

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
 Data File : VN083778.D
 Acq On : 11 Sep 2024 07:38
 Operator : JC\MD
 Sample : PB163204ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB163204ZHE#08

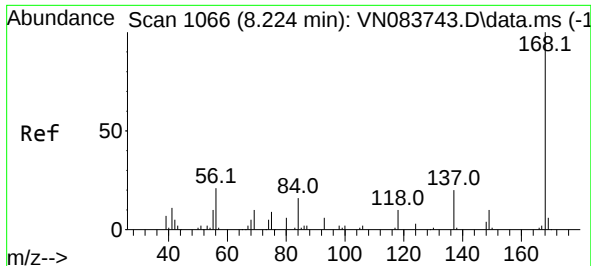
Quant Time: Sep 11 08:31:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 03:05:46 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	94494	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	208086	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	249397	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118740	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	98211	68.928	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 137.860%#	
35) Dibromofluoromethane	8.165	113	77856	58.444	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 116.880%	
50) Toluene-d8	10.565	98	286955	62.310	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 124.620%#	
62) 4-Bromofluorobenzene	12.847	95	133482	70.253	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 140.500%#	
Target Compounds						
					Qvalue	
3) Chloromethane	2.354	50	579	Below Cal	#	41
5) Bromomethane	2.901	94	141	0.204	ug/l #	2
11) Tert butyl alcohol	5.524	59	76	0.398	ug/l #	71
16) Acetone	4.430	43	36519	63.936	ug/l	95
18) Methyl Acetate	5.036	43	8554	5.538	ug/l #	76
20) Methylene Chloride	5.271	84	8821	7.547	ug/l	95
25) 2-Butanone	7.488	43	4159	5.540	ug/l	100
29) Tetrahydrofuran	7.859	42	278	0.626	ug/l #	32
31) Cyclohexane	8.218	56	2587	1.256	ug/l #	21
36) 1,1-Dichloropropene	8.224	75	9195	4.586	ug/l #	51
37) Ethyl Acetate	7.565	43	3376	1.855	ug/l #	82
38) Carbon Tetrachloride	8.224	117	11213	4.929	ug/l #	17
42) 1,2-Dichloroethane	8.683	62	1312	0.582	ug/l #	77
43) Isopropyl Acetate	8.688	43	182857	55.443	ug/l #	83
45) 1,2-Dichloropropane	9.741	63	1483	1.017	ug/l #	42
48) Methyl methacrylate	9.671	41	3227	2.062	ug/l #	48
49) 1,4-Dioxane	9.747	88	57	2.214	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	4260	2.373	ug/l #	82
53) t-1,3-Dichloropropene	10.724	75	755	0.337	ug/l #	42
54) cis-1,3-Dichloropropene	10.359	75	43240	18.367	ug/l #	62
56) Ethyl methacrylate	10.988	69	1334	0.629	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5619	2.372	ug/l #	42
59) 2-Hexanone	11.200	43	72278	54.425	ug/l #	54
71) Bromoform	12.841	173	637	0.492	ug/l #	1
74) N-amyl acetate	12.306	43	27308	6.967	ug/l #	51
76) 1,2,3-Trichloropropane	12.847	75	76361	31.871	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	76361	83.473	ug/l #	9

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

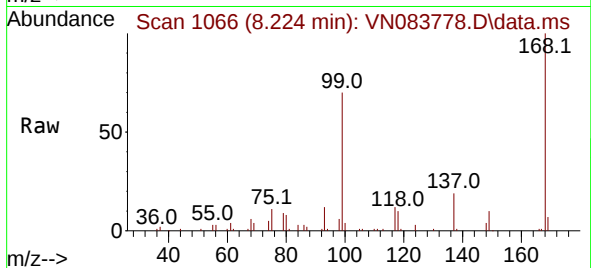
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 03:05:46 2024
Response via : Initial Calibration



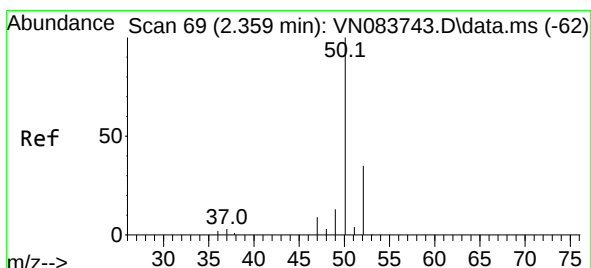
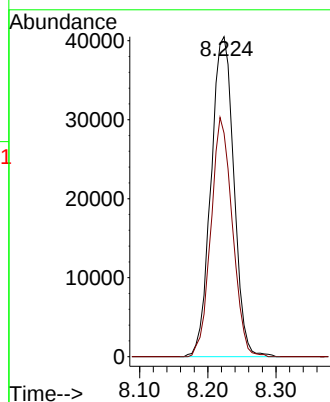
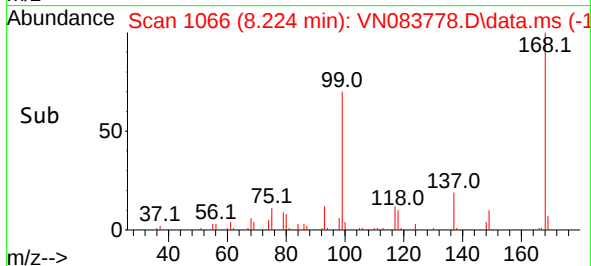


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083778.D
Acq: 11 Sep 2024 07:38

Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#08

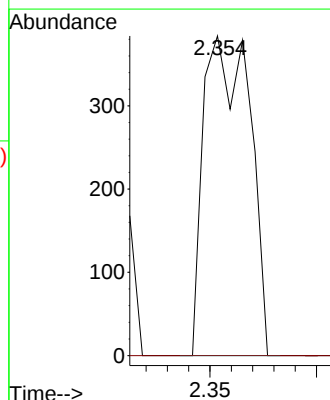
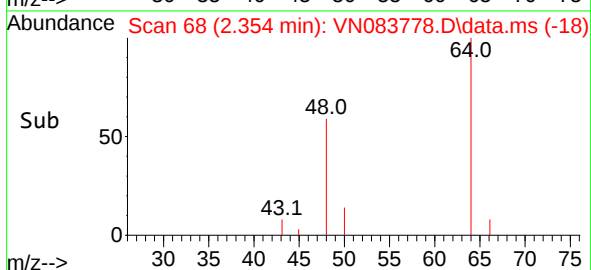
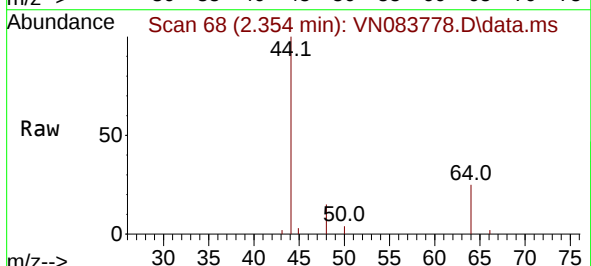


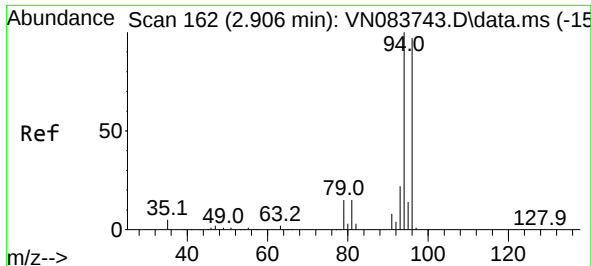
Tgt Ion:168 Resp: 94494
Ion Ratio Lower Upper
168 100
99 69.8 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.354 min Scan# 68
Delta R.T. -0.005 min
Lab File: VN083778.D
Acq: 11 Sep 2024 07:38

Tgt Ion: 50 Resp: 579
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

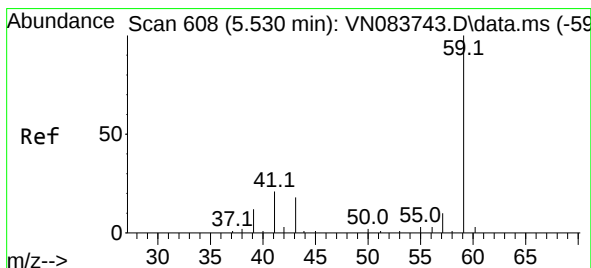
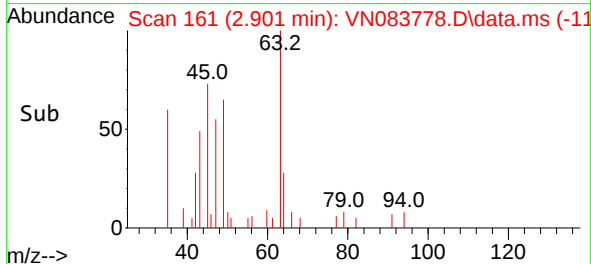
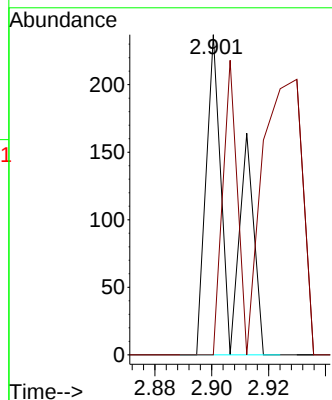
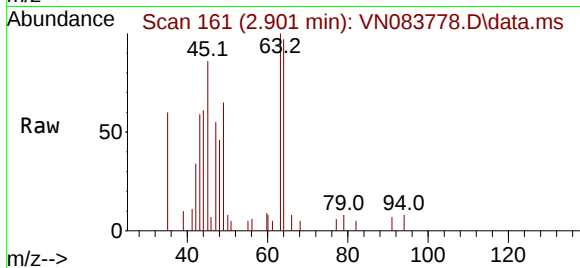




#5
Bromomethane
Concen: 0.204 ug/l
RT: 2.901 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN083778.D
Acq: 11 Sep 2024 07:38

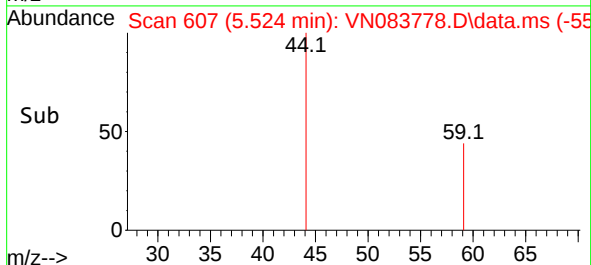
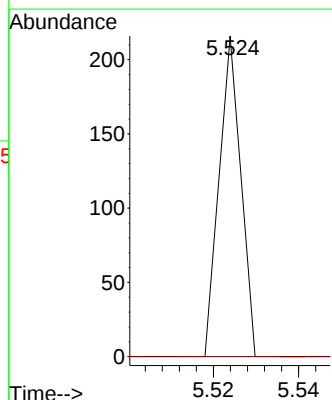
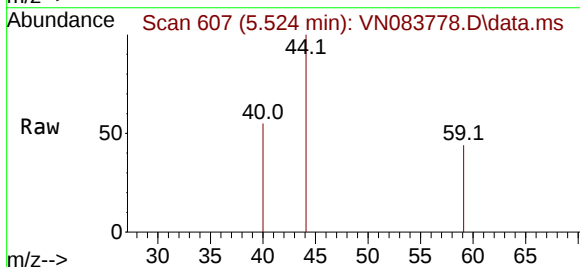
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#08

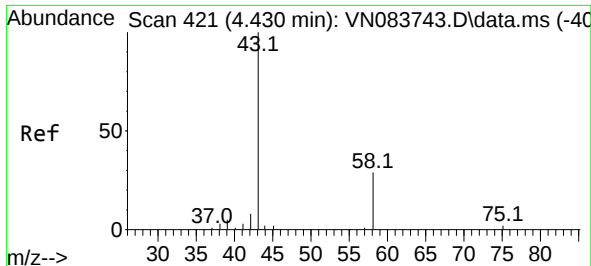
Tgt Ion: 94 Resp: 141
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#



#11
Tert butyl alcohol
Concen: 0.398 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN083778.D
Acq: 11 Sep 2024 07:38

Tgt Ion: 59 Resp: 76
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#





#16

Acetone

Concen: 63.936 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN083778.D

Acq: 11 Sep 2024 07:38

Instrument :

MSVOA_N

ClientSampleId :

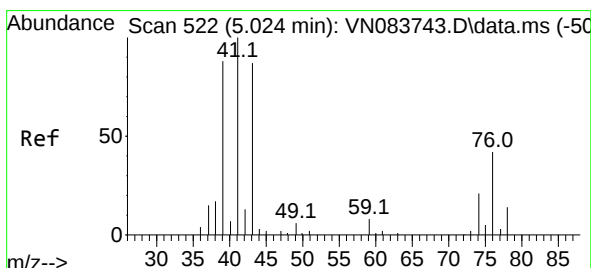
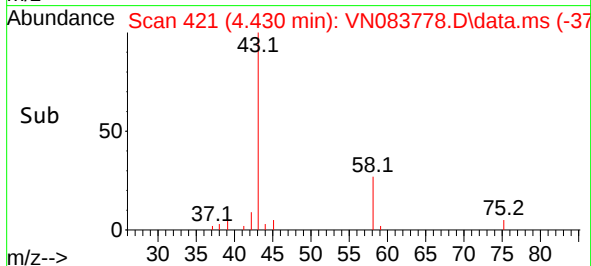
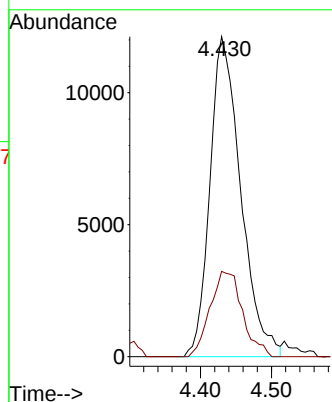
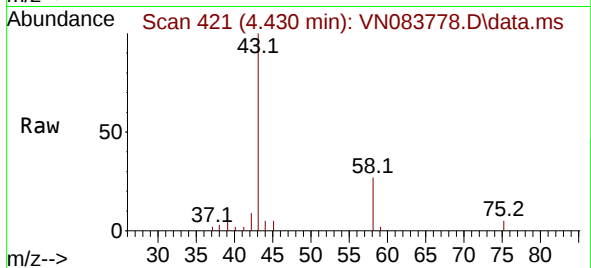
PB163204ZHE#08

Tgt Ion: 43 Resp: 36519

Ion Ratio Lower Upper

43 100

58 26.7 23.7 35.5



#18

Methyl Acetate

Concen: 5.538 ug/l

RT: 5.036 min Scan# 524

Delta R.T. 0.012 min

Lab File: VN083778.D

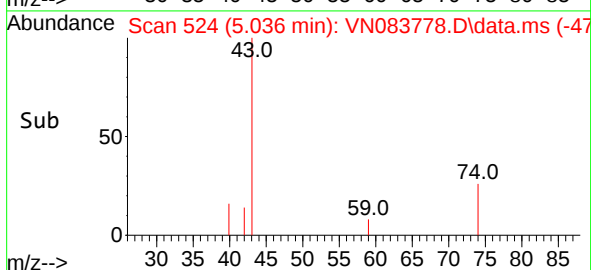
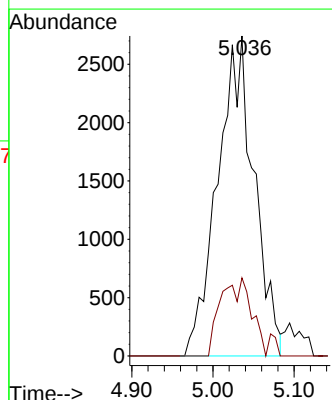
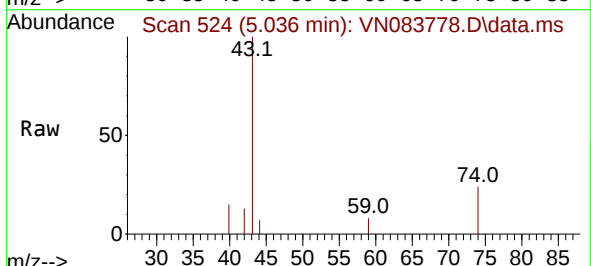
Acq: 11 Sep 2024 07:38

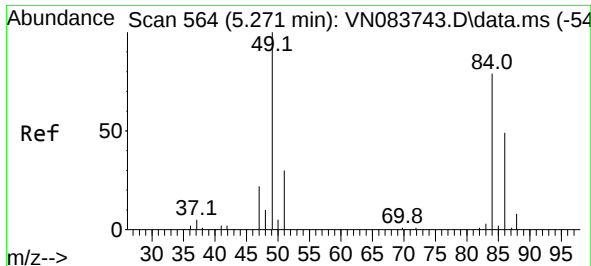
Tgt Ion: 43 Resp: 8554

Ion Ratio Lower Upper

43 100

74 12.1 19.0 28.4#

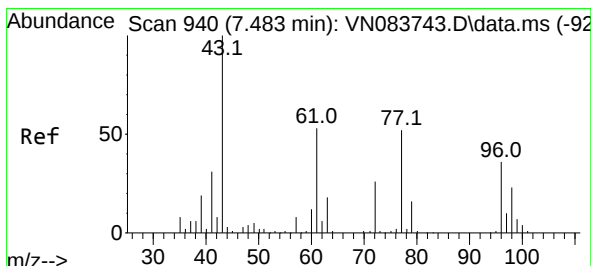
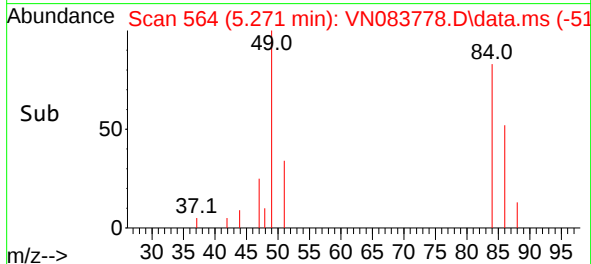
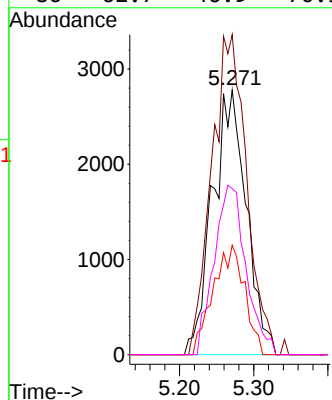
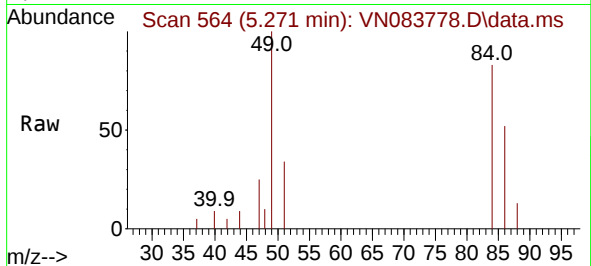




#20
Methylene Chloride
Concen: 7.547 ug/l
RT: 5.271 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN083778.D
Acq: 11 Sep 2024 07:38

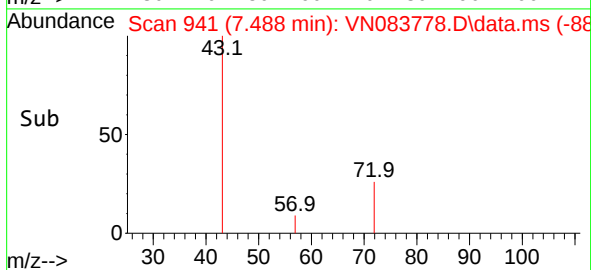
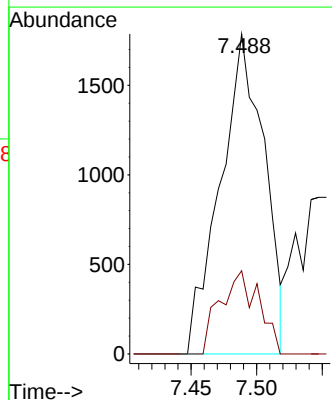
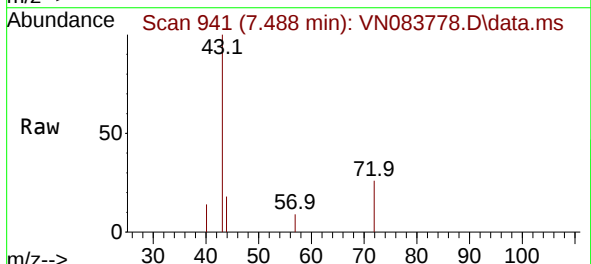
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#08

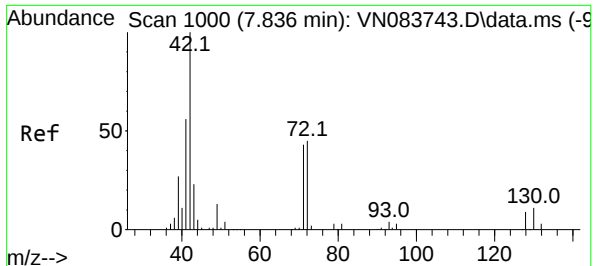
Tgt Ion:	84	Resp:	8821
Ion	Ratio	Lower	Upper
84	100		
49	120.9	93.4	140.0
51	41.3	29.2	43.8
86	62.7	46.9	70.3



#25
2-Butanone
Concen: 5.540 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083778.D
Acq: 11 Sep 2024 07:38

Tgt Ion:	43	Resp:	4159
Ion	Ratio	Lower	Upper
43	100		
72	26.0	20.8	31.2





#29

Tetrahydrofuran

Concen: 0.626 ug/l

RT: 7.859 min Scan# 1065

Delta R.T. 0.024 min

Lab File: VN083778.D

Acq: 11 Sep 2024 07:38

Instrument :

MSVOA_N

ClientSampleId :

PB163204ZHE#08

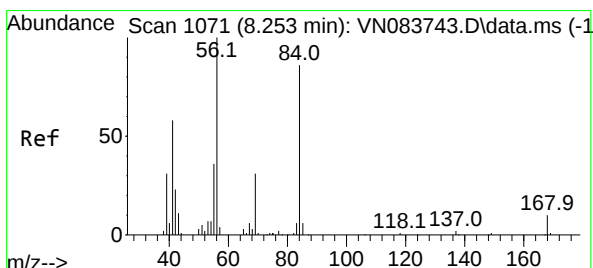
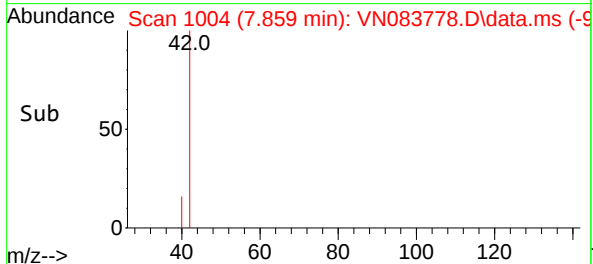
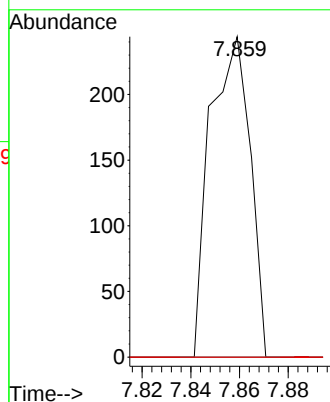
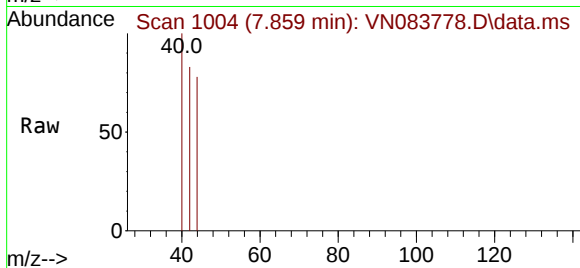
Tgt Ion: 42 Resp: 278

Ion Ratio Lower Upper

42 100

72 0.0 35.9 53.9#

71 0.0 33.9 50.9#



#31

Cyclohexane

Concen: 1.256 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN083778.D

Acq: 11 Sep 2024 07:38

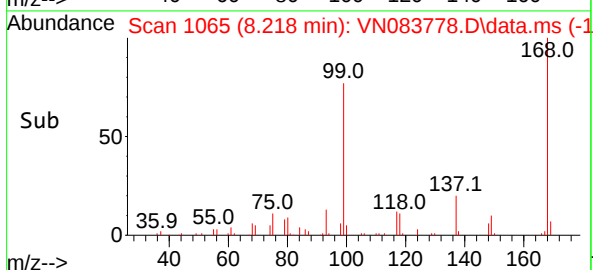
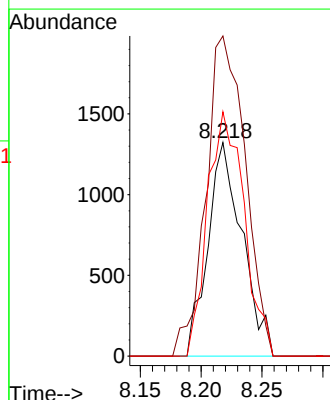
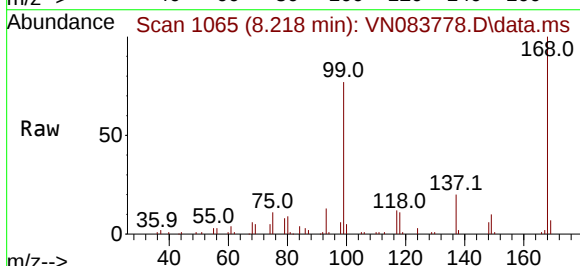
Tgt Ion: 56 Resp: 2587

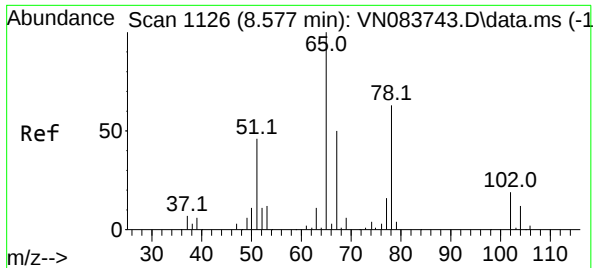
Ion Ratio Lower Upper

56 100

69 149.9 26.9 40.3#

84 114.4 69.2 103.8#

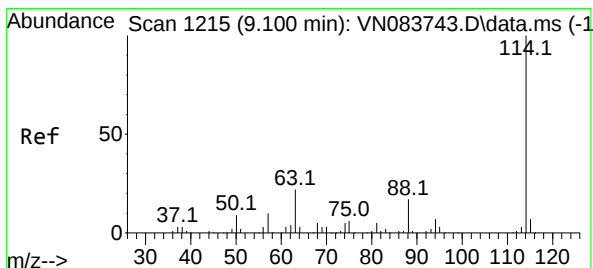
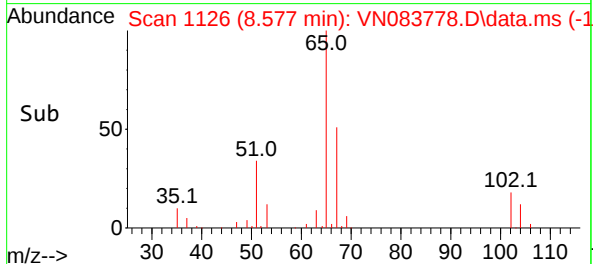
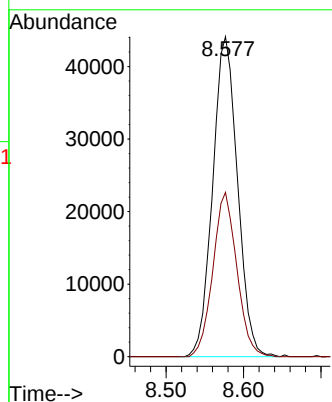
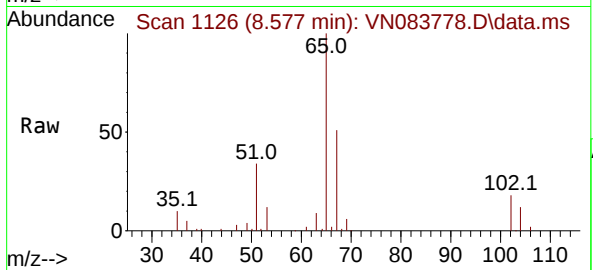




#33
1,2-Dichloroethane-d4
Concen: 68.928 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN083778.D
Acq: 11 Sep 2024 07:38

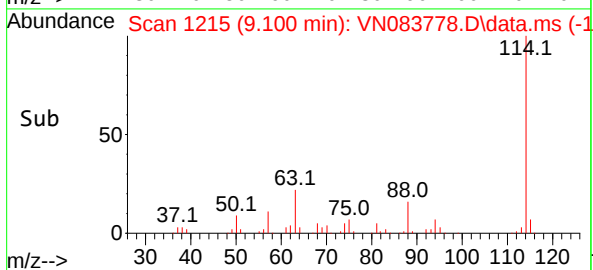
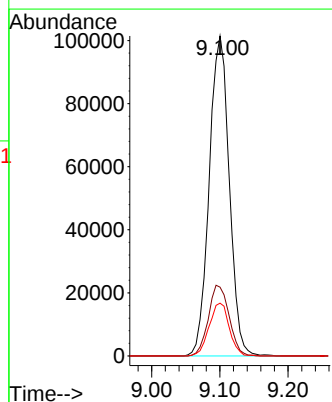
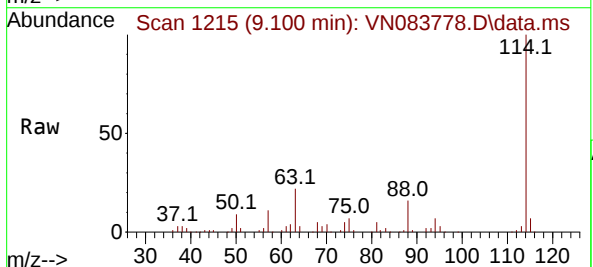
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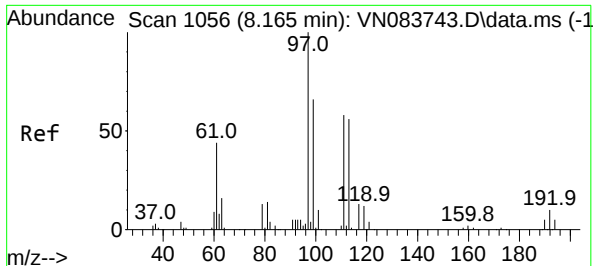
Tgt Ion: 65 Resp: 98211
Ion Ratio Lower Upper
65 100
67 49.5 0.0 100.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN083778.D
Acq: 11 Sep 2024 07:38

Tgt Ion: 114 Resp: 208086
Ion Ratio Lower Upper
114 100
63 21.5 0.0 43.4
88 16.5 0.0 32.6

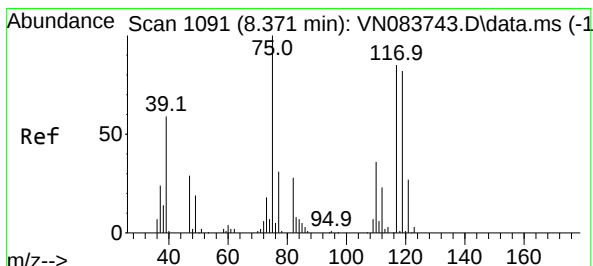
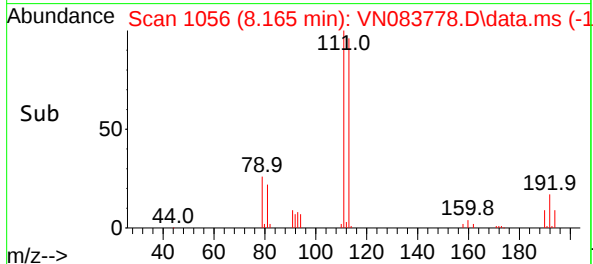
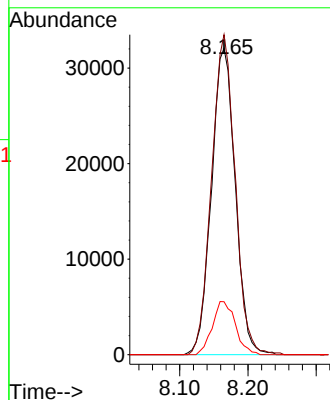
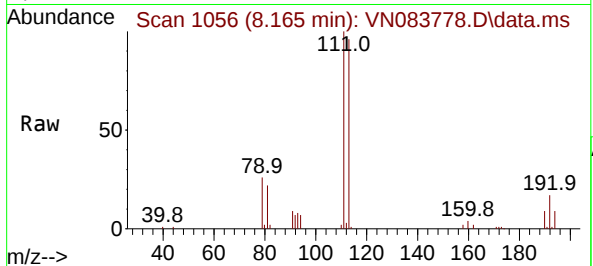




#35
Dibromofluoromethane
Concen: 58.444 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN083778.D
Acq: 11 Sep 2024 07:38

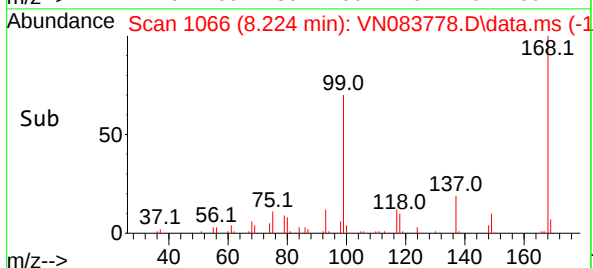
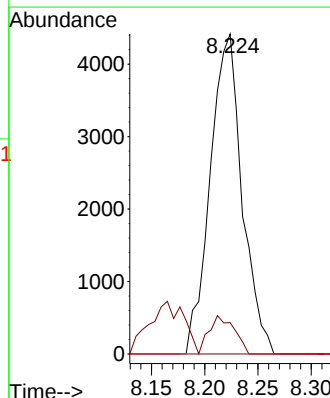
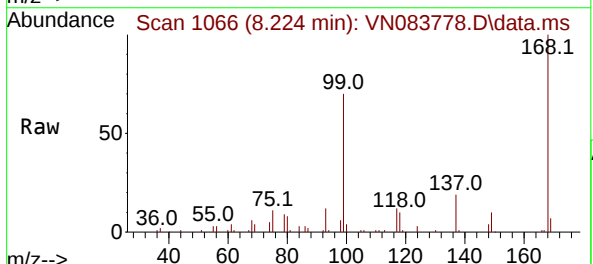
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#08

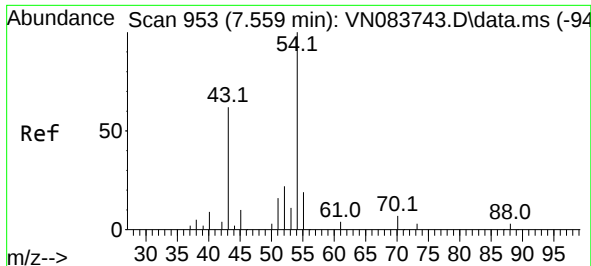
Tgt Ion:113 Resp: 77856
Ion Ratio Lower Upper
113 100
111 103.3 82.6 124.0
192 16.8 14.3 21.5



#36
1,1-Dichloropropene
Concen: 4.586 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN083778.D
Acq: 11 Sep 2024 07:38

Tgt Ion: 75 Resp: 9195
Ion Ratio Lower Upper
75 100
110 9.5 16.7 50.1#
77 0.0 25.2 37.8#





#37

Ethyl Acetate

Concen: 1.855 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN083778.D

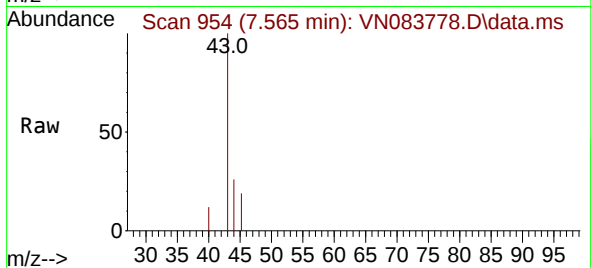
Acq: 11 Sep 2024 07:38

Instrument :

MSVOA_N

ClientSampleId :

PB163204ZHE#08



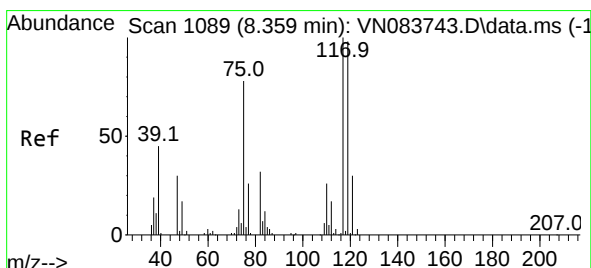
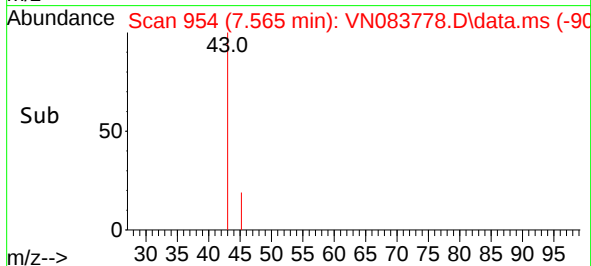
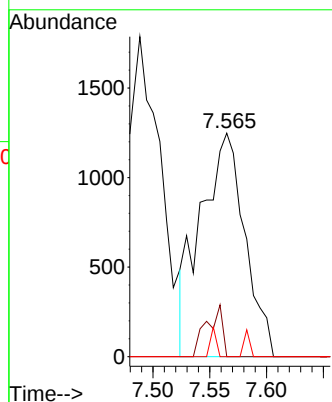
Tgt Ion: 43 Resp: 3376

Ion Ratio Lower Upper

43 100

61 8.3 11.1 16.7#

70 1.7 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 4.929 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN083778.D

Acq: 11 Sep 2024 07:38

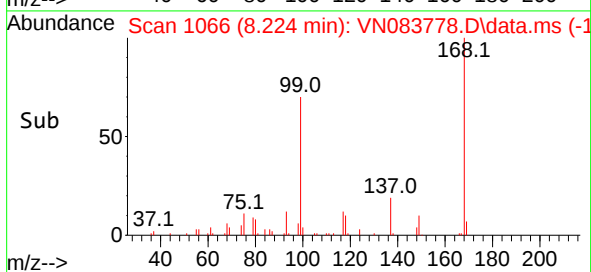
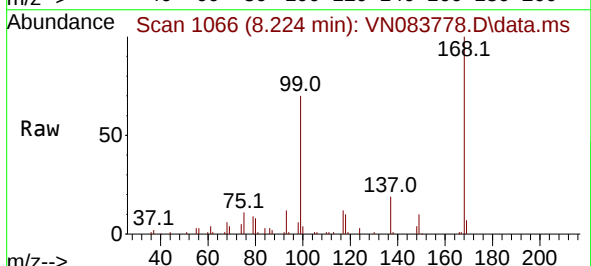
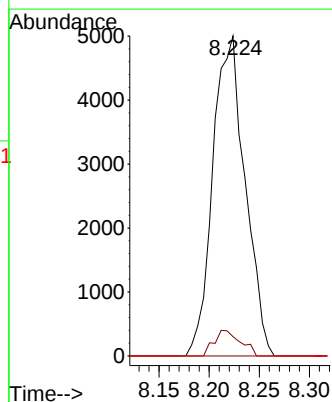
Tgt Ion: 117 Resp: 11213

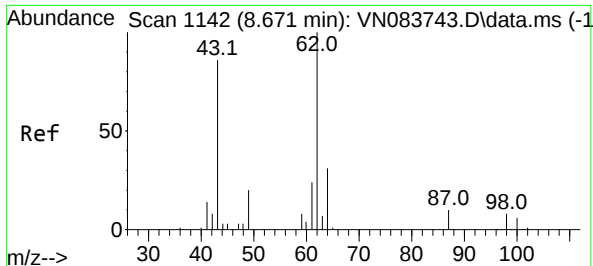
Ion Ratio Lower Upper

117 100

119 6.1 76.1 114.1#

121 0.0 24.1 36.1#

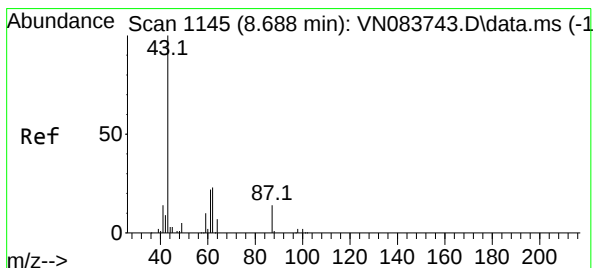
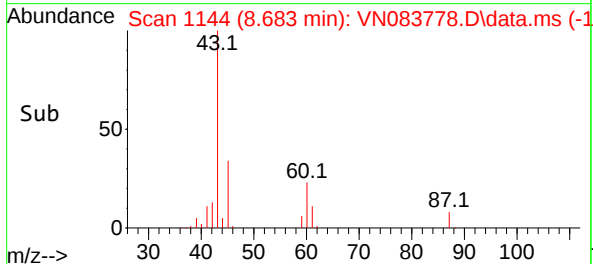
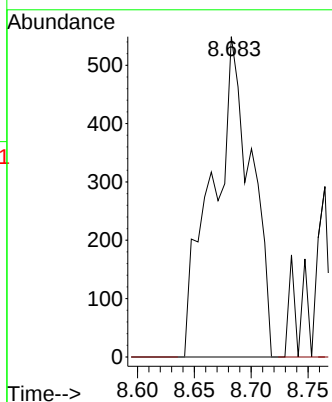
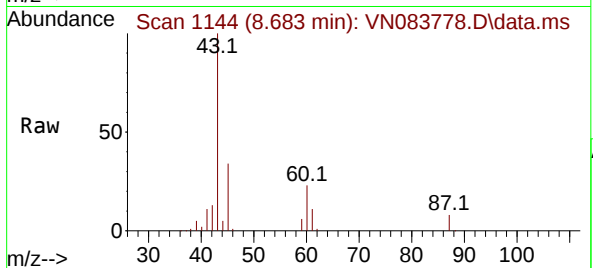




#42
1,2-Dichloroethane
Concen: 0.582 ug/l
RT: 8.683 min Scan# 1142
Delta R.T. 0.012 min
Lab File: VN083778.D
Acq: 11 Sep 2024 07:38

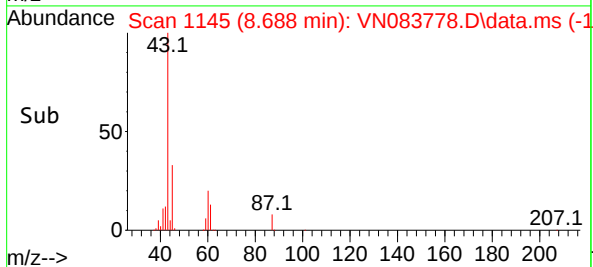
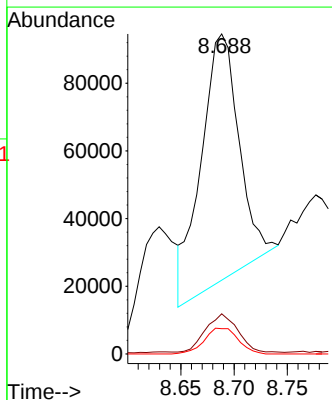
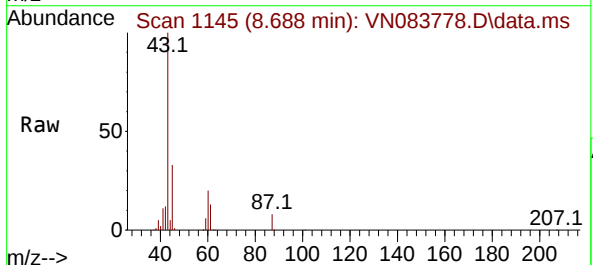
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#08

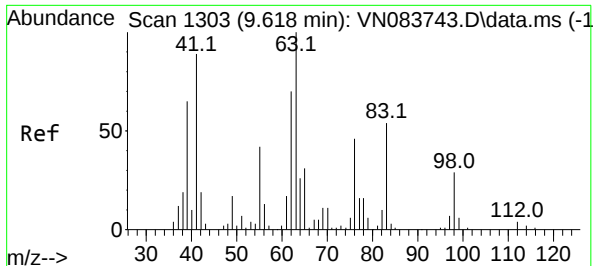
Tgt Ion: 62 Resp: 1312
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.6



#43
Isopropyl Acetate
Concen: 55.443 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN083778.D
Acq: 11 Sep 2024 07:38

Tgt Ion: 43 Resp: 182857
Ion Ratio Lower Upper
43 100
61 13.5 19.4 29.0#
87 9.2 9.8 14.6#





#45

1,2-Dichloropropane

Concen: 1.017 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.124 min

Lab File: VN083778.D

Acq: 11 Sep 2024 07:38

Instrument :

MSVOA_N

ClientSampleId :

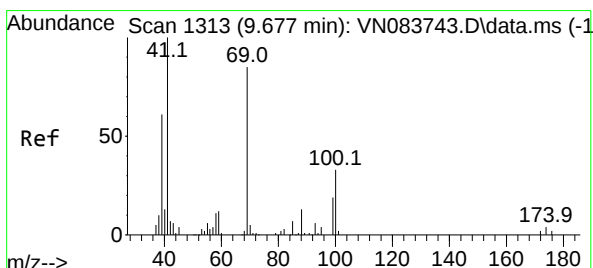
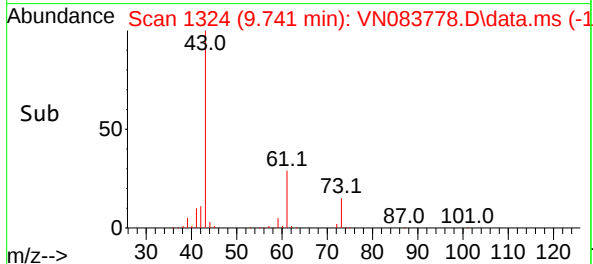
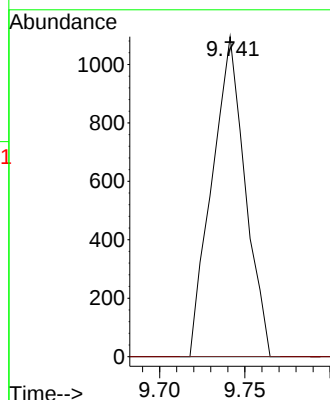
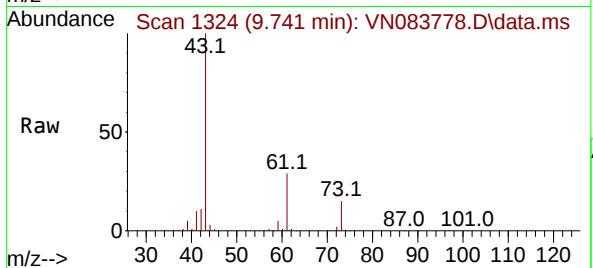
PB163204ZHE#08

Tgt Ion: 63 Resp: 1483

Ion Ratio Lower Upper

63 100

65 0.0 25.9 38.9#



#48

Methyl methacrylate

Concen: 2.062 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.006 min

Lab File: VN083778.D

Acq: 11 Sep 2024 07:38

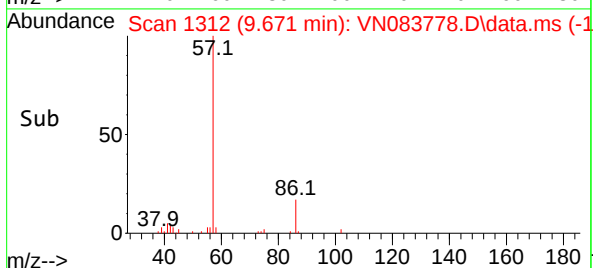
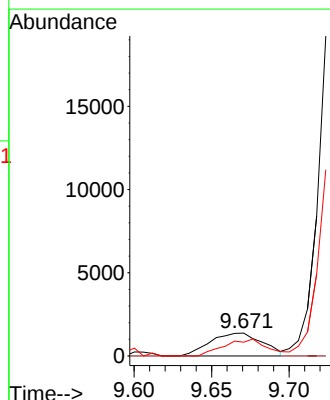
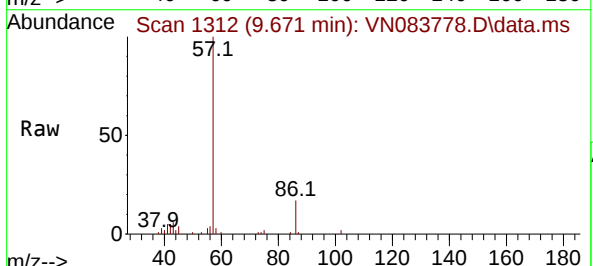
Tgt Ion: 41 Resp: 3227

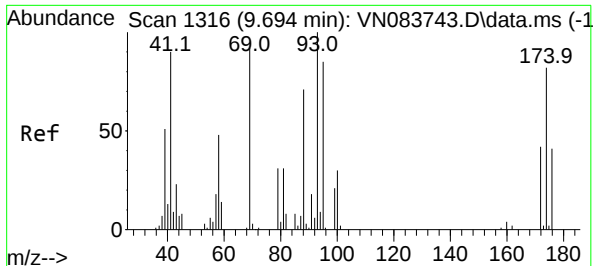
Ion Ratio Lower Upper

41 100

69 0.0 64.3 96.5#

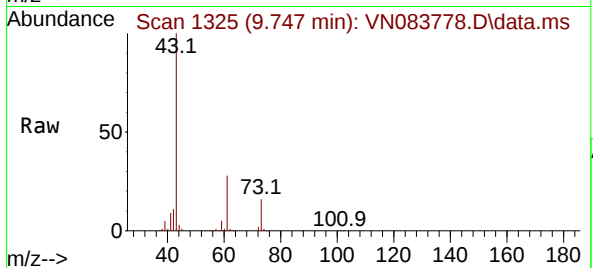
39 60.8 48.9 73.3



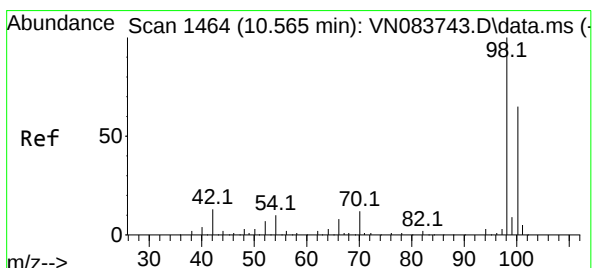
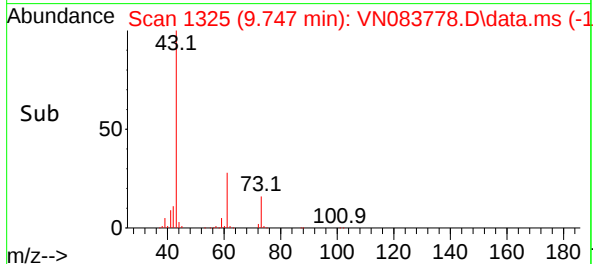
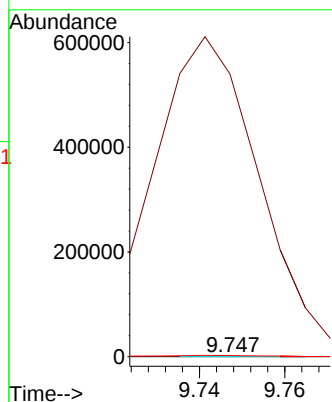


#49
1,4-Dioxane
Concen: 2.214 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.053 min
Lab File: VN083778.D
Acq: 11 Sep 2024 07:38

Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#08

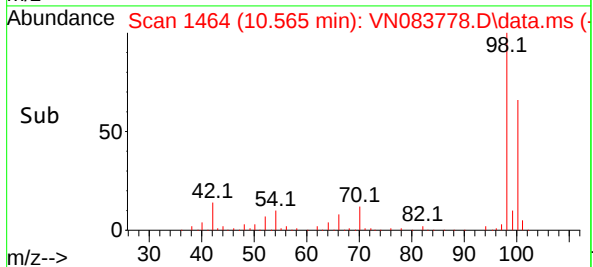
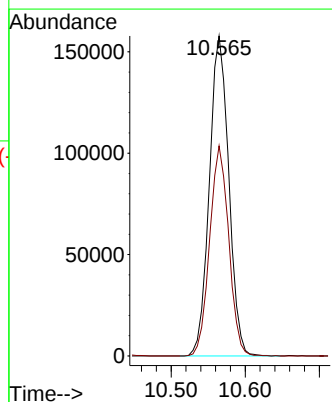
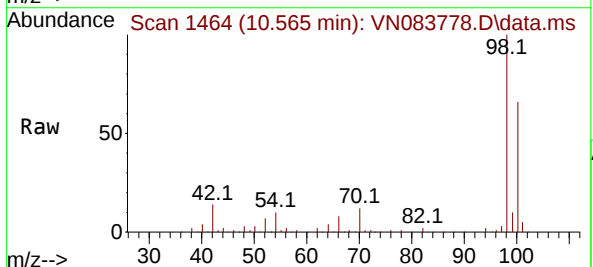


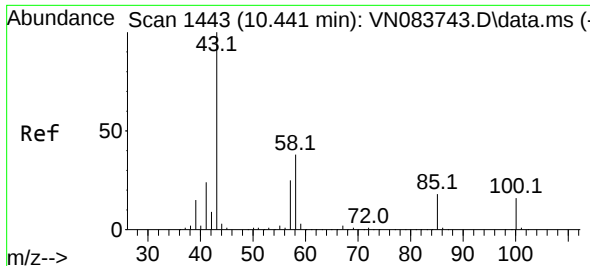
Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 1911547.4 0.0 0.0#
58 8117.5 57.1 85.7#



#50
Toluene-d8
Concen: 62.310 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN083778.D
Acq: 11 Sep 2024 07:38

Tgt Ion: 98 Resp: 286955
Ion Ratio Lower Upper
98 100
100 64.5 52.0 78.0

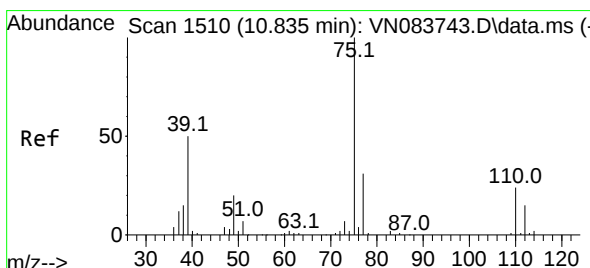
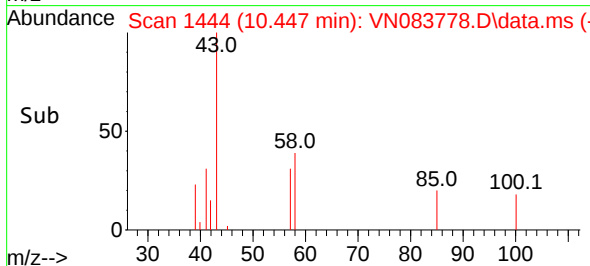
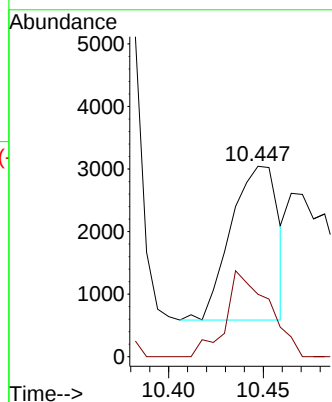
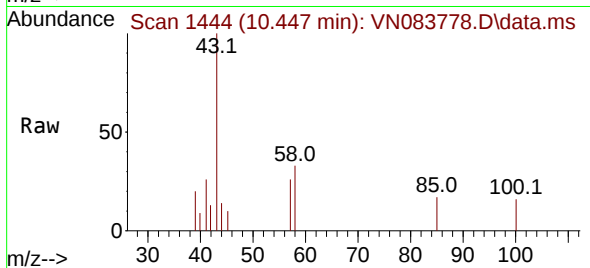




#51
4-Methyl-2-Pentanone
Concen: 2.373 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN083778.D
Acq: 11 Sep 2024 07:38

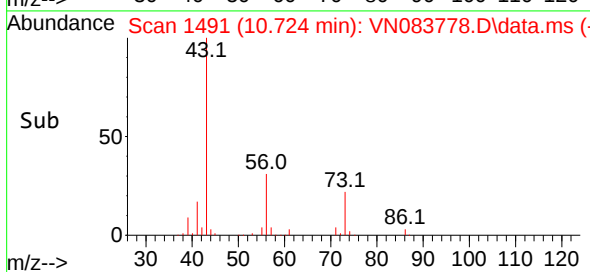
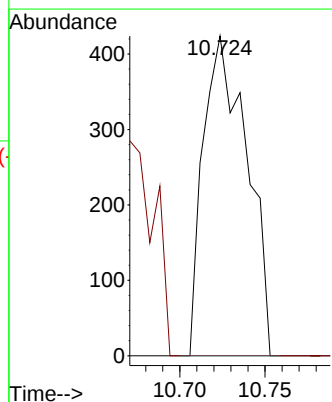
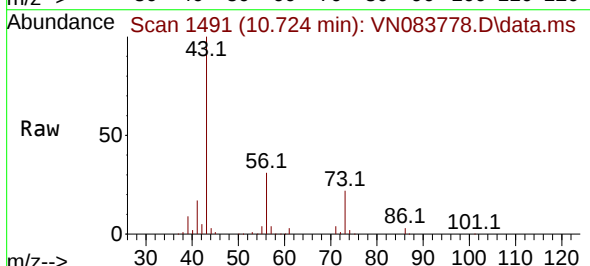
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#08

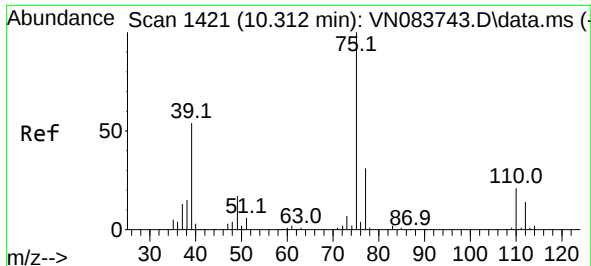
Tgt Ion: 43 Resp: 4260
Ion Ratio Lower Upper
43 100
58 50.8 31.6 47.4#



#53
t-1,3-Dichloropropene
Concen: 0.337 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN083778.D
Acq: 11 Sep 2024 07:38

Tgt Ion: 75 Resp: 755
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.6#

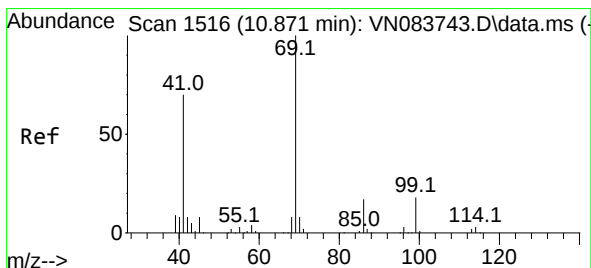
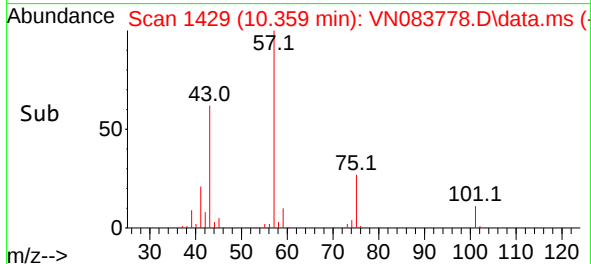
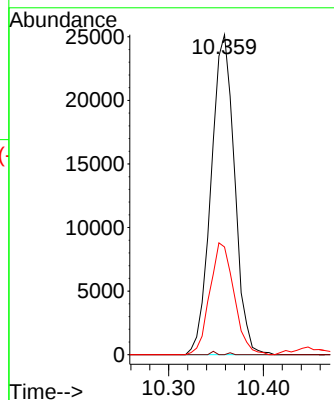
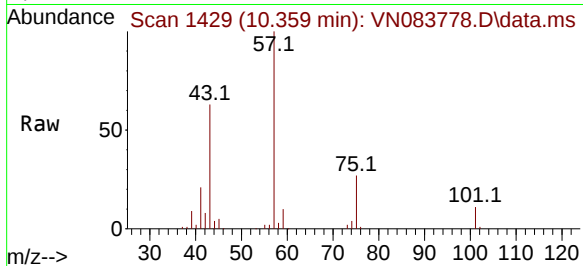




#54
 cis-1,3-Dichloropropene
 Concen: 18.367 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN083778.D
 Acq: 11 Sep 2024 07:38

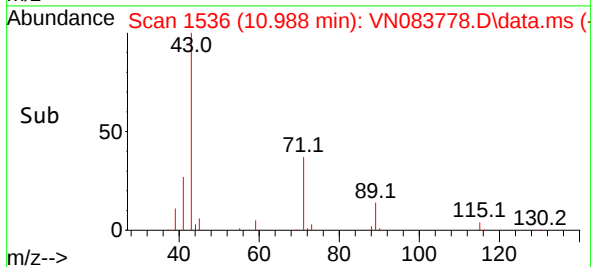
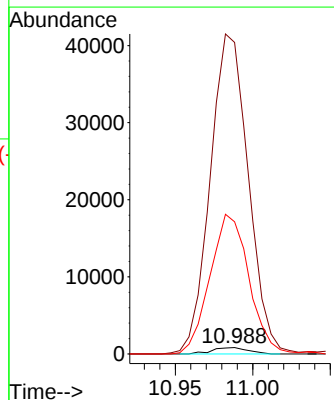
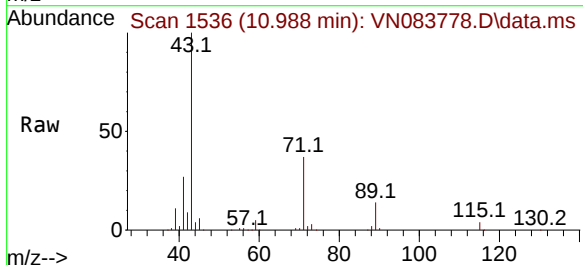
Instrument :
 MSVOA_N
 ClientSampleId :
 PB163204ZHE#08

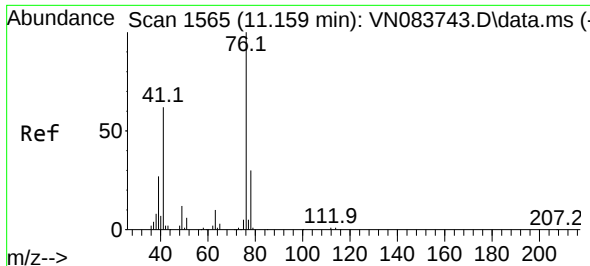
Tgt Ion: 75 Resp: 43240
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 33.7 42.6 64.0#



#56
 Ethyl methacrylate
 Concen: 0.629 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.118 min
 Lab File: VN083778.D
 Acq: 11 Sep 2024 07:38

Tgt Ion: 69 Resp: 1334
 Ion Ratio Lower Upper
 69 100
 41 5340.9 53.9 80.9#
 39 2385.6 32.6 48.8#





#57

1,3-Dichloropropane

Concen: 2.372 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.047 min

Lab File: VN083778.D

Acq: 11 Sep 2024 07:38

Instrument :

MSVOA_N

ClientSampleId :

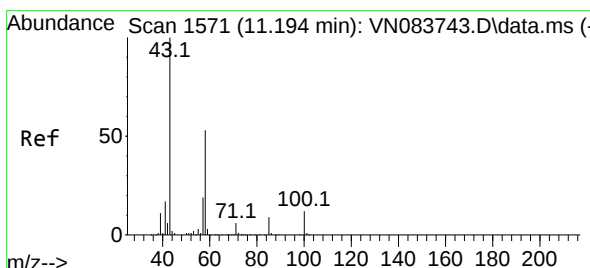
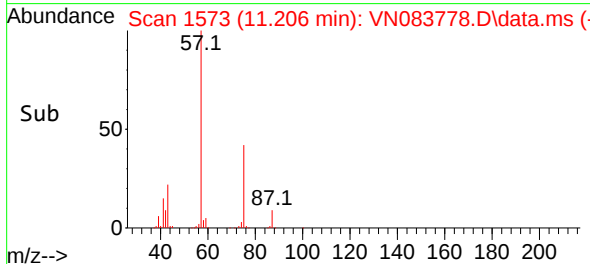
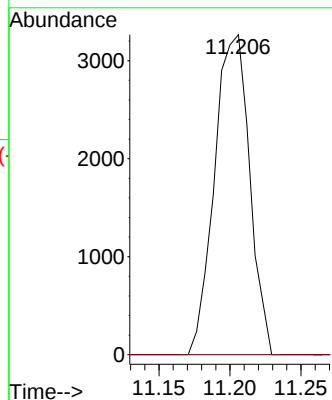
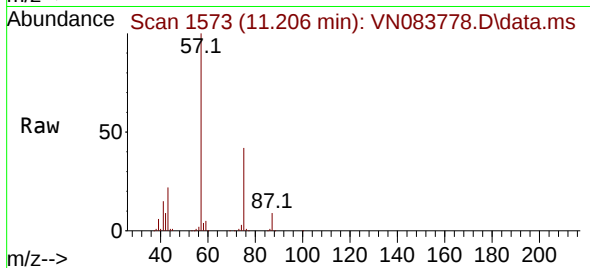
PB163204ZHE#08

Tgt Ion: 76 Resp: 5619

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 54.425 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN083778.D

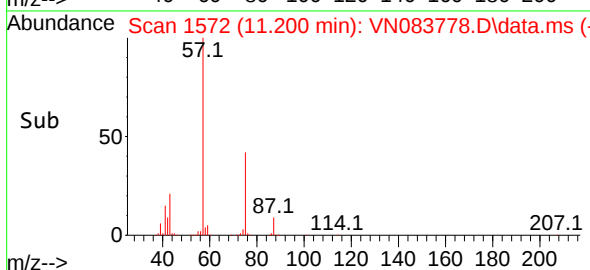
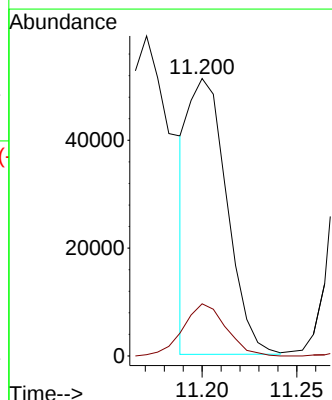
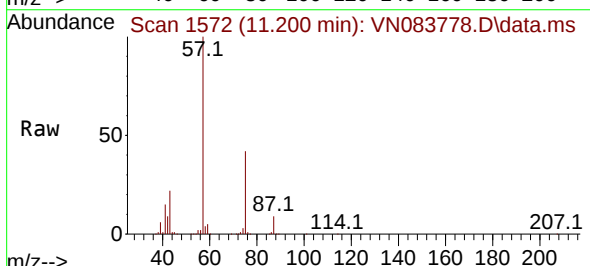
Acq: 11 Sep 2024 07:38

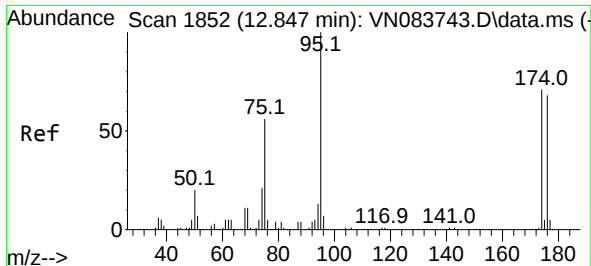
Tgt Ion: 43 Resp: 72278

Ion Ratio Lower Upper

43 100

58 21.2 27.2 81.5#

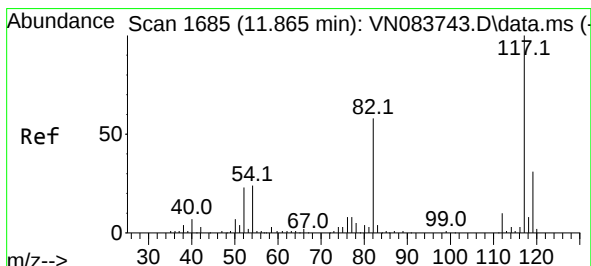
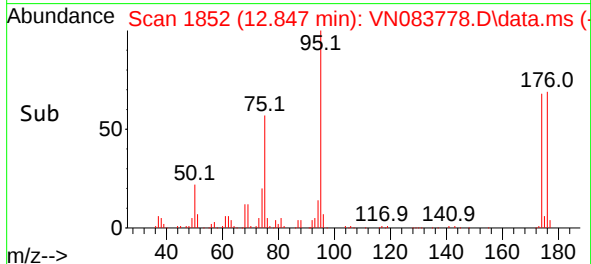
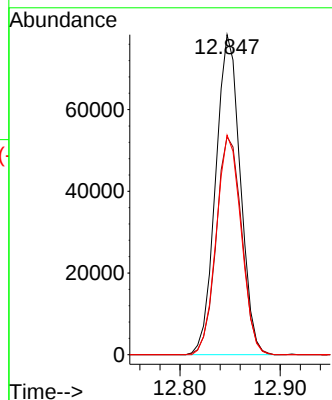
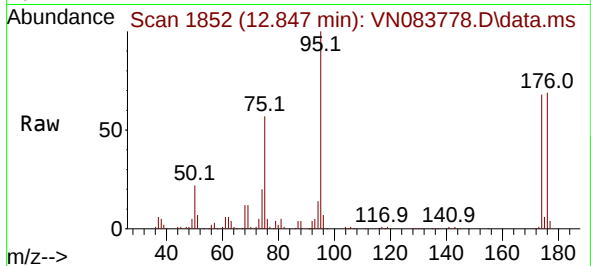




#62
4-Bromofluorobenzene
Concen: 70.253 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083778.D
Acq: 11 Sep 2024 07:38

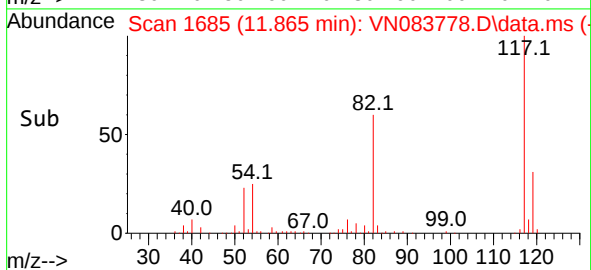
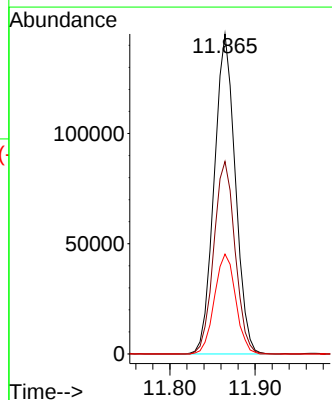
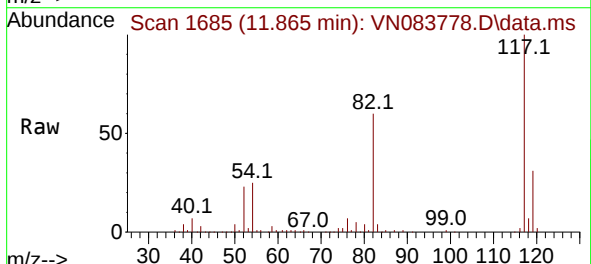
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#08

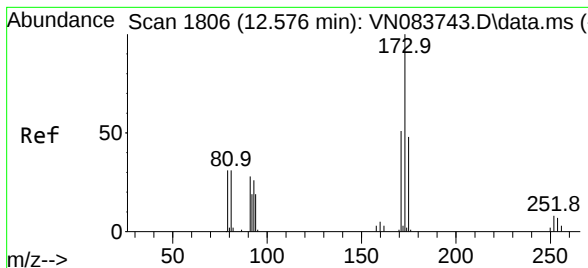
Tgt Ion: 95 Resp: 133482
Ion Ratio Lower Upper
95 100
174 70.4 0.0 139.8
176 69.3 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083778.D
Acq: 11 Sep 2024 07:38

Tgt Ion: 117 Resp: 249397
Ion Ratio Lower Upper
117 100
82 60.1 47.4 71.0
119 31.2 26.3 39.5





#71

Bromoform

Concen: 0.492 ug/l

RT: 12.841 min Scan# 1806

Delta R.T. 0.265 min

Lab File: VN083778.D

Acq: 11 Sep 2024 07:38

Instrument :

MSVOA_N

ClientSampleId :

PB163204ZHE#08

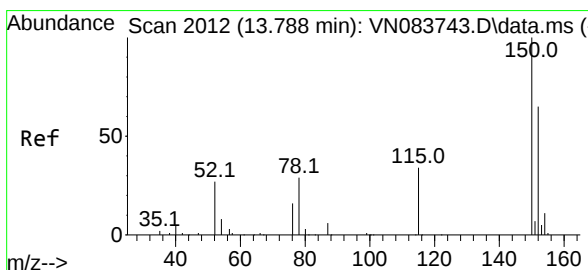
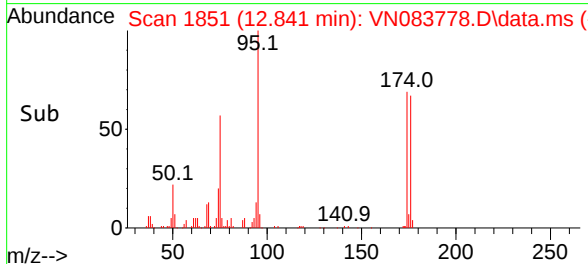
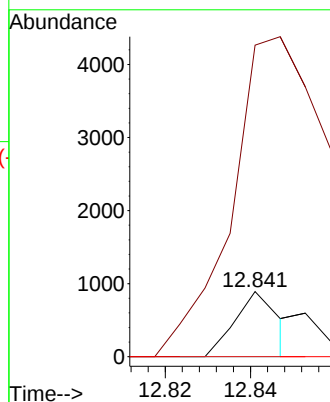
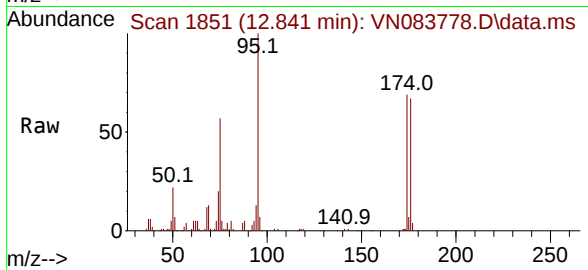
Tgt Ion:173 Resp: 637

Ion Ratio Lower Upper

173 100

175 853.7 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: VN083778.D

Acq: 11 Sep 2024 07:38

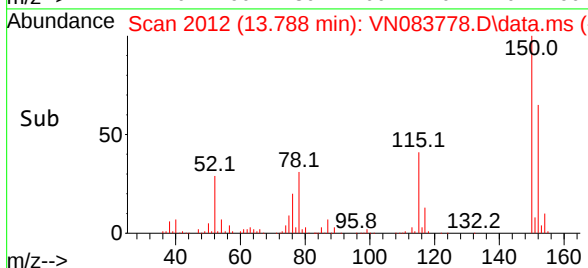
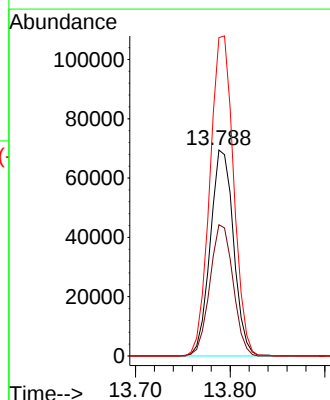
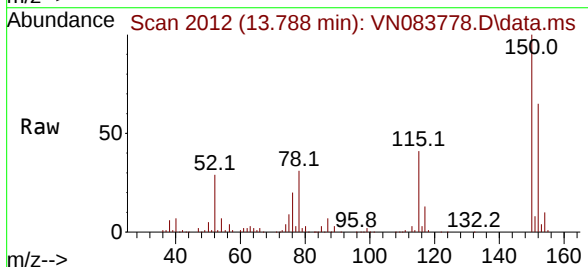
Tgt Ion:152 Resp: 118740

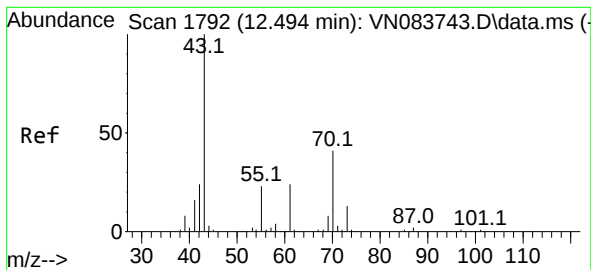
Ion Ratio Lower Upper

152 100

115 63.6 32.2 96.6

150 158.1 0.0 348.6





#74

N-amy1 acetate

Concen: 6.967 ug/l

RT: 12.306 min Scan# 1

Delta R.T. -0.188 min

Lab File: VN083778.D

Acq: 11 Sep 2024 07:38

Instrument :

MSVOA_N

ClientSampleId :

PB163204ZHE#08

Tgt Ion: 43 Resp: 27308

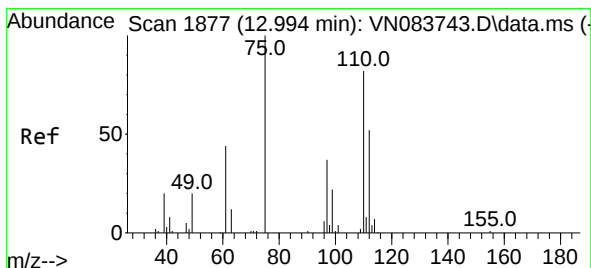
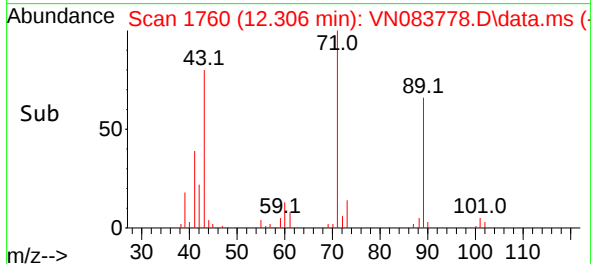
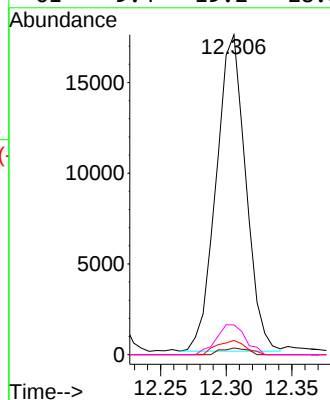
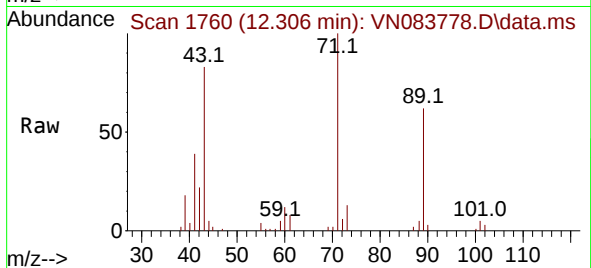
Ion Ratio Lower Upper

43 100

70 1.9 34.5 51.7#

55 4.4 18.6 28.0#

61 9.4 19.2 28.8#



#76

1,2,3-Trichloropropane

Concen: 31.871 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083778.D

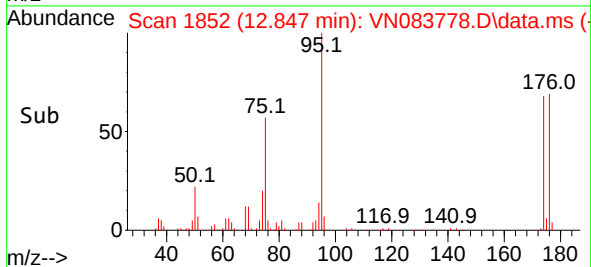
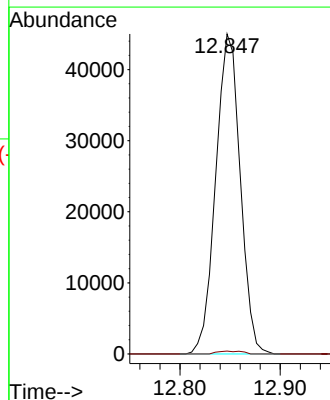
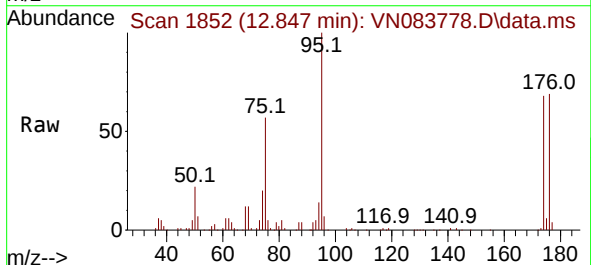
Acq: 11 Sep 2024 07:38

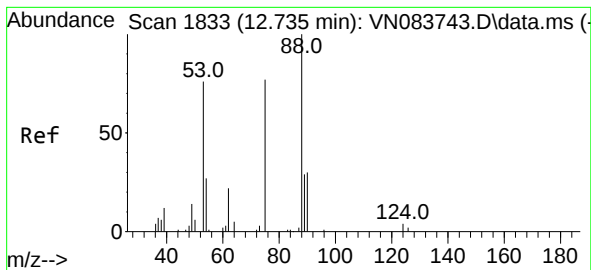
Tgt Ion: 75 Resp: 76361

Ion Ratio Lower Upper

75 100

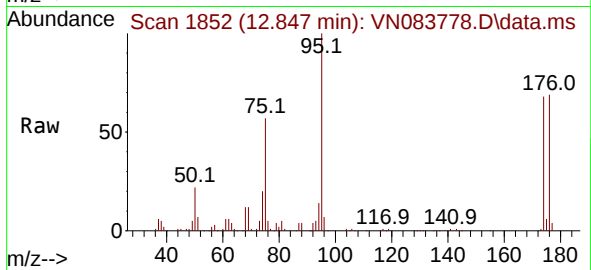
77 0.9 95.2 285.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.473 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN083778.D
 Acq: 11 Sep 2024 07:38

Instrument :
 MSVOA_N
 ClientSampleId :
 PB163204ZHE#08



Tgt Ion: 75 Resp: 76361
 Ion Ratio Lower Upper
 75 100
 53 0.1 81.2 121.8#
 89 0.0 35.7 53.5#

