

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092524\
 Data File : VN084150.D
 Acq On : 25 Sep 2024 10:47
 Operator : JC\MD
 Sample : VN0925MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925MBL01

Quant Time: Sep 26 01:31:12 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)

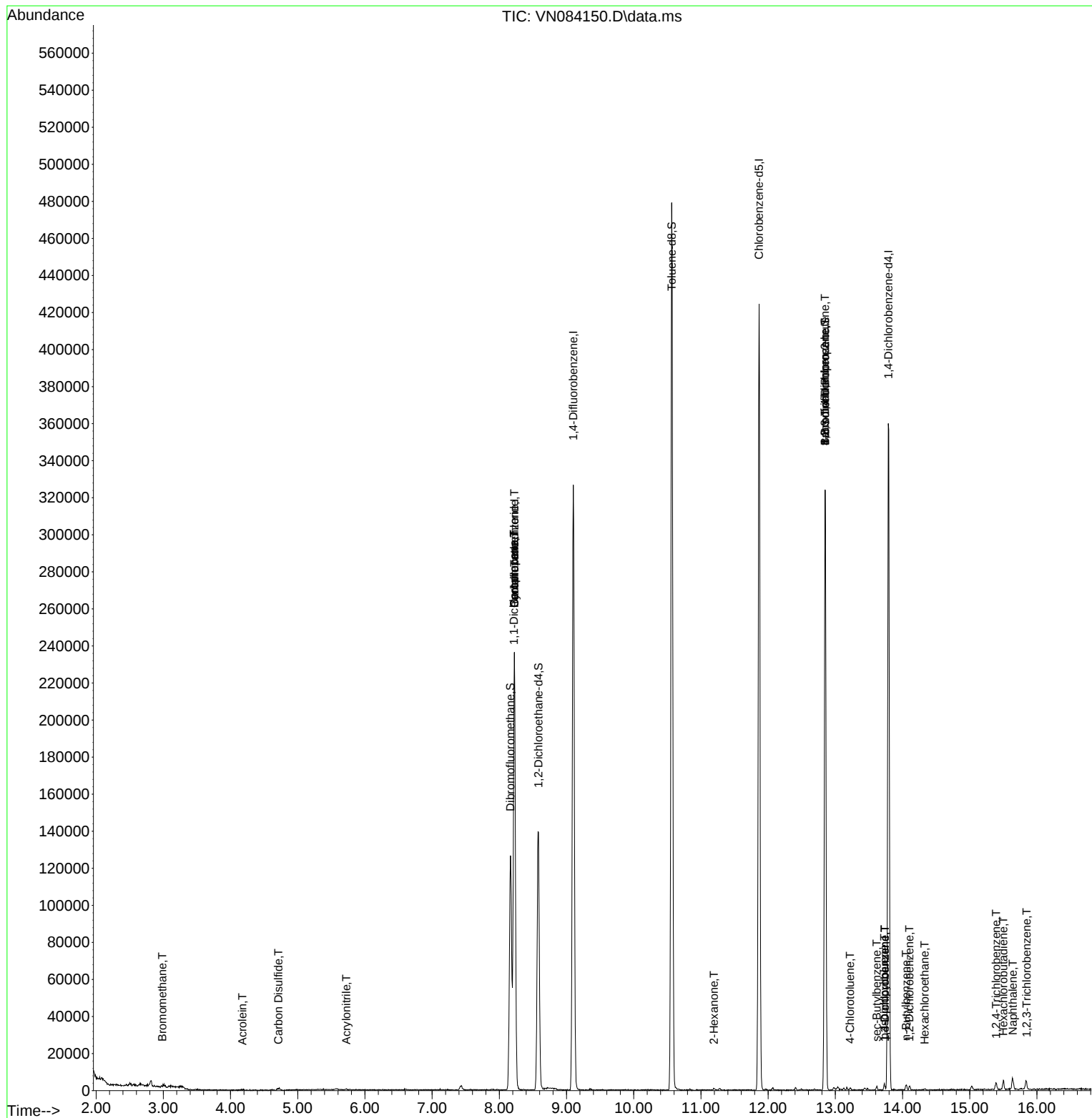
Internal Standards						
1) Pentafluorobenzene	8.224	168	158728	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	274097	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	231707	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	93531	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	120707	50.433	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.860%			
35) Dibromofluoromethane	8.165	113	90725	51.703	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.400%			
50) Toluene-d8	10.565	98	329902	54.384	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.760%			
62) 4-Bromofluorobenzene	12.847	95	113423	45.319	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 90.640%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	359	Below Cal	#	41
5) Bromomethane	2.983	94	529	0.456	ug/l #	78
13) Acrolein	4.177	56	283	0.895	ug/l #	59
15) Acrylonitrile	5.724	53	443	0.508	ug/l #	68
17) Carbon Disulfide	4.712	76	1429	0.298	ug/l #	75
31) Cyclohexane	8.224	56	4101	1.186	ug/l #	2
36) 1,1-Dichloropropene	8.218	75	14470	5.479	ug/l #	50
38) Carbon Tetrachloride	8.224	117	18247	6.090	ug/l #	15
59) 2-Hexanone	11.194	43	614	0.351	ug/l	94
71) Bromoform	12.847	173	529	0.440	ug/l #	29
76) 1,2,3-Trichloropropane	12.847	75	62448	33.089	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	62448	86.663	ug/l #	9
82) 4-Chlorotoluene	13.218	91	1171	0.217	ug/l	97
85) sec-Butylbenzene	13.618	105	1630	0.230	ug/l	96
86) p-Isopropyltoluene	13.729	119	1273	0.215	ug/l #	75
87) 1,3-Dichlorobenzene	13.735	146	1079	0.328	ug/l	80
88) 1,4-Dichlorobenzene	13.735	146	1079	0.324	ug/l	80
89) n-Butylbenzene	14.053	91	2048	0.384	ug/l	95
90) Hexachloroethane	14.329	117	348	0.292	ug/l #	38
91) 1,2-Dichlorobenzene	14.100	146	985	0.310	ug/l	78
93) 1,2,4-Trichlorobenzene	15.394	180	1578	0.927	ug/l	95
94) Hexachlorobutadiene	15.500	225	894	1.237	ug/l	75
95) Naphthalene	15.641	128	6737	1.301	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.847	180	2086	1.282	ug/l	96

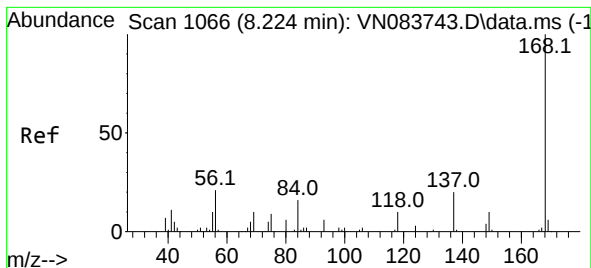
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
VN0925MBL01

Quant Time: Sep 26 01:31:12 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

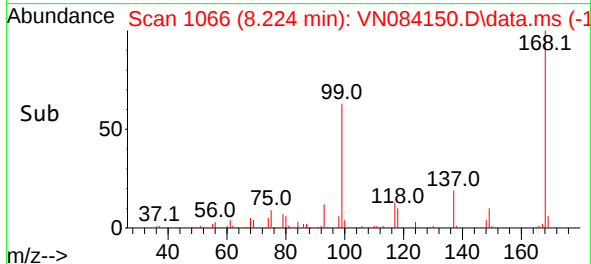
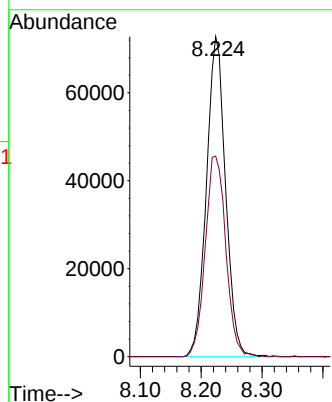
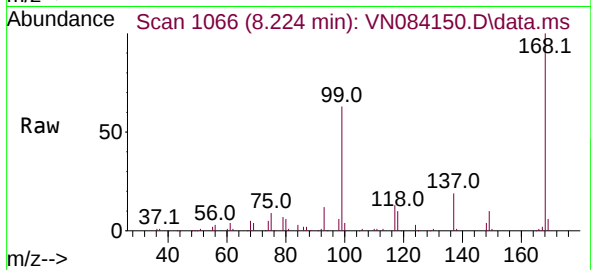




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084150.D
Acq: 25 Sep 2024 10:47

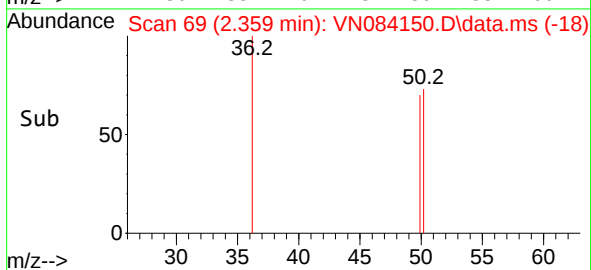
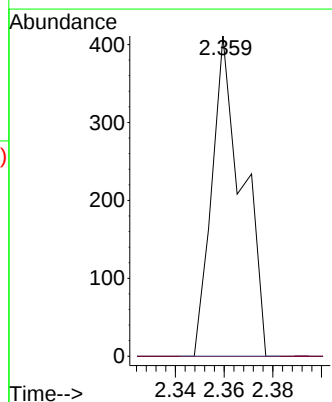
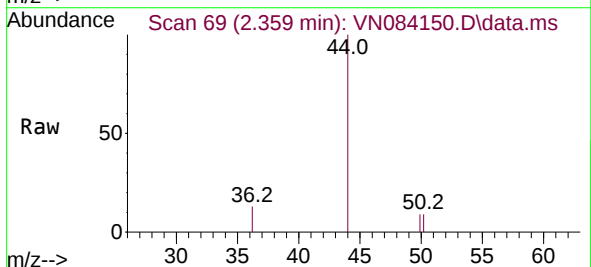
Instrument :
MSVOA_N
ClientSampleId :
VN0925MBL01

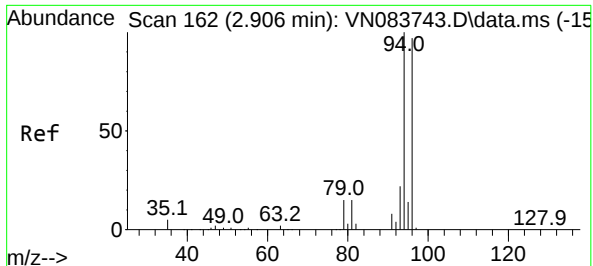
Tgt Ion:168 Resp: 158728
Ion Ratio Lower Upper
168 100
99 62.7 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084150.D
Acq: 25 Sep 2024 10:47

Tgt Ion: 50 Resp: 359
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

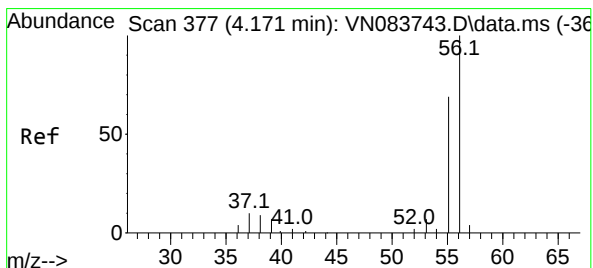
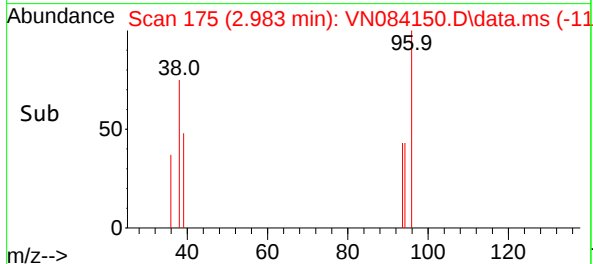
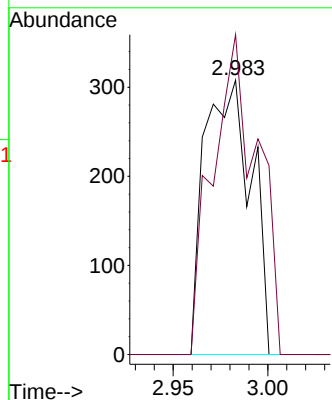
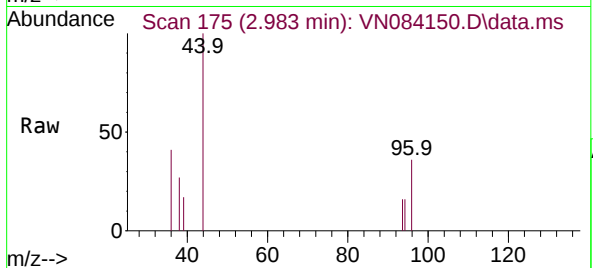




#5
Bromomethane
Concen: 0.456 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.077 min
Lab File: VN084150.D
Acq: 25 Sep 2024 10:47

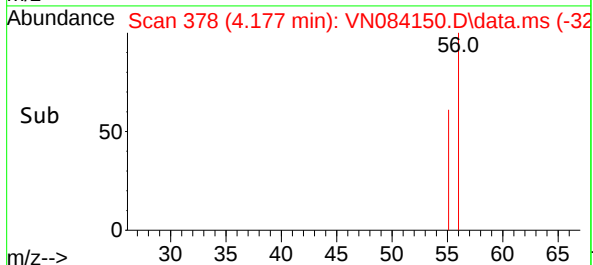
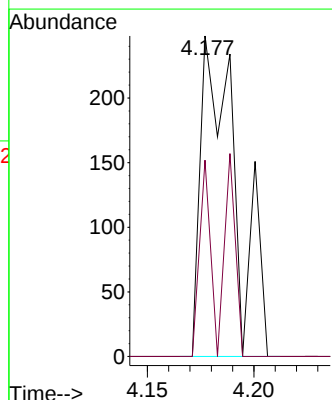
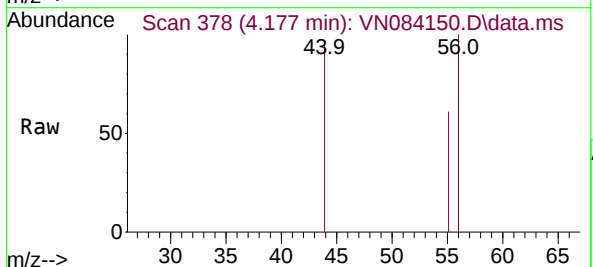
Instrument :
MSVOA_N
ClientSampleId :
VN0925MBL01

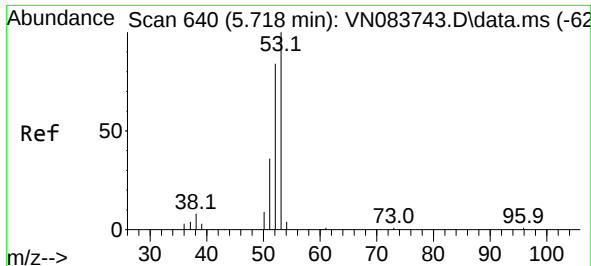
Tgt Ion: 94 Resp: 529
Ion Ratio Lower Upper
94 100
96 116.6 76.0 114.0#



#13
Acrolein
Concen: 0.895 ug/l
RT: 4.177 min Scan# 378
Delta R.T. 0.006 min
Lab File: VN084150.D
Acq: 25 Sep 2024 10:47

Tgt Ion: 56 Resp: 283
Ion Ratio Lower Upper
56 100
55 38.5 58.2 87.2#

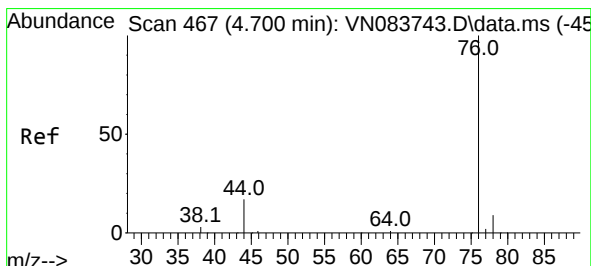
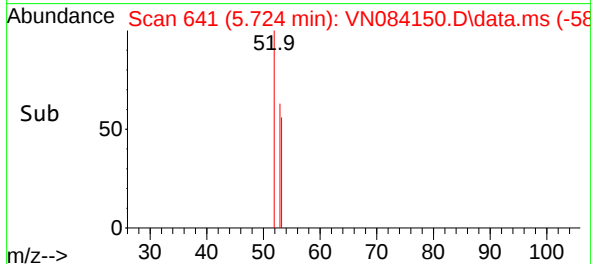
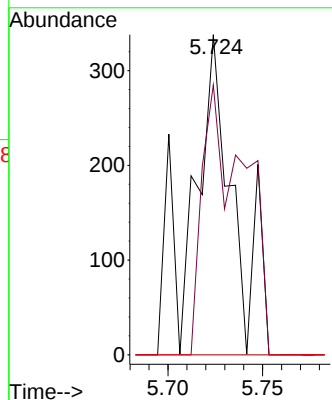
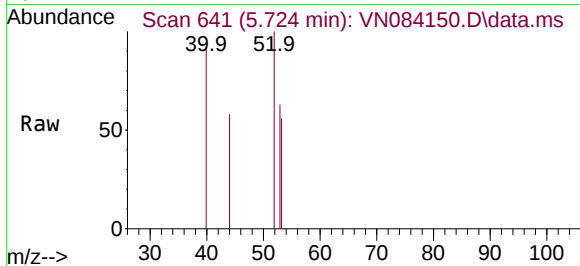




#15
Acrylonitrile
Concen: 0.508 ug/l
RT: 5.724 min Scan# 641
Delta R.T. 0.006 min
Lab File: VN084150.D
Acq: 25 Sep 2024 10:47

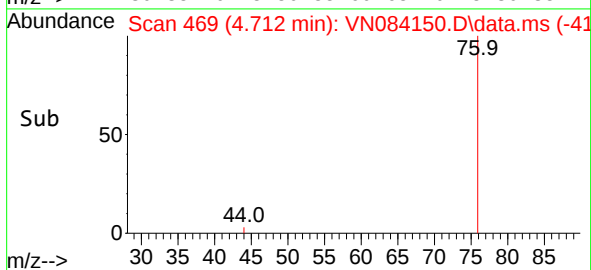
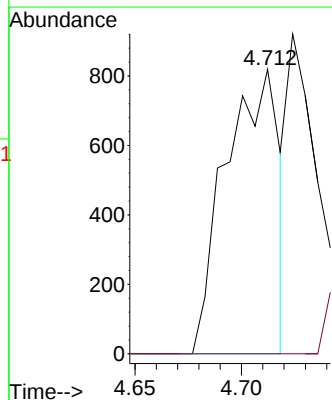
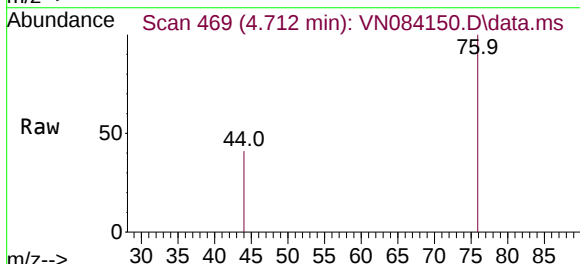
Instrument :
MSVOA_N
ClientSampleId :
VN0925MBL01

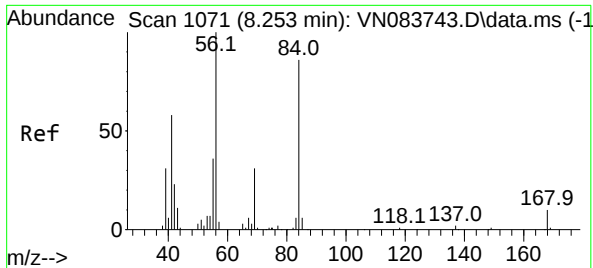
Tgt Ion: 53 Resp: 443
Ion Ratio Lower Upper
53 100
52 99.5 66.1 99.1#
51 0.0 29.6 44.4#



#17
Carbon Disulfide
Concen: 0.298 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.012 min
Lab File: VN084150.D
Acq: 25 Sep 2024 10:47

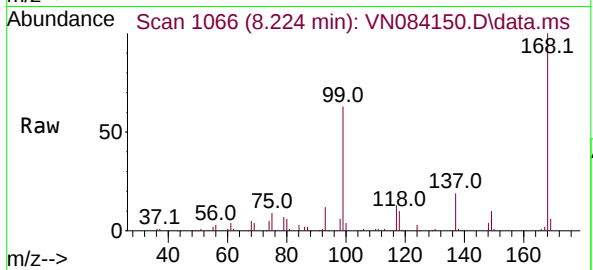
Tgt Ion: 76 Resp: 1429
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



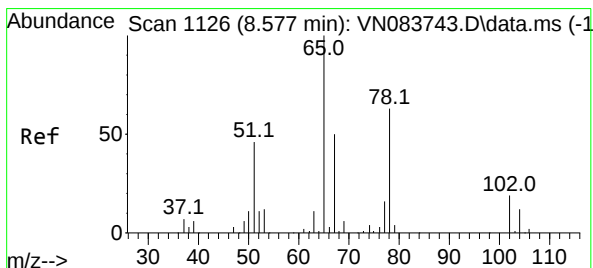
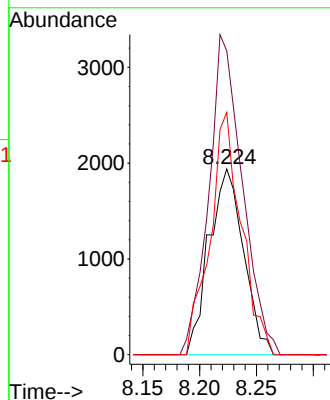
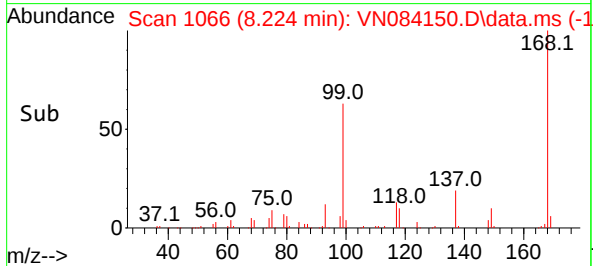


#31
Cyclohexane
Concen: 1.186 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084150.D
Acq: 25 Sep 2024 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN0925MBL01

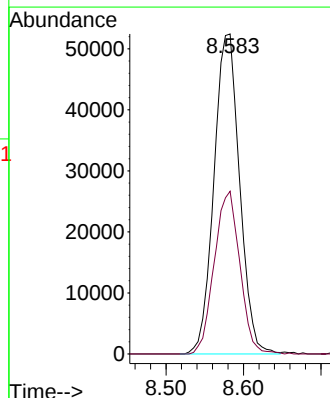
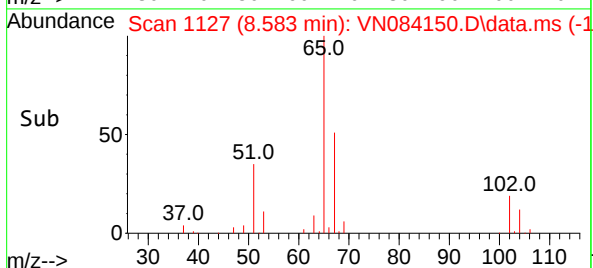
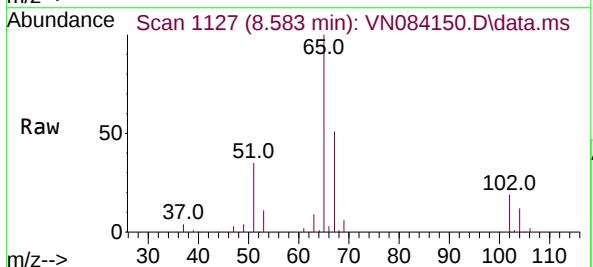


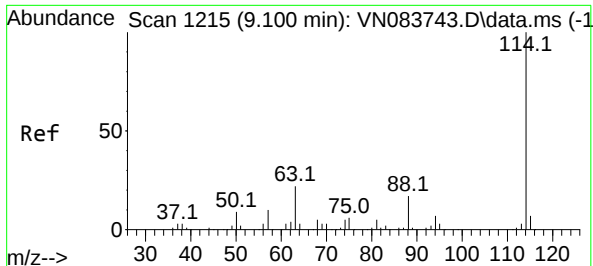
Tgt Ion: 56 Resp: 4101
Ion Ratio Lower Upper
56 100
69 163.5 26.9 40.3#
84 130.5 69.2 103.8#



#33
1,2-Dichloroethane-d4
Concen: 50.433 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN084150.D
Acq: 25 Sep 2024 10:47

Tgt Ion: 65 Resp: 120707
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# 1

Delta R.T. 0.000 min

Lab File: VN084150.D

Acq: 25 Sep 2024 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0925MBL01

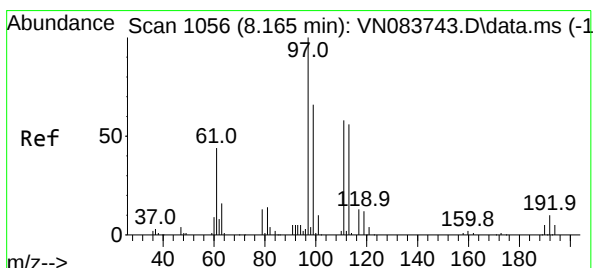
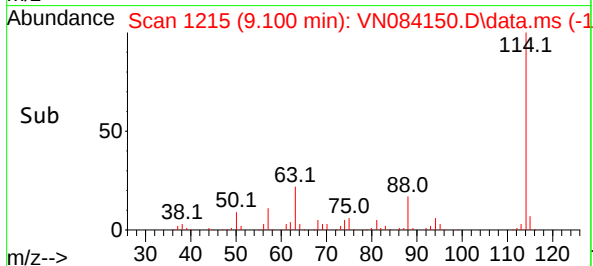
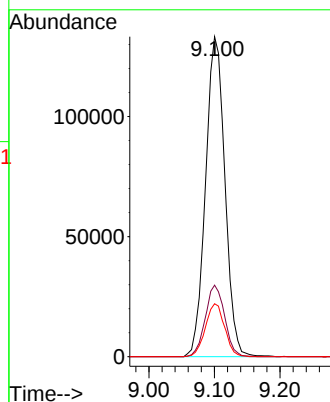
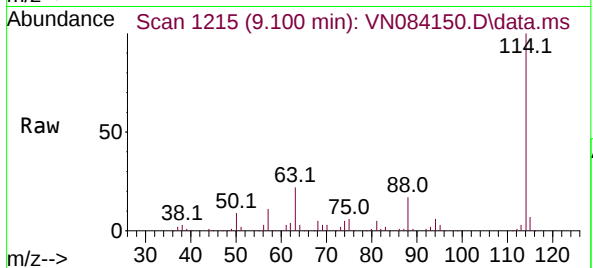
Tgt Ion:114 Resp: 274097

Ion Ratio Lower Upper

114 100

63 22.4 0.0 43.4

88 16.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.703 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084150.D

Acq: 25 Sep 2024 10:47

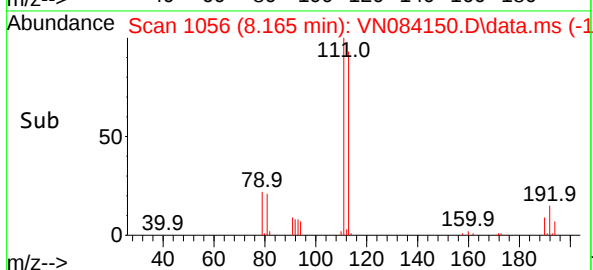
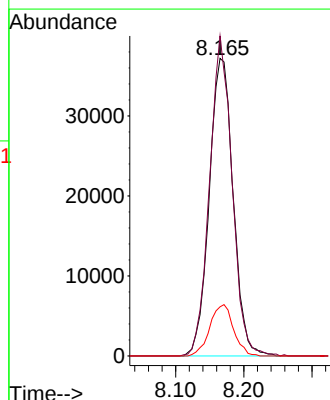
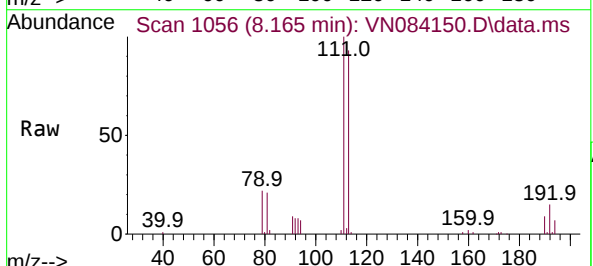
Tgt Ion:113 Resp: 90725

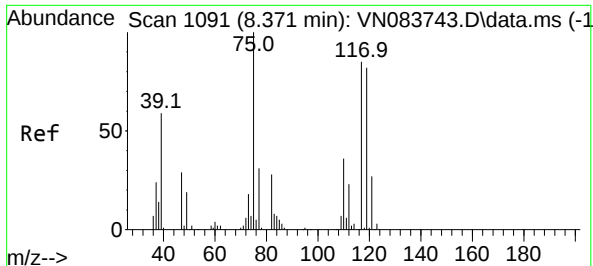
Ion Ratio Lower Upper

113 100

111 101.5 82.6 124.0

192 17.1 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.479 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN084150.D

Acq: 25 Sep 2024 10:47

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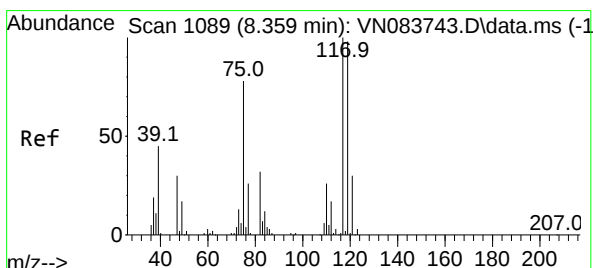
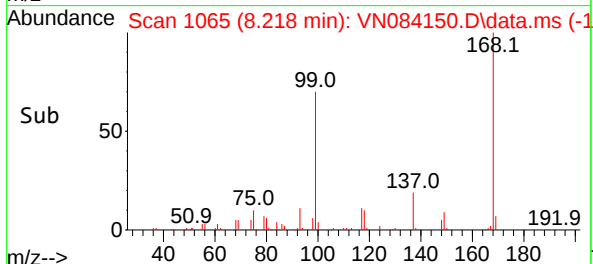
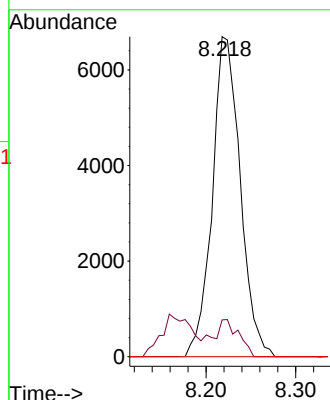
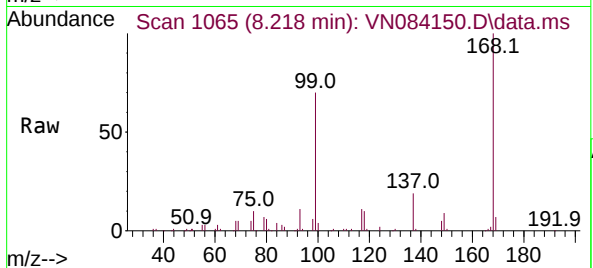
Tgt Ion: 75 Resp: 14470

Ion Ratio Lower Upper

75 100

110 8.5 16.7 50.1#

77 0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 6.090 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN084150.D

Acq: 25 Sep 2024 10:47

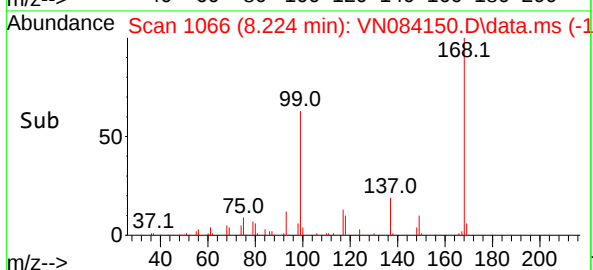
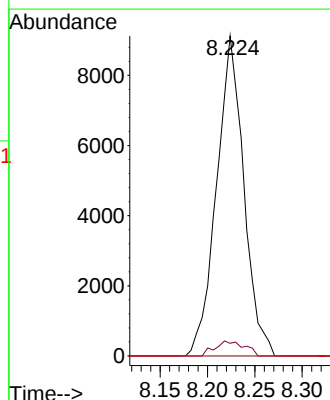
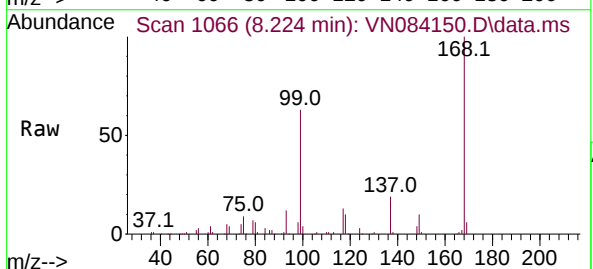
Tgt Ion: 117 Resp: 18247

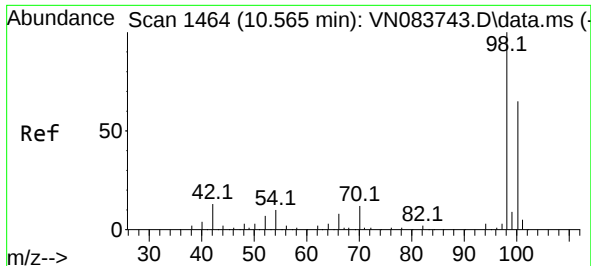
Ion Ratio Lower Upper

117 100

119 4.0 76.1 114.1#

121 0.0 24.1 36.1#

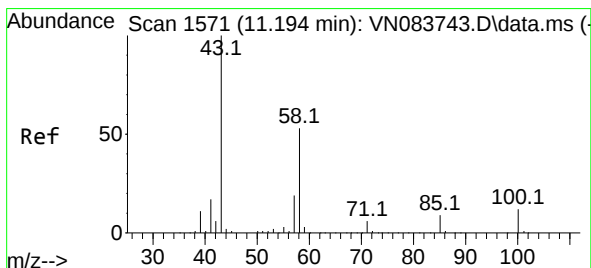
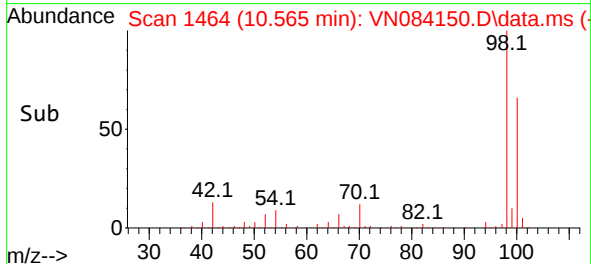
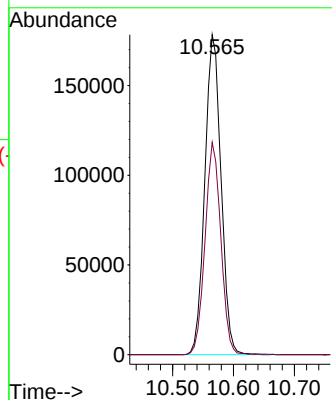
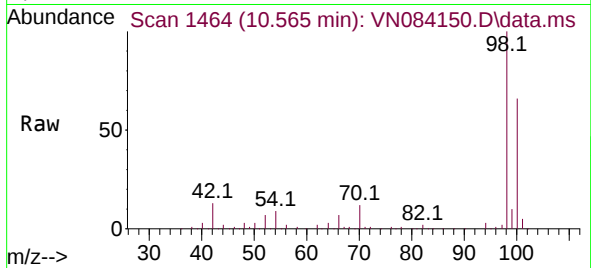




#50
Toluene-d8
Concen: 54.384 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084150.D
Acq: 25 Sep 2024 10:47

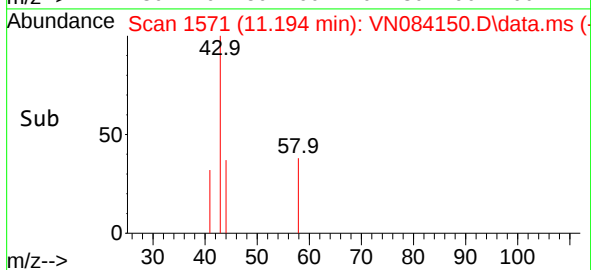
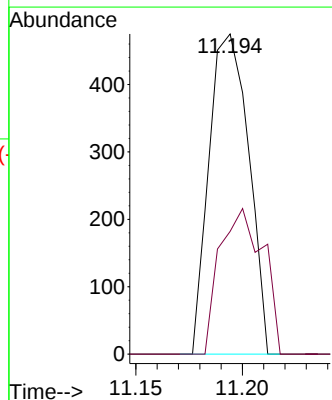
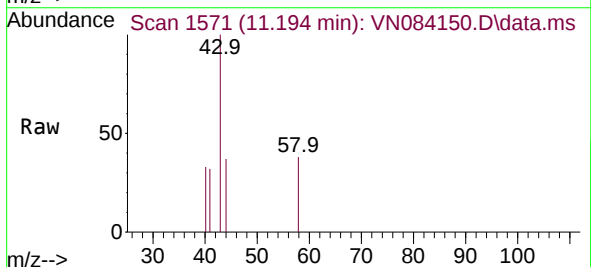
Instrument :
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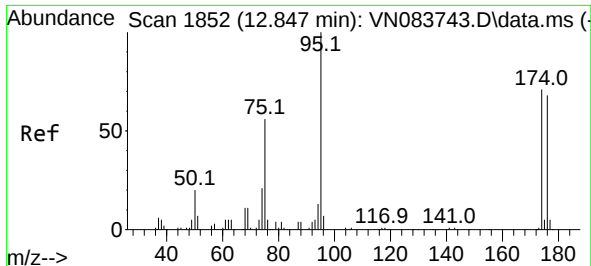
Tgt Ion: 98 Resp: 329902
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#59
2-Hexanone
Concen: 0.351 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN084150.D
Acq: 25 Sep 2024 10:47

Tgt Ion: 43 Resp: 614
Ion Ratio Lower Upper
43 100
58 49.8 27.2 81.5

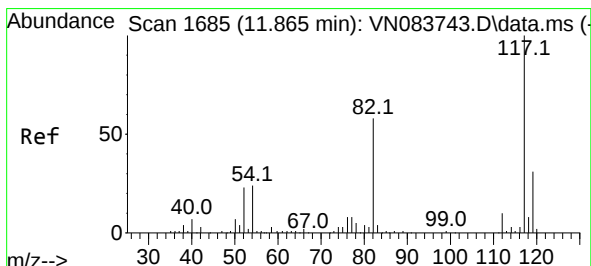
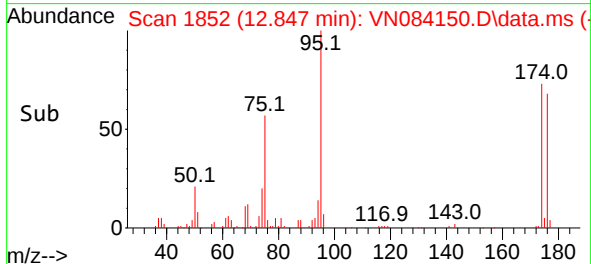
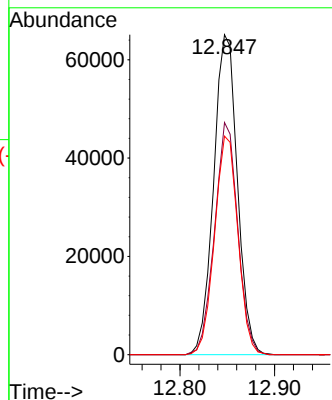
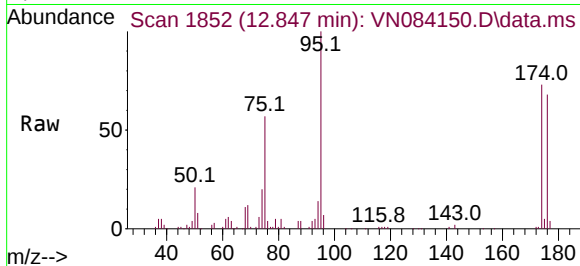




#62
4-Bromofluorobenzene
Concen: 45.319 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084150.D
Acq: 25 Sep 2024 10:47

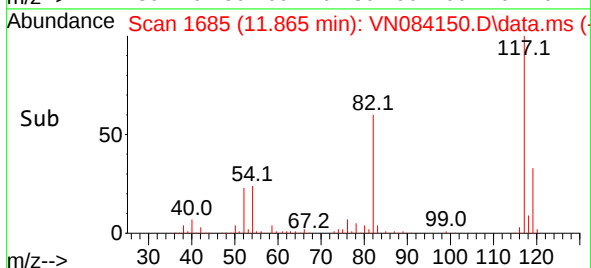
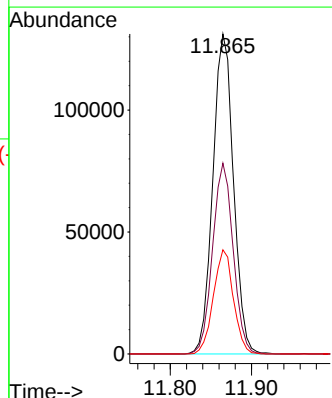
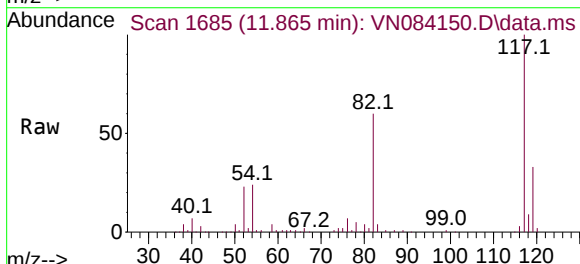
Instrument :
MSVOA_N
ClientSampleId :
VN0925MBL01

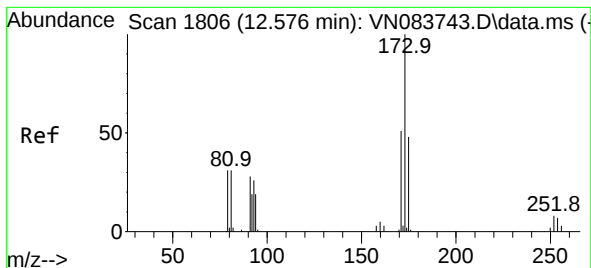
Tgt Ion: 95 Resp: 113423
Ion Ratio Lower Upper
95 100
174 71.0 0.0 139.8
176 67.1 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084150.D
Acq: 25 Sep 2024 10:47

Tgt Ion: 117 Resp: 231707
Ion Ratio Lower Upper
117 100
82 59.6 47.4 71.0
119 32.6 26.3 39.5





#71

Bromoform

Concen: 0.440 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.271 min

Lab File: VN084150.D

Acq: 25 Sep 2024 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0925MBL01

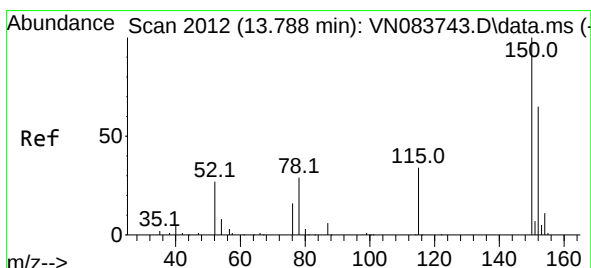
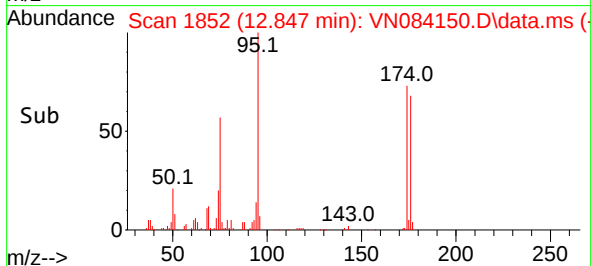
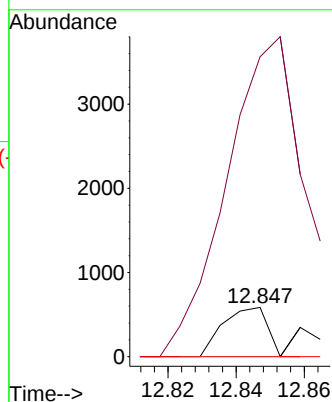
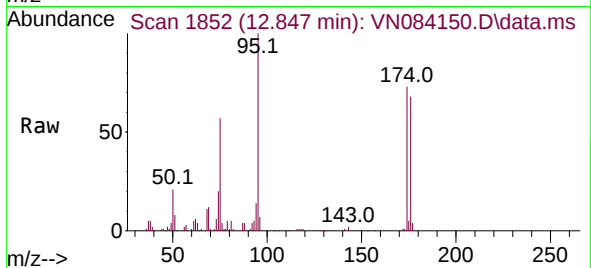
Tgt Ion:173 Resp: 529

Ion Ratio Lower Upper

173 100

175 0.0 24.1 72.2#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.000 min

Lab File: VN084150.D

Acq: 25 Sep 2024 10:47

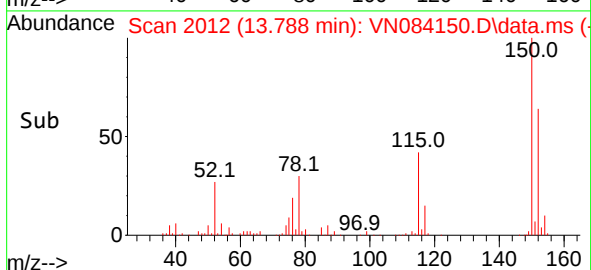
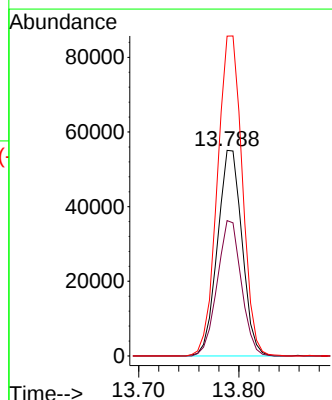
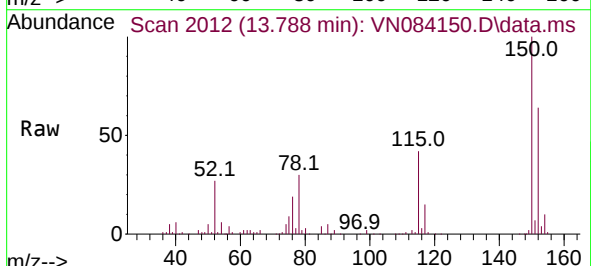
Tgt Ion:152 Resp: 93531

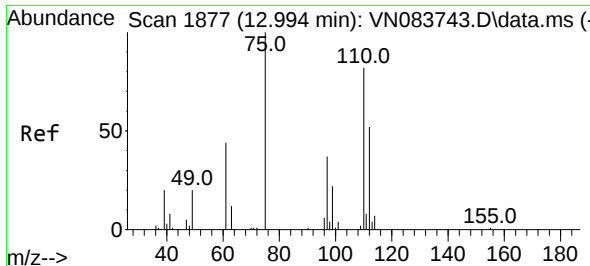
Ion Ratio Lower Upper

152 100

115 64.6 32.2 96.6

150 157.9 0.0 348.6

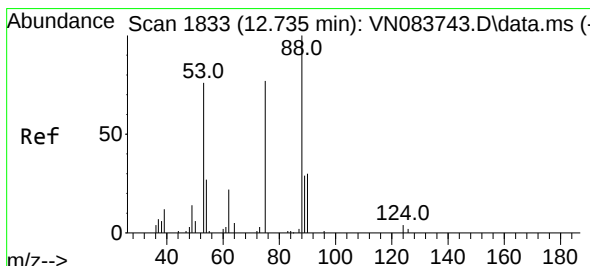
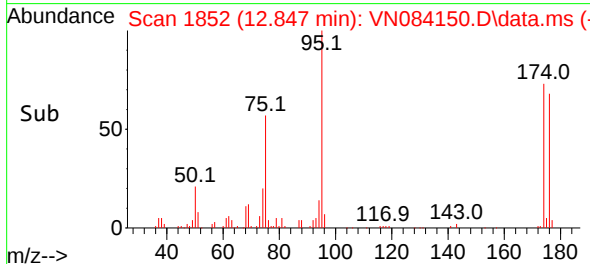
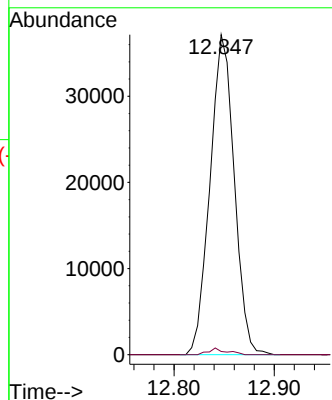
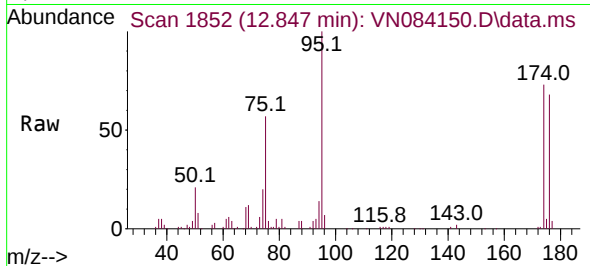




#76
1,2,3-Trichloropropane
Concen: 33.089 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084150.D
Acq: 25 Sep 2024 10:47

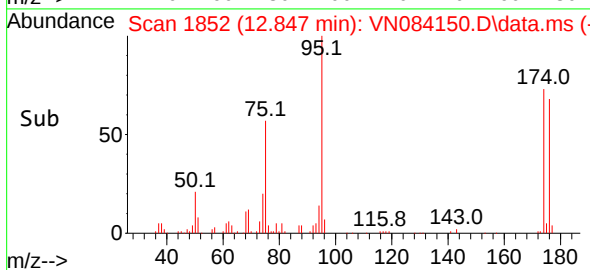
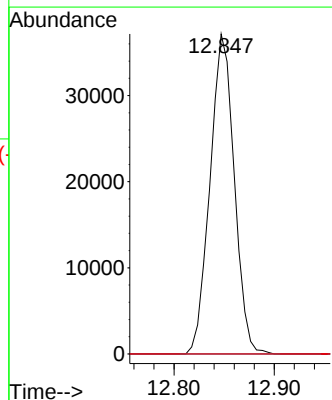
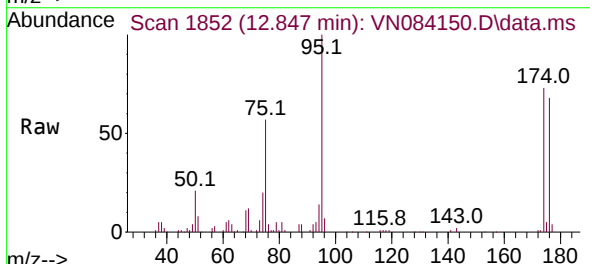
Instrument :
MSVOA_N
ClientSampleId :
VN0925MBL01

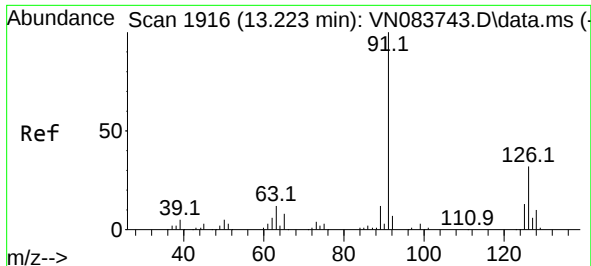
Tgt Ion: 75 Resp: 62448
Ion Ratio Lower Upper
75 100
77 1.5 95.2 285.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.663 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084150.D
Acq: 25 Sep 2024 10:47

Tgt Ion: 75 Resp: 62448
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

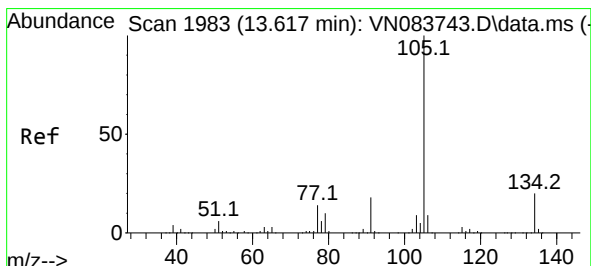
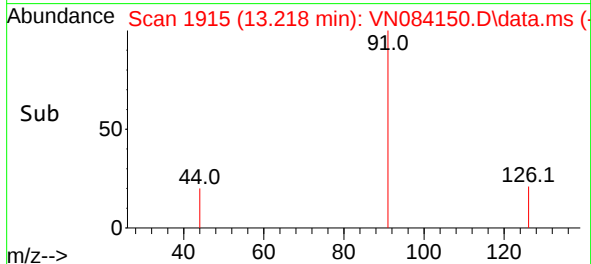
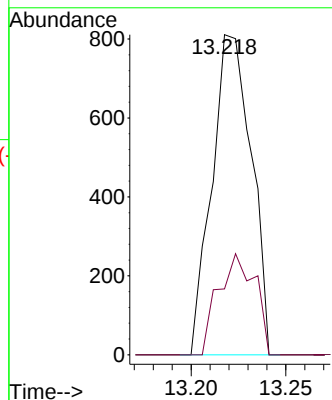
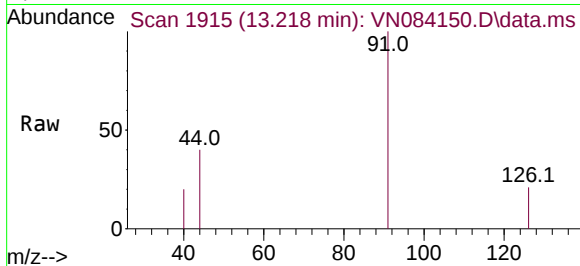




#82
4-Chlorotoluene
Concen: 0.217 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.006 min
Lab File: VN084150.D
Acq: 25 Sep 2024 10:47

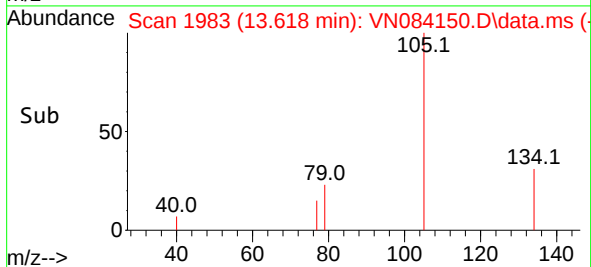
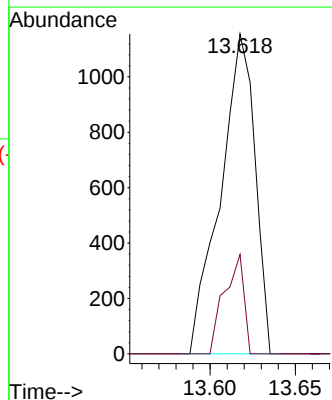
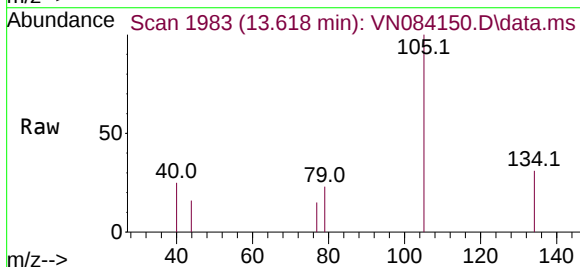
Instrument :
MSVOA_N
ClientSampleId :
VN0925MBL01

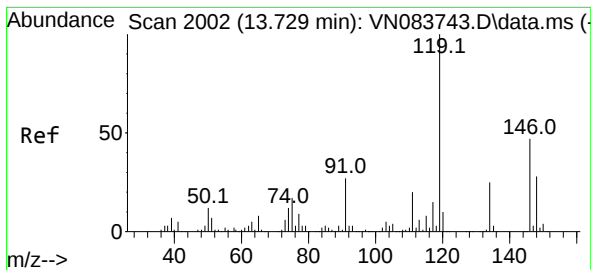
Tgt Ion: 91 Resp: 1171
Ion Ratio Lower Upper
91 100
126 29.4 15.4 46.2



#85
sec-Butylbenzene
Concen: 0.230 ug/l
RT: 13.618 min Scan# 1983
Delta R.T. 0.000 min
Lab File: VN084150.D
Acq: 25 Sep 2024 10:47

Tgt Ion: 105 Resp: 1630
Ion Ratio Lower Upper
105 100
134 17.5 9.7 29.1





#86

p-Isopropyltoluene

Concen: 0.215 ug/l

RT: 13.729 min Scan# 2003

Delta R.T. 0.000 min

Lab File: VN084150.D

Acq: 25 Sep 2024 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0925MBL01

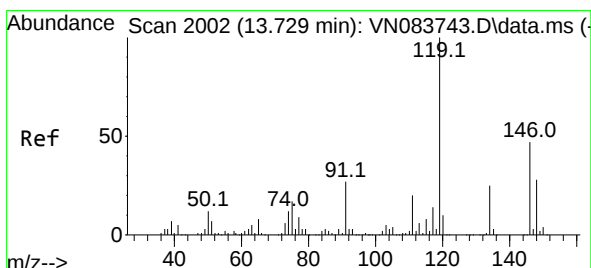
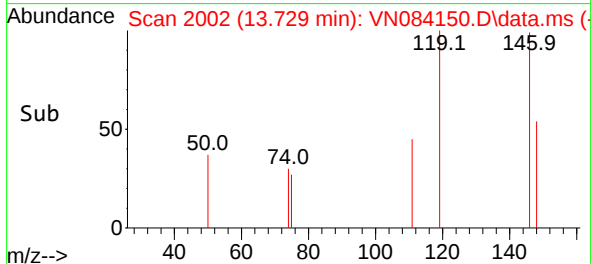
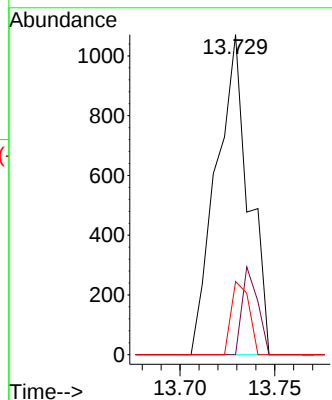
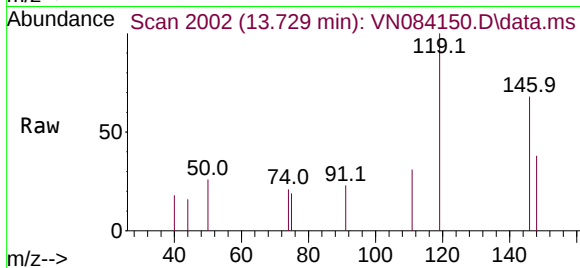
Tgt Ion:119 Resp: 1273

Ion Ratio Lower Upper

119 100

134 13.1 12.8 38.3

91 12.5 12.9 38.7#



#87

1,3-Dichlorobenzene

Concen: 0.328 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.006 min

Lab File: VN084150.D

Acq: 25 Sep 2024 10:47

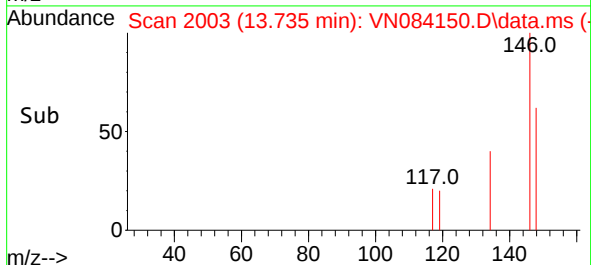
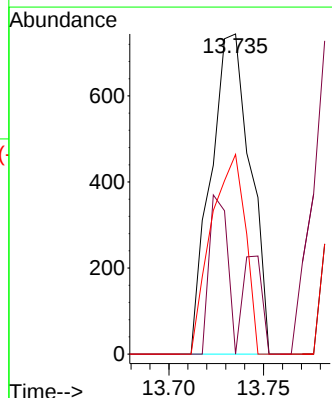
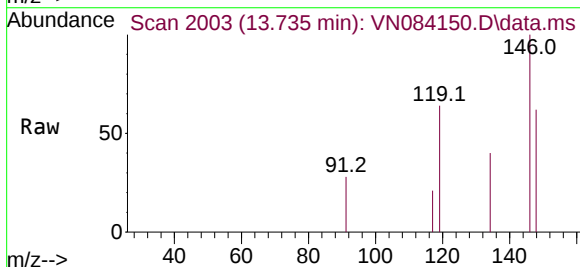
Tgt Ion:146 Resp: 1079

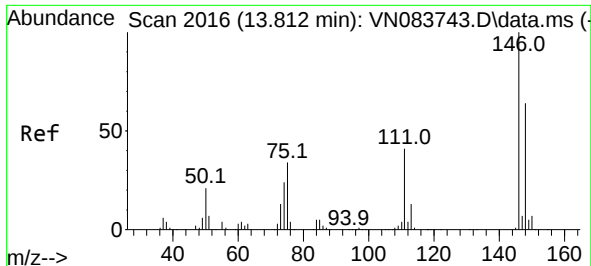
Ion Ratio Lower Upper

146 100

111 23.0 21.7 65.1

148 54.3 31.7 95.1

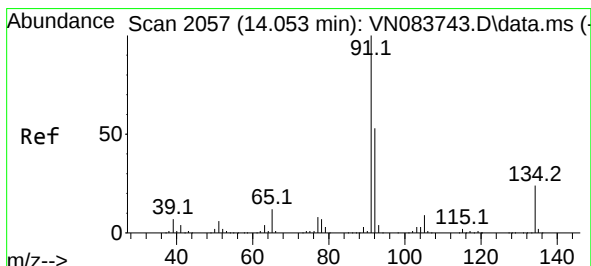
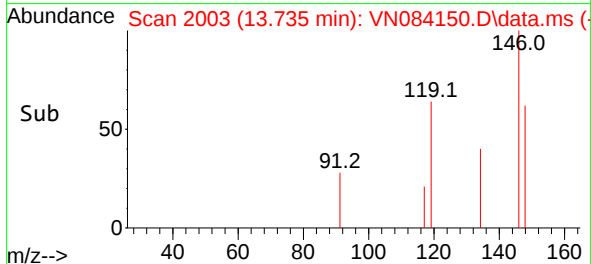
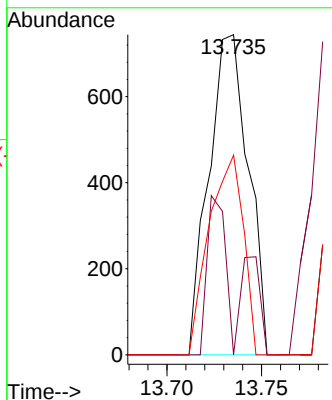
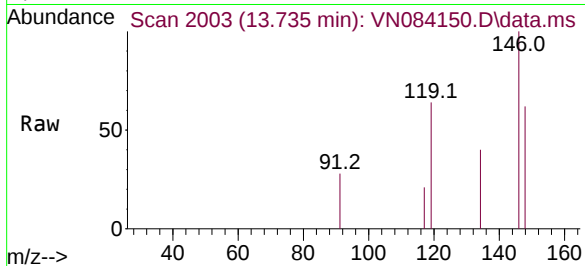




#88
1,4-Dichlorobenzene
Concen: 0.324 ug/l
RT: 13.735 min Scan# 2016
Delta R.T. -0.076 min
Lab File: VN084150.D
Acq: 25 Sep 2024 10:47

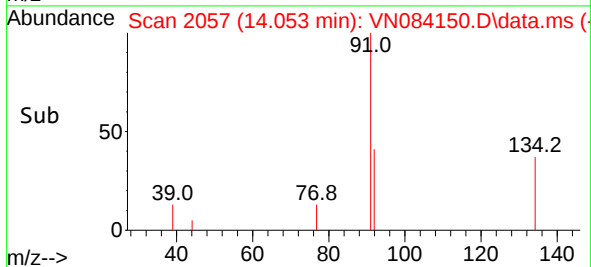
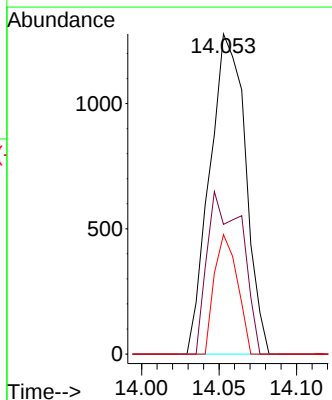
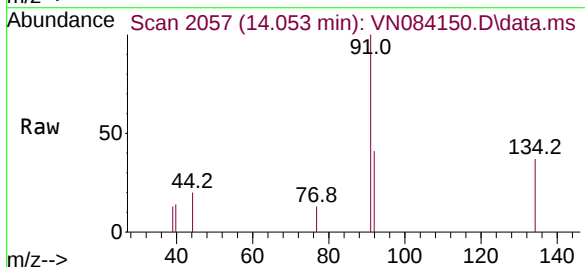
Instrument :
MSVOA_N
ClientSampleId :
VN0925MBL01

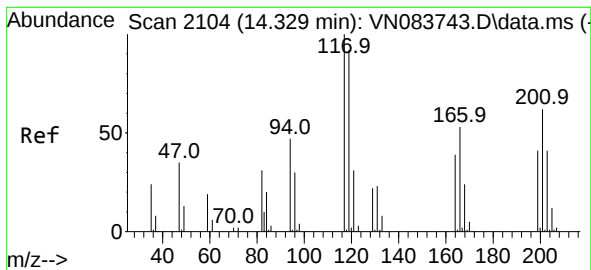
Tgt Ion:146 Resp: 1079
Ion Ratio Lower Upper
146 100
111 23.0 21.3 64.0
148 54.3 32.0 96.2



#89
n-Butylbenzene
Concen: 0.384 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN084150.D
Acq: 25 Sep 2024 10:47

Tgt Ion: 91 Resp: 2048
Ion Ratio Lower Upper
91 100
92 48.8 26.7 80.1
134 24.0 12.2 36.4





#90

Hexachloroethane

Concen: 0.292 ug/l

RT: 14.329 min Scan# 2104

Delta R.T. 0.000 min

Lab File: VN084150.D

Acq: 25 Sep 2024 10:47

Instrument :

MSVOA_N

ClientSampleId :

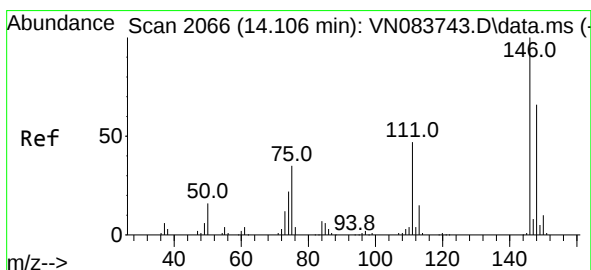
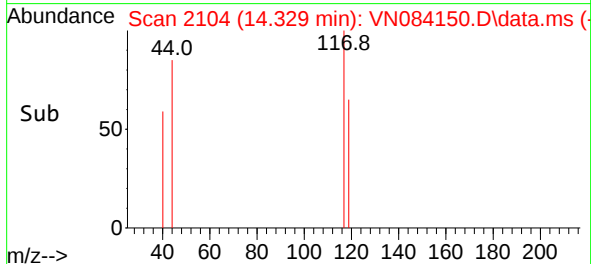
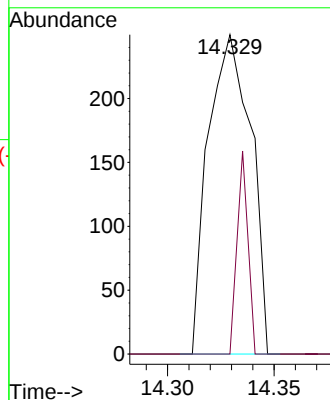
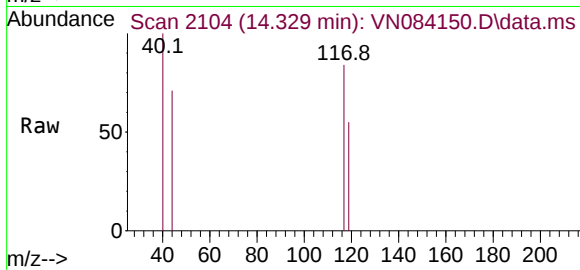
VN0925MBL01

Tgt Ion:117 Resp: 348

Ion Ratio Lower Upper

117 100

201 16.1 32.8 98.3#



#91

1,2-Dichlorobenzene

Concen: 0.310 ug/l

RT: 14.100 min Scan# 2065

Delta R.T. -0.006 min

Lab File: VN084150.D

Acq: 25 Sep 2024 10:47

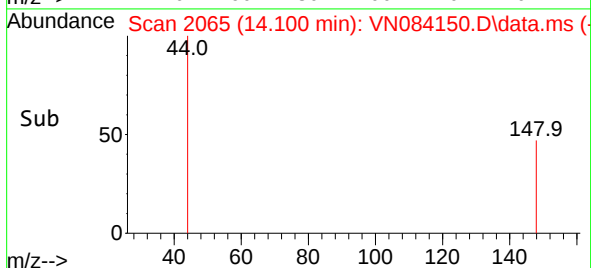
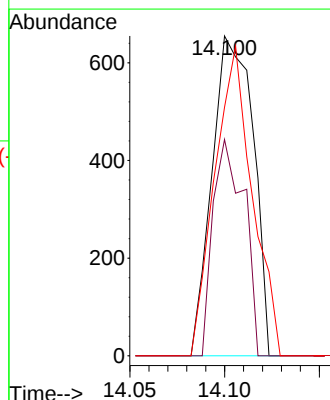
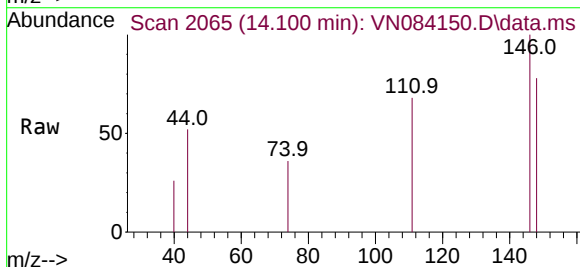
Tgt Ion:146 Resp: 985

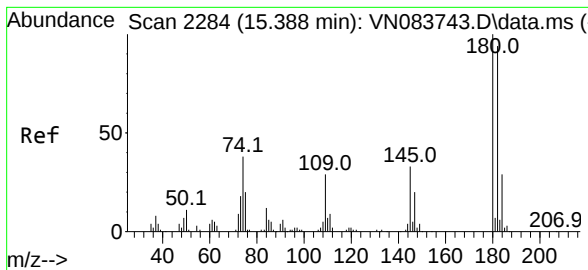
Ion Ratio Lower Upper

146 100

111 51.4 22.8 68.3

148 88.9 32.1 96.5

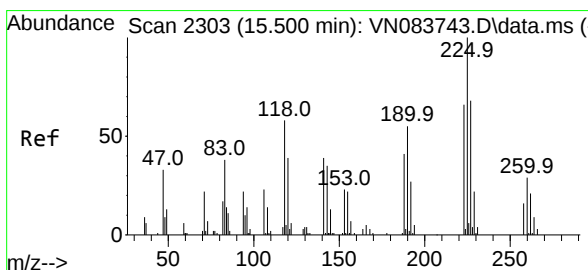
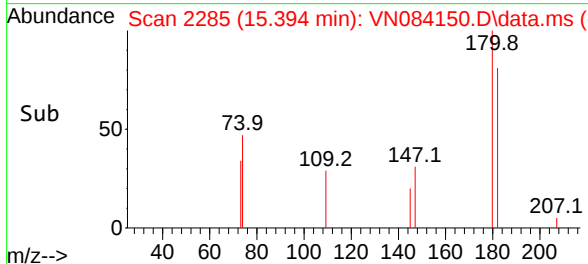
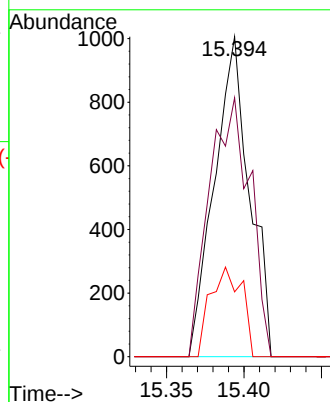
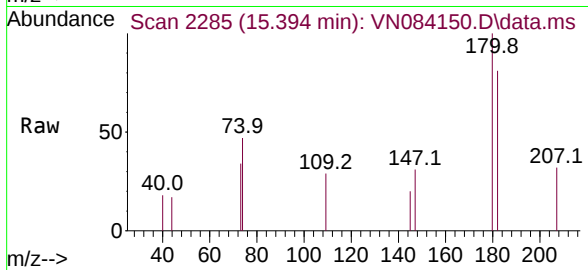




#93
1,2,4-Trichlorobenzene
Concen: 0.927 ug/l
RT: 15.394 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN084150.D
Acq: 25 Sep 2024 10:47

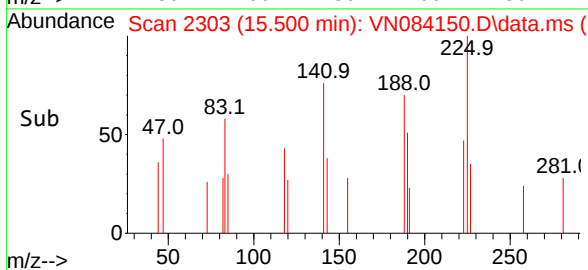
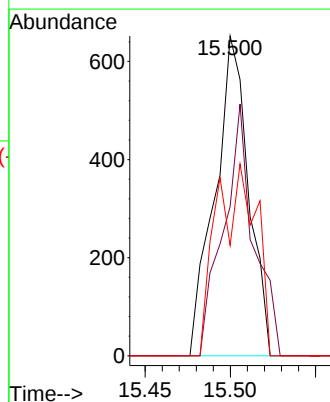
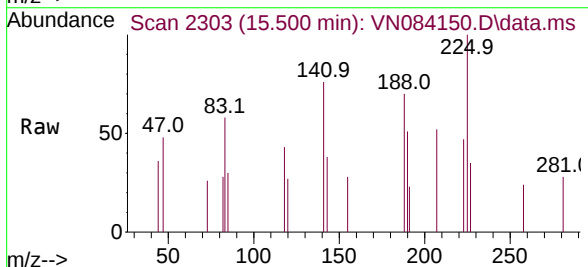
Instrument :
MSVOA_N
ClientSampleId :
VN0925MBL01

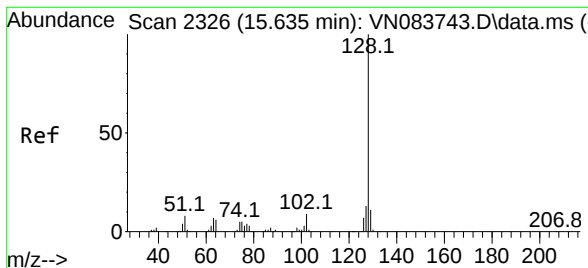
Tgt Ion:180 Resp: 1578
Ion Ratio Lower Upper
180 100
182 94.4 48.1 144.3
145 25.2 16.9 50.7



#94
Hexachlorobutadiene
Concen: 1.237 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN084150.D
Acq: 25 Sep 2024 10:47

Tgt Ion:225 Resp: 894
Ion Ratio Lower Upper
225 100
223 70.8 31.9 95.5
227 32.3 32.0 96.2





#95

Naphthalene

Concen: 1.301 ug/l

RT: 15.641 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN084150.D

Acq: 25 Sep 2024 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0925MBL01

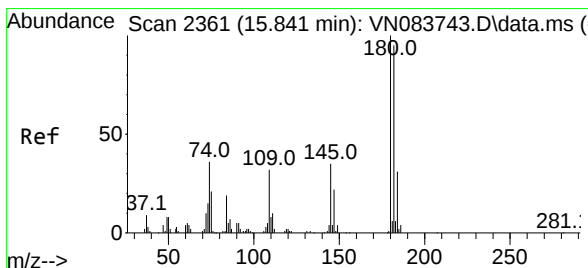
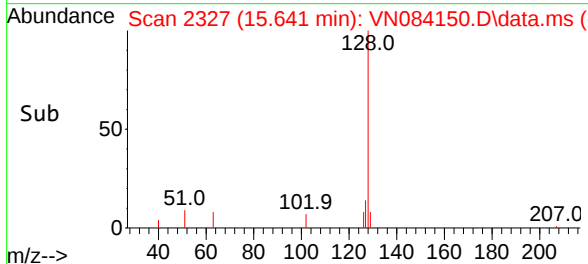
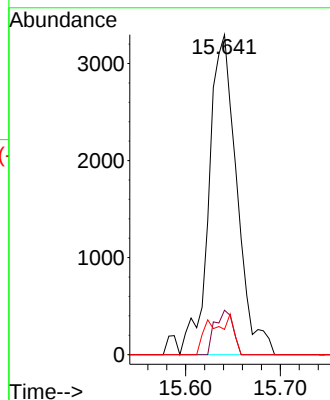
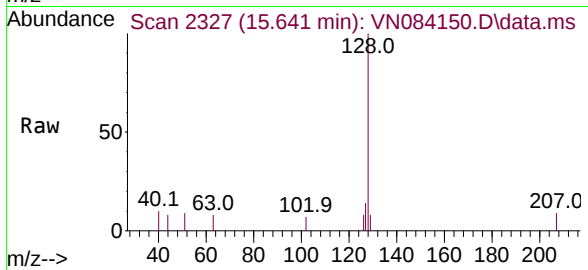
Tgt Ion:128 Resp: 6737

Ion Ratio Lower Upper

128 100

127 9.0 10.2 15.2#

129 4.4 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 1.282 ug/l

RT: 15.847 min Scan# 2362

Delta R.T. 0.006 min

Lab File: VN084150.D

Acq: 25 Sep 2024 10:47

Tgt Ion:180 Resp: 2086

Ion Ratio Lower Upper

180 100

182 94.4 47.1 141.4

145 27.0 17.8 53.5

