

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
 Data File : VN083762.D
 Acq On : 10 Sep 2024 19:20
 Operator : JC\MD
 Sample : P3907-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 11 03:18:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 02:47:22 2024
 Response via : Initial Calibration

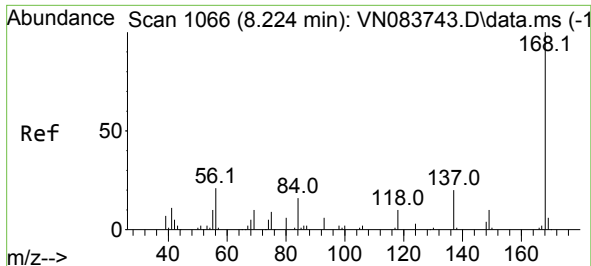
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	115086	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	246546	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	277234	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	132118	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	93174	53.692	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.380%			
35) Dibromofluoromethane	8.165	113	74019	46.896	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.800%			
50) Toluene-d8	10.565	98	277562	50.868	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.740%			
62) 4-Bromofluorobenzene	12.847	95	126755	56.305	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 112.620%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1167	Below Cal	#	41
5) Bromomethane	2.894	94	217	0.258	ug/l	88
6) Chloroethane	3.142	64	921	0.896	ug/l	95
11) Tert butyl alcohol	5.541	59	270	1.162	ug/l #	71
16) Acetone	4.441	43	38931	55.963	ug/l	95
18) Methyl Acetate	5.030	43	6451	2.695	ug/l	91
20) Methylene Chloride	5.259	84	6060	4.257	ug/l #	92
25) 2-Butanone	7.494	43	3948	4.318	ug/l	95
31) Cyclohexane	8.218	56	2859	1.140	ug/l #	32
36) 1,1-Dichloropropene	8.218	75	10811	4.551	ug/l #	44
37) Ethyl Acetate	7.565	43	2294	1.064	ug/l #	84
38) Carbon Tetrachloride	8.212	117	12959	4.808	ug/l #	16
42) 1,2-Dichloroethane	8.682	62	1146	0.429	ug/l #	77
43) Isopropyl Acetate	8.688	43	121207	31.018	ug/l #	89
45) 1,2-Dichloropropane	9.747	63	553	0.320	ug/l #	42
48) Methyl methacrylate	9.665	41	3114	1.680	ug/l #	45
51) 4-Methyl-2-Pentanone	10.447	43	9033	4.247	ug/l #	70
54) cis-1,3-Dichloropropene	10.359	75	36230	12.989	ug/l #	61
56) Ethyl methacrylate	10.988	69	975	0.388	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3117	1.111	ug/l #	42
59) 2-Hexanone	11.170	43	138030	87.722	ug/l #	24
74) N-amyl acetate	12.476	43	1113	0.255	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	70928	27.279	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	70928	69.683	ug/l #	9

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

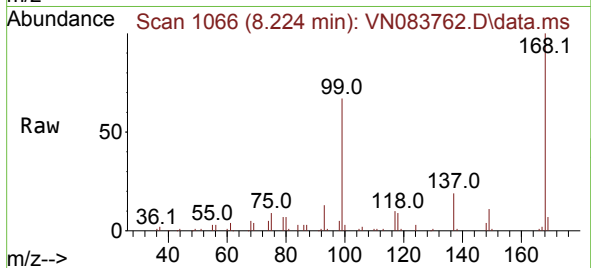
Quant Time: Sep 11 03:18:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 02:47:22 2024
Response via : Initial Calibration



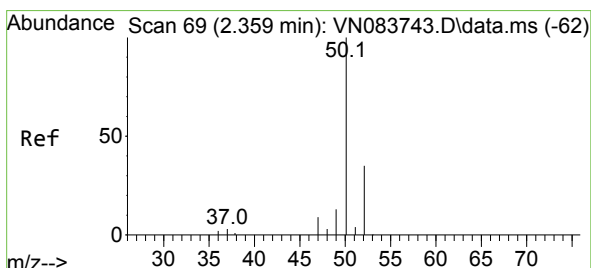
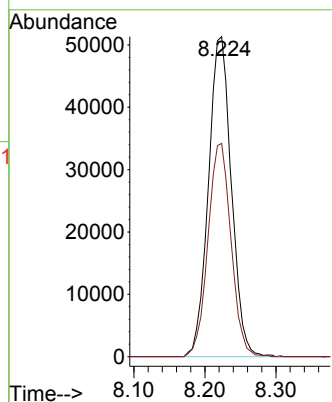
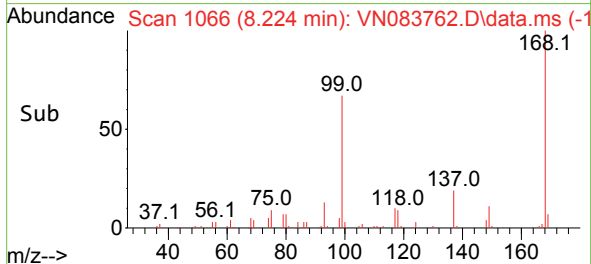


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083762.D
Acq: 10 Sep 2024 19:20

Instrument :
MSVOA_N
ClientSampleId :

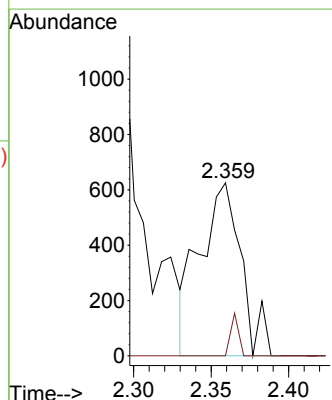
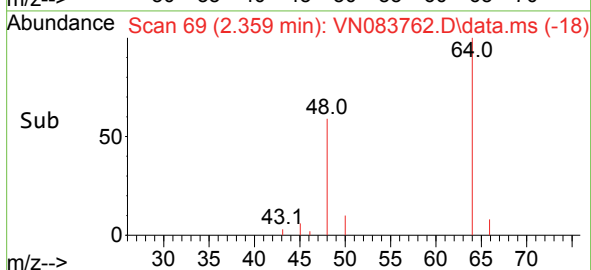
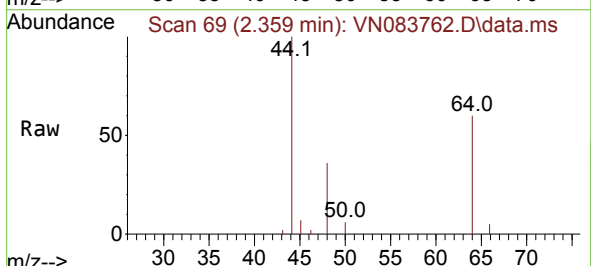


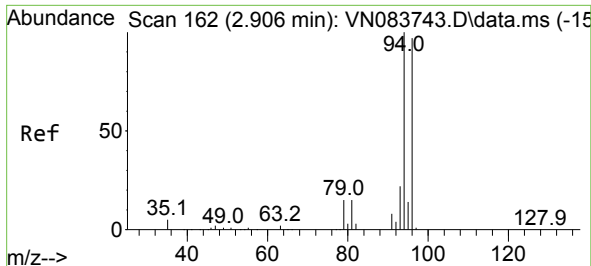
Tgt Ion:168 Resp: 115086
Ion Ratio Lower Upper
168 100
99 66.6 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083762.D
Acq: 10 Sep 2024 19:20

Tgt Ion: 50 Resp: 1167
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

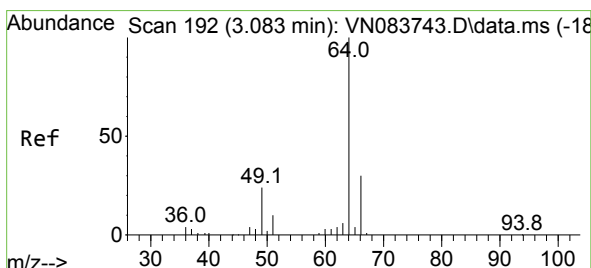
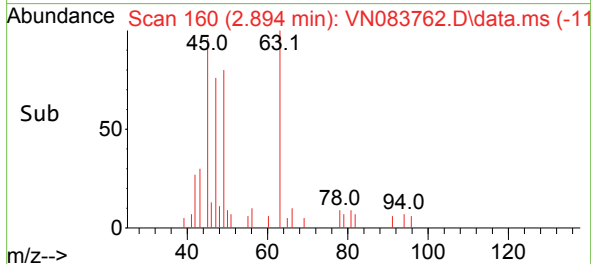
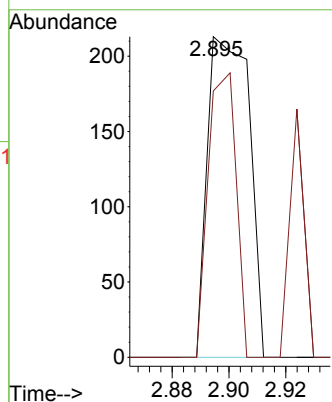
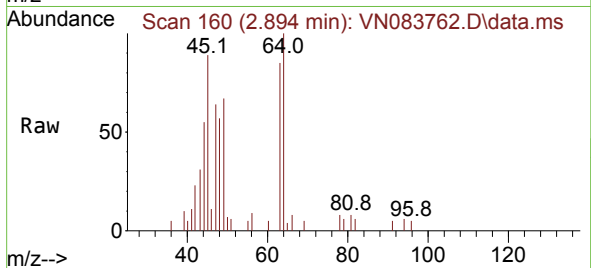




#5
Bromomethane
Concen: 0.258 ug/l
RT: 2.894 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN083762.D
Acq: 10 Sep 2024 19:20

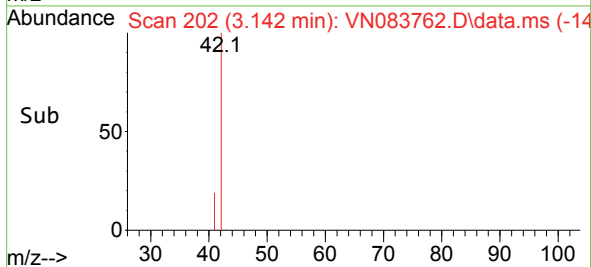
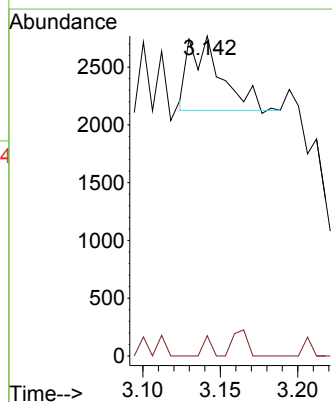
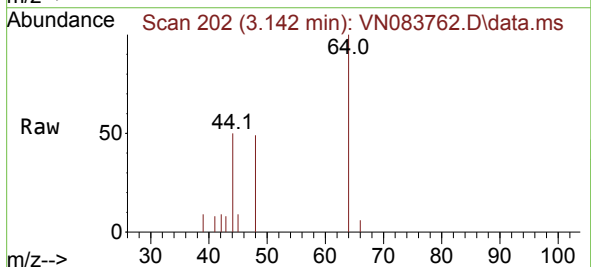
Instrument :
MSVOA_N
ClientSampleId :

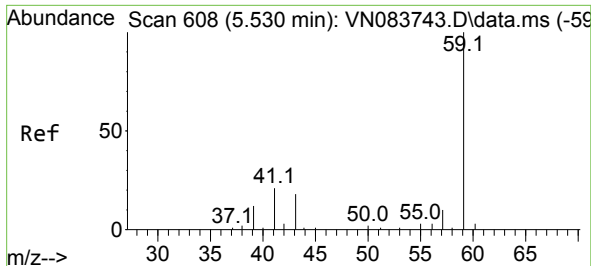
Tgt Ion: 94 Resp: 217
Ion Ratio Lower Upper
94 100
96 83.1 76.0 114.0



#6
Chloroethane
Concen: 0.896 ug/l
RT: 3.142 min Scan# 202
Delta R.T. 0.059 min
Lab File: VN083762.D
Acq: 10 Sep 2024 19:20

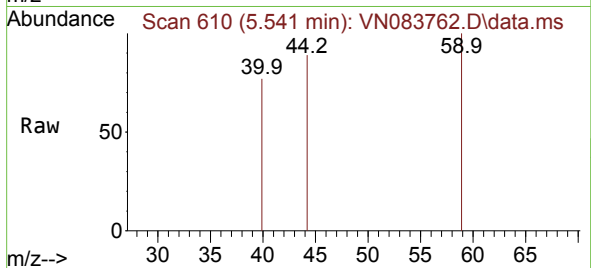
Tgt Ion: 64 Resp: 921
Ion Ratio Lower Upper
64 100
66 27.3 23.9 35.9



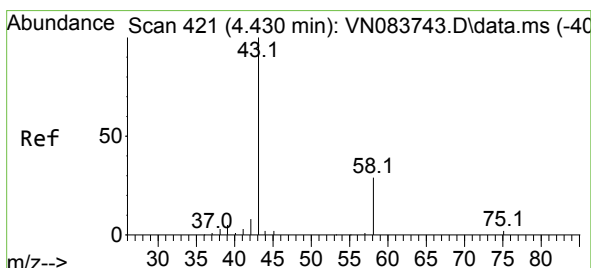
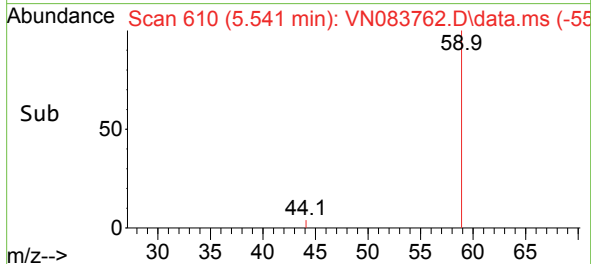
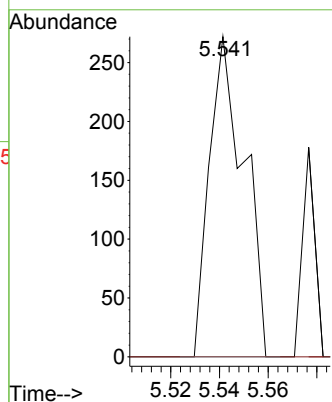


#11
Tert butyl alcohol
Concen: 1.162 ug/l
RT: 5.541 min Scan# 610
Delta R.T. 0.012 min
Lab File: VN083762.D
Acq: 10 Sep 2024 19:20

Instrument :
MSVOA_N
ClientSampleId :

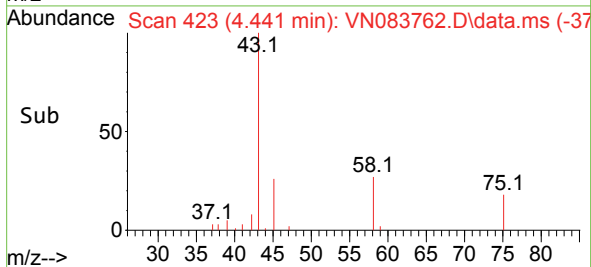
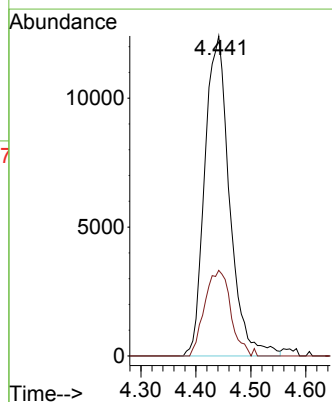
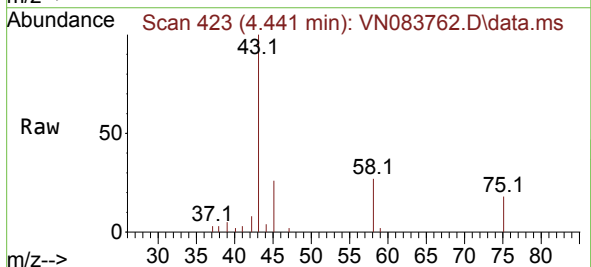


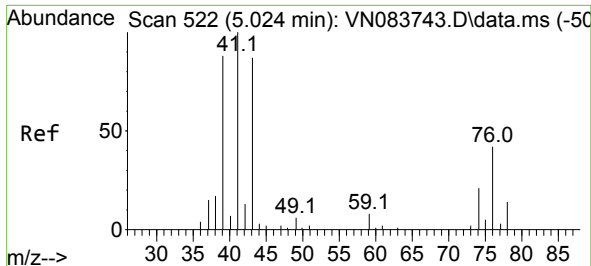
Tgt Ion: 59 Resp: 270
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#16
Acetone
Concen: 55.963 ug/l
RT: 4.441 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN083762.D
Acq: 10 Sep 2024 19:20

Tgt Ion: 43 Resp: 38931
Ion Ratio Lower Upper
43 100
58 26.8 23.7 35.5

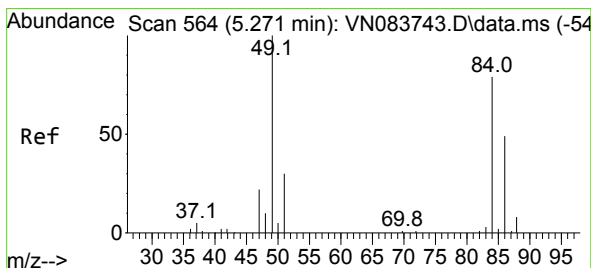
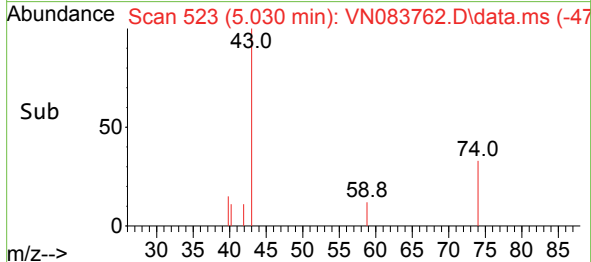
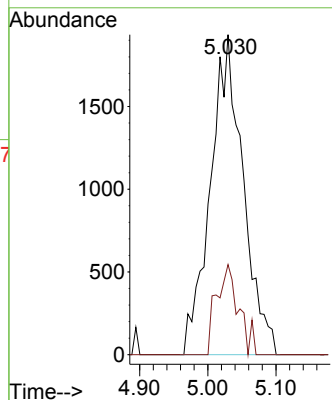
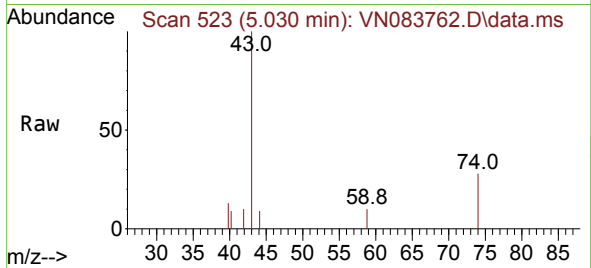




#18
Methyl Acetate
Concen: 2.695 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN083762.D
Acq: 10 Sep 2024 19:20

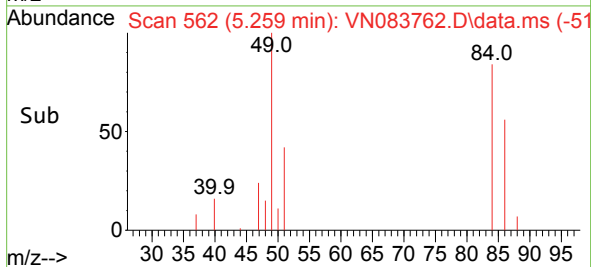
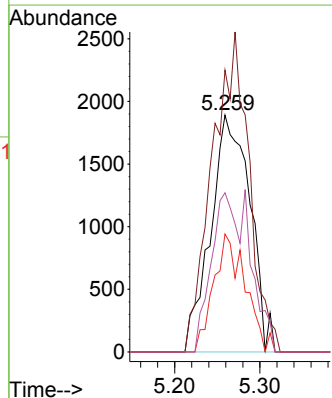
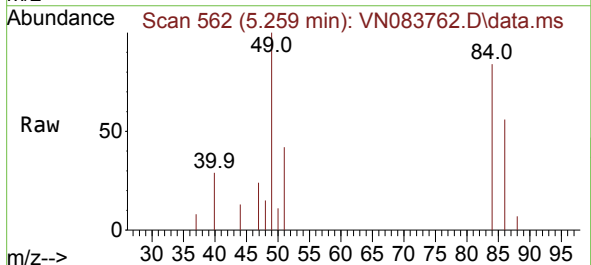
Instrument :
MSVOA_N
ClientSampleId :

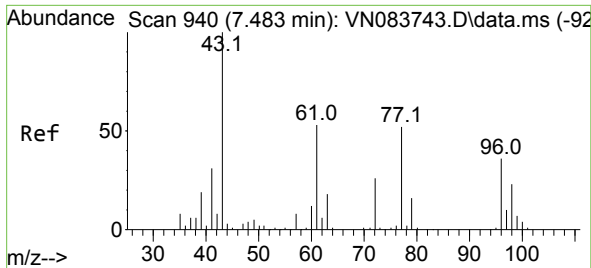
Tgt Ion: 43 Resp: 6451
Ion Ratio Lower Upper
43 100
74 19.1 19.0 28.4



#20
Methylene Chloride
Concen: 4.257 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.012 min
Lab File: VN083762.D
Acq: 10 Sep 2024 19:20

Tgt Ion: 84 Resp: 6060
Ion Ratio Lower Upper
84 100
49 119.0 93.4 140.0
51 49.8 29.2 43.8#
86 67.2 46.9 70.3

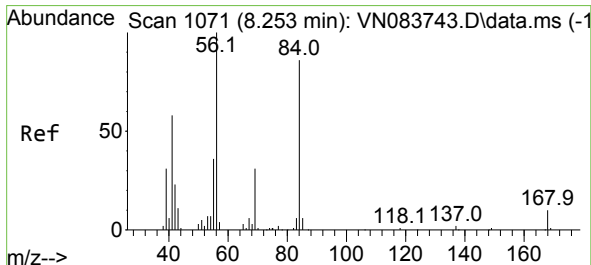
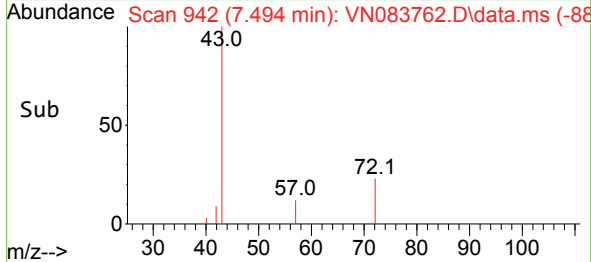
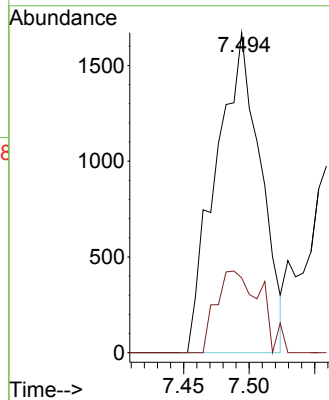
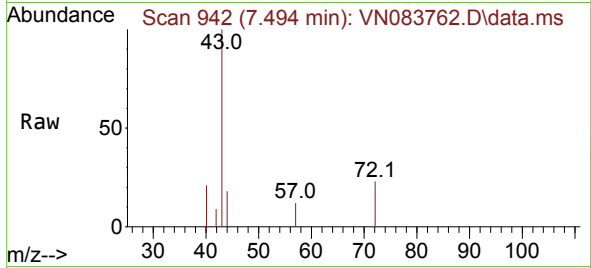




#25
2-Butanone
Concen: 4.318 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN083762.D
Acq: 10 Sep 2024 19:20

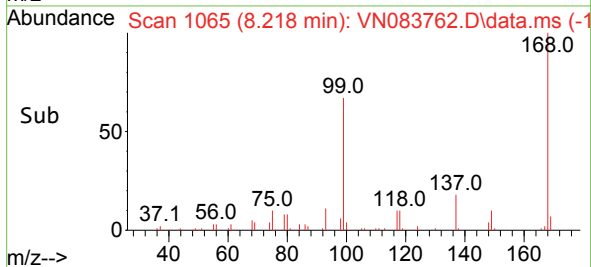
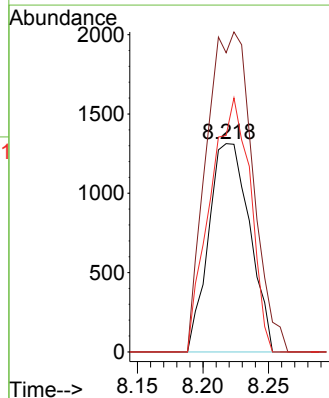
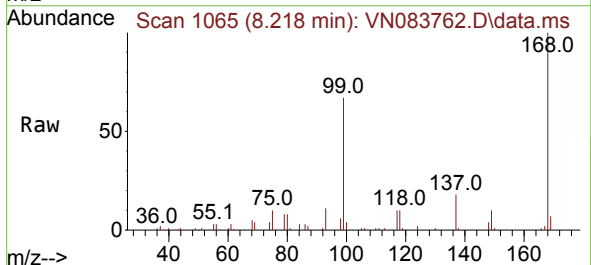
Instrument :
MSVOA_N
ClientSampleId :

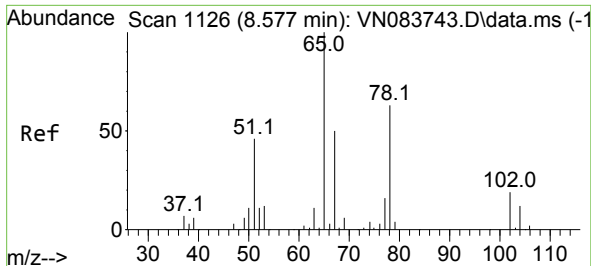
Tgt Ion: 43 Resp: 3948
Ion Ratio Lower Upper
43 100
72 23.4 20.8 31.2



#31
Cyclohexane
Concen: 1.140 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN083762.D
Acq: 10 Sep 2024 19:20

Tgt Ion: 56 Resp: 2859
Ion Ratio Lower Upper
56 100
69 143.6 26.9 40.3#
84 103.9 69.2 103.8#





#33

1,2-Dichloroethane-d4

Concen: 53.692 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN083762.D

Acq: 10 Sep 2024 19:20

Instrument :

MSVOA_N

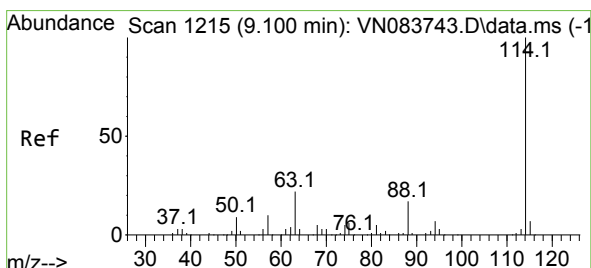
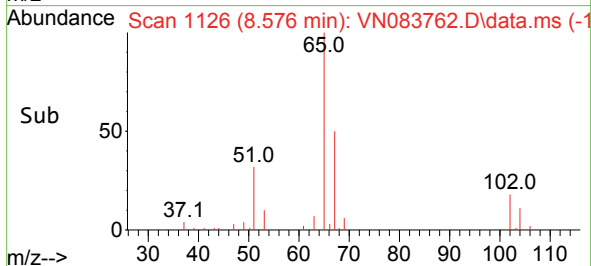
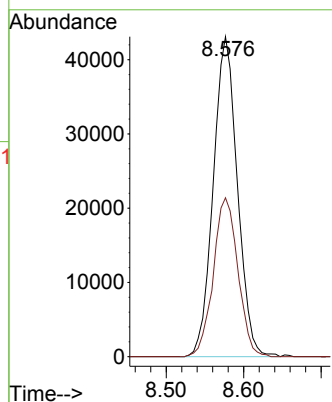
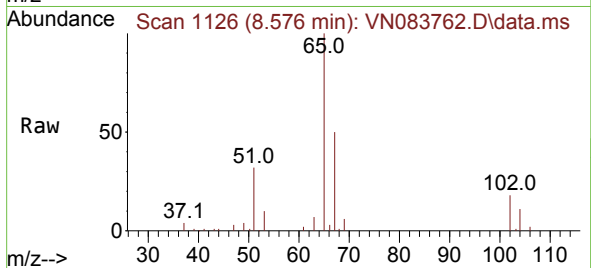
ClientSampleId :

Tgt Ion: 65 Resp: 93174

Ion Ratio Lower Upper

65 100

67 50.7 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: VN083762.D

Acq: 10 Sep 2024 19:20

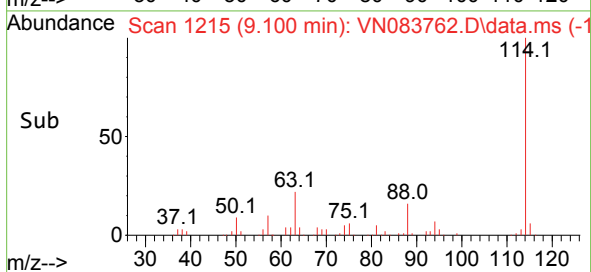
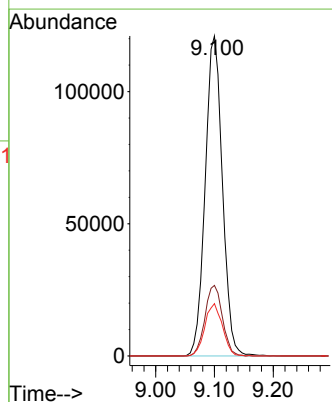
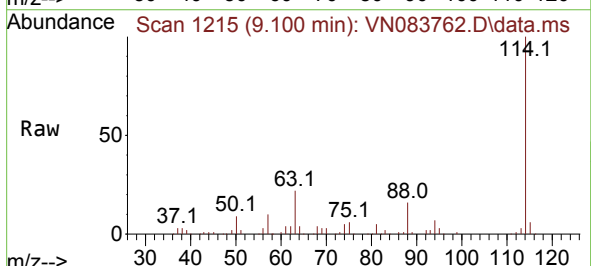
Tgt Ion: 114 Resp: 246546

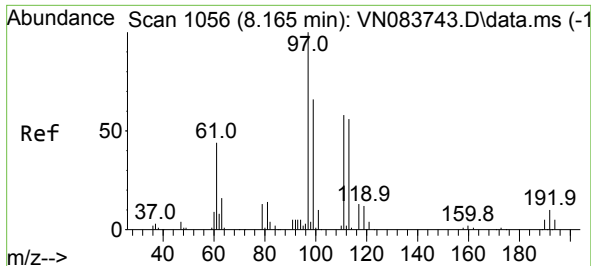
Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.4

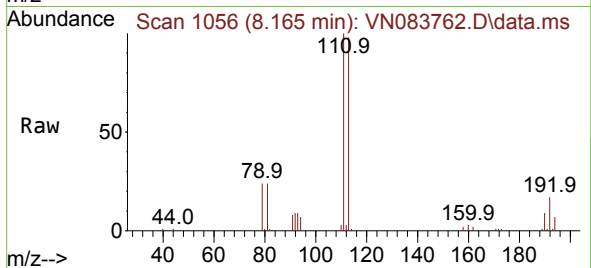
88 16.3 0.0 32.6



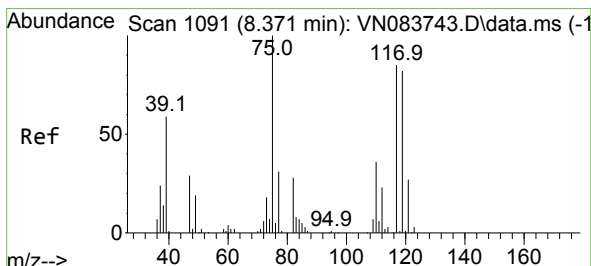
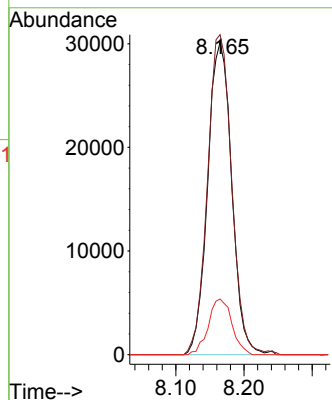
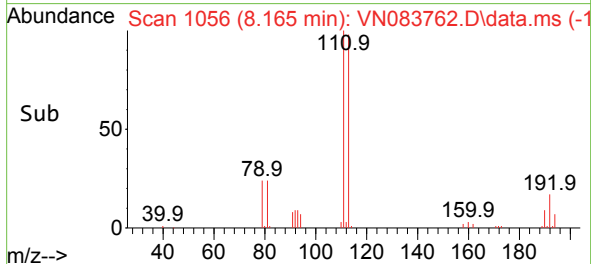


#35
Dibromofluoromethane
Concen: 46.896 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN083762.D
Acq: 10 Sep 2024 19:20

Instrument :
MSVOA_N
ClientSampleId :

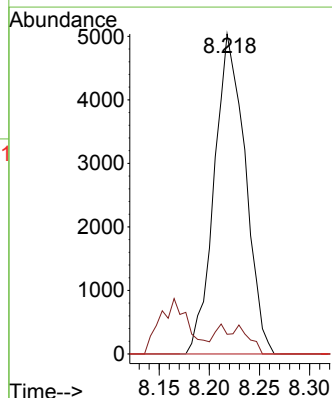
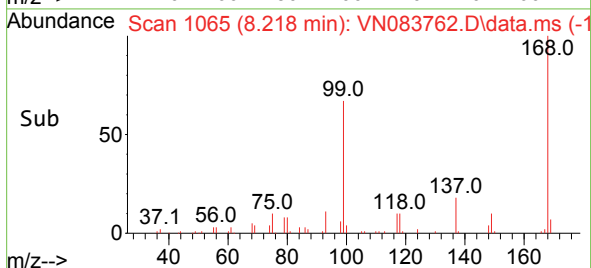
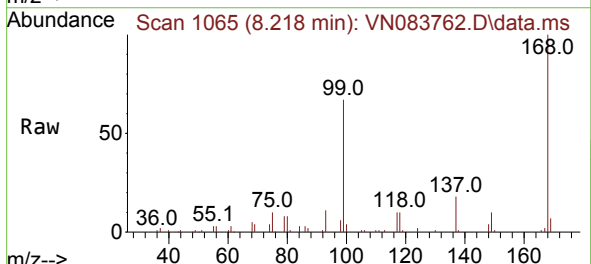


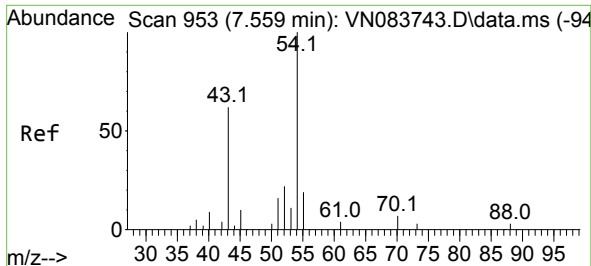
Tgt Ion:113 Resp: 74019
Ion Ratio Lower Upper
113 100
111 103.1 82.6 124.0
192 17.5 14.3 21.5



#36
1,1-Dichloropropene
Concen: 4.551 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN083762.D
Acq: 10 Sep 2024 19:20

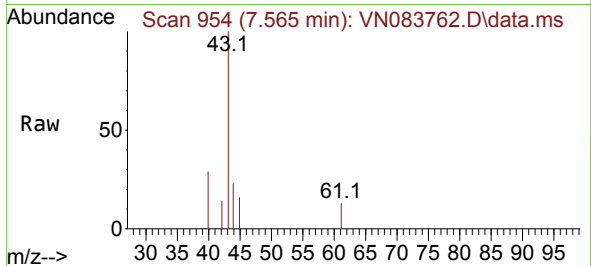
Tgt Ion: 75 Resp: 10811
Ion Ratio Lower Upper
75 100
110 2.2 16.7 50.1#
77 0.0 25.2 37.8#



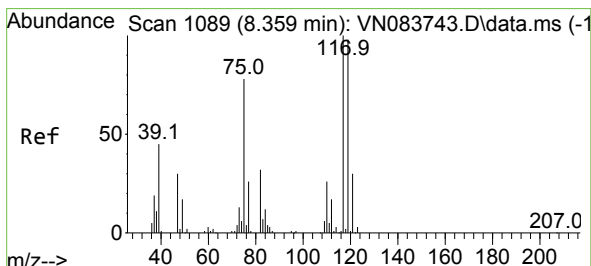
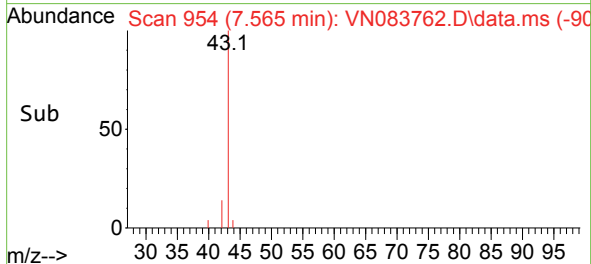
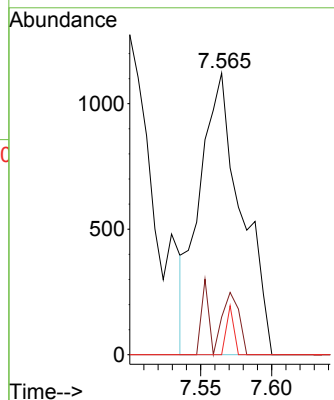


#37
Ethyl Acetate
Concen: 1.064 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN083762.D
Acq: 10 Sep 2024 19:20

Instrument :
MSVOA_N
ClientSampleId :

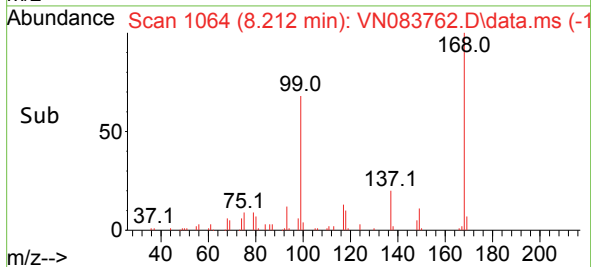
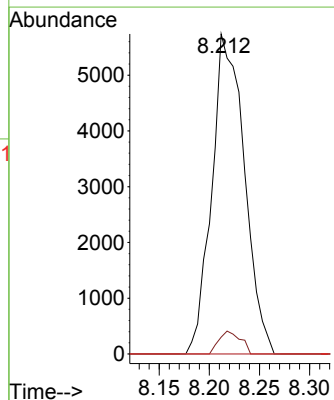
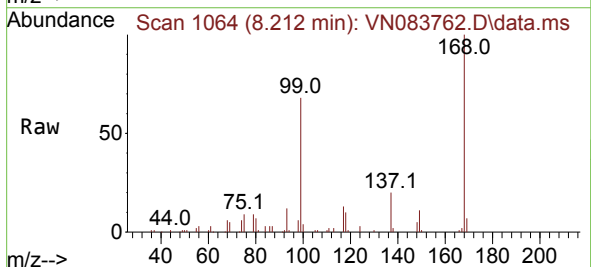


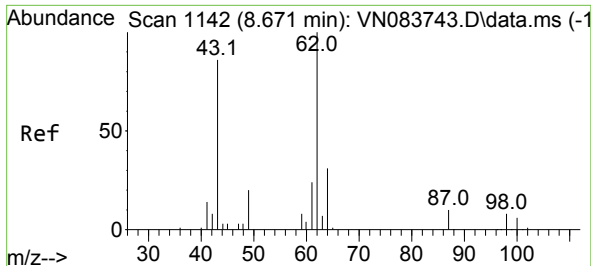
Tgt Ion: 43 Resp: 2294
Ion Ratio Lower Upper
43 100
61 8.9 11.1 16.7#
70 3.0 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 4.808 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.147 min
Lab File: VN083762.D
Acq: 10 Sep 2024 19:20

Tgt Ion: 117 Resp: 12959
Ion Ratio Lower Upper
117 100
119 5.2 76.1 114.1#
121 0.0 24.1 36.1#





#42

1,2-Dichloroethane

Concen: 0.429 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN083762.D

Acq: 10 Sep 2024 19:20

Instrument :

MSVOA_N

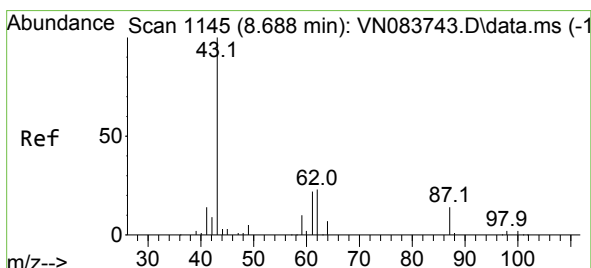
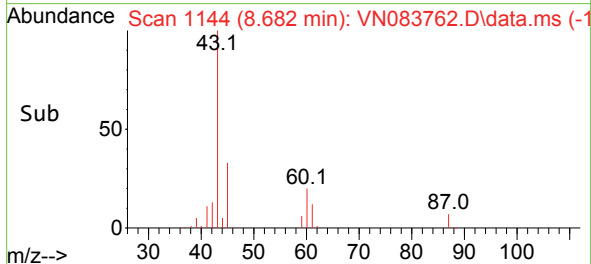
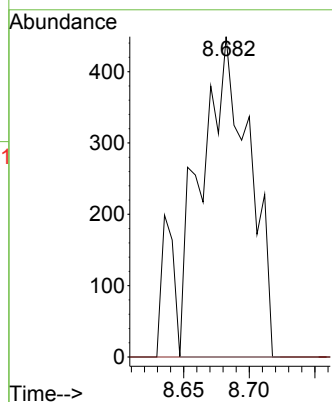
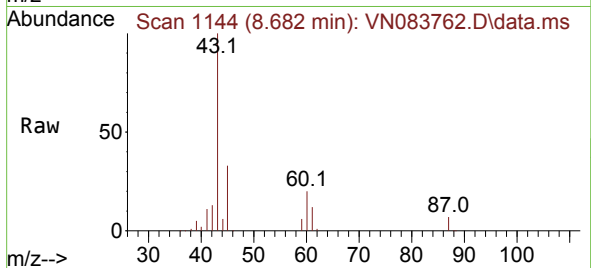
ClientSampleId :

Tgt Ion: 62 Resp: 1146

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.6



#43

Isopropyl Acetate

Concen: 31.018 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN083762.D

Acq: 10 Sep 2024 19:20

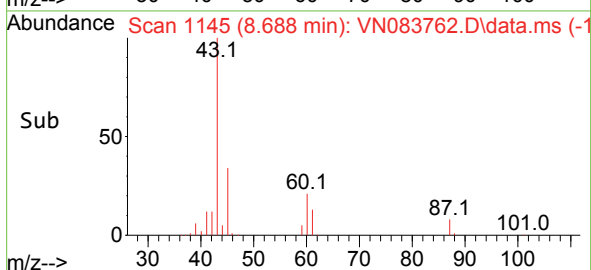
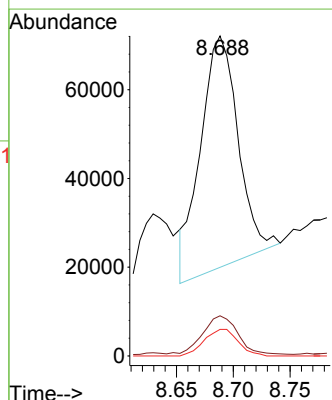
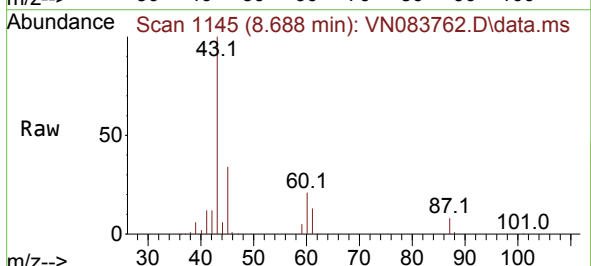
Tgt Ion: 43 Resp: 121207

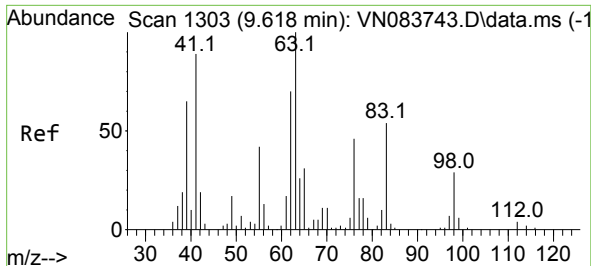
Ion Ratio Lower Upper

43 100

61 17.2 19.4 29.0#

87 10.2 9.8 14.6





#45

1,2-Dichloropropane

Concen: 0.320 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.129 min

Lab File: VN083762.D

Acq: 10 Sep 2024 19:20

Instrument :

MSVOA_N

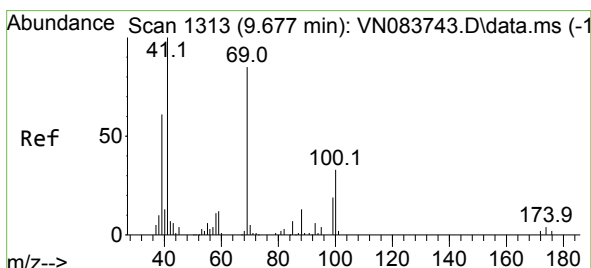
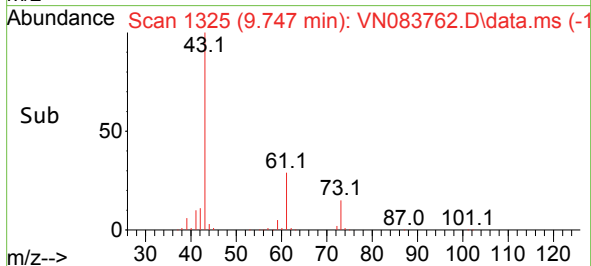
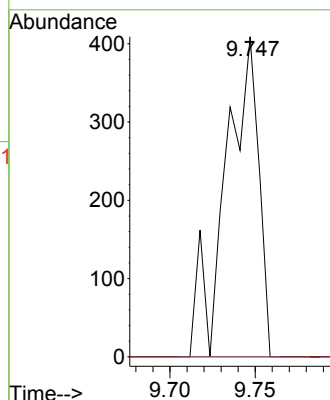
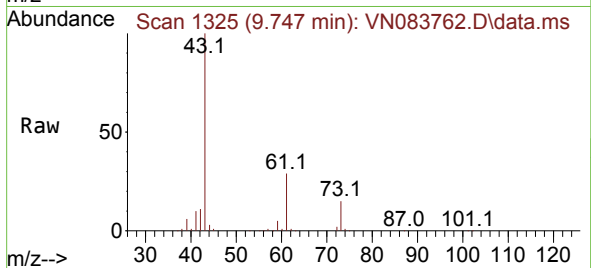
ClientSampleId :

Tgt Ion: 63 Resp: 553

Ion Ratio Lower Upper

63 100

65 0.0 25.9 38.9#



#48

Methyl methacrylate

Concen: 1.680 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.012 min

Lab File: VN083762.D

Acq: 10 Sep 2024 19:20

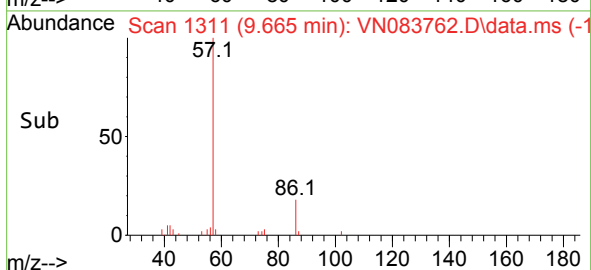
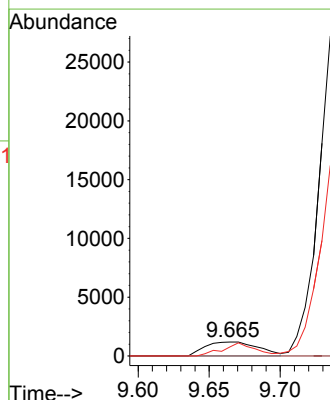
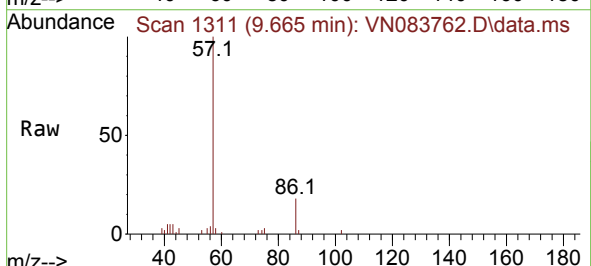
Tgt Ion: 41 Resp: 3114

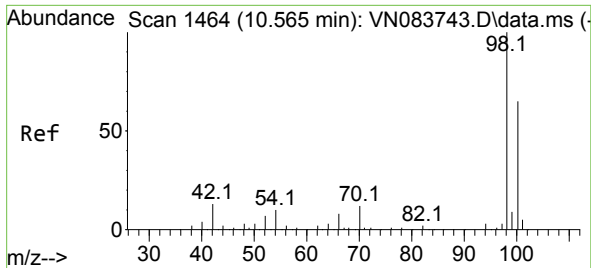
Ion Ratio Lower Upper

41 100

69 0.0 64.3 96.5#

39 55.9 48.9 73.3

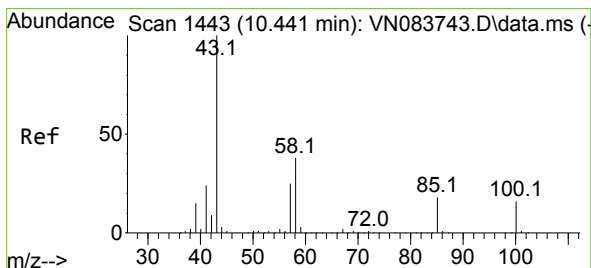
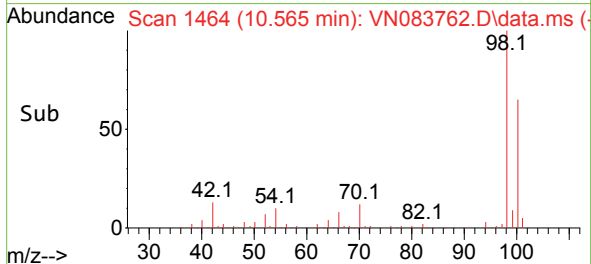
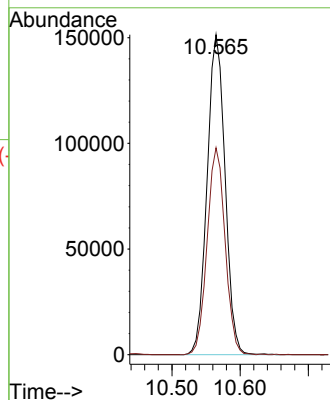
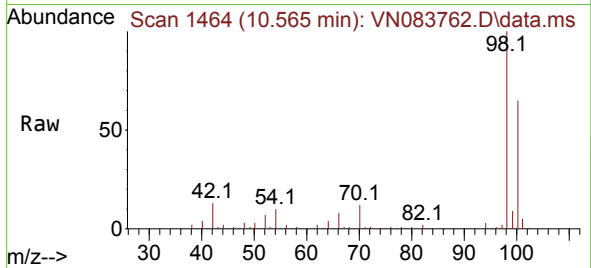




#50
Toluene-d8
Concen: 50.868 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083762.D
Acq: 10 Sep 2024 19:20

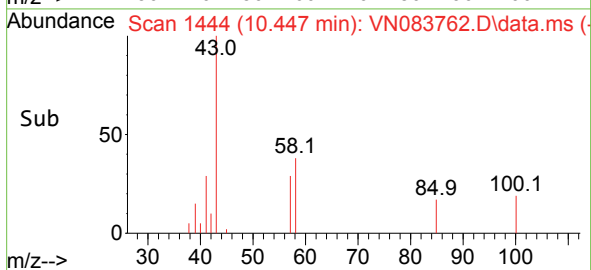
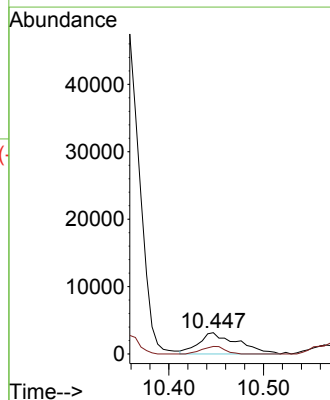
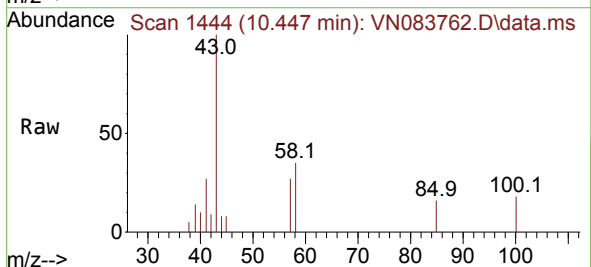
Instrument :
MSVOA_N
ClientSampleId :

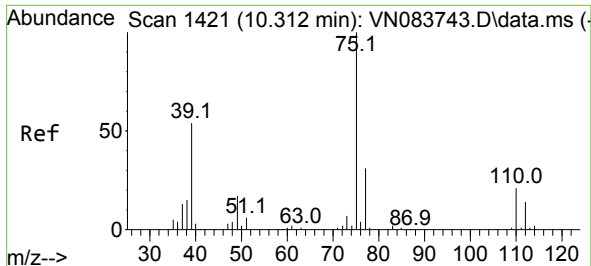
Tgt Ion: 98 Resp: 277562
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 4.247 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN083762.D
Acq: 10 Sep 2024 19:20

Tgt Ion: 43 Resp: 9033
Ion Ratio Lower Upper
43 100
58 20.9 31.6 47.4#

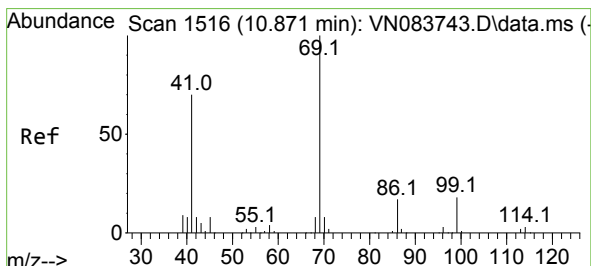
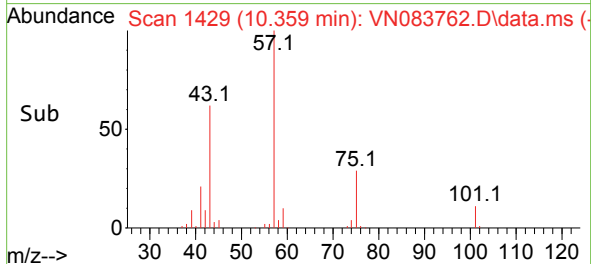
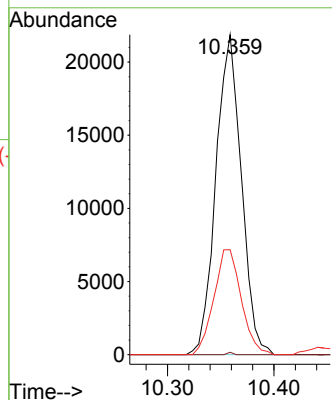
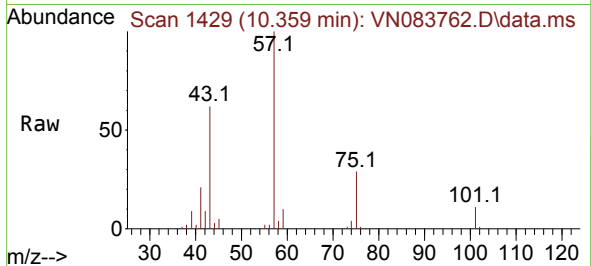




#54
 cis-1,3-Dichloropropene
 Concen: 12.989 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN083762.D
 Acq: 10 Sep 2024 19:20

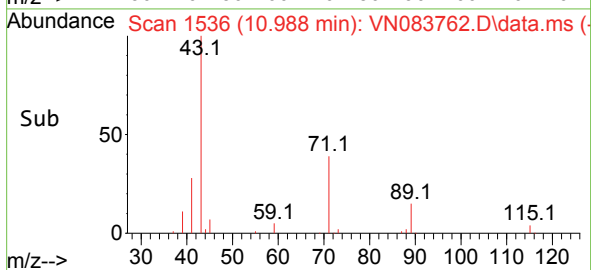
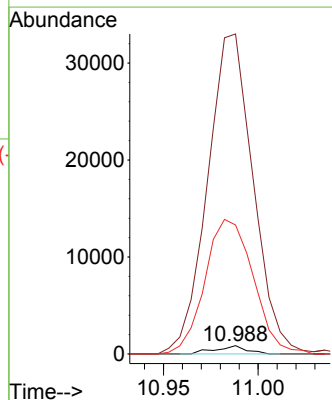
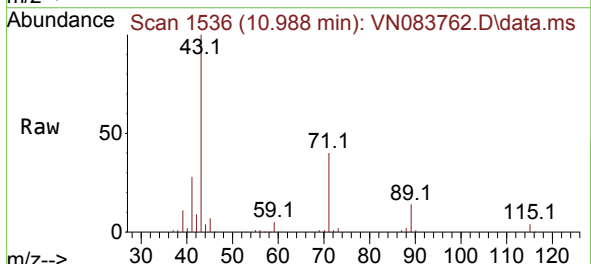
Instrument :
 MSVOA_N
 ClientSampleId :

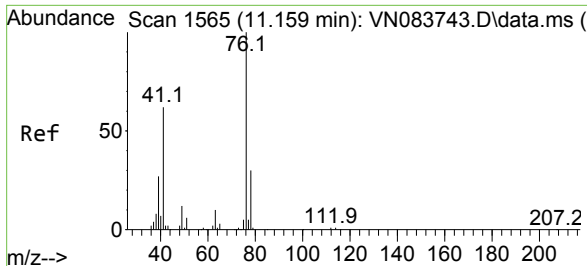
Tgt Ion: 75 Resp: 36230
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.0 37.6#
 39 32.8 42.6 64.0#



#56
 Ethyl methacrylate
 Concen: 0.388 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.117 min
 Lab File: VN083762.D
 Acq: 10 Sep 2024 19:20

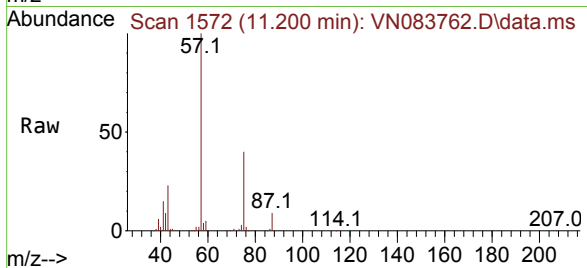
Tgt Ion: 69 Resp: 975
 Ion Ratio Lower Upper
 69 100
 41 5699.3 53.9 80.9#
 39 2526.8 32.6 48.8#



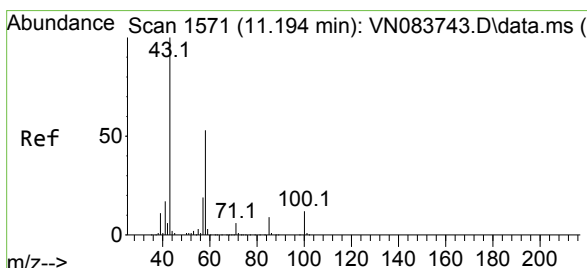
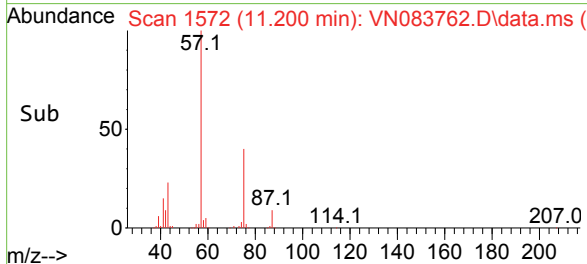
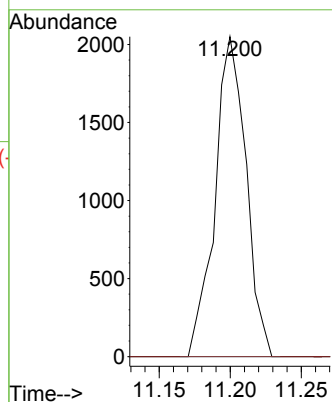


#57
1,3-Dichloropropane
Concen: 1.111 ug/l
RT: 11.200 min Scan# 1567
Delta R.T. 0.041 min
Lab File: VN083762.D
Acq: 10 Sep 2024 19:20

Instrument :
MSVOA_N
ClientSampleId :

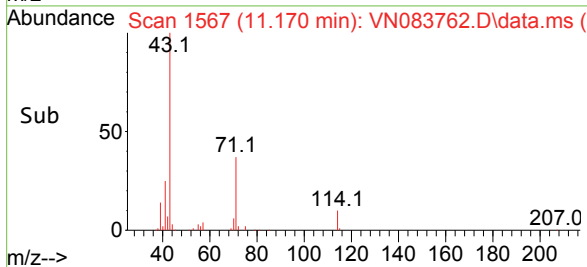
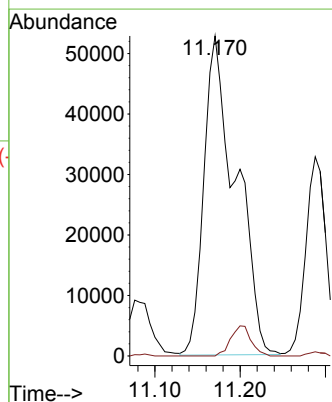
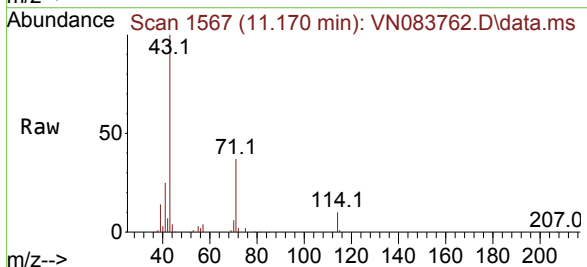


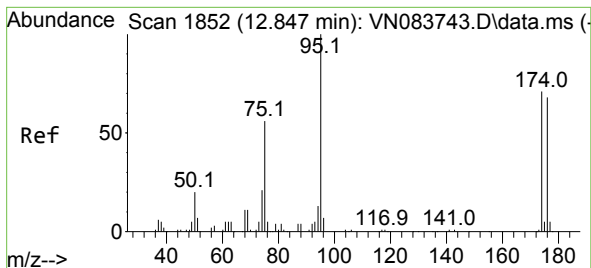
Tgt Ion: 76 Resp: 3117
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#



#59
2-Hexanone
Concen: 87.722 ug/l
RT: 11.170 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN083762.D
Acq: 10 Sep 2024 19:20

Tgt Ion: 43 Resp: 138030
Ion Ratio Lower Upper
43 100
58 0.0 27.2 81.5#

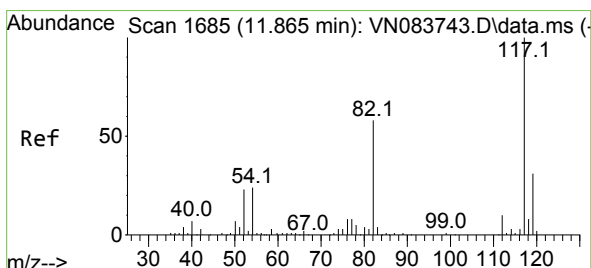
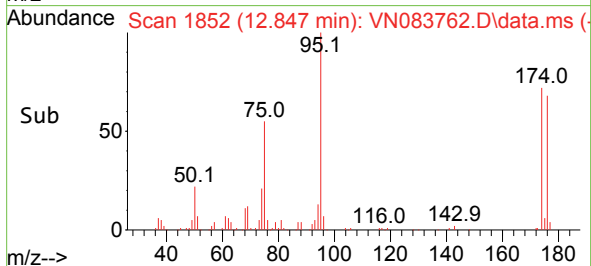
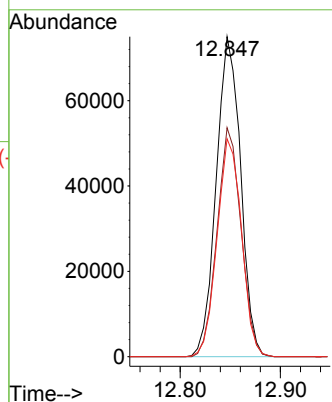
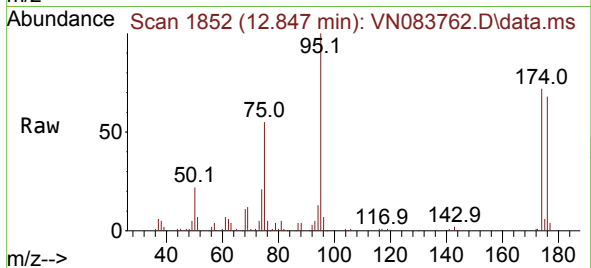




#62
4-Bromofluorobenzene
Concen: 56.305 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083762.D
Acq: 10 Sep 2024 19:20

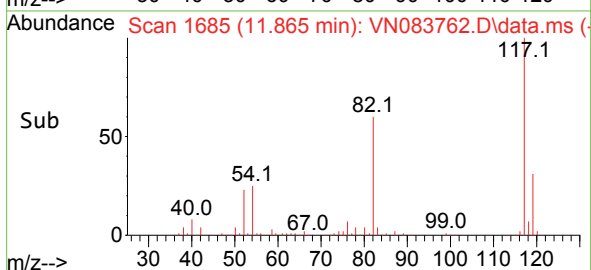
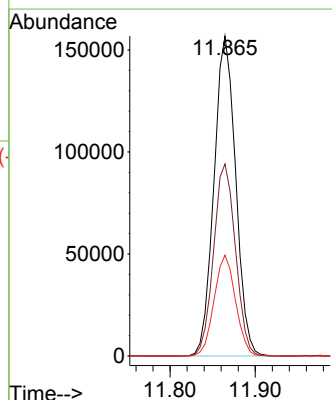
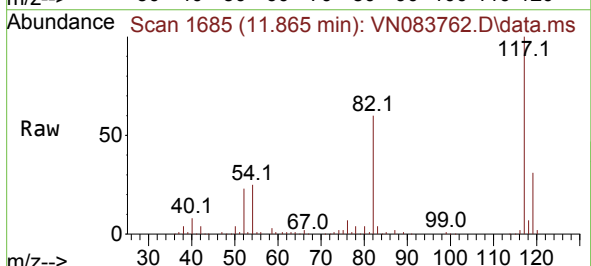
Instrument :
MSVOA_N
ClientSampleId :

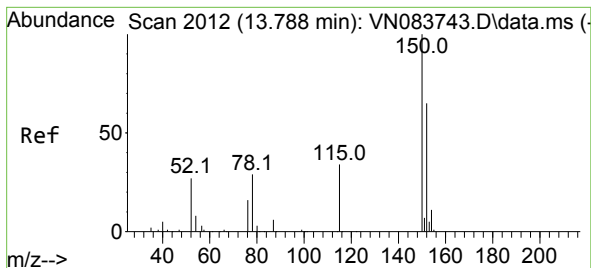
Tgt Ion: 95 Resp: 126755
Ion Ratio Lower Upper
95 100
174 70.3 0.0 139.8
176 68.1 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083762.D
Acq: 10 Sep 2024 19:20

Tgt Ion: 117 Resp: 277234
Ion Ratio Lower Upper
117 100
82 60.0 47.4 71.0
119 31.5 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.006 min

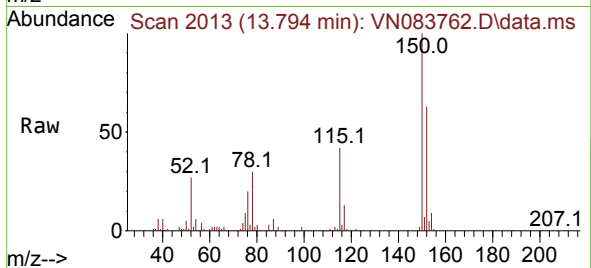
Lab File: VN083762.D

Acq: 10 Sep 2024 19:20

Instrument :

MSVOA_N

ClientSampleId :



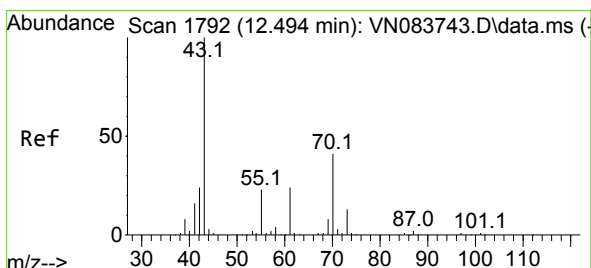
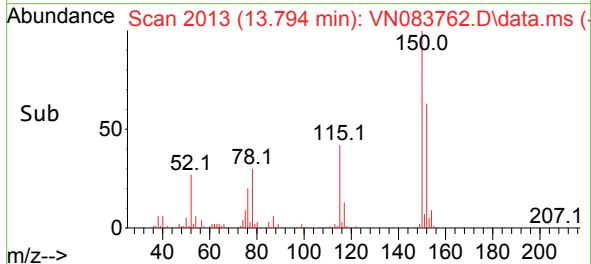
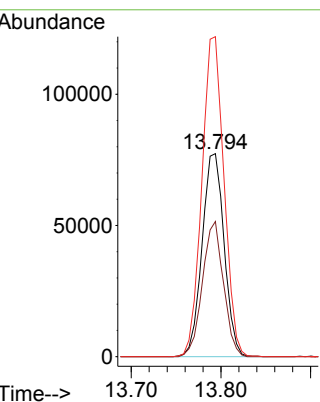
Tgt Ion:152 Resp: 132118

Ion Ratio Lower Upper

152 100

115 63.3 32.2 96.6

150 157.8 0.0 348.6



#74

N-ethyl acetate

Concen: 0.255 ug/l

RT: 12.476 min Scan# 1789

Delta R.T. -0.018 min

Lab File: VN083762.D

Acq: 10 Sep 2024 19:20

Tgt Ion: 43 Resp: 1113

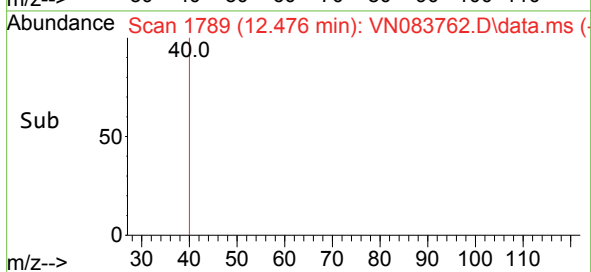
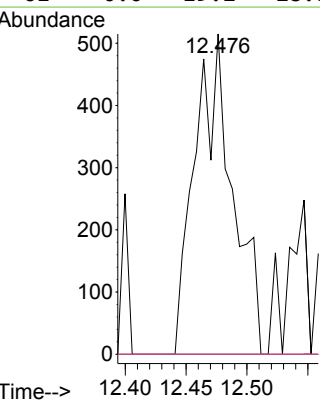
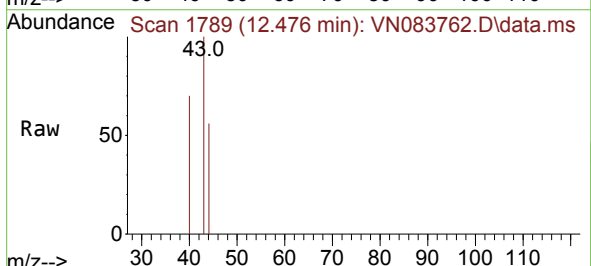
Ion Ratio Lower Upper

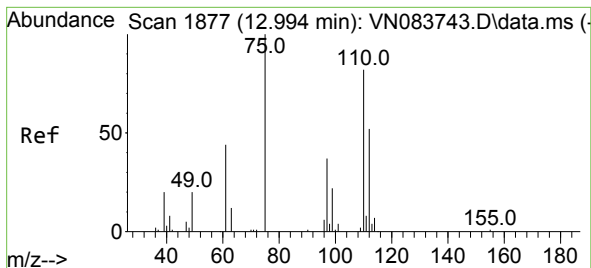
43 100

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: 27.279 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083762.D

Acq: 10 Sep 2024 19:20

Instrument :

MSVOA_N

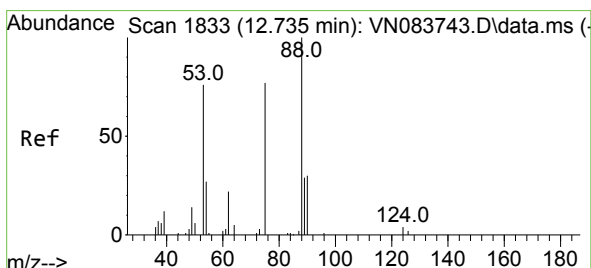
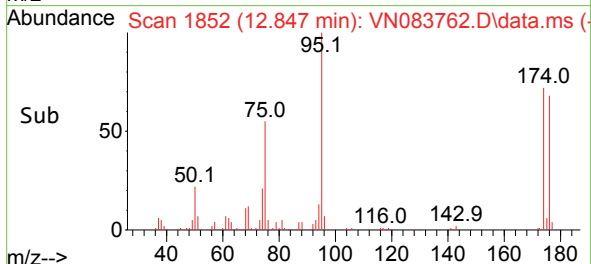
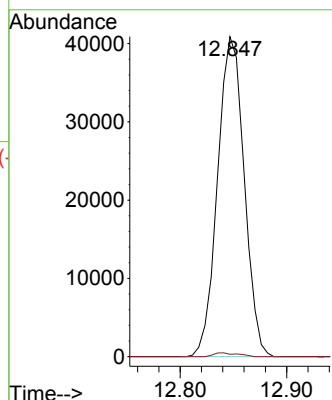
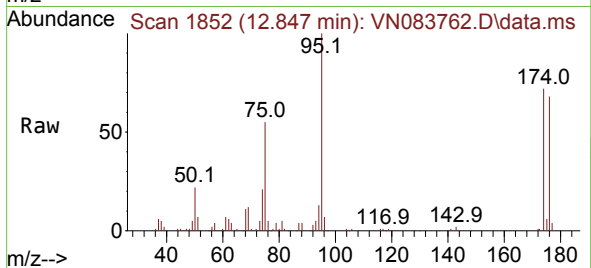
ClientSampleId :

Tgt Ion: 75 Resp: 70928

Ion Ratio Lower Upper

75 100

77 1.1 95.2 285.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.683 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN083762.D

Acq: 10 Sep 2024 19:20

Tgt Ion: 75 Resp: 70928

Ion Ratio Lower Upper

75 100

53 0.0 81.2 121.8#

89 0.0 35.7 53.5#

