

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
 Data File : VN083776.D
 Acq On : 11 Sep 2024 06:50
 Operator : JC\MD
 Sample : PB163204ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB163204ZHE#06

Quant Time: Sep 11 07:16:24 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)

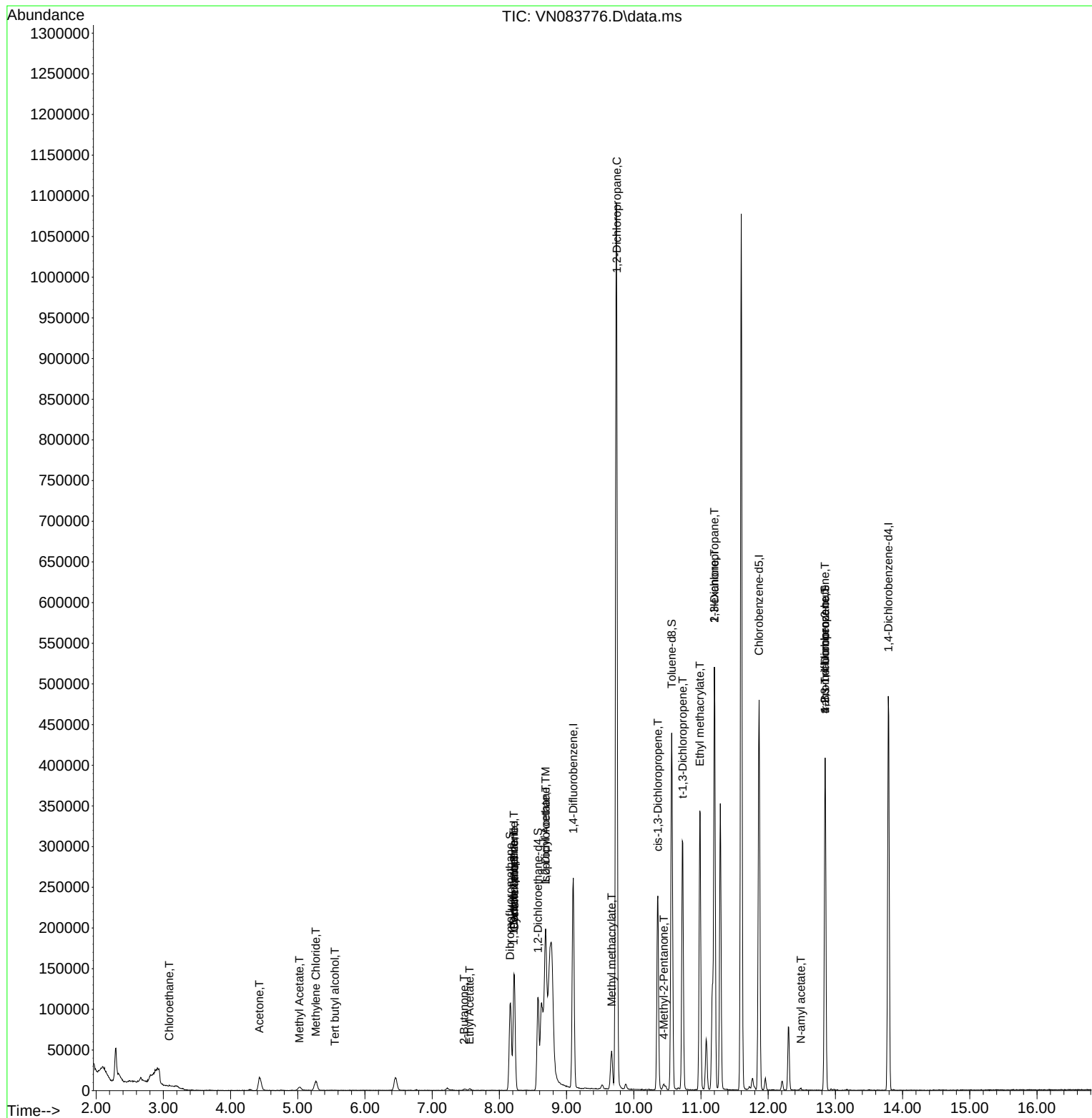
Internal Standards						
1) Pentafluorobenzene	8.218	168	96261	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	211565	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	254090	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	122763	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	97893	67.444	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 134.880%#	
35) Dibromofluoromethane	8.159	113	78208	57.743	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 115.480%	
50) Toluene-d8	10.565	98	289418	61.811	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 123.620%#	
62) 4-Bromofluorobenzene	12.847	95	135533	70.159	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 140.320%#	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	624	Below Cal	#	41
6) Chloroethane	3.089	64	823	0.968	ug/l #	45
11) Tert butyl alcohol	5.553	59	65	0.334	ug/l #	71
16) Acetone	4.430	43	29186	50.160	ug/l	95
18) Methyl Acetate	5.024	43	9243	5.991	ug/l #	84
20) Methylene Chloride	5.271	84	8621	7.240	ug/l	96
25) 2-Butanone	7.477	43	3095	4.047	ug/l	91
31) Cyclohexane	8.224	56	2500	1.192	ug/l #	58
36) 1,1-Dichloropropene	8.212	75	8971	4.401	ug/l #	54
37) Ethyl Acetate	7.559	43	3381	1.827	ug/l #	75
38) Carbon Tetrachloride	8.218	117	11175	4.832	ug/l #	18
42) 1,2-Dichloroethane	8.688	62	918	0.400	ug/l #	77
43) Isopropyl Acetate	8.688	43	259224	77.306	ug/l #	75
45) 1,2-Dichloropropane	9.747	63	1120	0.755	ug/l #	42
48) Methyl methacrylate	9.671	41	3338	2.098	ug/l #	44
51) 4-Methyl-2-Pentanone	10.447	43	8857	4.852	ug/l #	69
53) t-1,3-Dichloropropene	10.729	75	738	0.324	ug/l #	42
54) cis-1,3-Dichloropropene	10.359	75	40979	17.120	ug/l #	64
56) Ethyl methacrylate	10.982	69	1264	0.586	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5184	2.153	ug/l #	42
59) 2-Hexanone	11.200	43	67477	49.974	ug/l #	53
74) N-amyl acetate	12.488	43	1483	0.366	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	78891	31.848	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	78891	83.412	ug/l #	9

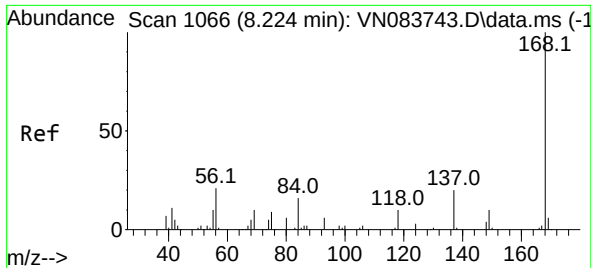
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Sep 11 03:05:46 2024
Response via : Initial Calibration

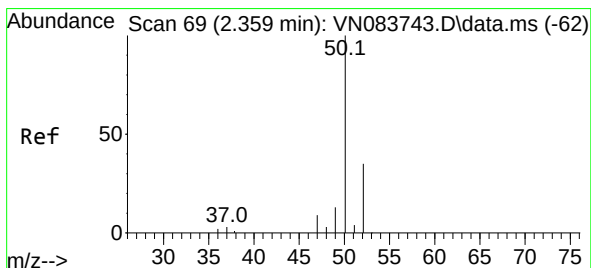
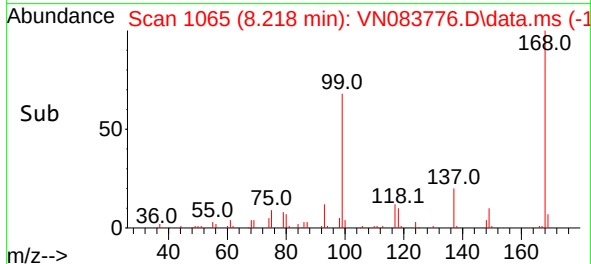
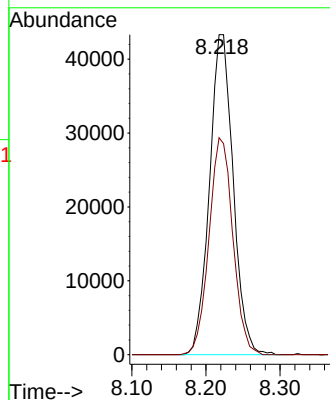
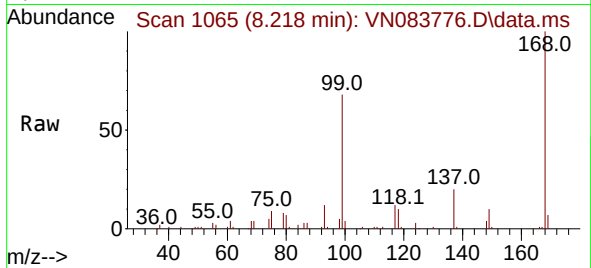




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN083776.D
Acq: 11 Sep 2024 06:50

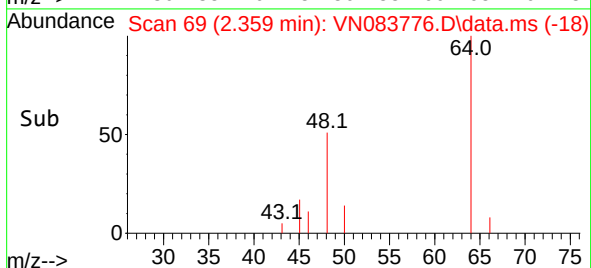
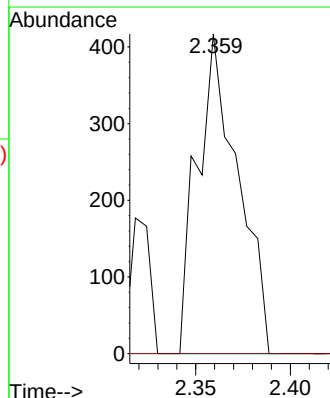
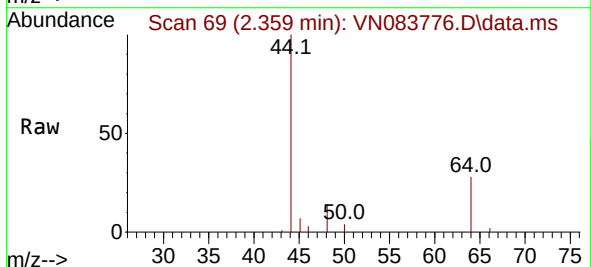
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#06

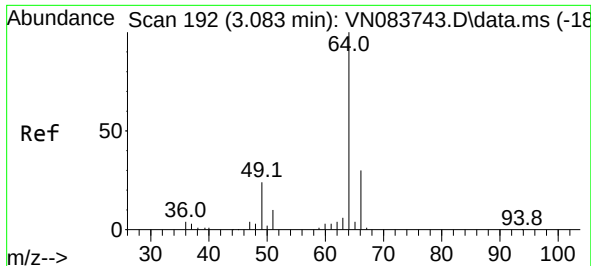
Tgt Ion:168 Resp: 96261
Ion Ratio Lower Upper
168 100
99 67.8 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083776.D
Acq: 11 Sep 2024 06:50

Tgt Ion: 50 Resp: 624
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

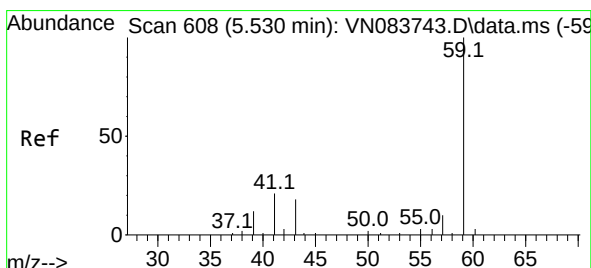
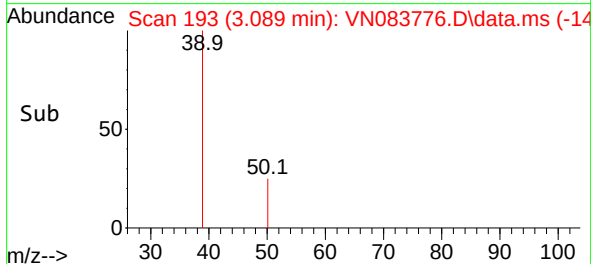
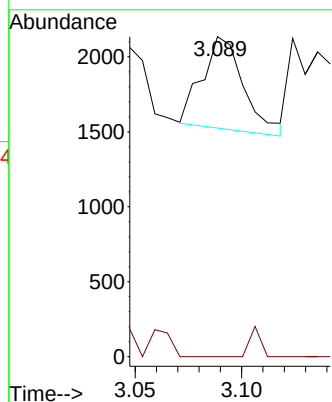
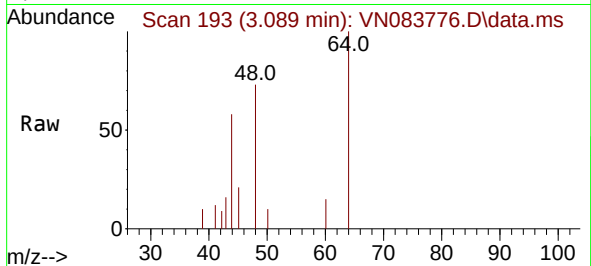




#6
Chloroethane
Concen: 0.968 ug/l
RT: 3.089 min Scan# 19
Delta R.T. 0.006 min
Lab File: VN083776.D
Acq: 11 Sep 2024 06:50

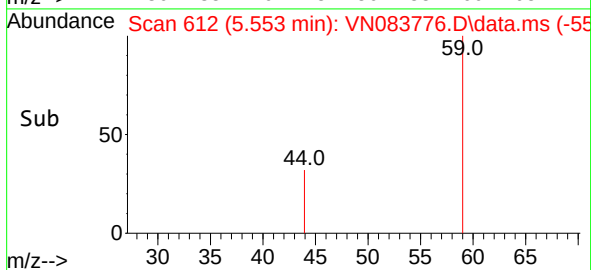
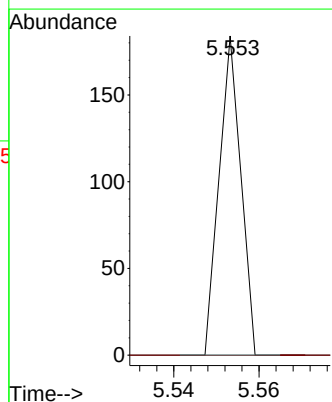
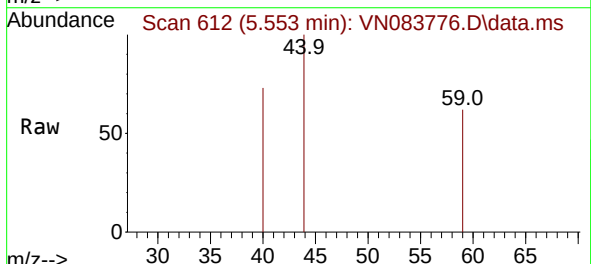
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#06

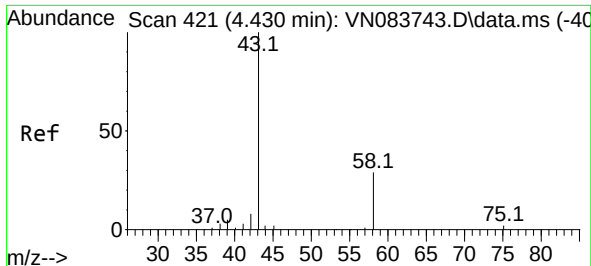
Tgt Ion: 64 Resp: 823
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#



#11
Tert butyl alcohol
Concen: 0.334 ug/l
RT: 5.553 min Scan# 612
Delta R.T. 0.023 min
Lab File: VN083776.D
Acq: 11 Sep 2024 06:50

Tgt Ion: 59 Resp: 65
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

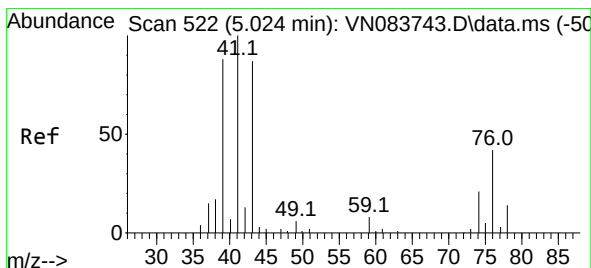
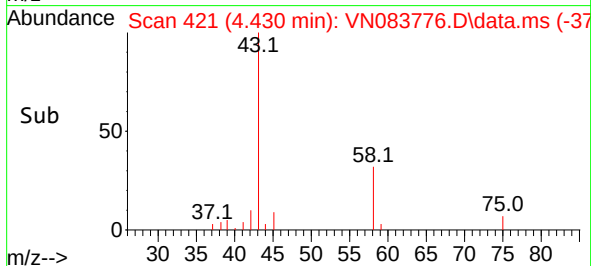
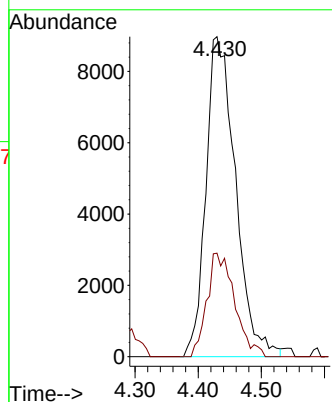
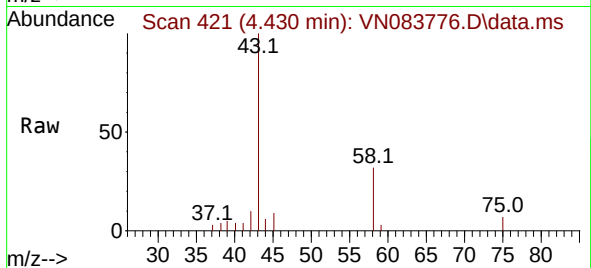




#16
Acetone
Concen: 50.160 ug/l
RT: 4.430 min Scan# 421
Delta R.T. -0.000 min
Lab File: VN083776.D
Acq: 11 Sep 2024 06:50

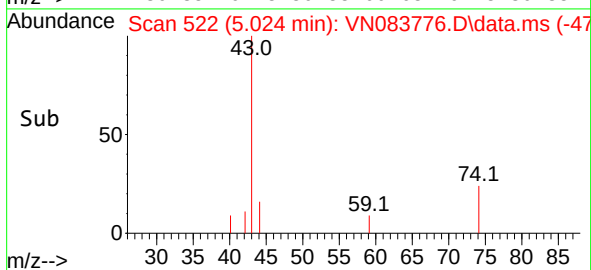
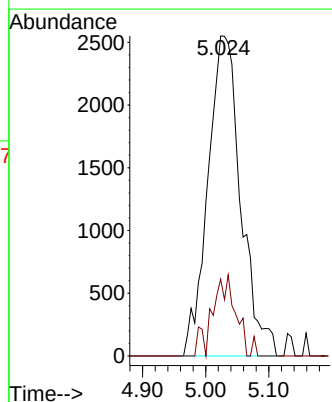
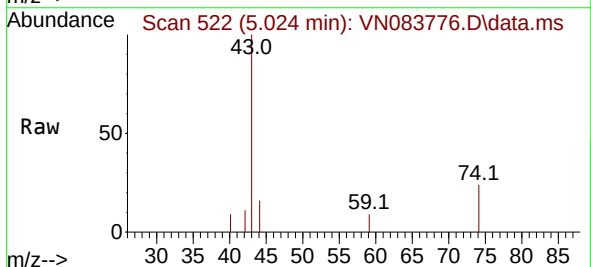
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#06

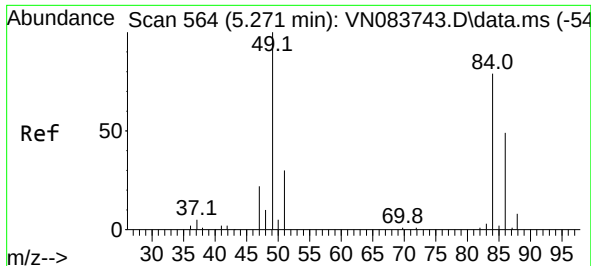
Tgt Ion: 43 Resp: 29186
Ion Ratio Lower Upper
43 100
58 32.3 23.7 35.5



#18
Methyl Acetate
Concen: 5.991 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN083776.D
Acq: 11 Sep 2024 06:50

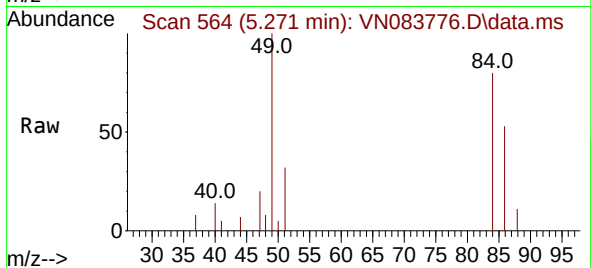
Tgt Ion: 43 Resp: 9243
Ion Ratio Lower Upper
43 100
74 16.0 19.0 28.4#



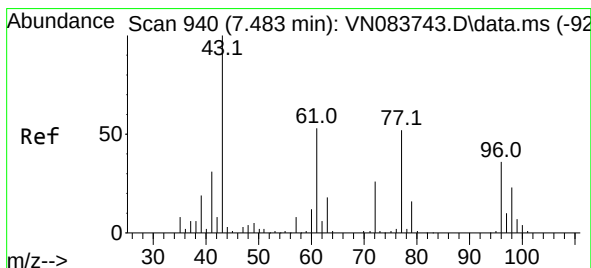
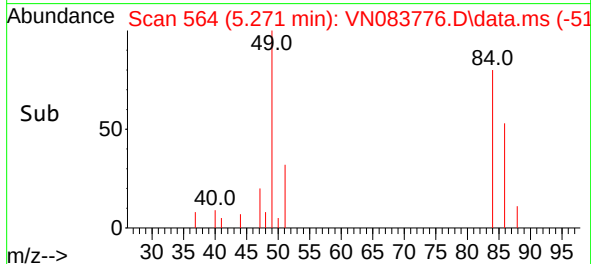
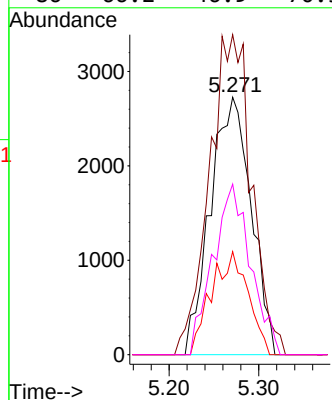


#20
Methylene Chloride
Concen: 7.240 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN083776.D
Acq: 11 Sep 2024 06:50

Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#06

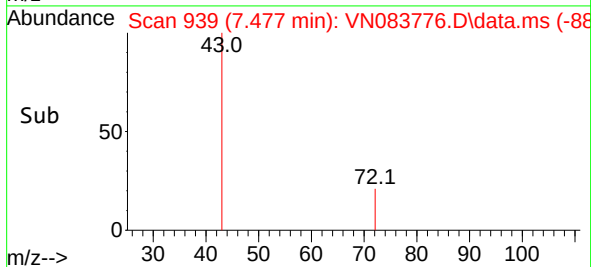
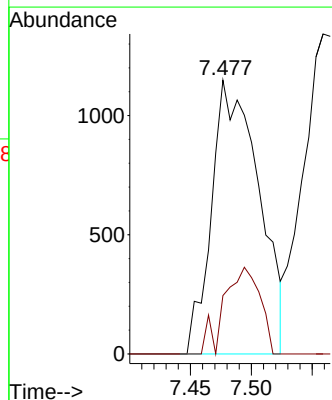
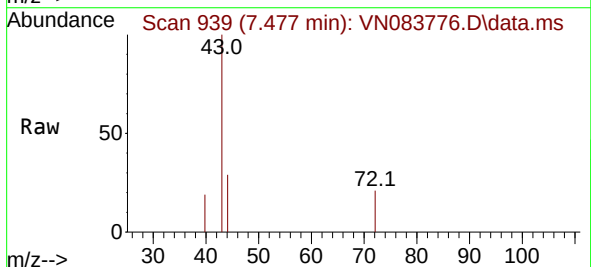


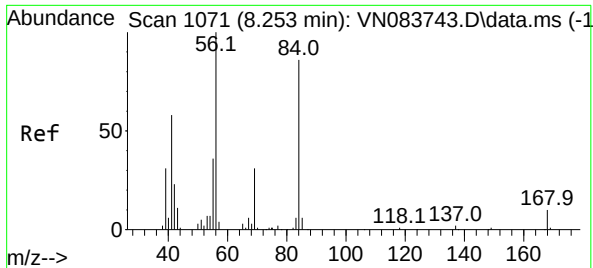
Tgt Ion:	84	Resp:	8621
Ion	Ratio	Lower	Upper
84	100		
49	117.7	93.4	140.0
51	40.0	29.2	43.8
86	66.2	46.9	70.3



#25
2-Butanone
Concen: 4.047 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN083776.D
Acq: 11 Sep 2024 06:50

Tgt Ion:	43	Resp:	3095
Ion	Ratio	Lower	Upper
43	100		
72	21.3	20.8	31.2

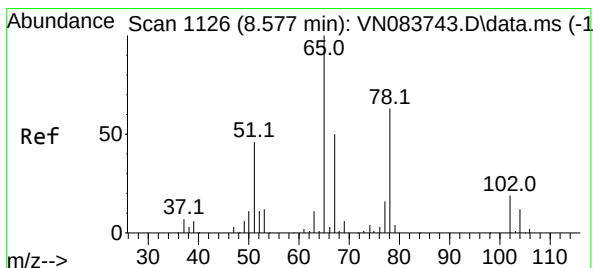
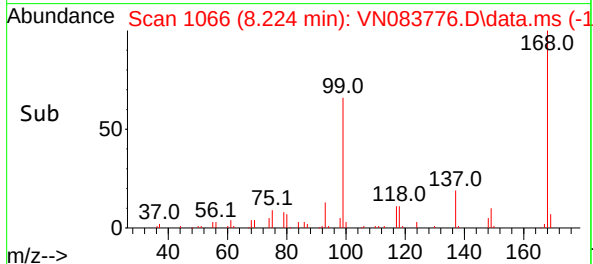
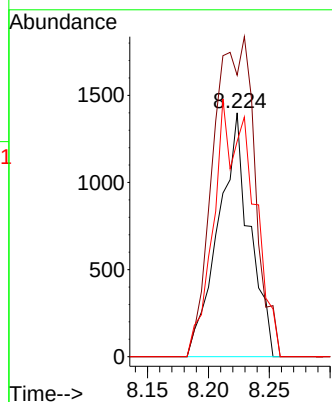
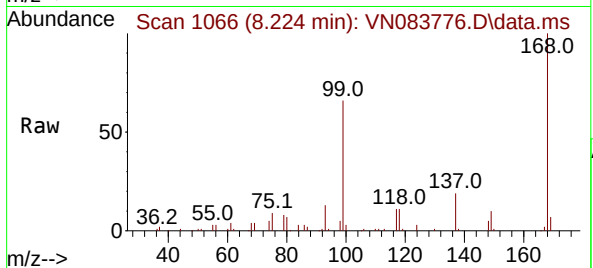




#31
Cyclohexane
Concen: 1.192 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN083776.D
Acq: 11 Sep 2024 06:50

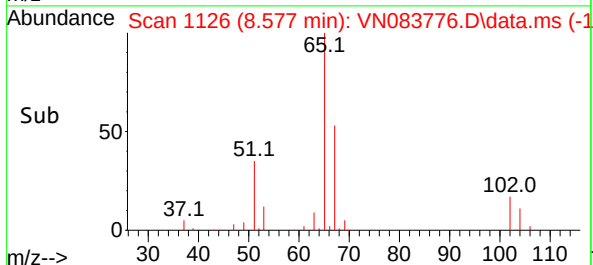
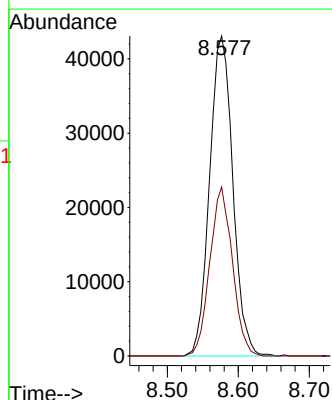
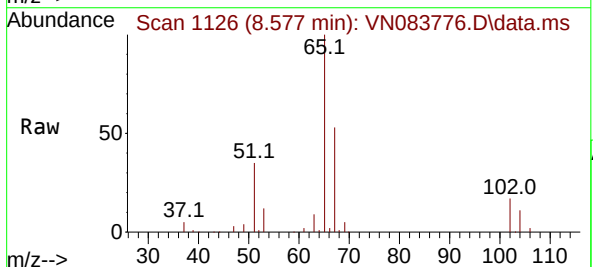
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#06

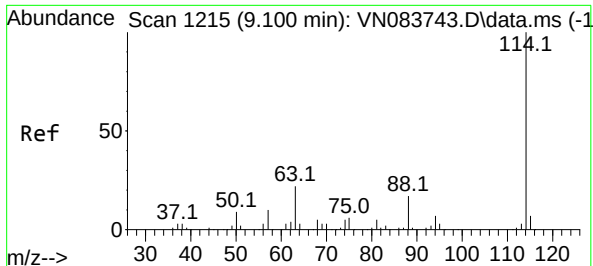
Tgt Ion: 56 Resp: 2500
Ion Ratio Lower Upper
56 100
69 115.4 26.9 40.3#
84 88.3 69.2 103.8



#33
1,2-Dichloroethane-d4
Concen: 67.444 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN083776.D
Acq: 11 Sep 2024 06:50

Tgt Ion: 65 Resp: 97893
Ion Ratio Lower Upper
65 100
67 51.3 0.0 100.8

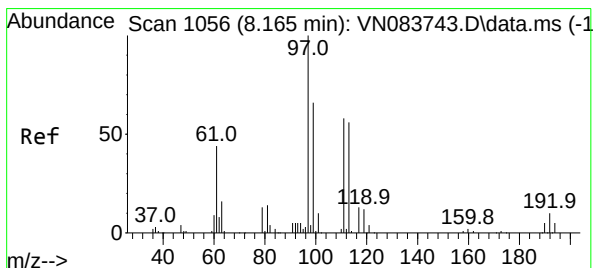
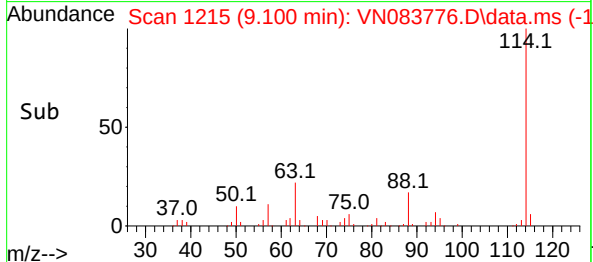
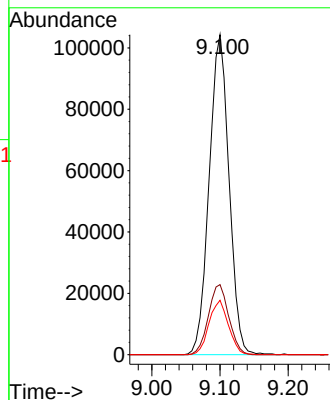
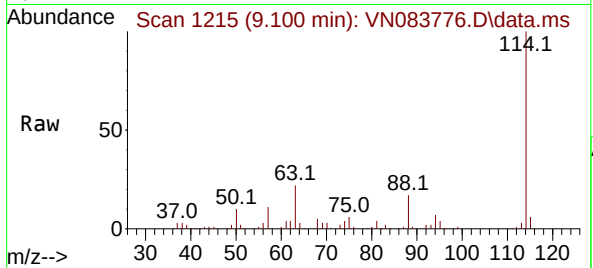




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN083776.D
Acq: 11 Sep 2024 06:50

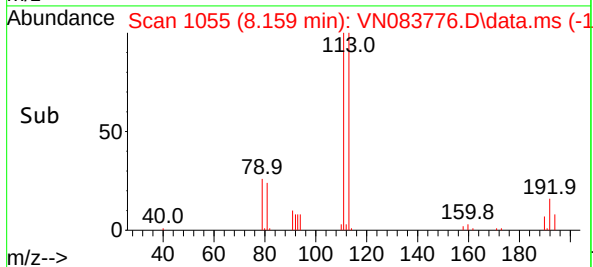
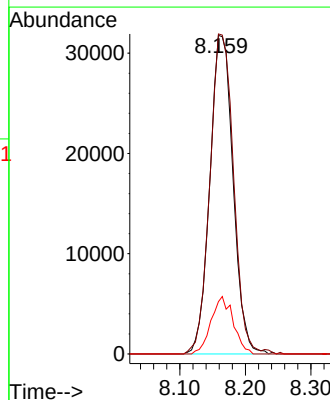
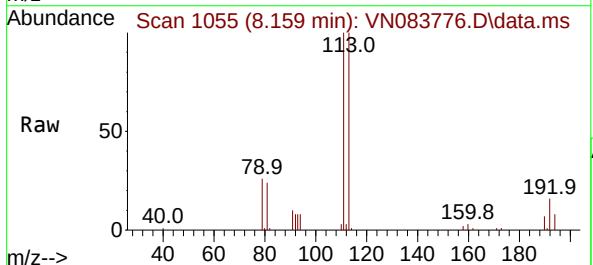
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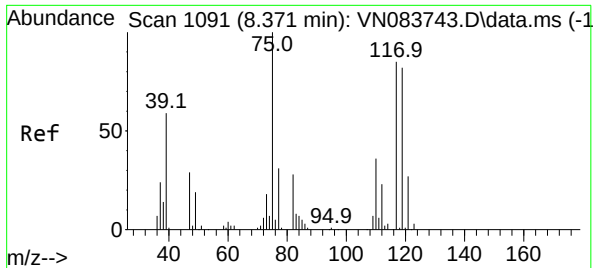
Tgt Ion:114 Resp: 211565
Ion Ratio Lower Upper
114 100
63 21.9 0.0 43.4
88 17.0 0.0 32.6



#35
Dibromofluoromethane
Concen: 57.743 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN083776.D
Acq: 11 Sep 2024 06:50

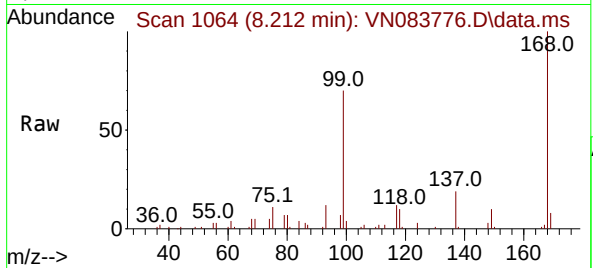
Tgt Ion:113 Resp: 78208
Ion Ratio Lower Upper
113 100
111 102.3 82.6 124.0
192 17.2 14.3 21.5



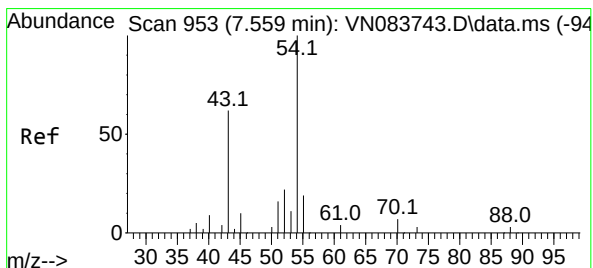
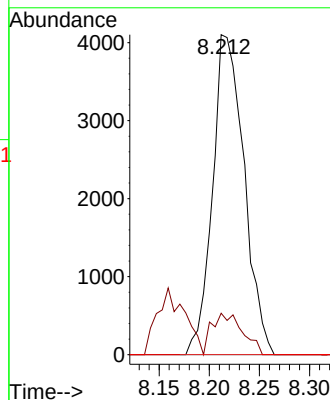
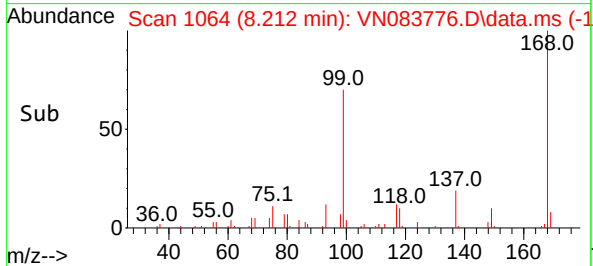


#36
1,1-Dichloropropene
Concen: 4.401 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.159 min
Lab File: VN083776.D
Acq: 11 Sep 2024 06:50

Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#06

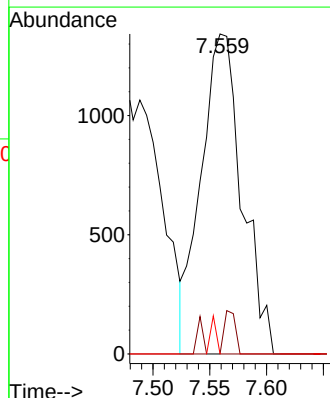
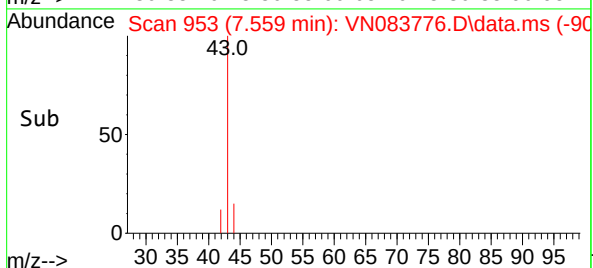
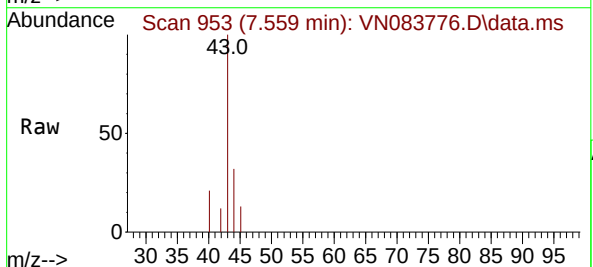


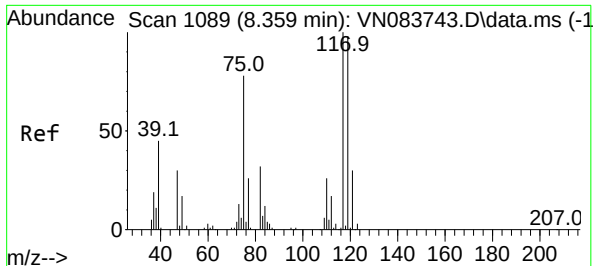
Tgt Ion: 75 Resp: 8971
Ion Ratio Lower Upper
75 100
110 12.7 16.7 50.1#
77 0.0 25.2 37.8#



#37
Ethyl Acetate
Concen: 1.827 ug/l
RT: 7.559 min Scan# 953
Delta R.T. -0.000 min
Lab File: VN083776.D
Acq: 11 Sep 2024 06:50

Tgt Ion: 43 Resp: 3381
Ion Ratio Lower Upper
43 100
61 3.7 11.1 16.7#
70 1.7 8.8 13.2#

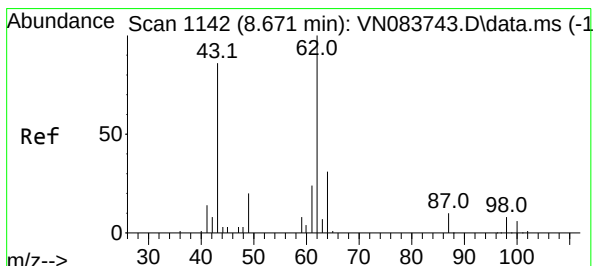
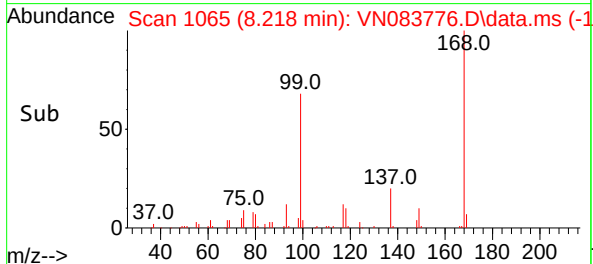
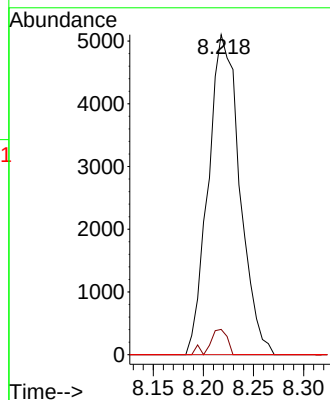
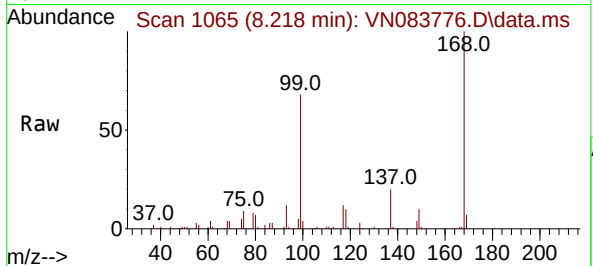




#38
Carbon Tetrachloride
Concen: 4.832 ug/l
RT: 8.218 min Scan# 1117
Delta R.T. -0.141 min
Lab File: VN083776.D
Acq: 11 Sep 2024 06:50

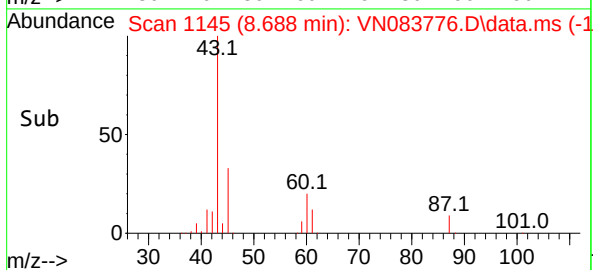
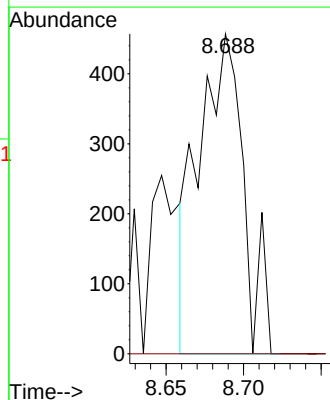
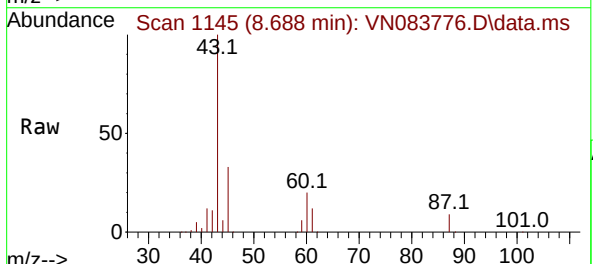
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#06

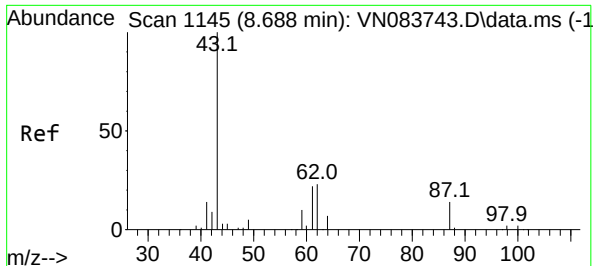
Tgt Ion:117 Resp: 11175
Ion Ratio Lower Upper
117 100
119 7.9 76.1 114.1#
121 0.0 24.1 36.1#



#42
1,2-Dichloroethane
Concen: 0.400 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN083776.D
Acq: 11 Sep 2024 06:50

Tgt Ion: 62 Resp: 918
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.6





#43

Isopropyl Acetate

Concen: 77.306 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN083776.D

Acq: 11 Sep 2024 06:50

Instrument :

MSVOA_N

ClientSampleId :

PB163204ZHE#06

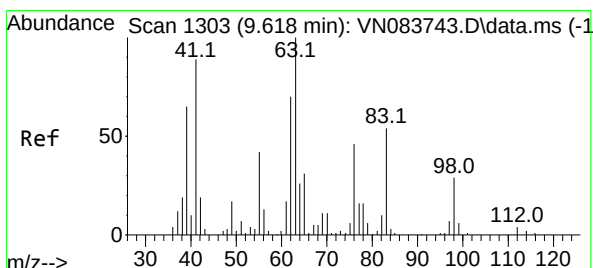
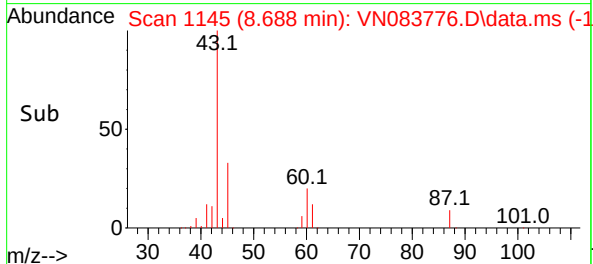
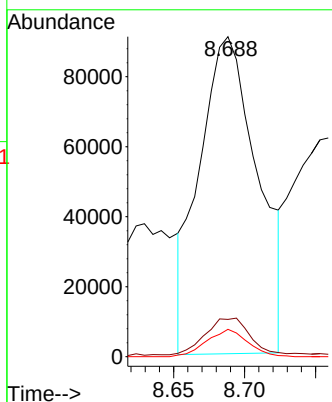
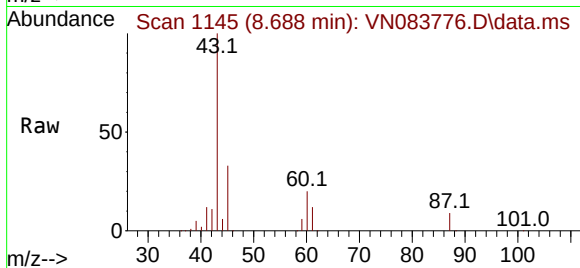
Tgt Ion: 43 Resp: 259224

Ion Ratio Lower Upper

43 100

61 9.2 19.4 29.0#

87 6.0 9.8 14.6#



#45

1,2-Dichloropropane

Concen: 0.755 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.129 min

Lab File: VN083776.D

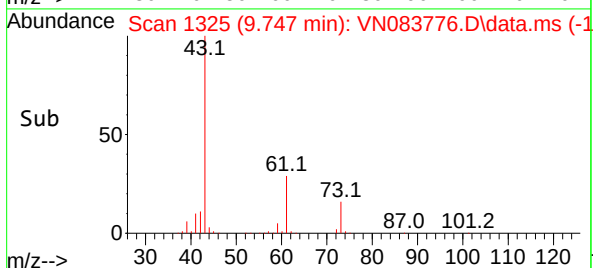
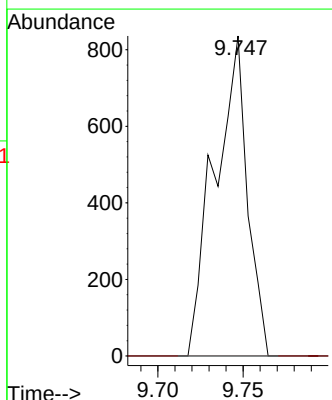
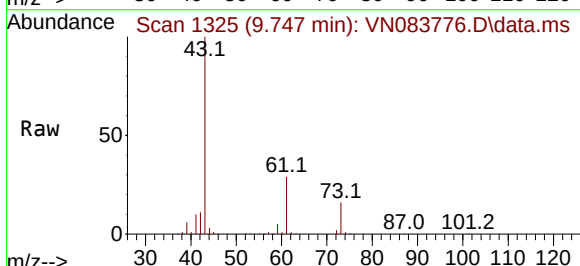
Acq: 11 Sep 2024 06:50

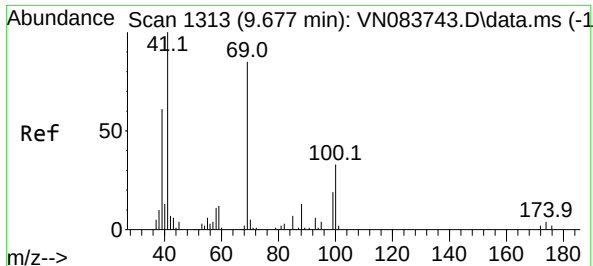
Tgt Ion: 63 Resp: 1120

Ion Ratio Lower Upper

63 100

65 0.0 25.9 38.9#





#48

Methyl methacrylate

Concen: 2.098 ug/l

RT: 9.671 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN083776.D

Acq: 11 Sep 2024 06:50

Instrument :

MSVOA_N

ClientSampleId :

PB163204ZHE#06

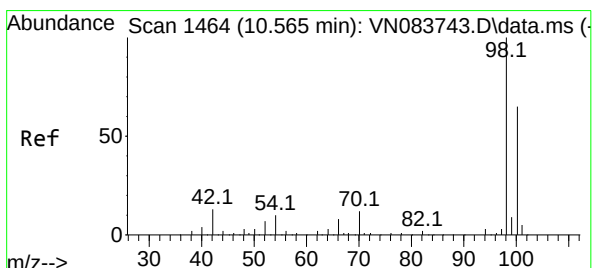
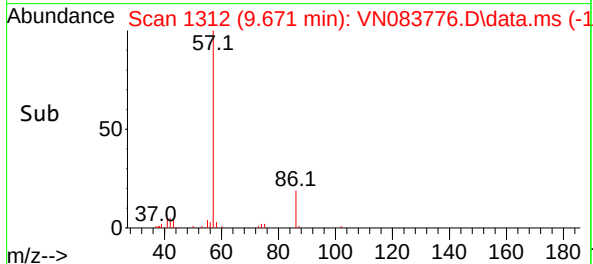
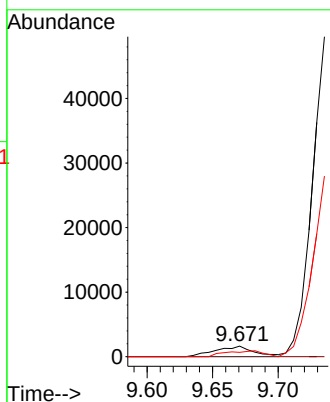
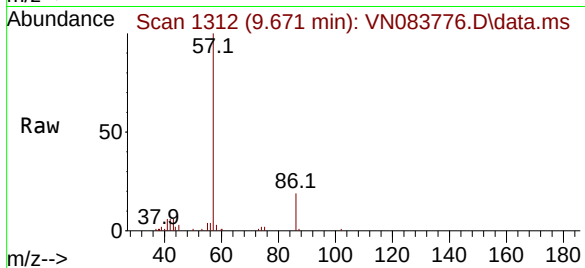
Tgt Ion: 41 Resp: 3338

Ion Ratio Lower Upper

41 100

69 0.0 64.3 96.5#

39 54.1 48.9 73.3



#50

Toluene-d8

Concen: 61.811 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083776.D

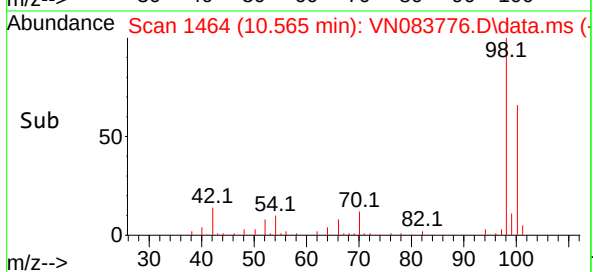
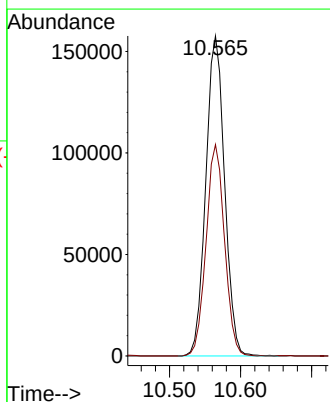
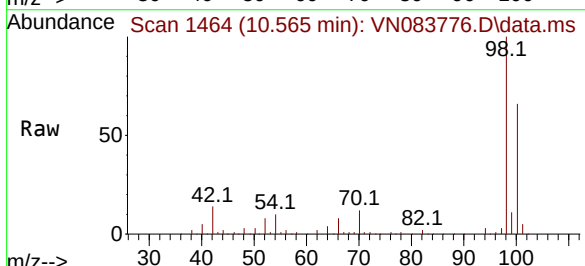
Acq: 11 Sep 2024 06:50

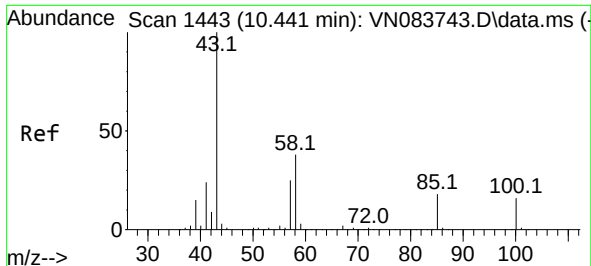
Tgt Ion: 98 Resp: 289418

Ion Ratio Lower Upper

98 100

100 65.0 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 4.852 ug/l

RT: 10.447 min Scan# 1443

Delta R.T. 0.006 min

Lab File: VN083776.D

Acq: 11 Sep 2024 06:50

Instrument :

MSVOA_N

ClientSampleId :

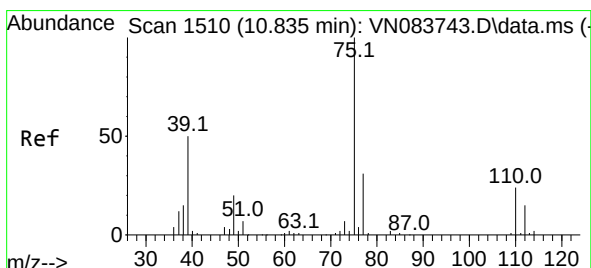
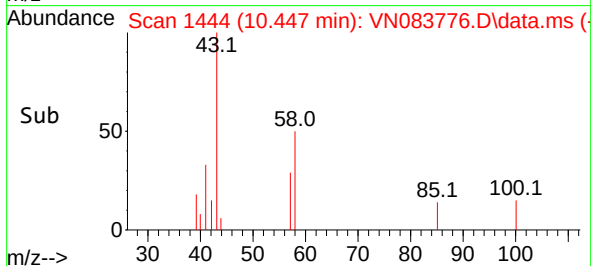
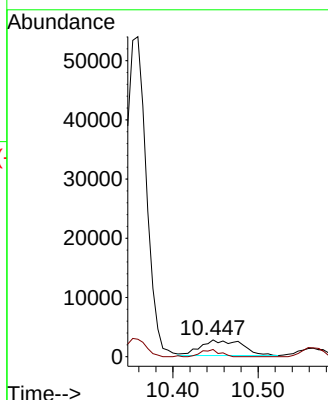
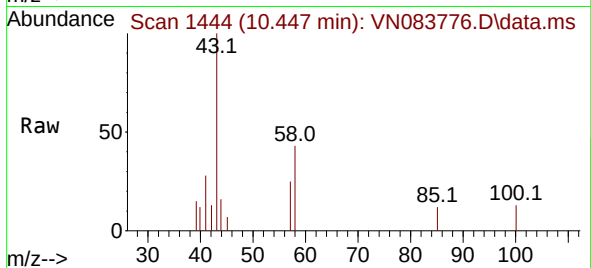
PB163204ZHE#06

Tgt Ion: 43 Resp: 8857

Ion Ratio Lower Upper

43 100

58 20.6 31.6 47.4#



#53

t-1,3-Dichloropropene

Concen: 0.324 ug/l

RT: 10.729 min Scan# 1492

Delta R.T. -0.106 min

Lab File: VN083776.D

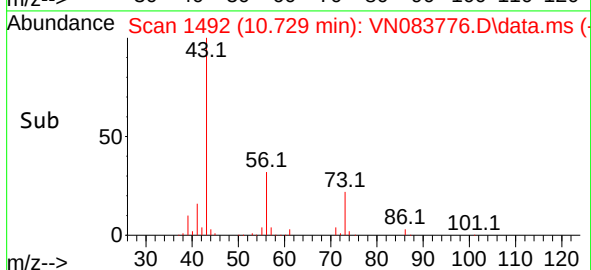
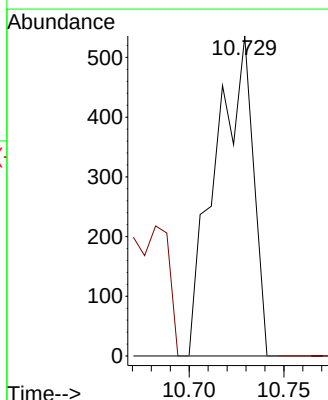
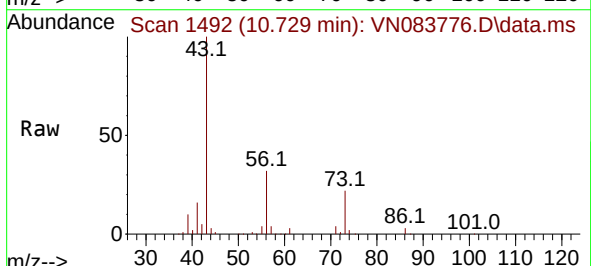
Acq: 11 Sep 2024 06:50

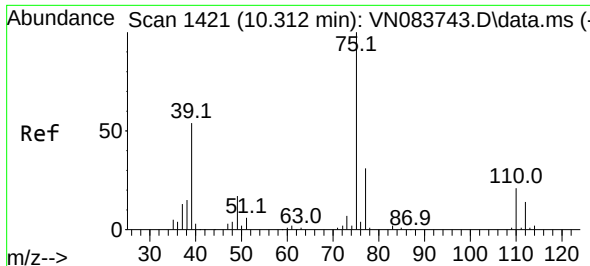
Tgt Ion: 75 Resp: 738

Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.6#

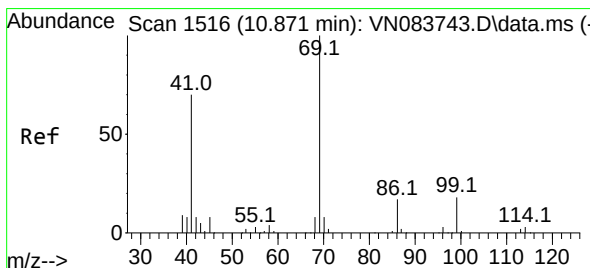
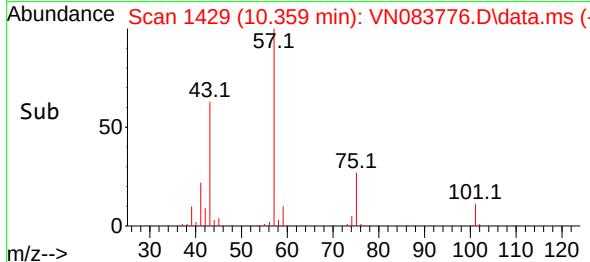
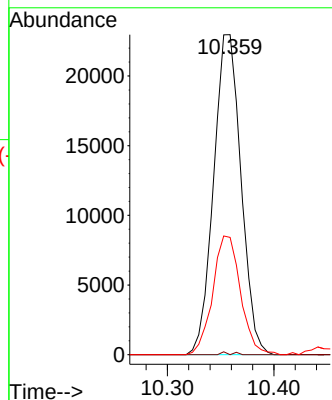
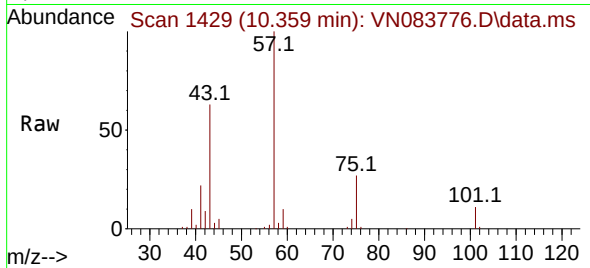




#54
cis-1,3-Dichloropropene
Concen: 17.120 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN083776.D
Acq: 11 Sep 2024 06:50

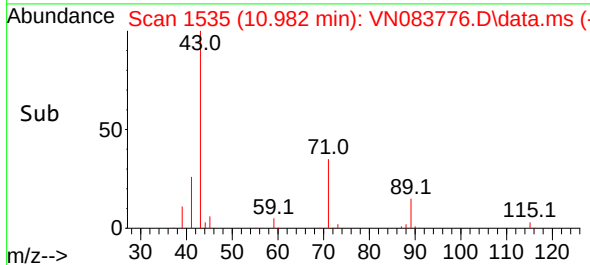
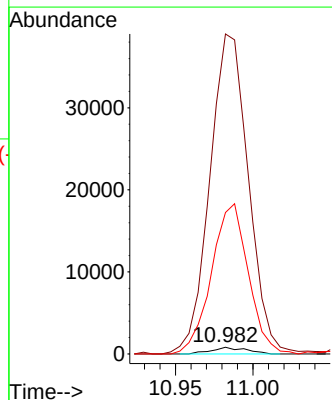
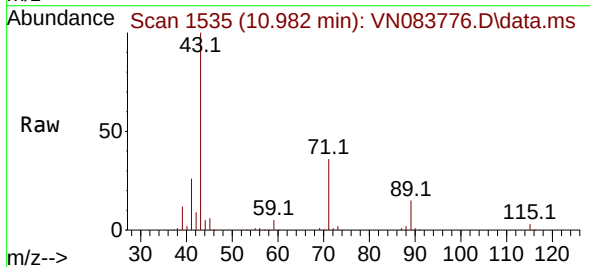
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#06

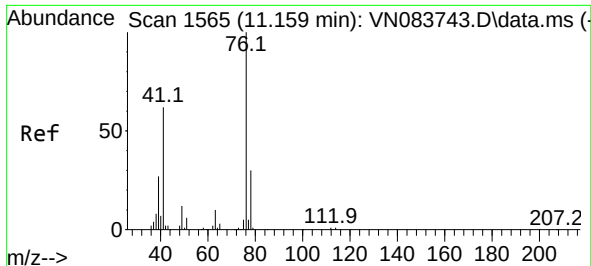
Tgt Ion: 75 Resp: 40979
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.6#
39 36.6 42.6 64.0#



#56
Ethyl methacrylate
Concen: 0.586 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.112 min
Lab File: VN083776.D
Acq: 11 Sep 2024 06:50

Tgt Ion: 69 Resp: 1264
Ion Ratio Lower Upper
69 100
41 5362.7 53.9 80.9#
39 2395.6 32.6 48.8#

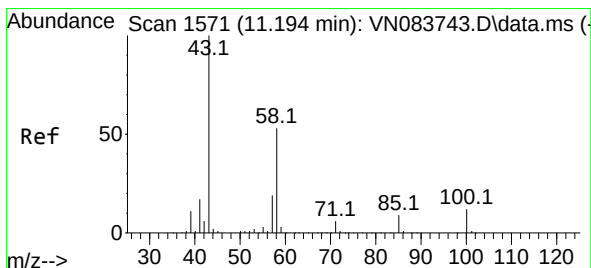
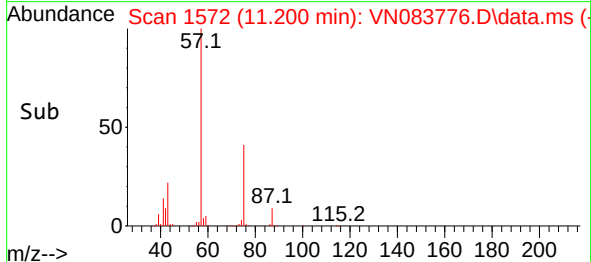
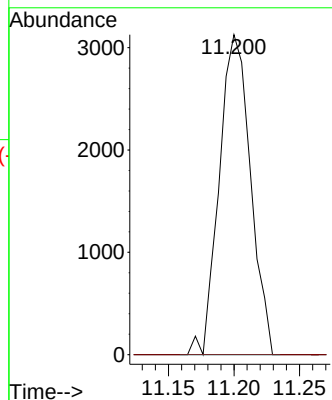
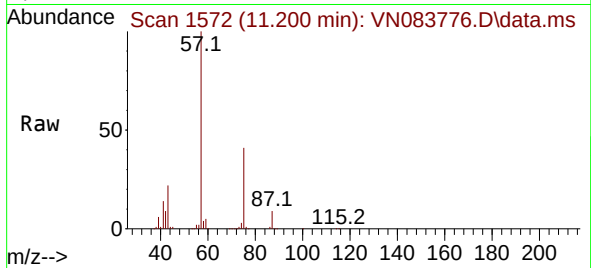




#57
1,3-Dichloropropane
Concen: 2.153 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN083776.D
Acq: 11 Sep 2024 06:50

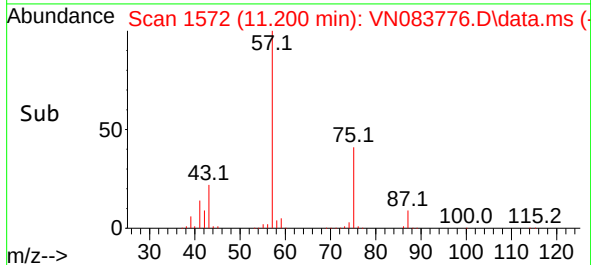
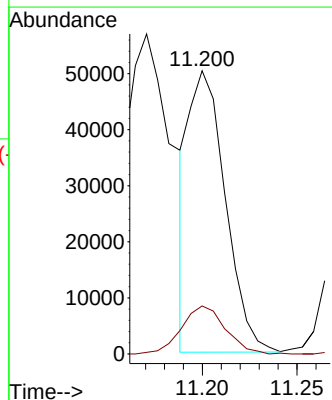
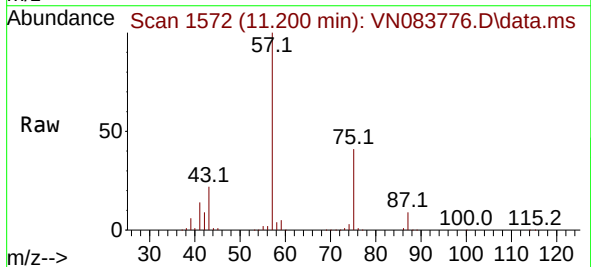
Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#06

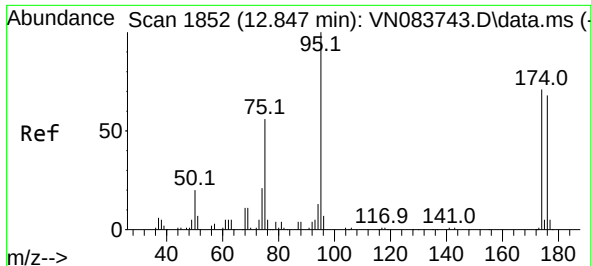
Tgt Ion: 76 Resp: 5184
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#



#59
2-Hexanone
Concen: 49.974 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN083776.D
Acq: 11 Sep 2024 06:50

Tgt Ion: 43 Resp: 67477
Ion Ratio Lower Upper
43 100
58 20.5 27.2 81.5#





#62

4-Bromofluorobenzene

Concen: 70.159 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN083776.D

Acq: 11 Sep 2024 06:50

Instrument :

MSVOA_N

ClientSampleId :

PB163204ZHE#06

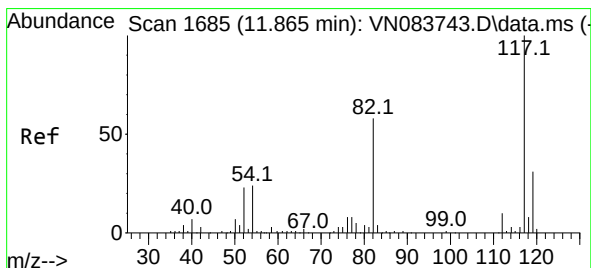
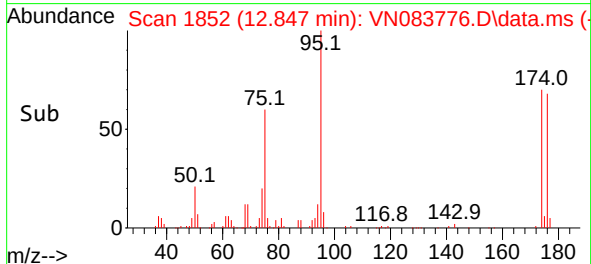
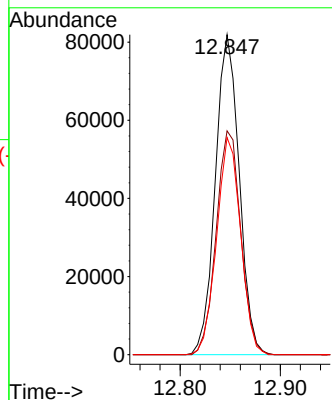
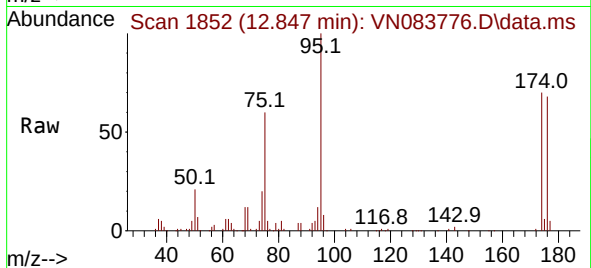
Tgt Ion: 95 Resp: 135533

Ion Ratio Lower Upper

95 100

174 71.9 0.0 139.8

176 68.3 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: VN083776.D

Acq: 11 Sep 2024 06:50

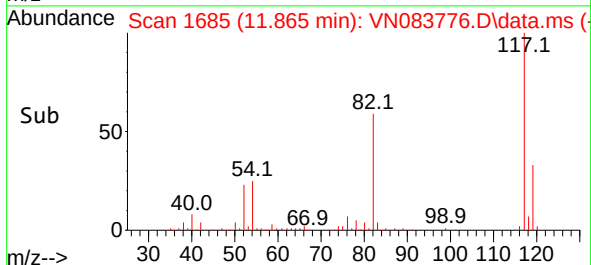
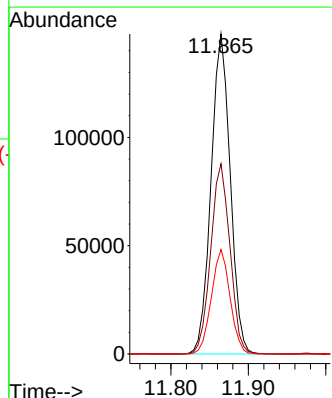
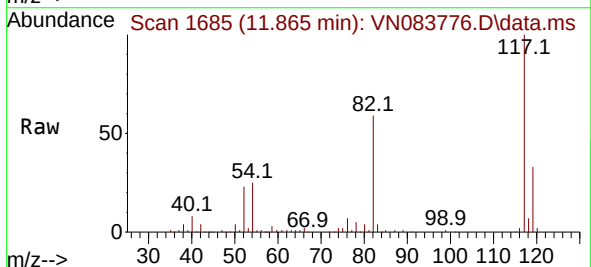
Tgt Ion: 117 Resp: 254090

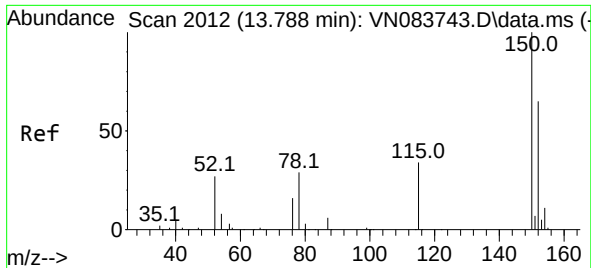
Ion Ratio Lower Upper

117 100

82 59.5 47.4 71.0

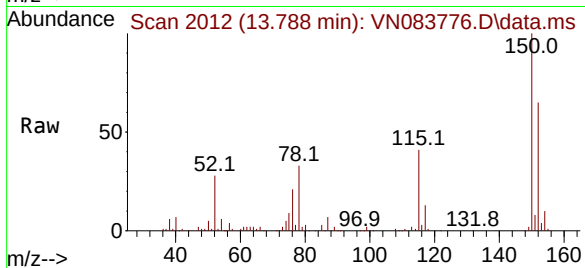
119 32.6 26.3 39.5



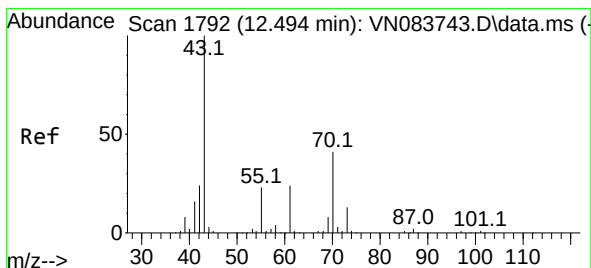
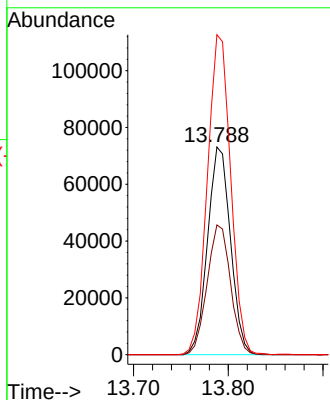
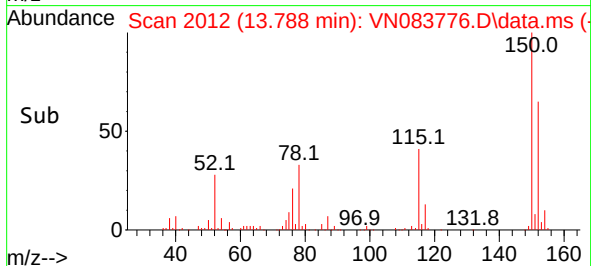


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN083776.D
 Acq: 11 Sep 2024 06:50

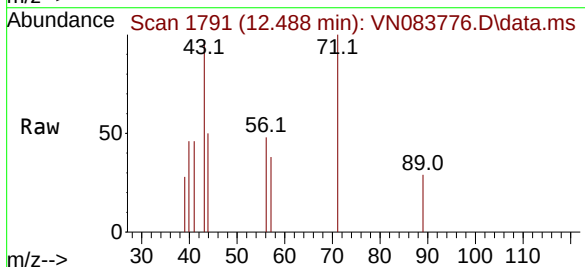
Instrument :
 MSVOA_N
 ClientSampleId :
 PB163204ZHE#06



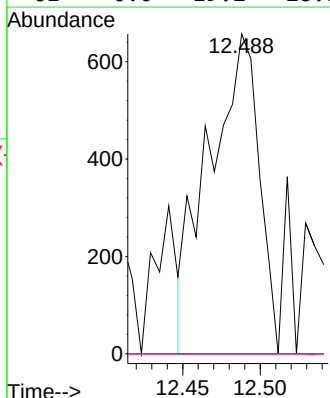
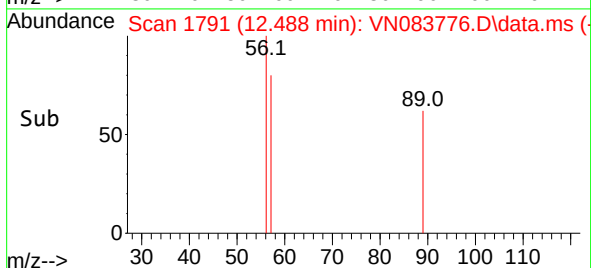
Tgt Ion:152 Resp: 122763
 Ion Ratio Lower Upper
 152 100
 115 63.9 32.2 96.6
 150 156.8 0.0 348.6

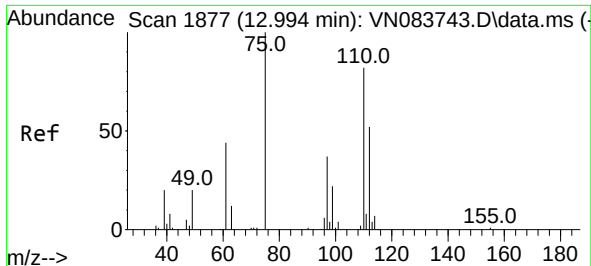


#74
 N-ethyl acetate
 Concen: 0.366 ug/l
 RT: 12.488 min Scan# 1791
 Delta R.T. -0.006 min
 Lab File: VN083776.D
 Acq: 11 Sep 2024 06:50



Tgt Ion: 43 Resp: 1483
 Ion Ratio Lower Upper
 43 100
 70 0.0 34.5 51.7#
 55 0.0 18.6 28.0#
 61 0.0 19.2 28.8#

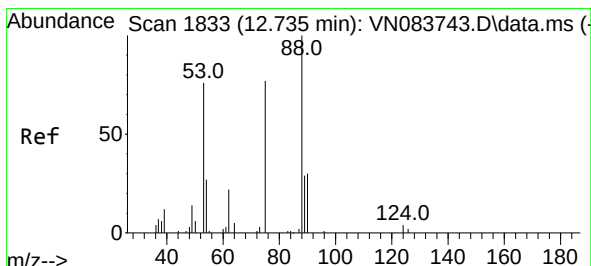
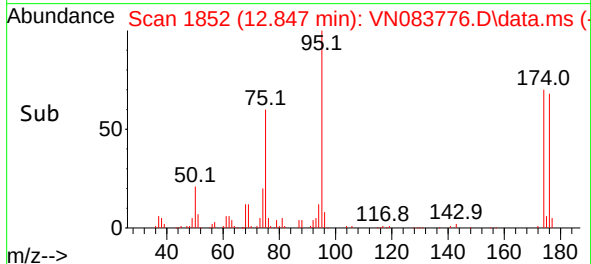
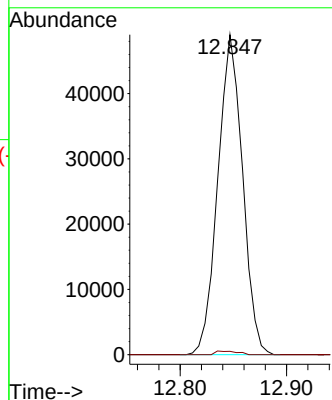
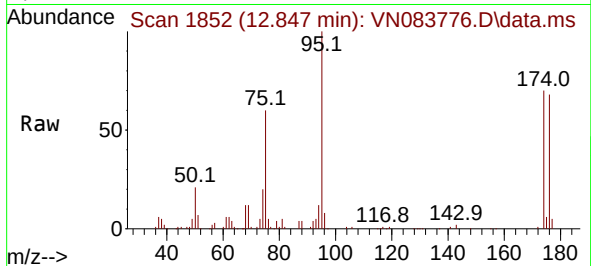




#76
1,2,3-Trichloropropane
Concen: 31.848 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083776.D
Acq: 11 Sep 2024 06:50

Instrument :
MSVOA_N
ClientSampleId :
PB163204ZHE#06

Tgt Ion: 75 Resp: 78891
Ion Ratio Lower Upper
75 100
77 1.0 95.2 285.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.412 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083776.D
Acq: 11 Sep 2024 06:50

Tgt Ion: 75 Resp: 78891
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.1 35.7 53.5#

