

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091724\
 Data File : VN083962.D
 Acq On : 18 Sep 2024 05:09
 Operator : JC\MD
 Sample : P3985-01
 Misc : 5.02g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 18 05:45:53 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)

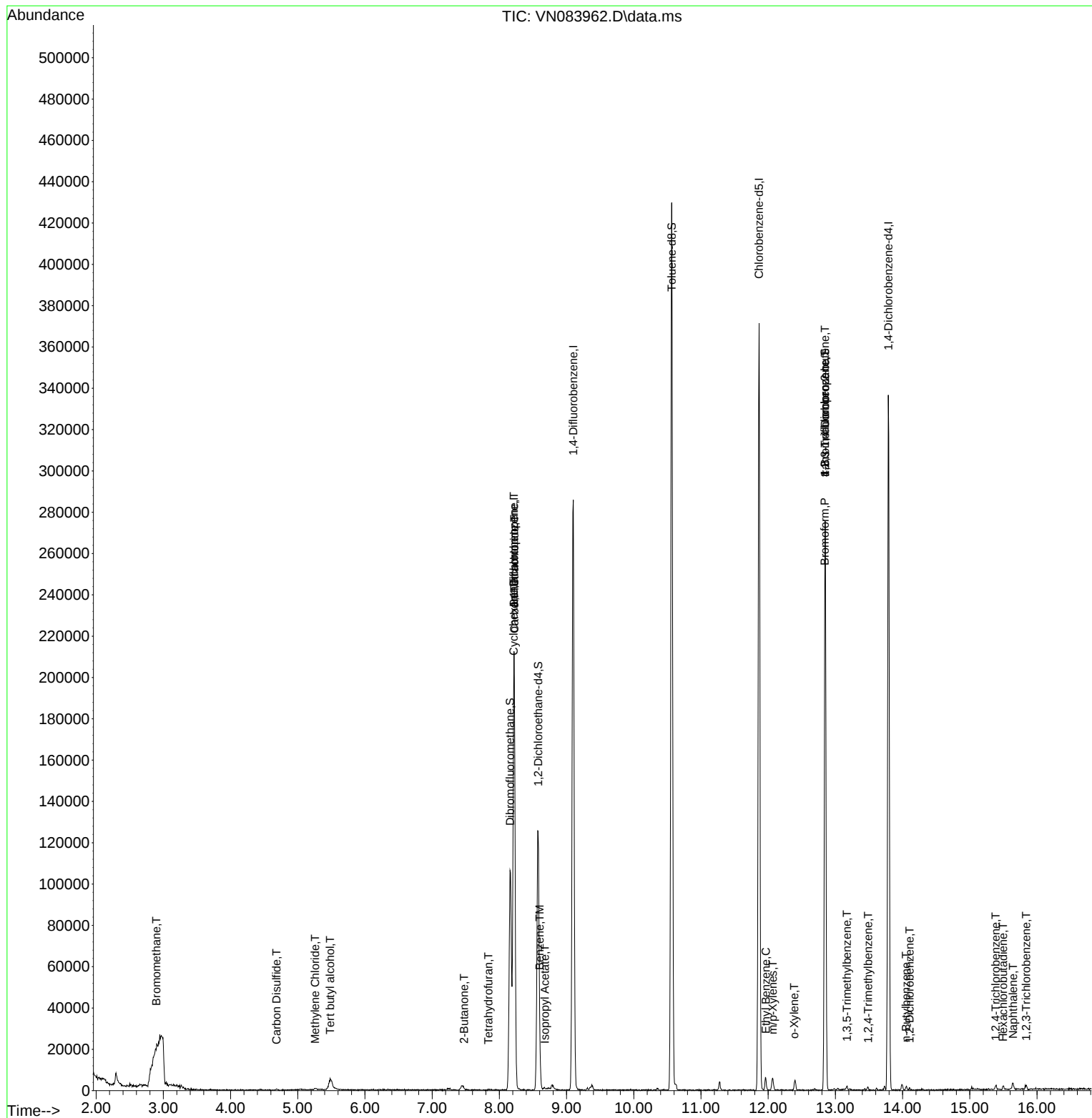
Internal Standards						
1) Pentafluorobenzene	8.218	168	139038	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	235685	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	196302	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	83270	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	107988	51.509	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.020%	
35) Dibromofluoromethane	8.159	113	75516	50.050	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.100%	
50) Toluene-d8	10.565	98	281137	53.898	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.800%	
62) 4-Bromofluorobenzene	12.847	95	92714	43.082	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 86.160%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.348	50	339	Below Cal	#	41
5) Bromomethane	2.895	94	478	0.470	ug/l #	2
11) Tert butyl alcohol	5.483	59	5287	18.832	ug/l #	71
17) Carbon Disulfide	4.683	76	1190	0.283	ug/l #	75
18) Methyl Acetate	5.012	43	241	Below Cal	#	52
20) Methylene Chloride	5.259	84	594	0.345	ug/l #	37
25) 2-Butanone	7.477	43	221	0.200	ug/l #	49
29) Tetrahydrofuran	7.835	42	137	0.210	ug/l #	32
31) Cyclohexane	8.212	56	3872	1.278	ug/l #	48
36) 1,1-Dichloropropene	8.218	75	13277	5.846	ug/l #	51
38) Carbon Tetrachloride	8.224	117	16404	6.367	ug/l #	16
40) Benzene	8.600	78	6355	0.930	ug/l #	88
43) Isopropyl Acetate	8.677	43	803	0.215	ug/l #	57
67) Ethyl Benzene	11.965	91	4975	0.642	ug/l #	60
68) m/p-Xylenes	12.070	106	2398	0.833	ug/l	90
69) o-Xylene	12.388	106	1511	0.542	ug/l	88
71) Bromoform	12.841	173	511	0.501	ug/l #	29
76) 1,2,3-Trichloropropane	12.847	75	53450	31.811	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.170	105	1121	0.206	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.847	75	53450	83.316	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.488	105	1151	0.211	ug/l	78
89) n-Butylbenzene	14.053	91	1269	0.268	ug/l #	84
91) 1,2-Dichlorobenzene	14.106	146	674	0.239	ug/l #	52
93) 1,2,4-Trichlorobenzene	15.388	180	826	0.545	ug/l #	51
94) Hexachlorobutadiene	15.494	225	415	0.645	ug/l	87
95) Naphthalene	15.647	128	3523	0.764	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.841	180	895	0.618	ug/l #	78

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

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Instrument :
MSVOA_N
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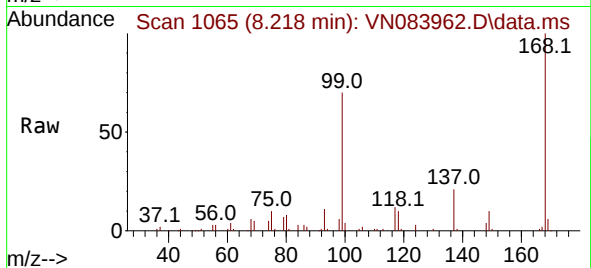
Quant Time: Sep 18 05:45:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
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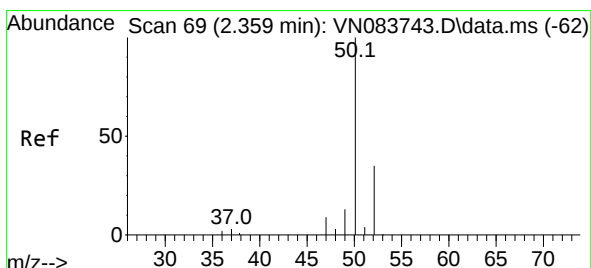
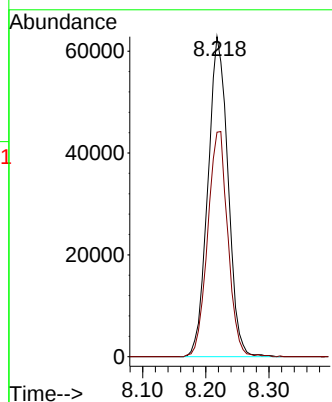
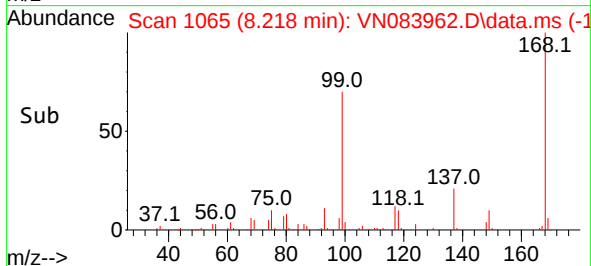


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN083962.D
Acq: 18 Sep 2024 05:09

Instrument :
MSVOA_N
ClientSampleId :

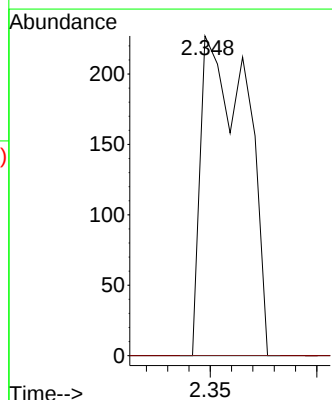
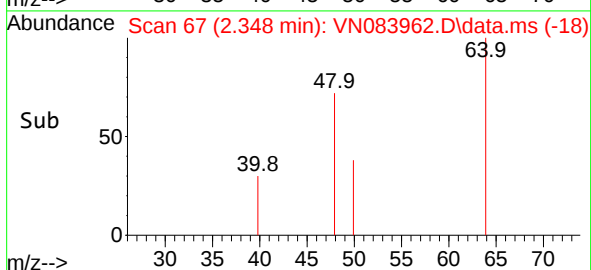
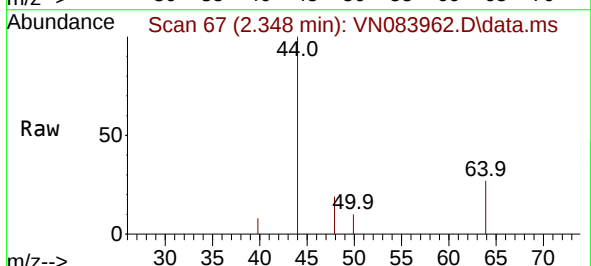


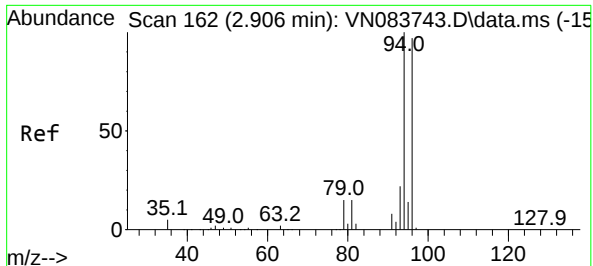
Tgt Ion:168 Resp: 139038
Ion Ratio Lower Upper
168 100
99 70.2 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.348 min Scan# 67
Delta R.T. -0.011 min
Lab File: VN083962.D
Acq: 18 Sep 2024 05:09

Tgt Ion: 50 Resp: 339
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

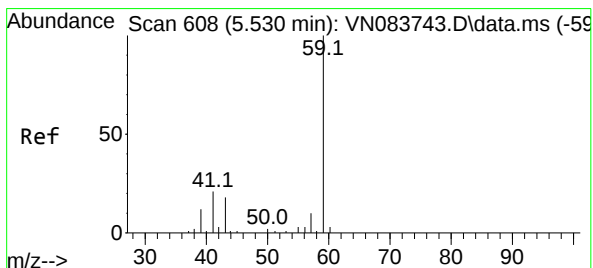
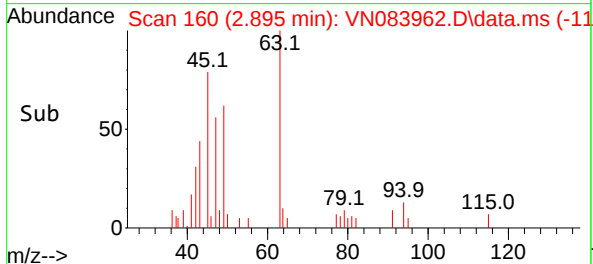
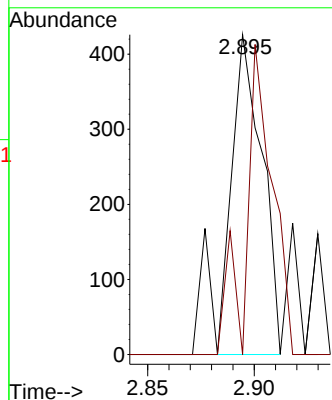
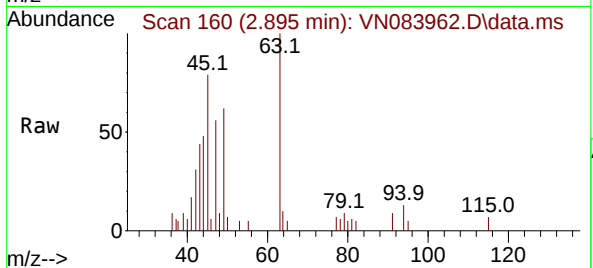




#5
Bromomethane
Concen: 0.470 ug/l
RT: 2.895 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN083962.D
Acq: 18 Sep 2024 05:09

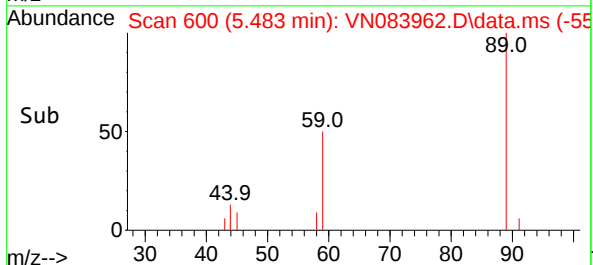
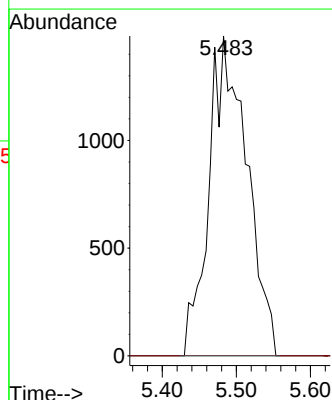
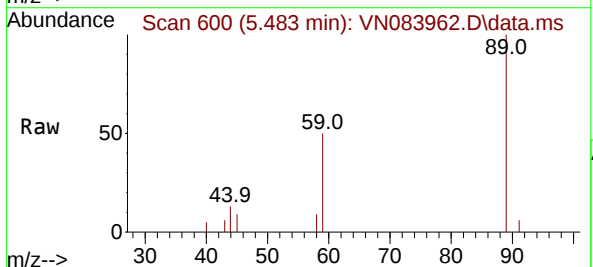
Instrument :
MSVOA_N
ClientSampleId :

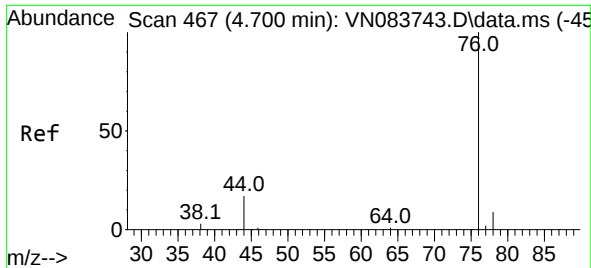
Tgt Ion: 94 Resp: 478
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#



#11
Tert butyl alcohol
Concen: 18.832 ug/l
RT: 5.483 min Scan# 600
Delta R.T. -0.047 min
Lab File: VN083962.D
Acq: 18 Sep 2024 05:09

Tgt Ion: 59 Resp: 5287
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

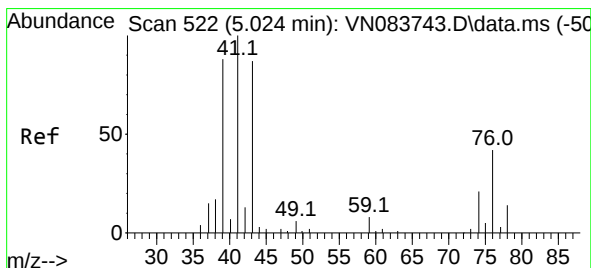
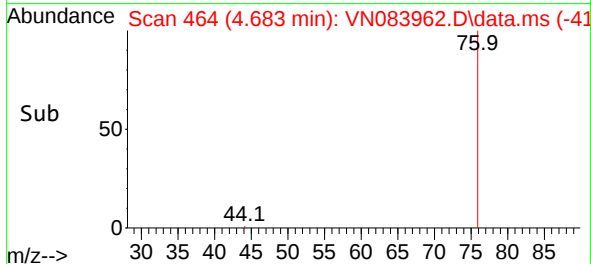
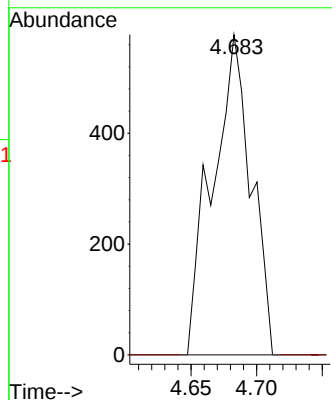
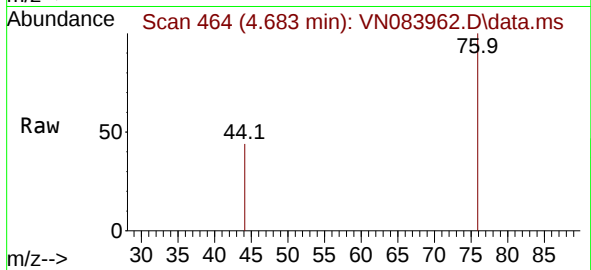




#17
Carbon Disulfide
Concen: 0.283 ug/l
RT: 4.683 min Scan# 41
Delta R.T. -0.018 min
Lab File: VN083962.D
Acq: 18 Sep 2024 05:09

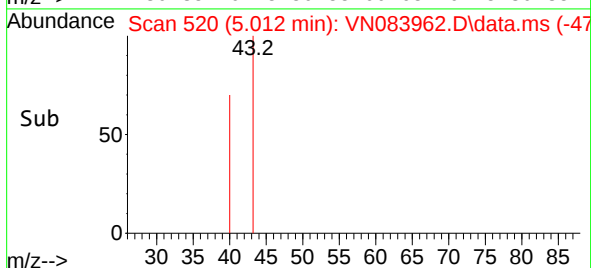
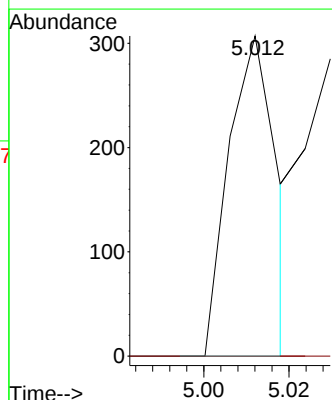
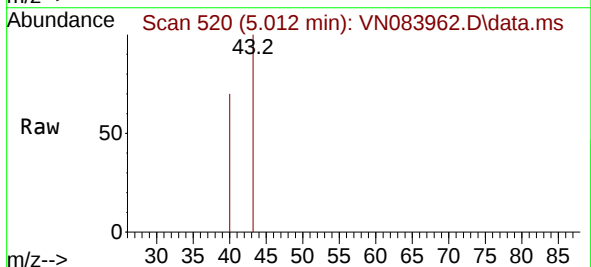
Instrument :
MSVOA_N
ClientSampleId :

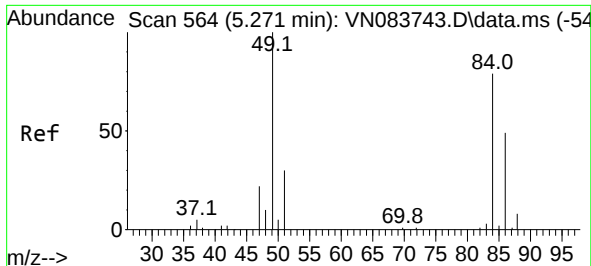
Tgt Ion: 76 Resp: 1190
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



#18
Methyl Acetate
Concen: Below Cal
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN083962.D
Acq: 18 Sep 2024 05:09

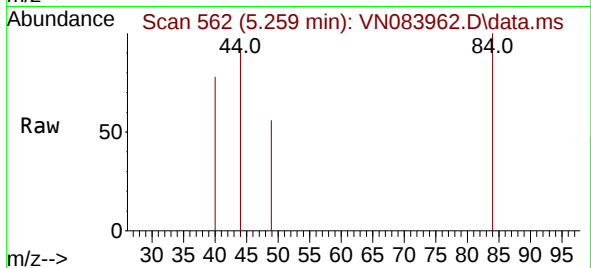
Tgt Ion: 43 Resp: 241
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.4#



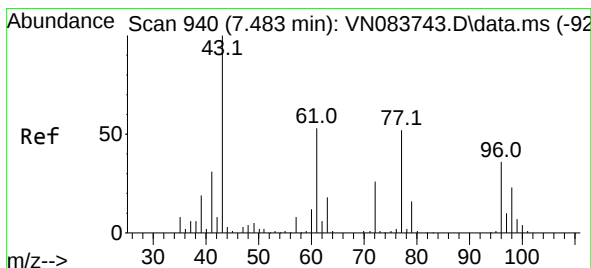
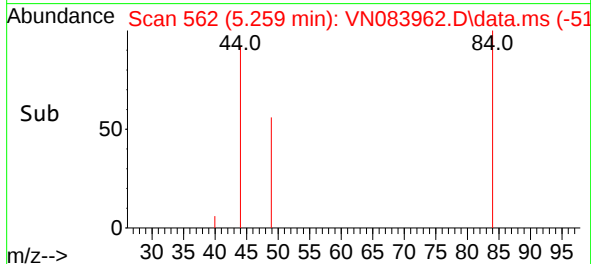
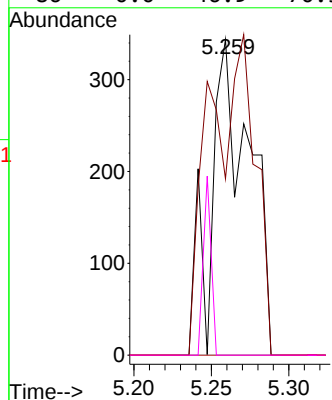


#20
Methylene Chloride
Concen: 0.345 ug/l
RT: 5.259 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN083962.D
Acq: 18 Sep 2024 05:09

Instrument :
MSVOA_N
ClientSampleId :

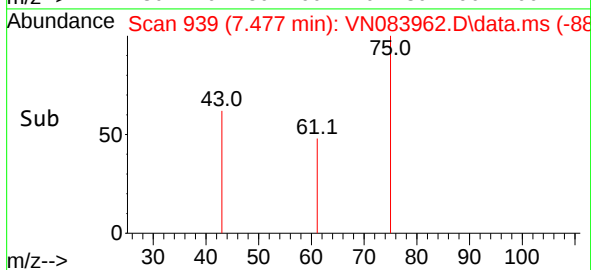
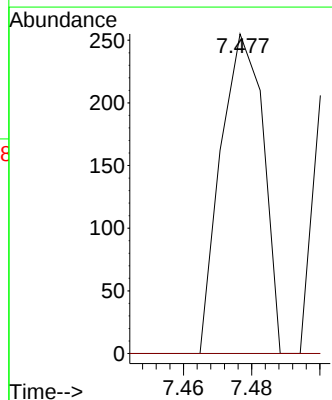
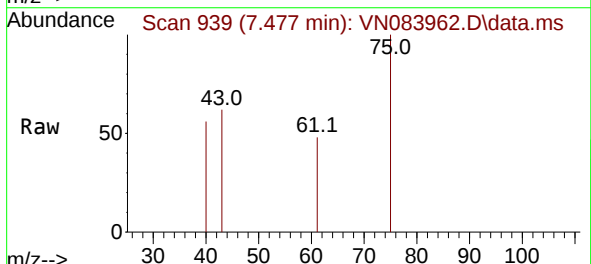


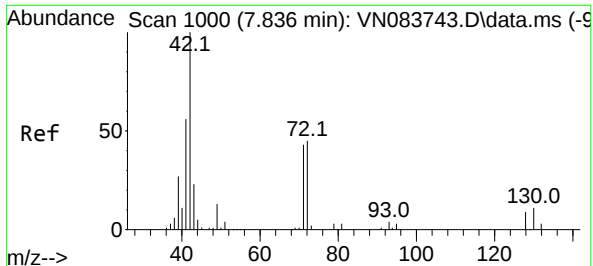
Tgt Ion:	84	Resp:	594
Ion	Ratio	Lower	Upper
84	100		
49	55.8	93.4	140.0#
51	0.0	29.2	43.8#
86	0.0	46.9	70.3#



#25
2-Butanone
Concen: 0.200 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.006 min
Lab File: VN083962.D
Acq: 18 Sep 2024 05:09

Tgt Ion:	43	Resp:	221
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.8	31.2#





#29

Tetrahydrofuran

Concen: 0.210 ug/l

RT: 7.835 min Scan# 1064

Delta R.T. -0.000 min

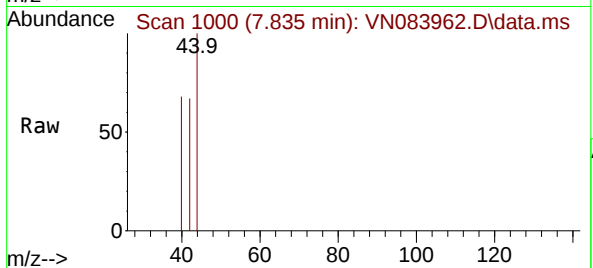
Lab File: VN083962.D

Acq: 18 Sep 2024 05:09

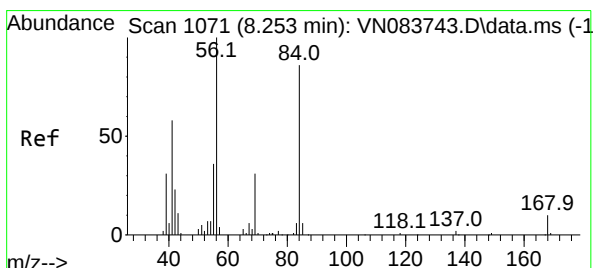
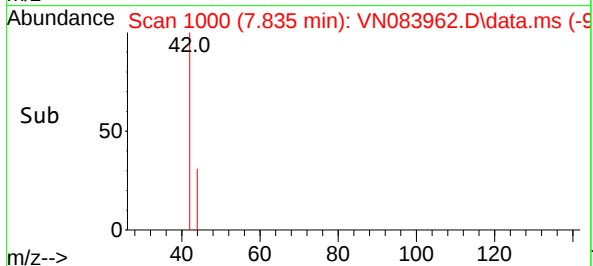
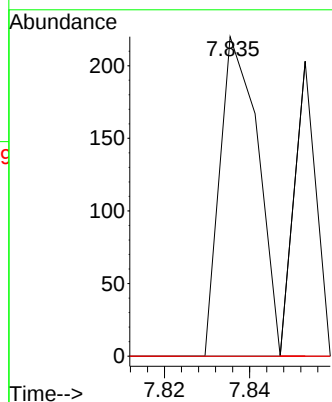
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	137
Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.9	53.9#
71	0.0	33.9	50.9#



#31

Cyclohexane

Concen: 1.278 ug/l

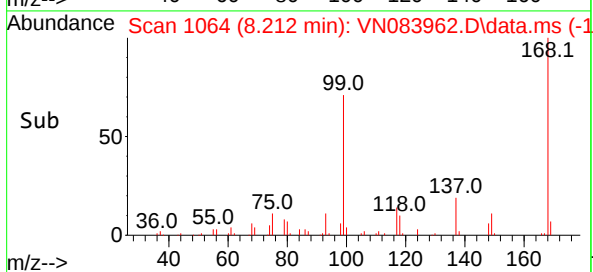
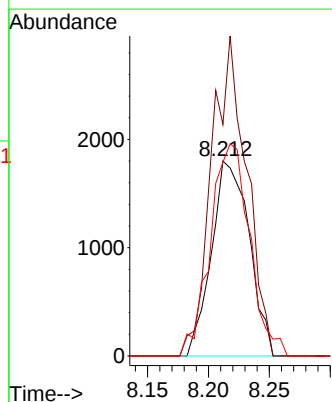
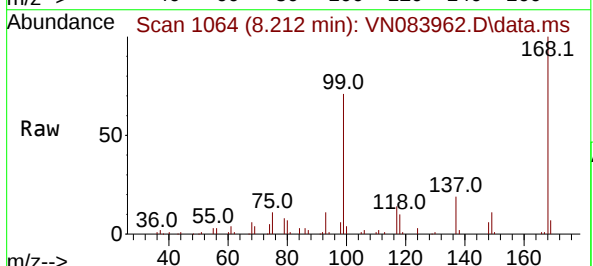
RT: 8.212 min Scan# 1064

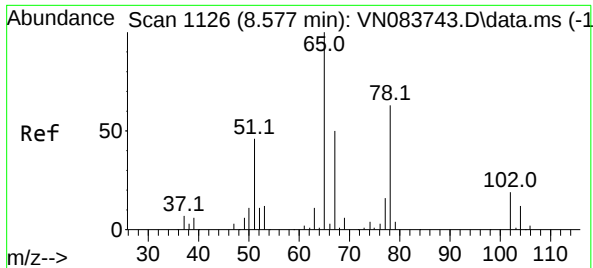
Delta R.T. -0.041 min

Lab File: VN083962.D

Acq: 18 Sep 2024 05:09

Tgt Ion:	56	Resp:	3872
Ion	Ratio	Lower	Upper
56	100		
69	118.8	26.9	40.3#
84	99.4	69.2	103.8





#33

1,2-Dichloroethane-d4

Concen: 51.509 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN083962.D

Acq: 18 Sep 2024 05:09

Instrument :

MSVOA_N

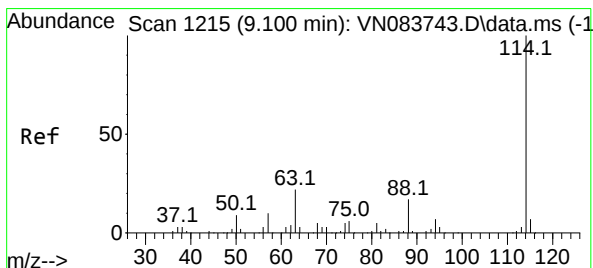
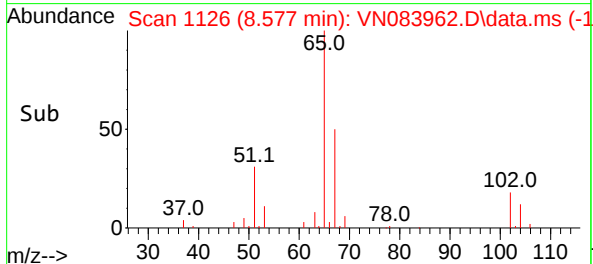
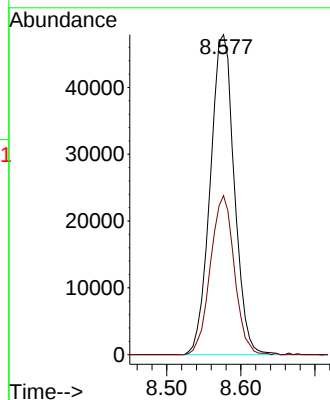
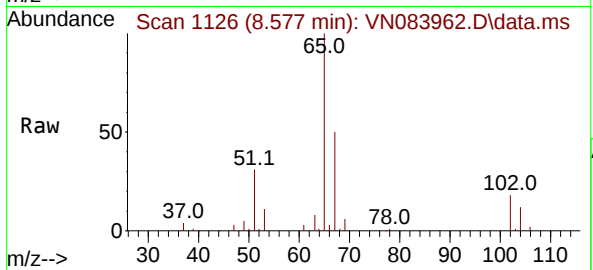
ClientSampleId :

Tgt Ion: 65 Resp: 107988

Ion Ratio Lower Upper

65 100

67 49.5 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: VN083962.D

Acq: 18 Sep 2024 05:09

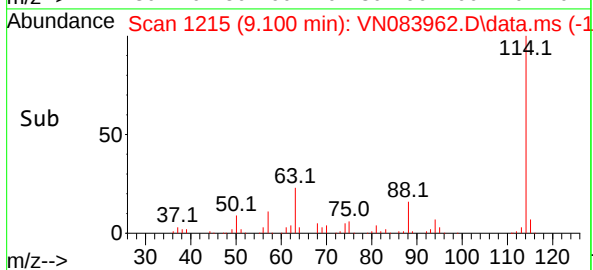
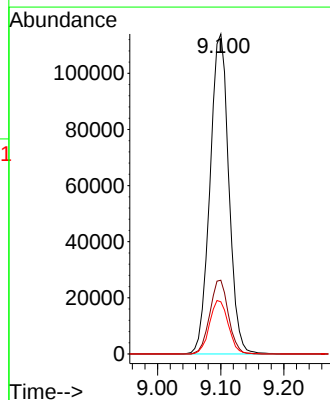
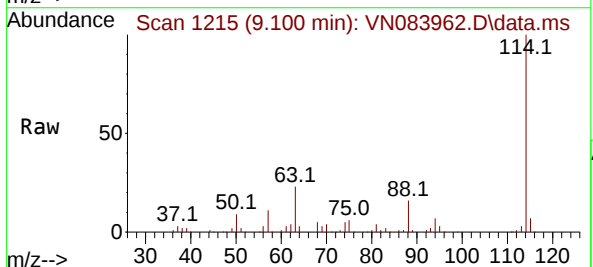
Tgt Ion: 114 Resp: 235685

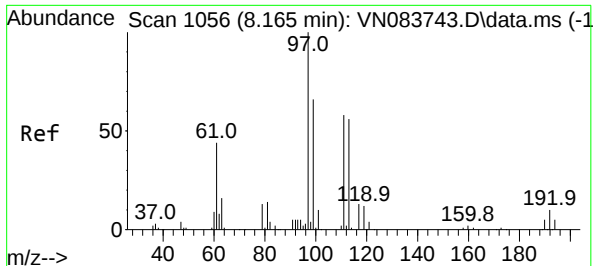
Ion Ratio Lower Upper

114 100

63 23.0 0.0 43.4

88 16.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.050 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN083962.D

Acq: 18 Sep 2024 05:09

Instrument :

MSVOA_N

ClientSampleId :

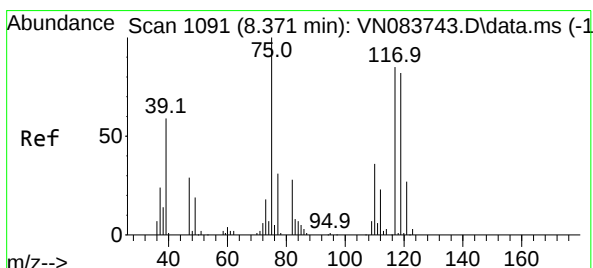
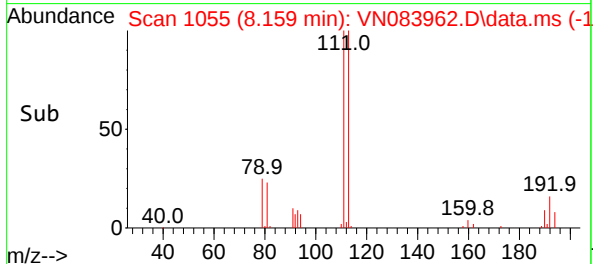
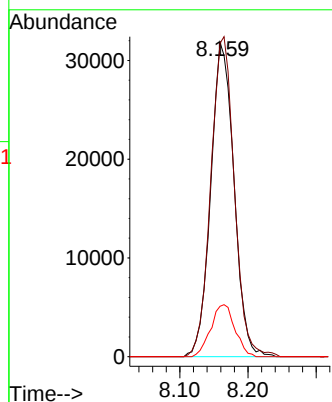
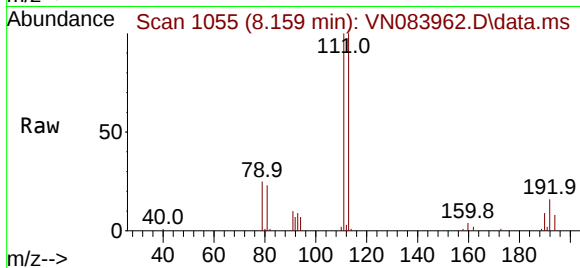
Tgt Ion:113 Resp: 75516

Ion Ratio Lower Upper

113 100

111 102.9 82.6 124.0

192 17.2 14.3 21.5



#36

1,1-Dichloropropene

Concen: 5.846 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN083962.D

Acq: 18 Sep 2024 05:09

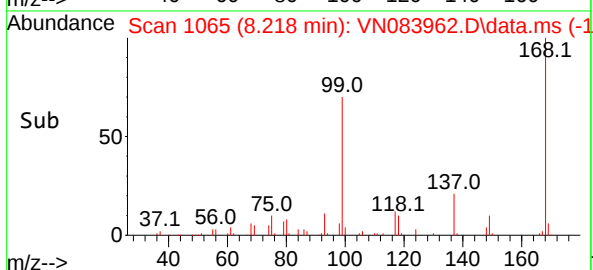
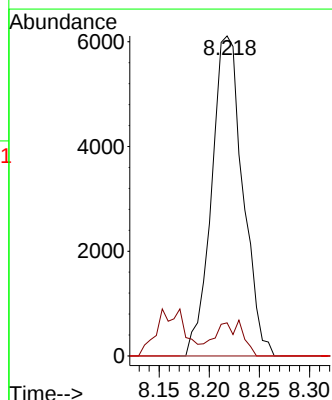
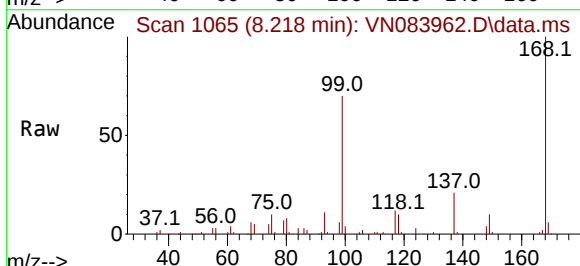
Tgt Ion: 75 Resp: 13277

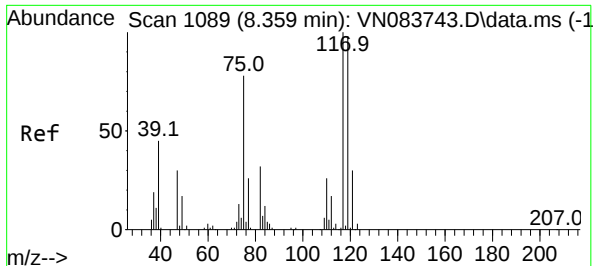
Ion Ratio Lower Upper

75 100

110 9.2 16.7 50.1#

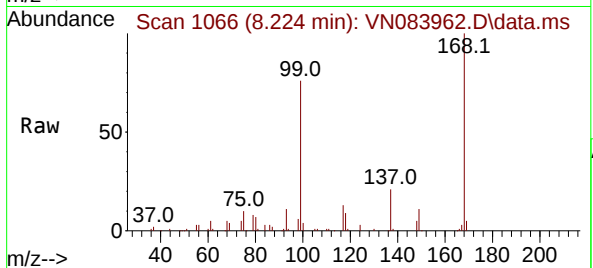
77 0.0 25.2 37.8#



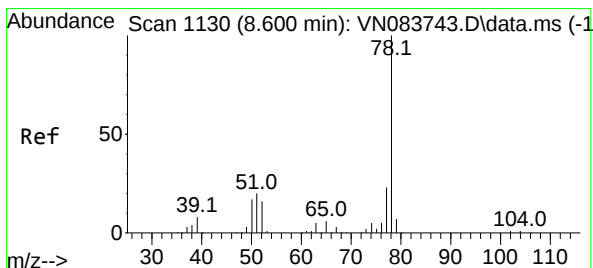
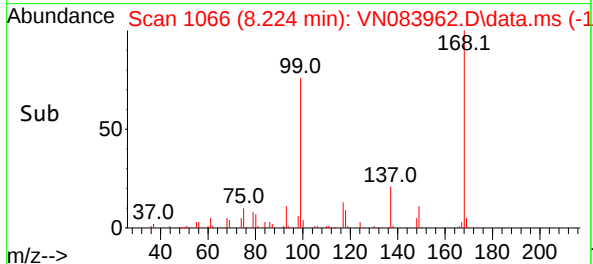
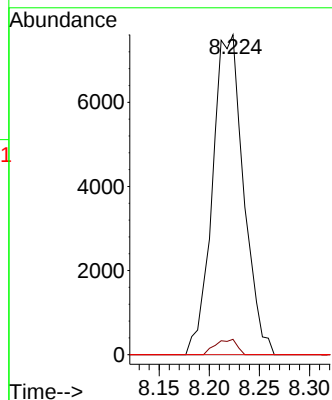


#38
Carbon Tetrachloride
Concen: 6.367 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083962.D
Acq: 18 Sep 2024 05:09

Instrument :
MSVOA_N
ClientSampleId :

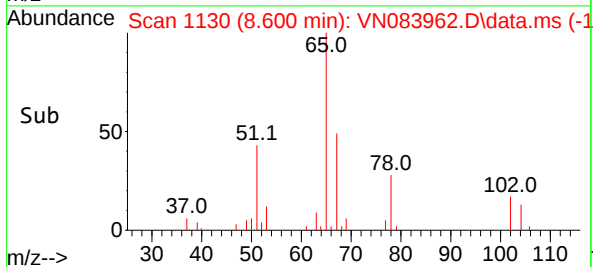
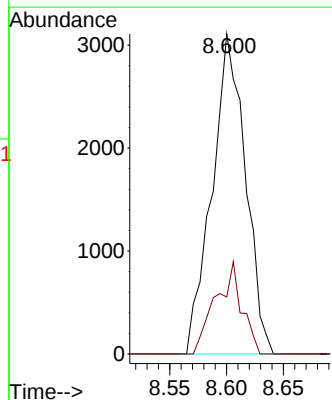
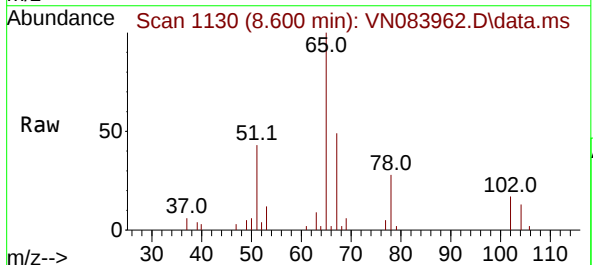


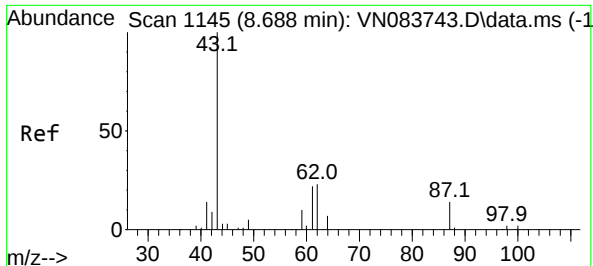
Tgt Ion:117 Resp: 16404
Ion Ratio Lower Upper
117 100
119 4.8 76.1 114.1#
121 0.0 24.1 36.1#



#40
Benzene
Concen: 0.930 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN083962.D
Acq: 18 Sep 2024 05:09

Tgt Ion: 78 Resp: 6355
Ion Ratio Lower Upper
78 100
77 17.8 19.0 28.6#





#43

Isopropyl Acetate

Concen: 0.215 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. -0.012 min

Lab File: VN083962.D

Acq: 18 Sep 2024 05:09

Instrument :

MSVOA_N

ClientSampleId :

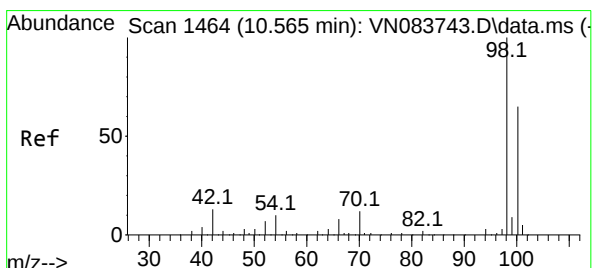
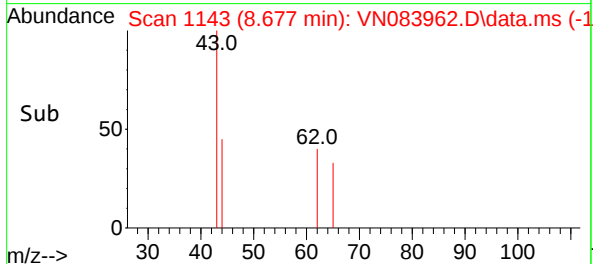
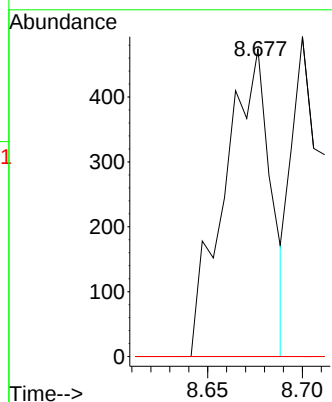
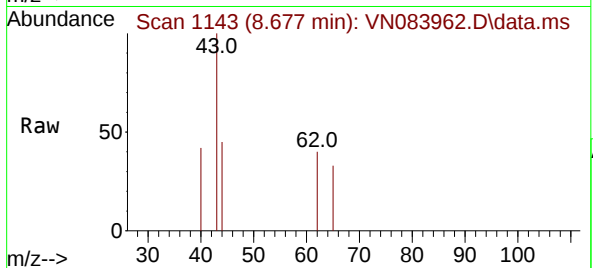
Tgt Ion: 43 Resp: 803

Ion Ratio Lower Upper

43 100

61 0.0 19.4 29.0#

87 0.0 9.8 14.6#



#50

Toluene-d8

Concen: 53.898 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083962.D

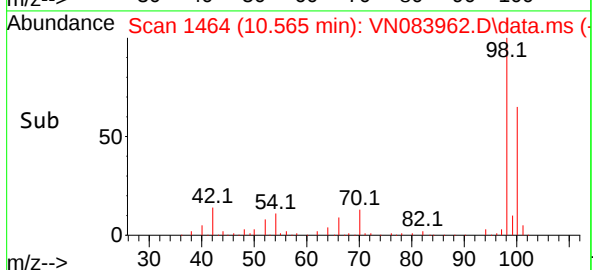
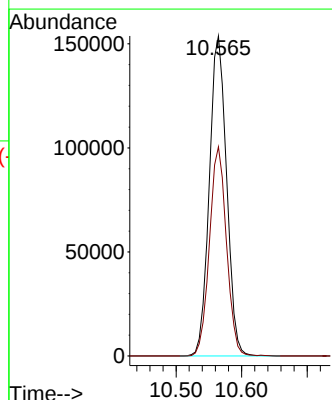
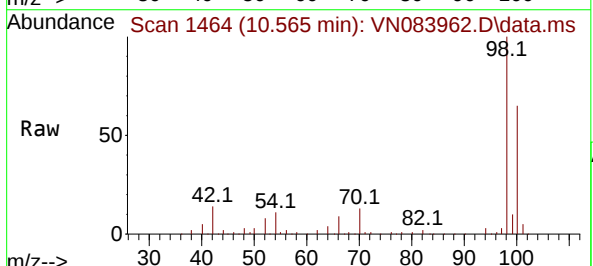
Acq: 18 Sep 2024 05:09

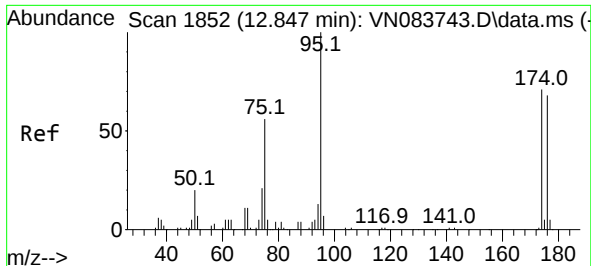
Tgt Ion: 98 Resp: 281137

Ion Ratio Lower Upper

98 100

100 64.4 52.0 78.0

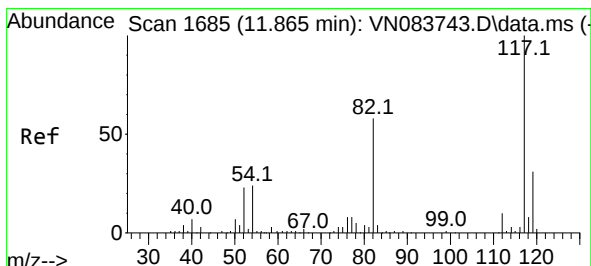
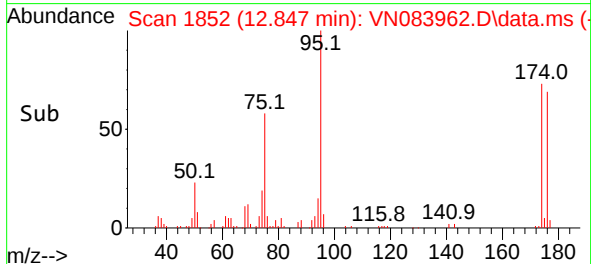
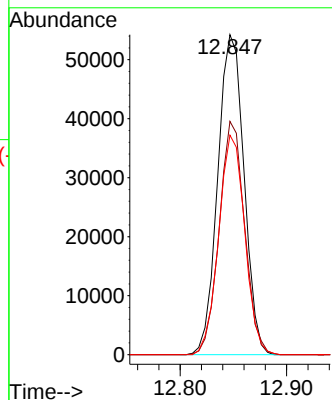
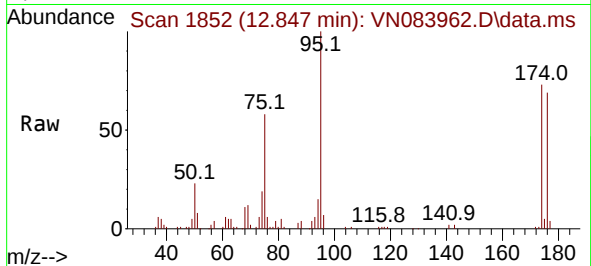




#62
4-Bromofluorobenzene
Concen: 43.082 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083962.D
Acq: 18 Sep 2024 05:09

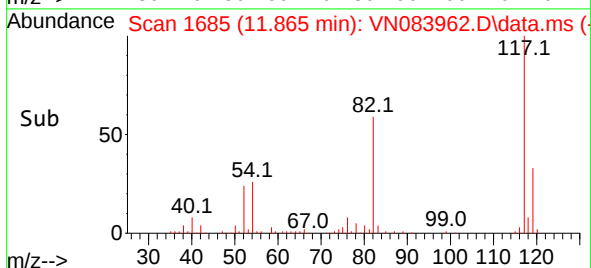
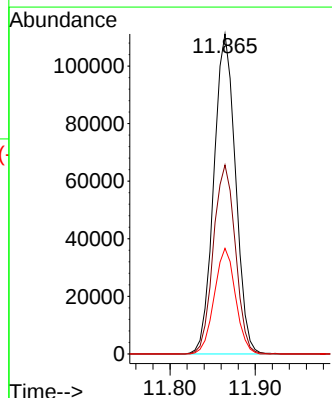
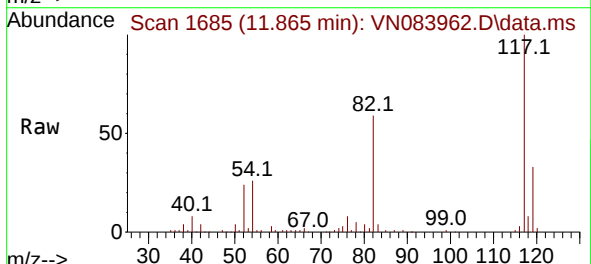
Instrument :
MSVOA_N
ClientSampleId :

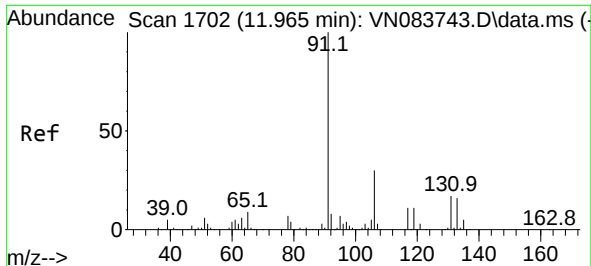
Tgt Ion: 95 Resp: 92714
Ion Ratio Lower Upper
95 100
174 70.6 0.0 139.8
176 68.1 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083962.D
Acq: 18 Sep 2024 05:09

Tgt Ion: 117 Resp: 196302
Ion Ratio Lower Upper
117 100
82 59.1 47.4 71.0
119 33.0 26.3 39.5





#67

Ethyl Benzene

Concen: 0.642 ug/l

RT: 11.965 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN083962.D

Acq: 18 Sep 2024 05:09

Instrument :

MSVOA_N

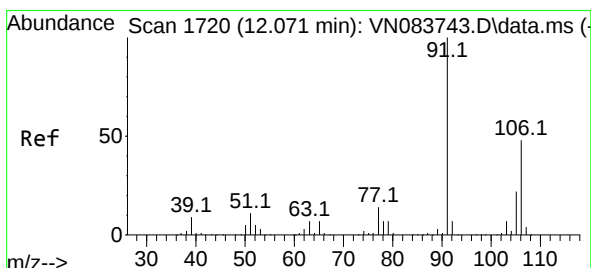
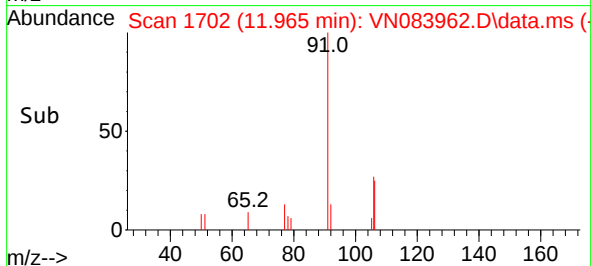
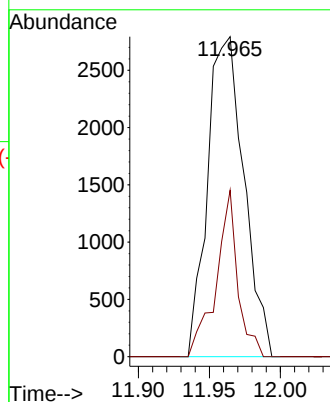
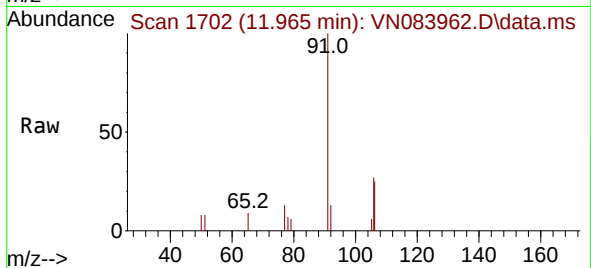
ClientSampleId :

Tgt Ion: 91 Resp: 4975

Ion Ratio Lower Upper

91 100

106 52.0 24.3 36.5#



#68

m/p-Xylenes

Concen: 0.833 ug/l

RT: 12.070 min Scan# 1720

Delta R.T. -0.000 min

Lab File: VN083962.D

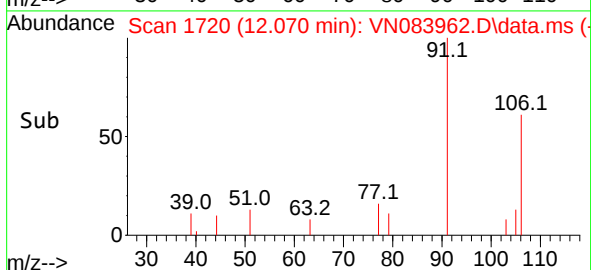
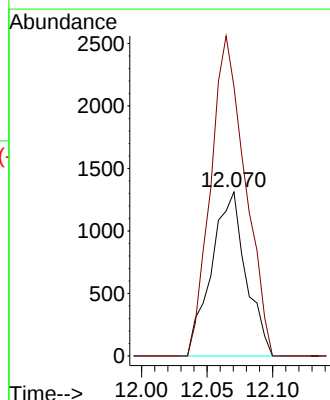
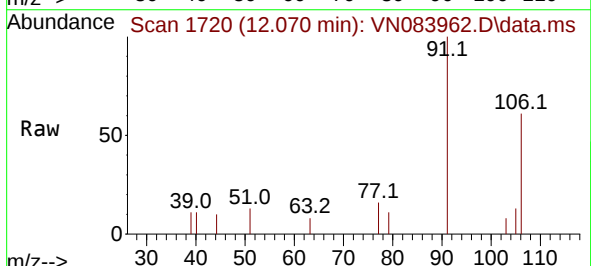
Acq: 18 Sep 2024 05:09

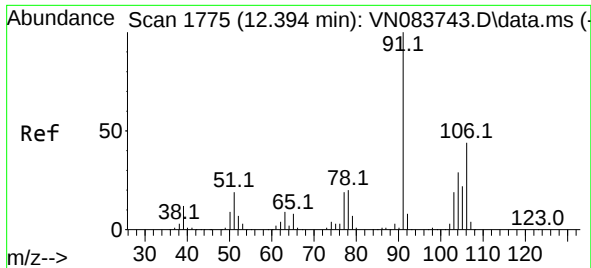
Tgt Ion: 106 Resp: 2398

Ion Ratio Lower Upper

106 100

91 195.2 169.2 253.8

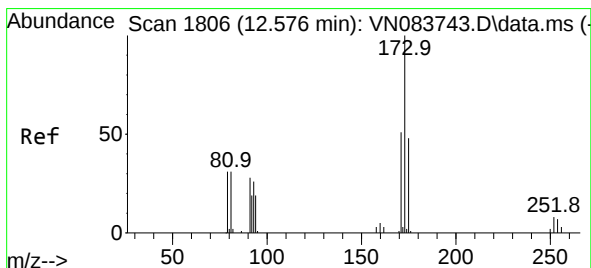
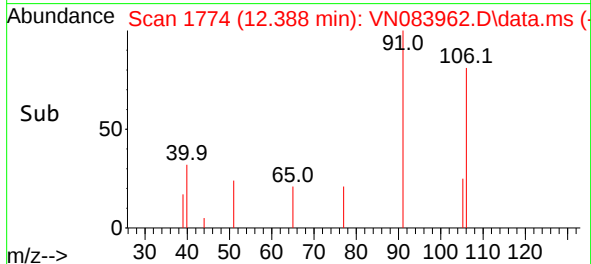
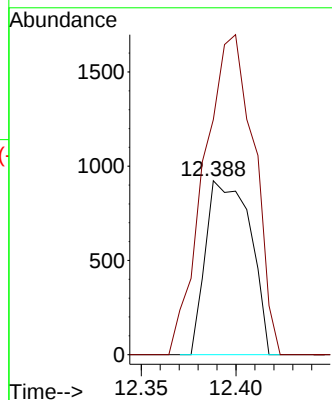
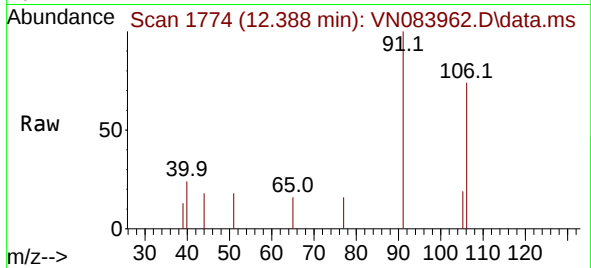




#69
o-Xylene
Concen: 0.542 ug/l
RT: 12.388 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN083962.D
Acq: 18 Sep 2024 05:09

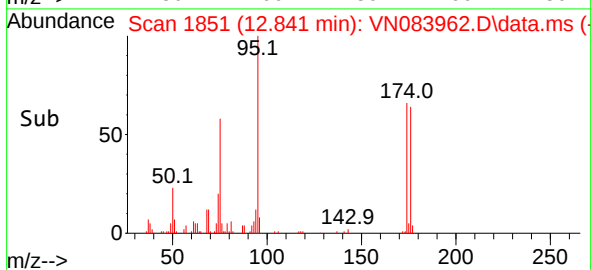
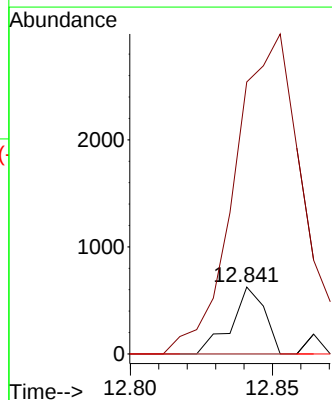
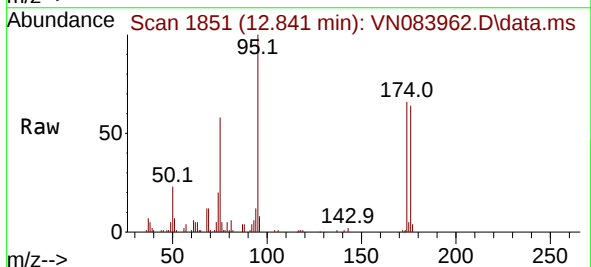
Instrument :
MSVOA_N
ClientSampleId :

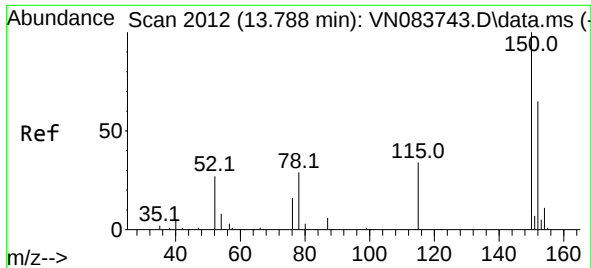
Tgt Ion:106 Resp: 1511
Ion Ratio Lower Upper
106 100
91 206.0 112.9 338.6



#71
Bromoform
Concen: 0.501 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN083962.D
Acq: 18 Sep 2024 05:09

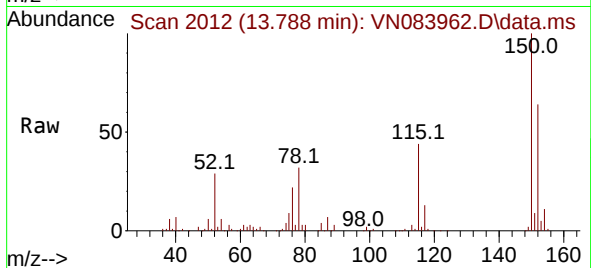
Tgt Ion:173 Resp: 511
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.2#
254 0.0 0.0 0.0



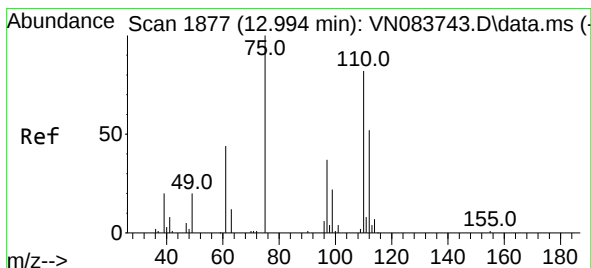
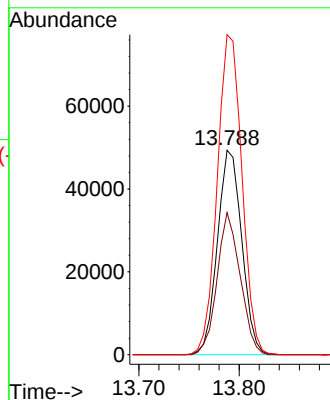
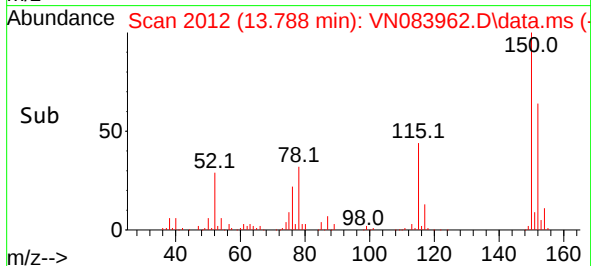


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN083962.D
 Acq: 18 Sep 2024 05:09

Instrument :
 MSVOA_N
 ClientSampleId :

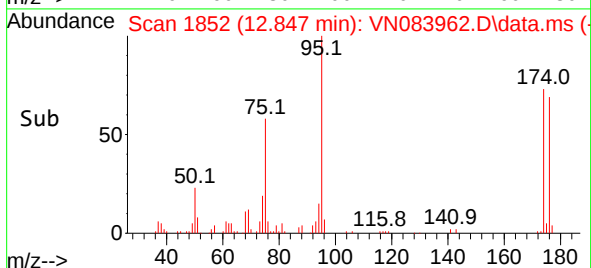
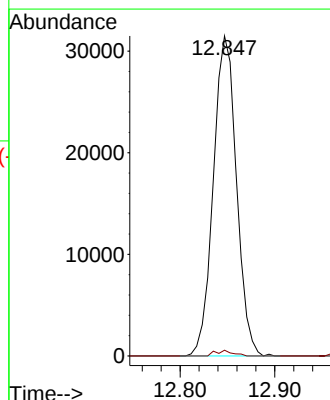
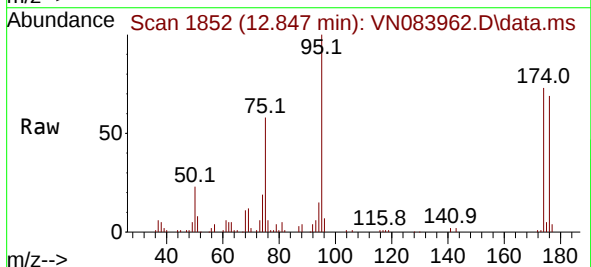


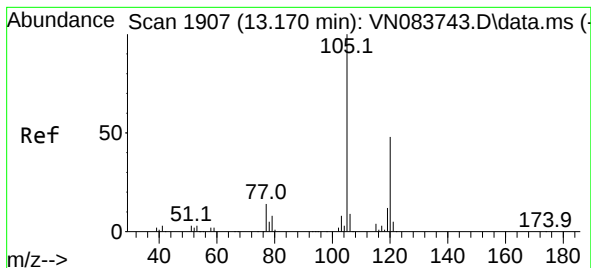
Tgt Ion:152 Resp: 83270
 Ion Ratio Lower Upper
 152 100
 115 65.8 32.2 96.6
 150 158.8 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 31.811 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN083962.D
 Acq: 18 Sep 2024 05:09

Tgt Ion: 75 Resp: 53450
 Ion Ratio Lower Upper
 75 100
 77 1.3 95.2 285.6#





#80

1,3,5-Trimethylbenzene

Concen: 0.206 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN083962.D

Acq: 18 Sep 2024 05:09

Instrument :

MSVOA_N

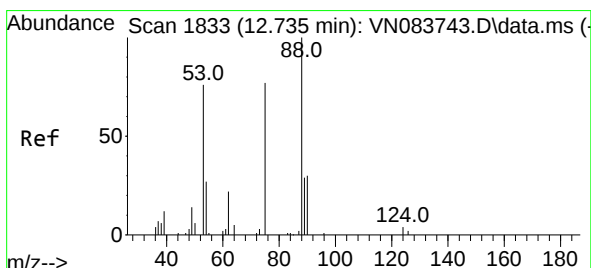
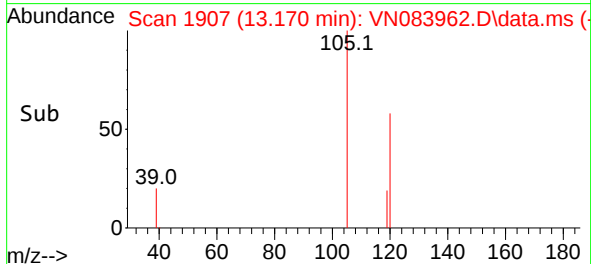
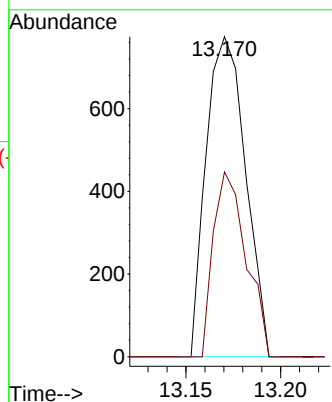
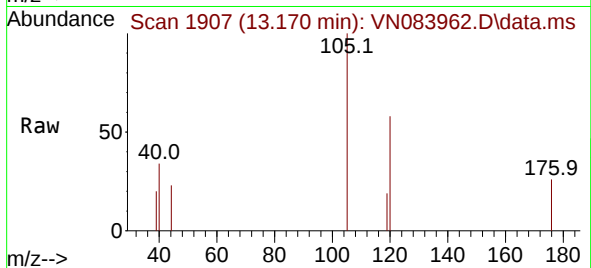
ClientSampleId :

Tgt Ion:105 Resp: 1121

Ion Ratio Lower Upper

105 100

120 48.2 23.4 70.3



#81

trans-1,4-Dichloro-2-butene

Concen: 83.316 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN083962.D

Acq: 18 Sep 2024 05:09

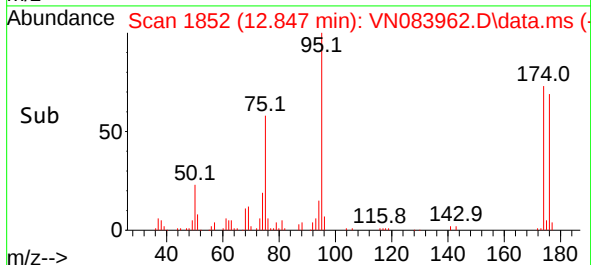
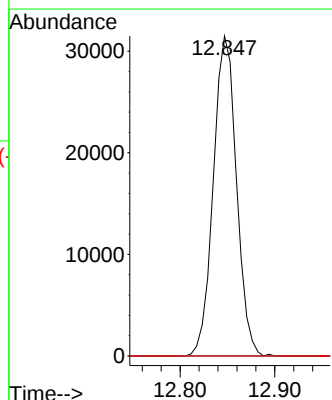
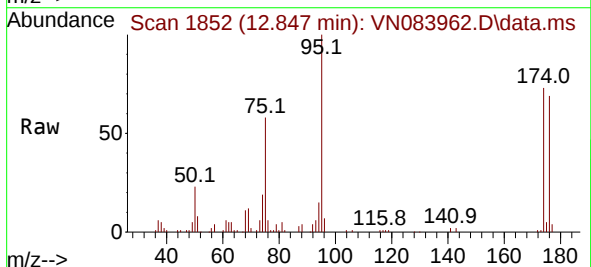
Tgt Ion: 75 Resp: 53450

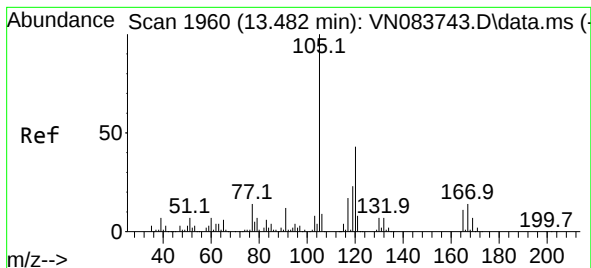
Ion Ratio Lower Upper

75 100

53 0.0 81.2 121.8#

89 0.0 35.7 53.5#





#84

1,2,4-Trimethylbenzene

Concen: 0.211 ug/l

RT: 13.488 min Scan# 1960

Delta R.T. 0.006 min

Lab File: VN083962.D

Acq: 18 Sep 2024 05:09

Instrument :

MSVOA_N

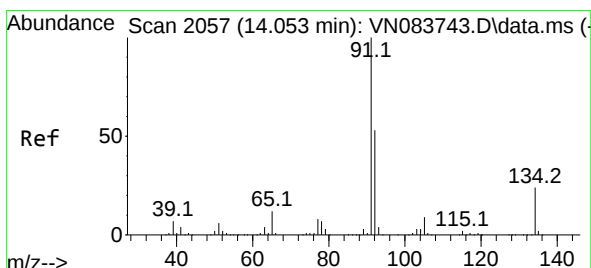
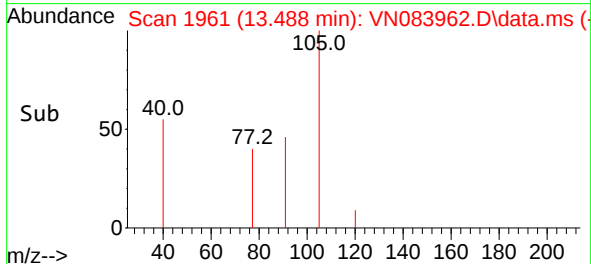
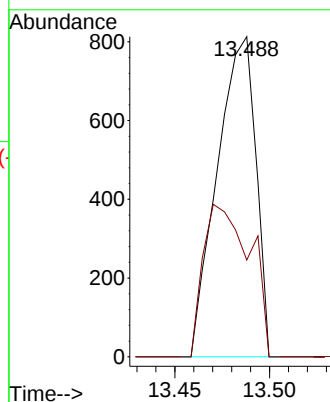
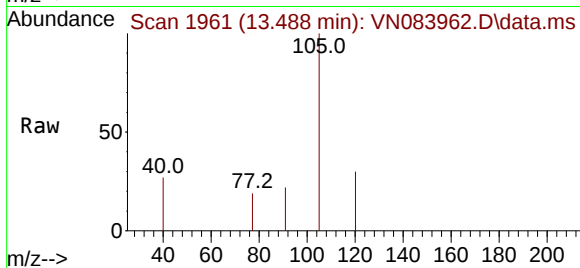
ClientSampleId :

Tgt Ion:105 Resp: 1151

Ion Ratio Lower Upper

105 100

120 57.7 21.8 65.4



#89

n-Butylbenzene

Concen: 0.268 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN083962.D

Acq: 18 Sep 2024 05:09

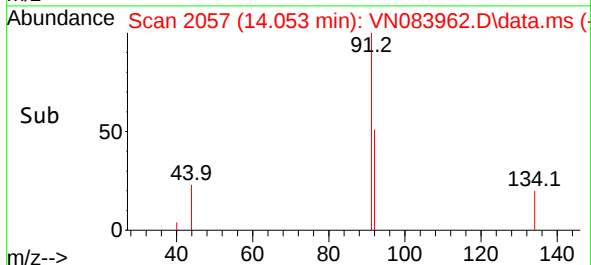
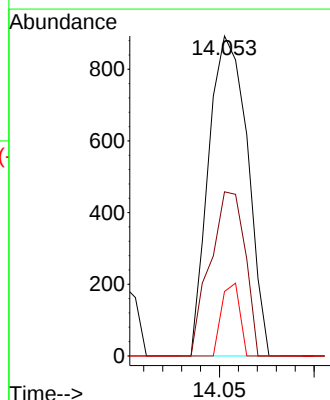
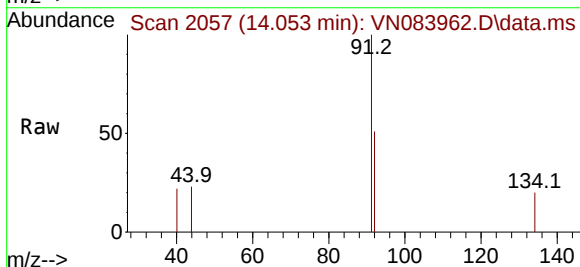
Tgt Ion: 91 Resp: 1269

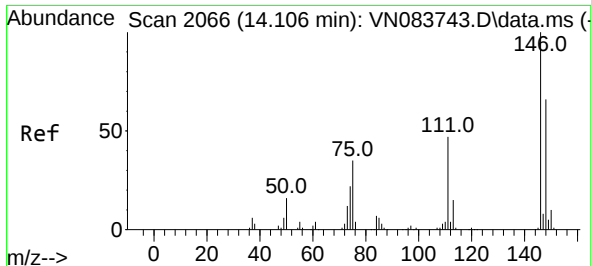
Ion Ratio Lower Upper

91 100

92 46.2 26.7 80.1

134 10.6 12.2 36.4#





#91

1,2-Dichlorobenzene

Concen: 0.239 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. -0.000 min

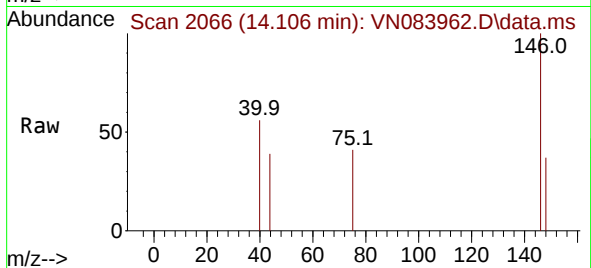
Lab File: VN083962.D

Acq: 18 Sep 2024 05:09

Instrument :

MSVOA_N

ClientSampleId :



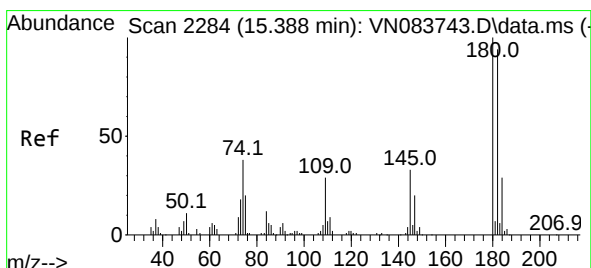
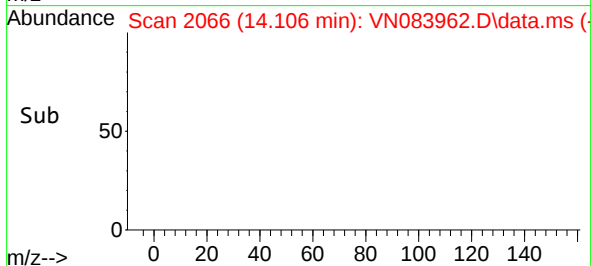
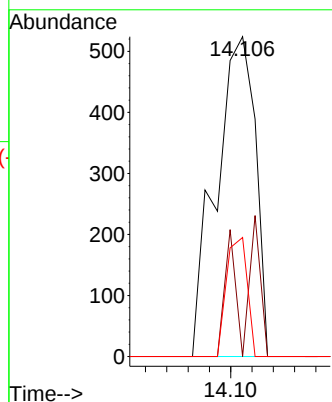
Tgt Ion:146 Resp: 674

Ion Ratio Lower Upper

146 100

111 23.0 22.8 68.3

148 19.6 32.1 96.5#



#93

1,2,4-Trichlorobenzene

Concen: 0.545 ug/l

RT: 15.388 min Scan# 2284

Delta R.T. -0.000 min

Lab File: VN083962.D

Acq: 18 Sep 2024 05:09

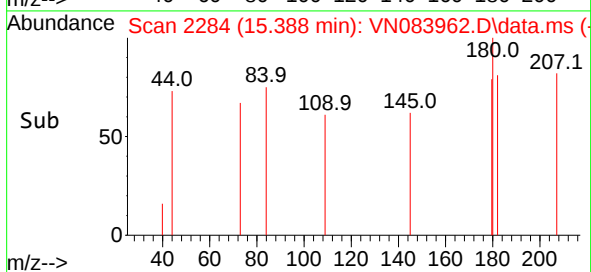
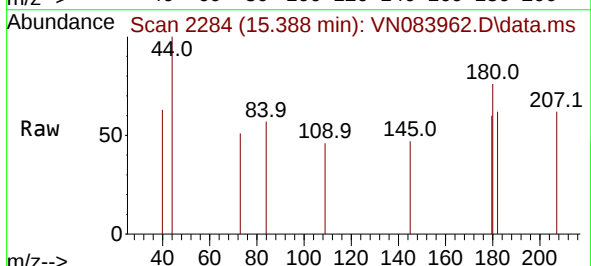
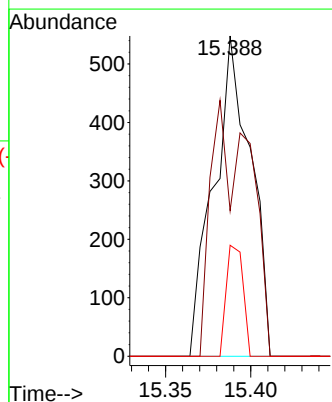
Tgt Ion:180 Resp: 826

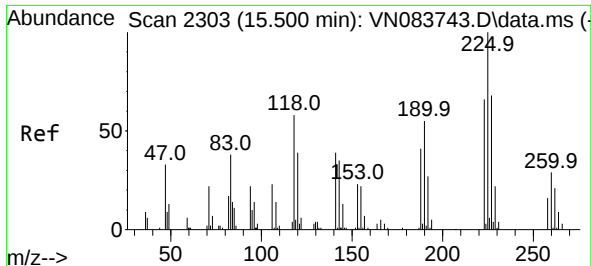
Ion Ratio Lower Upper

180 100

182 42.5 48.1 144.3#

145 15.7 16.9 50.7#

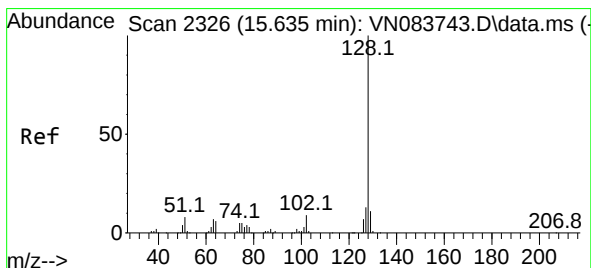
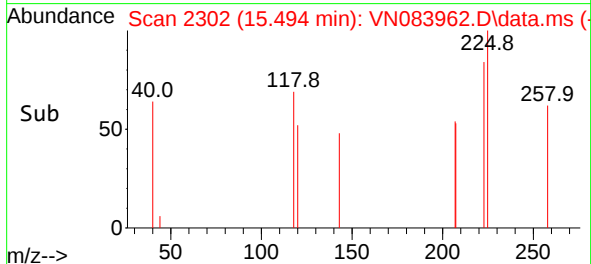
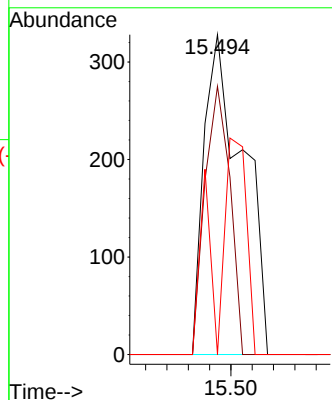
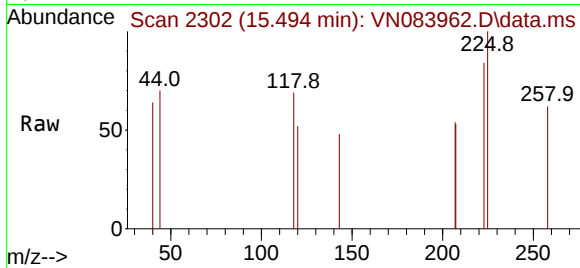




#94
Hexachlorobutadiene
Concen: 0.645 ug/l
RT: 15.494 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN083962.D
Acq: 18 Sep 2024 05:09

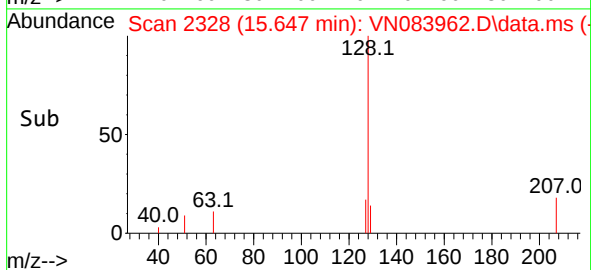
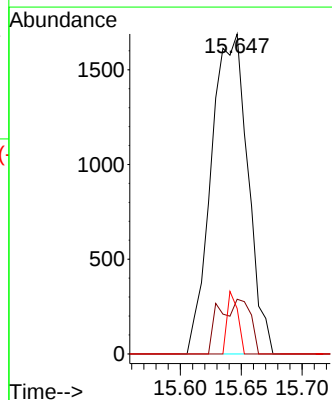
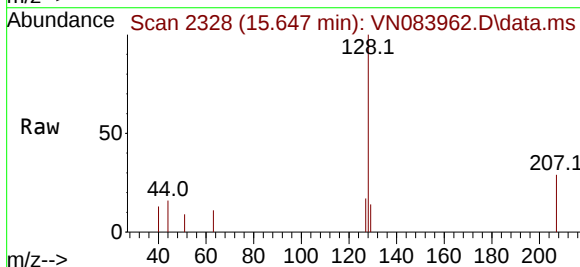
Instrument :
MSVOA_N
ClientSampleId :

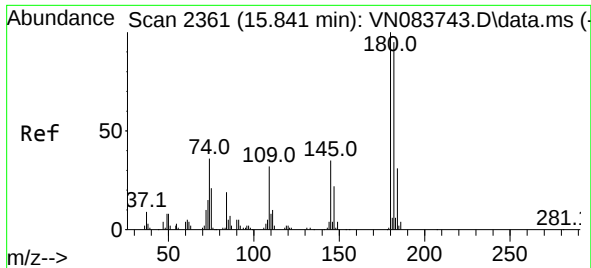
Tgt Ion	Ratio	Lower	Upper
225	100		
223	54.0	31.9	95.5
227	53.3	32.0	96.2



#95
Naphthalene
Concen: 0.764 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.012 min
Lab File: VN083962.D
Acq: 18 Sep 2024 05:09

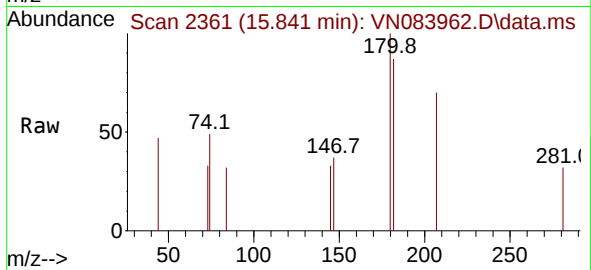
Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.5	10.2	15.2
129	5.7	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.618 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN083962.D
 Acq: 18 Sep 2024 05:09

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	105.5	47.1	141.4
145	6.7	17.8	53.5

