

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
 Data File : VN083771.D
 Acq On : 11 Sep 2024 04:50
 Operator : JC\MD
 Sample : PB163204ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 11 05:51:10 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

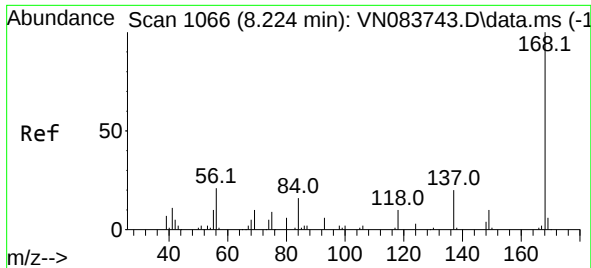
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.218	168	97637	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	208213	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	245297	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	118912	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	98683	67.030	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 134.060%#			
35) Dibromofluoromethane	8.159	113	79187	59.407	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 118.820%			
50) Toluene-d8	10.565	98	284737	61.791	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 123.580%#			
62) 4-Bromofluorobenzene	12.847	95	133877	70.418	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 140.840%#			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1061	Below Cal	#	41
5) Bromomethane	2.918	94	446	0.625	ug/l #	2
11) Tert butyl alcohol	5.524	59	54	0.274	ug/l #	71
13) Acrolein	4.189	56	72	0.370	ug/l #	13
16) Acetone	4.436	43	28884	48.941	ug/l	94
17) Carbon Disulfide	4.695	76	842	0.285	ug/l #	75
18) Methyl Acetate	5.036	43	5643	2.839	ug/l #	85
20) Methylene Chloride	5.253	84	2825	2.339	ug/l	91
25) 2-Butanone	7.494	43	3490	4.499	ug/l	98
29) Tetrahydrofuran	7.847	42	182	0.397	ug/l #	32
31) Cyclohexane	8.230	56	2460	1.156	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	9291	4.631	ug/l #	50
37) Ethyl Acetate	7.565	43	3184	1.748	ug/l #	84
38) Carbon Tetrachloride	8.224	117	10924	4.799	ug/l #	18
42) 1,2-Dichloroethane	8.682	62	1015	0.450	ug/l #	77
43) Isopropyl Acetate	8.688	43	161975	49.082	ug/l #	86
45) 1,2-Dichloropropane	9.741	63	1149	0.787	ug/l #	42
48) Methyl methacrylate	9.665	41	3190	2.037	ug/l #	45
51) 4-Methyl-2-Pentanone	10.447	43	4850	2.700	ug/l	87
54) cis-1,3-Dichloropropene	10.359	75	43054	18.277	ug/l #	63
56) Ethyl methacrylate	10.982	69	1083	0.510	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5448	2.299	ug/l #	42
59) 2-Hexanone	11.171	43	105691	79.536	ug/l #	24
74) N-amyl acetate	12.482	43	1356	0.345	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	76515	31.889	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	76515	83.520	ug/l #	9
93) 1,2,4-Trichlorobenzene	15.400	180	646	0.298	ug/l	82
95) Naphthalene	15.635	128	1741	0.264	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.847	180	465	0.225	ug/l #	74

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

Quant Time: Sep 11 05:51:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 03:05:46 2024
Response via : Initial Calibration

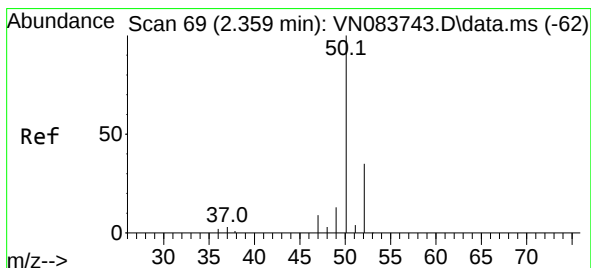
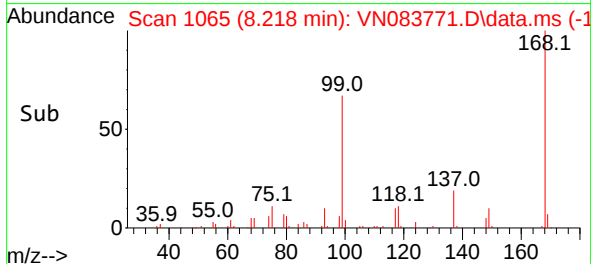
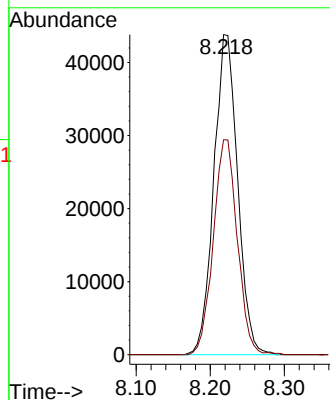
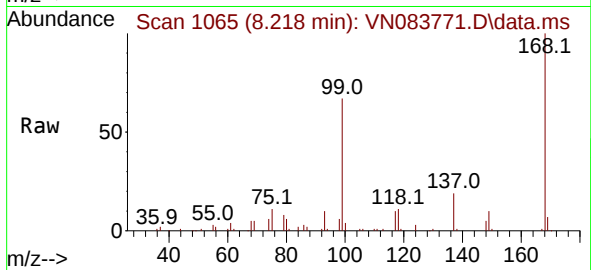




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN083771.D
Acq: 11 Sep 2024 04:50

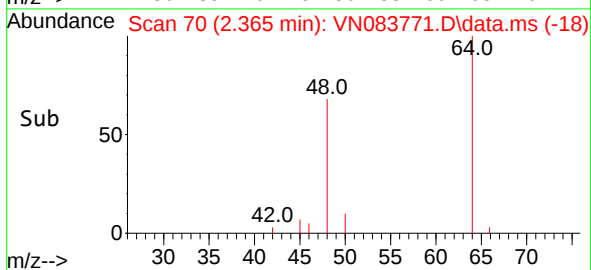
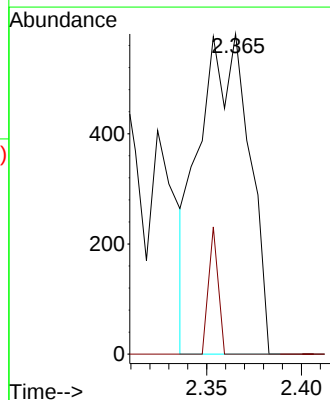
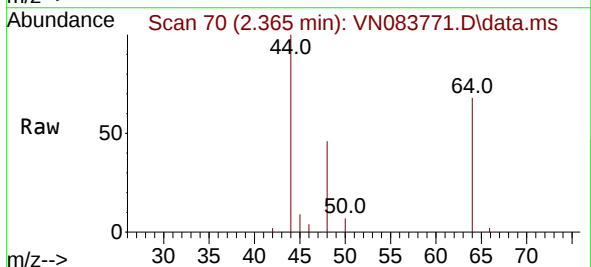
Instrument :
MSVOA_N
ClientSampleId :

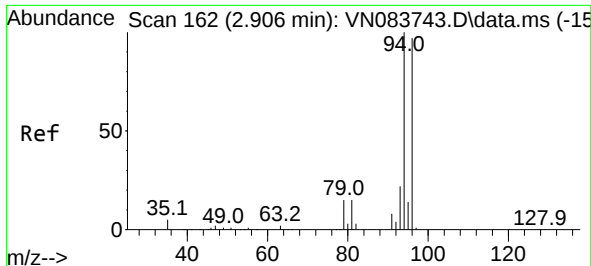
Tgt Ion:168 Resp: 97637
Ion Ratio Lower Upper
168 100
99 67.1 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083771.D
Acq: 11 Sep 2024 04:50

Tgt Ion: 50 Resp: 1061
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

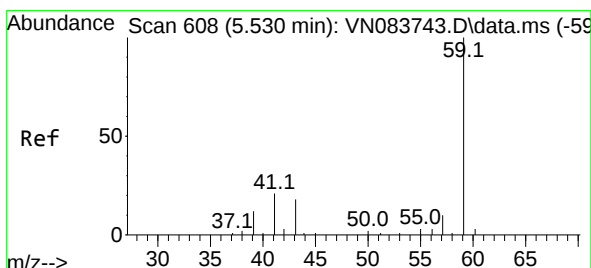
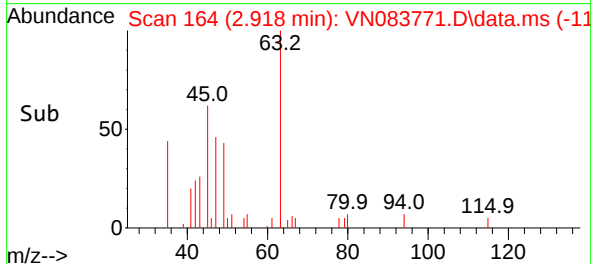
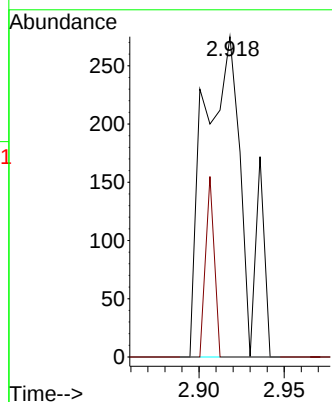
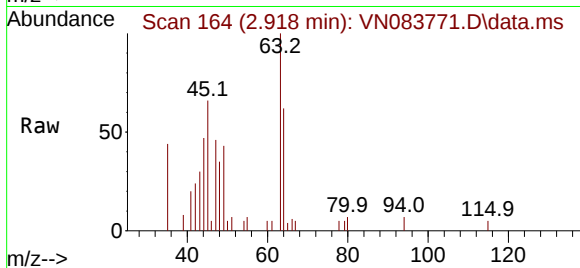




#5
Bromomethane
Concen: 0.625 ug/l
RT: 2.918 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN083771.D
Acq: 11 Sep 2024 04:50

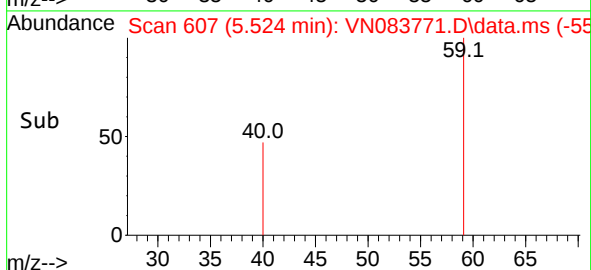
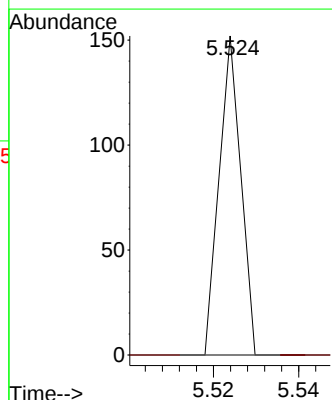
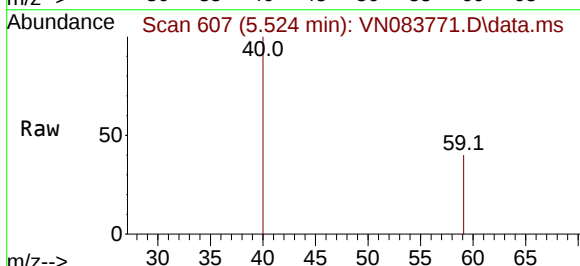
Instrument :
MSVOA_N
ClientSampleId :

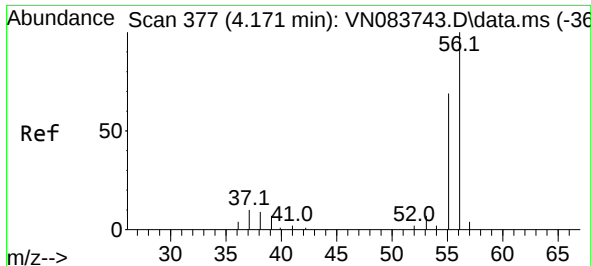
Tgt Ion: 94 Resp: 446
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#



#11
Tert butyl alcohol
Concen: 0.274 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN083771.D
Acq: 11 Sep 2024 04:50

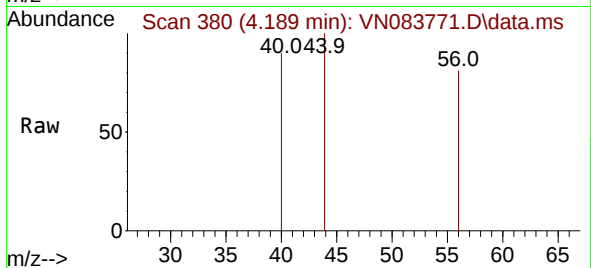
Tgt Ion: 59 Resp: 54
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



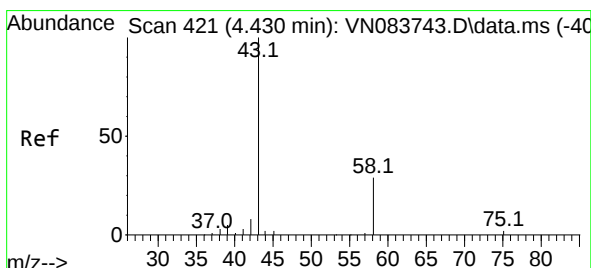
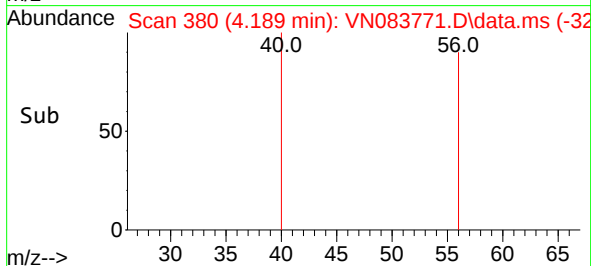
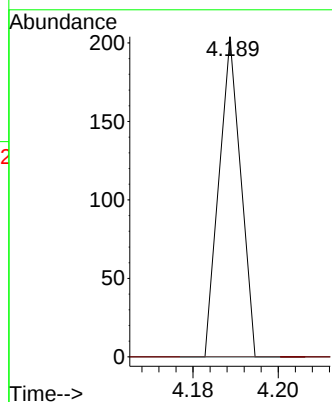


#13
Acrolein
Concen: 0.370 ug/l
RT: 4.189 min Scan# 31
Delta R.T. 0.018 min
Lab File: VN083771.D
Acq: 11 Sep 2024 04:50

Instrument :
MSVOA_N
ClientSampleId :

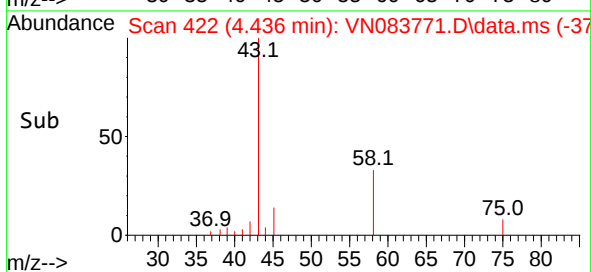
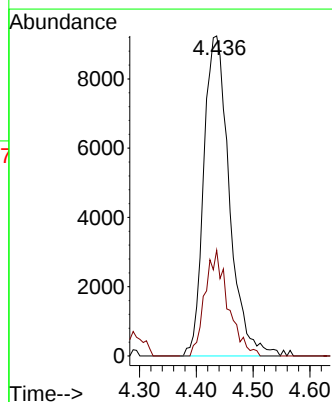
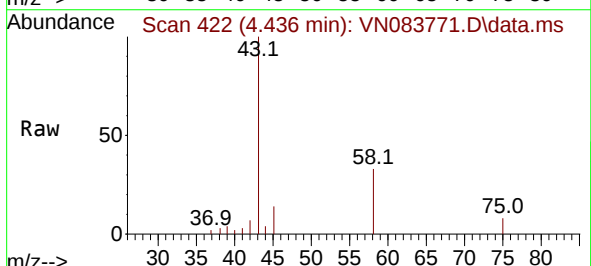


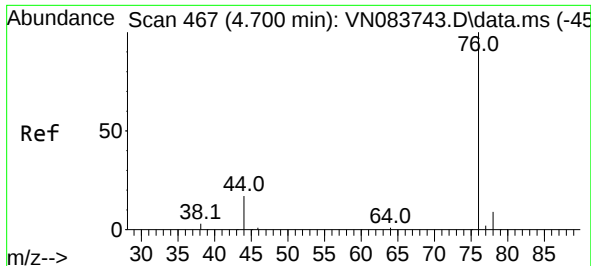
Tgt Ion: 56 Resp: 72
Ion Ratio Lower Upper
56 100
55 0.0 58.2 87.2#



#16
Acetone
Concen: 48.941 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN083771.D
Acq: 11 Sep 2024 04:50

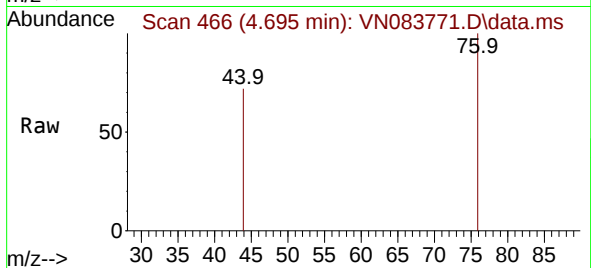
Tgt Ion: 43 Resp: 28884
Ion Ratio Lower Upper
43 100
58 33.0 23.7 35.5



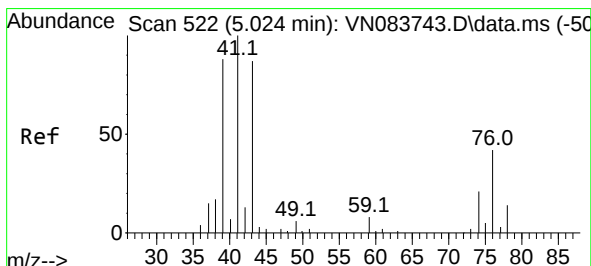
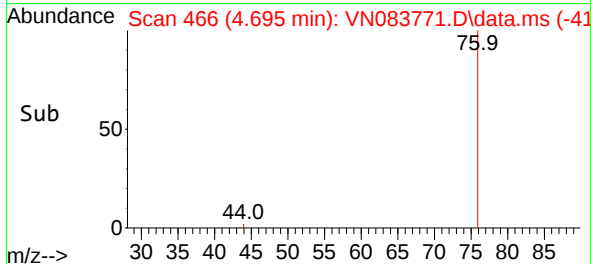
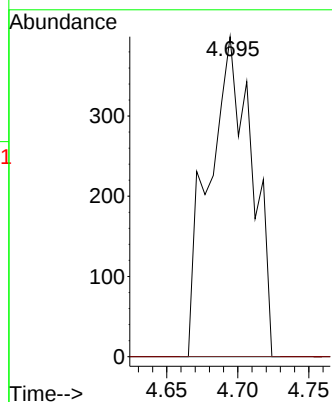


#17
Carbon Disulfide
Concen: 0.285 ug/l
RT: 4.695 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN083771.D
Acq: 11 Sep 2024 04:50

Instrument :
MSVOA_N
ClientSampleId :

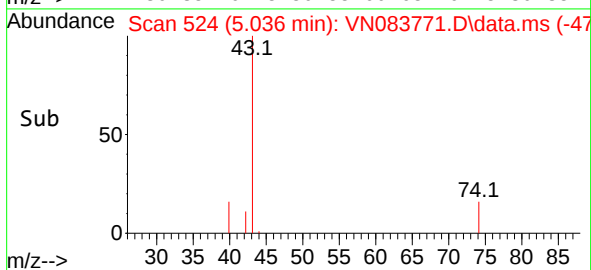
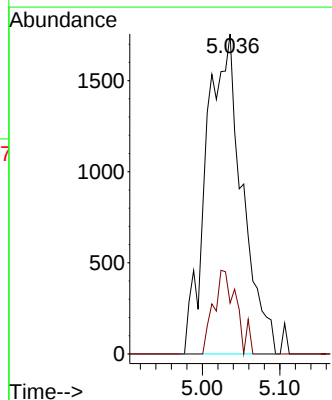
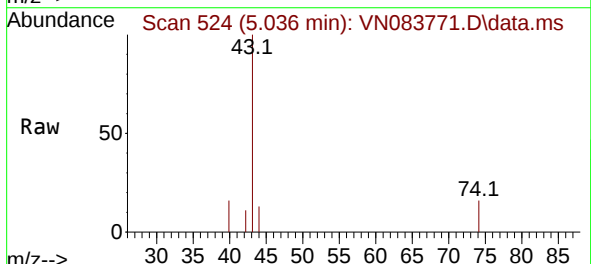


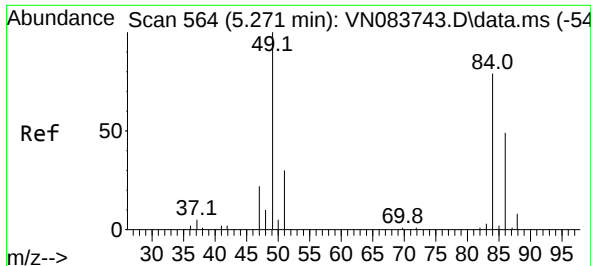
Tgt Ion: 76 Resp: 842
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



#18
Methyl Acetate
Concen: 2.839 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN083771.D
Acq: 11 Sep 2024 04:50

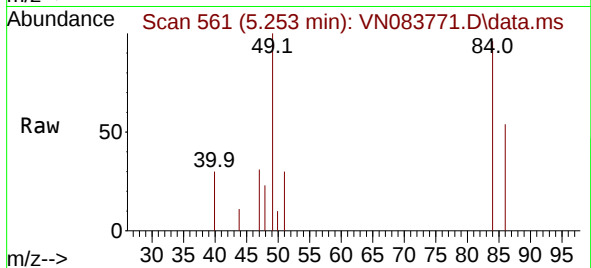
Tgt Ion: 43 Resp: 5643
Ion Ratio Lower Upper
43 100
74 16.5 19.0 28.4#





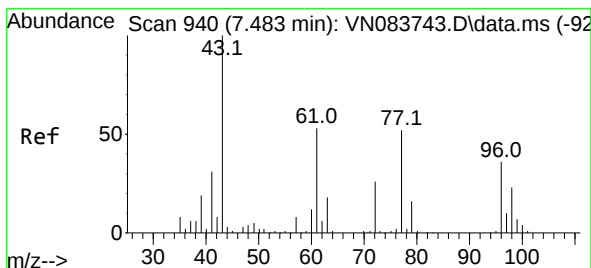
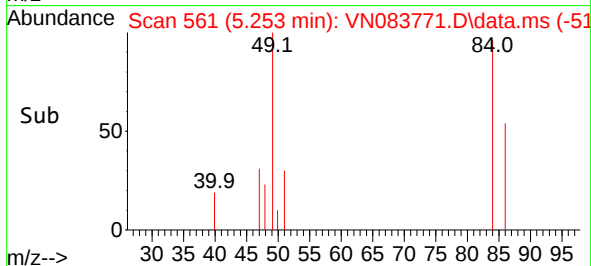
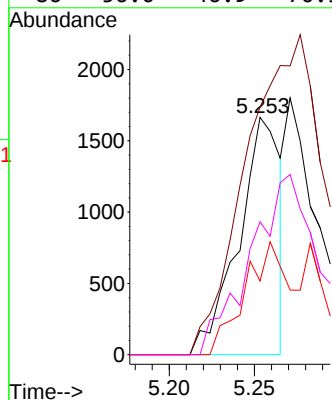
#20
Methylene Chloride
Concen: 2.339 ug/l
RT: 5.253 min Scan# 51
Delta R.T. -0.018 min
Lab File: VN083771.D
Acq: 11 Sep 2024 04:50

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 2825

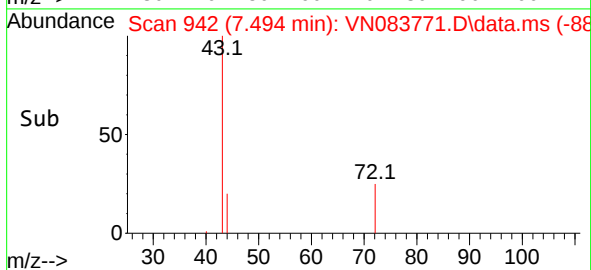
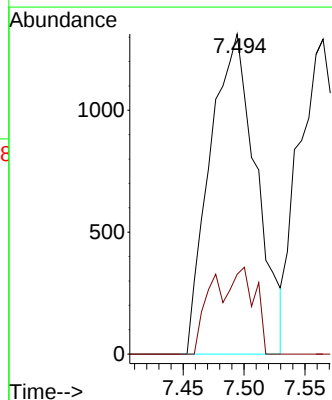
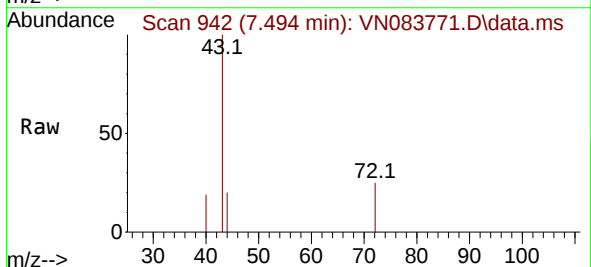
Ion	Ratio	Lower	Upper
84	100		
49	104.3	93.4	140.0
51	31.1	29.2	43.8
86	56.0	46.9	70.3

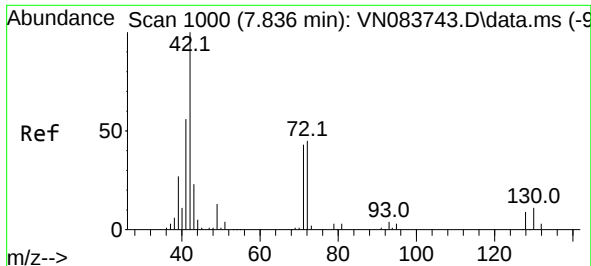


#25
2-Butanone
Concen: 4.499 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN083771.D
Acq: 11 Sep 2024 04:50

Tgt Ion: 43 Resp: 3490

Ion	Ratio	Lower	Upper
43	100		
72	24.9	20.8	31.2





#29

Tetrahydrofuran

Concen: 0.397 ug/l

RT: 7.847 min Scan# 10

Delta R.T. 0.012 min

Lab File: VN083771.D

Acq: 11 Sep 2024 04:50

Instrument :

MSVOA_N

ClientSampleId :

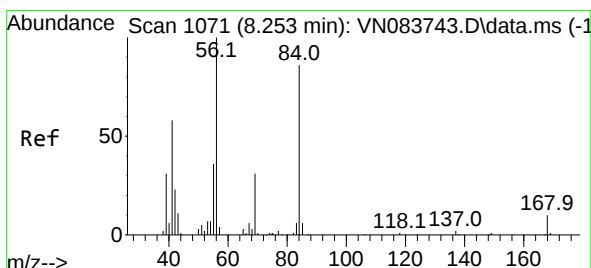
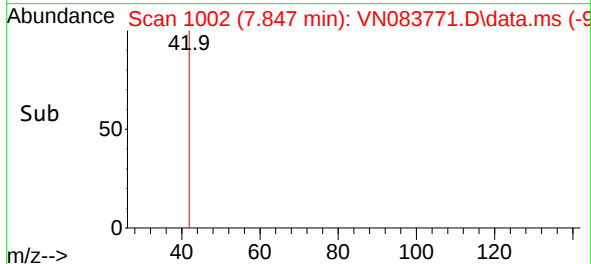
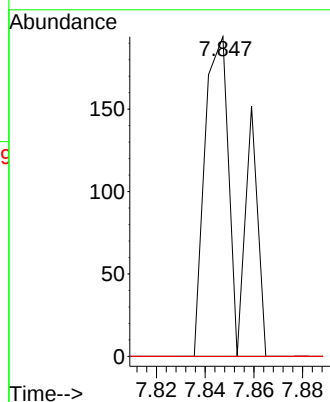
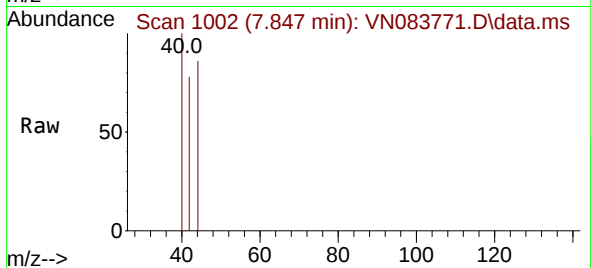
Tgt Ion: 42 Resp: 182

Ion Ratio Lower Upper

42 100

72 0.0 35.9 53.9#

71 0.0 33.9 50.9#



#31

Cyclohexane

Concen: 1.156 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.024 min

Lab File: VN083771.D

Acq: 11 Sep 2024 04:50

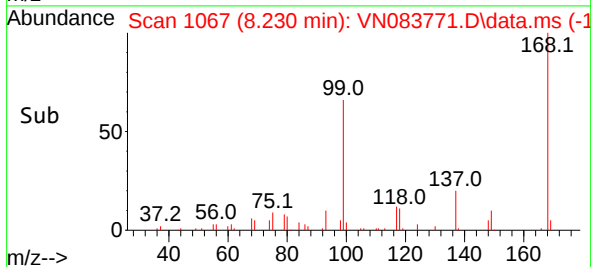
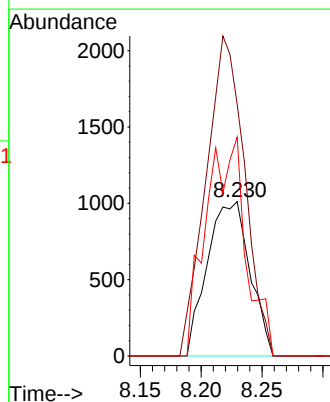
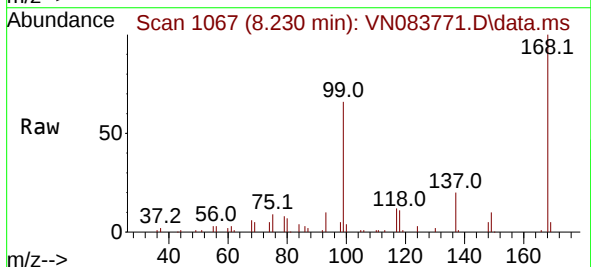
Tgt Ion: 56 Resp: 2460

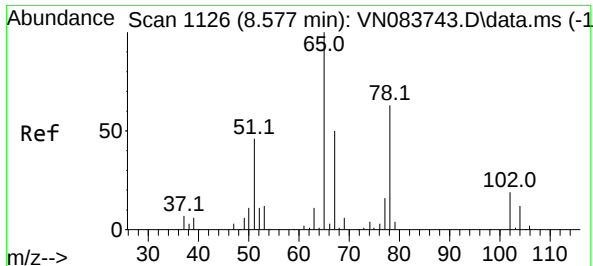
Ion Ratio Lower Upper

56 100

69 163.2 26.9 40.3#

84 141.8 69.2 103.8#





#33

1,2-Dichloroethane-d4

Concen: 67.030 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN083771.D

Acq: 11 Sep 2024 04:50

Instrument :

MSVOA_N

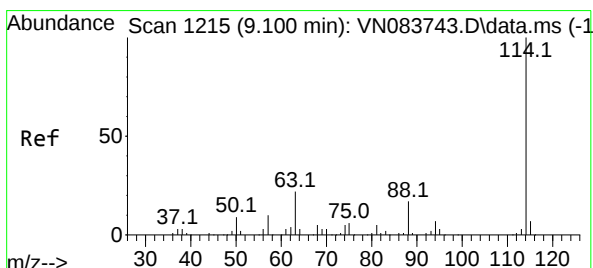
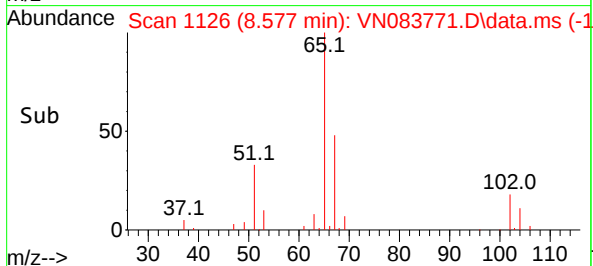
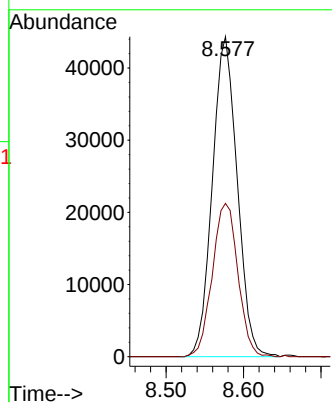
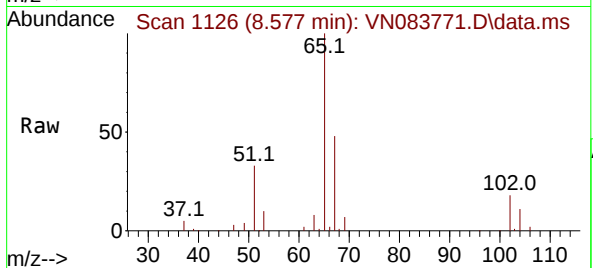
ClientSampleId :

Tgt Ion: 65 Resp: 98683

Ion Ratio Lower Upper

65 100

67 49.4 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: VN083771.D

Acq: 11 Sep 2024 04:50

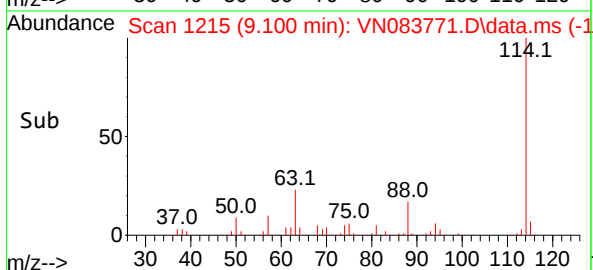
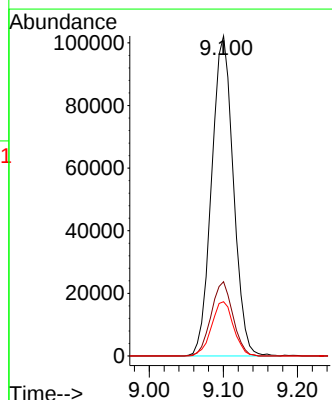
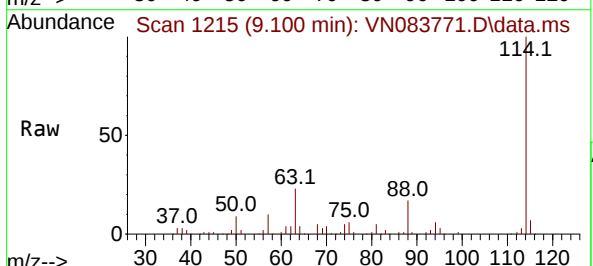
Tgt Ion: 114 Resp: 208213

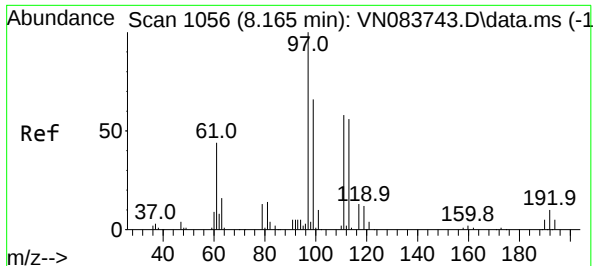
Ion Ratio Lower Upper

114 100

63 23.2 0.0 43.4

88 17.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 59.407 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN083771.D

Acq: 11 Sep 2024 04:50

Instrument :

MSVOA_N

ClientSampleId :

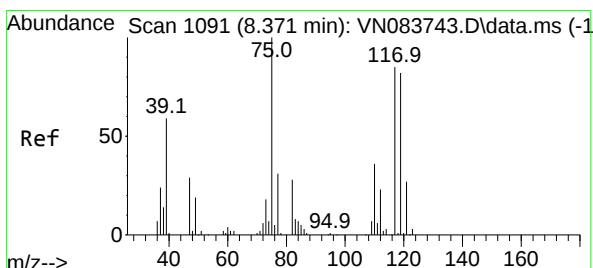
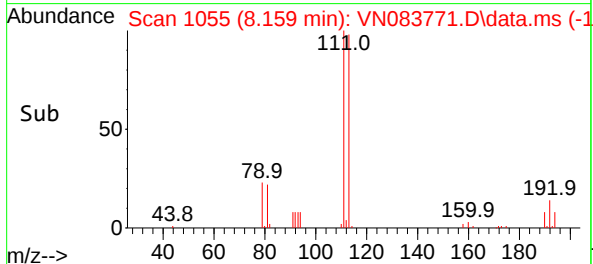
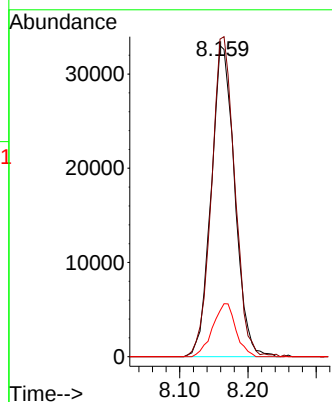
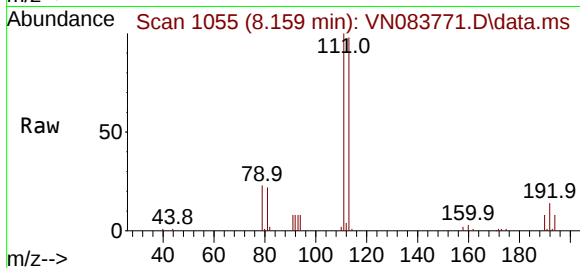
Tgt Ion:113 Resp: 79187

Ion Ratio Lower Upper

113 100

111 101.6 82.6 124.0

192 16.7 14.3 21.5



#36

1,1-Dichloropropene

Concen: 4.631 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN083771.D

Acq: 11 Sep 2024 04:50

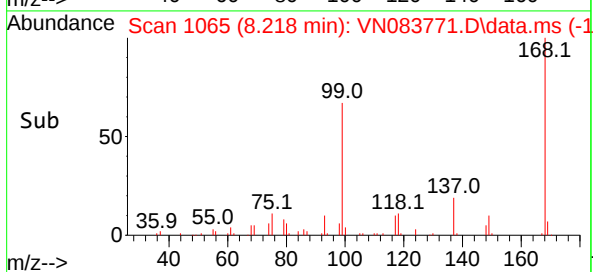
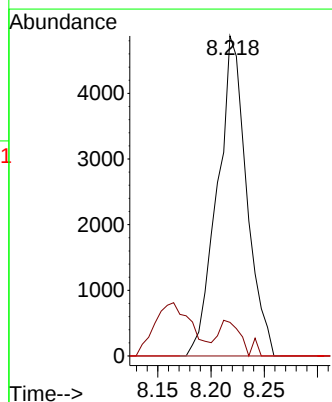
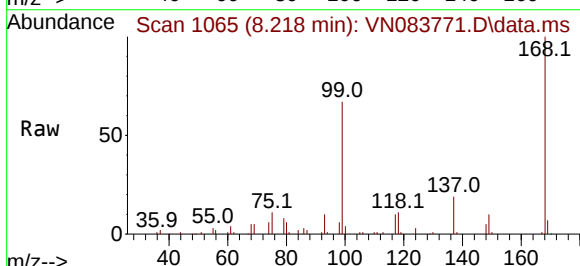
Tgt Ion: 75 Resp: 9291

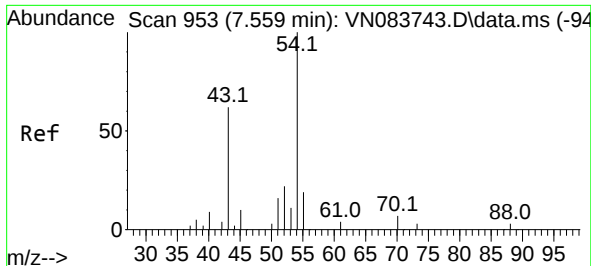
Ion Ratio Lower Upper

75 100

110 8.9 16.7 50.1#

77 0.0 25.2 37.8#

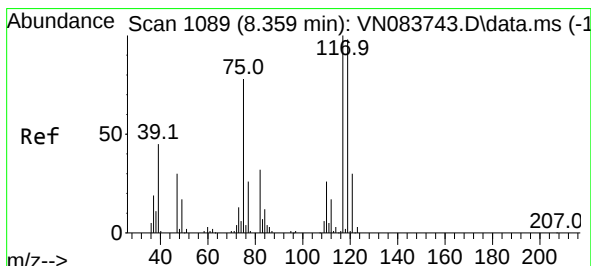
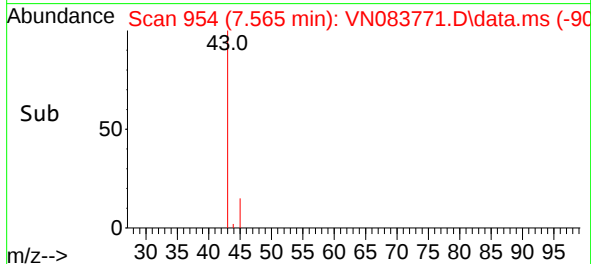
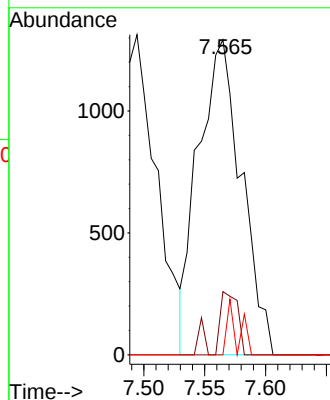
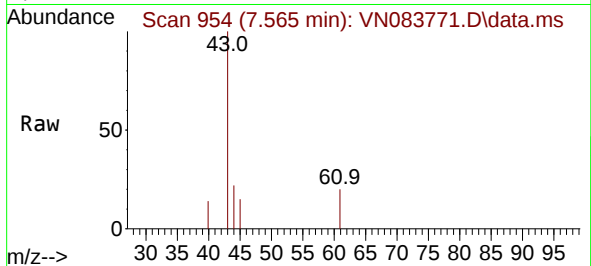




#37
Ethyl Acetate
Concen: 1.748 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN083771.D
Acq: 11 Sep 2024 04:50

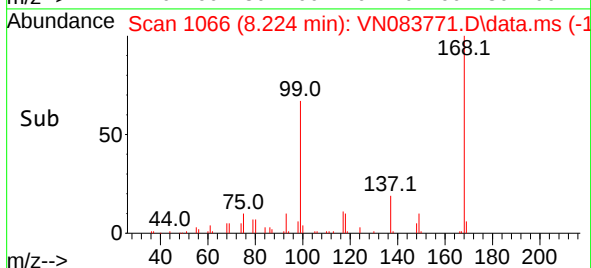
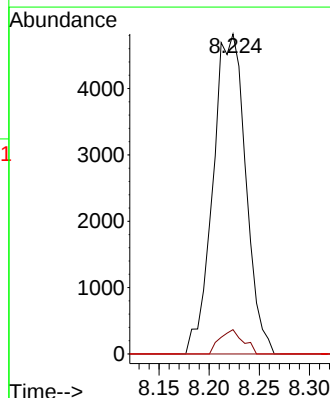
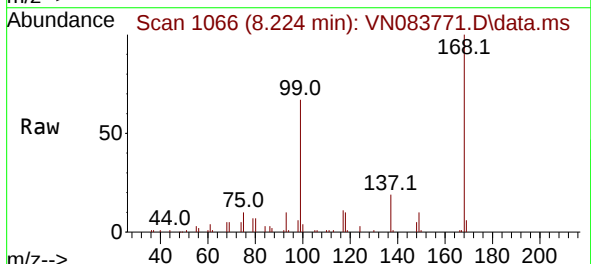
Instrument :
MSVOA_N
ClientSampleId :

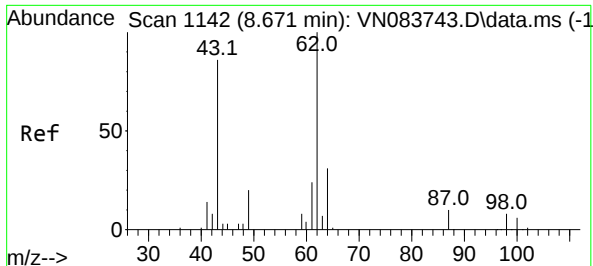
Tgt Ion: 43 Resp: 3184
Ion Ratio Lower Upper
43 100
61 8.0 11.1 16.7#
70 4.4 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 4.799 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083771.D
Acq: 11 Sep 2024 04:50

Tgt Ion: 117 Resp: 10924
Ion Ratio Lower Upper
117 100
119 7.6 76.1 114.1#
121 0.0 24.1 36.1#





#42

1,2-Dichloroethane

Concen: 0.450 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN083771.D

Acq: 11 Sep 2024 04:50

Instrument :

MSVOA_N

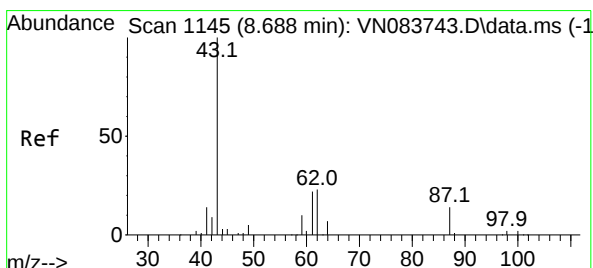
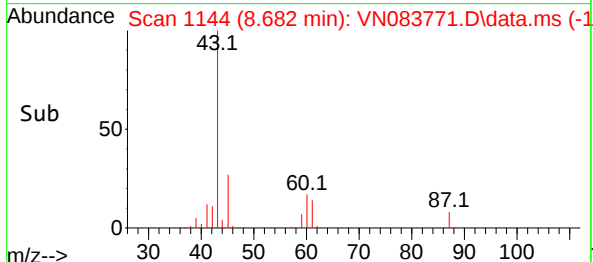
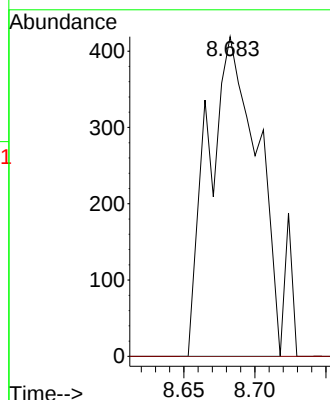
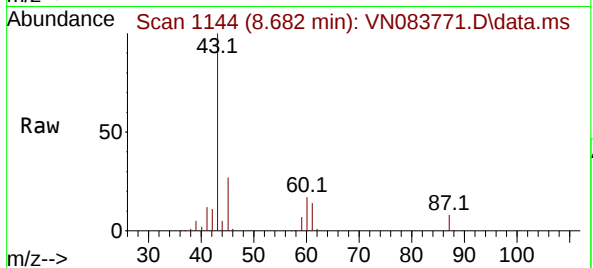
ClientSampleId :

Tgt Ion: 62 Resp: 1015

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.6



#43

Isopropyl Acetate

Concen: 49.082 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN083771.D

Acq: 11 Sep 2024 04:50

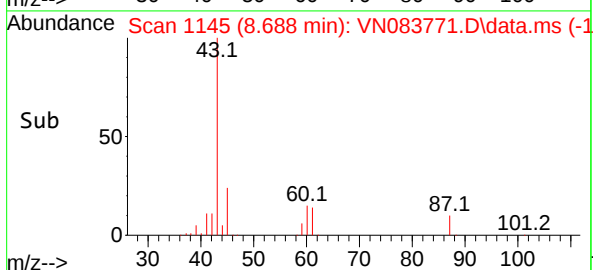
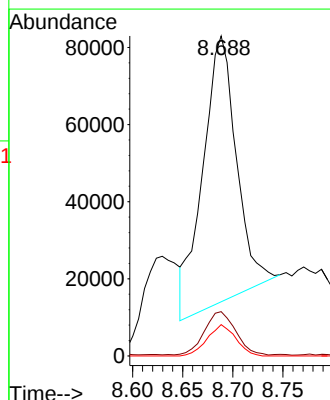
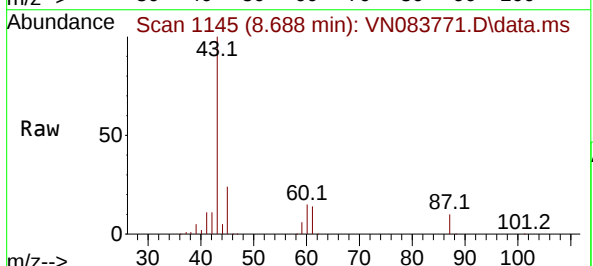
Tgt Ion: 43 Resp: 161975

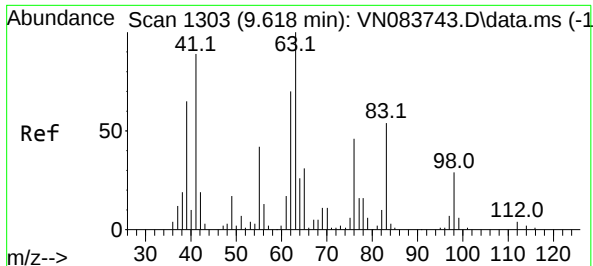
Ion Ratio Lower Upper

43 100

61 15.1 19.4 29.0#

87 9.9 9.8 14.6

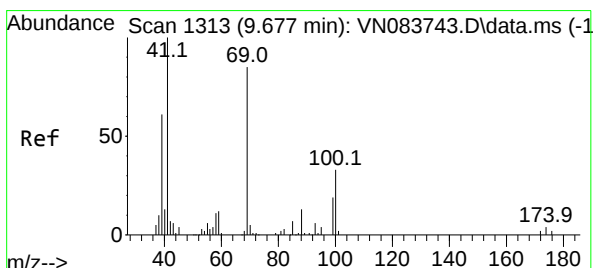
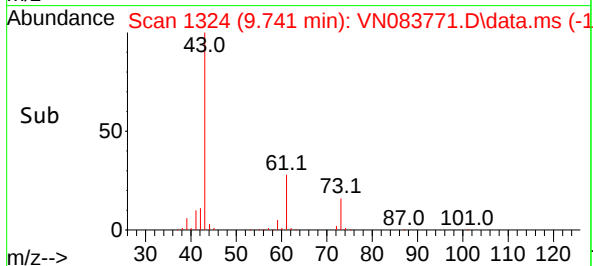
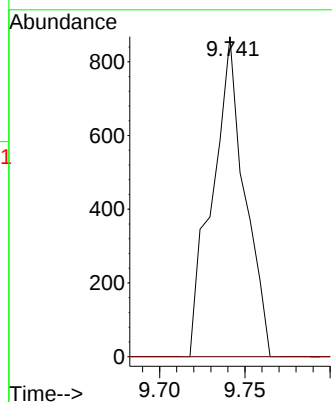
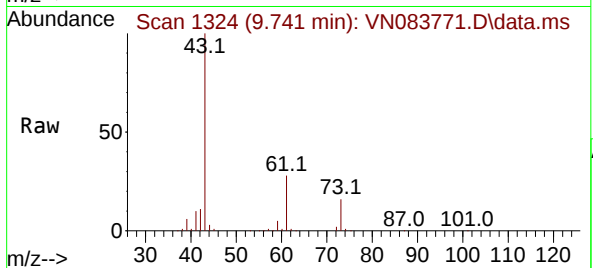




#45
1,2-Dichloropropane
Concen: 0.787 ug/l
RT: 9.741 min Scan# 1149
Delta R.T. 0.124 min
Lab File: VN083771.D
Acq: 11 Sep 2024 04:50

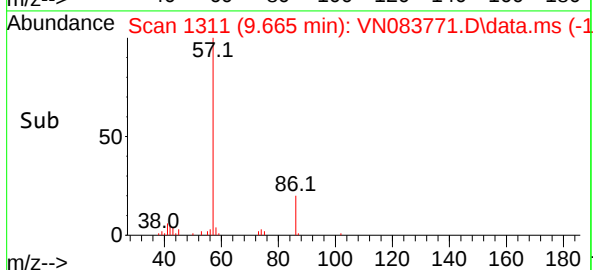
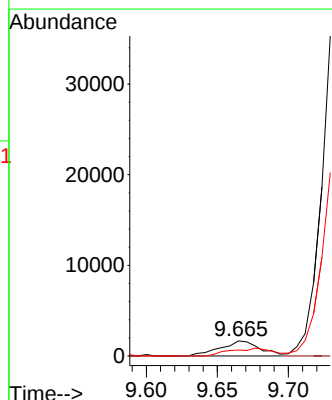
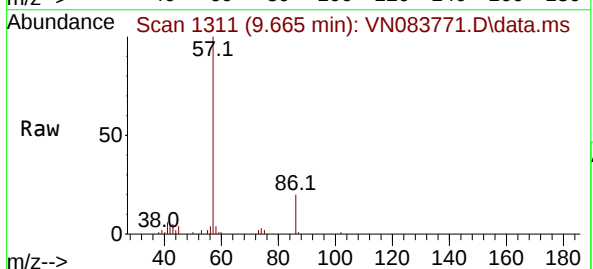
Instrument :
MSVOA_N
ClientSampleId :

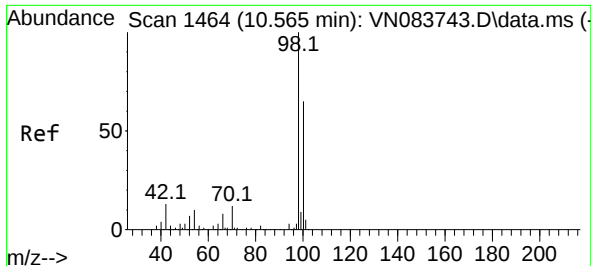
Tgt Ion: 63 Resp: 1149
Ion Ratio Lower Upper
63 100
65 0.0 25.9 38.9#



#48
Methyl methacrylate
Concen: 2.037 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.012 min
Lab File: VN083771.D
Acq: 11 Sep 2024 04:50

Tgt Ion: 41 Resp: 3190
Ion Ratio Lower Upper
41 100
69 0.0 64.3 96.5#
39 54.4 48.9 73.3

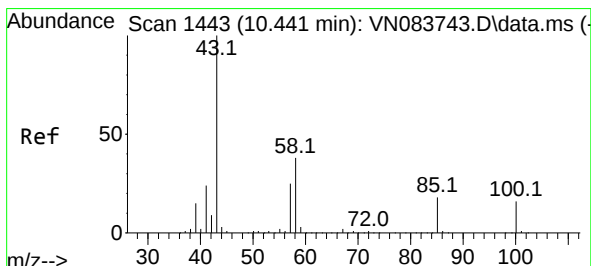
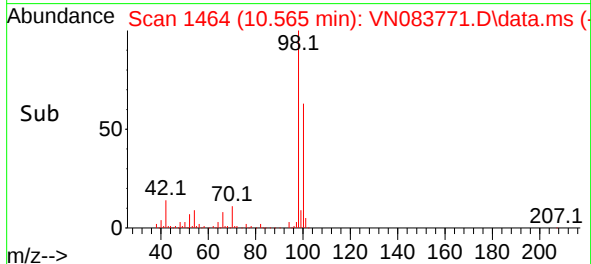
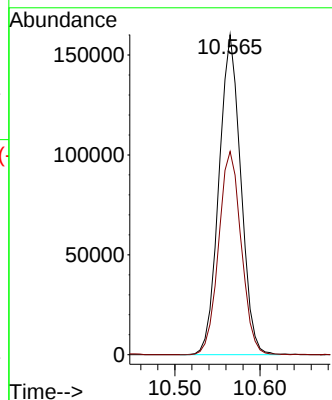
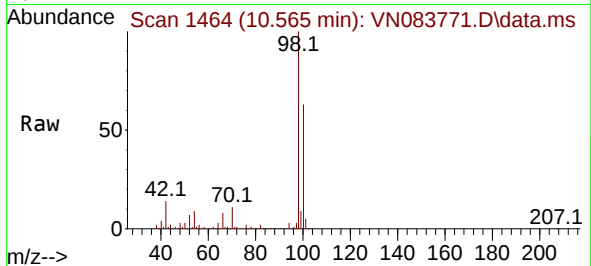




#50
Toluene-d8
Concen: 61.791 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083771.D
Acq: 11 Sep 2024 04:50

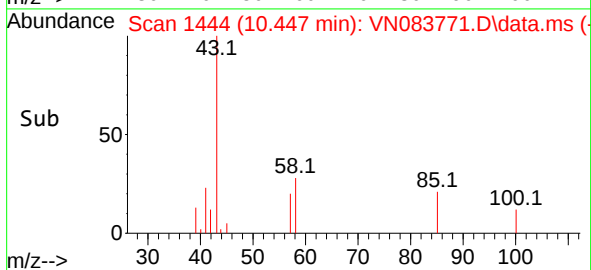
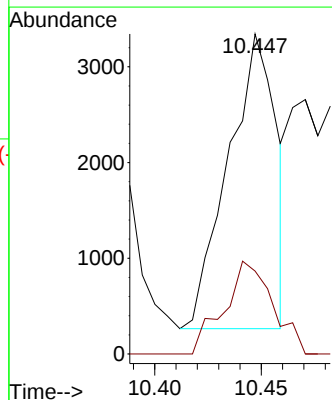
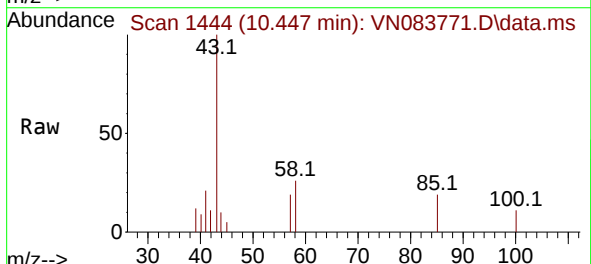
Instrument :
MSVOA_N
ClientSampleId :

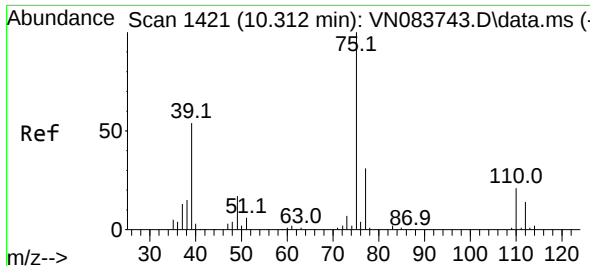
Tgt Ion: 98 Resp: 284737
Ion Ratio Lower Upper
98 100
100 65.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 2.700 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN083771.D
Acq: 11 Sep 2024 04:50

Tgt Ion: 43 Resp: 4850
Ion Ratio Lower Upper
43 100
58 31.7 31.6 47.4

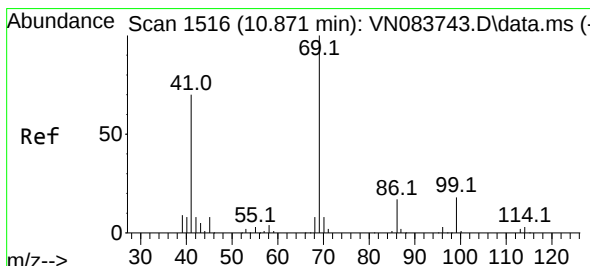
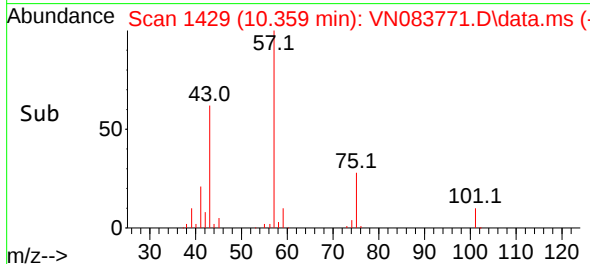
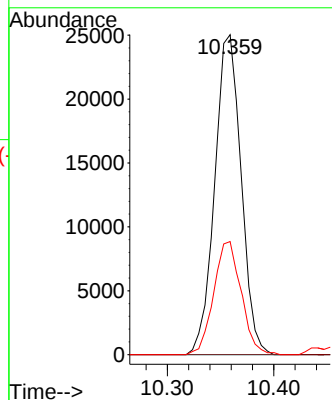
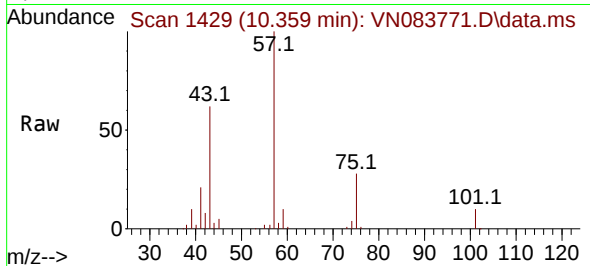




#54
 cis-1,3-Dichloropropene
 Concen: 18.277 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN083771.D
 Acq: 11 Sep 2024 04:50

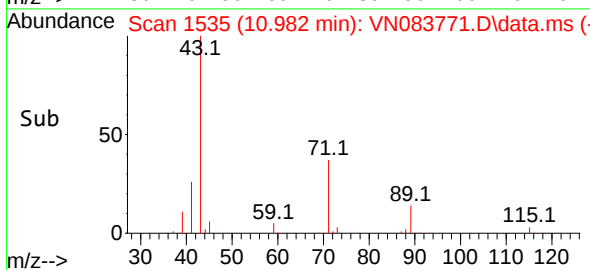
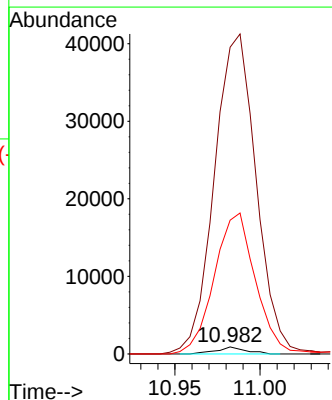
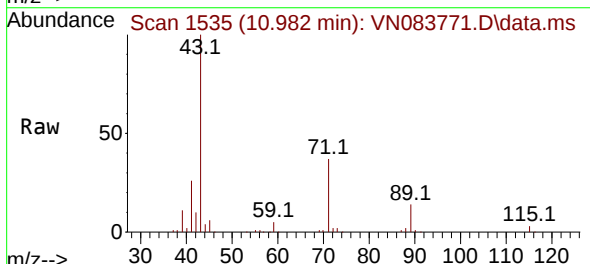
Instrument :
 MSVOA_N
 ClientSampleId :

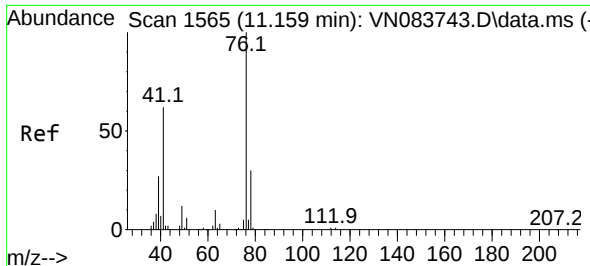
Tgt Ion: 75 Resp: 43054
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 35.3 42.6 64.0#



#56
 Ethyl methacrylate
 Concen: 0.510 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.112 min
 Lab File: VN083771.D
 Acq: 11 Sep 2024 04:50

Tgt Ion: 69 Resp: 1083
 Ion Ratio Lower Upper
 69 100
 41 6535.5 53.9 80.9#
 39 2825.8 32.6 48.8#





#57

1,3-Dichloropropane

Concen: 2.299 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.047 min

Lab File: VN083771.D

Acq: 11 Sep 2024 04:50

Instrument :

MSVOA_N

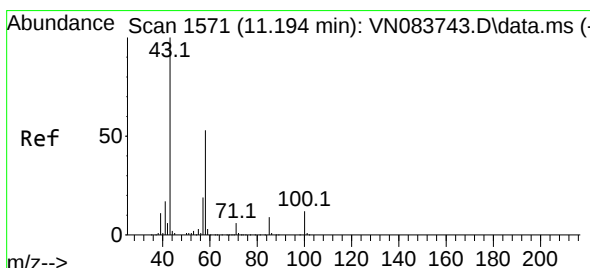
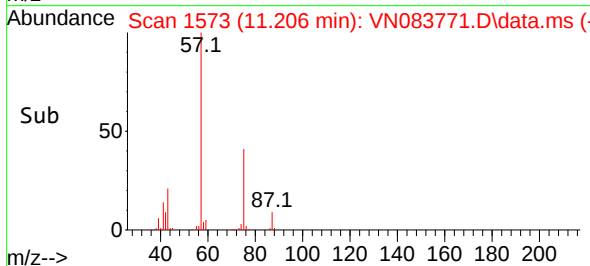
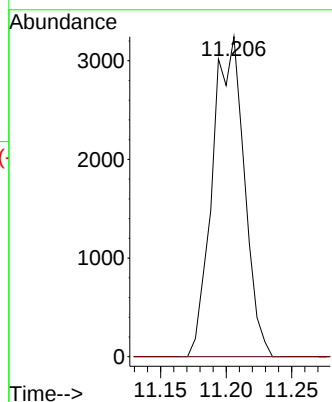
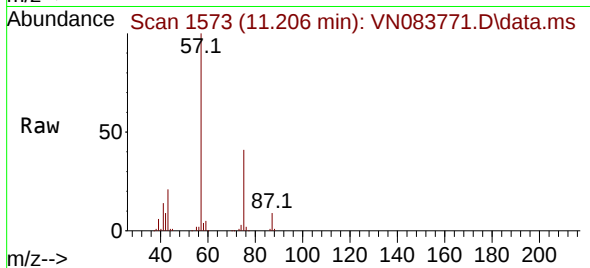
ClientSampleId :

Tgt Ion: 76 Resp: 5448

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 79.536 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN083771.D

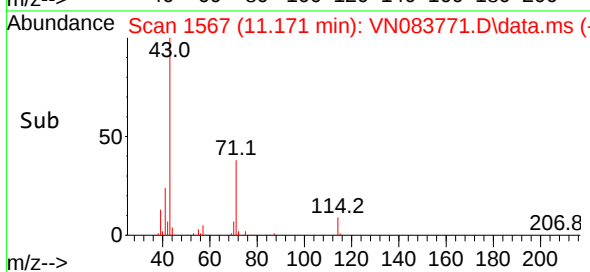
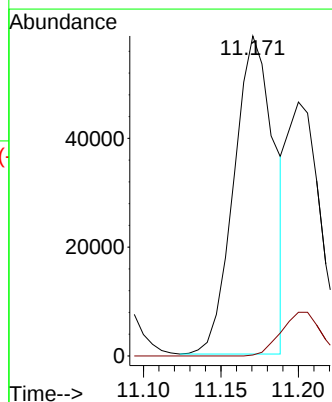
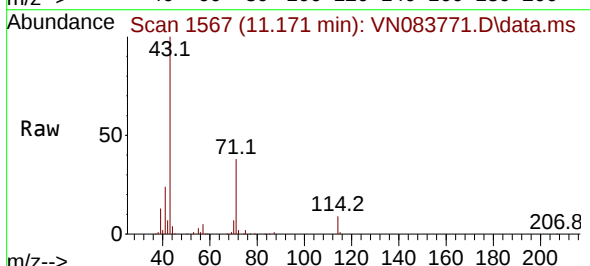
Acq: 11 Sep 2024 04:50

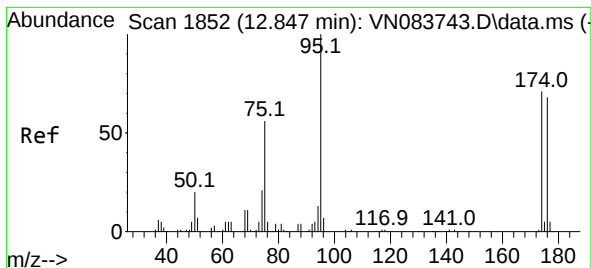
Tgt Ion: 43 Resp: 105691

Ion Ratio Lower Upper

43 100

58 0.0 27.2 81.5#

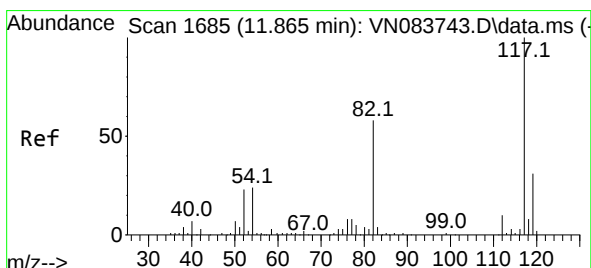
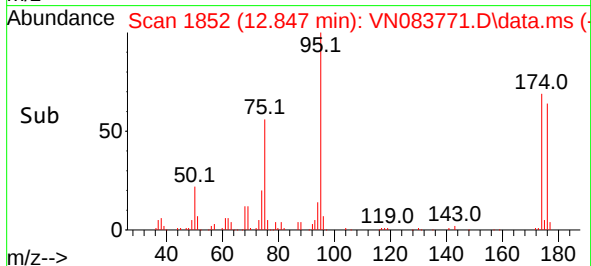
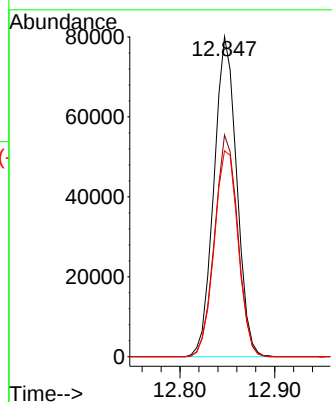
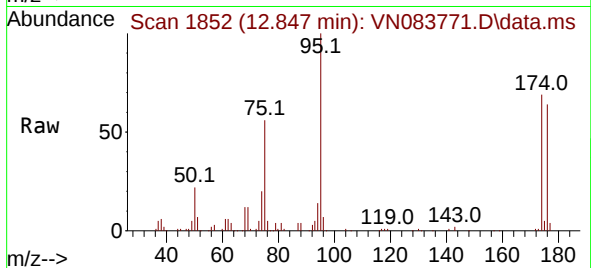




#62
4-Bromofluorobenzene
Concen: 70.418 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083771.D
Acq: 11 Sep 2024 04:50

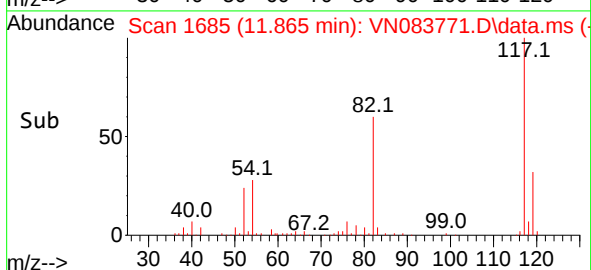
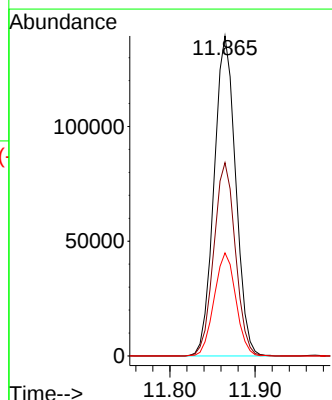
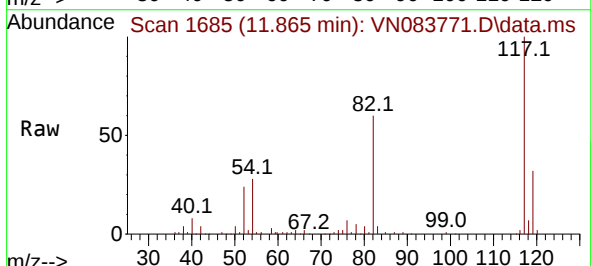
Instrument :
MSVOA_N
ClientSampleId :

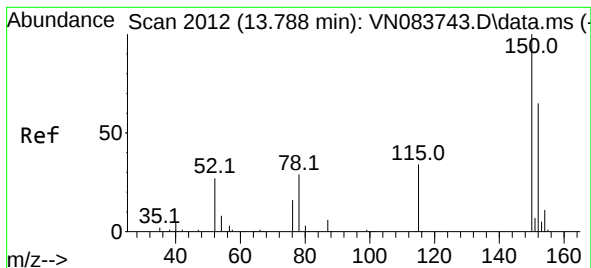
Tgt Ion: 95 Resp: 133877
Ion Ratio Lower Upper
95 100
174 70.5 0.0 139.8
176 67.6 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083771.D
Acq: 11 Sep 2024 04:50

Tgt Ion: 117 Resp: 245297
Ion Ratio Lower Upper
117 100
82 60.4 47.4 71.0
119 32.2 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: VN083771.D

Acq: 11 Sep 2024 04:50

Instrument :

MSVOA_N

ClientSampleId :

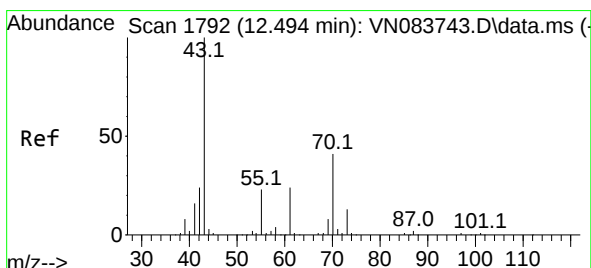
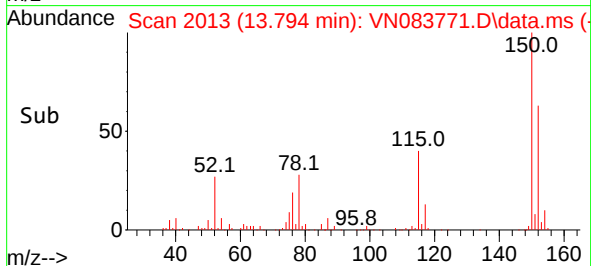
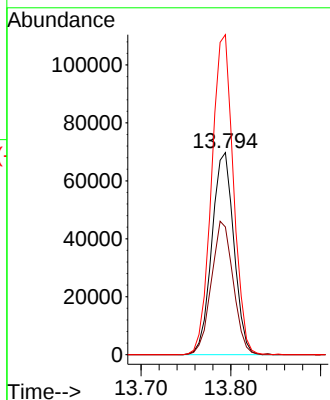
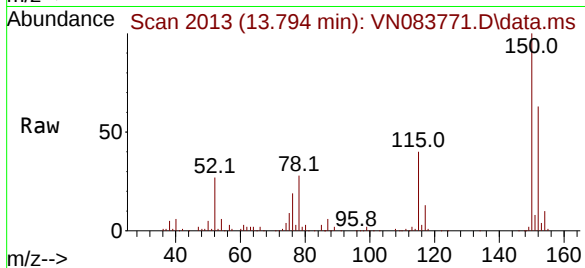
Tgt Ion:152 Resp: 118912

Ion Ratio Lower Upper

152 100

115 65.3 32.2 96.6

150 156.6 0.0 348.6



#74

N-ethyl acetate

Concen: 0.345 ug/l

RT: 12.482 min Scan# 1790

Delta R.T. -0.012 min

Lab File: VN083771.D

Acq: 11 Sep 2024 04:50

Tgt Ion: 43 Resp: 1356

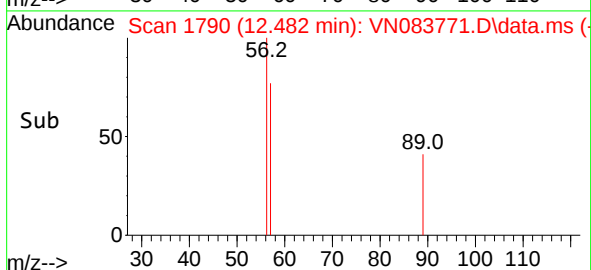
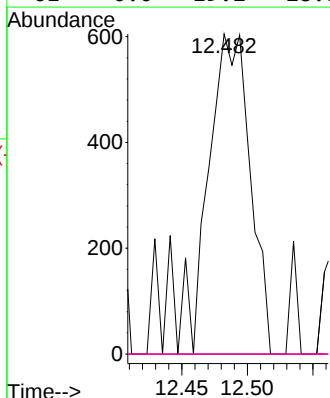
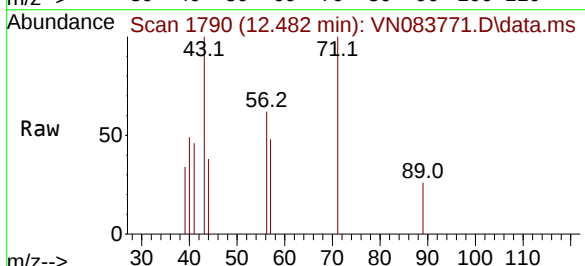
Ion Ratio Lower Upper

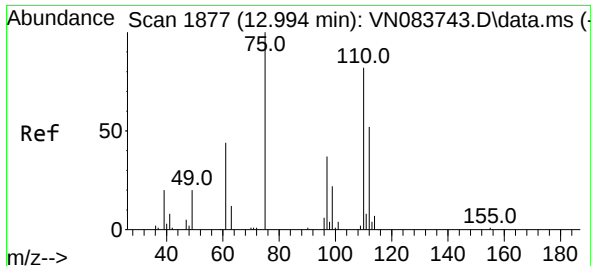
43 100

70 0.0 34.5 51.7#

55 0.0 18.6 28.0#

61 0.0 19.2 28.8#

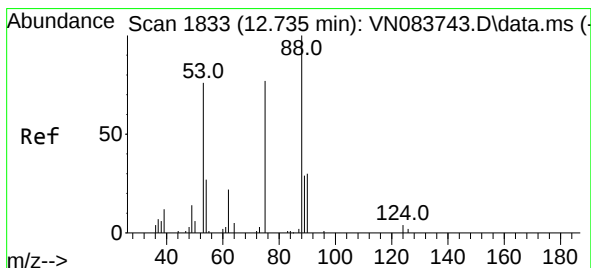
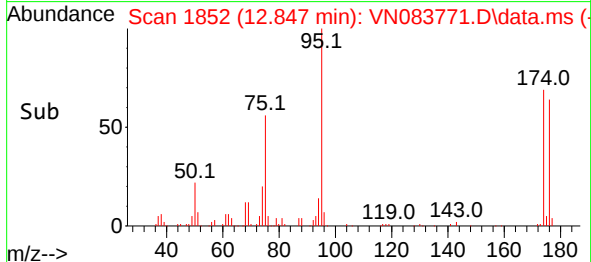
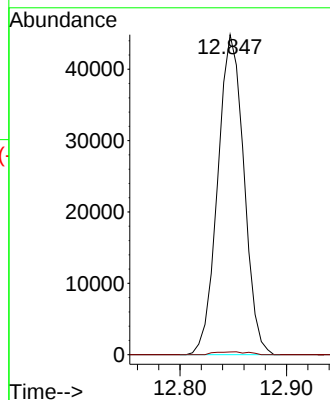
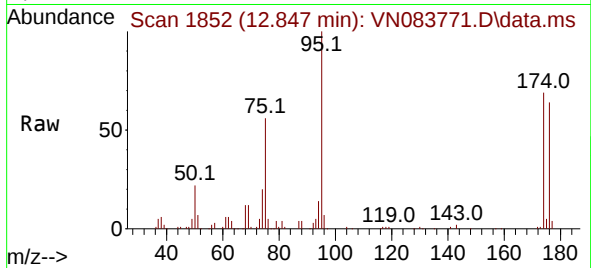




#76
1,2,3-Trichloropropane
Concen: 31.889 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083771.D
Acq: 11 Sep 2024 04:50

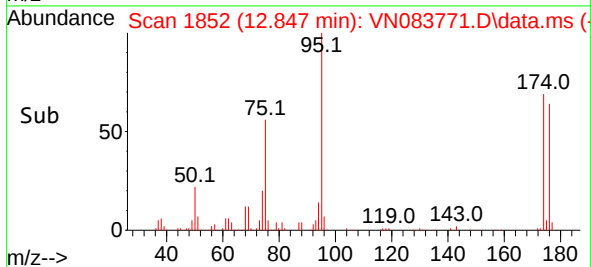
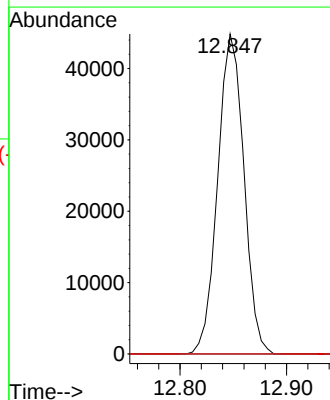
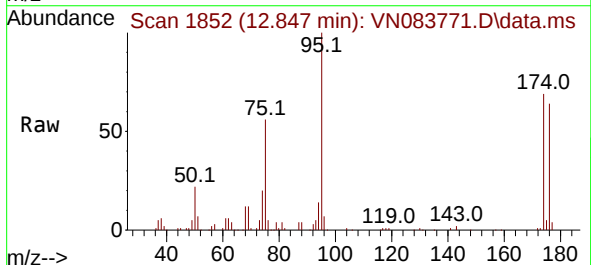
Instrument :
MSVOA_N
ClientSampleId :

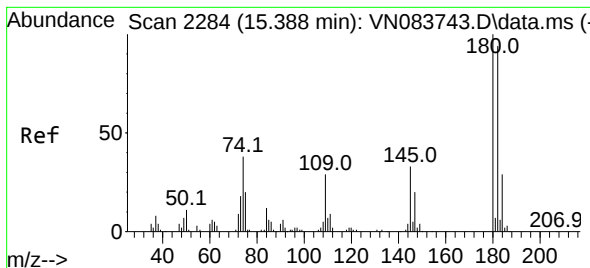
Tgt Ion: 75 Resp: 76515
Ion Ratio Lower Upper
75 100
77 1.2 95.2 285.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.520 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083771.D
Acq: 11 Sep 2024 04:50

Tgt Ion: 75 Resp: 76515
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#





#93

1,2,4-Trichlorobenzene

Concen: 0.298 ug/l

RT: 15.400 min Scan# 21

Delta R.T. 0.012 min

Lab File: VN083771.D

Acq: 11 Sep 2024 04:50

Instrument :

MSVOA_N

ClientSampleId :

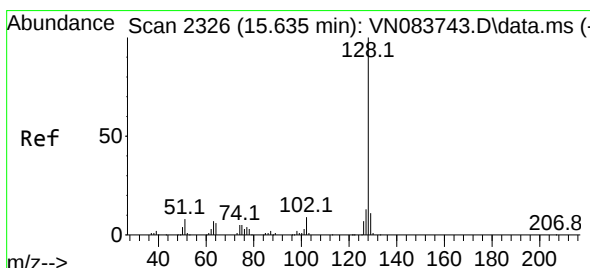
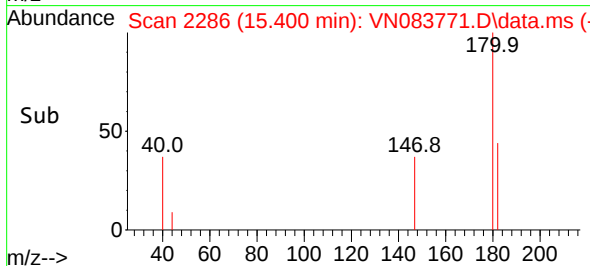
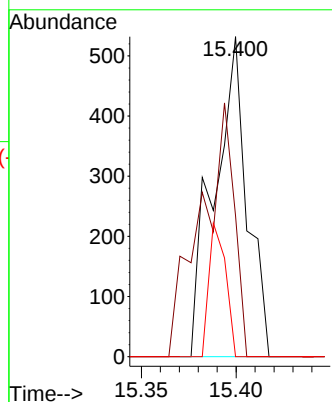
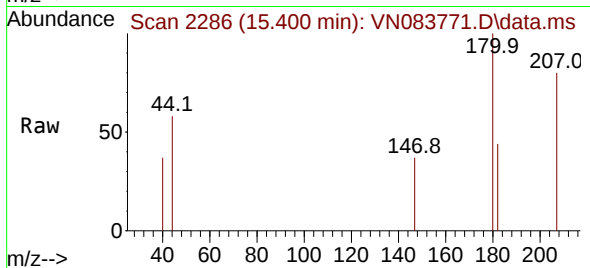
Tgt Ion:180 Resp: 646

Ion Ratio Lower Upper

180 100

182 79.7 48.1 144.3

145 21.1 16.9 50.7



#95

Naphthalene

Concen: 0.264 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. -0.000 min

Lab File: VN083771.D

Acq: 11 Sep 2024 04:50

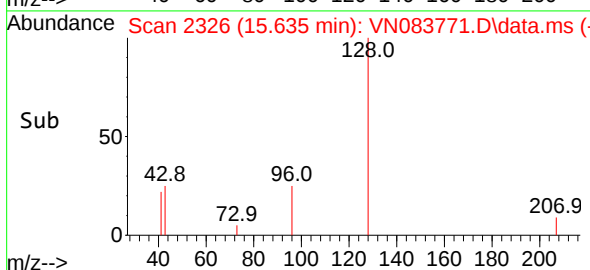
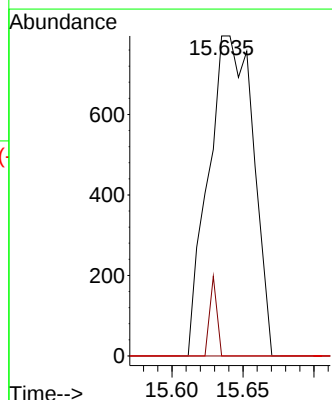
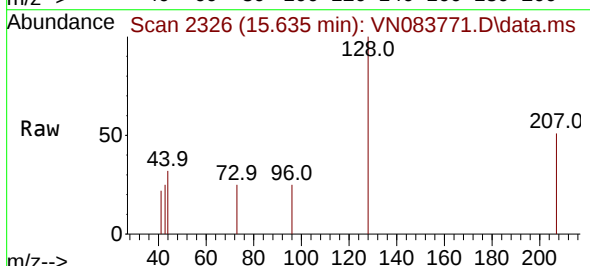
Tgt Ion:128 Resp: 1741

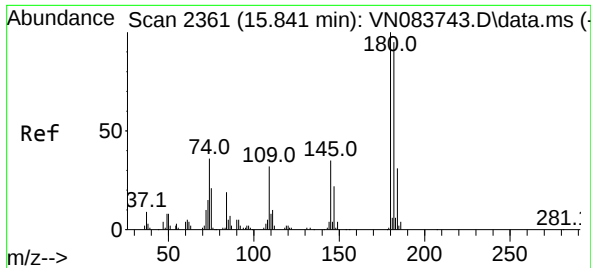
Ion Ratio Lower Upper

128 100

127 4.0 10.2 15.2#

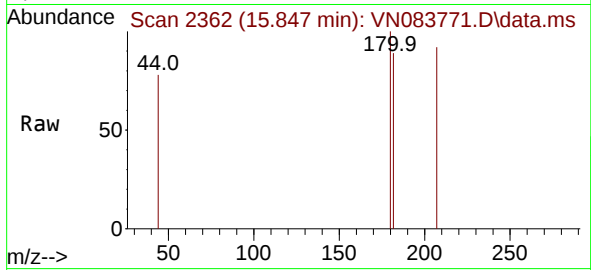
129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.225 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN083771.D
 Acq: 11 Sep 2024 04:50

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	465
Ion	Ratio	Lower	Upper
180	100		
182	106.0	47.1	141.4
145	0.0	17.8	53.5#

