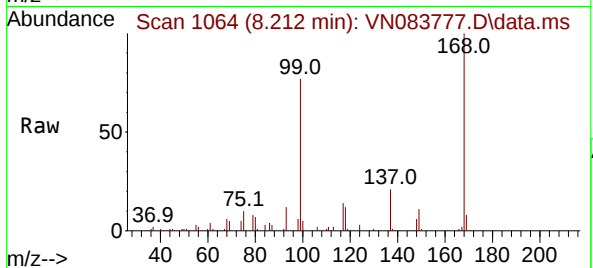
70 1.5 8.8 13.2#



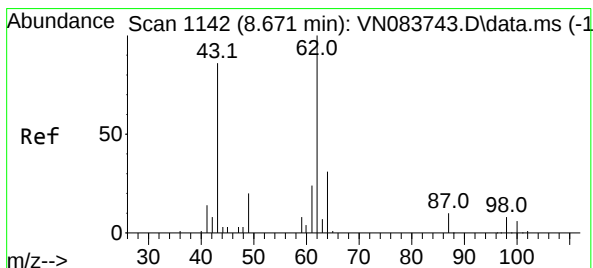
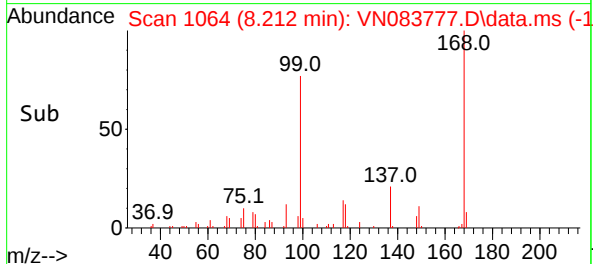
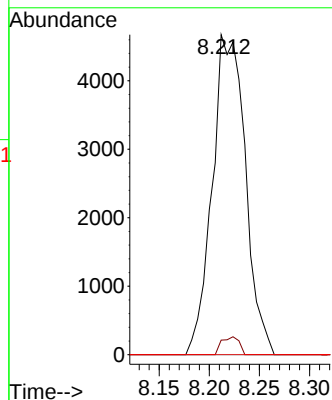


#38
Carbon Tetrachloride
Concen: 4.808 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.147 min
Lab File: VN083777.D
Acq: 11 Sep 2024 07:14

Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#07

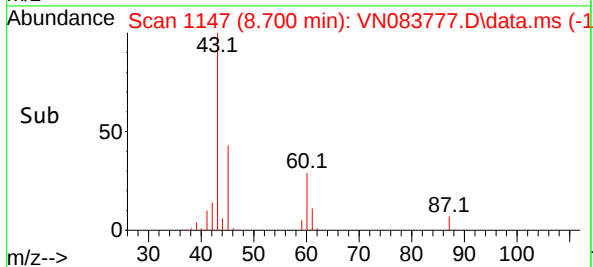
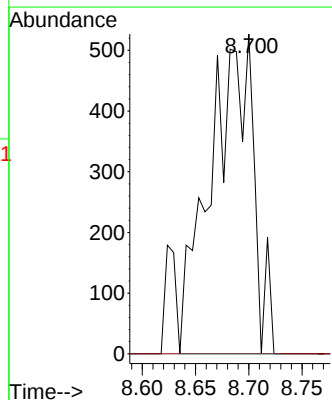
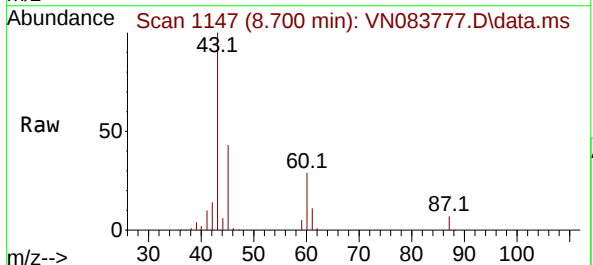


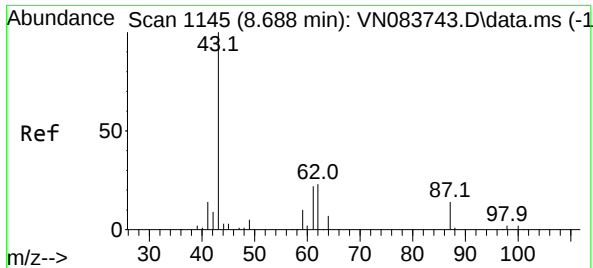
Tgt Ion:117 Resp: 10718
Ion Ratio Lower Upper
117 100
119 4.6 76.1 114.1#
121 0.0 24.1 36.1#



#42
1,2-Dichloroethane
Concen: 0.673 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.029 min
Lab File: VN083777.D
Acq: 11 Sep 2024 07:14

Tgt Ion: 62 Resp: 1488
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.6

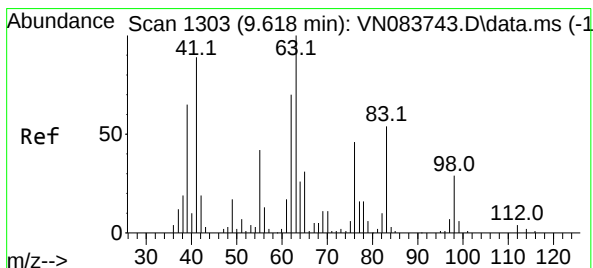
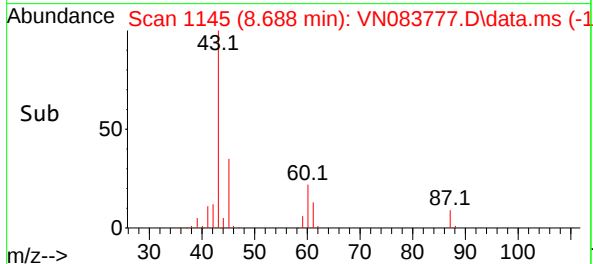
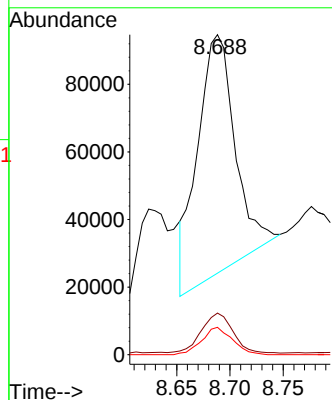
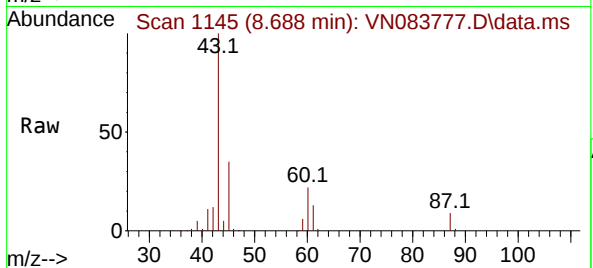




#43
Isopropyl Acetate
Concen: 54.268 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN083777.D
Acq: 11 Sep 2024 07:14

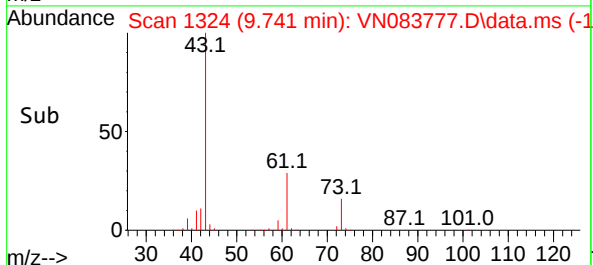
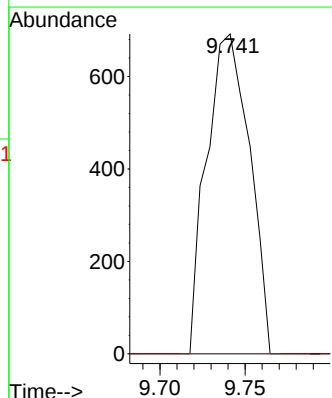
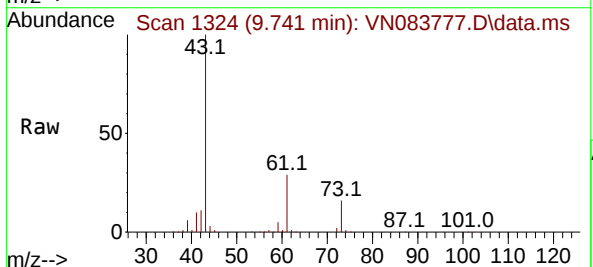
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#07

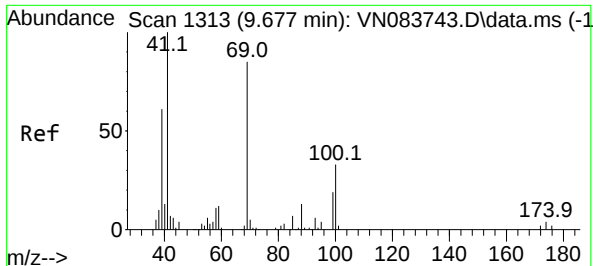
Tgt Ion: 43 Resp: 175390
Ion Ratio Lower Upper
43 100
61 14.2 19.4 29.0#
87 9.2 9.8 14.6#



#45
1,2-Dichloropropane
Concen: 0.849 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN083777.D
Acq: 11 Sep 2024 07:14

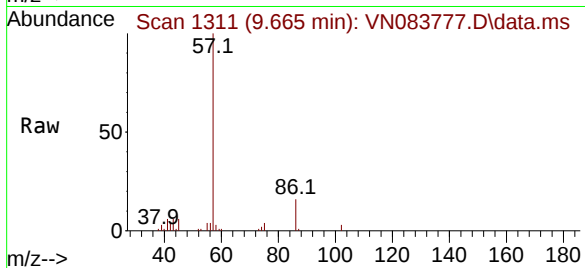
Tgt Ion: 63 Resp: 1214
Ion Ratio Lower Upper
63 100
65 0.0 25.9 38.9#



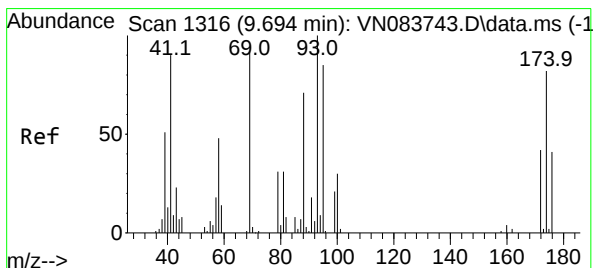
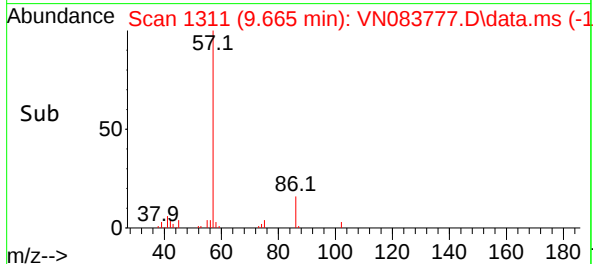
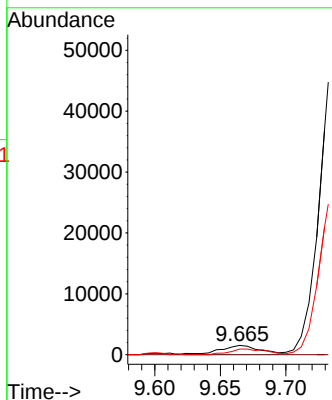


#48
Methyl methacrylate
Concen: 2.125 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN083777.D
Acq: 11 Sep 2024 07:14

Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#07

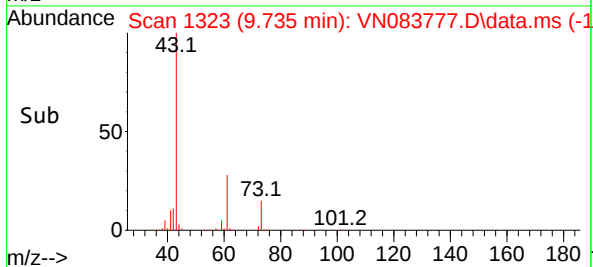
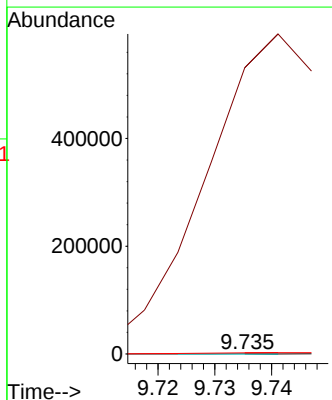
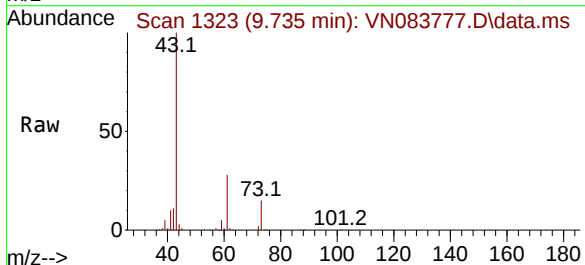


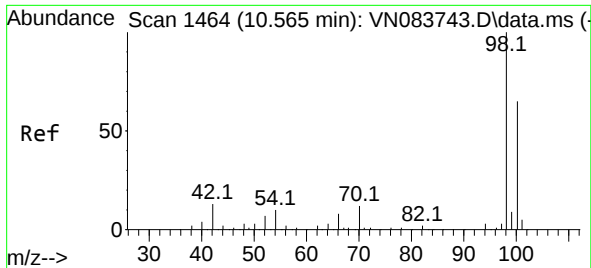
Tgt Ion: 41 Resp: 3259
Ion Ratio Lower Upper
41 100
69 0.0 64.3 96.5#
39 56.9 48.9 73.3



#49
1,4-Dioxane
Concen: 2.299 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.041 min
Lab File: VN083777.D
Acq: 11 Sep 2024 07:14

Tgt Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
43 1842403.4 0.0 0.0#
58 8200.0 57.1 85.7#

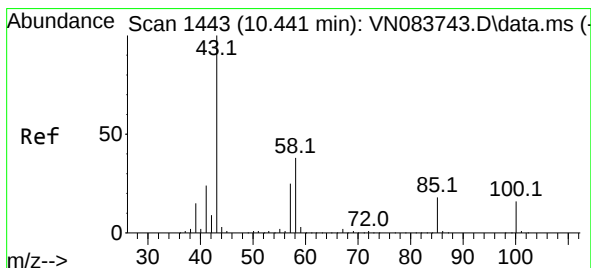
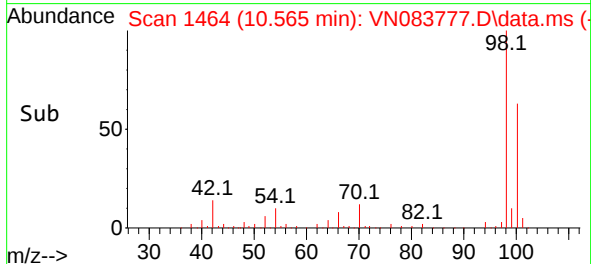
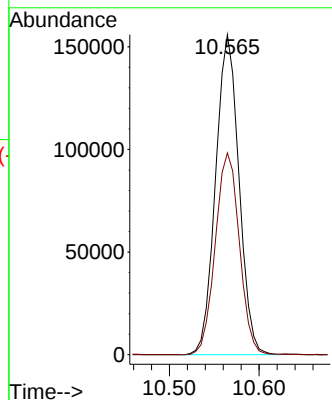
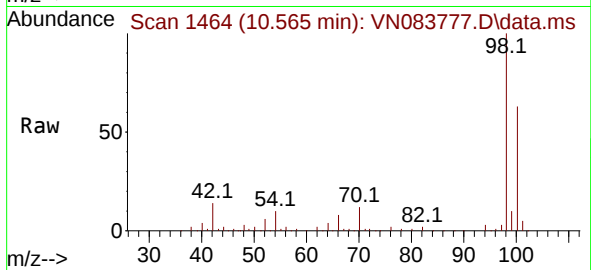




#50
Toluene-d8
Concen: 62.466 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083777.D
Acq: 11 Sep 2024 07:14

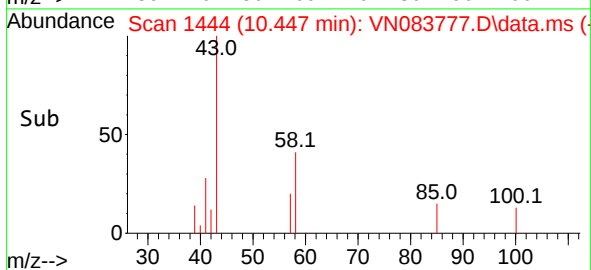
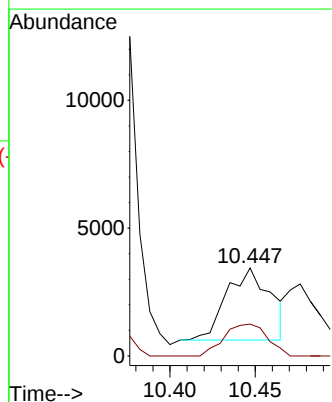
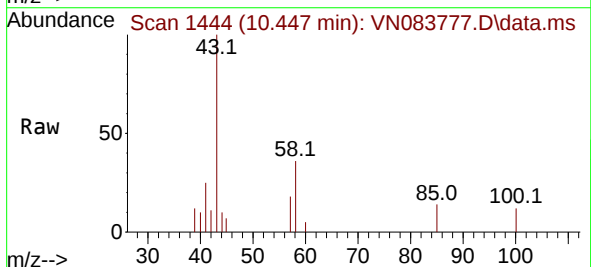
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#07

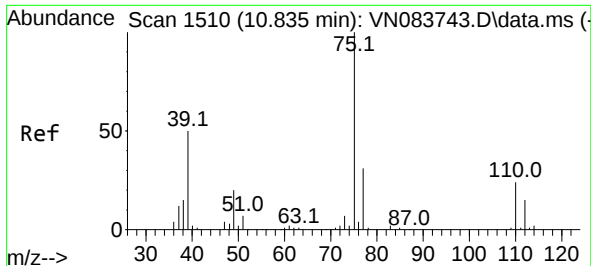
Tgt Ion: 98 Resp: 281904
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 2.882 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN083777.D
Acq: 11 Sep 2024 07:14

Tgt Ion: 43 Resp: 5071
Ion Ratio Lower Upper
43 100
58 43.5 31.6 47.4

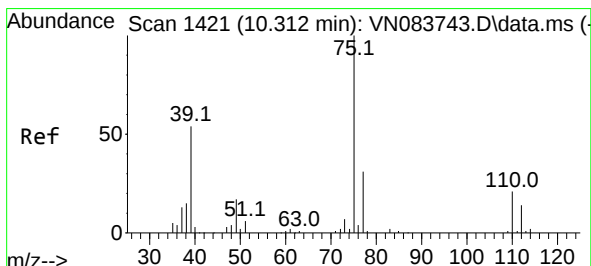
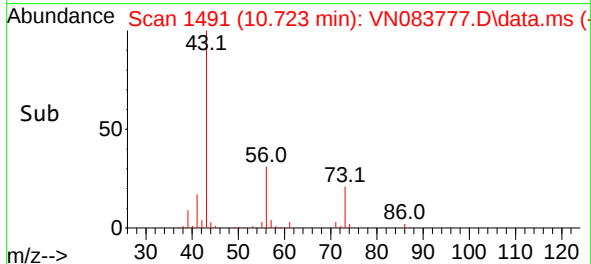
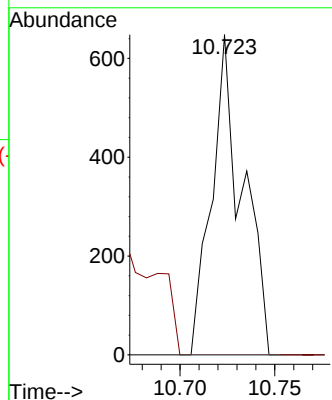
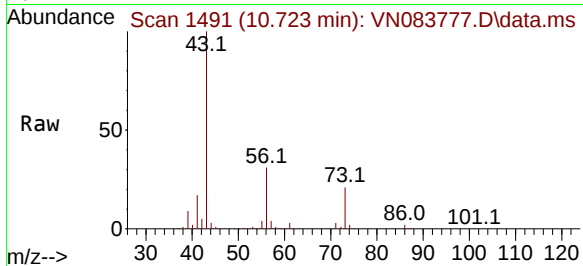




#53
t-1,3-Dichloropropene
Concen: 0.335 ug/l
RT: 10.723 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN083777.D
Acq: 11 Sep 2024 07:14

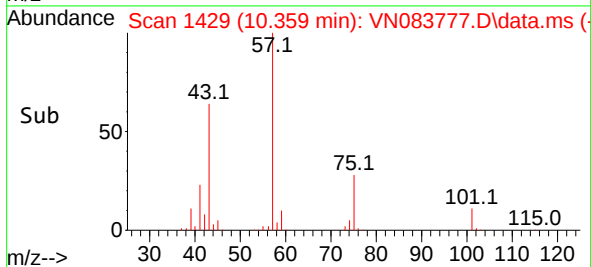
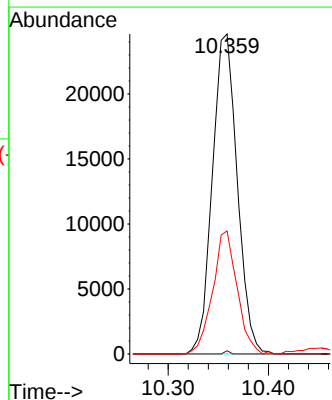
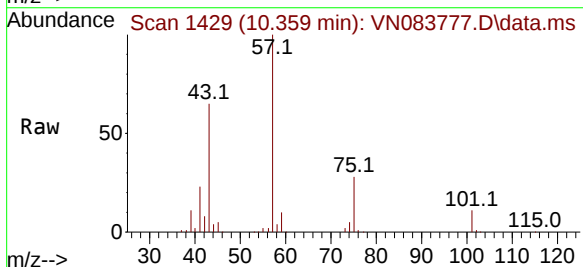
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#07

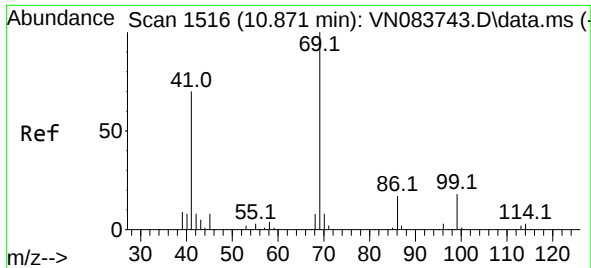
Tgt Ion: 75 Resp: 735
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.6#



#54
cis-1,3-Dichloropropene
Concen: 18.400 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN083777.D
Acq: 11 Sep 2024 07:14

Tgt Ion: 75 Resp: 42450
Ion Ratio Lower Upper
75 100
77 1.0 25.0 37.6#
39 38.5 42.6 64.0#

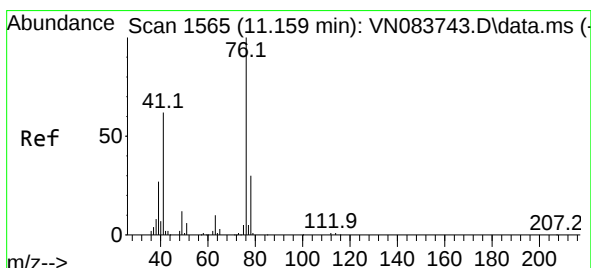
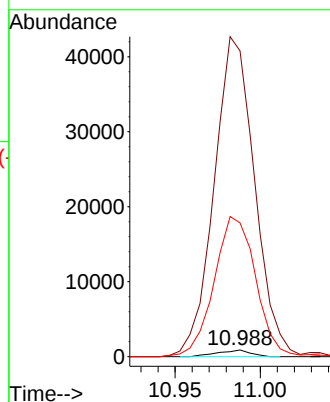
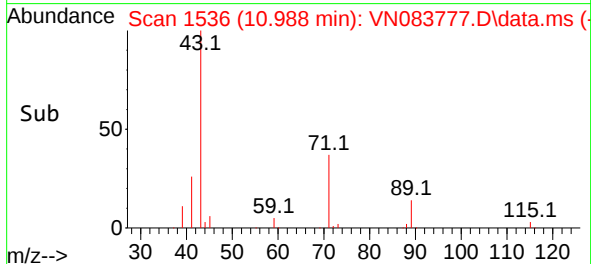
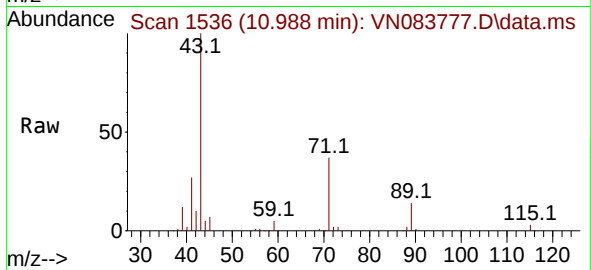




#56
Ethyl methacrylate
Concen: 0.575 ug/l
RT: 10.988 min Scan# 1195
Delta R.T. 0.118 min
Lab File: VN083777.D
Acq: 11 Sep 2024 07:14

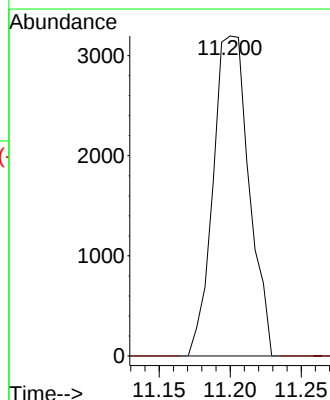
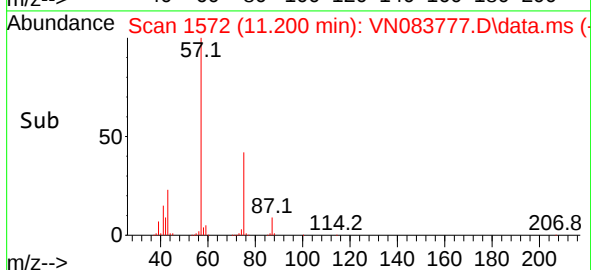
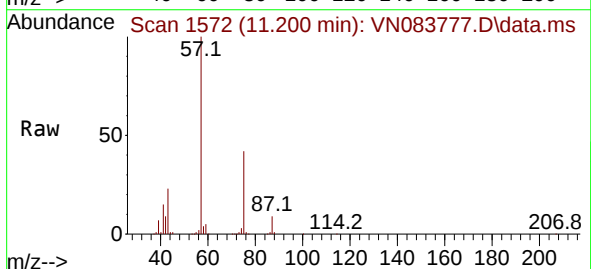
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#07

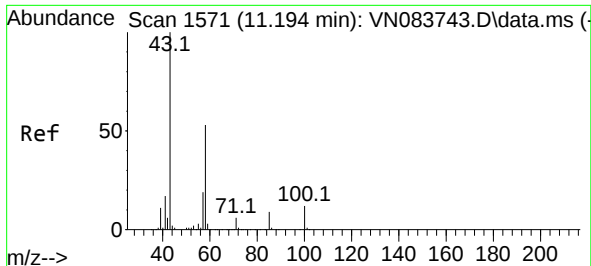
Tgt Ion: 69 Resp: 1195
Ion Ratio Lower Upper
69 100
41 5946.7 53.9 80.9#
39 2664.9 32.6 48.8#



#57
1,3-Dichloropropane
Concen: 2.427 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN083777.D
Acq: 11 Sep 2024 07:14

Tgt Ion: 76 Resp: 5633
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

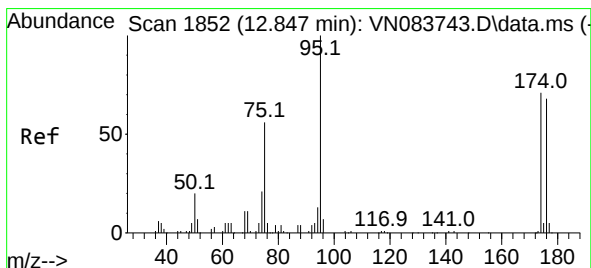
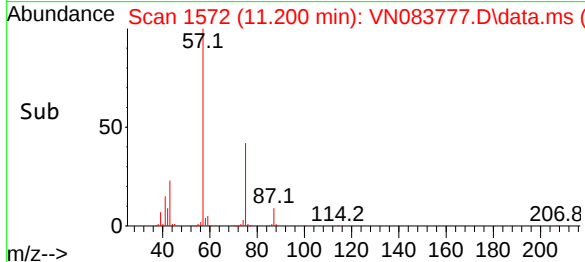
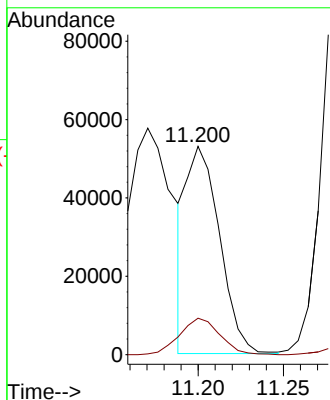
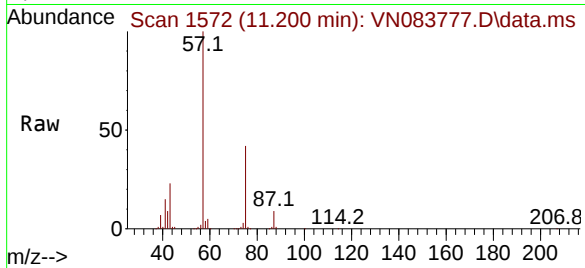




#59
2-Hexanone
Concen: 55.434 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN083777.D
Acq: 11 Sep 2024 07:14

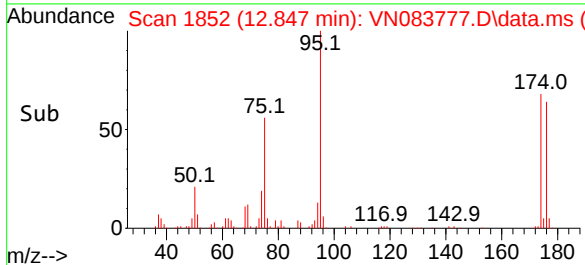
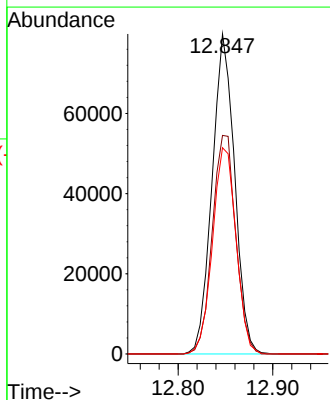
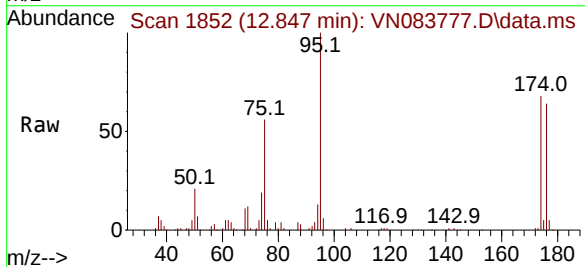
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#07

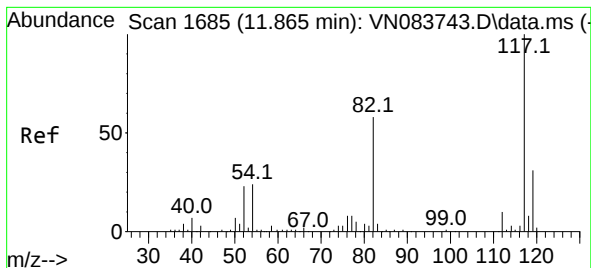
Tgt Ion: 43 Resp: 72142
Ion Ratio Lower Upper
43 100
58 21.3 27.2 81.5#



#62
4-Bromofluorobenzene
Concen: 70.747 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083777.D
Acq: 11 Sep 2024 07:14

Tgt Ion: 95 Resp: 131724
Ion Ratio Lower Upper
95 100
174 71.4 0.0 139.8
176 67.5 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN083777.D

Acq: 11 Sep 2024 07:14

Instrument :

MSVOA_N

ClientSampleId :

PB163204ZHE#07

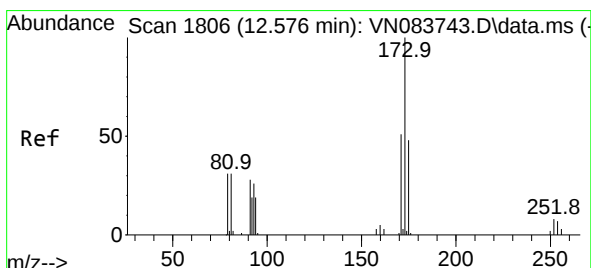
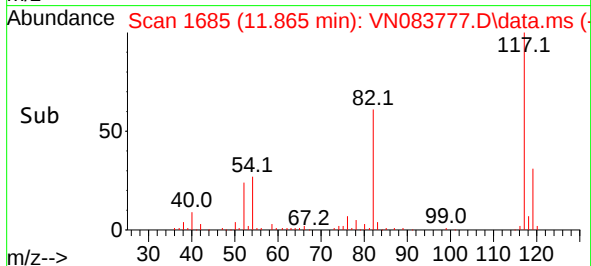
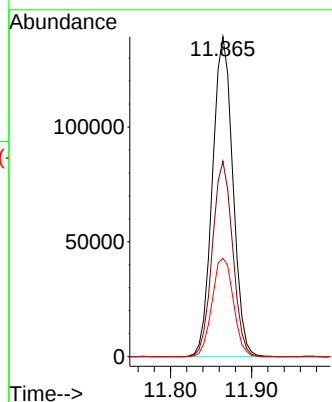
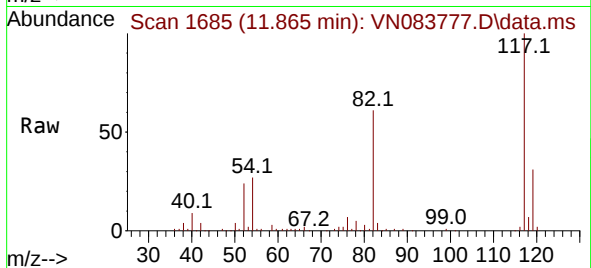
Tgt Ion:117 Resp: 243823

Ion Ratio Lower Upper

117 100

82 61.1 47.4 71.0

119 30.7 26.3 39.5



#71

Bromoform

Concen: 0.709 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.270 min

Lab File: VN083777.D

Acq: 11 Sep 2024 07:14

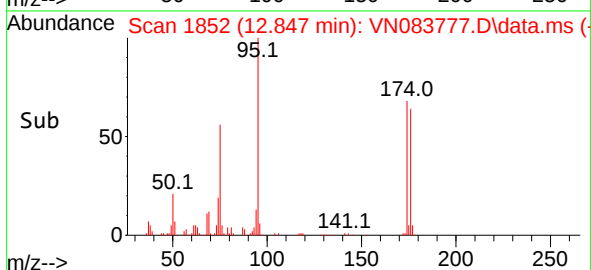
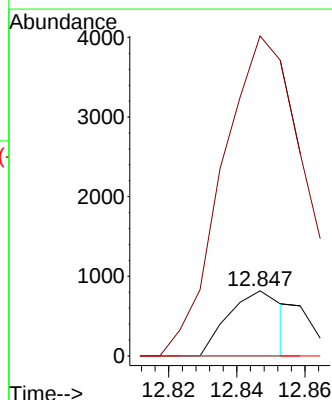
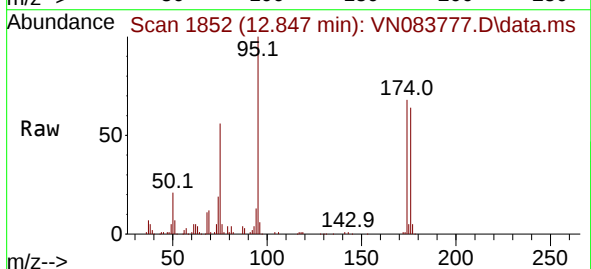
Tgt Ion:173 Resp: 898

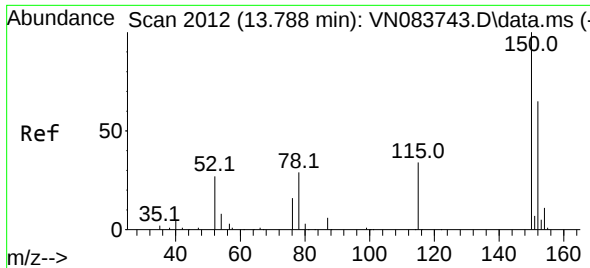
Ion Ratio Lower Upper

173 100

175 569.5 24.1 72.2#

254 0.0 0.0 0.0

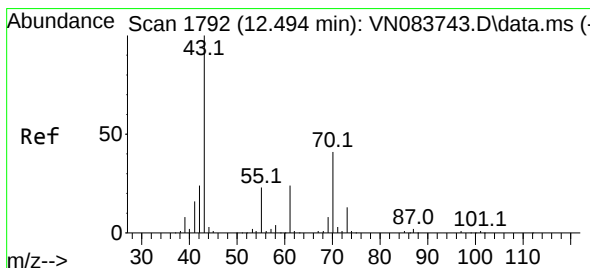
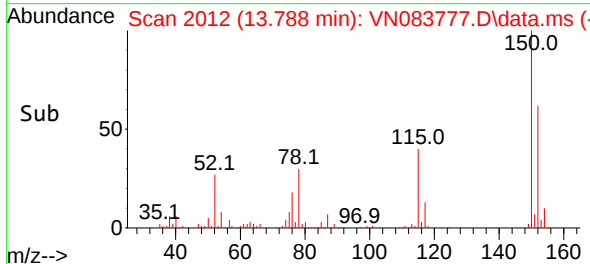
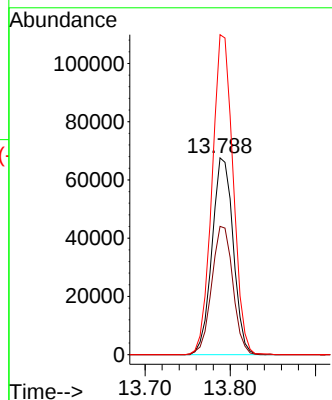
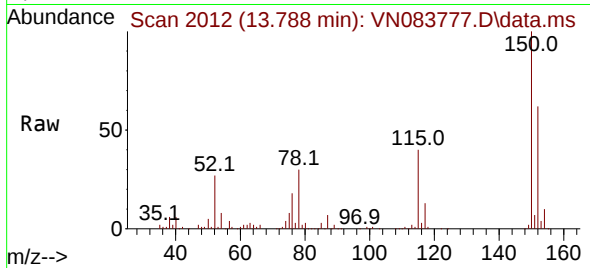




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN083777.D
 Acq: 11 Sep 2024 07:14

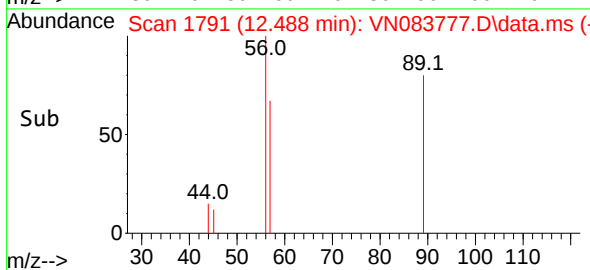
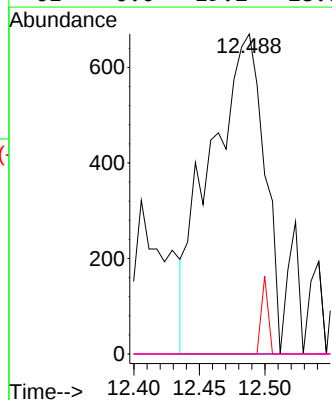
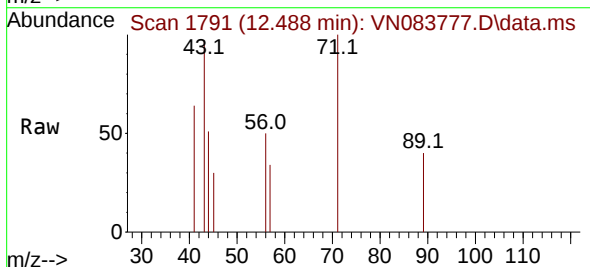
Instrument :
 MSVOA_N
 ClientSampleId :
 PB163204ZHE#07

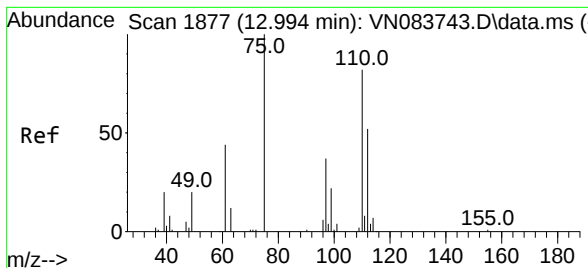
Tgt Ion:152 Resp: 116853
 Ion Ratio Lower Upper
 152 100
 115 65.0 32.2 96.6
 150 161.2 0.0 348.6



#74
 N-ethyl acetate
 Concen: 0.497 ug/l
 RT: 12.488 min Scan# 1791
 Delta R.T. -0.006 min
 Lab File: VN083777.D
 Acq: 11 Sep 2024 07:14

Tgt Ion: 43 Resp: 1918
 Ion Ratio Lower Upper
 43 100
 70 0.0 34.5 51.7#
 55 3.0 18.6 28.0#
 61 0.0 19.2 28.8#





#76

1,2,3-Trichloropropane

Concen: 31.693 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083777.D

Acq: 11 Sep 2024 07:14

Instrument :

MSVOA_N

ClientSampleId :

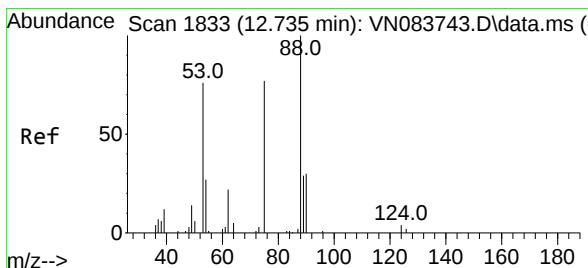
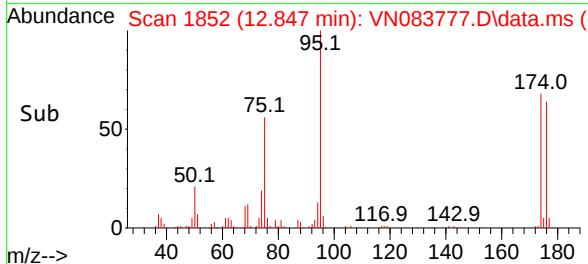
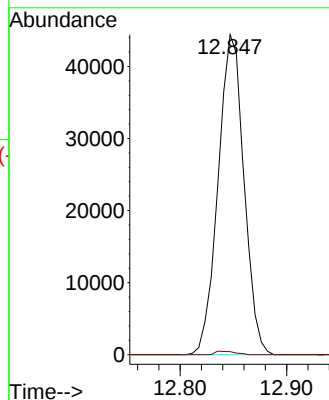
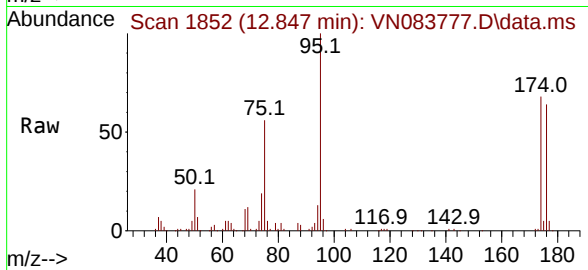
PB163204ZHE#07

Tgt Ion: 75 Resp: 74727

Ion Ratio Lower Upper

75 100

77 0.8 95.2 285.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 83.005 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN083777.D

Acq: 11 Sep 2024 07:14

Tgt Ion: 75 Resp: 74727

Ion Ratio Lower Upper

75 100

53 0.0 81.2 121.8#

89 0.0 35.7 53.5#

