

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040120\
 Data File : VN060808.D
 Acq On : 1 Apr 2020 14:07
 Operator : JC/MD
 Sample : L2049-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Apr 02 09:02:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	197519	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	325013	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	295199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	127215	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	126689	46.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.44%	
35) Dibromofluoromethane	7.56	113	96108	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
50) Toluene-d8	10.08	98	394985	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
62) 4-Bromofluorobenzene	12.40	95	143303	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	

Target Compounds

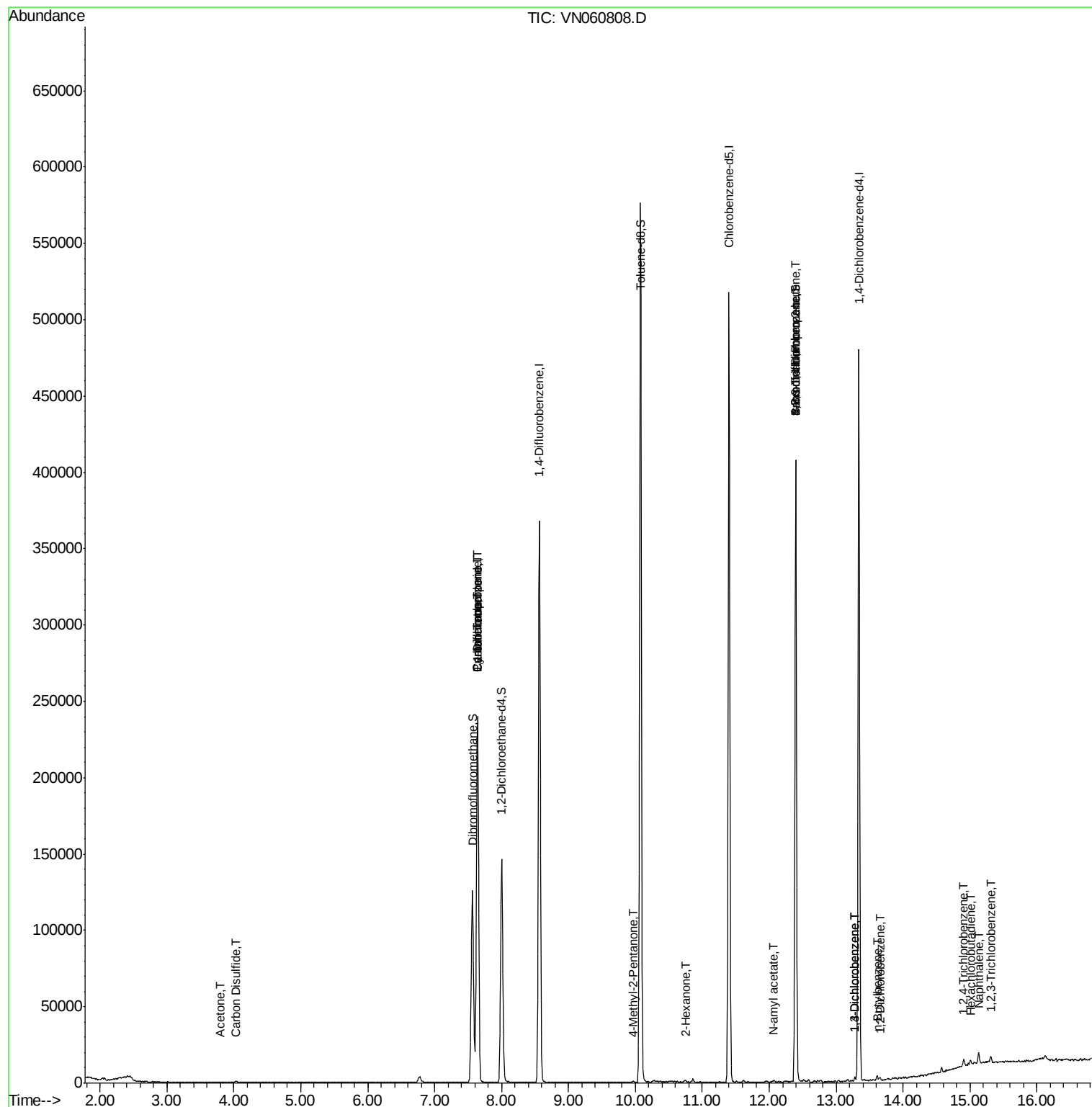
						Qvalue
16) Acetone	3.79	43	472	0.491	ug/l #	43
17) Carbon Disulfide	4.03	76	1368	0.210	ug/l #	75
31) Cyclohexane	7.64	56	4449	1.019	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15343	4.875	ug/l #	49
38) Carbon Tetrachloride	7.64	117	18652	6.613	ug/l #	16
51) 4-Methyl-2-Pentanone	9.97	43	726	0.227	ug/l #	37
59) 2-Hexanone	10.74	43	1142	0.497	ug/l	71
71) Bromoform	12.40	173	700	2.065	ug/l #	1
74) N-amyl acetate	12.07	43	1006	0.228	ug/l #	58
76) 1,2,3-Trichloropropane	12.40	75	72070	26.255	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	72070	67.430	ug/l #	13
87) 1,3-Dichlorobenzene	13.28	146	907	0.224	ug/l	94
88) 1,4-Dichlorobenzene	13.28	146	907	0.222	ug/l	95
89) n-Butylbenzene	13.61	91	2104	0.287	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	812	0.209	ug/l	79
92) 1,2-Dibromo-3-Chloropropan	14.27	75	132	Below Cal	#	3
93) 1,2,4-Trichlorobenzene	14.90	180	1554	0.652	ug/l	92
94) Hexachlorobutadiene	15.00	225	592	0.507	ug/l	94
95) Naphthalene	15.13	128	6081	0.849	ug/l	97
96) 1,2,3-Trichlorobenzene	15.31	180	1710	0.729	ug/l	95

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060808.D

Acq: 1 Apr 2020 14:07

Instrument :

MSVOA_N

ClientSampleId :

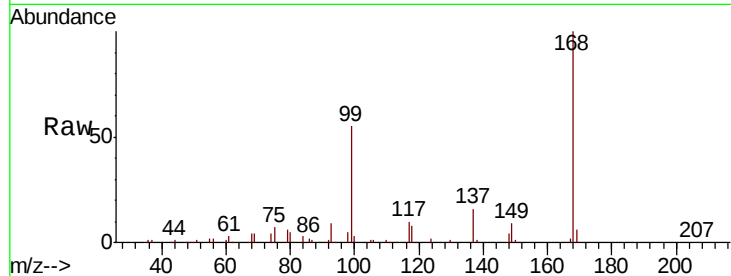
TRIP-BLANK

Tot Ion:168 Resp: 197519

Ion Ratio Lower Upper

168 100

99 54.9 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

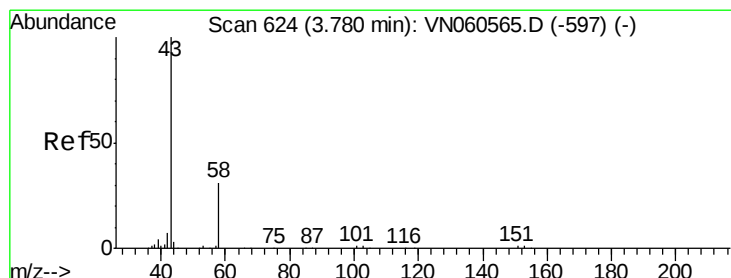
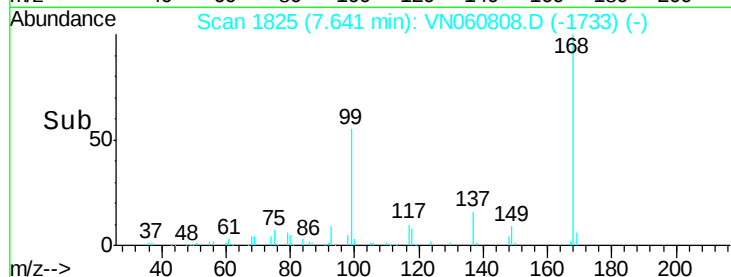
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 0.491 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060808.D

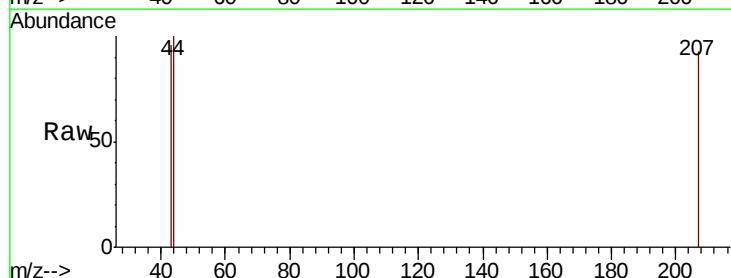
Acq: 1 Apr 2020 14:07

Tgt Ion: 43 Resp: 472

Ion Ratio Lower Upper

43 100

58 0.0 25.1 37.7#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.79

300

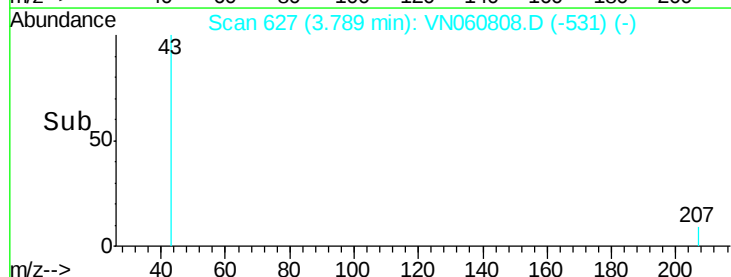
200

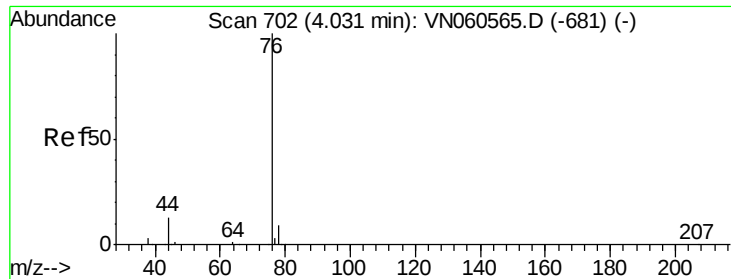
100

0

3.76 3.78 3.80 3.82

Time-->

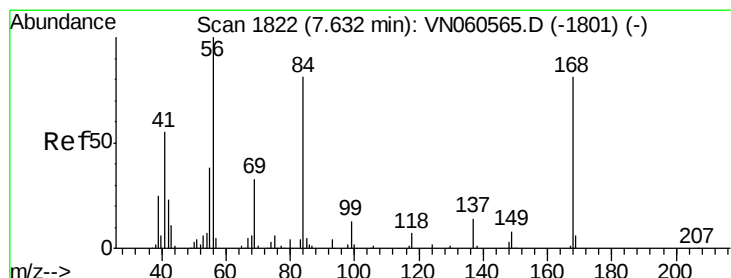
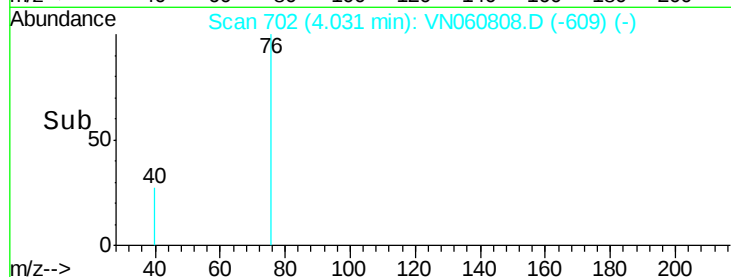
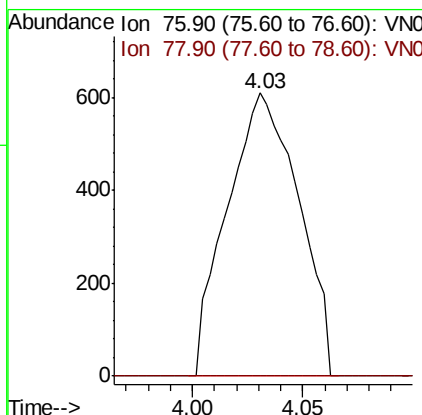
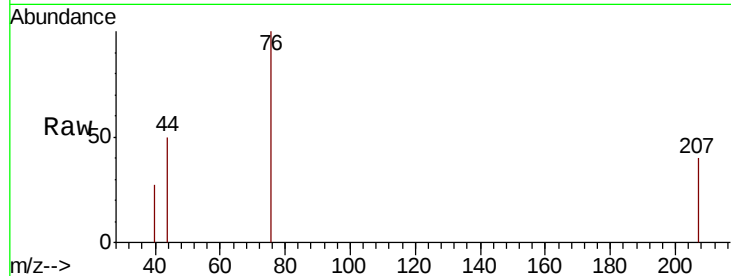




#17
Carbon Disulfide
Concen: 0.210 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060808.D
Acq: 1 Apr 2020 14:07

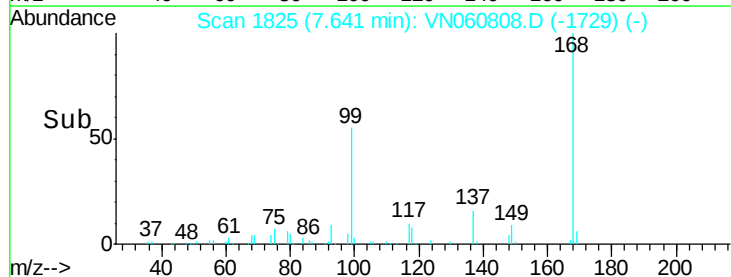
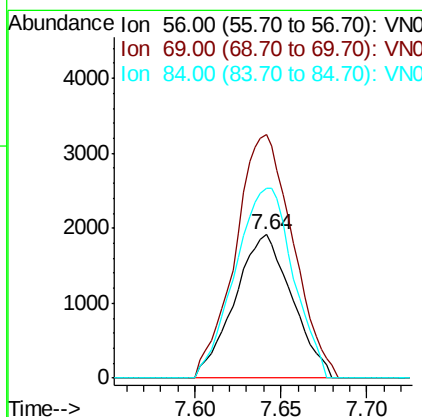
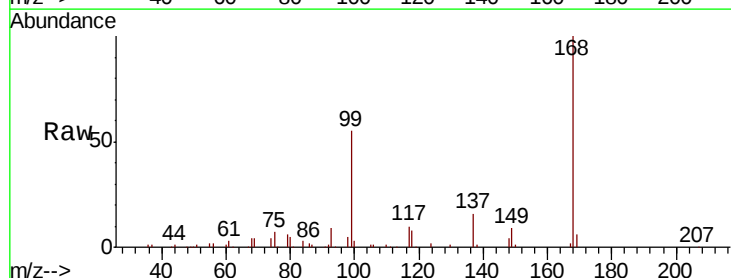
Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

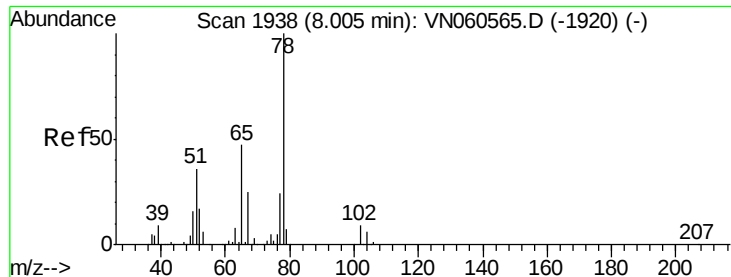
Tot Ion: 76 Resp: 1368
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#31
Cyclohexane
Concen: 1.019 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060808.D
Acq: 1 Apr 2020 14:07

Tgt Ion: 56 Resp: 4449
Ion Ratio Lower Upper
56 100
69 170.0 26.6 40.0#
84 132.9 64.3 96.5#

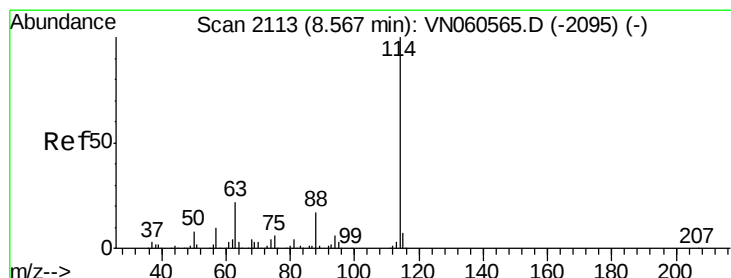
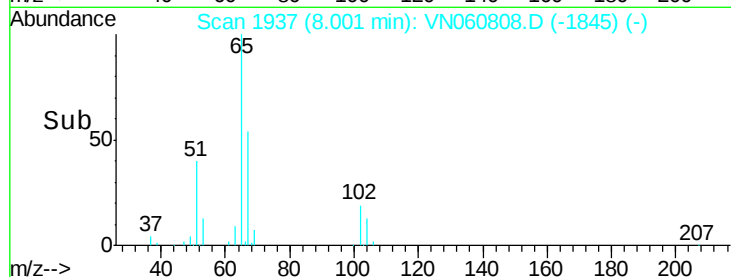
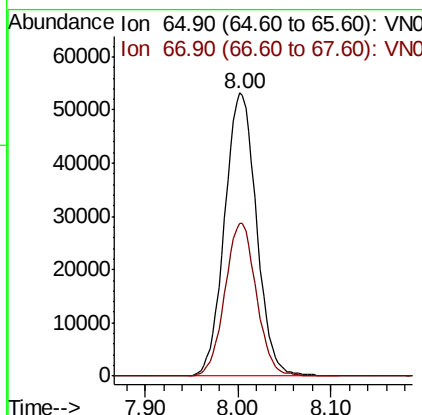
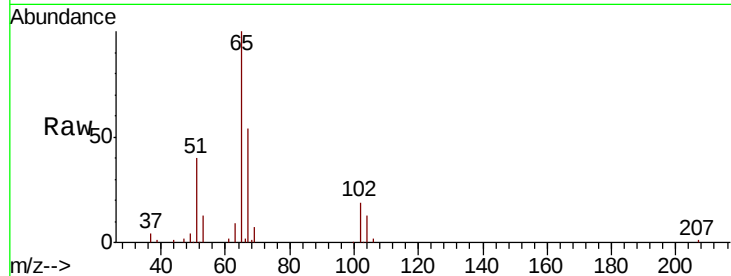




#33
 1,2-Dichloroethane-d4
 Concen: 46.723 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060808.D
 Acq: 1 Apr 2020 14:07

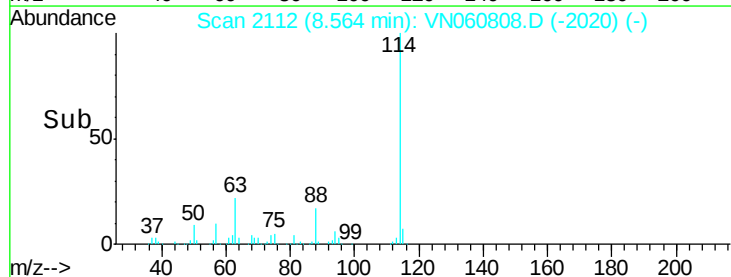
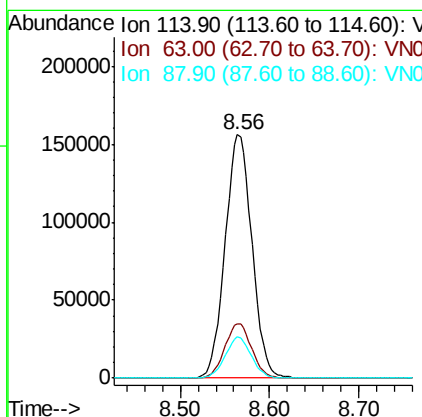
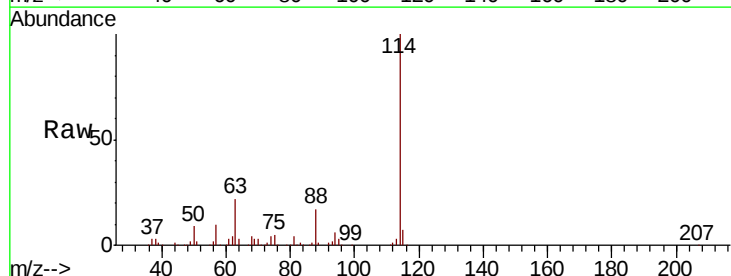
Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

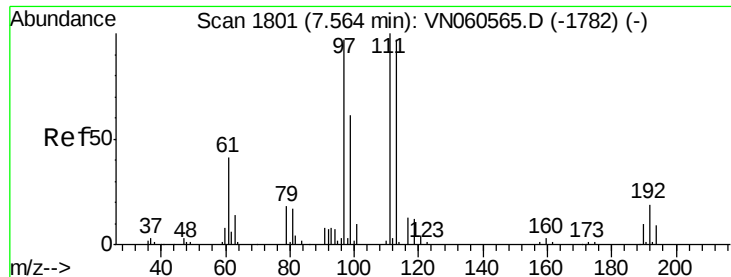
Tot Ion: 65 Resp: 126689
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060808.D
 Acq: 1 Apr 2020 14:07

Tgt Ion: 114 Resp: 325013
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 43.8
 88 16.8 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.904 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060808.D

Acq: 1 Apr 2020 14:07

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

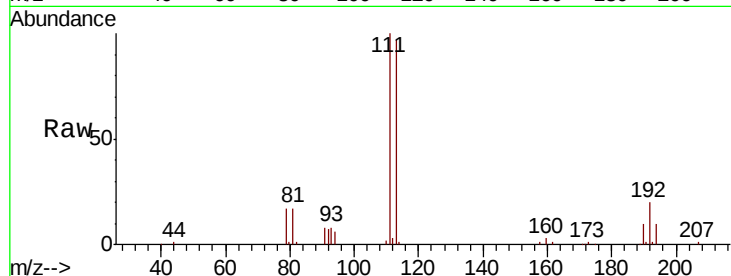
Tot Ion:113 Resp: 96108

Ion Ratio Lower Upper

113 100

111 104.8 82.9 124.3

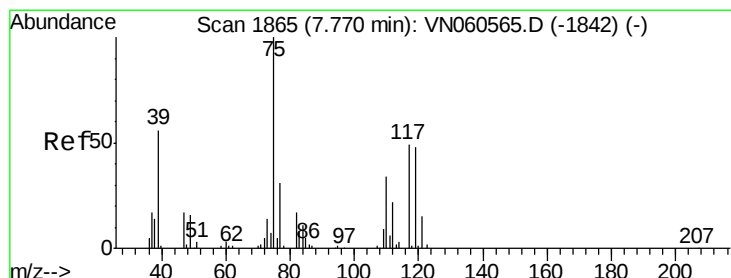
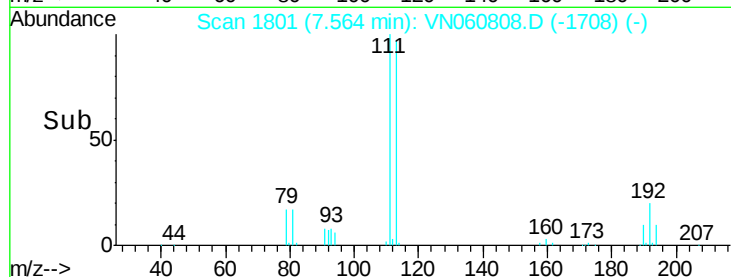
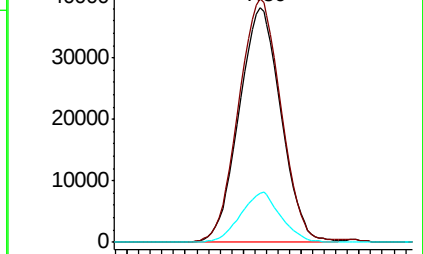
192 20.4 15.8 23.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.875 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.13 min

Lab File: VN060808.D

Acq: 1 Apr 2020 14:07

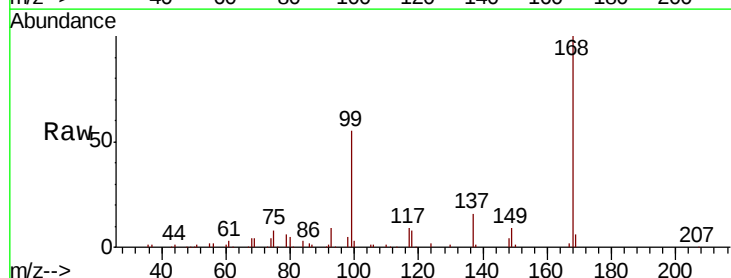
Tgt Ion: 75 Resp: 15343

Ion Ratio Lower Upper

75 100

110 7.6 16.9 50.6#

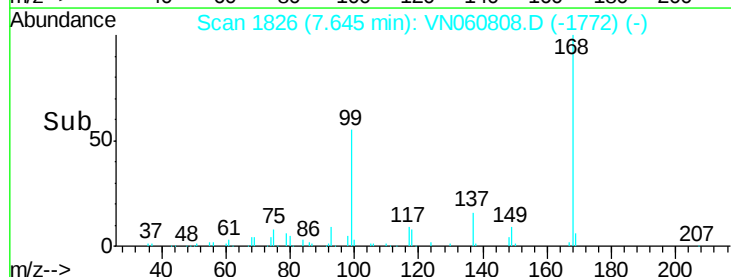
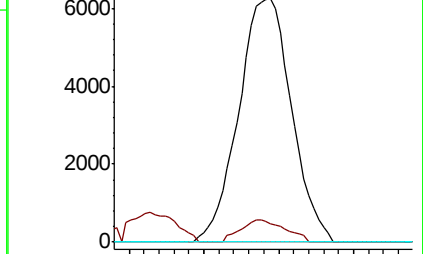
77 0.0 24.6 36.8#

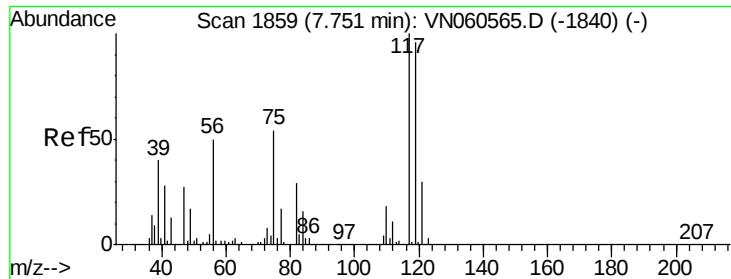


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0





#38

Carbon Tetrachloride

Concen: 6.613 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060808.D

Acq: 1 Apr 2020 14:07

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

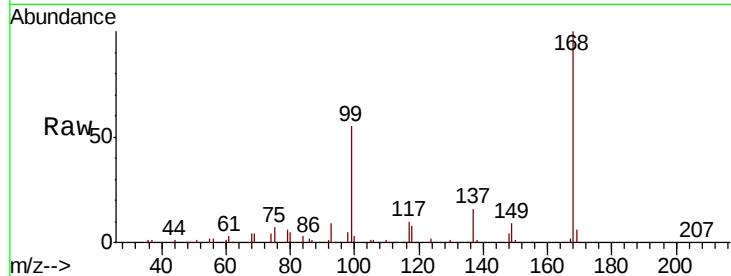
Tot Ion:117 Resp: 18652

Ion Ratio Lower Upper

117 100

119 4.9 76.2 114.2#

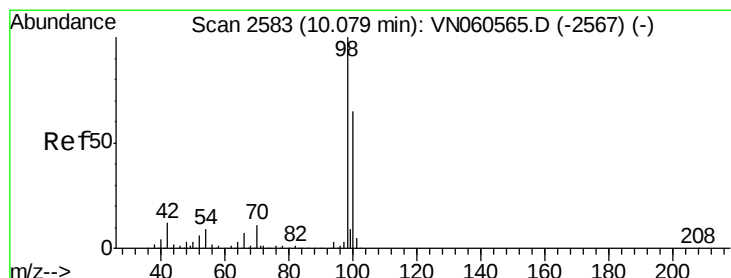
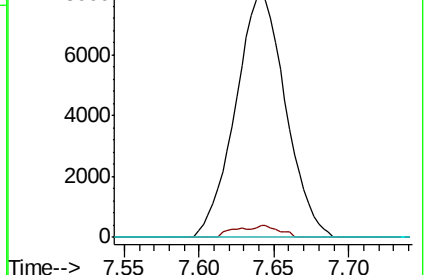
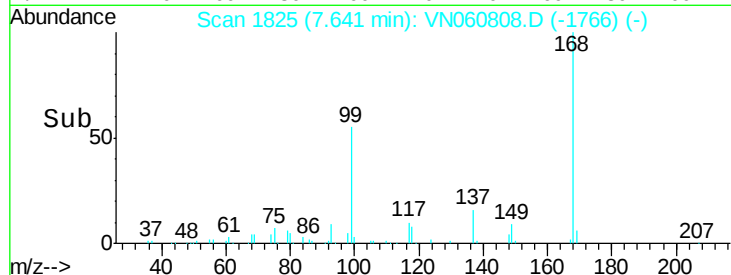
121 0.0 23.7 35.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 49.205 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060808.D

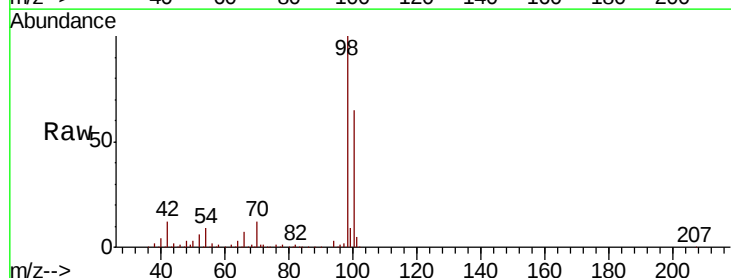
Acq: 1 Apr 2020 14:07

Tgt Ion: 98 Resp: 394985

Ion Ratio Lower Upper

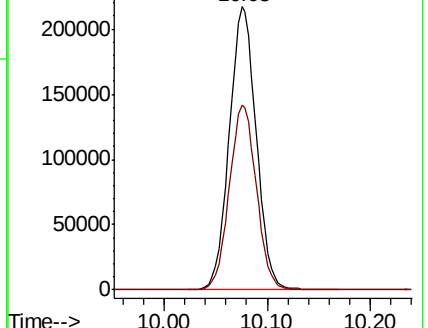
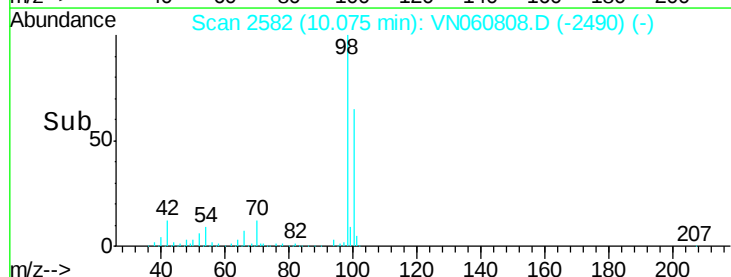
98 100

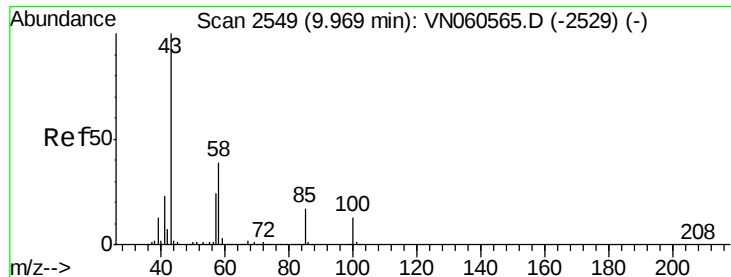
100 65.6 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

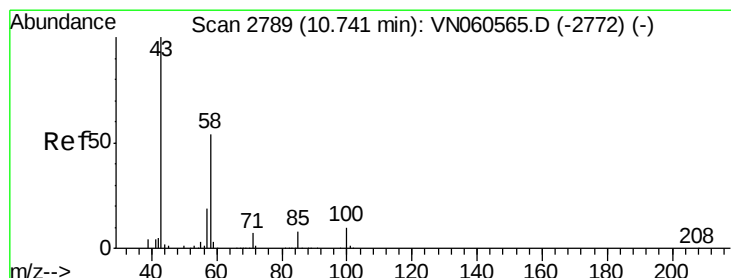
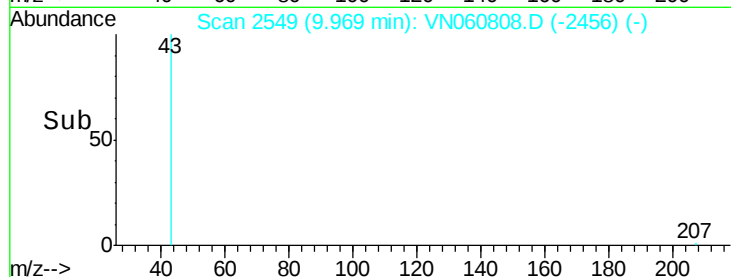
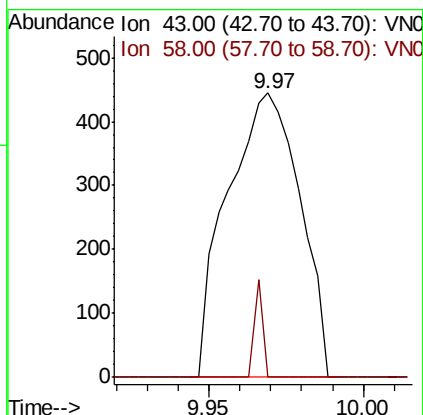
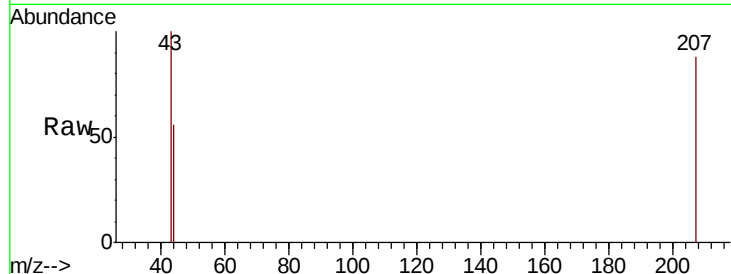




#51
4-Methyl-2-Pentanone
Concen: 0.227 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. -0.00 min
Lab File: VN060808.D
Acq: 1 Apr 2020 14:07

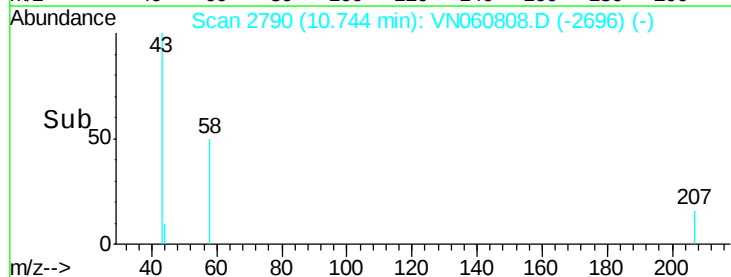
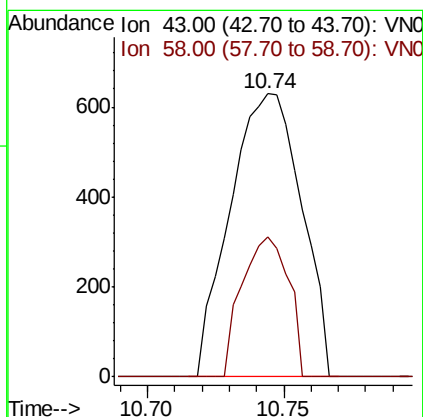
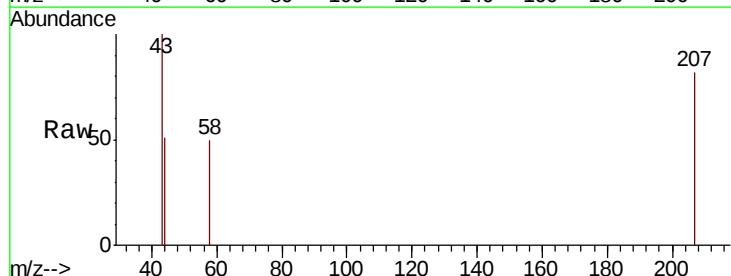
Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

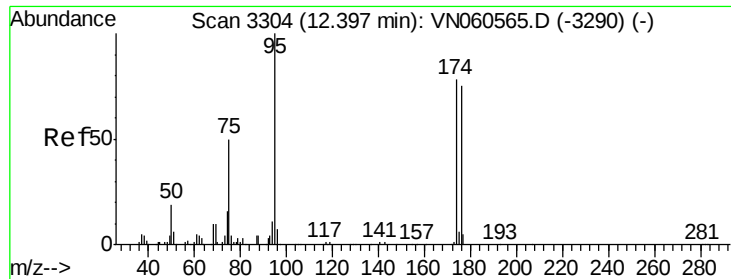
Tot Ion: 43 Resp: 726
Ion Ratio Lower Upper
43 100
58 0.0 30.8 46.2#



#59
2-Hexanone
Concen: 0.497 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN060808.D
Acq: 1 Apr 2020 14:07

Tgt Ion: 43 Resp: 1142
Ion Ratio Lower Upper
43 100
58 32.4 26.7 80.1





#62

4-Bromofluorobenzene

Concen: 48.711 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060808.D

Acq: 1 Apr 2020 14:07

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

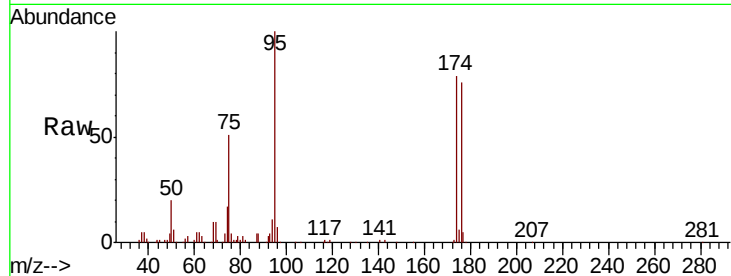
Tot Ion: 95 Resp: 143303

Ion Ratio Lower Upper

95 100

174 77.1 0.0 157.6

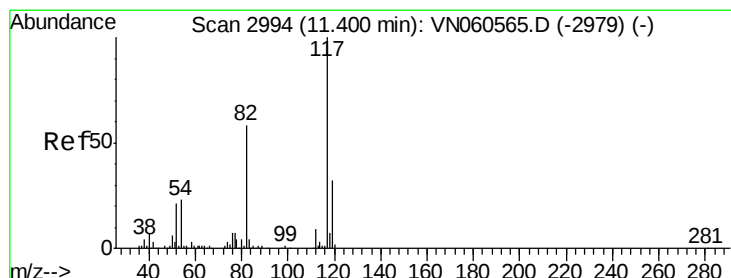
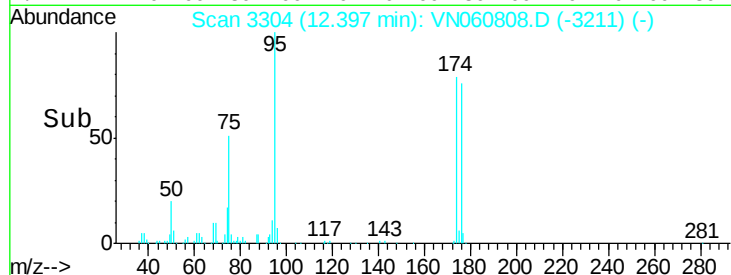
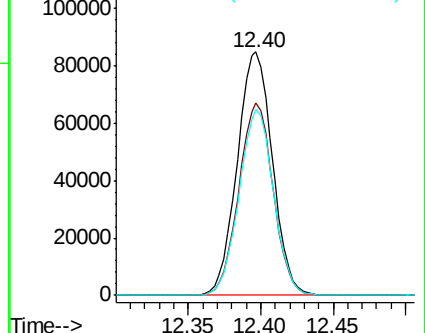
176 74.8 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060808.D

Acq: 1 Apr 2020 14:07

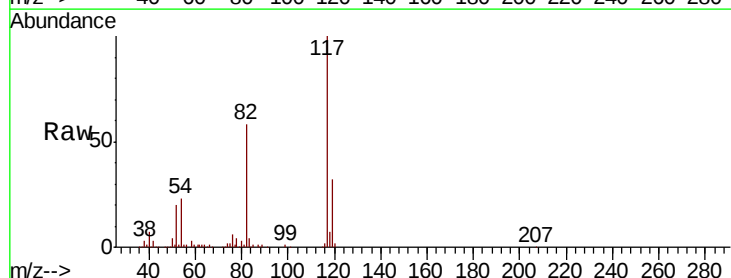
Tgt Ion: 117 Resp: 295199

Ion Ratio Lower Upper

117 100

82 57.8 46.7 70.1

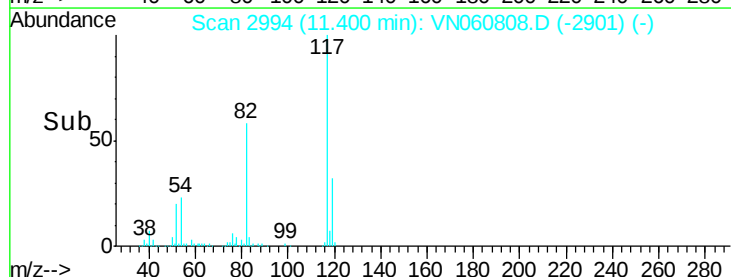
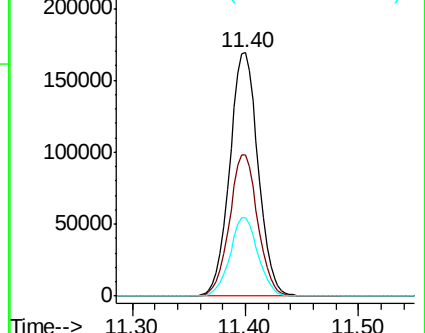
119 32.2 25.5 38.3

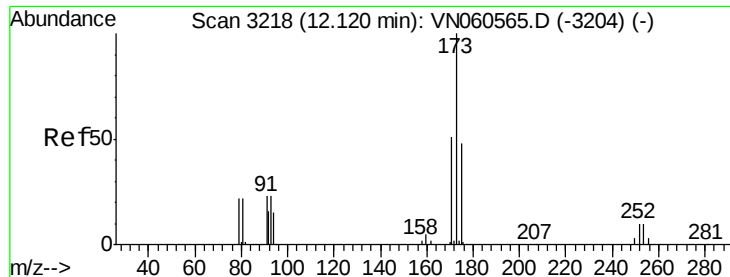


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

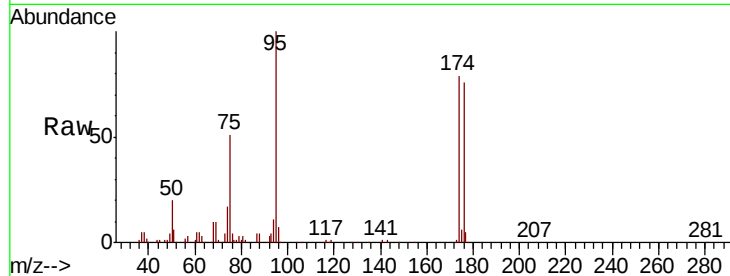




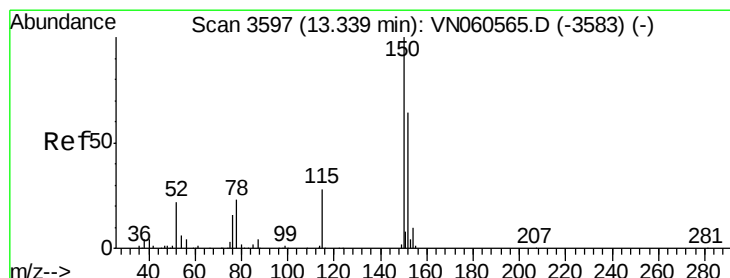
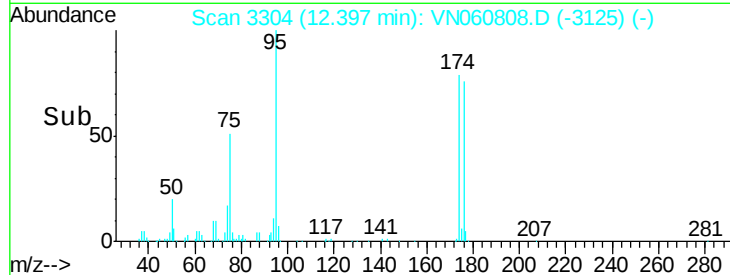
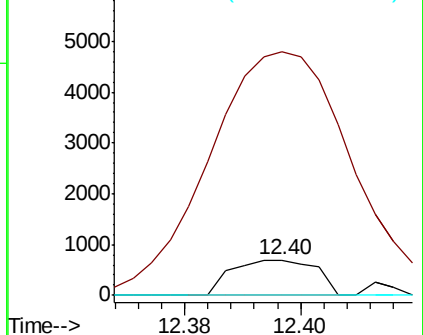
#71
Bromoform
Concen: 2.065 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.28 min
Lab File: VN060808.D
Acq: 1 Apr 2020 14:07

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tot Ion:173 Resp: 700
Ion Ratio Lower Upper
173 100
175 999.1 24.1 72.4#
254 0.0 0.0 0.0

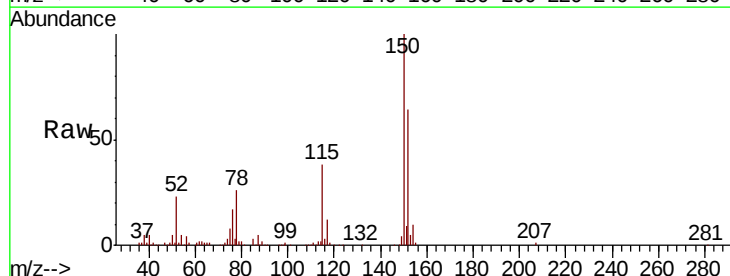


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

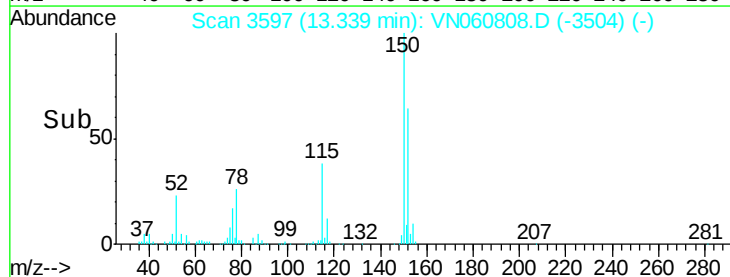
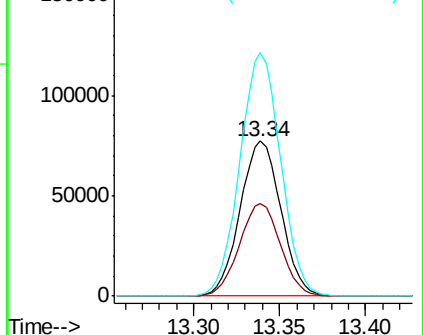


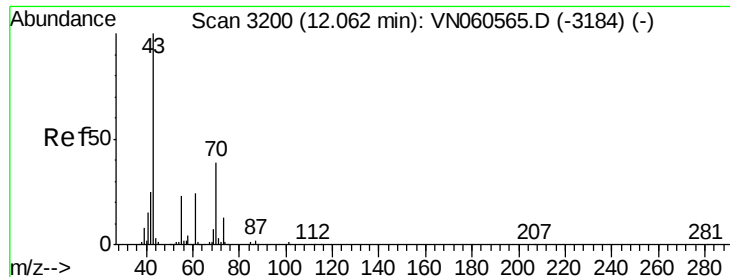
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060808.D
Acq: 1 Apr 2020 14:07

Tgt Ion:152 Resp: 127215
Ion Ratio Lower Upper
152 100
115 60.1 30.2 90.6
150 157.3 0.0 350.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.228 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060808.D

Acq: 1 Apr 2020 14:07

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

Tot Ion: 43 Resp: 1006

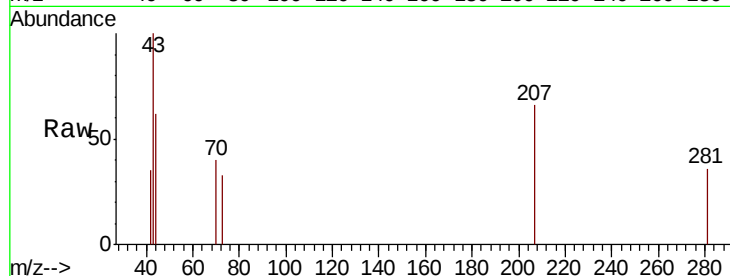
Ion Ratio Lower Upper

43 100

70 18.3 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

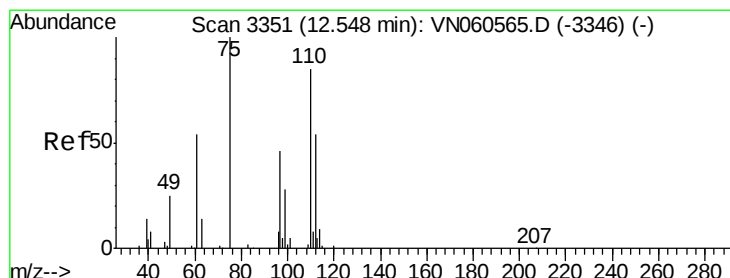
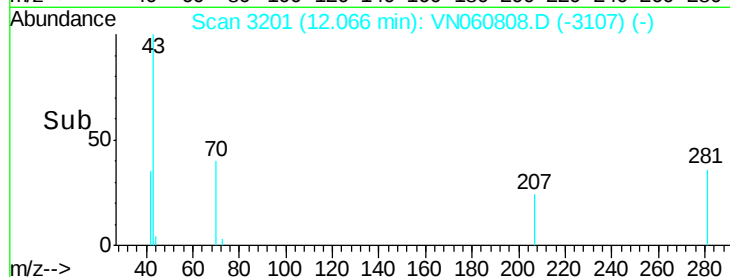
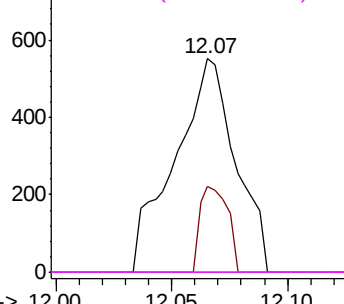


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 26.255 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060808.D

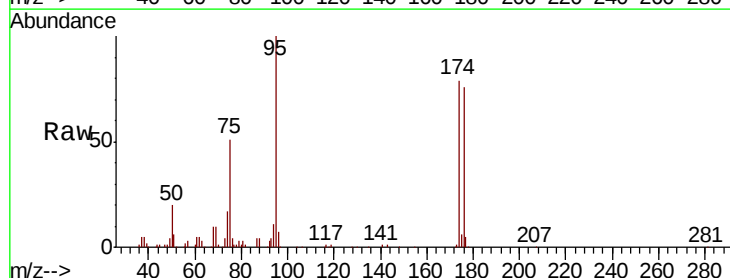
Acq: 1 Apr 2020 14:07

Tgt Ion: 75 Resp: 72070

Ion Ratio Lower Upper

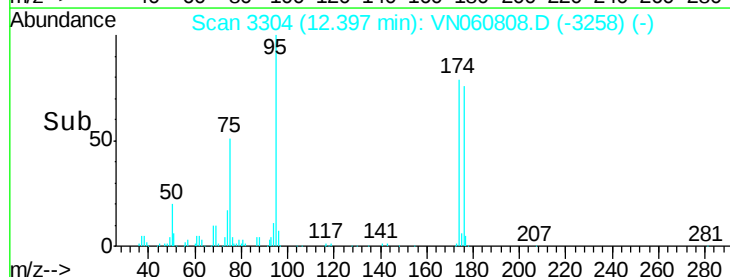
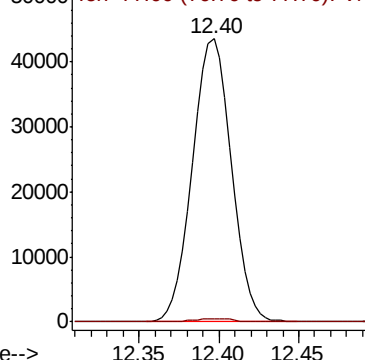
75 100

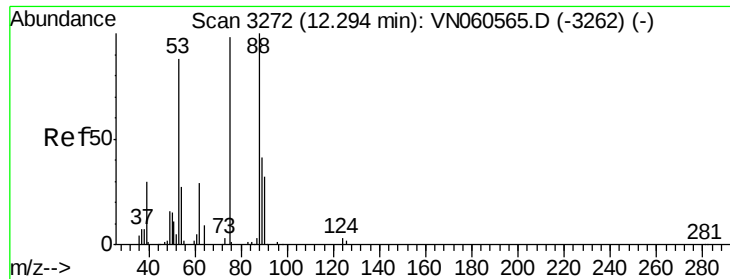
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 67.430 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060808.D

Acq: 1 Apr 2020 14:07

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

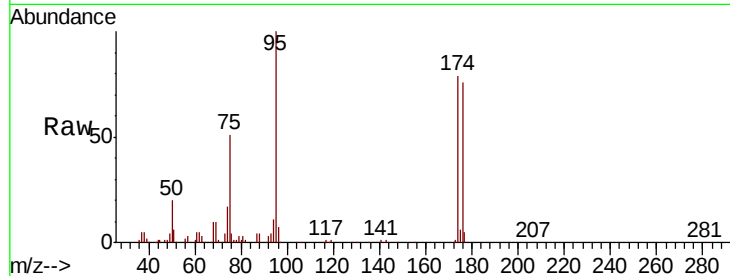
Tot Ion: 75 Resp: 72070

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

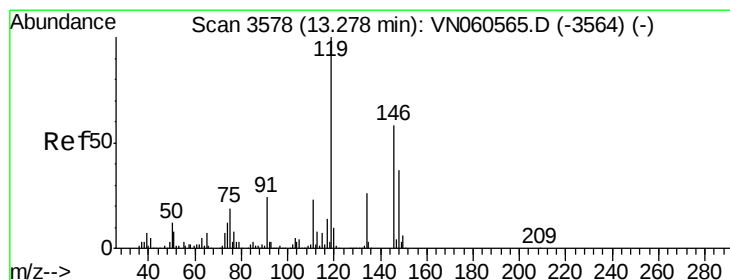
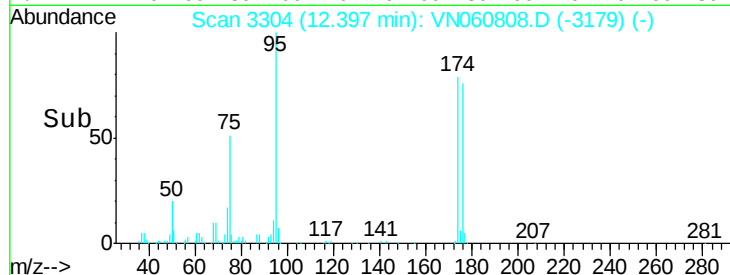
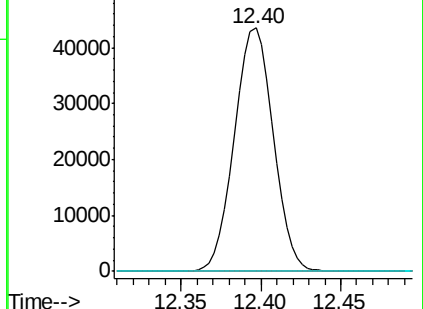
89 0.0 34.8 52.2#



Abundance Ion 74.90 (74.60 to 75.60): VN060808.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN060808.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN060808.D (-3179) (-)



#87

1,3-Dichlorobenzene

Concen: 0.224 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060808.D

Acq: 1 Apr 2020 14:07

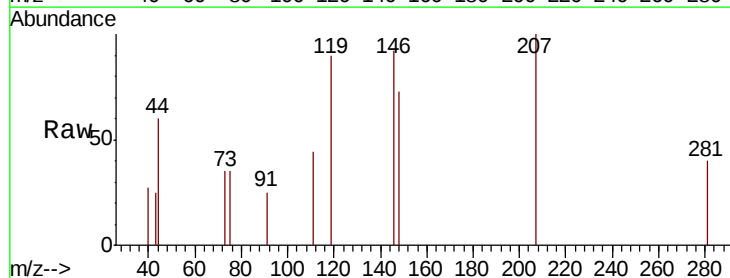
Tgt Ion: 146 Resp: 907

Ion Ratio Lower Upper

146 100

111 31.9 20.3 60.8

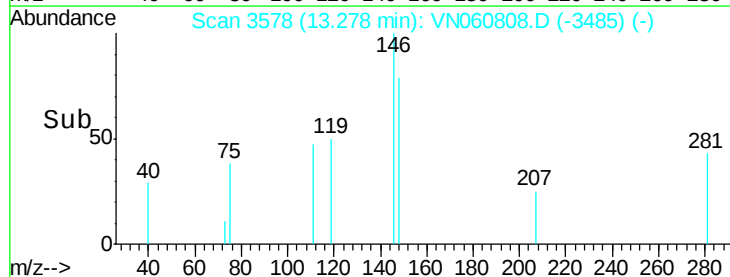
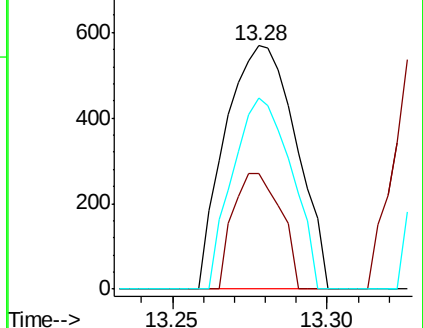
148 65.2 32.5 97.4

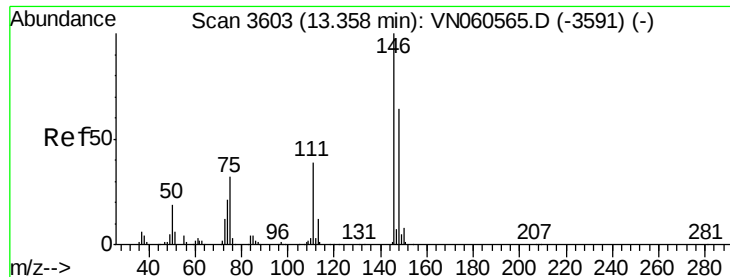


Abundance Ion 145.90 (145.60 to 146.60): VN060808.D (-3485) (-)

Ion 110.90 (110.60 to 111.60): VN060808.D (-3485) (-)

Ion 147.90 (147.60 to 148.60): VN060808.D (-3485) (-)





#88

1,4-Dichlorobenzene

Concen: 0.222 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.08 min

Lab File: VN060808.D

Acq: 1 Apr 2020 14:07

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

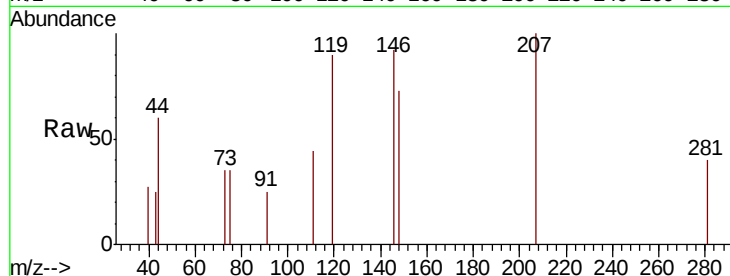
Tot Ion:146 Resp: 907

Ion Ratio Lower Upper

146 100

111 31.9 19.6 58.7

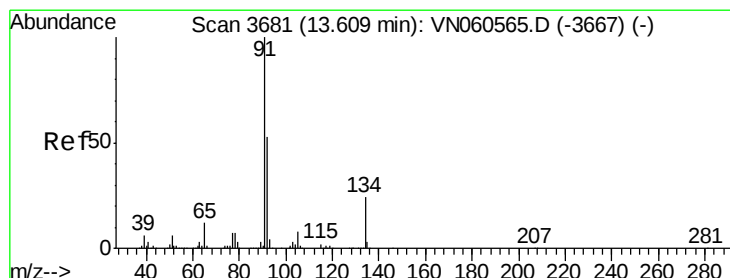
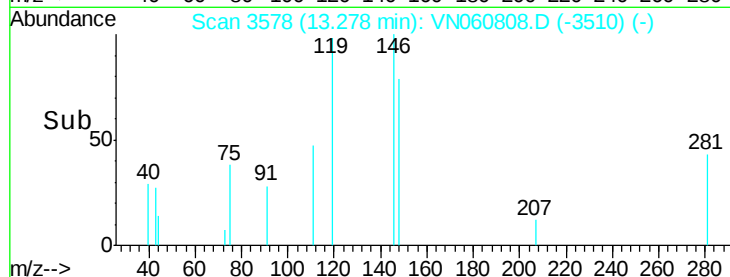
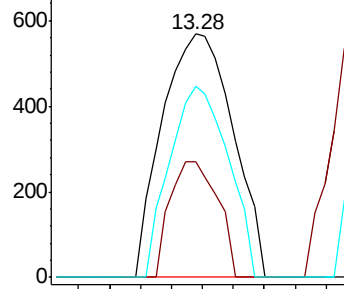
148 65.2 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.287 ug/l

RT: 13.61 min Scan# 3681

Delta R.T. -0.00 min

Lab File: VN060808.D

Acq: 1 Apr 2020 14:07

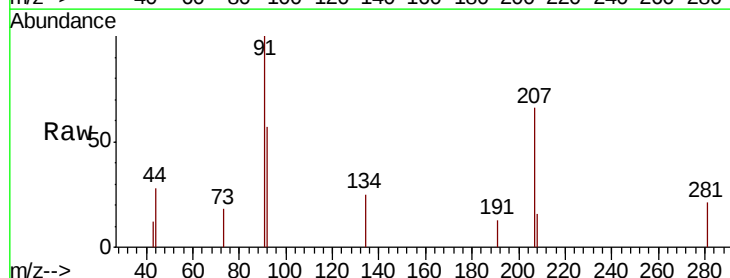
Tgt Ion: 91 Resp: 2104

Ion Ratio Lower Upper

91 100

92 50.5 26.2 78.5

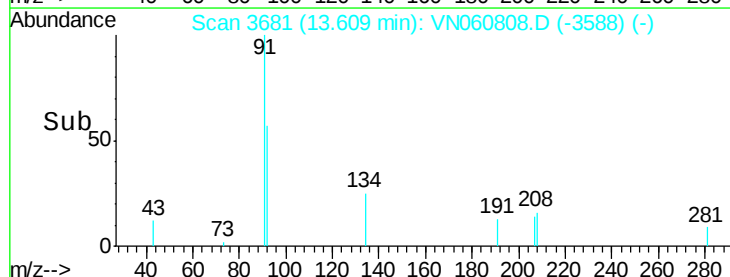
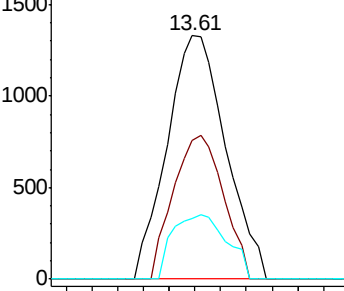
134 24.5 12.3 36.9

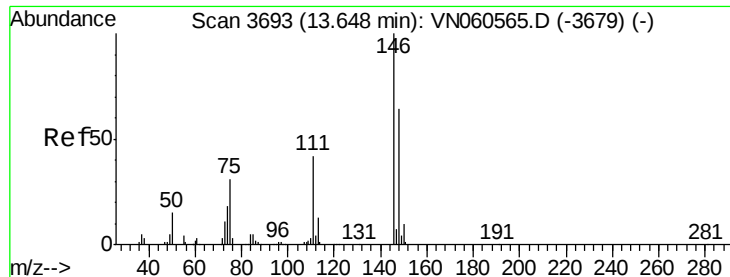


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

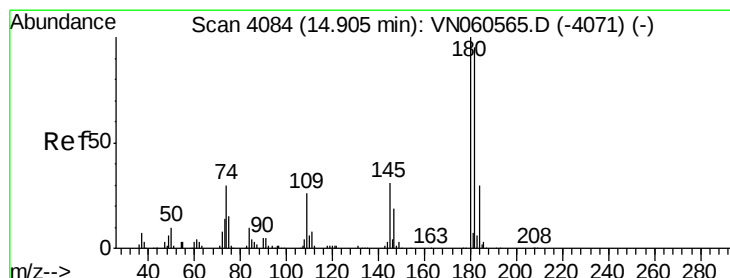
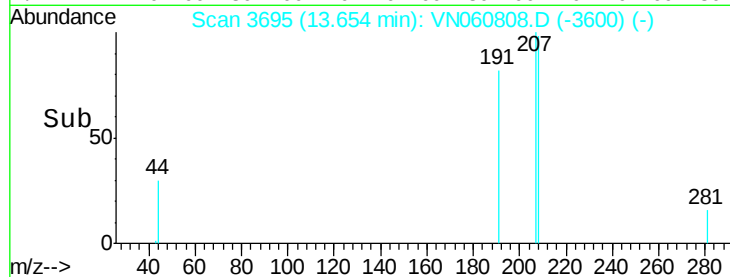
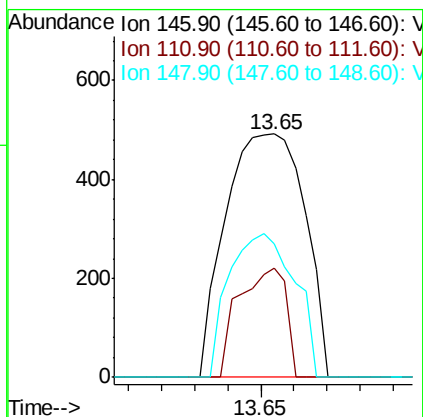
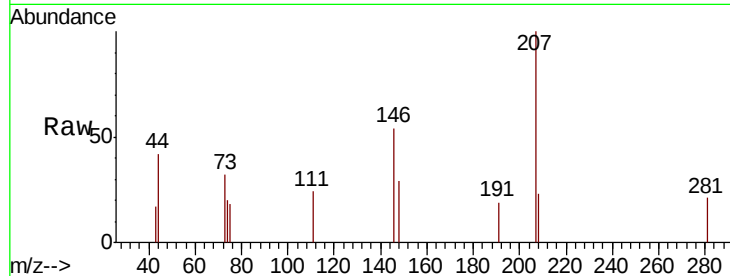




#91
 1,2-Dichlorobenzene
 Concen: 0.209 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.01 min
 Lab File: VN060808.D
 Acq: 1 Apr 2020 14:07

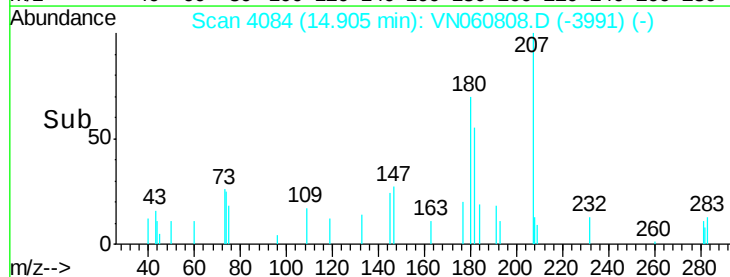
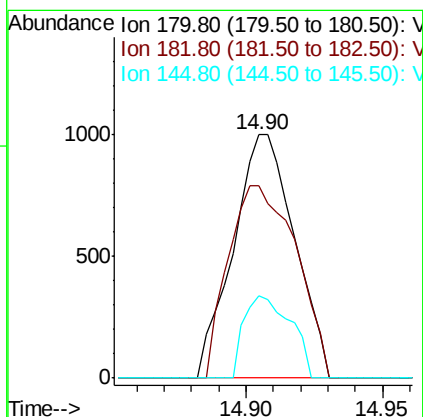
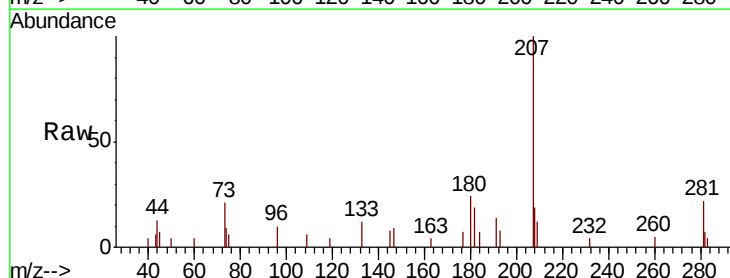
Instrument :
 MSVOA_N
 ClientSampled :
 TRIP-BLANK

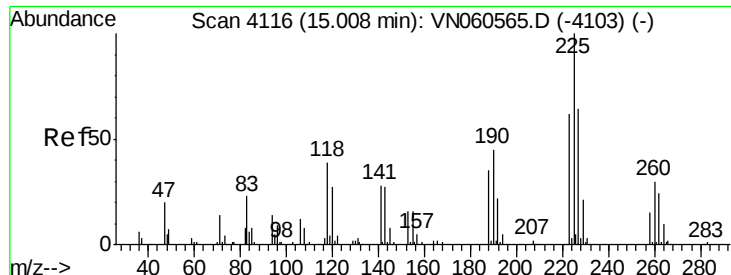
Tot Ion:146 Resp: 812
 Ion Ratio Lower Upper
 146 100
 111 26.8 21.0 63.0
 148 49.0 31.9 95.5



#93
 1,2,4-Trichlorobenzene
 Concen: 0.652 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060808.D
 Acq: 1 Apr 2020 14:07

Tgt Ion:180 Resp: 1554
 Ion Ratio Lower Upper
 180 100
 182 88.2 47.9 143.8
 145 25.7 15.4 46.2





#94

Hexachlorobutadiene

Concen: 0.507 ug/l

RT: 15.00 min Scan# 4114

Delta R.T. -0.01 min

Lab File: VN060808.D

Acq: 1 Apr 2020 14:07

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

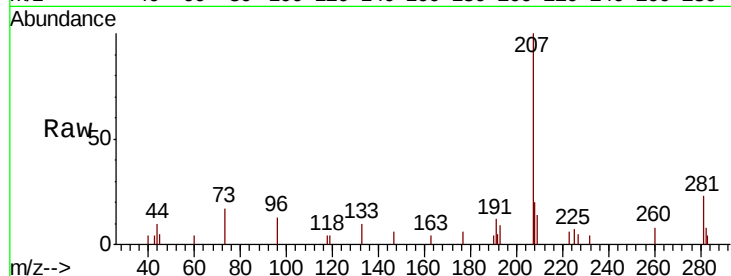
Tot Ion:225 Resp: 592

Ion Ratio Lower Upper

225 100

223 63.3 31.6 95.0

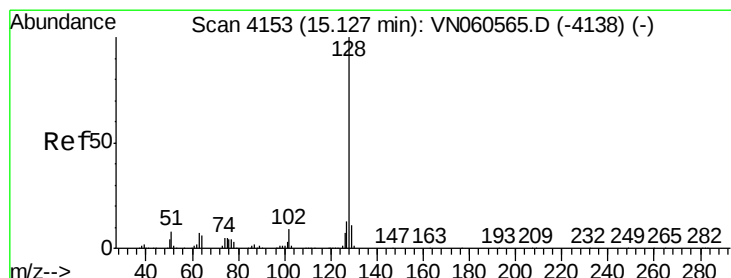
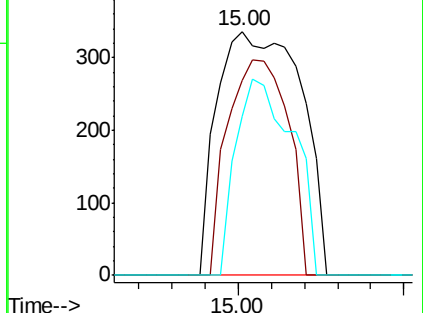
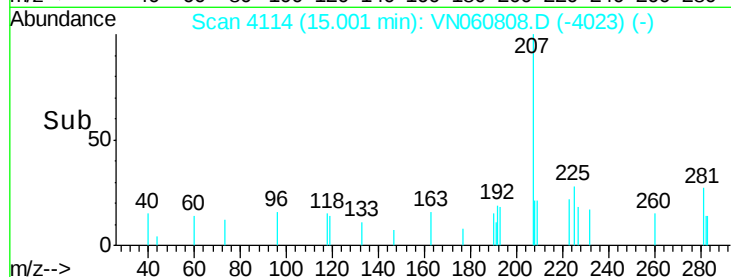
227 54.9 32.3 96.8



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.849 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN060808.D

Acq: 1 Apr 2020 14:07

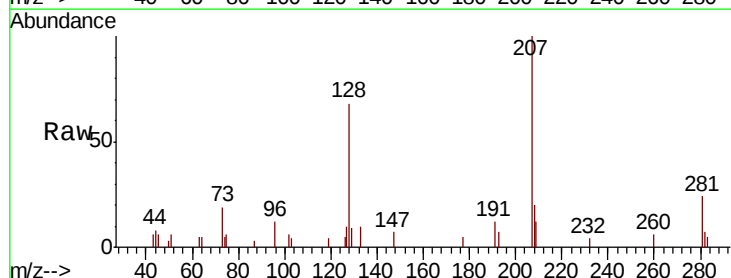
Tgt Ion:128 Resp: 6081

Ion Ratio Lower Upper

128 100

127 11.3 10.2 15.2

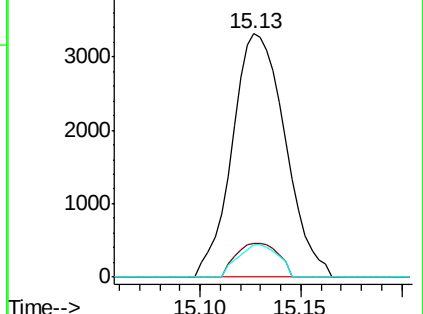
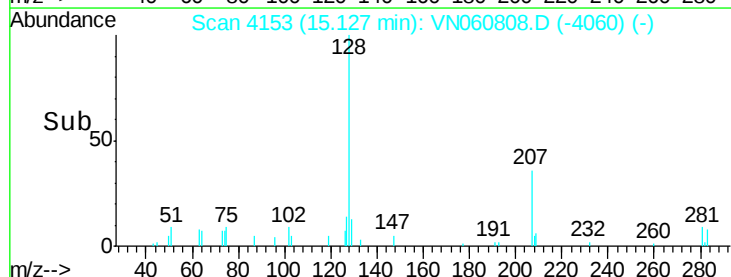
129 10.1 8.8 13.2

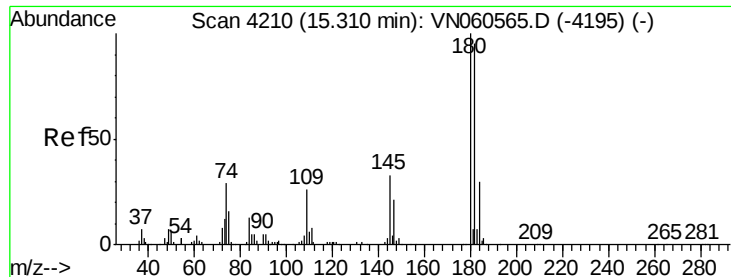


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.729 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN060808.D
 Acq: 1 Apr 2020 14:07

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.5	142.6
145	23.6	16.3	48.8

