

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092424\
 Data File : VN084123.D
 Acq On : 24 Sep 2024 10:33
 Operator : JC\MD
 Sample : VN0924MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924MBL01

Quant Time: Sep 25 01:29:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

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

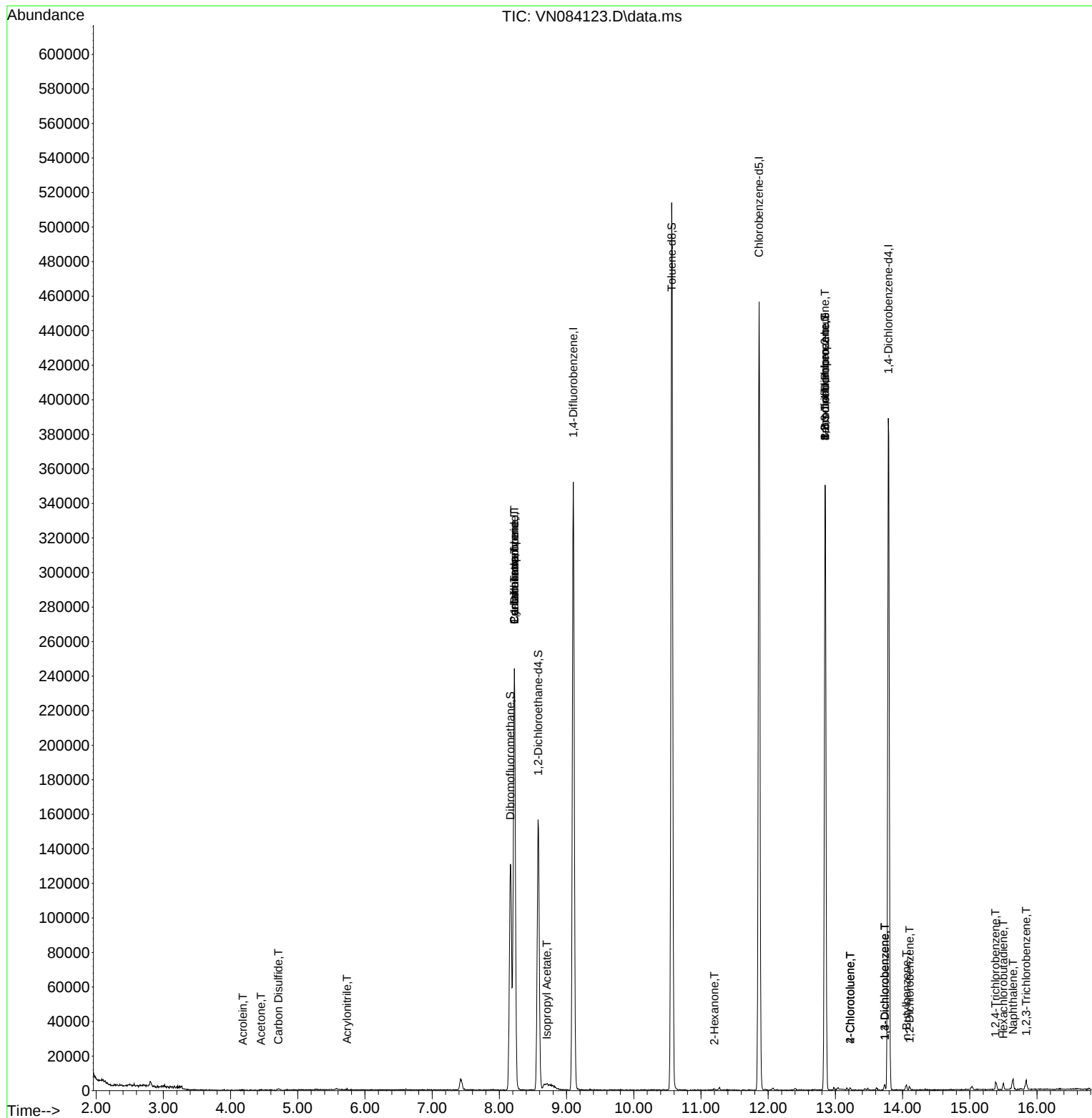
Internal Standards						
1) Pentafluorobenzene	8.224	168	164508	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	291200	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	245384	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	100116	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	128985	51.999	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.000%	
35) Dibromofluoromethane	8.165	113	95349	51.147	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.300%	
50) Toluene-d8	10.565	98	346838	53.817	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.640%	
62) 4-Bromofluorobenzene	12.847	95	119955	45.114	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 90.220%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	212	Below Cal	#	41
13) Acrolein	4.183	56	115	0.351	ug/l #	69
15) Acrylonitrile	5.736	53	376	0.416	ug/l #	79
16) Acetone	4.453	43	387	0.389	ug/l #	45
17) Carbon Disulfide	4.712	76	2037	0.409	ug/l #	75
18) Methyl Acetate	5.053	43	74	Below Cal	#	52
31) Cyclohexane	8.224	56	4334	1.209	ug/l #	29
36) 1,1-Dichloropropene	8.224	75	15188	5.413	ug/l #	51
38) Carbon Tetrachloride	8.224	117	18923	5.944	ug/l #	15
43) Isopropyl Acetate	8.706	43	5518	1.196	ug/l #	57
59) 2-Hexanone	11.200	43	681	0.366	ug/l	66
71) Bromoform	12.847	173	759	0.596	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	66801	33.068	ug/l #	1
79) 2-Chlorotoluene	13.223	91	1250	0.217	ug/l	76
81) trans-1,4-Dichloro-2-b...	12.847	75	66801	86.606	ug/l #	9
82) 4-Chlorotoluene	13.223	91	1250	0.217	ug/l	76
87) 1,3-Dichlorobenzene	13.735	146	1142	0.325	ug/l	92
88) 1,4-Dichlorobenzene	13.735	146	1142	0.321	ug/l	92
89) n-Butylbenzene	14.059	91	2315	0.406	ug/l	94
91) 1,2-Dichlorobenzene	14.106	146	1192	0.351	ug/l	89
93) 1,2,4-Trichlorobenzene	15.382	180	1853	1.017	ug/l	93
94) Hexachlorobutadiene	15.500	225	1010	1.305	ug/l	80
95) Naphthalene	15.647	128	6617	1.194	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.841	180	2427	1.394	ug/l	89

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

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VN0924MBL01

Quant Time: Sep 25 01:29:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

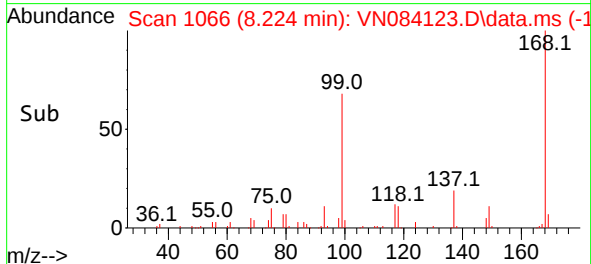
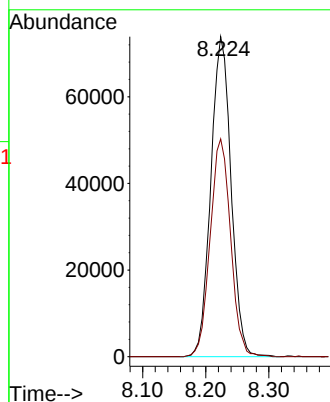
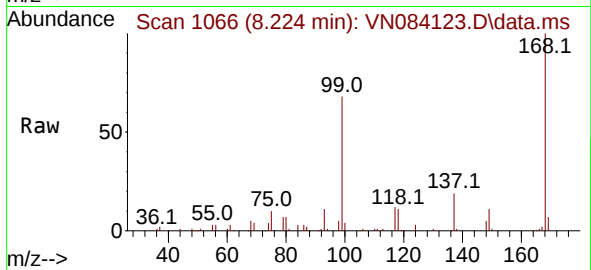




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084123.D
Acq: 24 Sep 2024 10:33

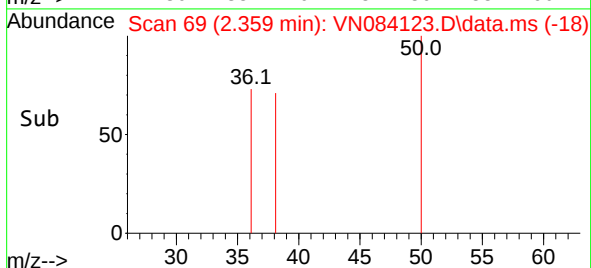
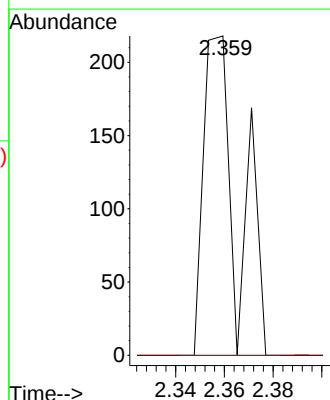
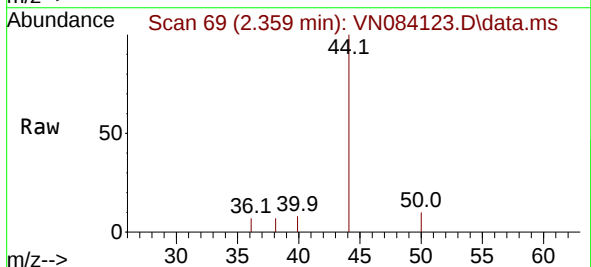
Instrument :
MSVOA_N
ClientSampleId :
VN0924MBL01

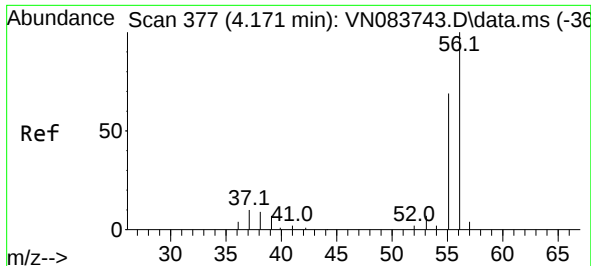
Tgt Ion:168 Resp: 164508
Ion Ratio Lower Upper
168 100
99 68.0 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084123.D
Acq: 24 Sep 2024 10:33

Tgt Ion: 50 Resp: 212
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

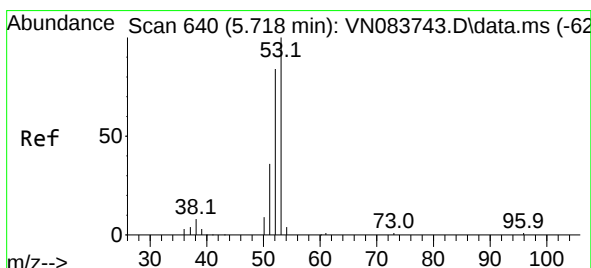
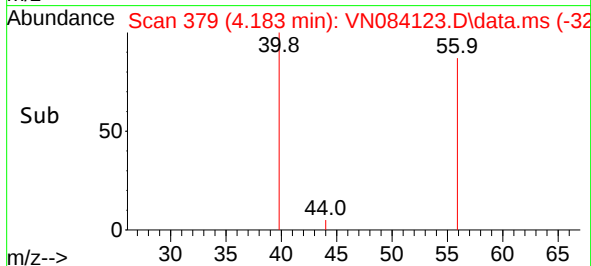
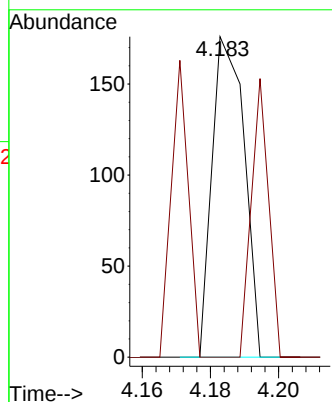
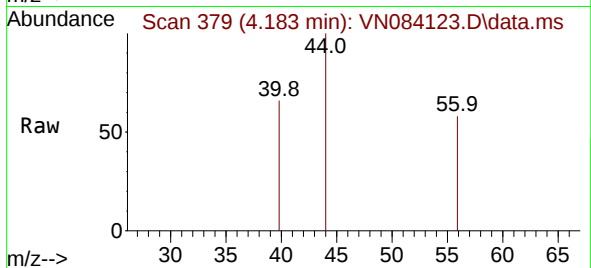




#13
Acrolein
Concen: 0.351 ug/l
RT: 4.183 min Scan# 311
Delta R.T. 0.012 min
Lab File: VN084123.D
Acq: 24 Sep 2024 10:33

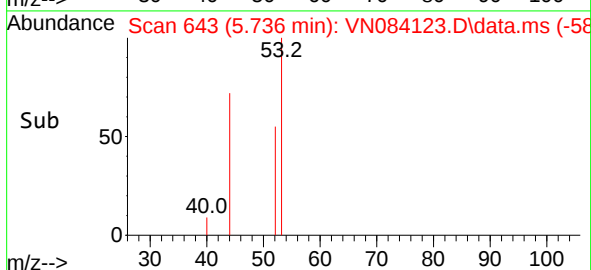
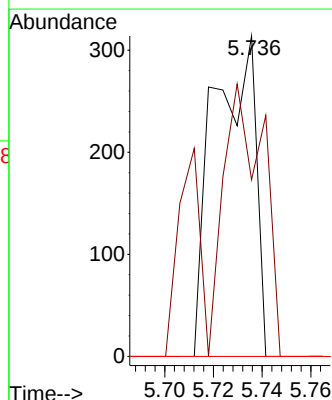
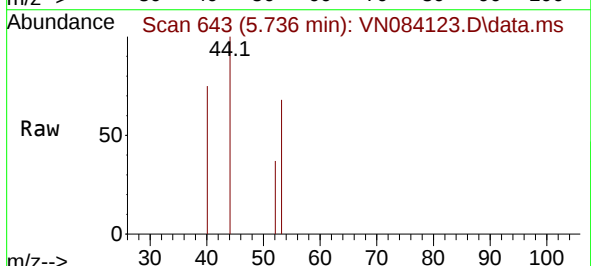
Instrument :
MSVOA_N
ClientSampleId :
VN0924MBL01

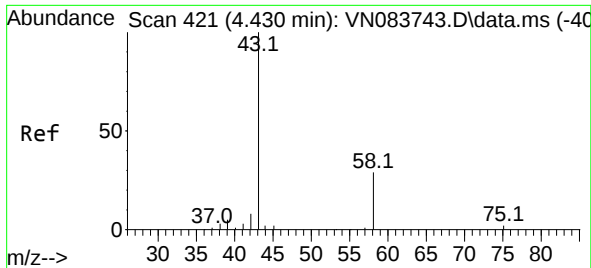
Tgt Ion: 56 Resp: 115
Ion Ratio Lower Upper
56 100
55 47.0 58.2 87.2#



#15
Acrylonitrile
Concen: 0.416 ug/l
RT: 5.736 min Scan# 643
Delta R.T. 0.018 min
Lab File: VN084123.D
Acq: 24 Sep 2024 10:33

Tgt Ion: 53 Resp: 376
Ion Ratio Lower Upper
53 100
52 80.1 66.1 99.1
51 0.0 29.6 44.4#





#16

Acetone

Concen: 0.389 ug/l

RT: 4.453 min Scan# 41

Delta R.T. 0.024 min

Lab File: VN084123.D

Acq: 24 Sep 2024 10:33

Instrument :

MSVOA_N

ClientSampleId :

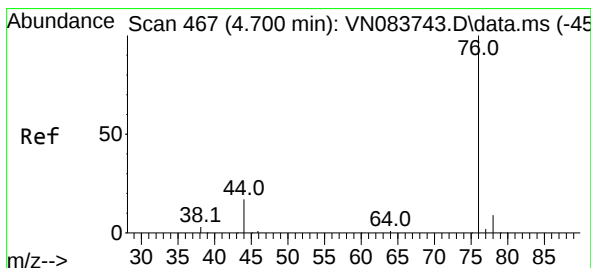
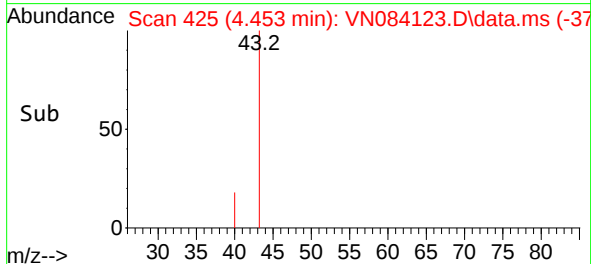
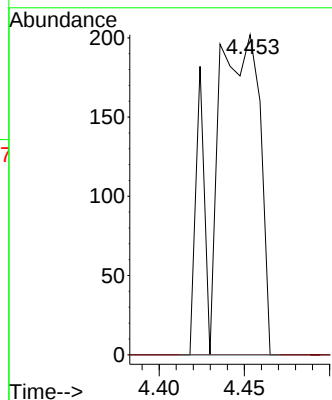
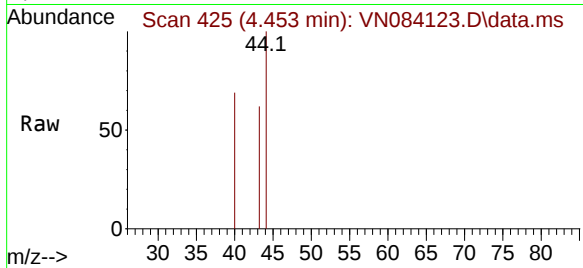
VN0924MBL01

Tgt Ion: 43 Resp: 387

Ion Ratio Lower Upper

43 100

58 0.0 23.7 35.5#



#17

Carbon Disulfide

Concen: 0.409 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.012 min

Lab File: VN084123.D

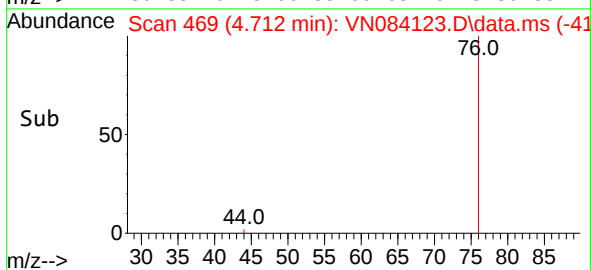
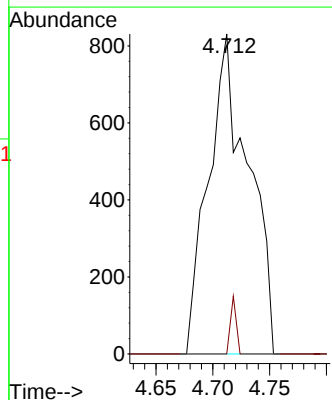
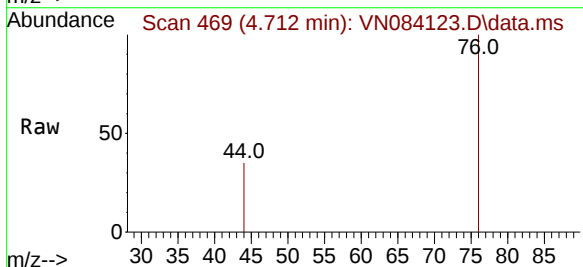
Acq: 24 Sep 2024 10:33

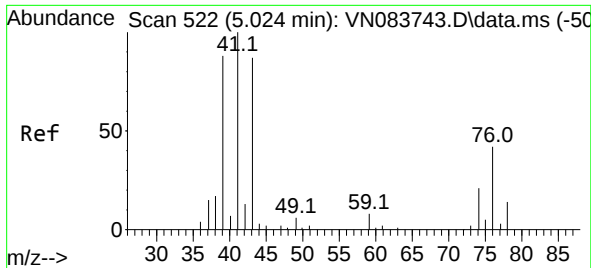
Tgt Ion: 76 Resp: 2037

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#

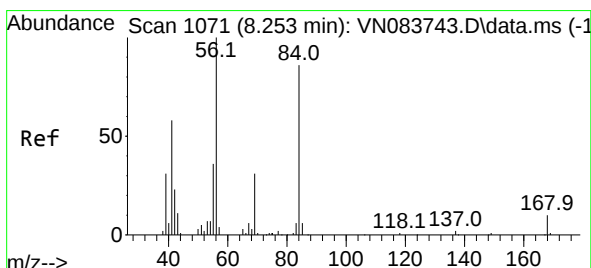
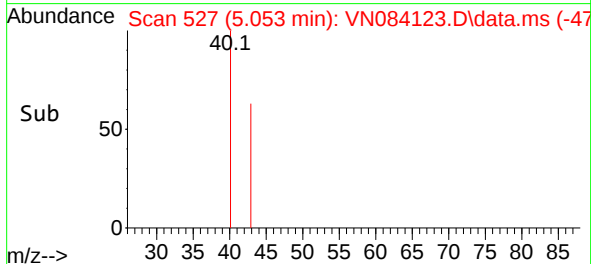
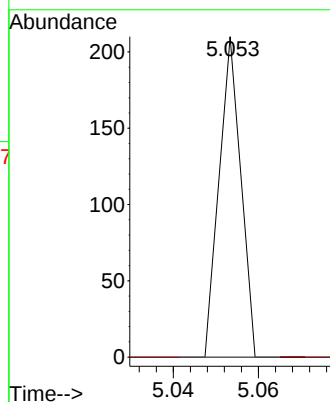
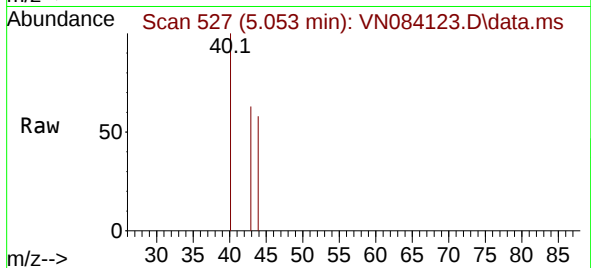




#18
Methyl Acetate
Concen: Below Cal
RT: 5.053 min Scan# 51
Delta R.T. 0.029 min
Lab File: VN084123.D
Acq: 24 Sep 2024 10:33

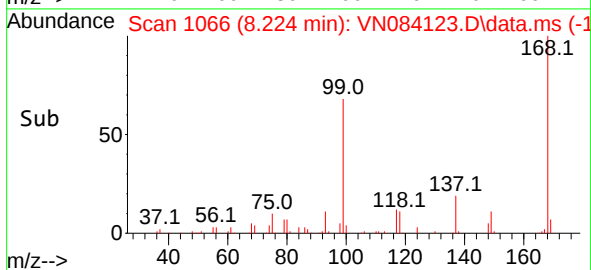
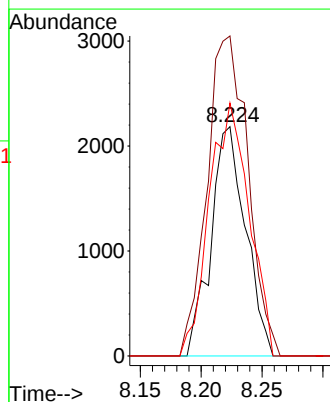
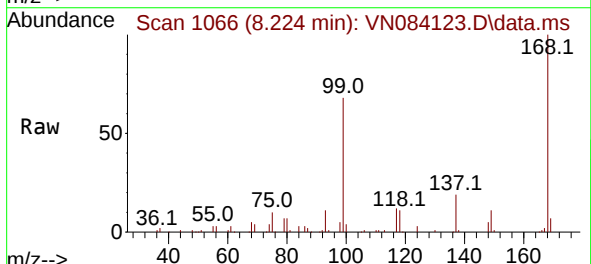
Instrument :
MSVOA_N
ClientSampleId :
VN0924MBL01

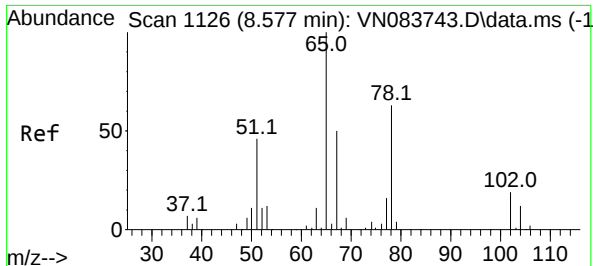
Tgt Ion: 43 Resp: 74
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.4#



#31
Cyclohexane
Concen: 1.209 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084123.D
Acq: 24 Sep 2024 10:33

Tgt Ion: 56 Resp: 4334
Ion Ratio Lower Upper
56 100
69 139.5 26.9 40.3#
84 110.3 69.2 103.8#





#33

1,2-Dichloroethane-d4

Concen: 51.999 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084123.D

Acq: 24 Sep 2024 10:33

Instrument :

MSVOA_N

ClientSampleId :

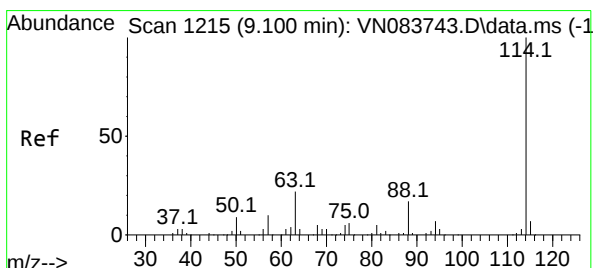
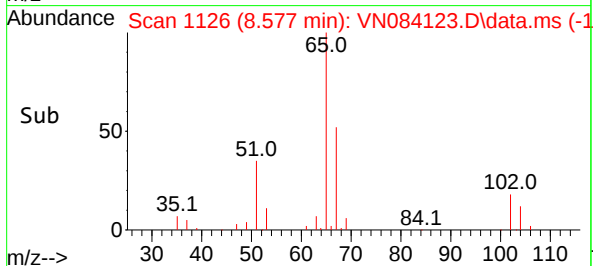
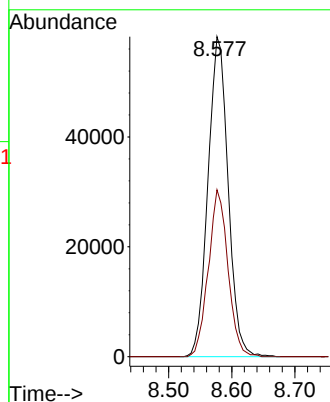
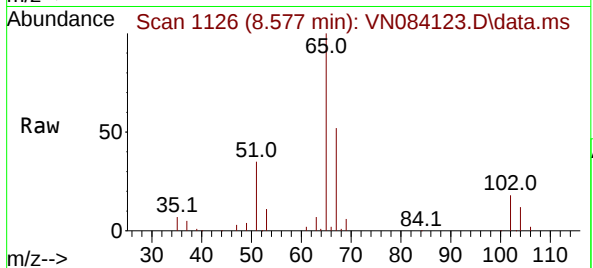
VN0924MBL01

Tgt Ion: 65 Resp: 128985

Ion Ratio Lower Upper

65 100

67 50.8 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: VN084123.D

Acq: 24 Sep 2024 10:33

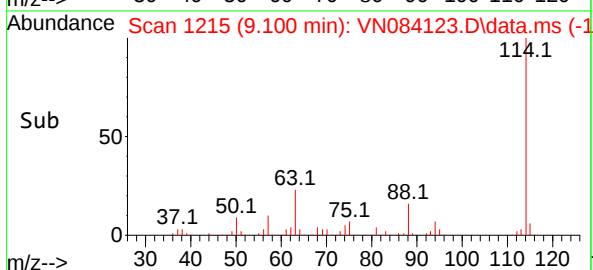
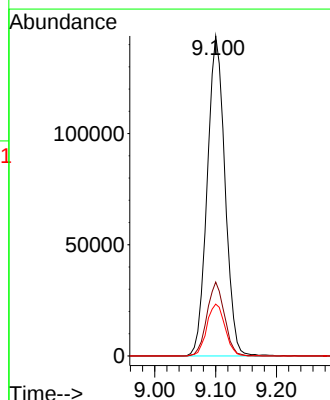
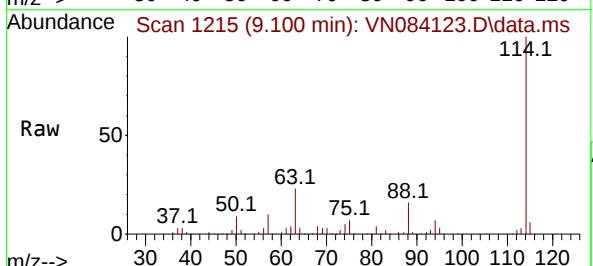
Tgt Ion: 114 Resp: 291200

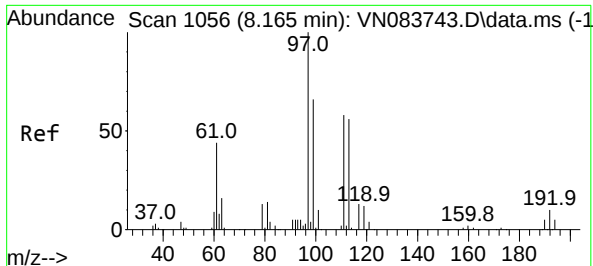
Ion Ratio Lower Upper

114 100

63 23.1 0.0 43.4

88 16.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.147 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN084123.D

Acq: 24 Sep 2024 10:33

Instrument :

MSVOA_N

ClientSampleId :

VN0924MBL01

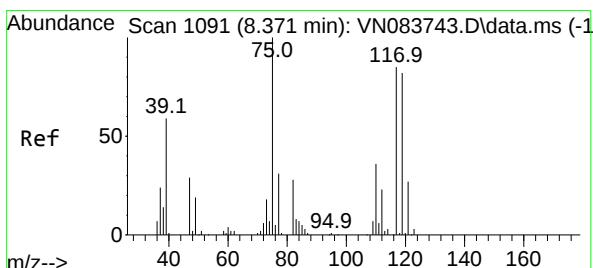
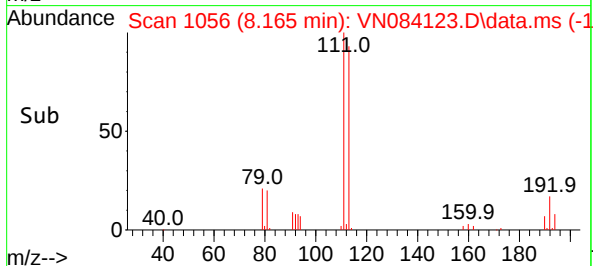
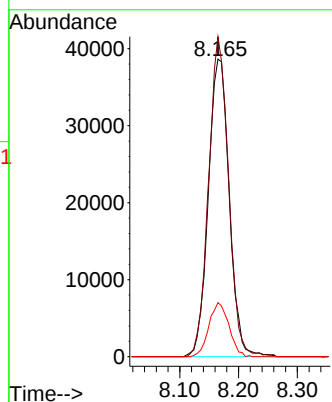
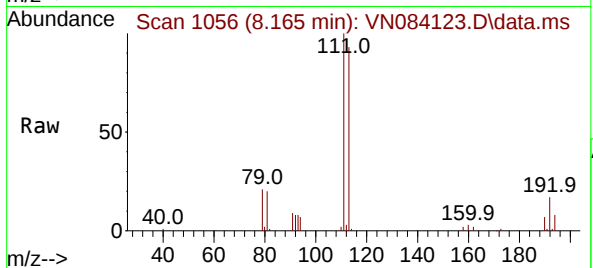
Tgt Ion:113 Resp: 95349

Ion Ratio Lower Upper

113 100

111 102.9 82.6 124.0

192 17.4 14.3 21.5



#36

1,1-Dichloropropene

Concen: 5.413 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084123.D

Acq: 24 Sep 2024 10:33

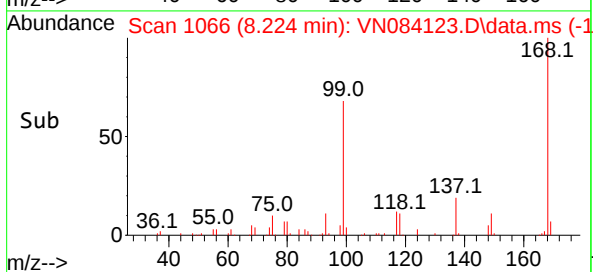
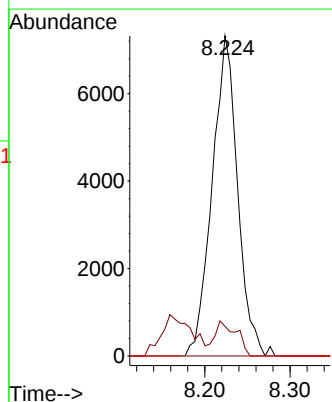
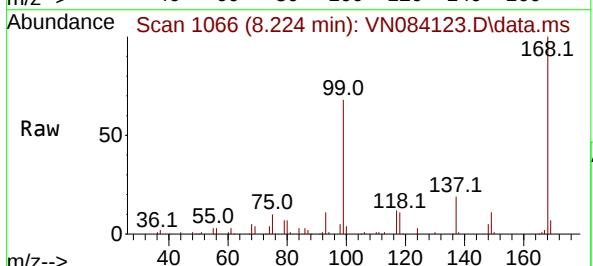
Tgt Ion: 75 Resp: 15188

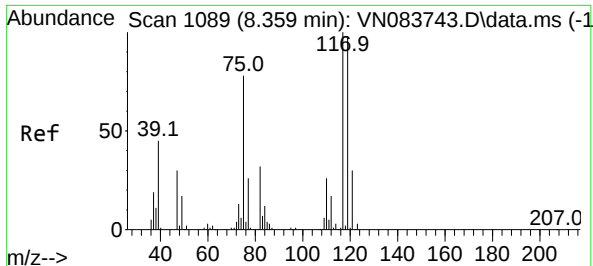
Ion Ratio Lower Upper

75 100

110 9.4 16.7 50.1#

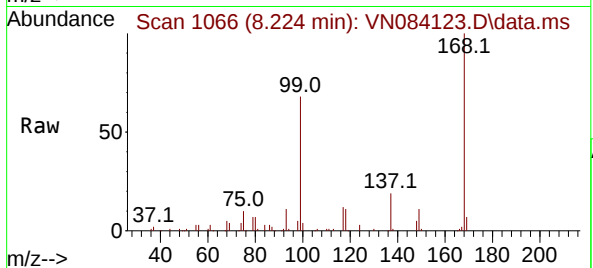
77 0.0 25.2 37.8#



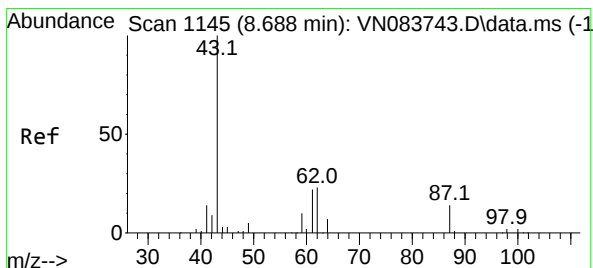
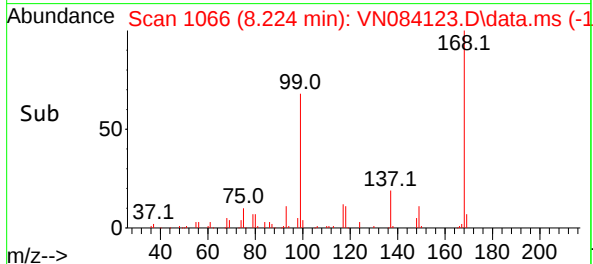
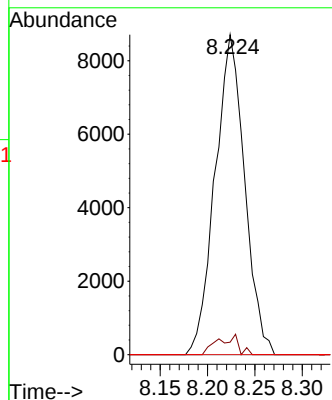


#38
Carbon Tetrachloride
Concen: 5.944 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN084123.D
Acq: 24 Sep 2024 10:33

Instrument :
MSVOA_N
ClientSampleId :
VN0924MBL01

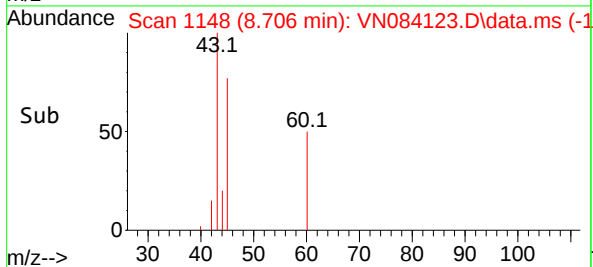
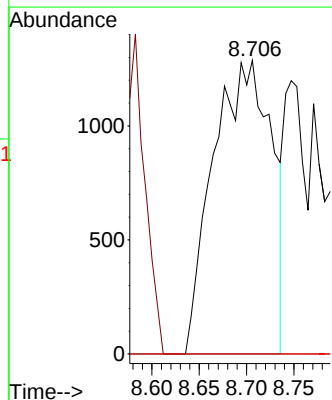
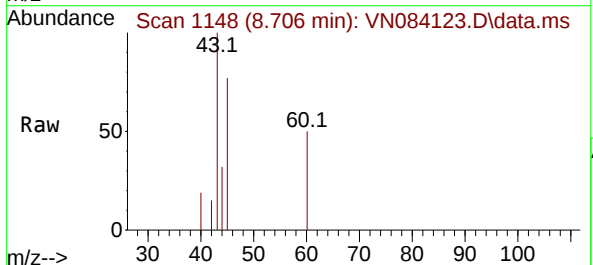


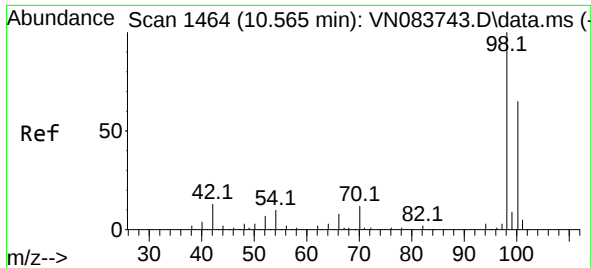
Tgt Ion:117 Resp: 18923
Ion Ratio Lower Upper
117 100
119 3.9 76.1 114.1#
121 0.0 24.1 36.1#



#43
Isopropyl Acetate
Concen: 1.196 ug/l
RT: 8.706 min Scan# 1148
Delta R.T. 0.018 min
Lab File: VN084123.D
Acq: 24 Sep 2024 10:33

Tgt Ion: 43 Resp: 5518
Ion Ratio Lower Upper
43 100
61 0.0 19.4 29.0#
87 0.0 9.8 14.6#

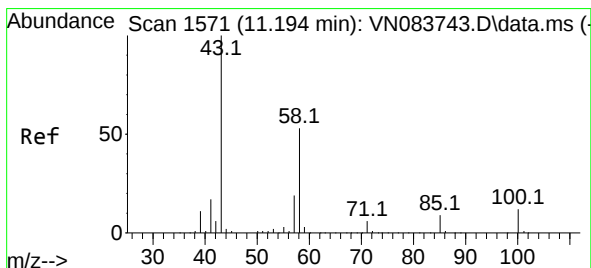
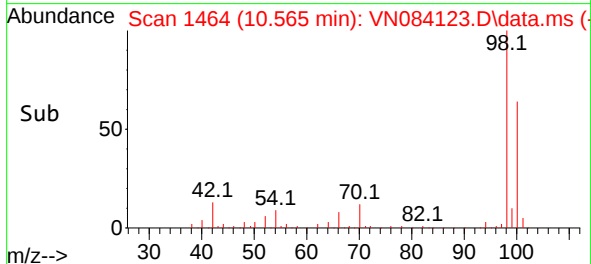
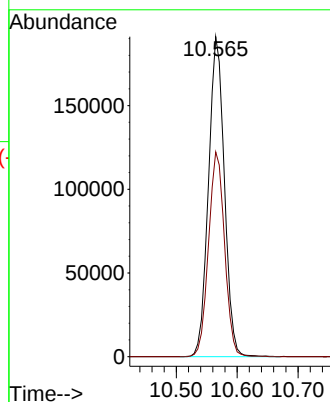
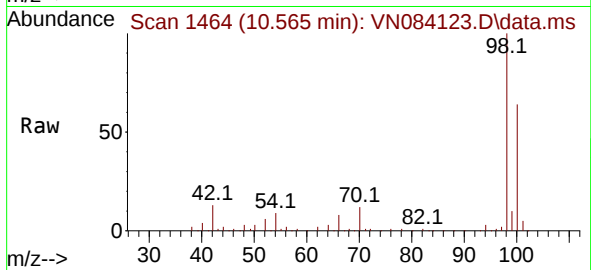




#50
Toluene-d8
Concen: 53.817 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084123.D
Acq: 24 Sep 2024 10:33

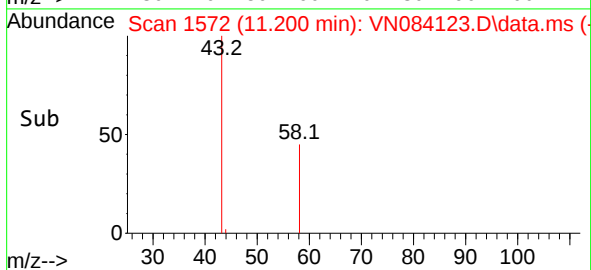
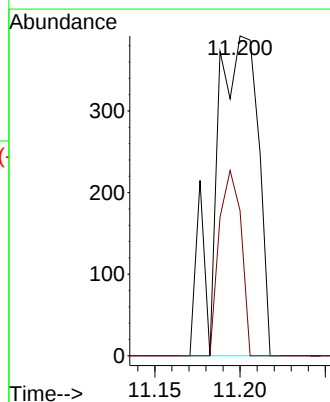
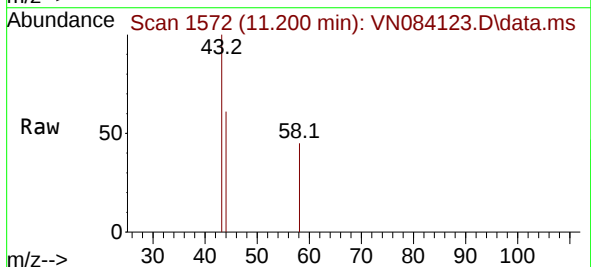
Instrument :
MSVOA_N
ClientSampleId :
VN0924MBL01

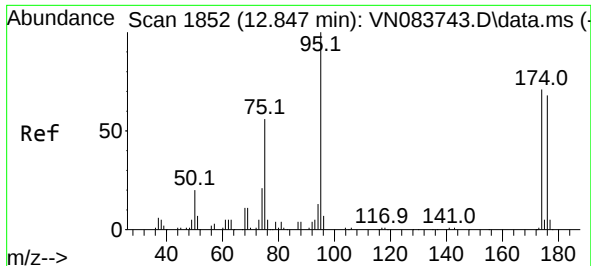
Tgt Ion: 98 Resp: 346838
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0



#59
2-Hexanone
Concen: 0.366 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN084123.D
Acq: 24 Sep 2024 10:33

Tgt Ion: 43 Resp: 681
Ion Ratio Lower Upper
43 100
58 29.8 27.2 81.5





#62

4-Bromofluorobenzene

Concen: 45.114 ug/l

RT: 12.847 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN084123.D

Acq: 24 Sep 2024 10:33

Instrument :

MSVOA_N

ClientSampleId :

VN0924MBL01

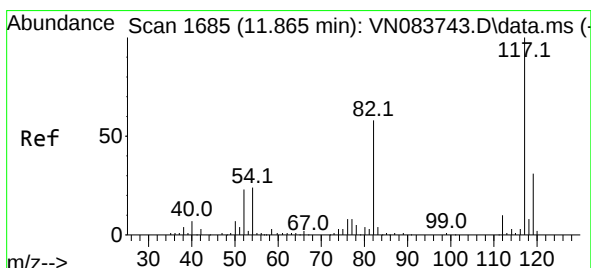
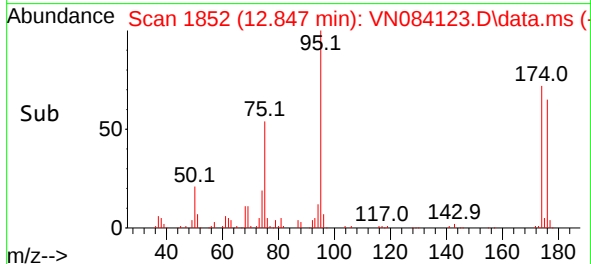
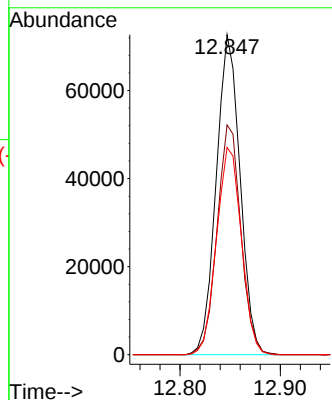
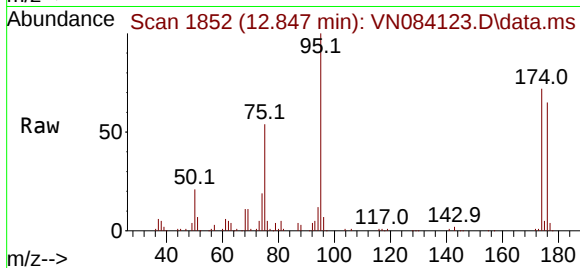
Tgt Ion: 95 Resp: 119955

Ion Ratio Lower Upper

95 100

174 71.9 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: VN084123.D

Acq: 24 Sep 2024 10:33

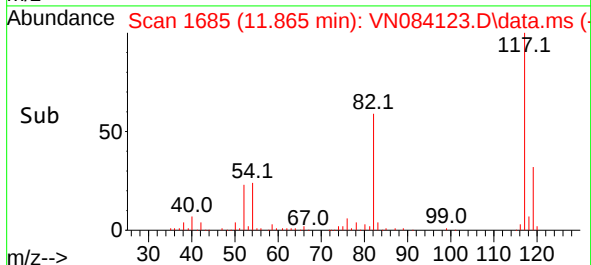
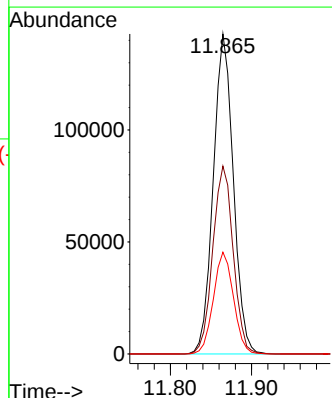
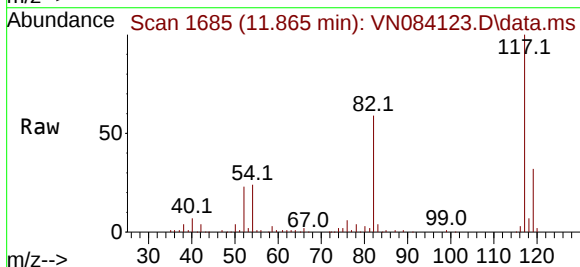
Tgt Ion: 117 Resp: 245384

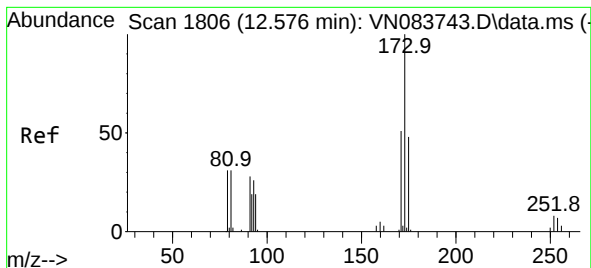
Ion Ratio Lower Upper

117 100

82 58.7 47.4 71.0

119 31.8 26.3 39.5





#71

Bromoform

Concen: 0.596 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.271 min

Lab File: VN084123.D

Acq: 24 Sep 2024 10:33

Instrument :

MSVOA_N

ClientSampleId :

VN0924MBL01

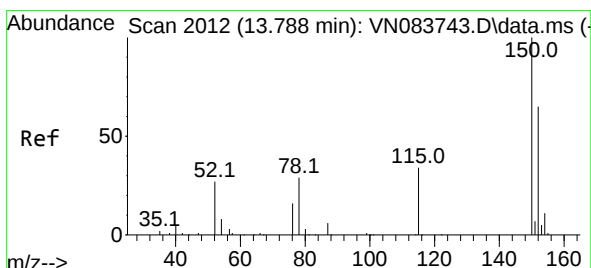
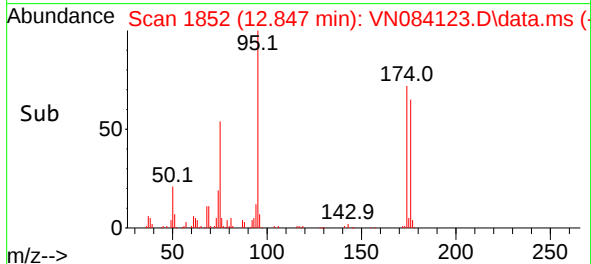
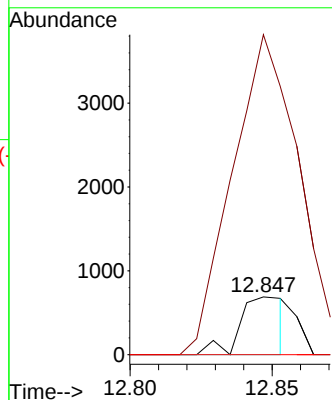
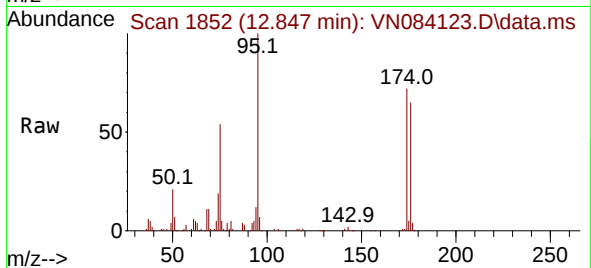
Tgt Ion:173 Resp: 759

Ion Ratio Lower Upper

173 100

175 620.8 24.1 72.2#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN084123.D

Acq: 24 Sep 2024 10:33

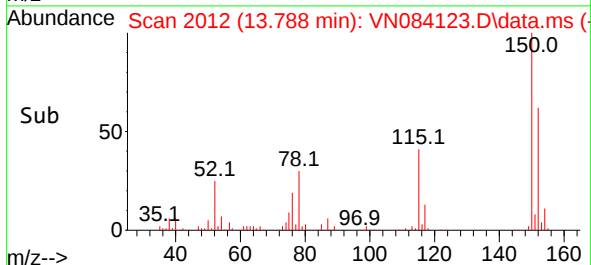
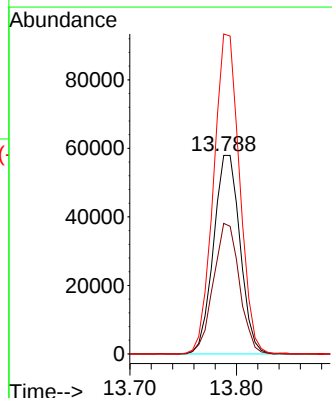
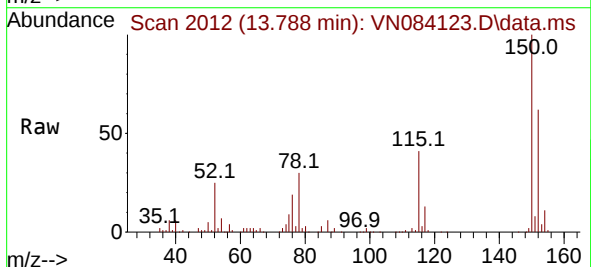
Tgt Ion:152 Resp: 100116

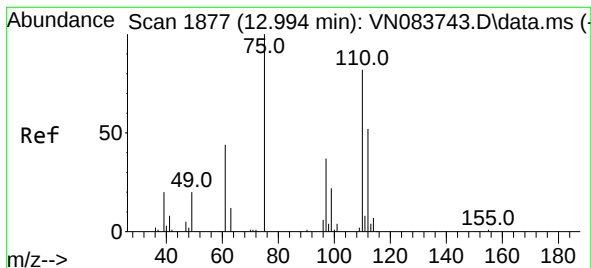
Ion Ratio Lower Upper

152 100

115 64.8 32.2 96.6

150 158.0 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 33.068 ug/l

RT: 12.847 min Scan# 11

Delta R.T. -0.147 min

Lab File: VN084123.D

Acq: 24 Sep 2024 10:33

Instrument :

MSVOA_N

ClientSampleId :

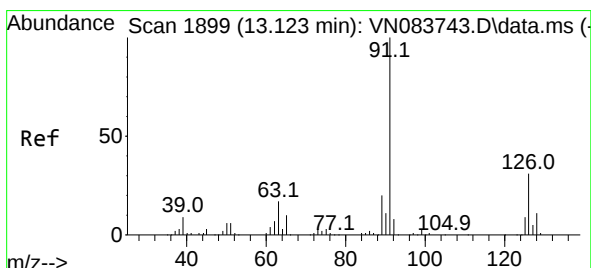
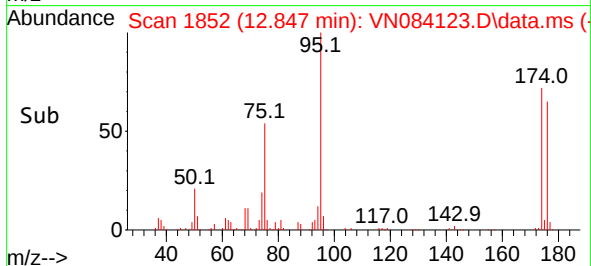
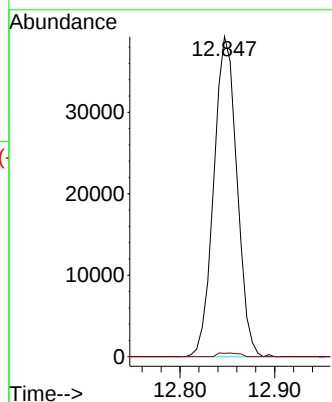
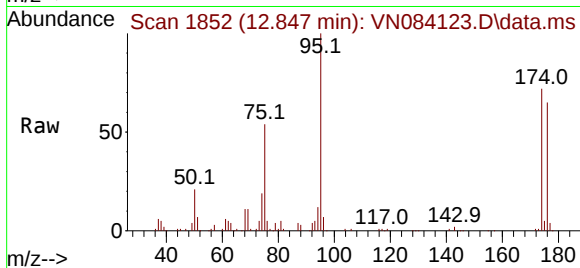
VN0924MBL01

Tgt Ion: 75 Resp: 66801

Ion Ratio Lower Upper

75 100

77 1.1 95.2 285.6#



#79

2-Chlorotoluene

Concen: 0.217 ug/l

RT: 13.223 min Scan# 1916

Delta R.T. 0.100 min

Lab File: VN084123.D

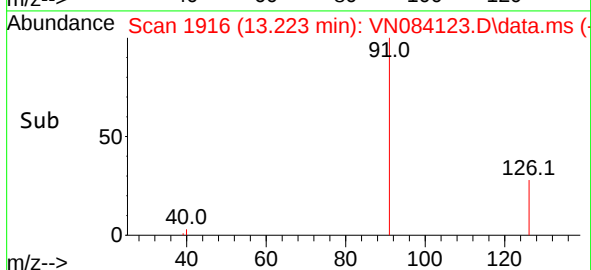
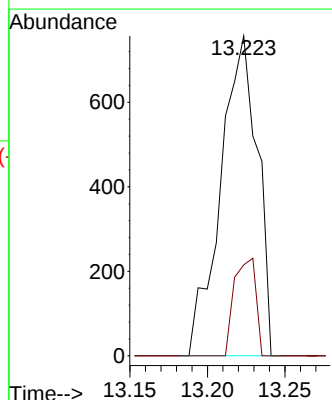
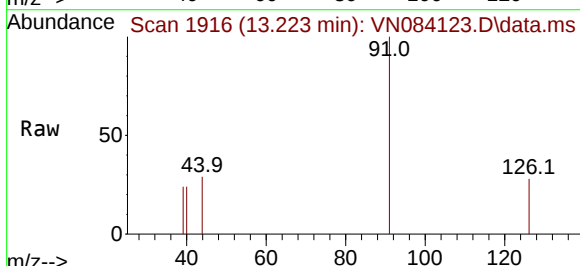
Acq: 24 Sep 2024 10:33

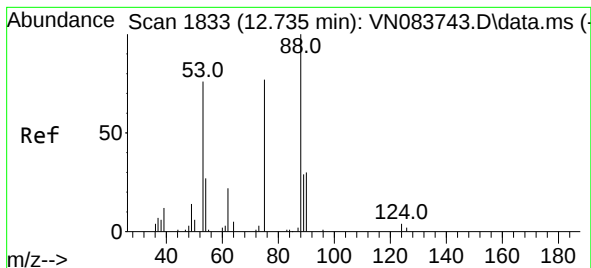
Tgt Ion: 91 Resp: 1250

Ion Ratio Lower Upper

91 100

126 17.8 15.4 46.2

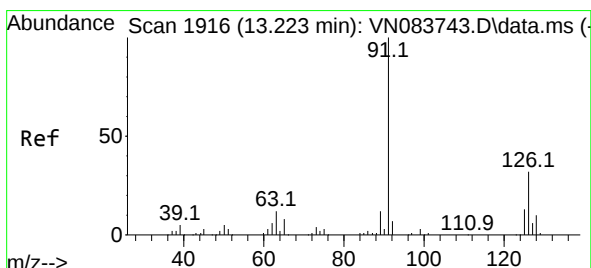
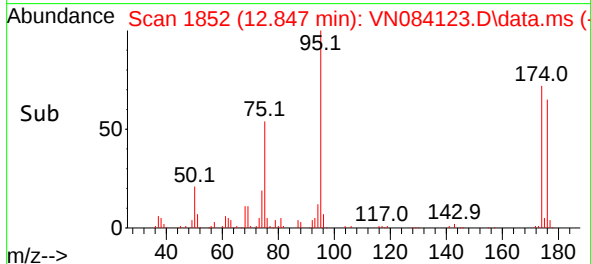
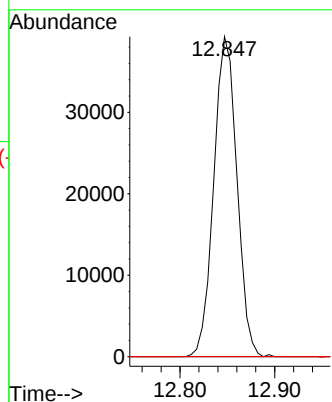
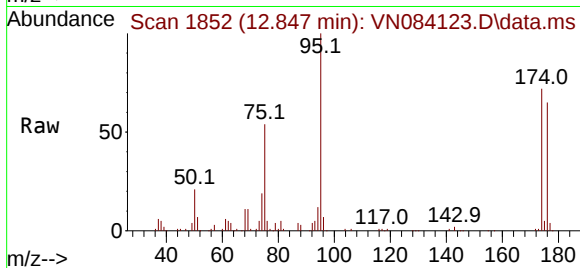




#81
trans-1,4-Dichloro-2-butene
Concen: 86.606 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084123.D
Acq: 24 Sep 2024 10:33

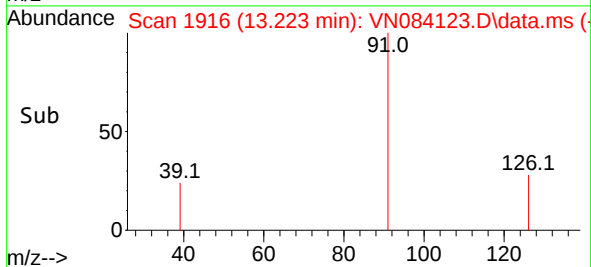
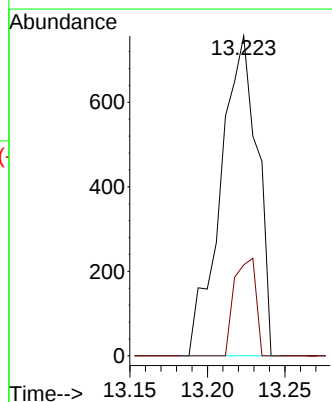
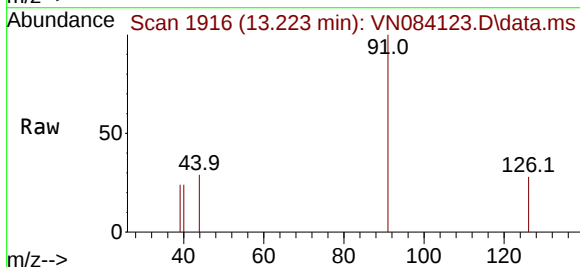
Instrument :
MSVOA_N
ClientSampleId :
VN0924MBL01

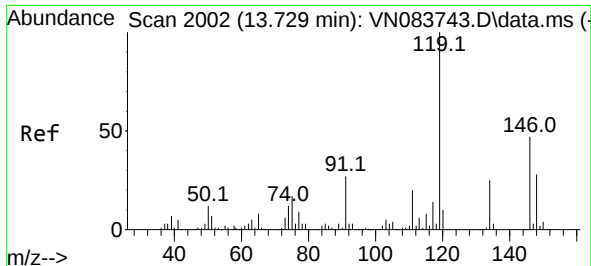
Tgt Ion: 75 Resp: 66801
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#



#82
4-Chlorotoluene
Concen: 0.217 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.000 min
Lab File: VN084123.D
Acq: 24 Sep 2024 10:33

Tgt Ion: 91 Resp: 1250
Ion Ratio Lower Upper
91 100
126 17.8 15.4 46.2





#87

1,3-Dichlorobenzene

Concen: 0.325 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.006 min

Lab File: VN084123.D

Acq: 24 Sep 2024 10:33

Instrument :

MSVOA_N

ClientSampleId :

VN0924MBL01

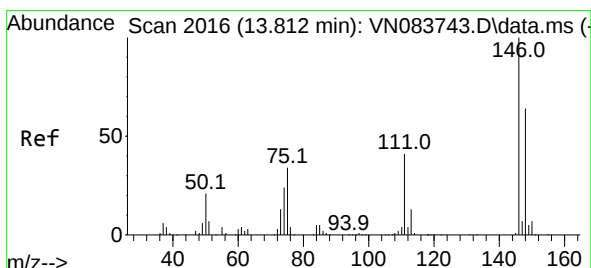
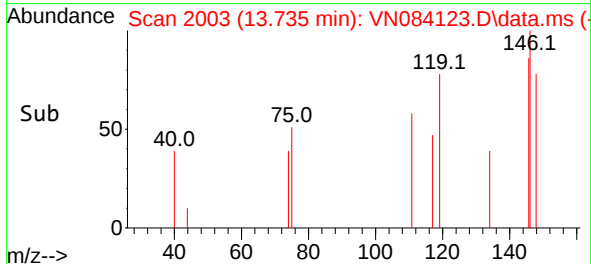
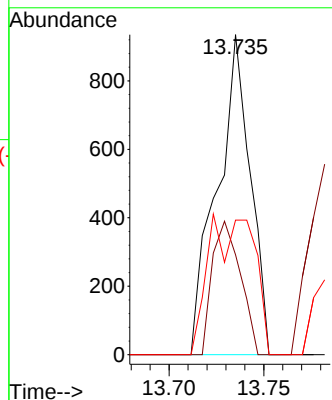
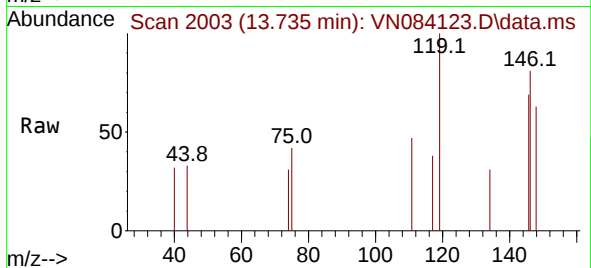
Tgt Ion:146 Resp: 1142

Ion Ratio Lower Upper

146 100

111 35.3 21.7 65.1

148 59.5 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 0.321 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. -0.077 min

Lab File: VN084123.D

Acq: 24 Sep 2024 10:33

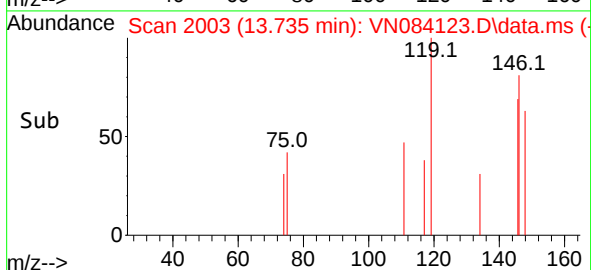
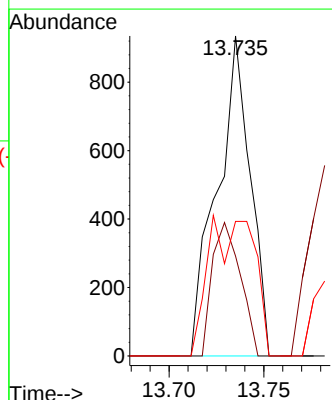
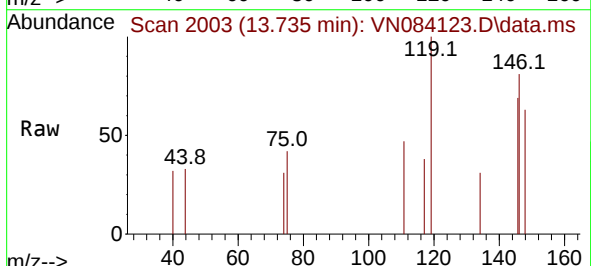
Tgt Ion:146 Resp: 1142

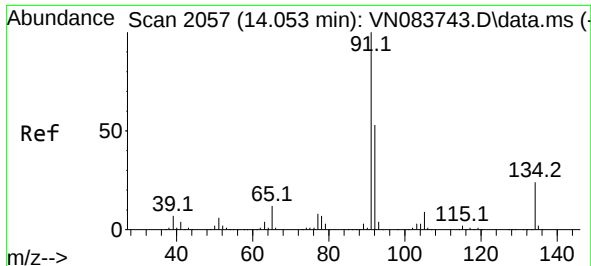
Ion Ratio Lower Upper

146 100

111 35.3 21.3 64.0

148 59.5 32.0 96.2





#89

n-Butylbenzene

Concen: 0.406 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. 0.006 min

Lab File: VN084123.D

Acq: 24 Sep 2024 10:33

Instrument :

MSVOA_N

ClientSampleId :

VN0924MBL01

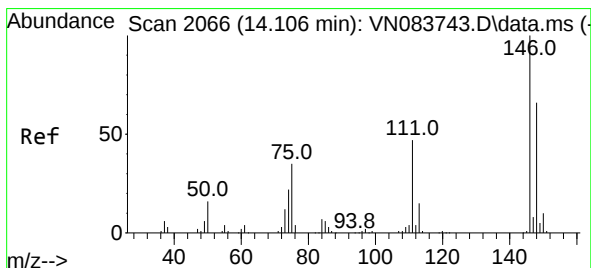
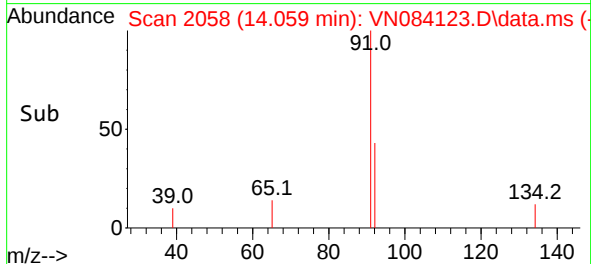
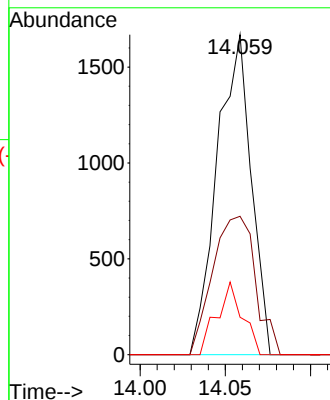
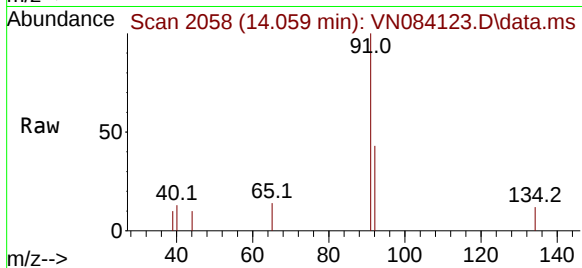
Tgt Ion: 91 Resp: 2315

Ion Ratio Lower Upper

91 100

92 54.5 26.7 80.1

134 17.1 12.2 36.4



#91

1,2-Dichlorobenzene

Concen: 0.351 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VN084123.D

Acq: 24 Sep 2024 10:33

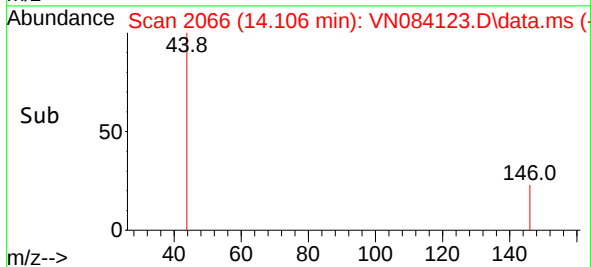
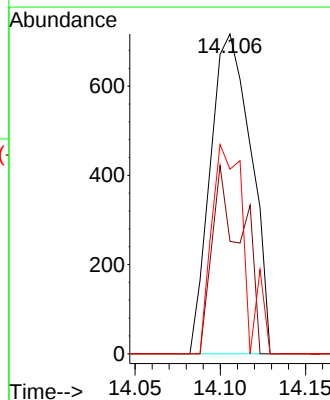
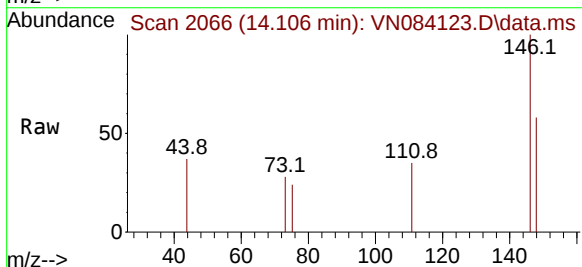
Tgt Ion:146 Resp: 1192

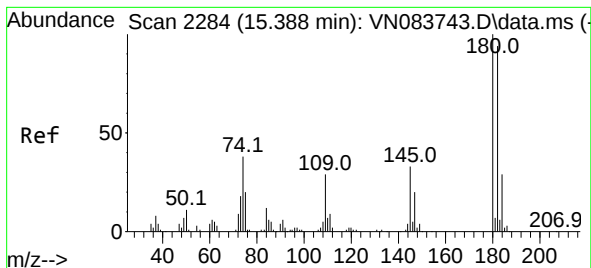
Ion Ratio Lower Upper

146 100

111 43.2 22.8 68.3

148 52.1 32.1 96.5





#93

1,2,4-Trichlorobenzene

Concen: 1.017 ug/l

RT: 15.382 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN084123.D

Acq: 24 Sep 2024 10:33

Instrument :

MSVOA_N

ClientSampleId :

VN0924MBL01

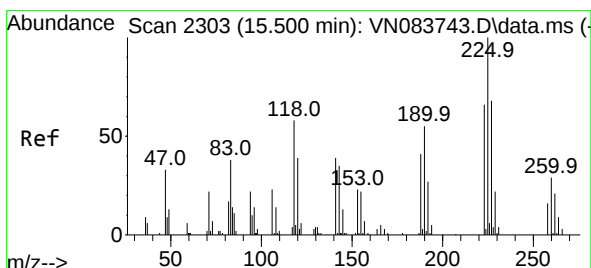
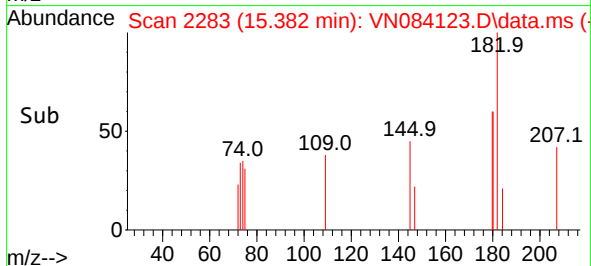
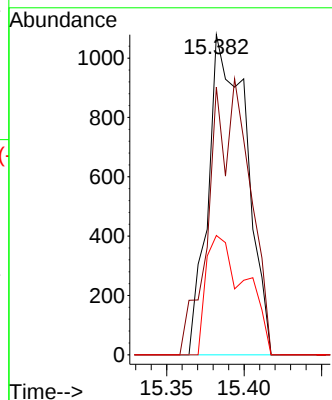
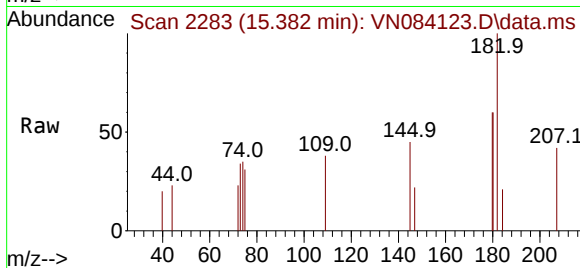
Tgt Ion:180 Resp: 1853

Ion Ratio Lower Upper

180 100

182 89.9 48.1 144.3

145 38.0 16.9 50.7



#94

Hexachlorobutadiene

Concen: 1.305 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. -0.000 min

Lab File: VN084123.D

Acq: 24 Sep 2024 10:33

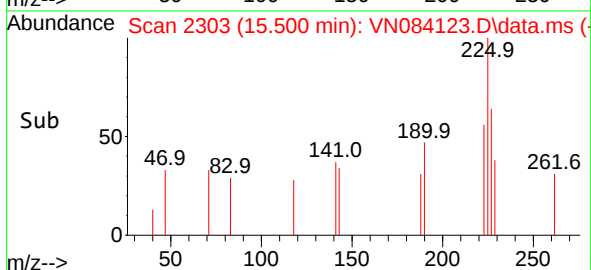
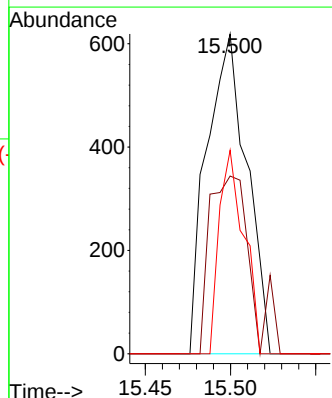
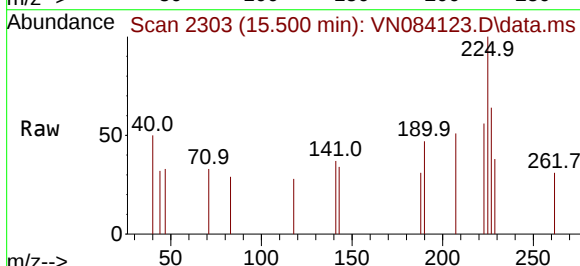
Tgt Ion:225 Resp: 1010

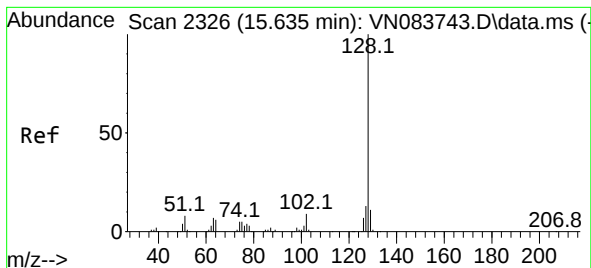
Ion Ratio Lower Upper

225 100

223 56.6 31.9 95.5

227 39.5 32.0 96.2





#95

Naphthalene

Concen: 1.194 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.012 min

Lab File: VN084123.D

Acq: 24 Sep 2024 10:33

Instrument :

MSVOA_N

ClientSampleId :

VN0924MBL01

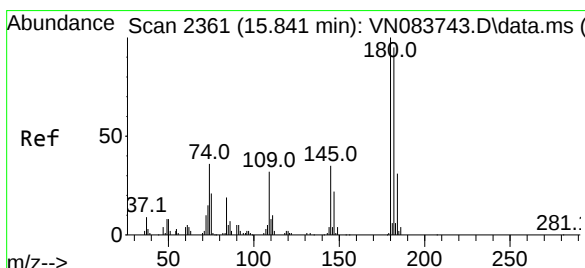
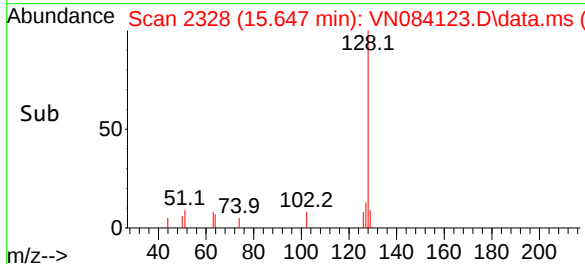
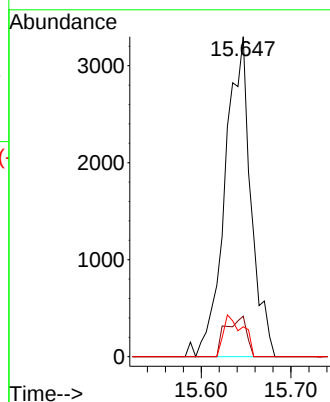
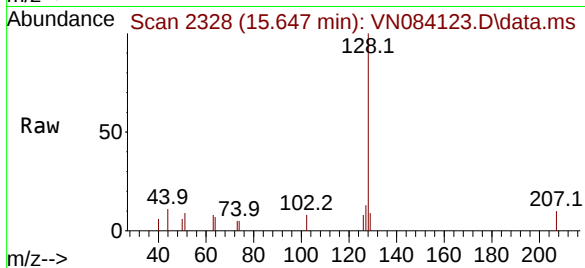
Tgt Ion:128 Resp: 6617

Ion Ratio Lower Upper

128 100

127 10.1 10.2 15.2#

129 9.9 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 1.394 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. -0.000 min

Lab File: VN084123.D

Acq: 24 Sep 2024 10:33

Tgt Ion:180 Resp: 2427

Ion Ratio Lower Upper

180 100

182 86.1 47.1 141.4

145 25.8 17.8 53.5

