

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103124\
 Data File : VN084618.D
 Acq On : 31 Oct 2024 14:08
 Operator : JC\MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VIBLK

Quant Time: Nov 01 02:41:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 01 02:38:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.806	128	32407	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	173145	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	152051	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	76607	29.404	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.000%
60) 4-Bromofluorobenzene	12.847	95	68530	26.176	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	87.267%
63) Toluene-d8	10.565	98	208685	28.992	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.633%
Target Compounds						
					Qvalue	
16) Carbon Disulfide	4.695	76	12188	2.193	ug/l #	93
40) Dibromomethane	9.706	93	1044	0.719	ug/l	70
41) Bromodichloromethane	9.883	83	863	0.277	ug/l #	93
42) Vinyl Acetate	6.589	43	1394	0.310	ug/l #	71
44) Isopropyl Acetate	8.683	43	1853	0.362	ug/l #	50
45) 1,4-Dioxane	9.712	88	172	5.033	ug/l #	1
47) n-amyl Acetate	12.488	43	1843	0.482	ug/l	90
48) t-1,3-Dichloropropene	10.835	75	4378	1.425	ug/l	97
49) cis-1,3-Dichloropropene	10.306	75	2563	0.778	ug/l #	93
50) 1,1,2-Trichloroethane	11.012	97	520	0.267	ug/l #	81
51) Ethyl methacrylate	10.571	69	821	0.274	ug/l	75
52) 1,3-Dichloropropane	11.153	76	1508	0.446	ug/l	76
53) Dibromochloromethane	11.365	129	1220	0.535	ug/l	89
54) 1,2-Dibromoethane	11.471	107	1581	0.803	ug/l	95
55) 2-Chloroethyl vinyl ether	10.159	63	1976	1.343	ug/l #	90
56) Bromoform	12.576	173	841	0.551	ug/l #	89
58) 4-Methyl-2-Pentanone	10.441	43	1597	0.666	ug/l #	56
59) 2-Hexanone	11.194	43	2747	1.564	ug/l #	81
61) Tetrachloroethene	11.100	164	1744	1.096	ug/l	89
62) Toluene	10.630	91	4835	0.558	ug/l	96
64) Chlorobenzene	11.888	112	8217	1.572	ug/l	93
65) 1,1,1,2-Tetrachloroethane	11.959	131	702	0.365	ug/l	78
66) Ethyl Benzene	11.965	91	7608	0.836	ug/l	96
67) m/p-Xylenes	12.071	106	6437	1.847	ug/l	88
68) o-Xylene	12.400	106	2091	0.622	ug/l	97
69) Styrene	12.412	104	7556	1.341	ug/l	93
70) Isopropylbenzene	12.694	105	6248	0.748	ug/l	91
71) 1,1,2,2-Tetrachloroethane	12.941	83	1286	0.475	ug/l #	80
72) 1,2,3-Trichloropropane	12.982	75	2252	0.974	ug/l	1
73) Bromobenzene	12.976	156	4289	1.992	ug/l	87
74) n-propylbenzene	13.035	91	13104	1.342	ug/l	98
75) 2-Chlorotoluene	13.123	91	8203	1.290	ug/l	100
76) 1,3,5-Trimethylbenzene	13.171	105	6086	0.853	ug/l	92
77) t-1,4-Dichloro-2-butene	12.735	75	800	0.844	ug/l	86
78) 4-Chlorotoluene	13.218	91	14028	2.184	ug/l	97
79) tert-butylbenzene	13.435	119	4301	0.729	ug/l	92
80) 1,2,4-Trimethylbenzene	13.482	105	6845	0.951	ug/l	98
81) sec-Butylbenzene	13.612	105	9474	1.165	ug/l	98
82) p-Isopropyltoluene	13.729	119	8698	1.273	ug/l	96

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Response via : Initial Calibration

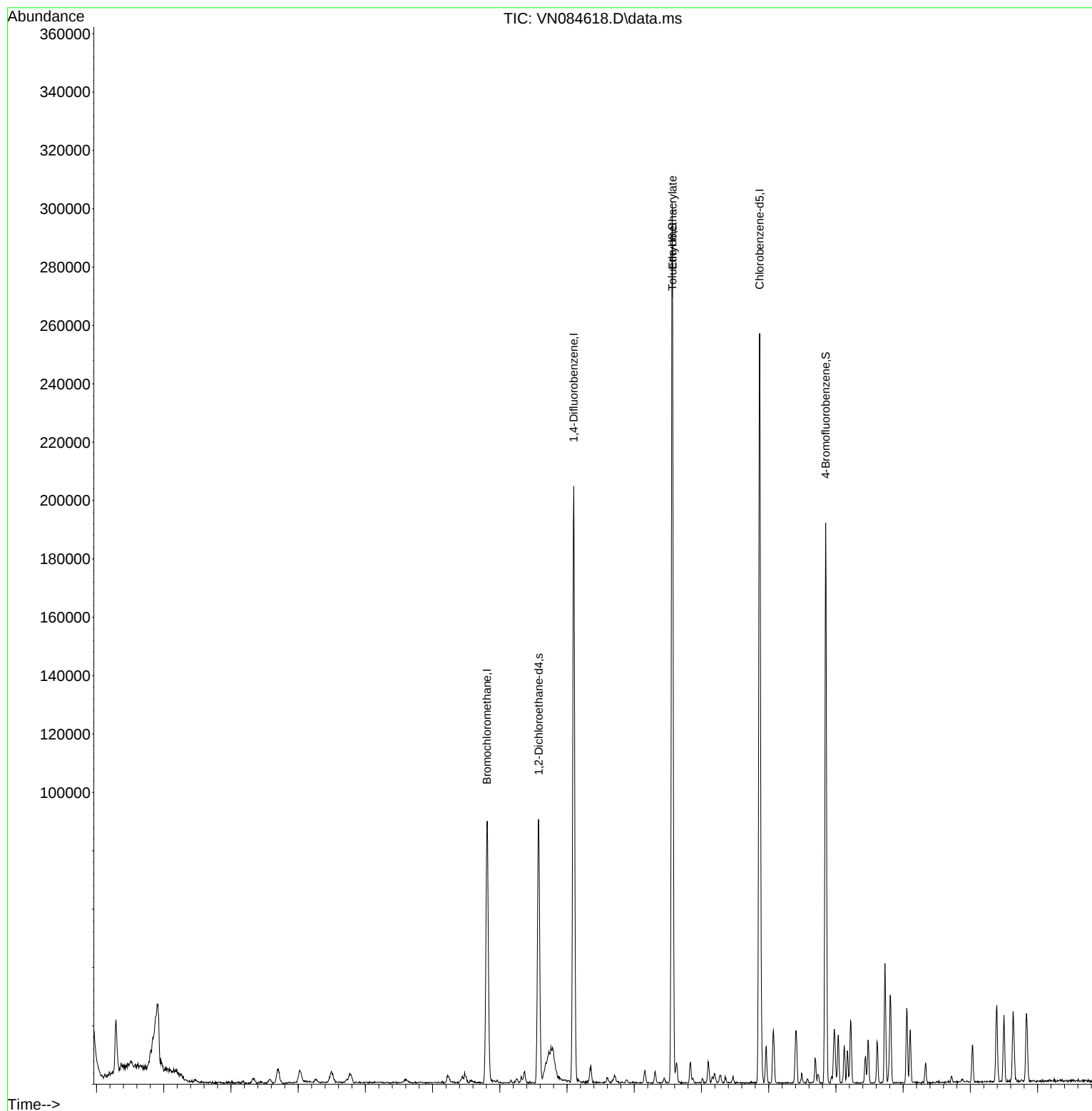
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) 1,3-Dichlorobenzene	13.735	146	10696	2.686	ug/l	96
84) 1,4-Dichlorobenzene	13.812	146	13085	3.325	ug/l	98
85) n-Butylbenzene	14.059	91	14609	2.546	ug/l	97
86) Hexachloroethane	14.323	117	578	0.414	ug/l #	15
87) 1,2-Dichlorobenzene	14.106	146	7065	1.800	ug/l	94
88) 1,2-Dibromo-3-Chloropr...	14.723	75	873	1.672	ug/l #	67
89) 1,2,4-Trichlorobenzene	15.841	180	9046	4.734	ug/l	92
90) Hexachlorobutadiene	15.500	225	4075	4.882	ug/l	94
91) Naphthalene	15.635	128	22853	3.745	ug/l	100
92) 1,2,3-Trichlorobenzene	15.841	180	9046	4.734	ug/l	92

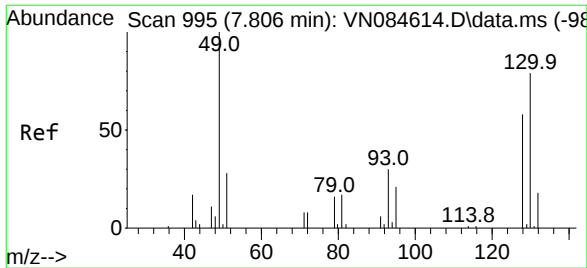
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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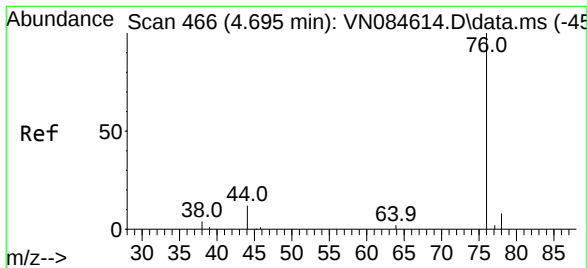
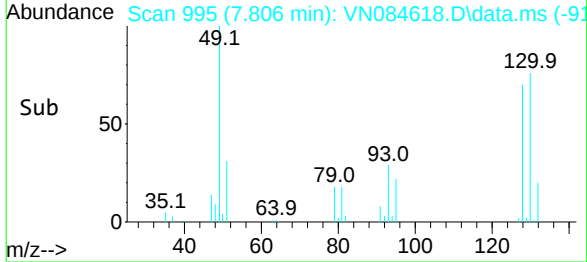
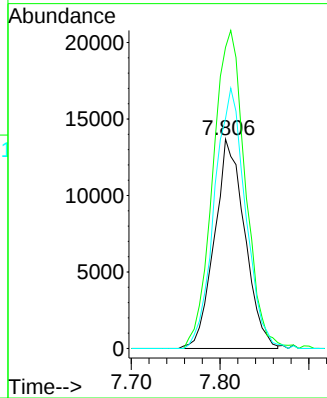
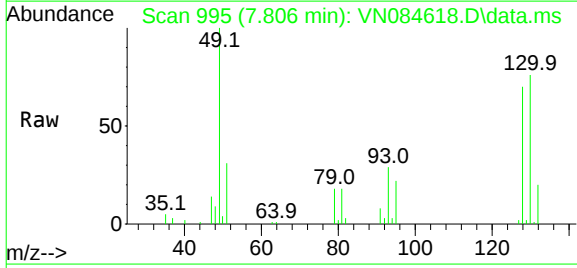




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.806 min Scan# 995
Delta R.T. 0.000 min
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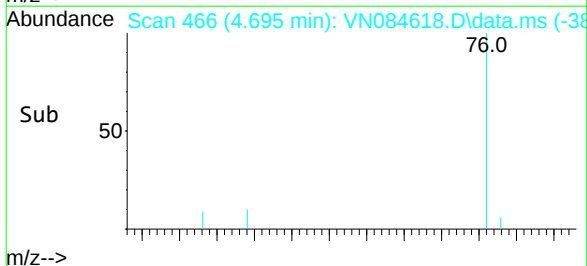
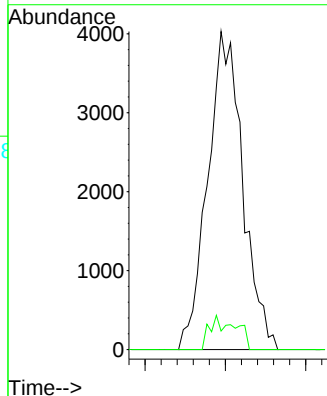
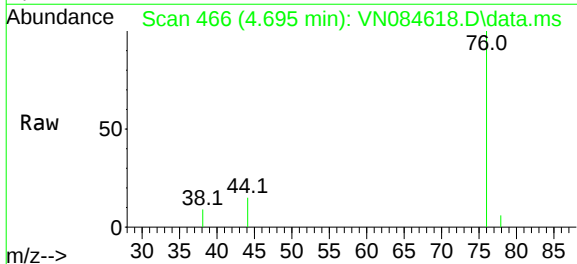
Instrument :
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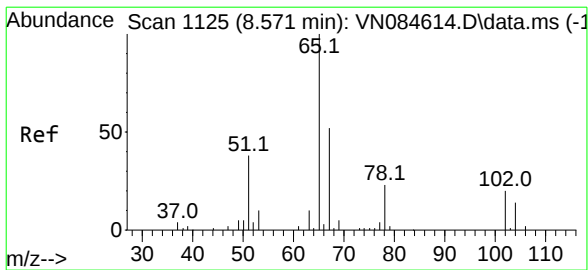
Tgt Ion	Ratio	Lower	Upper
128	100		
49	162.0	0.0	427.0
130	127.8	0.0	322.2



#16
Carbon Disulfide
Concen: 2.193 ug/l
RT: 4.695 min Scan# 466
Delta R.T. 0.000 min
Lab File: VN084618.D
Acq: 31 Oct 2024 14:08

Tgt Ion	Ratio	Lower	Upper
76	100		
78	5.8	6.6	9.8#

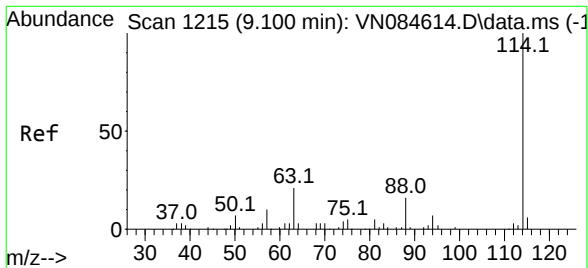
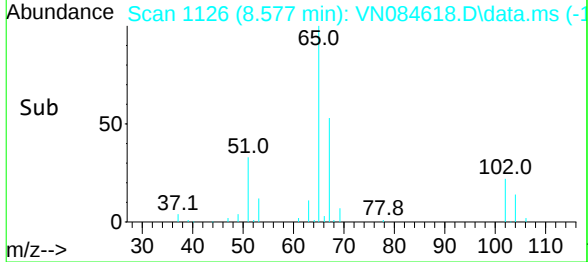
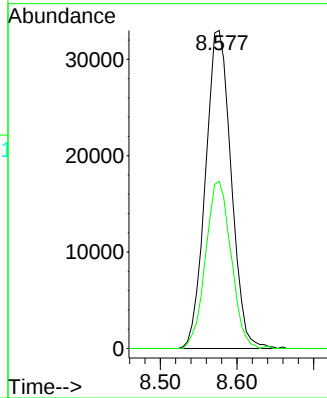
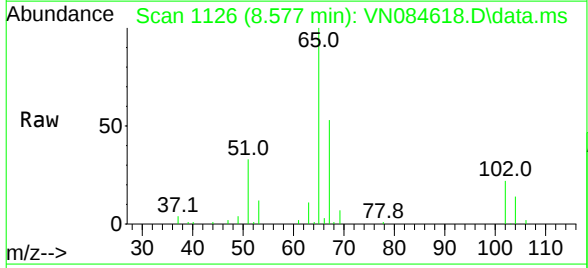




#27
1,2-Dichloroethane-d4
Concen: 29.404 ug/l
RT: 8.577 min Scan# 1125
Delta R.T. 0.006 min
Lab File: VN084618.D
Acq: 31 Oct 2024 14:08

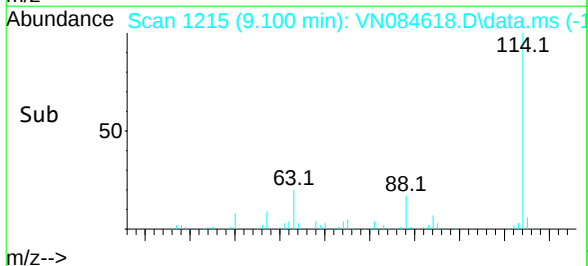
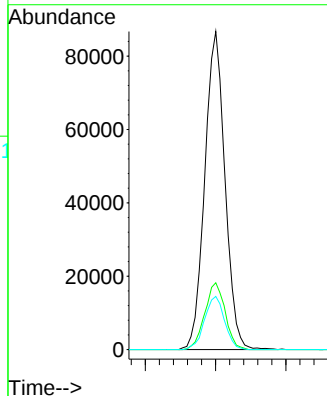
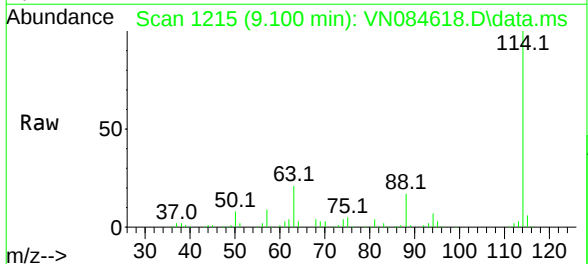
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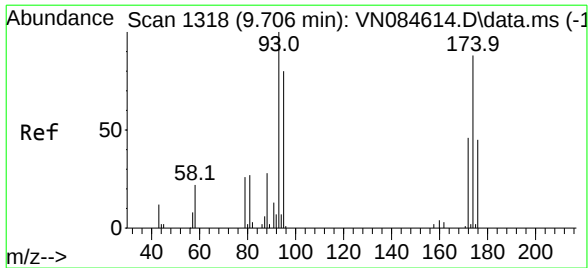
Tgt Ion: 65 Resp: 76607
Ion Ratio Lower Upper
65 100
67 52.2 40.7 61.1



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084618.D
Acq: 31 Oct 2024 14:08

Tgt Ion: 114 Resp: 173145
Ion Ratio Lower Upper
114 100
63 21.2 16.8 25.2
88 16.6 12.9 19.3

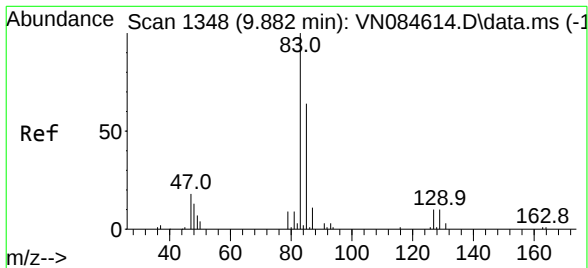
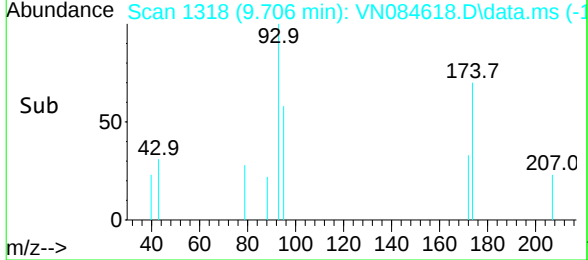
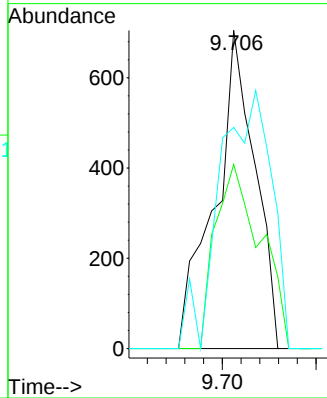
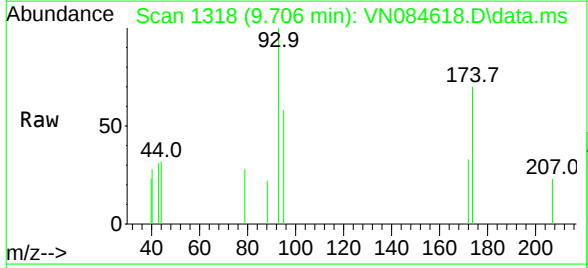




#40
Dibromomethane
Concen: 0.719 ug/l
RT: 9.706 min Scan# 1318
Delta R.T. 0.000 min
Lab File: VN084618.D
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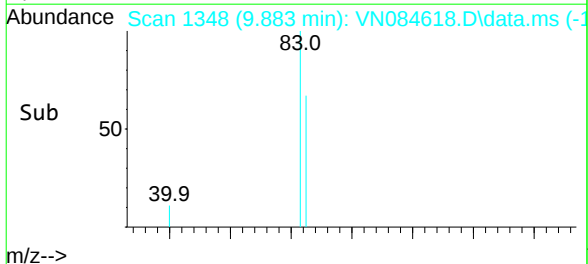
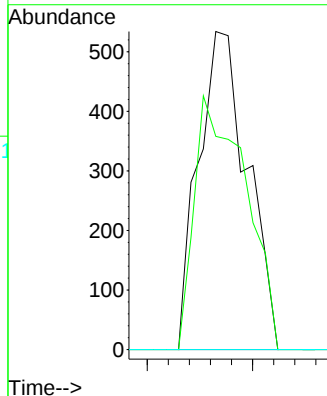
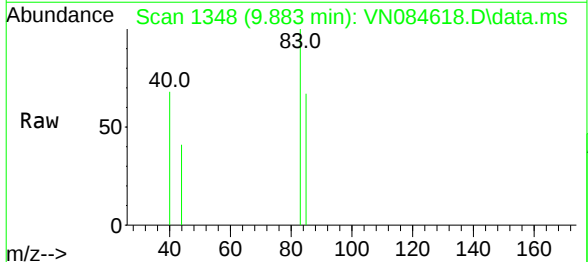
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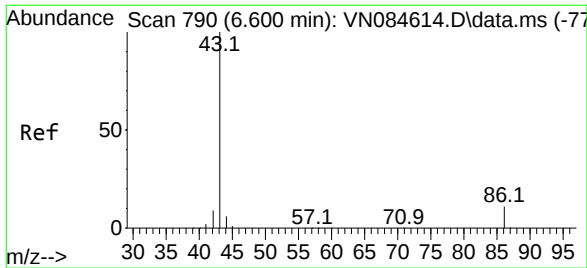
Tgt Ion: 93	Resp: 1044
Ion Ratio	Lower Upper
93 100	
95 65.5	0.0 168.4
174 55.6	0.0 183.4



#41
Bromodichloromethane
Concen: 0.277 ug/l
RT: 9.883 min Scan# 1348
Delta R.T. 0.000 min
Lab File: VN084618.D
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Tgt Ion: 83	Resp: 863
Ion Ratio	Lower Upper
83 100	
85 67.0	51.0 76.6
127 0.0	7.8 11.6#

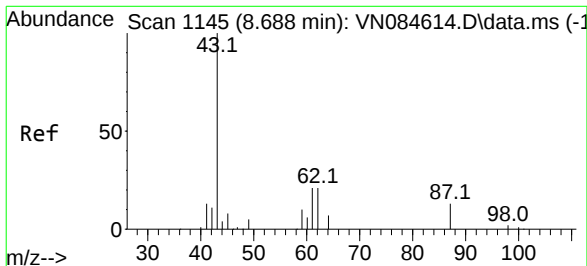
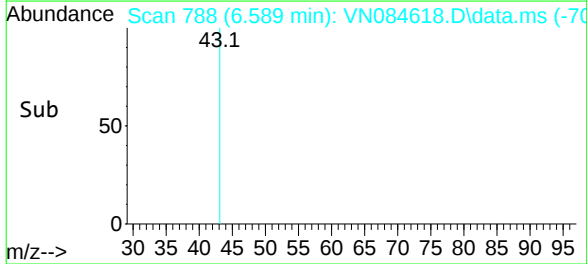
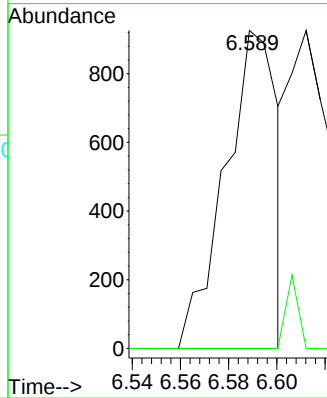
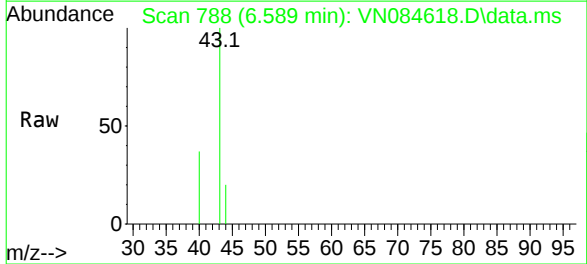




#42
 Vinyl Acetate
 Concen: 0.310 ug/l
 RT: 6.589 min Scan# 78
 Delta R.T. -0.012 min
 Lab File: VN084618.D
 Acq: 31 Oct 2024 14:08

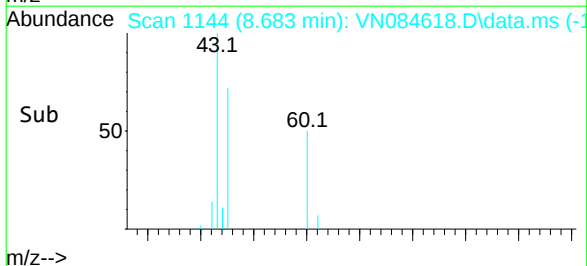
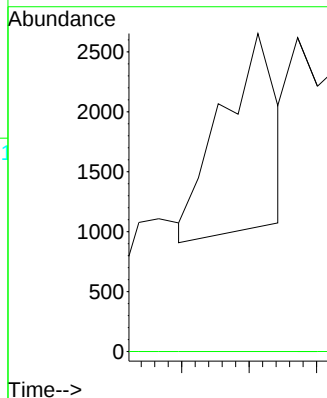
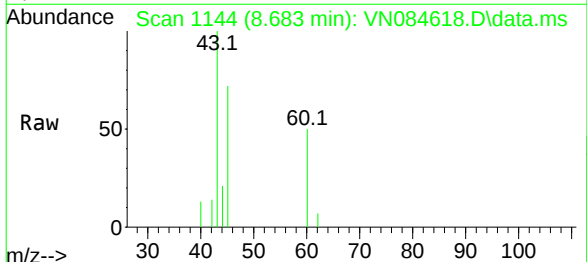
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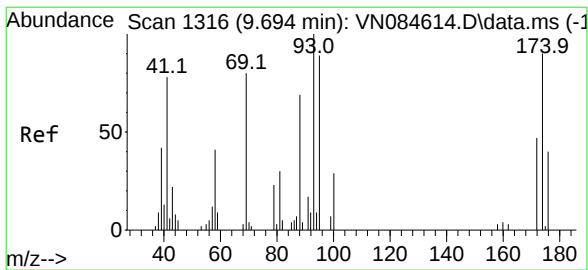
Tgt Ion: 43 Resp: 1394
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#44
 Isopropyl Acetate
 Concen: 0.362 ug/l
 RT: 8.683 min Scan# 1144
 Delta R.T. -0.006 min
 Lab File: VN084618.D
 Acq: 31 Oct 2024 14:08

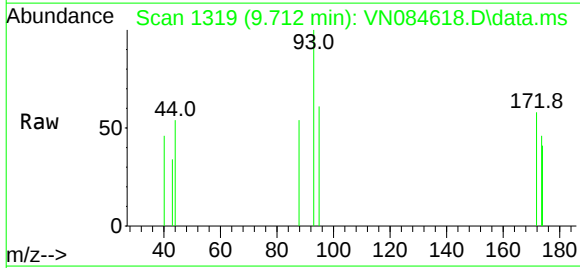
Tgt Ion: 43 Resp: 1853
 Ion Ratio Lower Upper
 43 100
 61 0.0 19.8 29.8#



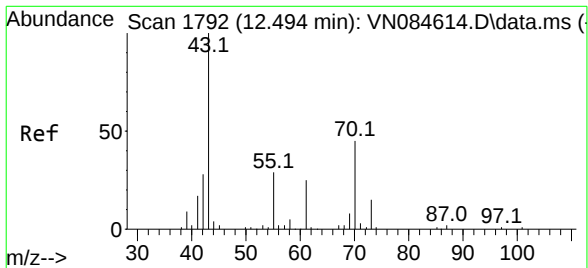
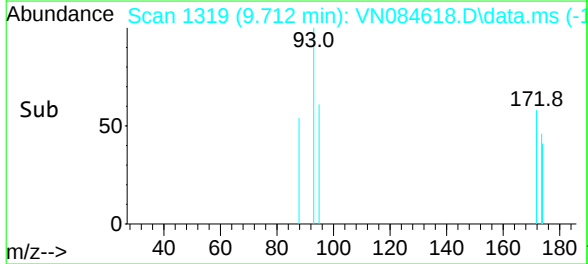
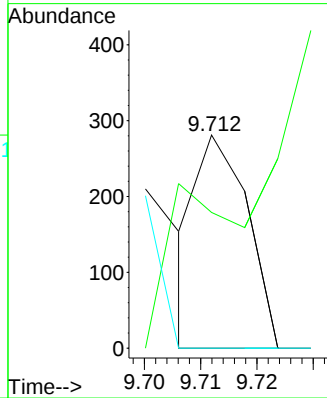


#45
1,4-Dioxane
Concen: 5.033 ug/l
RT: 9.712 min Scan# 1316
Delta R.T. 0.018 min
Lab File: VN084618.D
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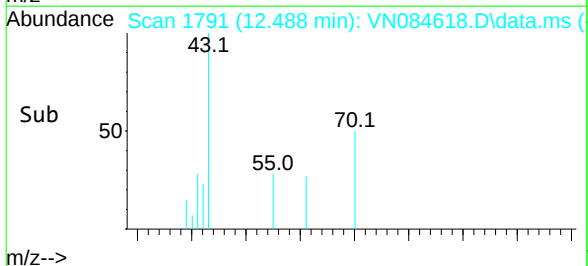
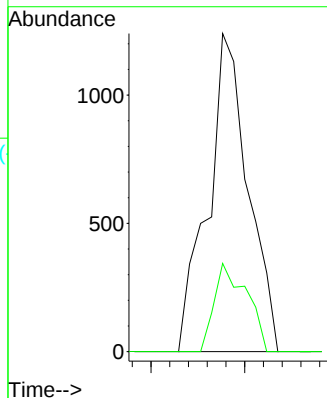
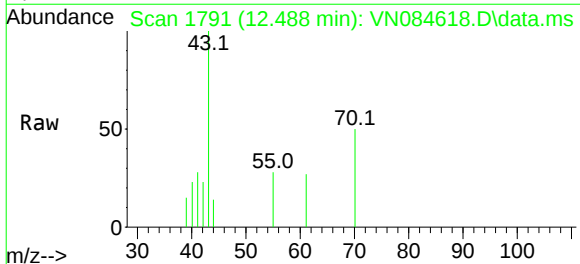


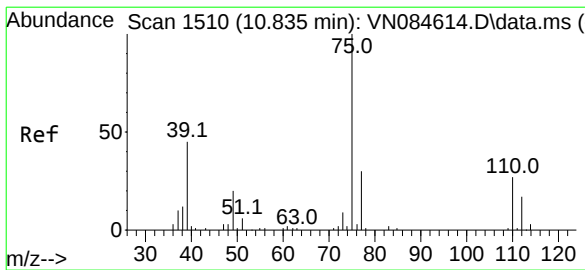
Tgt Ion: 88 Resp: 172
Ion Ratio Lower Upper
88 100
43 114.0 20.8 31.2#
58 0.0 53.4 80.2#



#47
n-amyI Acetate
Concen: 0.482 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN084618.D
Acq: 31 Oct 2024 14:08

Tgt Ion: 43 Resp: 1843
Ion Ratio Lower Upper
43 100
55 22.5 22.0 33.0

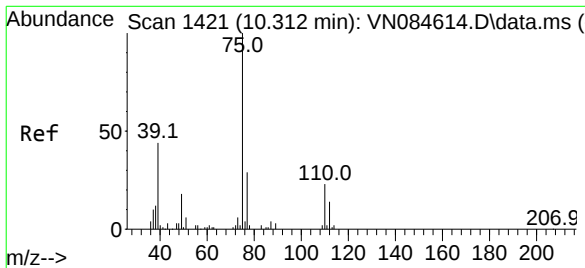
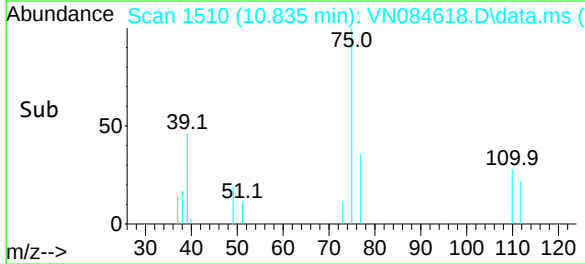
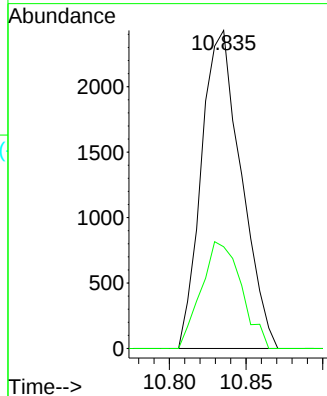
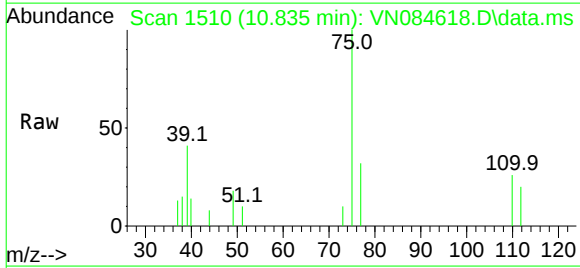




#48
t-1,3-Dichloropropene
Concen: 1.425 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN084618.D
Acq: 31 Oct 2024 14:08

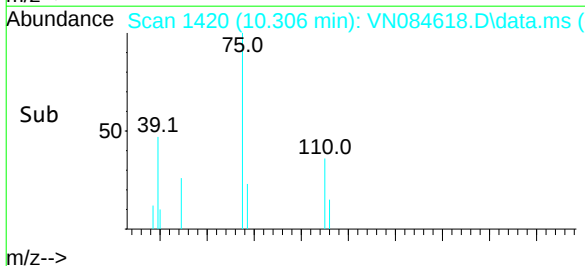
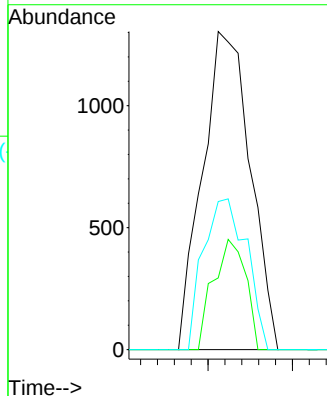
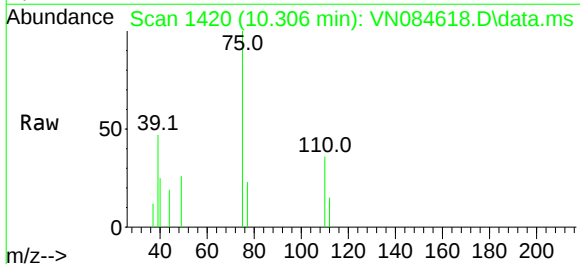
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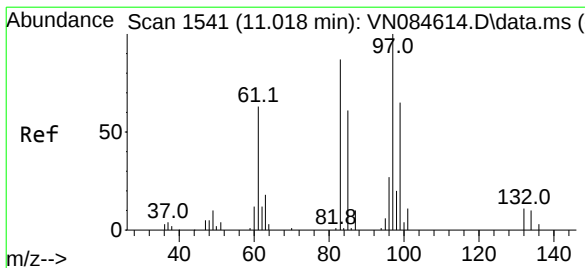
Tgt Ion: 75 Resp: 4378
Ion Ratio Lower Upper
75 100
77 32.0 24.4 36.6



#49
cis-1,3-Dichloropropene
Concen: 0.778 ug/l
RT: 10.306 min Scan# 1420
Delta R.T. -0.006 min
Lab File: VN084618.D
Acq: 31 Oct 2024 14:08

Tgt Ion: 75 Resp: 2563
Ion Ratio Lower Upper
75 100
77 22.5 23.4 35.2#
39 46.5 35.4 53.2





#50

1,1,2-Trichloroethane

Concen: 0.267 ug/l

RT: 11.012 min Scan# 15

Delta R.T. -0.006 min

Lab File: VN084618.D

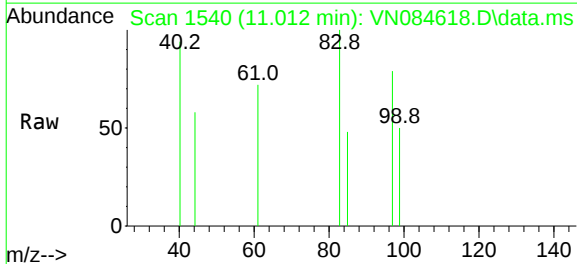
Acq: 31 Oct 2024 14:08

Instrument :

MSVOA_N

ClientSampleId :

VIBLK



Tgt Ion: 97 Resp: 520

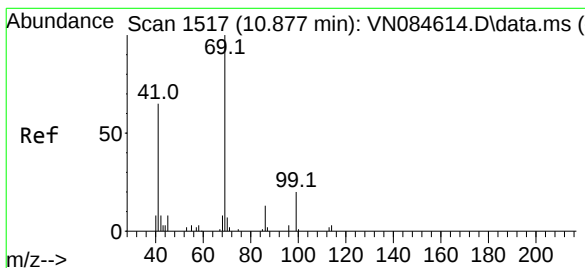
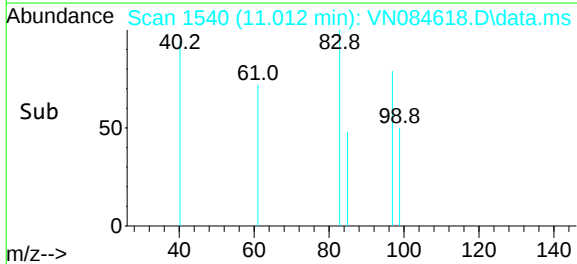
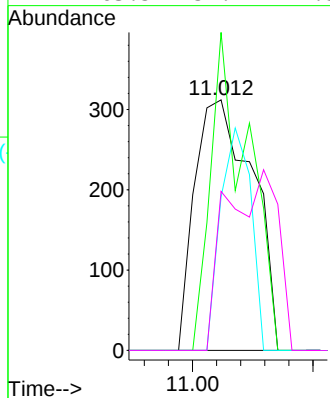
Ion Ratio Lower Upper

97 100

83 126.9 69.8 104.8#

85 61.2 48.6 73.0

99 63.5 52.9 79.3



#51

Ethyl methacrylate

Concen: 0.274 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.306 min

Lab File: VN084618.D

Acq: 31 Oct 2024 14:08

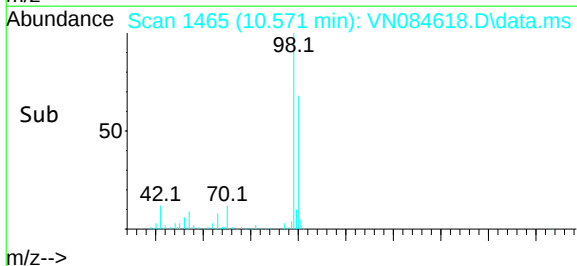
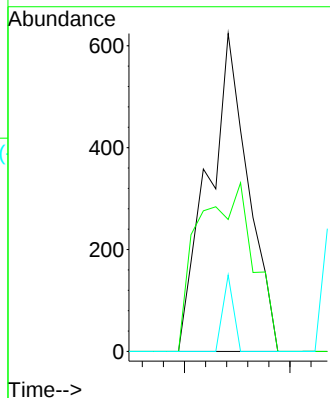
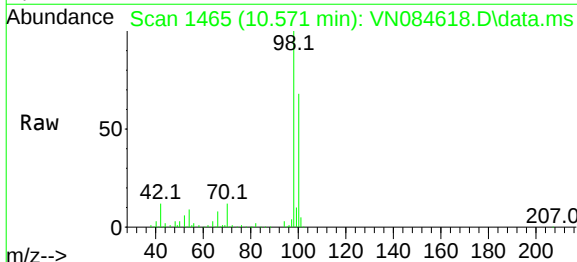
Tgt Ion: 69 Resp: 821

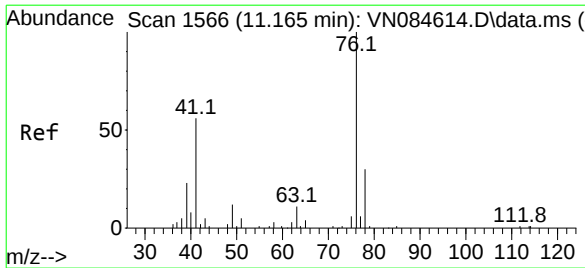
Ion Ratio Lower Upper

69 100

41 41.5 32.8 98.3

39 24.0 15.4 46.1





#52

1,3-Dichloropropane

Concen: 0.446 ug/l

RT: 11.153 min Scan# 15

Delta R.T. -0.012 min

Lab File: VN084618.D

Acq: 31 Oct 2024 14:08

Instrument :

MSVOA_N

ClientSampleId :

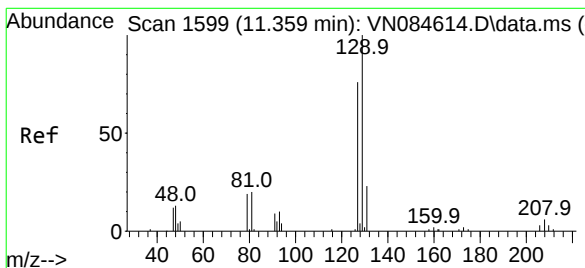
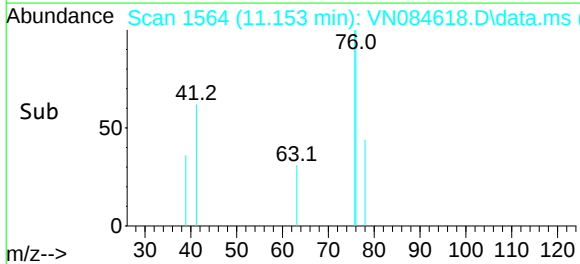
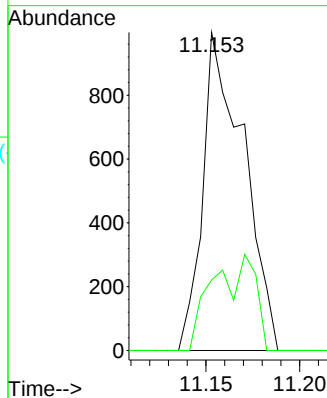
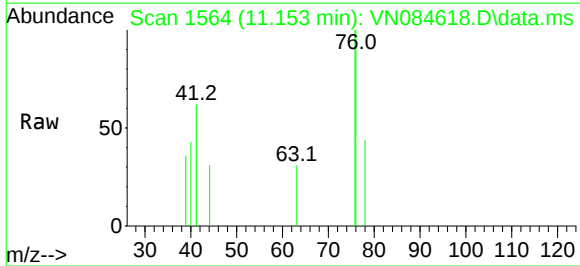
VIBLK

Tgt Ion: 76 Resp: 1508

Ion Ratio Lower Upper

76 100

78 18.6 0.0 64.0



#53

Dibromochloromethane

Concen: 0.535 ug/l

RT: 11.365 min Scan# 1600

Delta R.T. 0.006 min

Lab File: VN084618.D

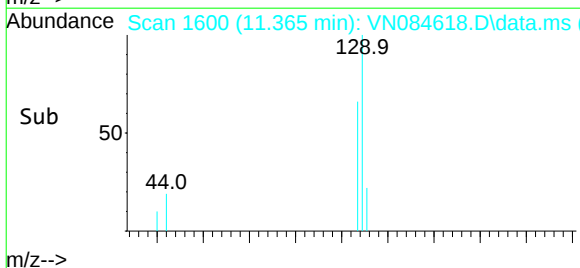
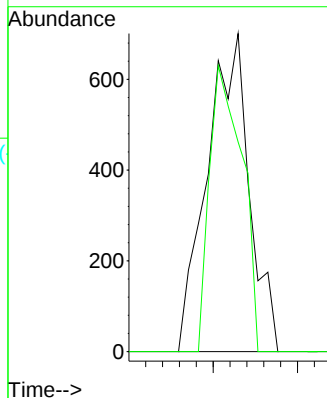
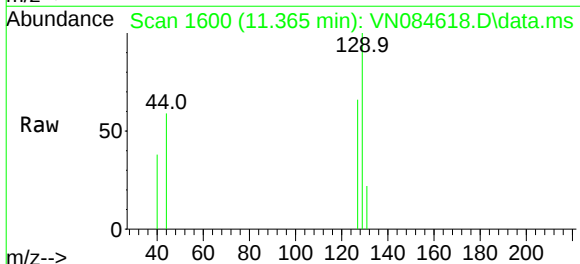
Acq: 31 Oct 2024 14:08

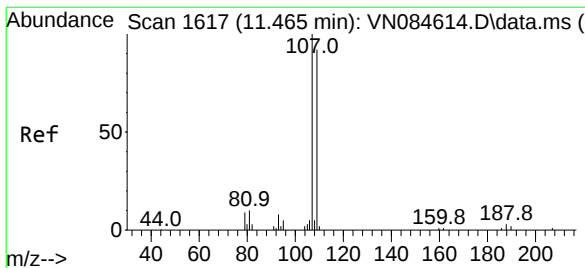
Tgt Ion: 129 Resp: 1220

Ion Ratio Lower Upper

129 100

127 69.3 39.6 119.0





#54

1,2-Dibromoethane

Concen: 0.803 ug/l

RT: 11.471 min Scan# 1617

Delta R.T. 0.006 min

Lab File: VN084618.D

Acq: 31 Oct 2024 14:08

Instrument :

MSVOA_N

ClientSampleId :

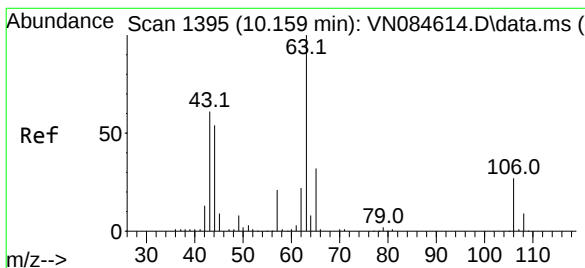
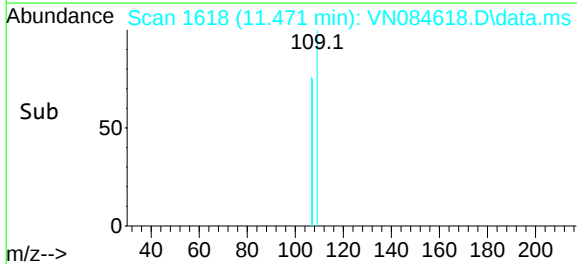
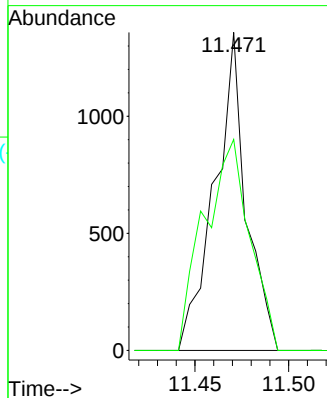
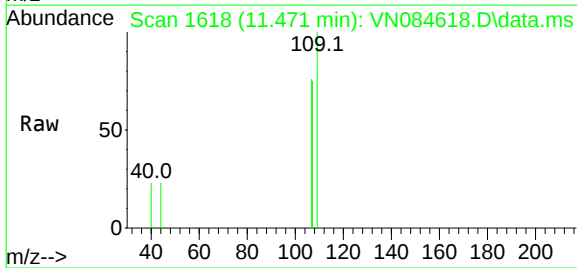
VIBLK

Tgt Ion:107 Resp: 1581

Ion Ratio Lower Upper

107 100

109 96.5 73.4 110.0



#55

2-Chloroethyl vinyl ether

Concen: 1.343 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VN084618.D

Acq: 31 Oct 2024 14:08

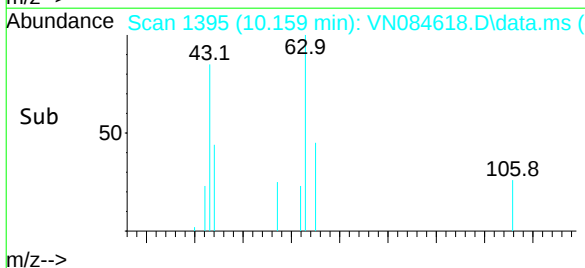
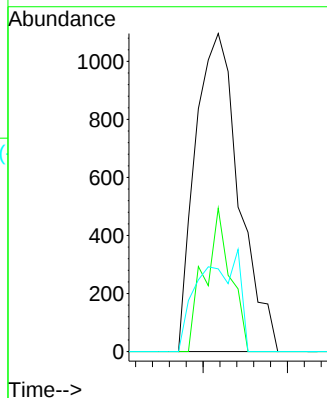
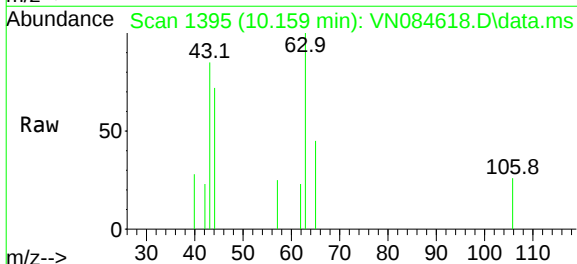
Tgt Ion: 63 Resp: 1976

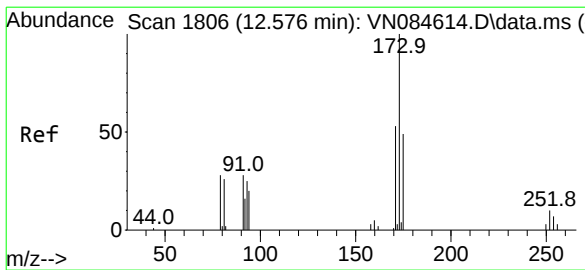
Ion Ratio Lower Upper

63 100

65 26.7 25.5 38.3

106 22.0 22.3 33.5#





#56

Bromoform

Concen: 0.551 ug/l

RT: 12.576 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VN084618.D

Acq: 31 Oct 2024 14:08

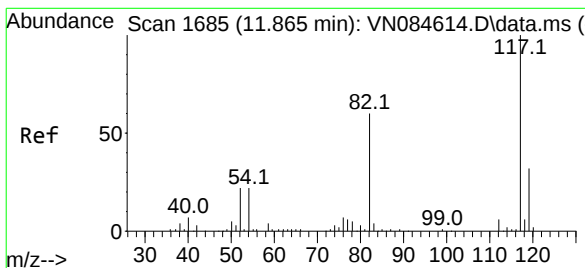
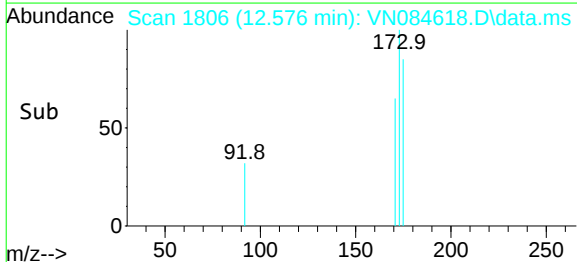
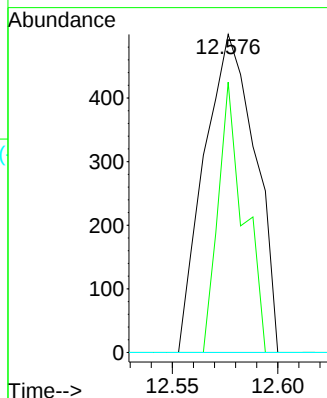
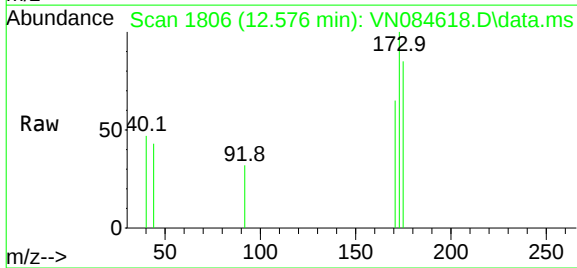
Instrument :

MSVOA_N

ClientSampleId :

VIBLK

Tgt Ion:	173	Resp:	841
Ion	Ratio	Lower	Upper
173	100		
175	43.0	39.4	59.2
254	0.0	6.4	9.6



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

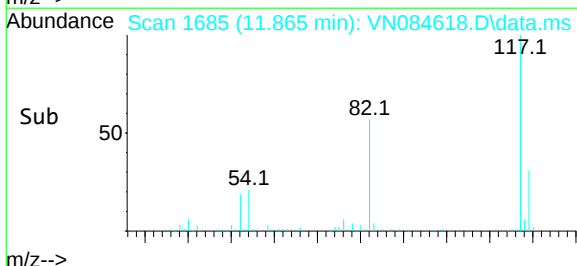
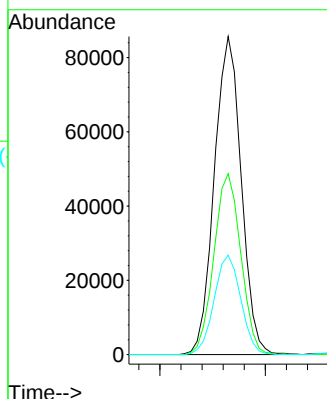
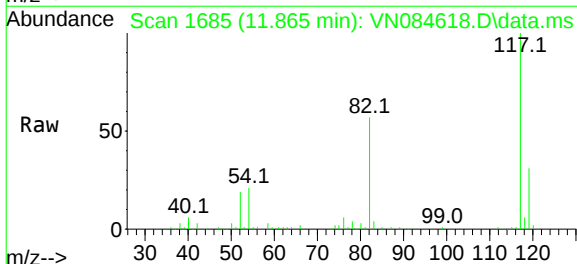
RT: 11.865 min Scan# 1685

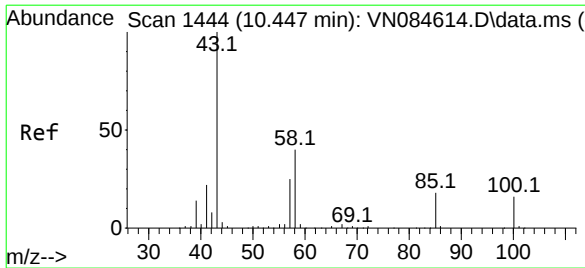
Delta R.T. 0.000 min

Lab File: VN084618.D

Acq: 31 Oct 2024 14:08

Tgt Ion:	117	Resp:	152051
Ion	Ratio	Lower	Upper
117	100		
82	56.8	45.5	68.3
119	30.9	25.3	37.9





#58

4-Methyl-2-Pentanone

Concen: 0.666 ug/l

RT: 10.441 min Scan# 1444

Delta R.T. -0.006 min

Lab File: VN084618.D

Acq: 31 Oct 2024 14:08

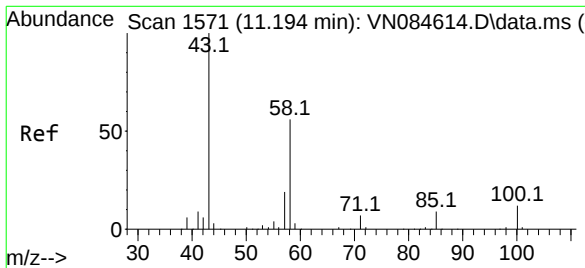
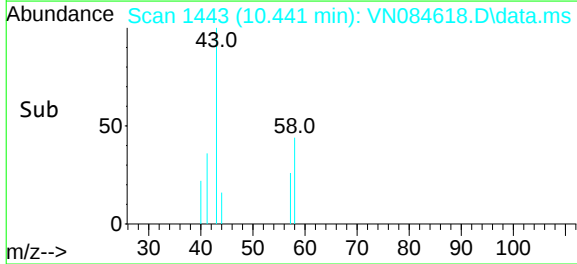
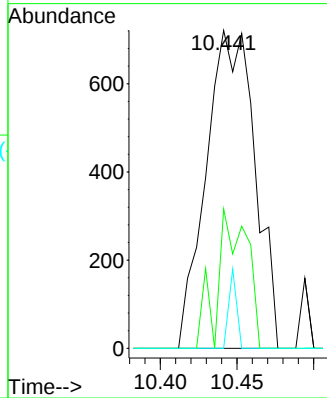
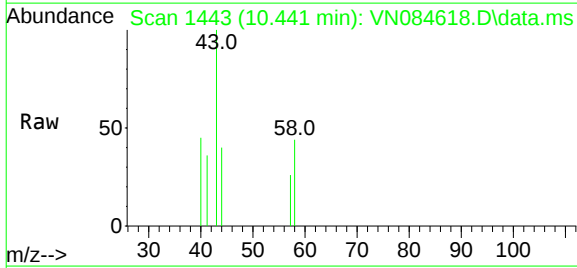
Instrument :

MSVOA_N

ClientSampleId :

VIBLK

Tgt	Ion: 43	Resp:	1597
Ion	Ratio	Lower	Upper
43	100		
58	11.7	31.2	46.8#
85	0.0	14.9	22.3#



#59

2-Hexanone

Concen: 1.564 ug/l

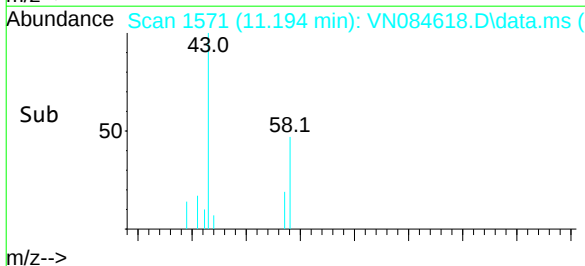
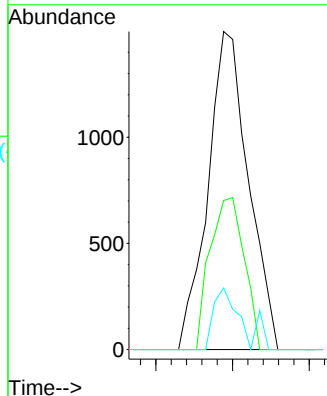
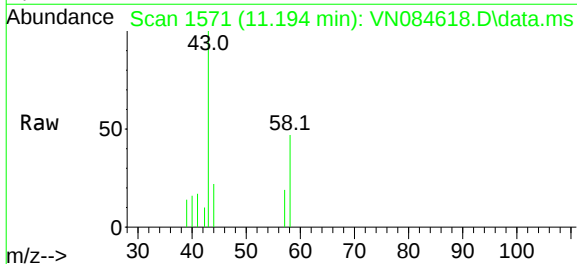
RT: 11.194 min Scan# 1571

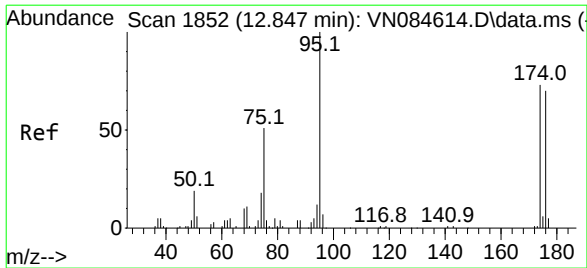
Delta R.T. 0.000 min

Lab File: VN084618.D

Acq: 31 Oct 2024 14:08

Tgt	Ion: 43	Resp:	2747
Ion	Ratio	Lower	Upper
43	100		
58	40.4	43.8	65.6#
57	11.0	15.0	22.6#





#60

4-Bromofluorobenzene

Concen: 26.176 ug/l

RT: 12.847 min Scan# 18

Delta R.T. 0.000 min

Lab File: VN084618.D

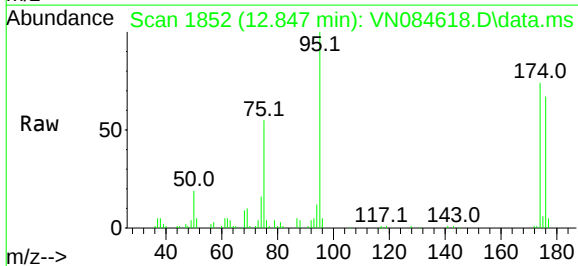
Acq: 31 Oct 2024 14:08

Instrument :

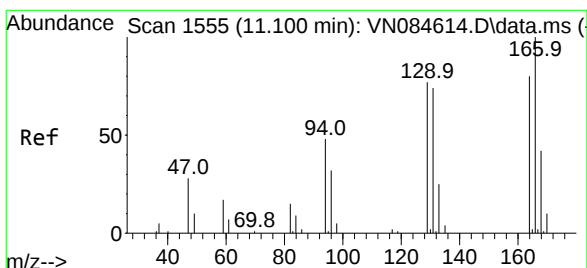
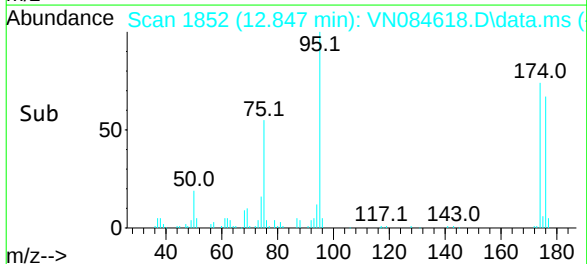
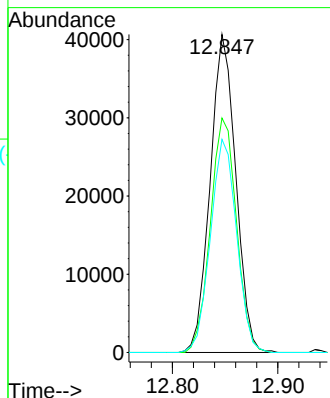
MSVOA_N

ClientSampleId :

VIBLK



Tgt Ion:	95	Resp:	68530
Ion	Ratio	Lower	Upper
95	100		
174	75.3	59.6	89.4
176	68.7	58.6	88.0



#61

Tetrachloroethene

Concen: 1.096 ug/l

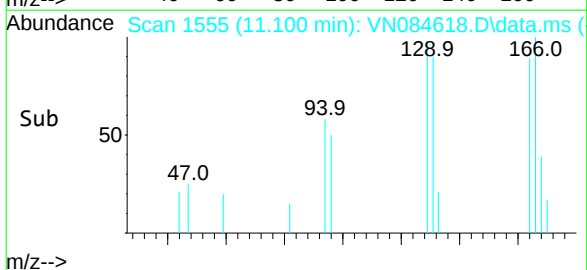
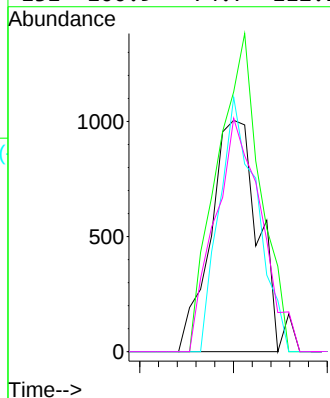
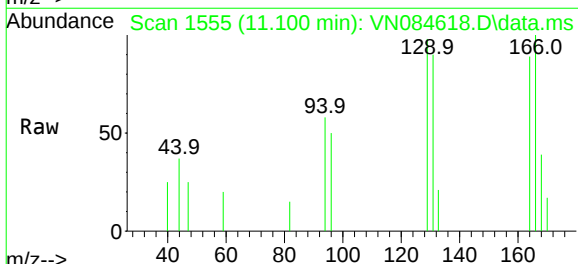
RT: 11.100 min Scan# 1555

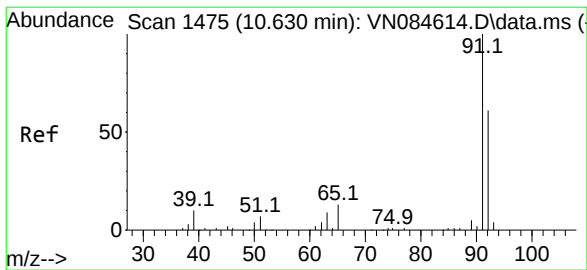
Delta R.T. 0.000 min

Lab File: VN084618.D

Acq: 31 Oct 2024 14:08

Tgt Ion:	164	Resp:	1744
Ion	Ratio	Lower	Upper
164	100		
166	112.3	100.5	150.7
129	110.0	77.7	116.5
131	100.9	74.7	112.1





#62

Toluene

Concen: 0.558 ug/l

RT: 10.630 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VN084618.D

Acq: 31 Oct 2024 14:08

Instrument :

MSVOA_N

ClientSampleId :

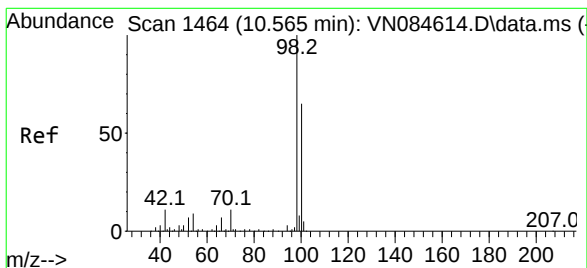
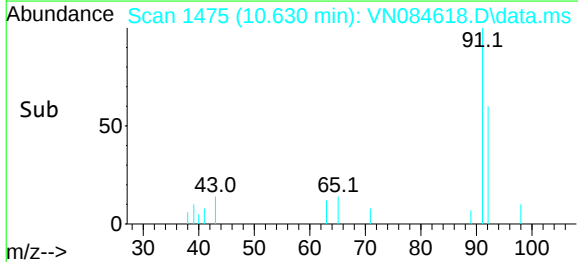
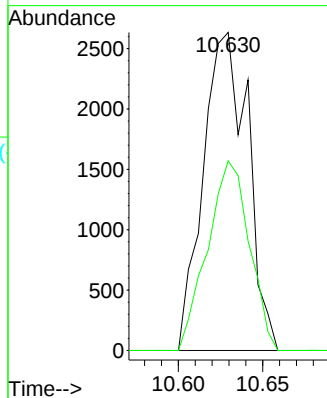
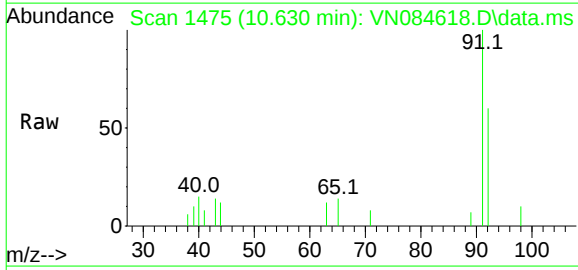
VIBLK

Tgt Ion: 91 Resp: 4835

Ion Ratio Lower Upper

91 100

92 56.1 47.5 71.3



#63

Toluene-d8

Concen: 28.992 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN084618.D

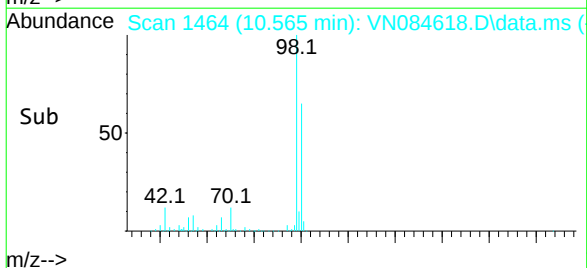
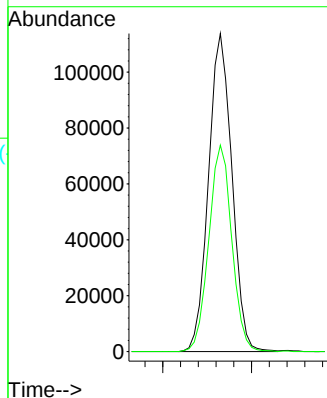
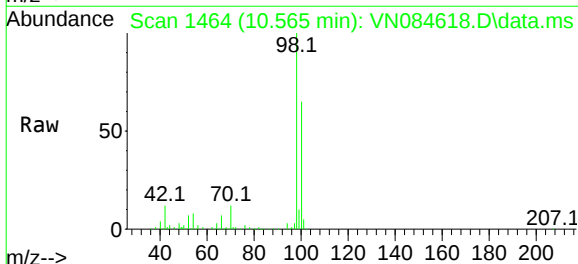
Acq: 31 Oct 2024 14:08

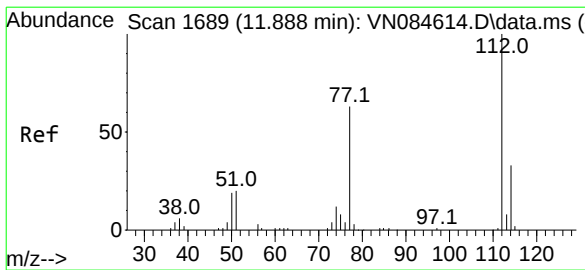
Tgt Ion: 98 Resp: 208685

Ion Ratio Lower Upper

98 100

100 63.7 52.2 78.2





#64

Chlorobenzene

Concen: 1.572 ug/l

RT: 11.888 min Scan# 1689

Delta R.T. 0.000 min

Lab File: VN084618.D

Acq: 31 Oct 2024 14:08

Instrument :

MSVOA_N

ClientSampleId :

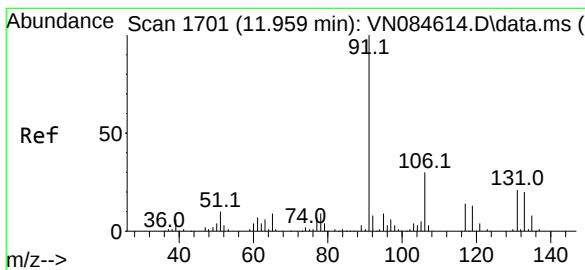
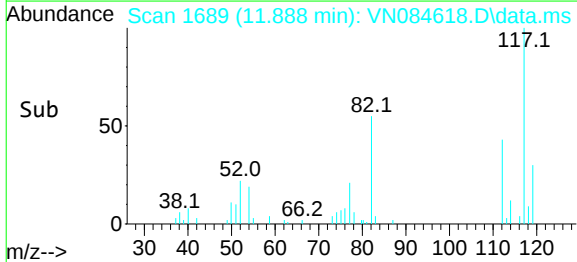
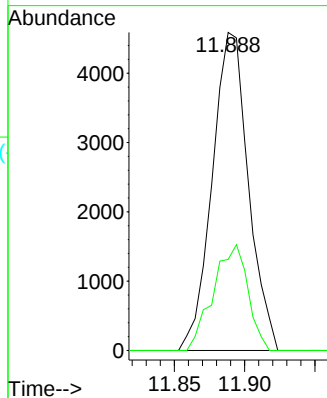
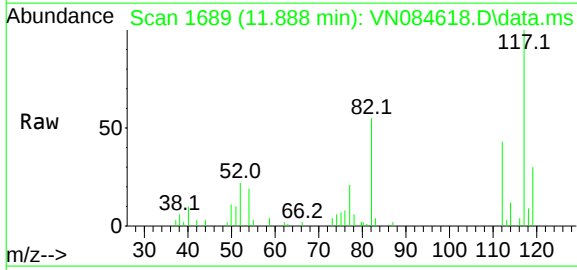
VIBLK

Tgt Ion:112 Resp: 8217

Ion Ratio Lower Upper

112 100

114 28.6 26.2 39.4



#65

1,1,1,2-Tetrachloroethane

Concen: 0.365 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VN084618.D

Acq: 31 Oct 2024 14:08

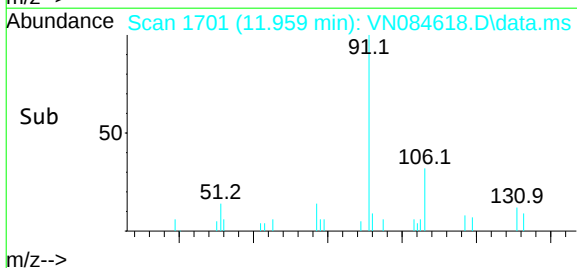
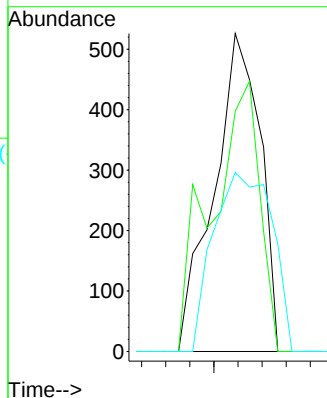
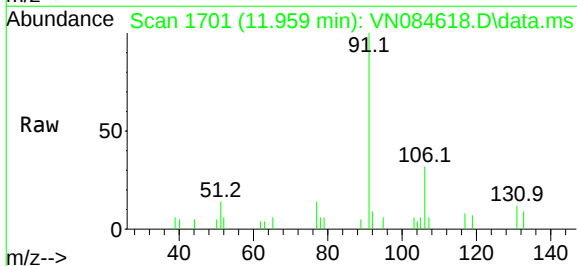
Tgt Ion:131 Resp: 702

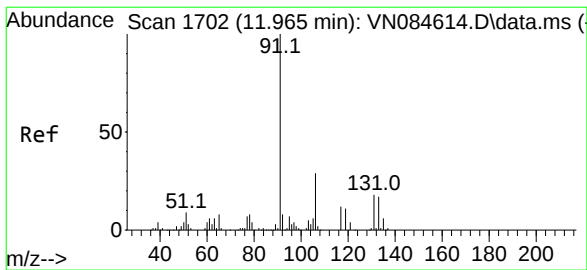
Ion Ratio Lower Upper

131 100

133 64.1 0.0 189.2

119 71.7 0.0 129.4





#66

Ethyl Benzene

Concen: 0.836 ug/l

RT: 11.965 min Scan# 17

Delta R.T. 0.000 min

Lab File: VN084618.D

Acq: 31 Oct 2024 14:08

Instrument :

MSVOA_N

ClientSampleId :

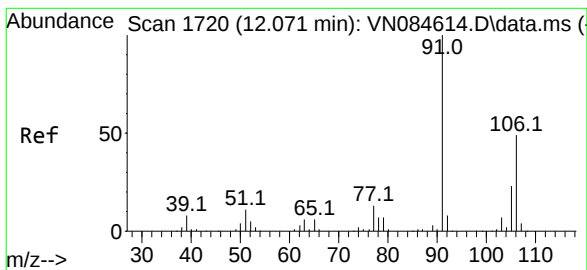
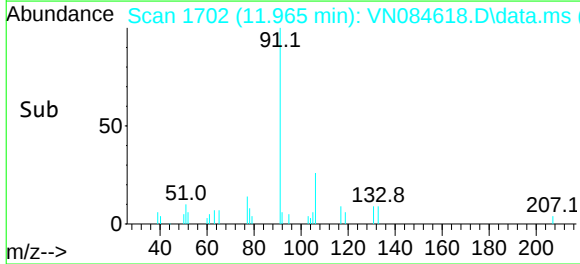
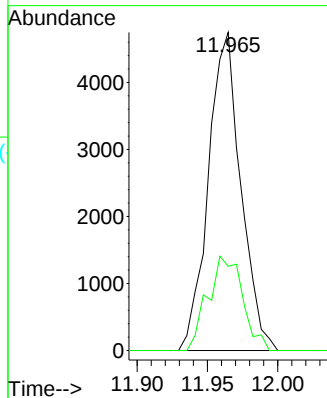
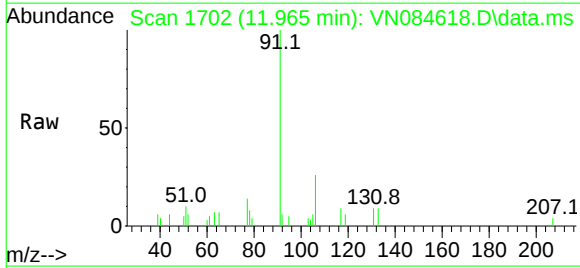
VIBLK

Tgt Ion: 91 Resp: 7608

Ion Ratio Lower Upper

91 100

106 26.5 22.9 34.3



#67

m/p-Xylenes

Concen: 1.847 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. 0.000 min

Lab File: VN084618.D

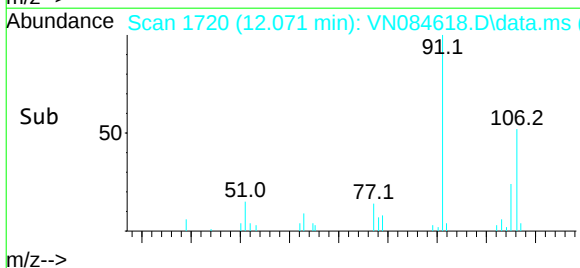
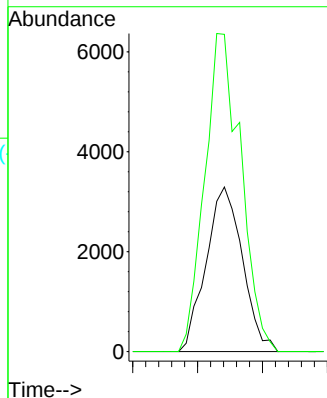
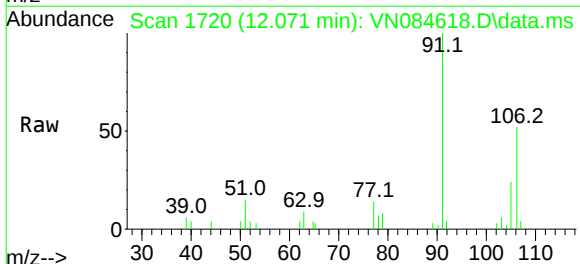
Acq: 31 Oct 2024 14:08

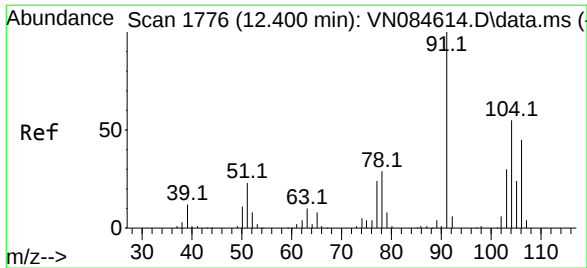
Tgt Ion: 106 Resp: 6437

Ion Ratio Lower Upper

106 100

91 191.4 168.1 252.1





#68

o-Xylene

Concen: 0.622 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. 0.000 min

Lab File: VN084618.D

Acq: 31 Oct 2024 14:08

Instrument :

MSVOA_N

ClientSampleId :

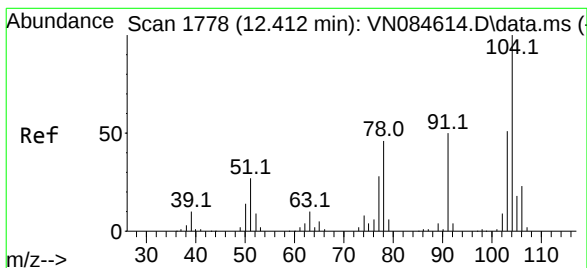
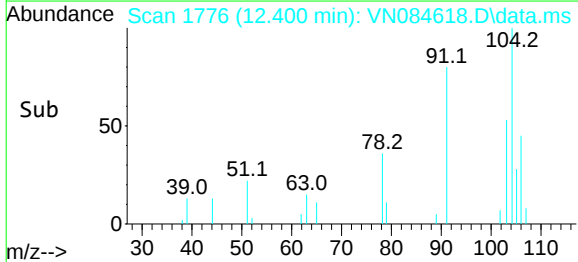
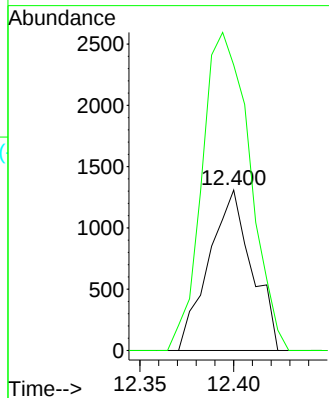
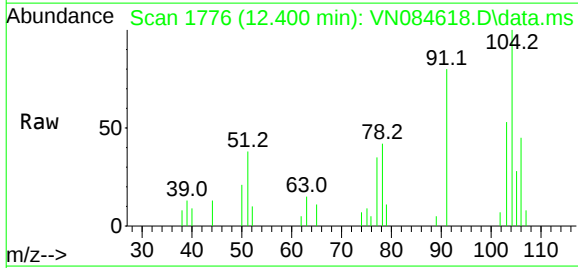
VIBLK

Tgt Ion:106 Resp: 2091

Ion Ratio Lower Upper

106 100

91 220.4 107.7 322.9



#69

Styrene

Concen: 1.341 ug/l

RT: 12.412 min Scan# 1778

Delta R.T. 0.000 min

Lab File: VN084618.D

Acq: 31 Oct 2024 14:08

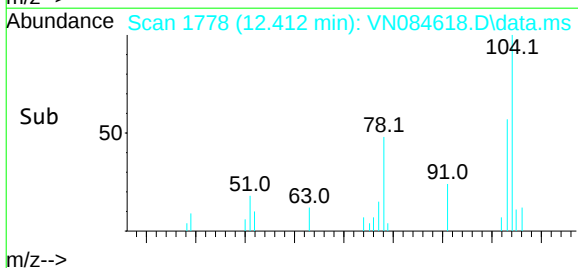
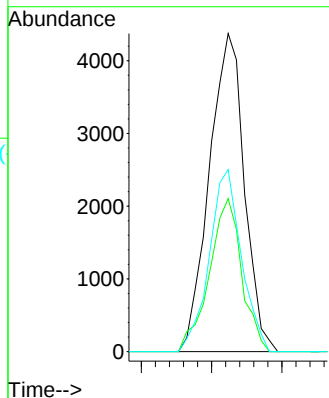
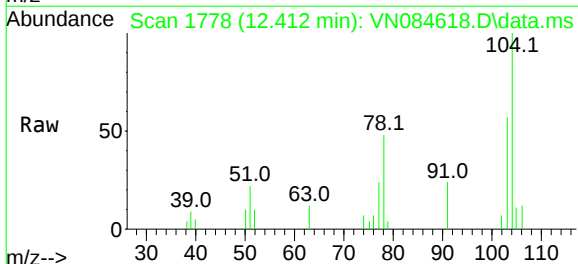
Tgt Ion:104 Resp: 7556

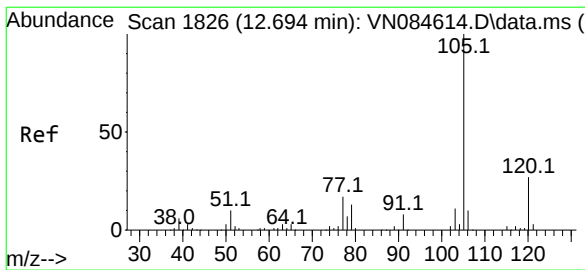
Ion Ratio Lower Upper

104 100

78 44.5 41.5 62.3

103 52.6 44.6 67.0





#70

Isopropylbenzene

Concen: 0.748 ug/l

RT: 12.694 min Scan# 18

Delta R.T. 0.000 min

Lab File: VN084618.D

Acq: 31 Oct 2024 14:08

Instrument :

MSVOA_N

ClientSampleId :

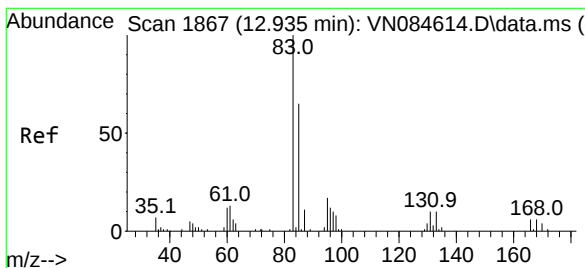
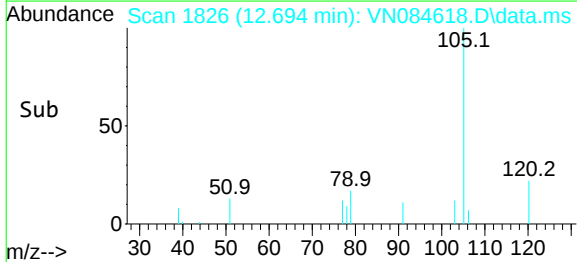
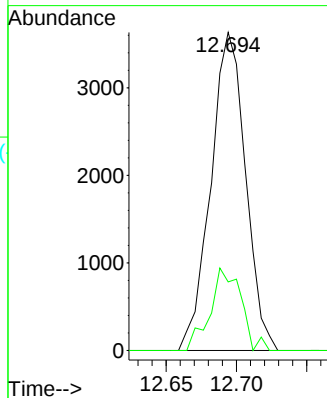
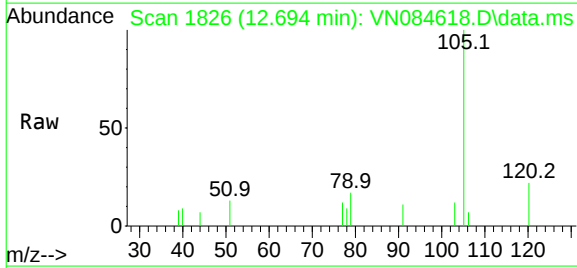
VIBLK

Tgt Ion:105 Resp: 6248

Ion Ratio Lower Upper

105 100

120 22.2 18.7 34.7



#71

1,1,2,2-Tetrachloroethane

Concen: 0.475 ug/l

RT: 12.941 min Scan# 1868

Delta R.T. 0.006 min

Lab File: VN084618.D

Acq: 31 Oct 2024 14:08

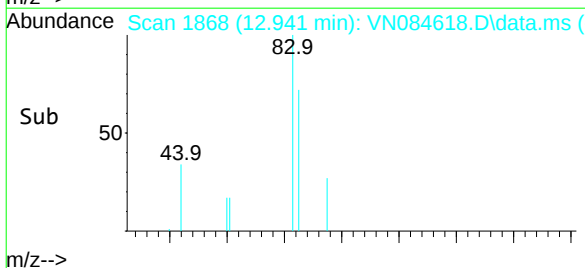
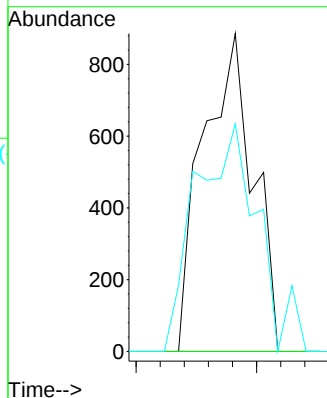
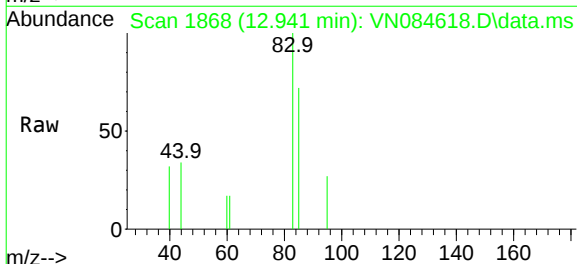
Tgt Ion: 83 Resp: 1286

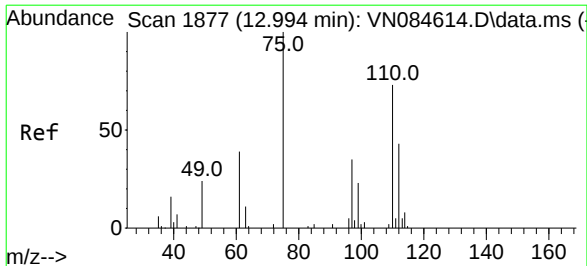
Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

85 51.9 33.3 99.9





#72

1,2,3-Trichloropropane

Concen: 0.974 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. -0.012 min

Lab File: VN084618.D

Acq: 31 Oct 2024 14:08

Instrument :

MSVOA_N

ClientSampleId :

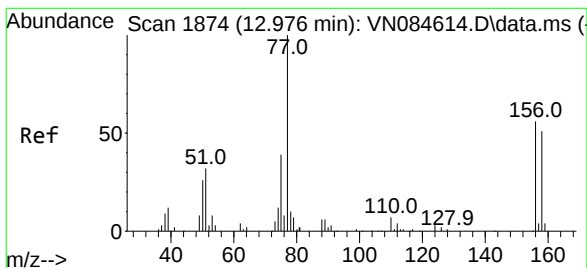
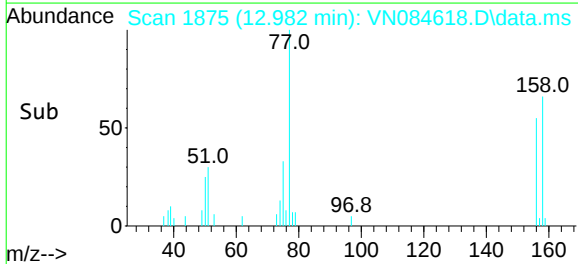
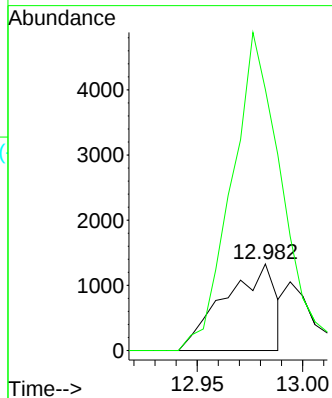
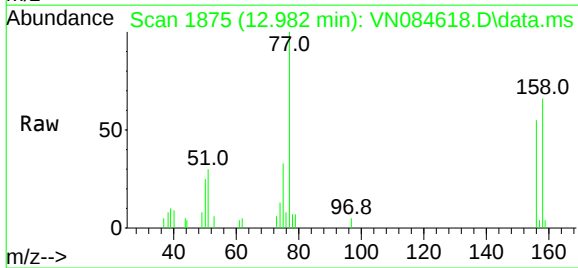
VIBLK

Tgt Ion: 75 Resp: 2252

Ion Ratio Lower Upper

75 100

77 354.3 0.0 358.4



#73

Bromobenzene

Concen: 1.992 ug/l

RT: 12.976 min Scan# 1874

Delta R.T. 0.000 min

Lab File: VN084618.D

Acq: 31 Oct 2024 14:08

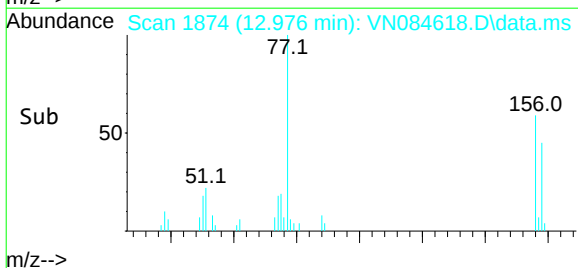
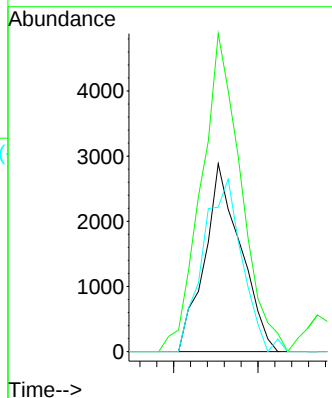
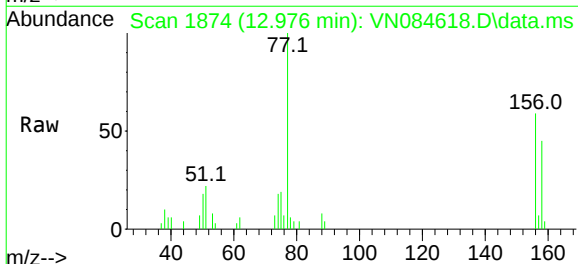
Tgt Ion: 156 Resp: 4289

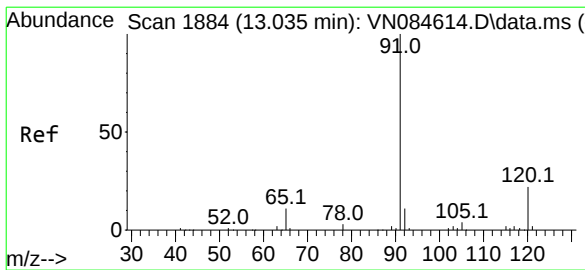
Ion Ratio Lower Upper

156 100

77 186.0 0.0 427.6

158 97.9 0.0 191.6





#74

n-propylbenzene

Concen: 1.342 ug/l

RT: 13.035 min Scan# 18

Delta R.T. 0.000 min

Lab File: VN084618.D

Acq: 31 Oct 2024 14:08

Instrument :

MSVOA_N

ClientSampleId :

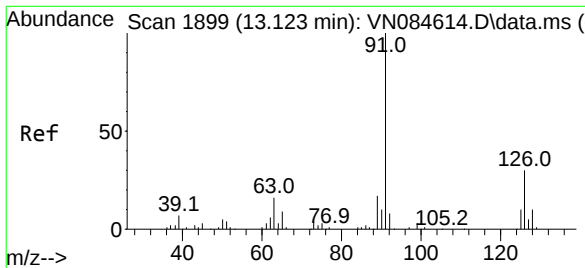
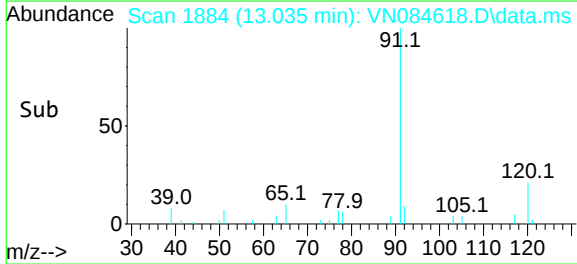
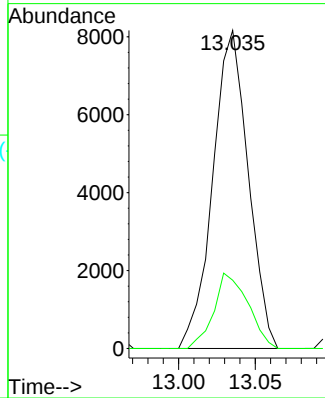
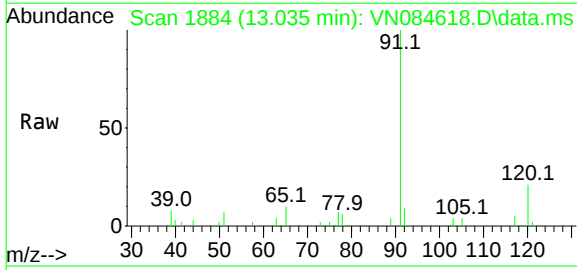
VIBLK

Tgt Ion: 91 Resp: 13104

Ion Ratio Lower Upper

91 100

120 22.9 0.0 44.0



#75

2-Chlorotoluene

Concen: 1.290 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. 0.000 min

Lab File: VN084618.D

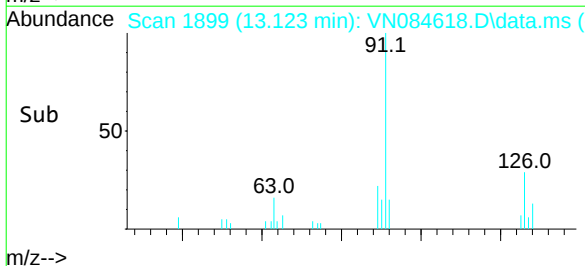
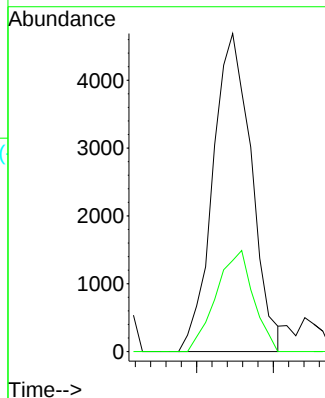
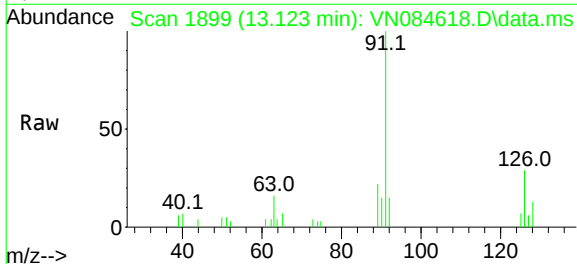
Acq: 31 Oct 2024 14:08

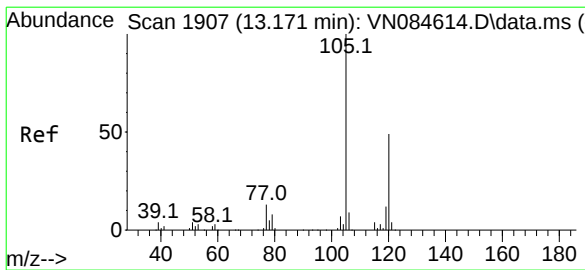
Tgt Ion: 91 Resp: 8203

Ion Ratio Lower Upper

91 100

126 30.7 0.0 60.8





#76

1,3,5-Trimethylbenzene

Concen: 0.853 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VN084618.D

Acq: 31 Oct 2024 14:08

Instrument :

MSVOA_N

ClientSampleId :

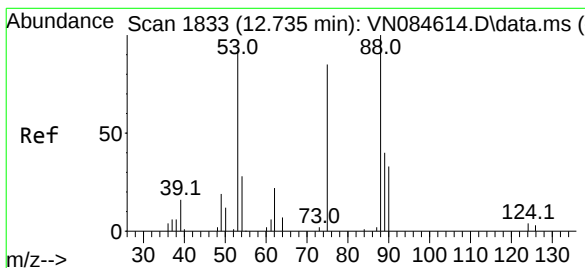
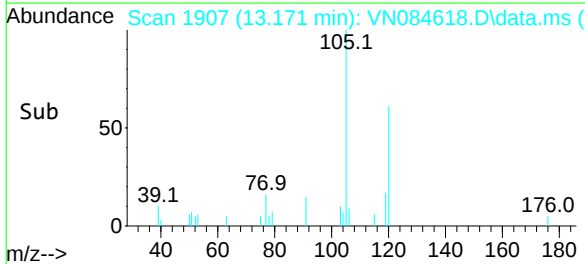
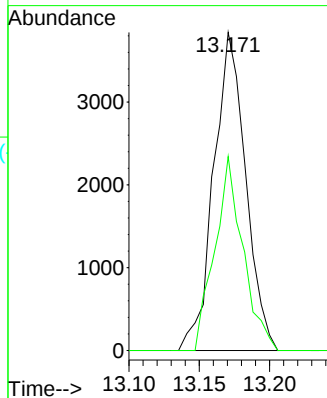
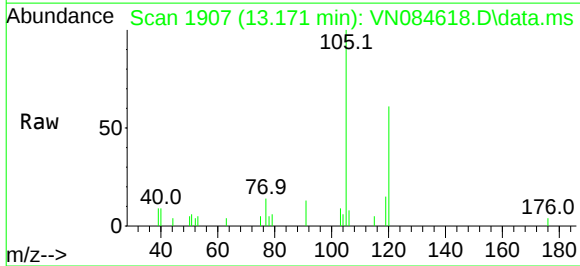
VIBLK

Tgt Ion: 105 Resp: 6086

Ion Ratio Lower Upper

105 100

120 53.7 0.0 96.8



#77

t-1,4-Dichloro-2-butene

Concen: 0.844 ug/l

RT: 12.735 min Scan# 1833

Delta R.T. 0.000 min

Lab File: VN084618.D

Acq: 31 Oct 2024 14:08

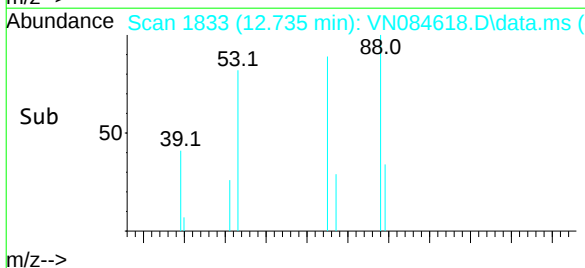
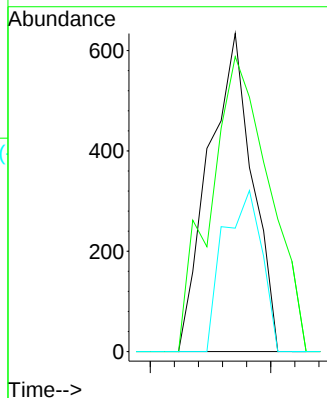
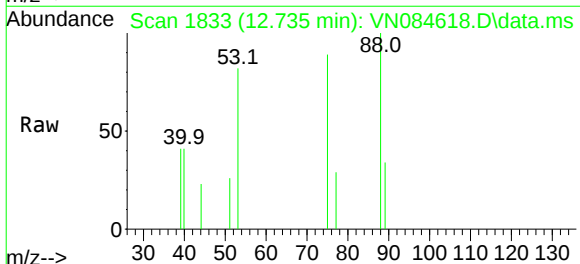
Tgt Ion: 75 Resp: 800

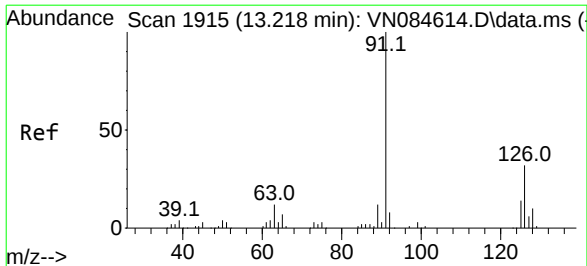
Ion Ratio Lower Upper

75 100

53 92.7 52.4 157.2

89 38.8 26.0 78.0





#78

4-Chlorotoluene

Concen: 2.184 ug/l

RT: 13.218 min Scan# 1915

Delta R.T. 0.000 min

Lab File: VN084618.D

Acq: 31 Oct 2024 14:08

Instrument :

MSVOA_N

ClientSampleId :

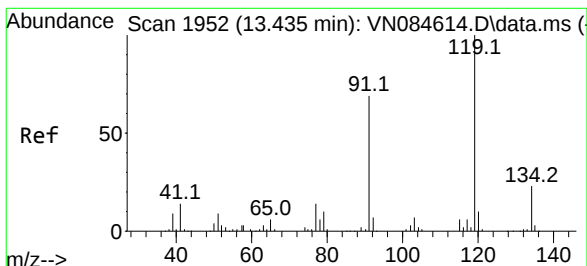
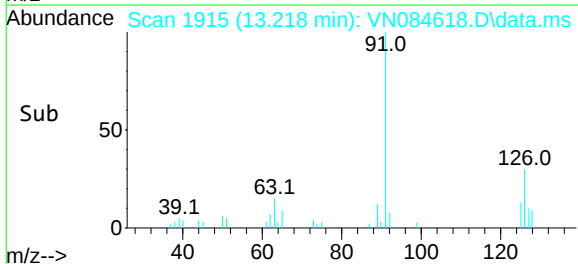
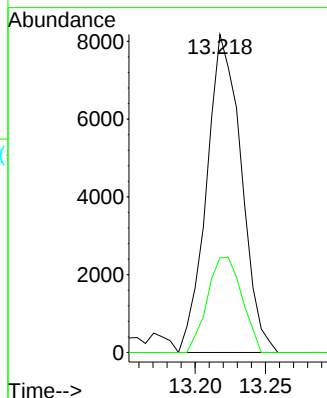
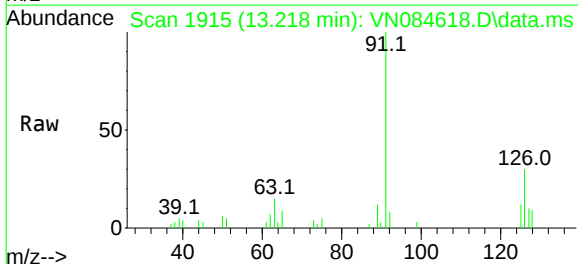
VIBLK

Tgt Ion: 91 Resp: 14028

Ion Ratio Lower Upper

91 100

126 29.8 0.0 63.4



#79

tert-butylbenzene

Concen: 0.729 ug/l

RT: 13.435 min Scan# 1952

Delta R.T. 0.000 min

Lab File: VN084618.D

Acq: 31 Oct 2024 14:08

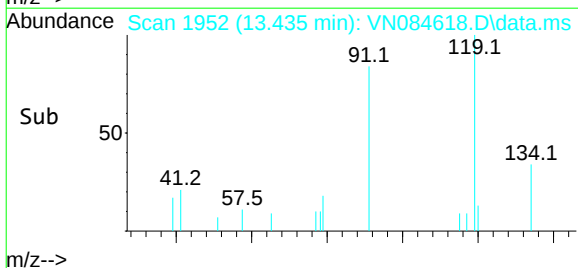
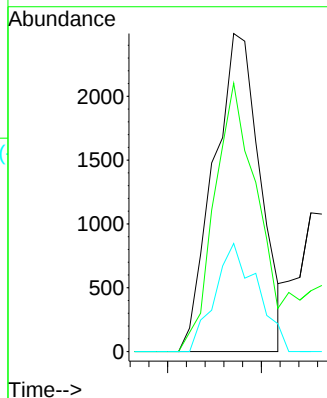
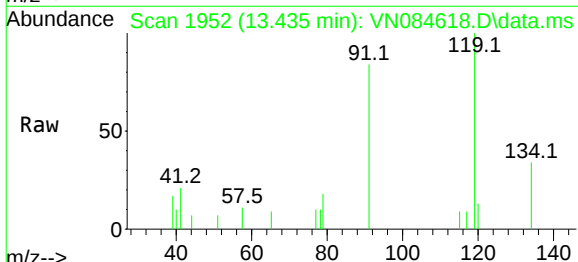
Tgt Ion: 119 Resp: 4301

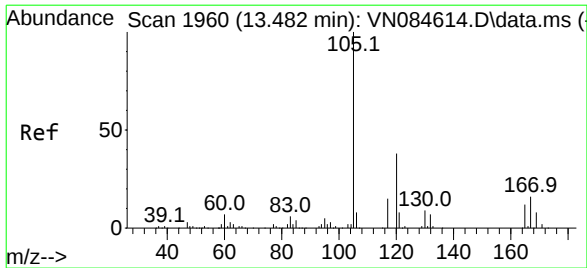
Ion Ratio Lower Upper

119 100

91 77.1 0.0 143.2

134 31.0 0.0 49.4





#80

1,2,4-Trimethylbenzene

Concen: 0.951 ug/l

RT: 13.482 min Scan# 19

Delta R.T. 0.000 min

Lab File: VN084618.D

Acq: 31 Oct 2024 14:08

Instrument :

MSVOA_N

ClientSampleId :

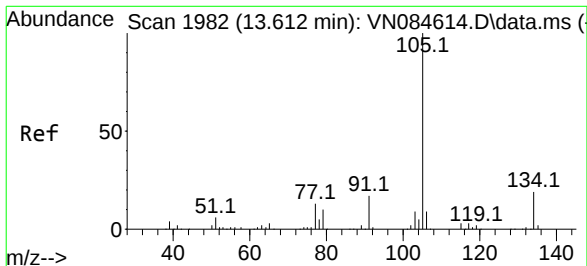
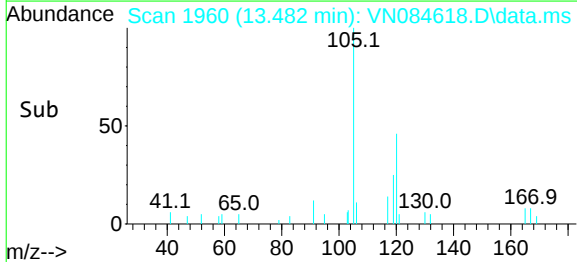
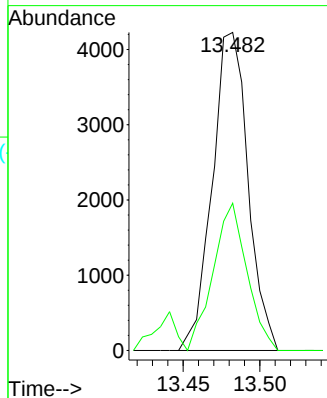
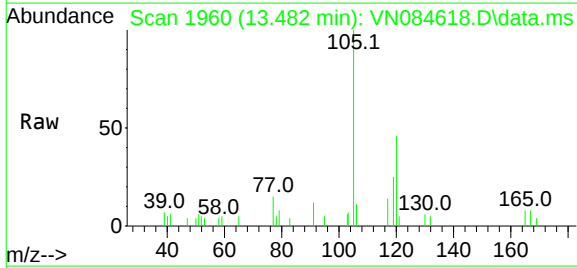
VIBLK

Tgt Ion:105 Resp: 6845

Ion Ratio Lower Upper

105 100

120 43.9 0.0 90.4



#81

sec-Butylbenzene

Concen: 1.165 ug/l

RT: 13.612 min Scan# 1982

Delta R.T. 0.000 min

Lab File: VN084618.D

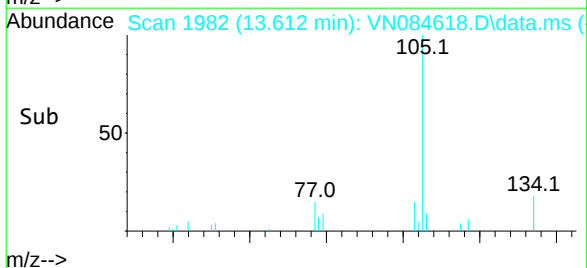
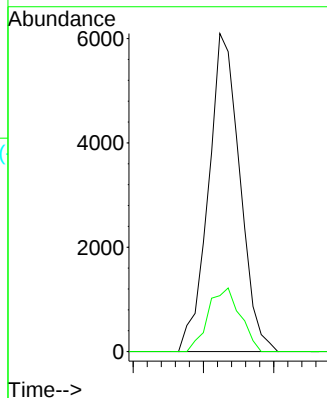
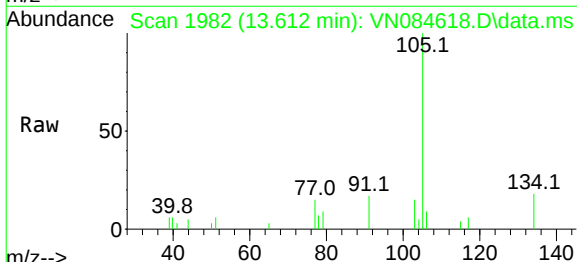
Acq: 31 Oct 2024 14:08

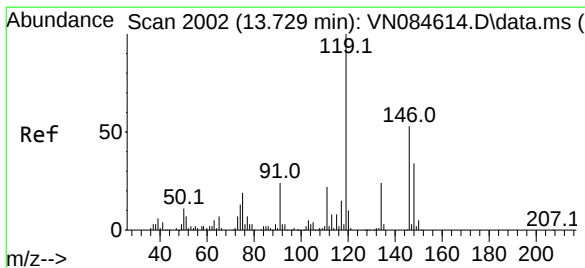
Tgt Ion:105 Resp: 9474

Ion Ratio Lower Upper

105 100

134 20.4 0.0 39.0





#82

p-Isopropyltoluene

Concen: 1.273 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN084618.D

Acq: 31 Oct 2024 14:08

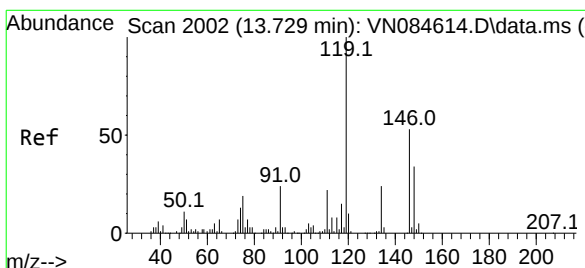
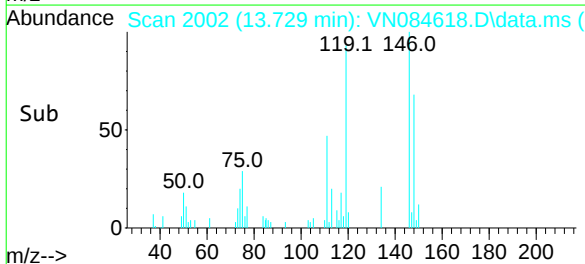
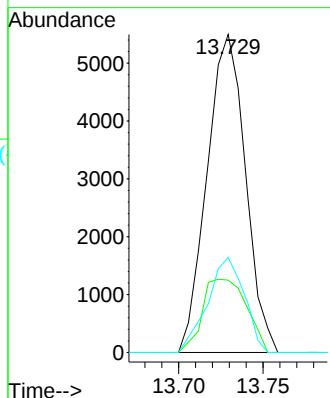
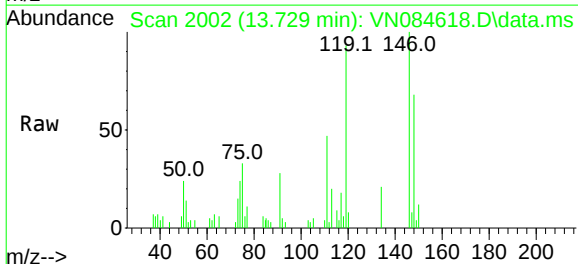
Instrument :

MSVOA_N

ClientSampleId :

VIBLK

Tgt Ion:	119	Resp:	8698
Ion	Ratio	Lower	Upper
119	100		
134	26.5	0.0	51.4
91	28.7	0.0	50.4



#83

1,3-Dichlorobenzene

Concen: 2.686 ug/l

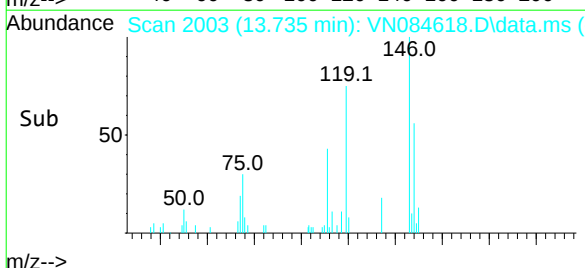
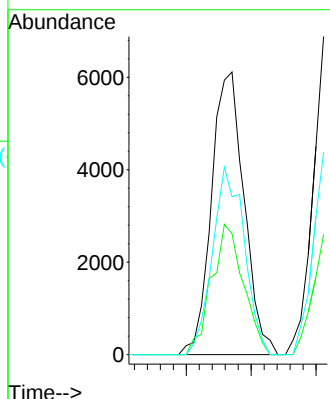
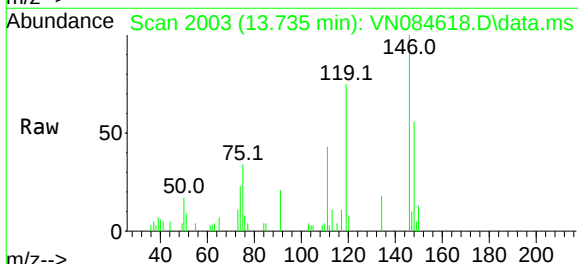
RT: 13.735 min Scan# 2003

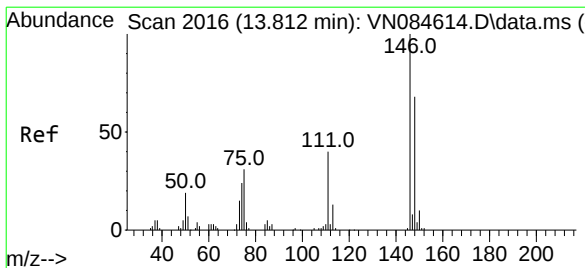
Delta R.T. 0.006 min

Lab File: VN084618.D

Acq: 31 Oct 2024 14:08

Tgt Ion:	146	Resp:	10696
Ion	Ratio	Lower	Upper
146	100		
111	45.1	21.0	63.0
148	64.7	31.3	93.8





#84

1,4-Dichlorobenzene

Concen: 3.325 ug/l

RT: 13.812 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN084618.D

Acq: 31 Oct 2024 14:08

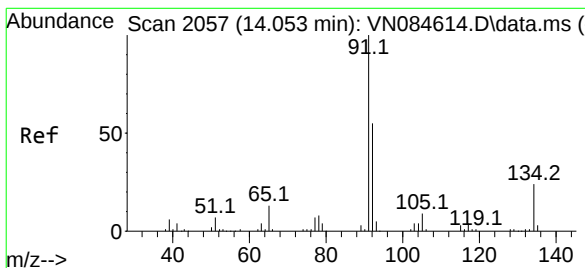
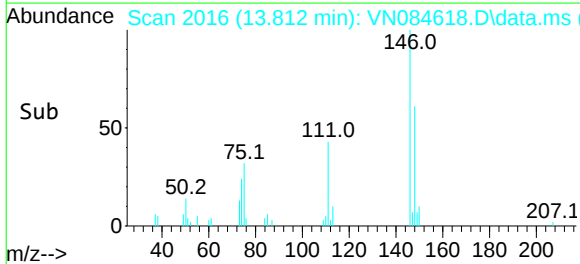
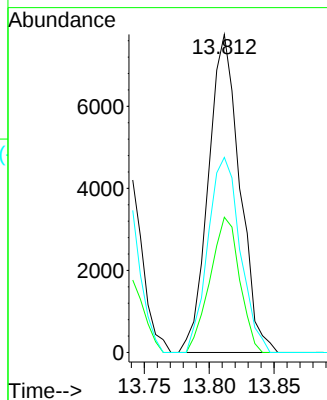
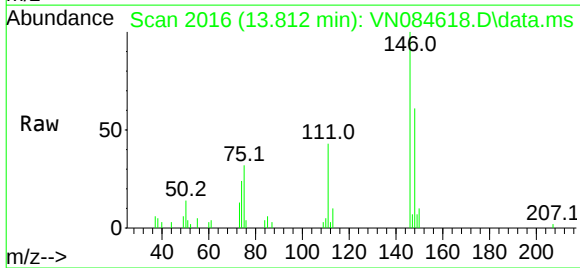
Instrument :

MSVOA_N

ClientSampleId :

VIBLK

Tgt Ion:	146	Resp:	13085
Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.2	60.5
148	63.0	32.6	98.0



#85

n-Butylbenzene

Concen: 2.546 ug/l

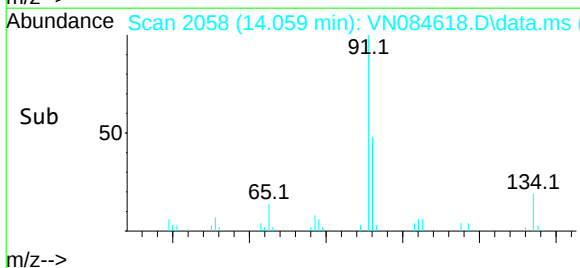
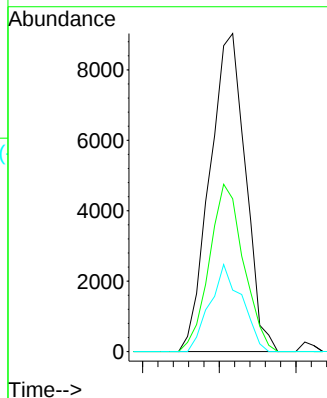
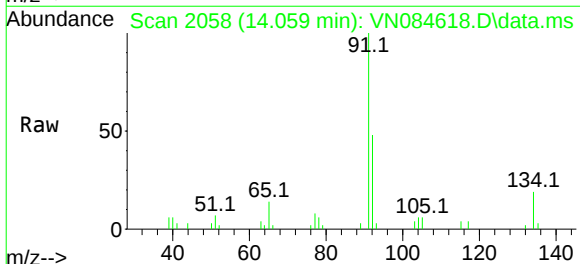
RT: 14.059 min Scan# 2058

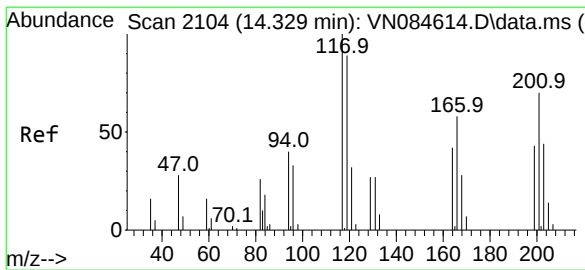
Delta R.T. 0.006 min

Lab File: VN084618.D

Acq: 31 Oct 2024 14:08

Tgt Ion:	91	Resp:	14609
Ion	Ratio	Lower	Upper
91	100		
92	50.5	0.0	106.2
134	24.5	0.0	48.2





#86

Hexachloroethane

Concen: 0.414 ug/l

RT: 14.323 min Scan# 2104

Delta R.T. -0.006 min

Lab File: VN084618.D

Acq: 31 Oct 2024 14:08

Instrument :

MSVOA_N

ClientSampleId :

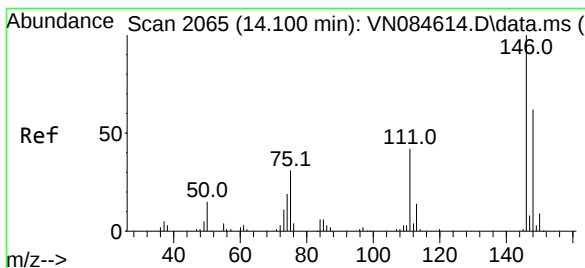
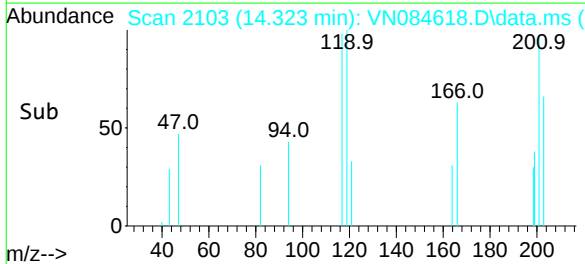
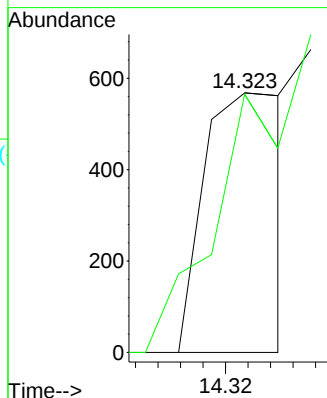
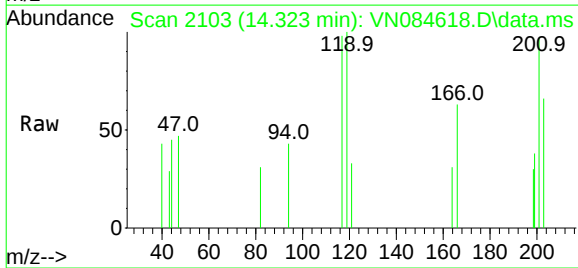
VIBLK

Tgt Ion:117 Resp: 578

Ion Ratio Lower Upper

117 100

201 0.0 34.4 103.3#



#87

1,2-Dichlorobenzene

Concen: 1.800 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VN084618.D

Acq: 31 Oct 2024 14:08

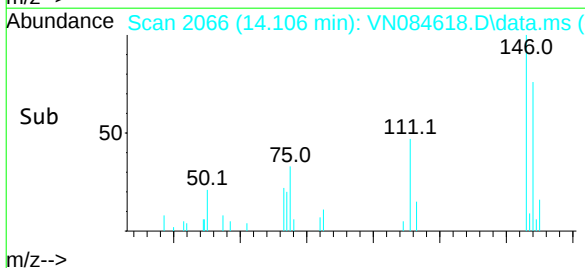
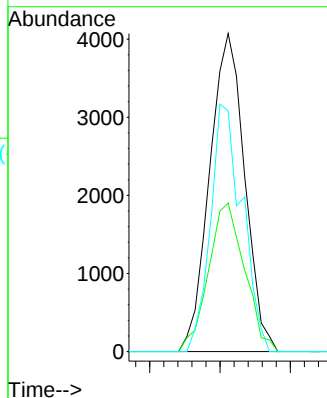
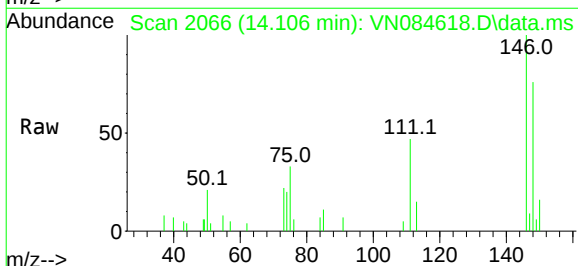
Tgt Ion:146 Resp: 7065

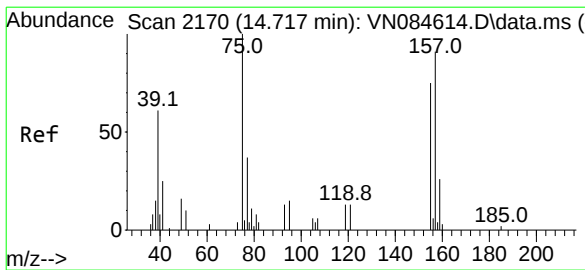
Ion Ratio Lower Upper

146 100

111 48.2 22.4 67.0

148 70.3 32.6 98.0





#88

1,2-Dibromo-3-Chloropropane

Concen: 1.672 ug/l

RT: 14.723 min Scan# 2171

Delta R.T. 0.006 min

Lab File: VN084618.D

Acq: 31 Oct 2024 14:08

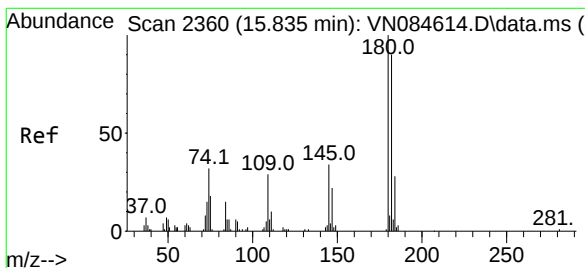
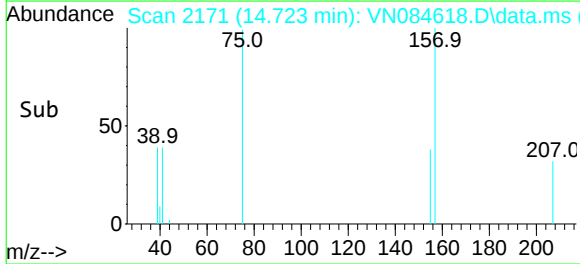
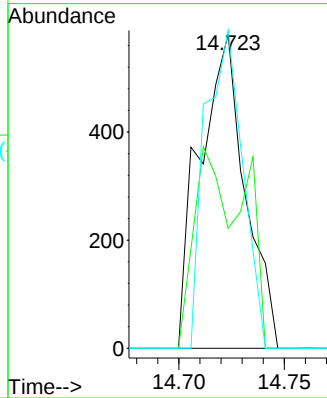
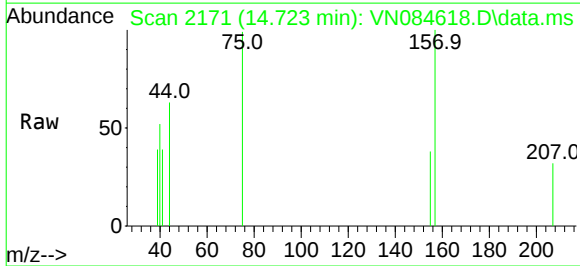
Instrument :

MSVOA_N

ClientSampleId :

VIBLK

Tgt Ion:	75	Resp:	873
Ion	Ratio	Lower	Upper
75	100		
155	24.5	61.8	92.6#
157	83.3	74.7	112.1



#89

1,2,4-Trichlorobenzene

Concen: 4.734 ug/l

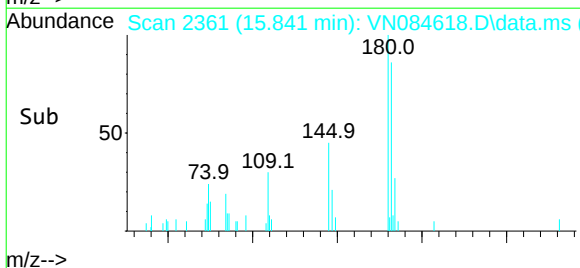
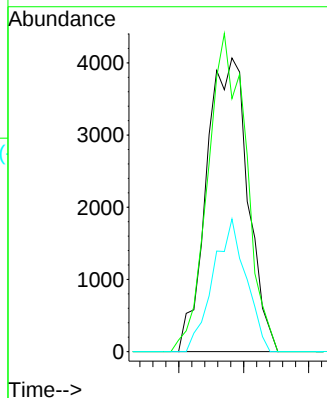
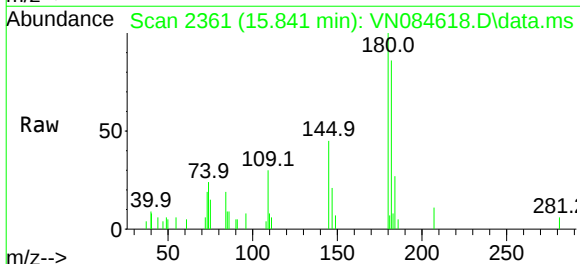
RT: 15.841 min Scan# 2361

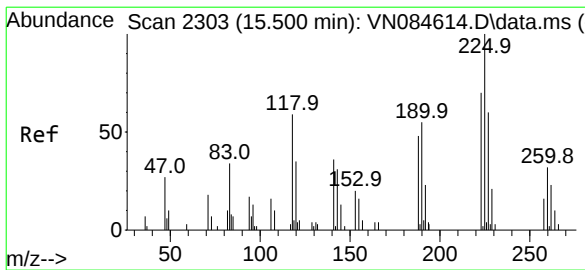
Delta R.T. 0.006 min

Lab File: VN084618.D

Acq: 31 Oct 2024 14:08

Tgt Ion:	180	Resp:	9046
Ion	Ratio	Lower	Upper
180	100		
182	99.6	73.0	109.6
145	35.8	26.5	39.7





#90

Hexachlorobutadiene

Concen: 4.882 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. 0.000 min

Lab File: VN084618.D

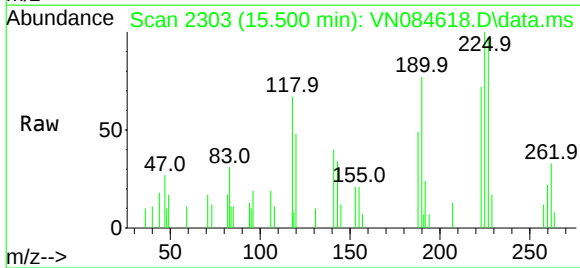
Acq: 31 Oct 2024 14:08

Instrument :

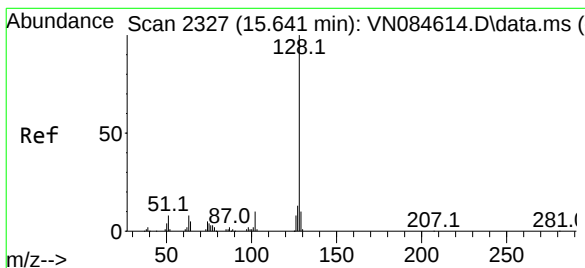
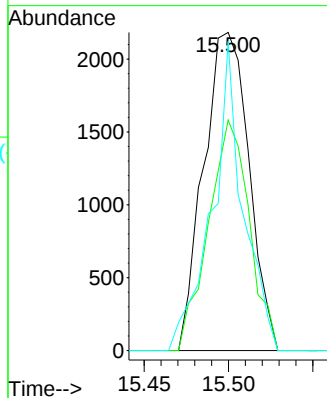
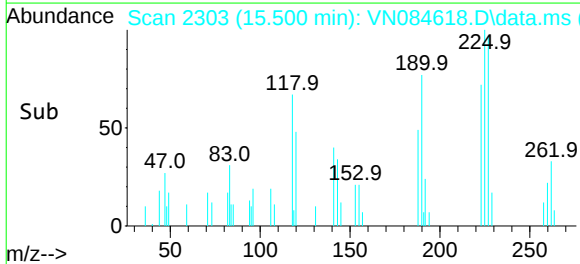
MSVOA_N

ClientSampleId :

VIBLK



Tgt Ion:	225	Resp:	4075
Ion	Ratio	Lower	Upper
225	100		
223	65.3	0.0	138.8
227	67.0	0.0	123.2



#91

Naphthalene

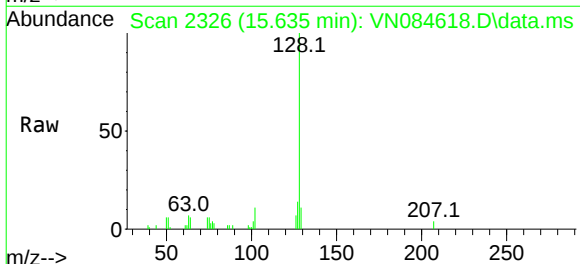
Concen: 3.745 ug/l

RT: 15.635 min Scan# 2326

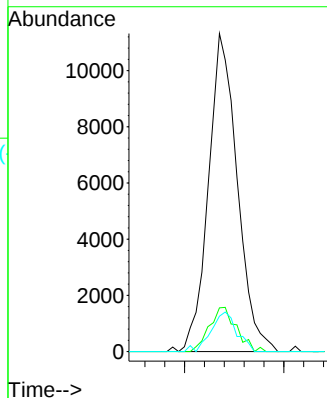
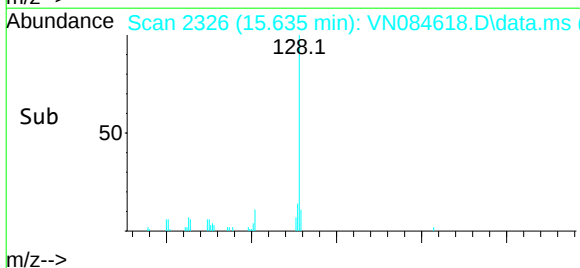
Delta R.T. -0.006 min

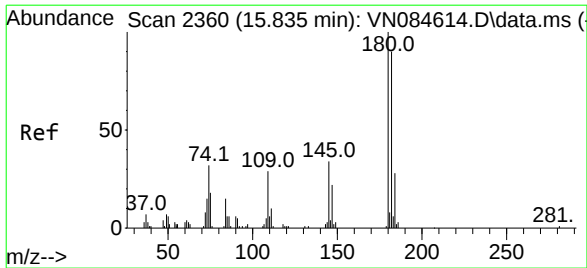
Lab File: VN084618.D

Acq: 31 Oct 2024 14:08



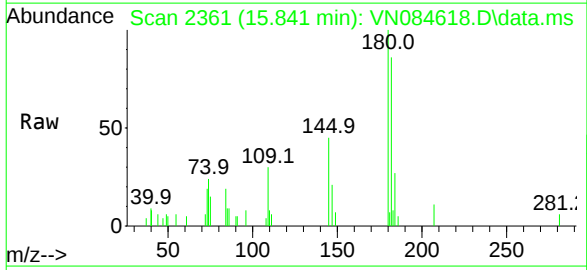
Tgt Ion:	128	Resp:	22853
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.8	8.6	12.8





#92
 1,2,3-Trichlorobenzene
 Concen: 4.734 ug/l
 RT: 15.841 min Scan# 23
 Delta R.T. 0.006 min
 Lab File: VN084618.D
 Acq: 31 Oct 2024 14:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VIBLK



Tgt Ion:	180	Resp:	9046
Ion	Ratio	Lower	Upper
180	100		
182	99.6	0.0	182.6
145	35.8	0.0	66.2

