

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060609.D
 Acq On : 18 Mar 2020 22:50
 Operator : JC/MD
 Sample : L1798-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PT-VOA-WP

Quant Time: Mar 19 08:28:25 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	201296	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	343641	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	309914	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	145866	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	133180	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
35) Dibromofluoromethane	7.56	113	99347	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	
50) Toluene-d8	10.08	98	399496	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	
62) 4-Bromofluorobenzene	12.40	95	141732	45.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.14%	

Target Compounds

						Qvalue
3) Chloromethane	2.04	50	207304	56.988	ug/l	100
5) Bromomethane	2.55	94	39327	32.019	ug/l	96
10) Methyl Iodide	3.93	142	39373	21.787	ug/l	98
16) Acetone	3.78	43	183834	187.810	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	779687	104.055	ug/l	98
24) 1,1-Dichloroethane	5.82	63	577707	130.859	ug/l	99
25) 2-Butanone	6.80	43	177419	112.013	ug/l	98
30) Chloroform	7.35	83	253190	59.825	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	85330	23.388	ug/l	99
38) Carbon Tetrachloride	7.75	117	251071	84.187	ug/l	98
40) Benzene	8.02	78	213498	21.254	ug/l	100
44) Trichloroethene	8.82	130	13181	5.205	ug/l	95
46) Dibromomethane	9.19	93	57051	35.603	ug/l	99
47) Bromodichloromethane	9.39	83	131358	39.449	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	222169	65.844	ug/l	100
52) Toluene	10.14	92	147996	24.396	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	372945	97.505	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	133890	31.908	ug/l	98
59) 2-Hexanone	10.74	43	129164	53.141	ug/l	99
60) Dibromochloromethane	10.89	129	186308	77.282	ug/l	99
64) Tetrachloroethene	10.62	164	1378	0.565	ug/l	89
65) Chlorobenzene	11.43	112	617265	100.470	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	63665	28.621	ug/l	98
67) Ethyl Benzene	11.50	91	848435	74.260	ug/l	100
68) m/p-Xylenes	11.62	106	325054	76.561	ug/l	99
69) o-Xylene	11.94	106	342169	84.424	ug/l	99
70) Styrene	11.96	104	527911	79.641	ug/l	99
71) Bromoform	12.12	173	1480	2.454	ug/l #	99
74) N-amyl acetate	12.07	43	1021	0.202	ug/l #	66
75) 1,1,2,2-Tetrachloroethane	12.50	83	424813	128.328	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	214224	68.062	ug/l #	100
87) 1,3-Dichlorobenzene	13.28	146	331054	71.160	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	143581	30.719	ug/l	99
89) n-Butylbenzene	13.61	91	2218	0.264	ug/l	95

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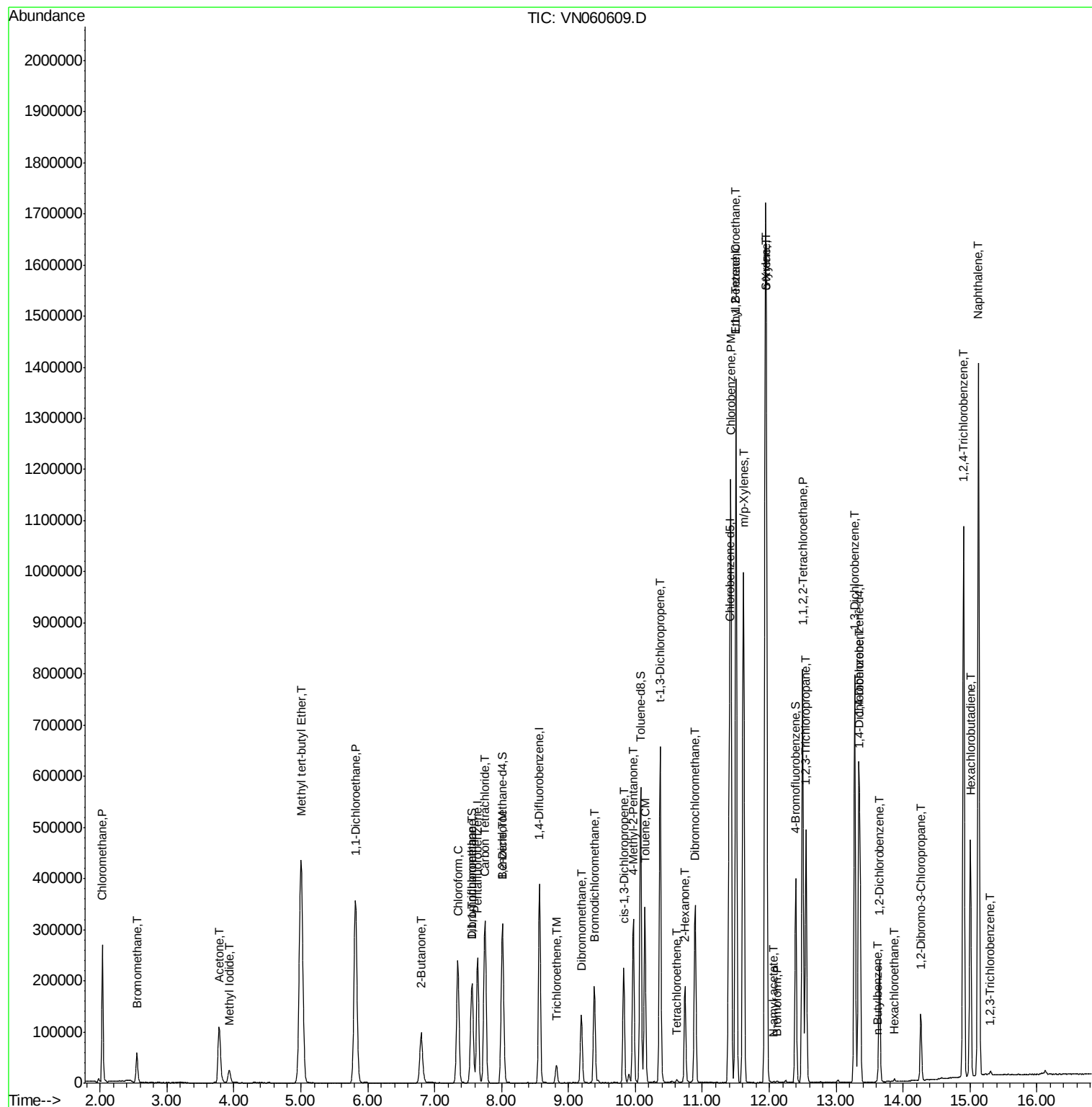
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Hexachloroethane	13.87	117	939	0.694	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	99932	22.464	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	33962	48.976	ug/l	97
93) 1,2,4-Trichlorobenzene	14.90	180	341067	124.852	ug/l	99
94) Hexachlorobutadiene	15.00	225	91908	68.631	ug/l	99
95) Naphthalene	15.13	128	1186377	144.388	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	3205	1.191	ug/l	96

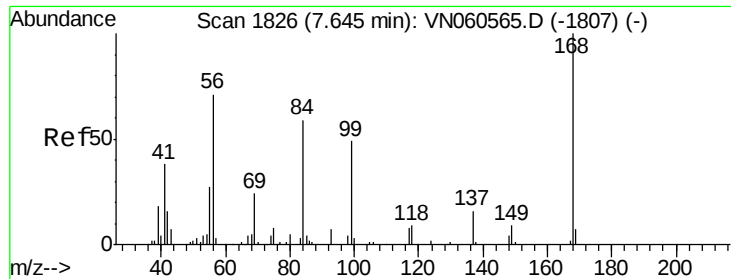
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN060609.D

Acq: 18 Mar 2020 22:50

Instrument :

MSVOA_N

ClientSampleId :

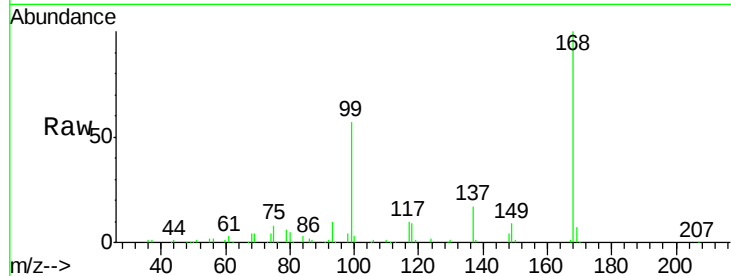
PT-VOA-WP

Tot Ion:168 Resp: 201296

Ion Ratio Lower Upper

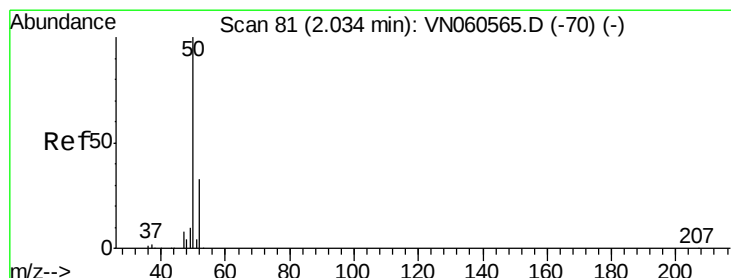
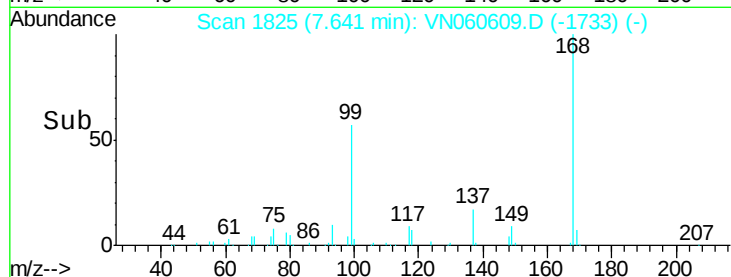
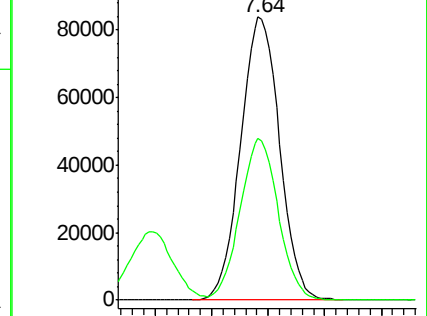
168 100

99 57.1 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 56.988 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060609.D

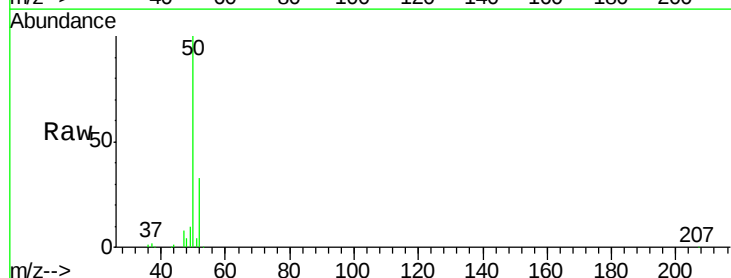
Acq: 18 Mar 2020 22:50

Tgt Ion: 50 Resp: 207304

Ion Ratio Lower Upper

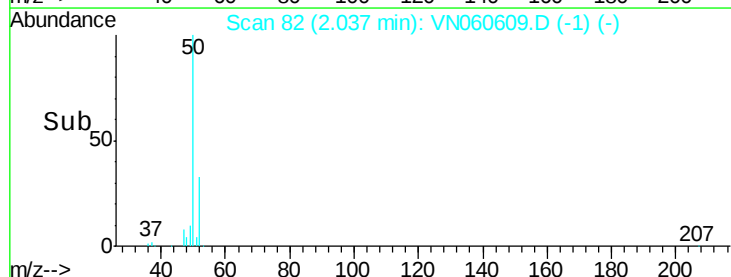
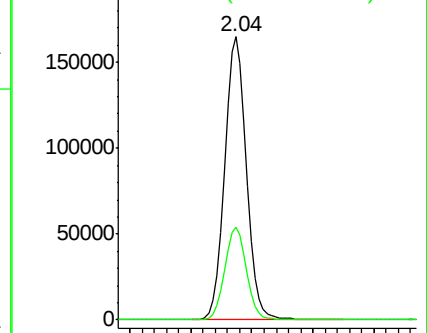
50 100

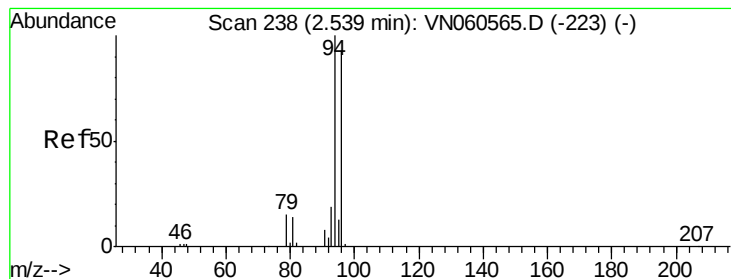
52 32.9 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#5

Bromomethane

Concen: 32.019 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN060609.D

Acq: 18 Mar 2020 22:50

Instrument :

MSVOA_N

ClientSampleId :

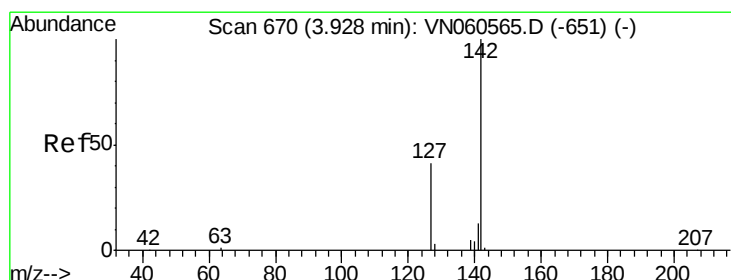
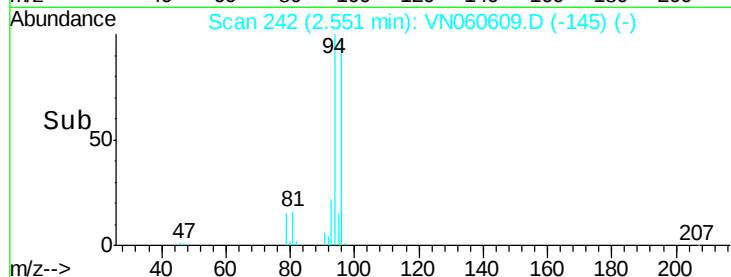
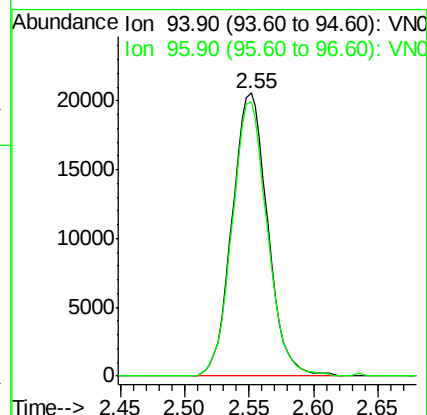
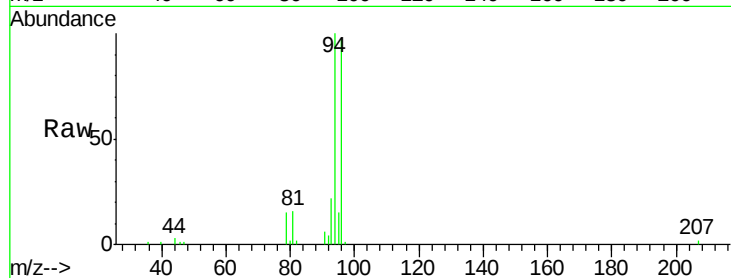
PT-VOA-WP

Tot Ion: 94 Resp: 39327

Ion Ratio Lower Upper

94 100

96 96.8 74.6 112.0



#10

Methyl Iodide

Concen: 21.787 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN060609.D

Acq: 18 Mar 2020 22:50

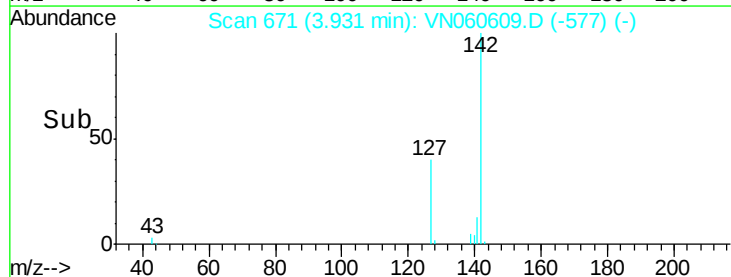
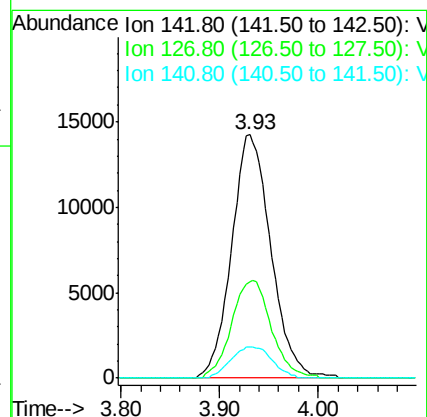
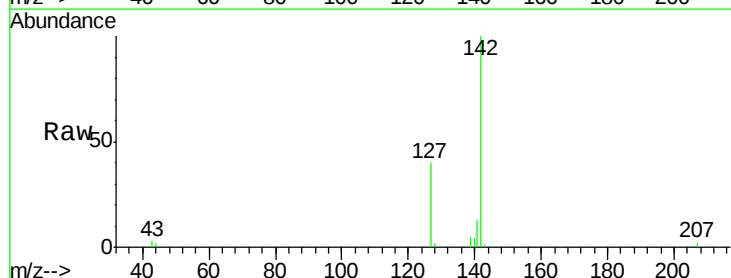
Tgt Ion: 142 Resp: 39373

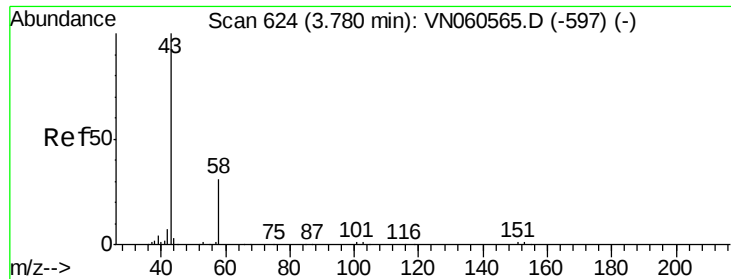
Ion Ratio Lower Upper

142 100

127 40.4 33.5 50.3

141 13.4 11.0 16.6





#16

Acetone

Concen: 187.810 ug/l

RT: 3.78 min Scan# 624

Delta R.T. -0.00 min

Lab File: VN060609.D

Acq: 18 Mar 2020 22:50

Instrument :

MSVOA_N

ClientSampleId :

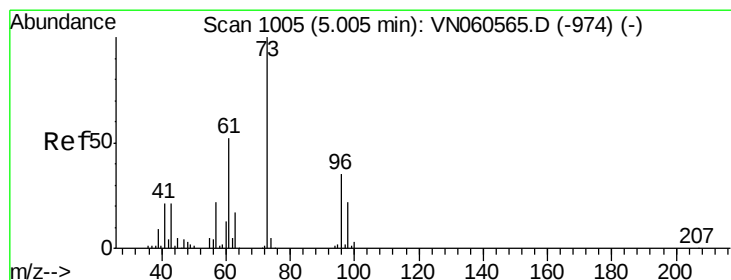
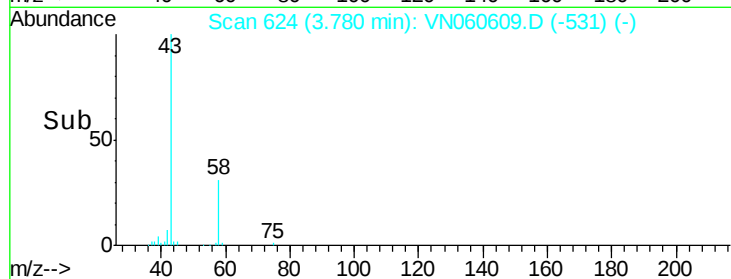
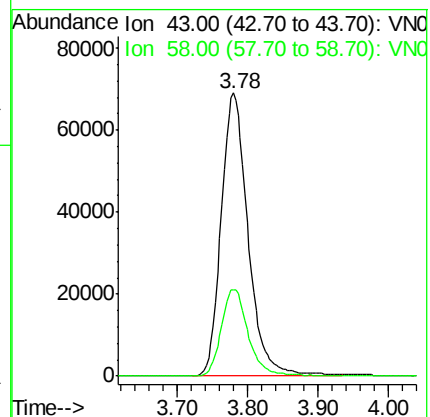
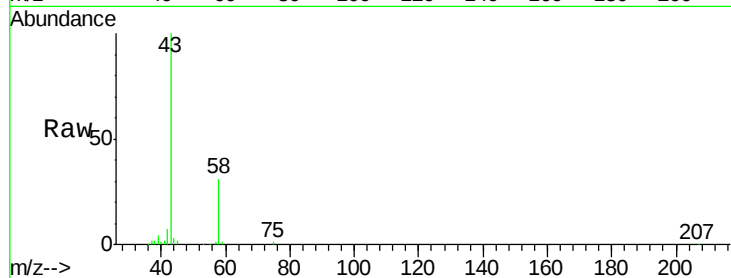
PT-VOA-WP

Tot Ion: 43 Resp: 183834

Ion Ratio Lower Upper

43 100

58 30.6 25.1 37.7



#19

Methyl tert-butyl Ether

Concen: 104.055 ug/l

RT: 5.00 min Scan# 1004

Delta R.T. -0.00 min

Lab File: VN060609.D

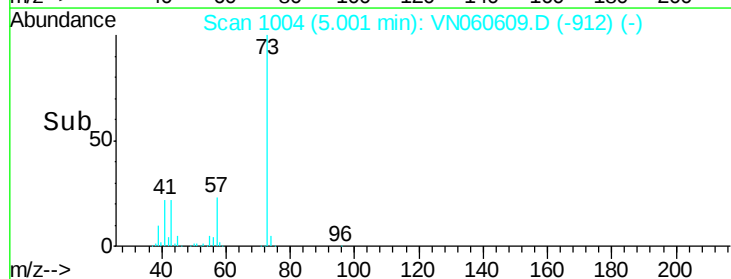
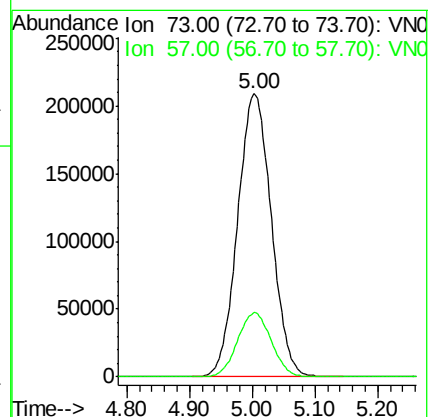
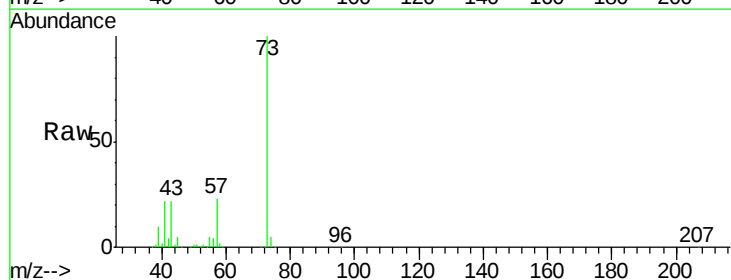
Acq: 18 Mar 2020 22:50

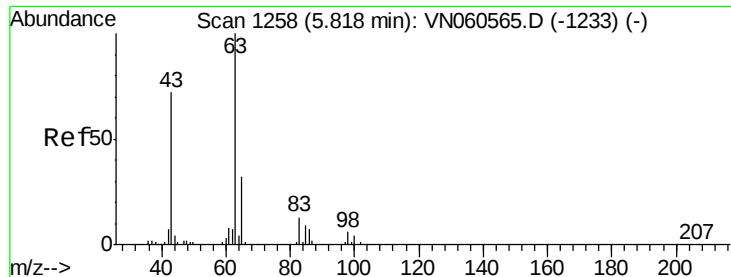
Tgt Ion: 73 Resp: 779687

Ion Ratio Lower Upper

73 100

57 22.7 17.5 26.3





#24

1,1-Dichloroethane

Concen: 130.859 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN060609.D

Acq: 18 Mar 2020 22:50

Instrument :

MSVOA_N

ClientSampled :

PT-VOA-WP

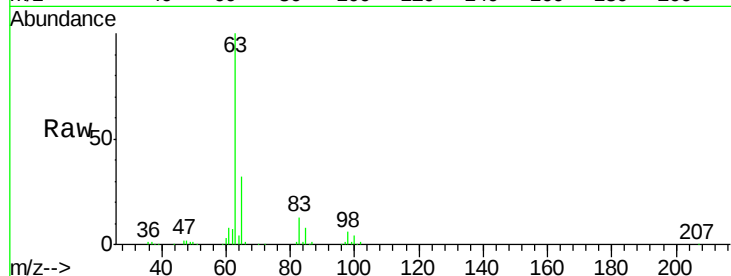
Tot Ion: 63 Resp: 577707

Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.7

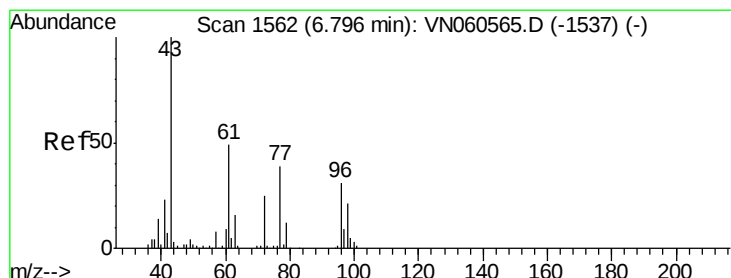
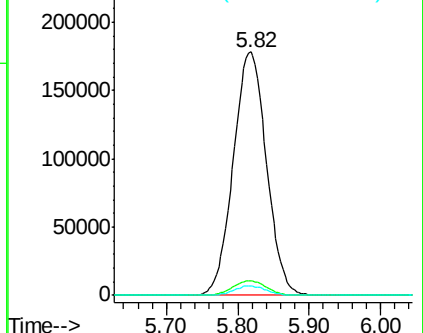
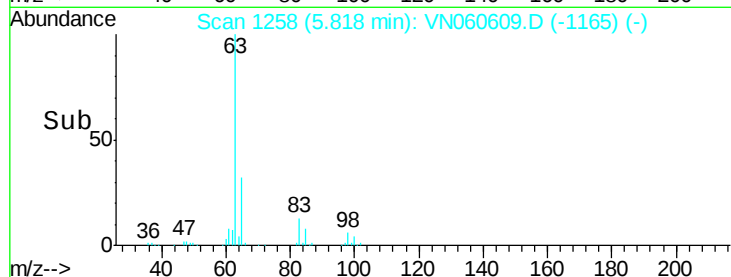
100 3.7 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VN060609.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN060609.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN060609.D (-1165) (-)



#25

2-Butanone

Concen: 112.013 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060609.D

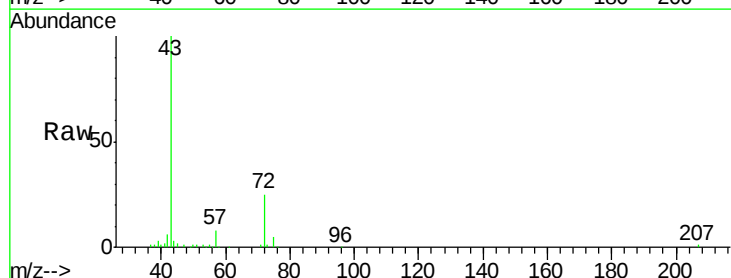
Acq: 18 Mar 2020 22:50

Tgt Ion: 43 Resp: 177419

Ion Ratio Lower Upper

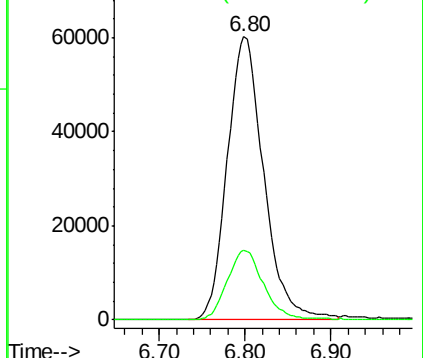
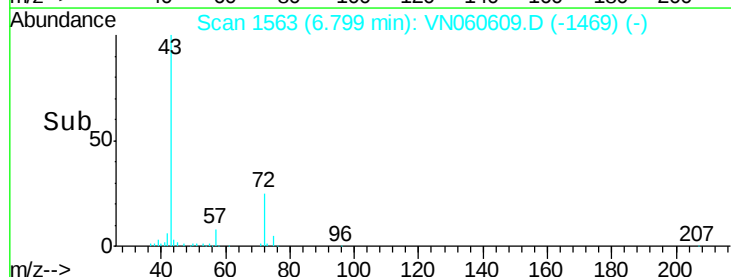
43 100

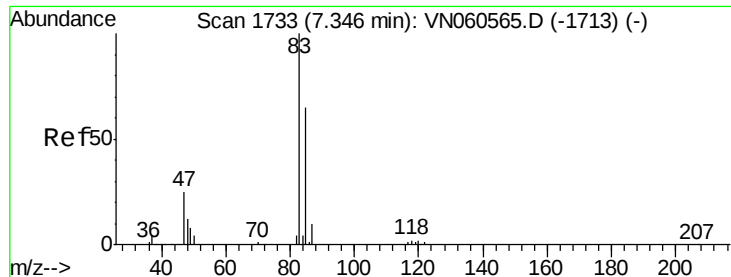
72 24.6 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VN060609.D (-1469) (-)

Ion 72.00 (71.70 to 72.70): VN060609.D (-1469) (-)

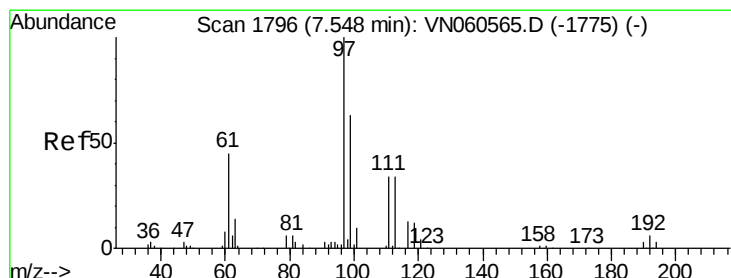
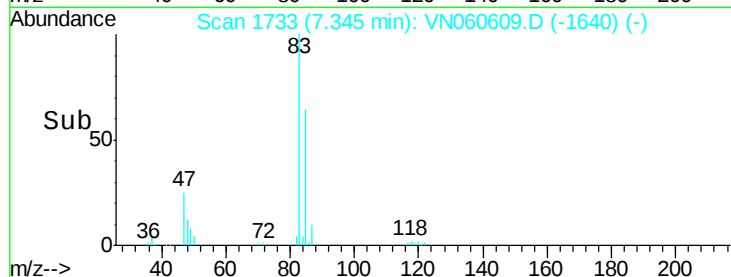
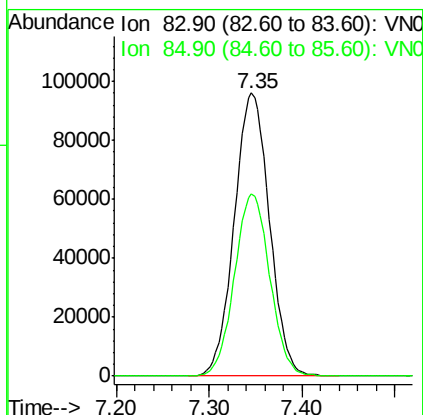
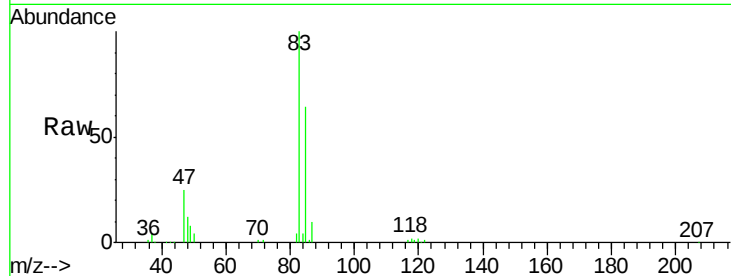




#30
Chloroform
Concen: 59.825 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060609.D
Acq: 18 Mar 2020 22:50

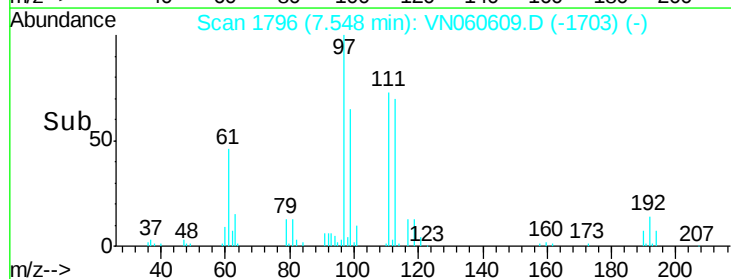
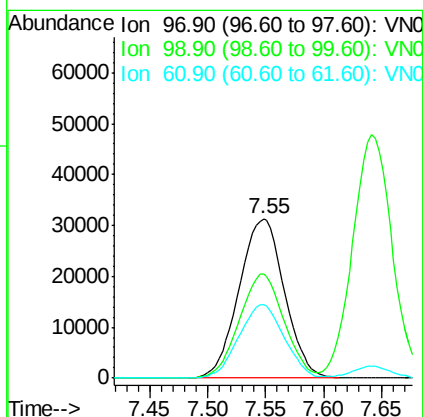
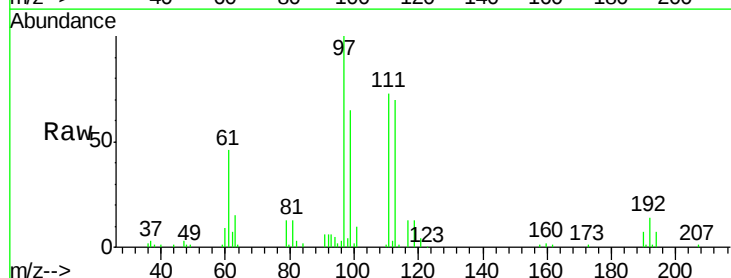
Instrument :
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ClientSampled :
PT-VOA-WP

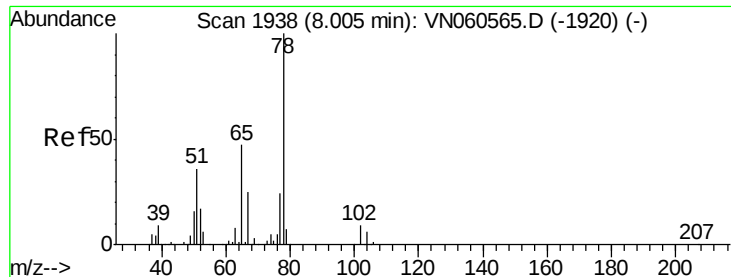
Tot Ion: 83 Resp: 253190
Ion Ratio Lower Upper
83 100
85 64.2 51.8 77.8



#32
1,1,1-Trichloroethane
Concen: 23.388 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN060609.D
Acq: 18 Mar 2020 22:50

Tgt Ion: 97 Resp: 85330
Ion Ratio Lower Upper
97 100
99 64.4 50.6 75.8
61 46.0 36.2 54.4

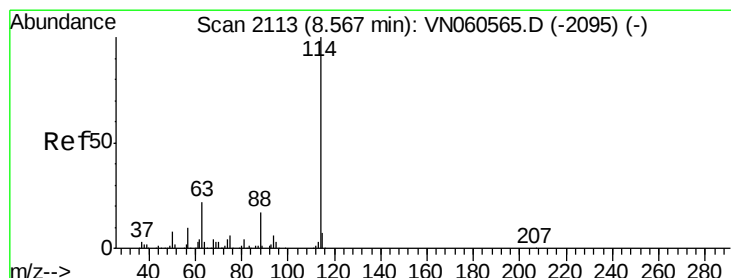
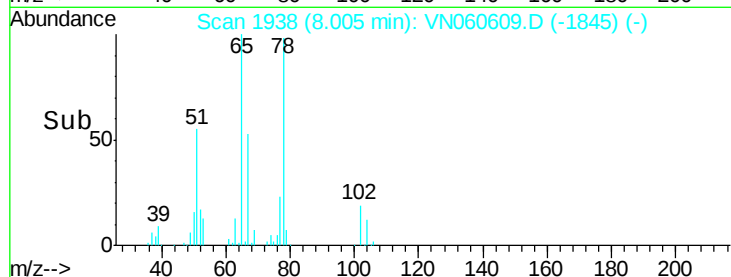
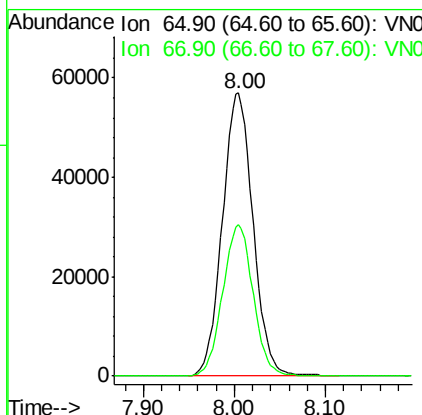
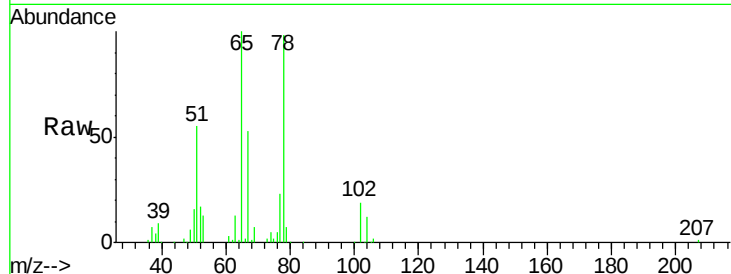




#33
 1,2-Dichloroethane-d4
 Concen: 48.195 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060609.D
 Acq: 18 Mar 2020 22:50

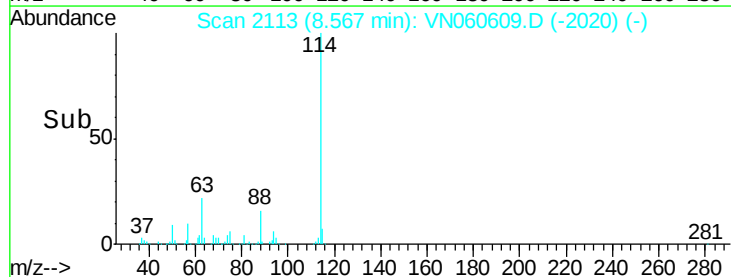
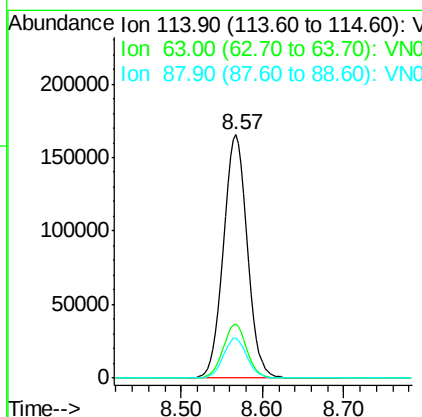
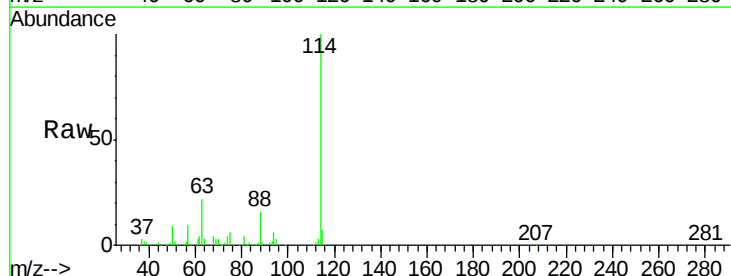
Instrument :
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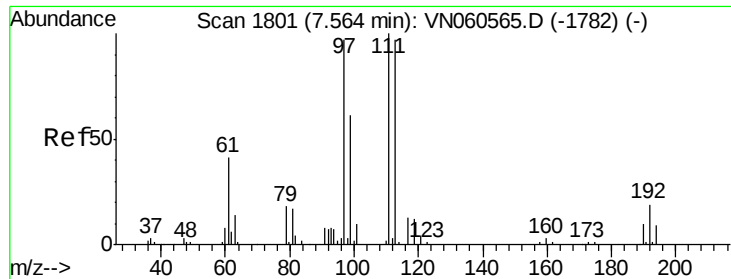
Tot Ion: 65 Resp: 133180
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060609.D
 Acq: 18 Mar 2020 22:50

Tgt Ion: 114 Resp: 343641
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 43.8
 88 16.4 0.0 33.0

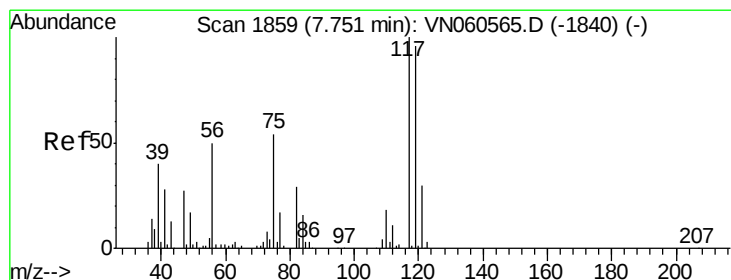
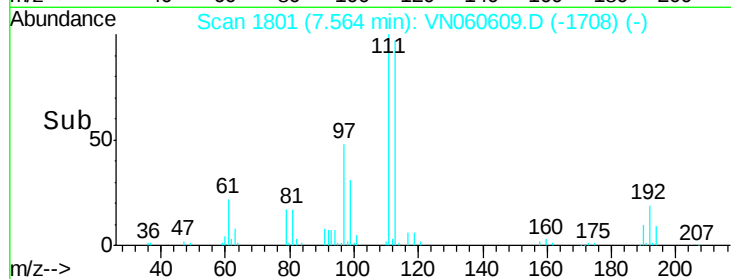
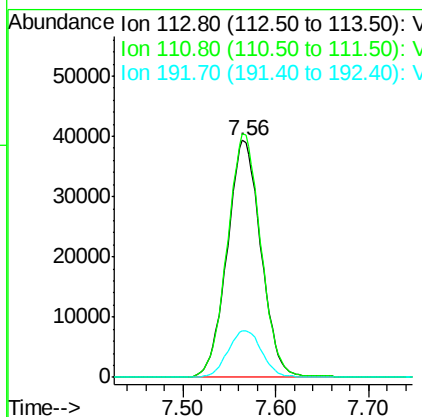
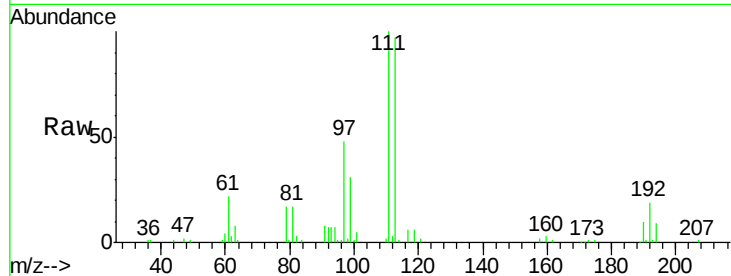




#35
 Dibromofluoromethane
 Concen: 47.811 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060609.D
 Acq: 18 Mar 2020 22:50

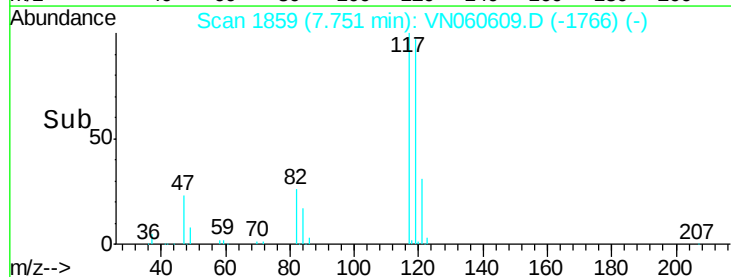
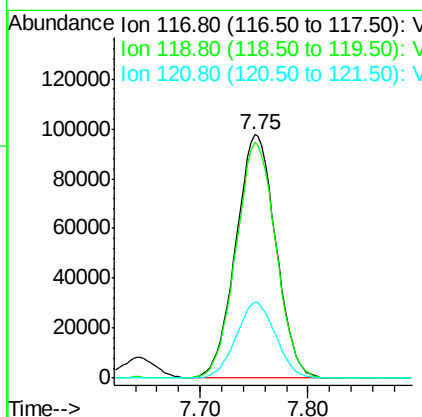
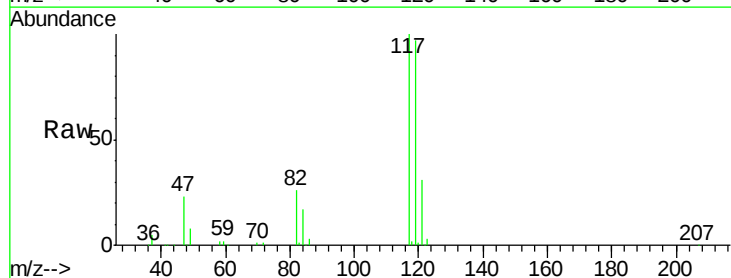
Instrument :
 MSVOA_N
 ClientSampled :
 PT-VOA-WP

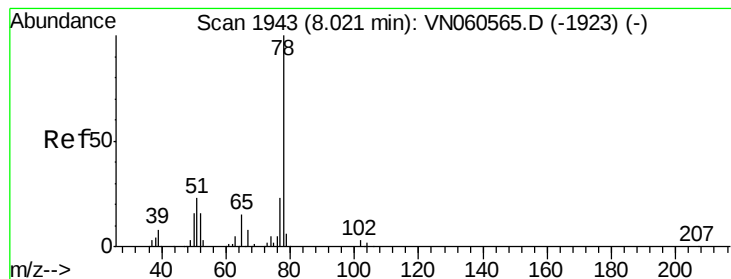
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.9	124.3
192	19.7	15.8	23.8



#38
 Carbon Tetrachloride
 Concen: 84.187 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN060609.D
 Acq: 18 Mar 2020 22:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.2	114.2
121	31.3	23.7	35.5





#40

Benzene

Concen: 21.254 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN060609.D

Acq: 18 Mar 2020 22:50

Instrument :

MSVOA_N

ClientSampleId :

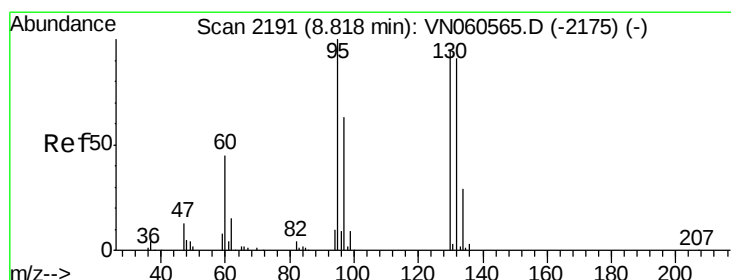
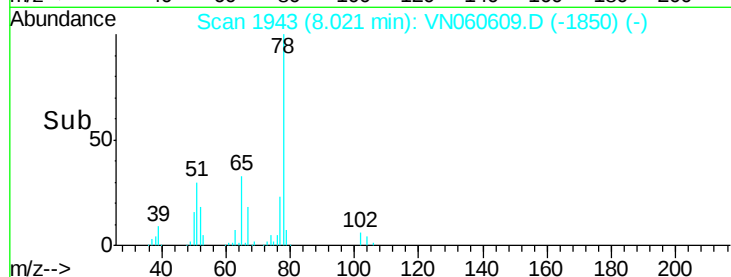
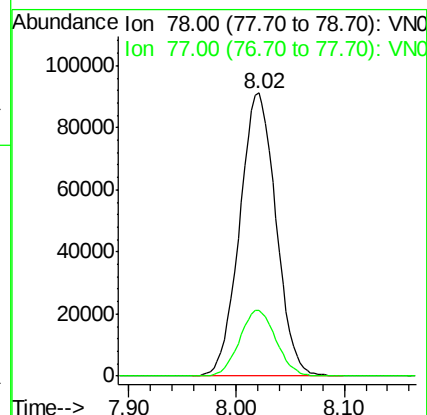
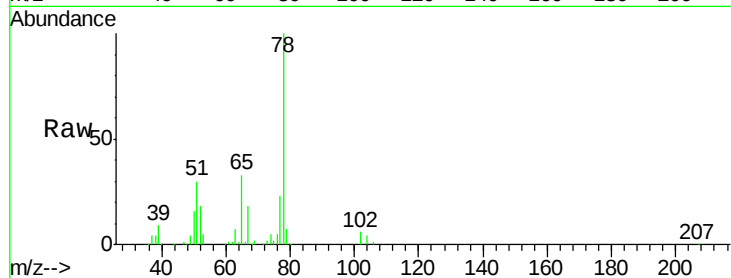
PT-VOA-WP

Tot Ion: 78 Resp: 213498

Ion Ratio Lower Upper

78 100

77 23.3 18.6 28.0



#44

Trichloroethene

Concen: 5.205 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN060609.D

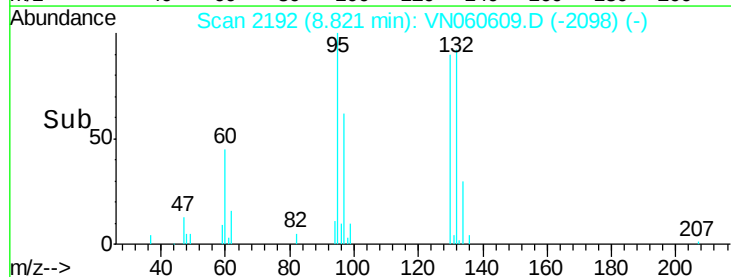
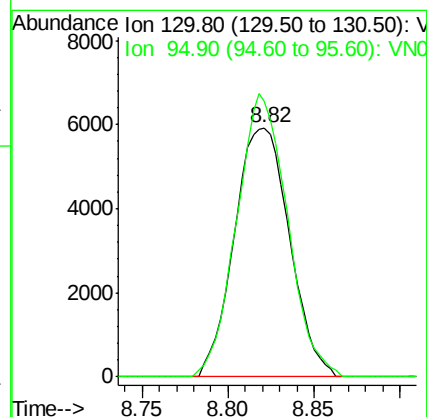
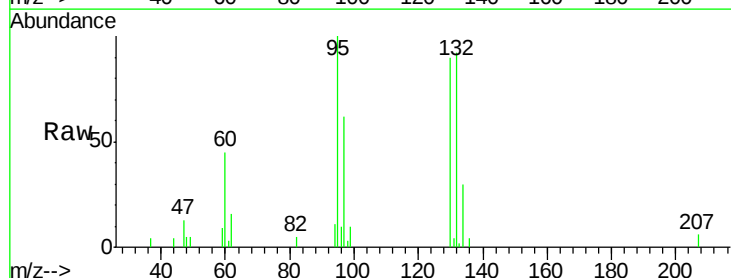
Acq: 18 Mar 2020 22:50

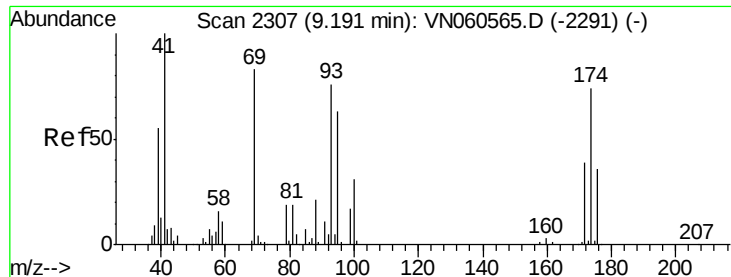
Tgt Ion: 130 Resp: 13181

Ion Ratio Lower Upper

130 100

95 110.6 0.0 211.2

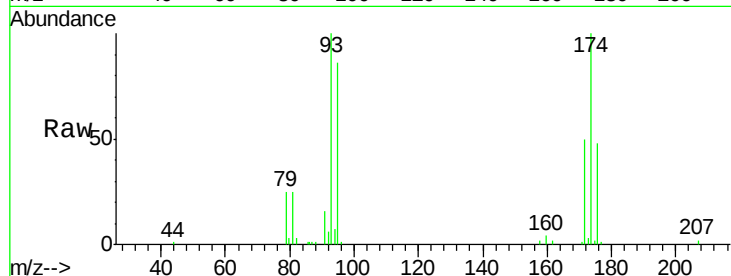




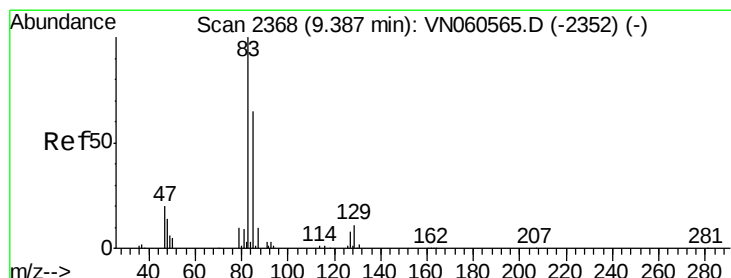
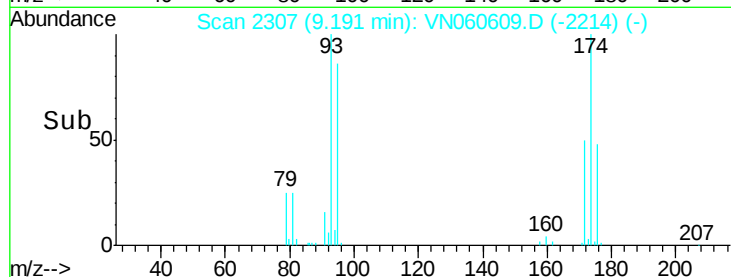
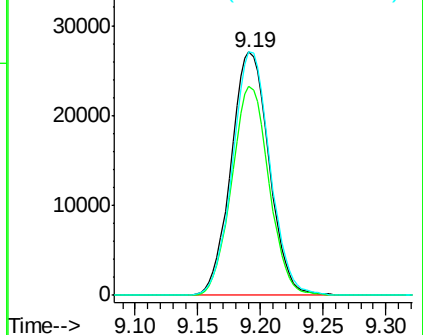
#46
Dibromomethane
Concen: 35.603 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN060609.D
Acq: 18 Mar 2020 22:50

Instrument :
MSVOA_N
ClientSampleId :
PT-VOA-WP

Tot Ion: 93 Resp: 57051
Ion Ratio Lower Upper
93 100
95 84.0 66.2 99.4
174 98.5 77.9 116.9

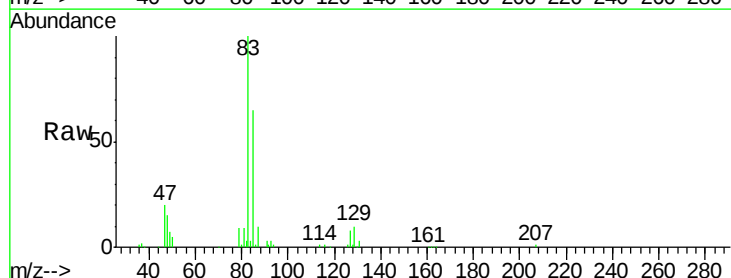


Abundance Ion 92.80 (92.50 to 93.50): VN0
Ion 94.80 (94.50 to 95.50): VN0
Ion 173.70 (173.40 to 174.40): V

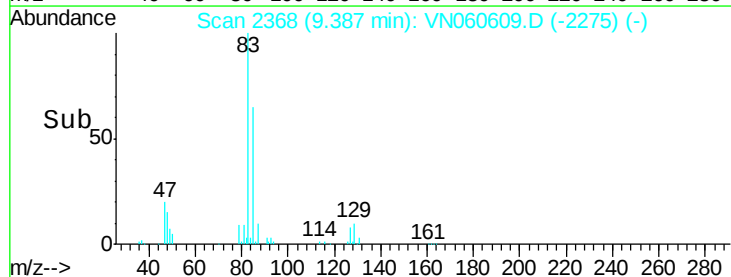
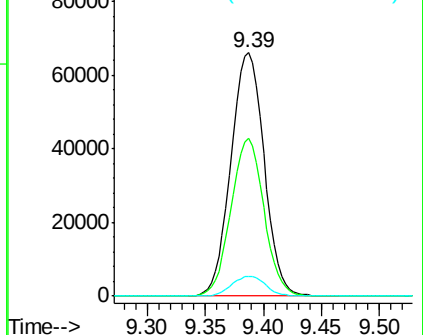


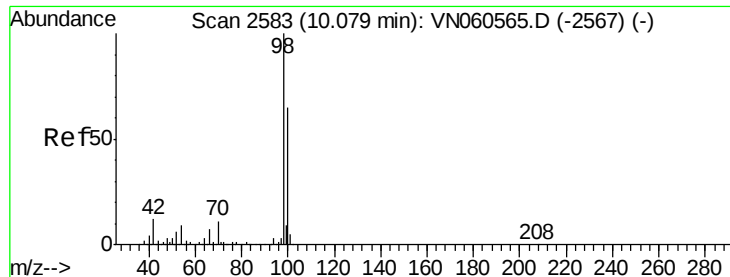
#47
Bromodichloromethane
Concen: 39.449 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN060609.D
Acq: 18 Mar 2020 22:50

Tgt Ion: 83 Resp: 131358
Ion Ratio Lower Upper
83 100
85 64.7 51.8 77.6
127 8.2 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V





#50

Toluene-d8

Concen: 47.070 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060609.D

Acq: 18 Mar 2020 22:50

Instrument :

MSVOA_N

ClientSampleId :

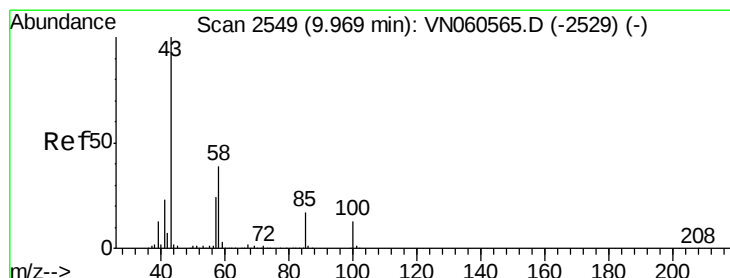
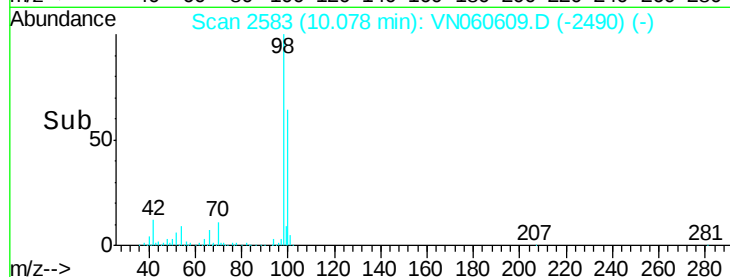
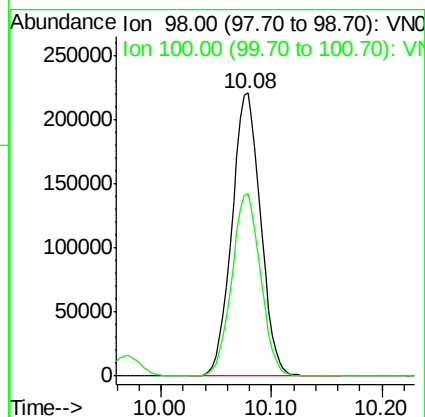
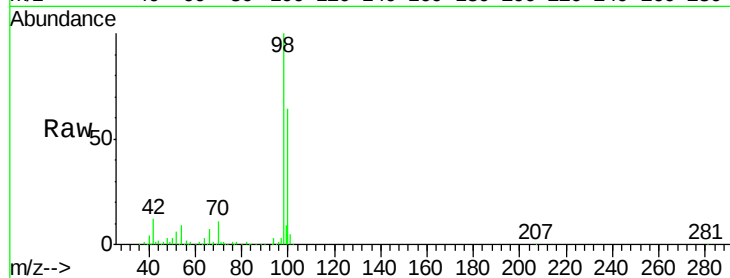
PT-VOA-WP

Tot Ion: 98 Resp: 399496

Ion Ratio Lower Upper

98 100

100 64.5 51.8 77.8



#51

4-Methyl-2-Pentanone

Concen: 65.844 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060609.D

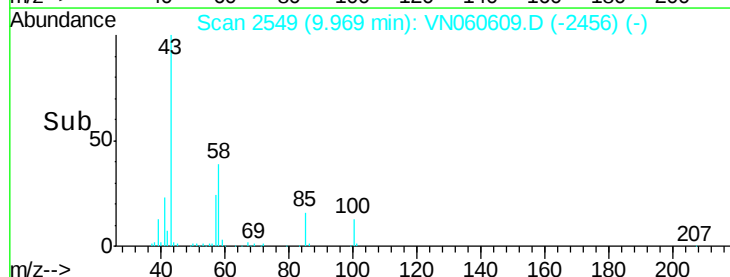
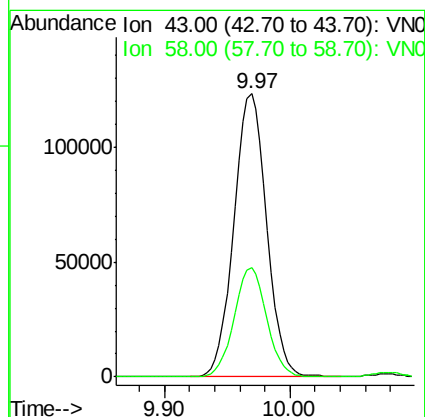
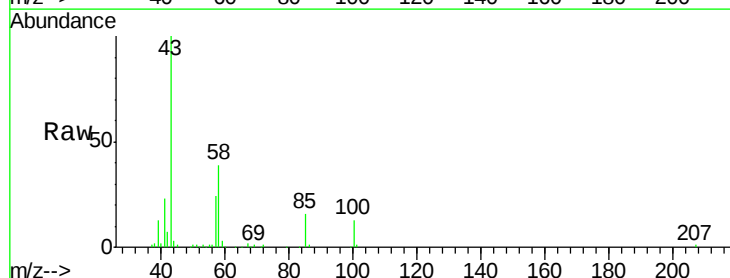
Acq: 18 Mar 2020 22:50

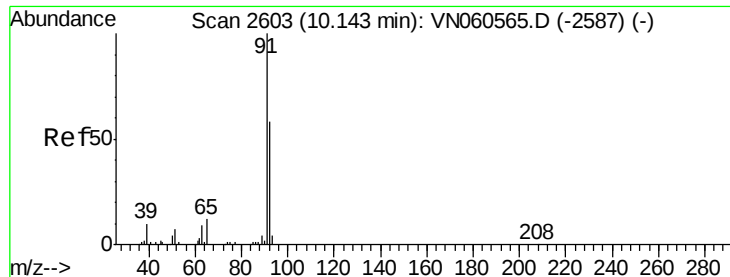
Tgt Ion: 43 Resp: 222169

Ion Ratio Lower Upper

43 100

58 38.5 30.8 46.2





#52

Toluene

Concen: 24.396 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060609.D

Acq: 18 Mar 2020 22:50

Instrument :

MSVOA_N

ClientSampleId :

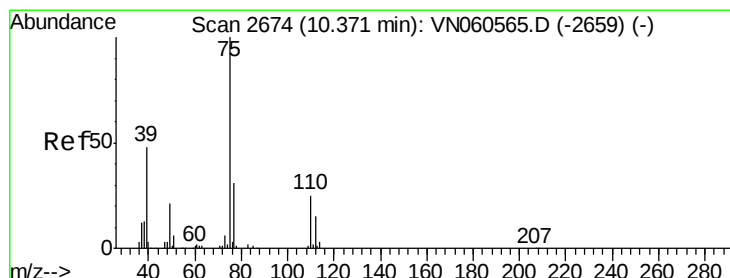
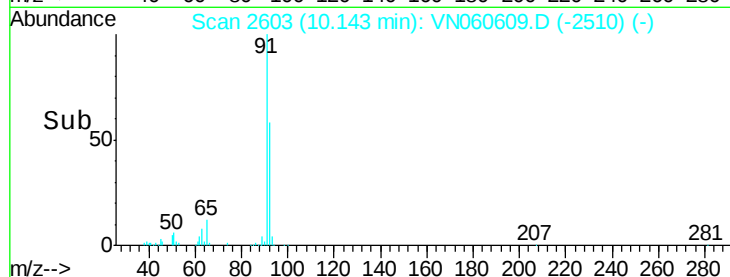
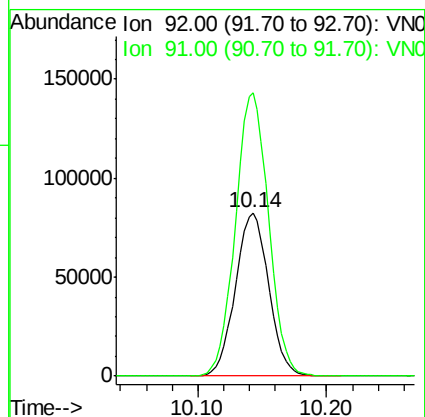
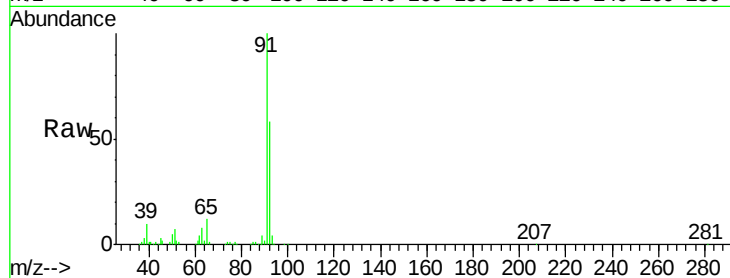
PT-VOA-WP

Tot Ion: 92 Resp: 147996

Ion Ratio Lower Upper

92 100

91 172.6 137.6 206.4



#53

t-1,3-Dichloropropene

Concen: 97.505 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN060609.D

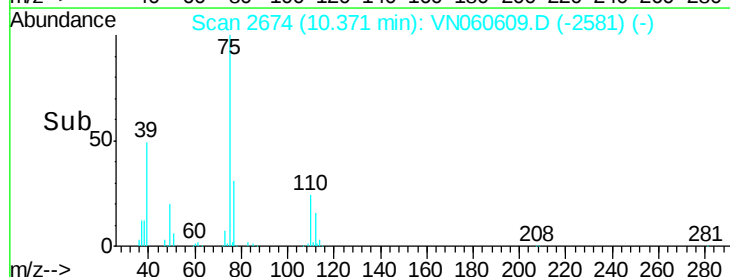
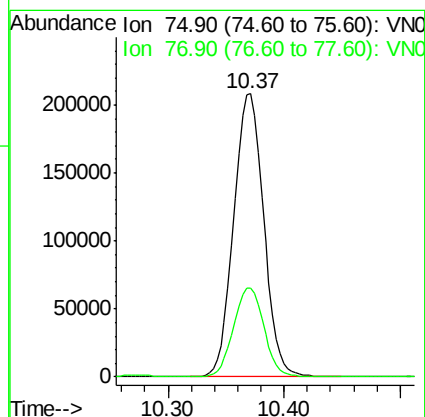
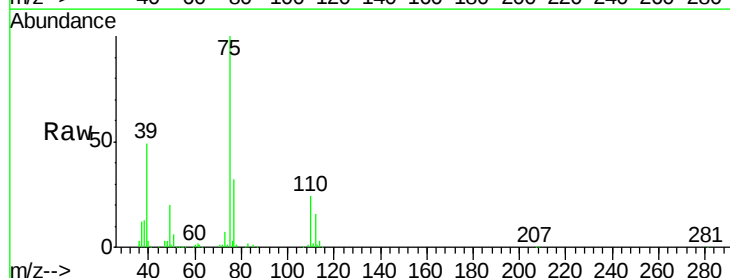
Acq: 18 Mar 2020 22:50

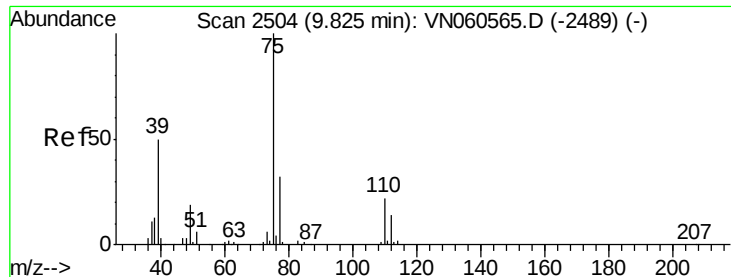
Tgt Ion: 75 Resp: 372945

Ion Ratio Lower Upper

75 100

77 31.5 25.1 37.7



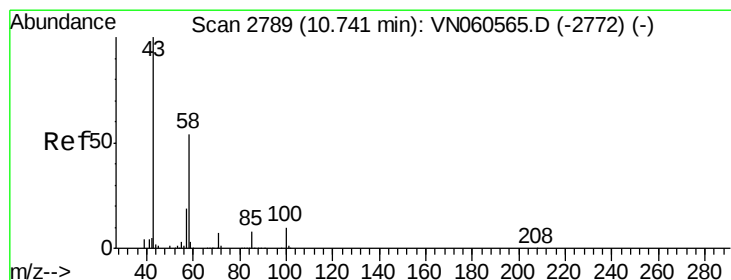
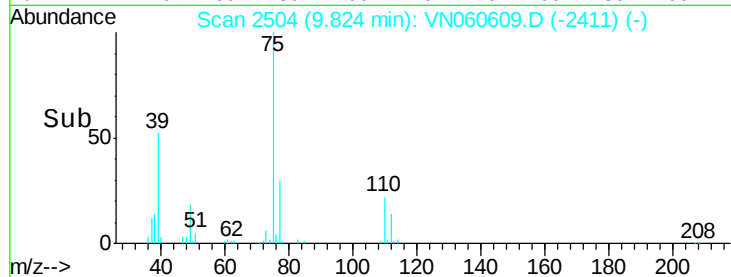
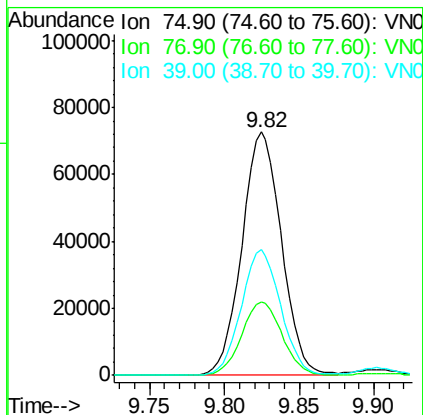
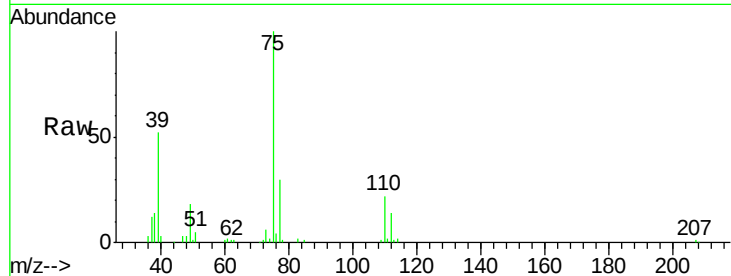


#54

cis-1,3-Dichloropropene
 Concen: 31.908 ug/l
 RT: 9.82 min Scan# 2504
 Delta R.T. -0.00 min
 Lab File: VN060609.D
 Acq: 18 Mar 2020 22:50

Instrument :
 MSVOA_N
 ClientSampleId :
 PT-VOA-WP

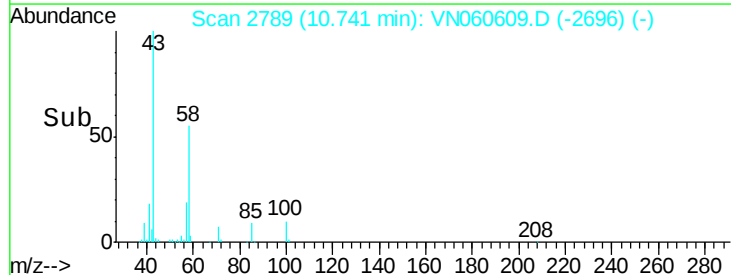
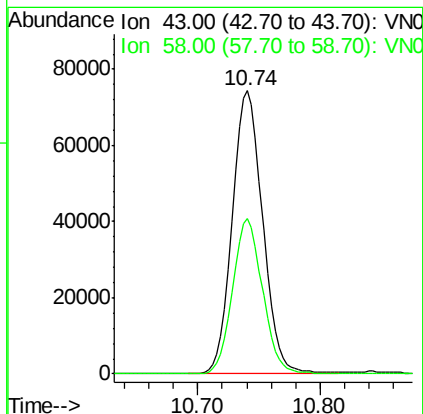
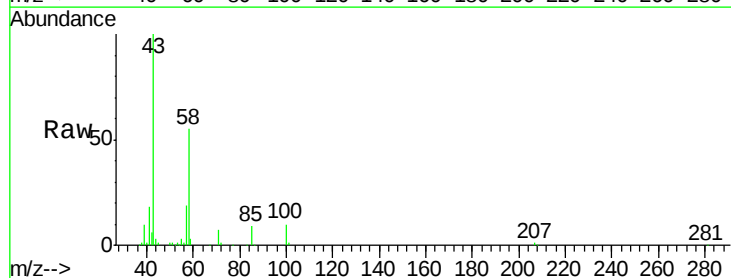
Tot Ion: 75 Resp: 133890
 Ion Ratio Lower Upper
 75 100
 77 30.2 25.4 38.0
 39 51.7 40.2 60.4

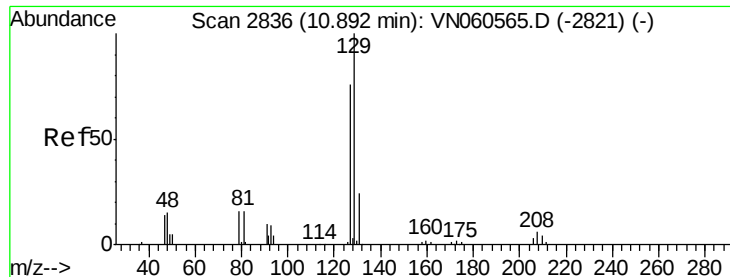


#59

2-Hexanone
 Concen: 53.141 ug/l
 RT: 10.74 min Scan# 2789
 Delta R.T. -0.00 min
 Lab File: VN060609.D
 Acq: 18 Mar 2020 22:50

Tgt Ion: 43 Resp: 129164
 Ion Ratio Lower Upper
 43 100
 58 53.8 26.7 80.1





#60

Dibromochloromethane

Concen: 77.282 ug/l

RT: 10.89 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN060609.D

Acq: 18 Mar 2020 22:50

Instrument :

MSVOA_N

ClientSampleId :

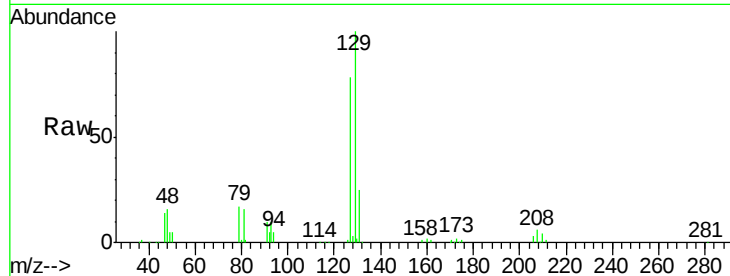
PT-VOA-WP

Tot Ion:129 Resp: 186308

Ion Ratio Lower Upper

129 100

127 77.6 38.5 115.5



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.89

120000

100000

80000

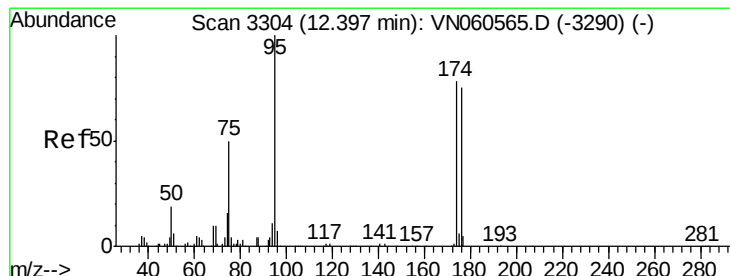
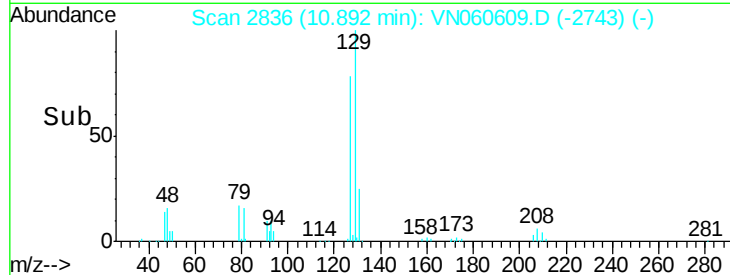
60000

40000

20000

0

Time--> 10.80 10.90



#62

4-Bromofluorobenzene

Concen: 45.566 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060609.D

Acq: 18 Mar 2020 22:50

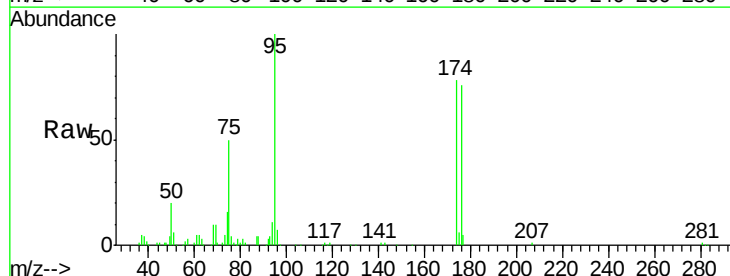
Tgt Ion: 95 Resp: 141732

Ion Ratio Lower Upper

95 100

174 78.8 0.0 157.6

176 76.0 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

100000

80000

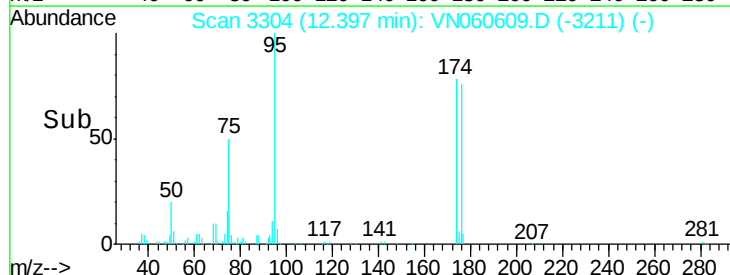
60000

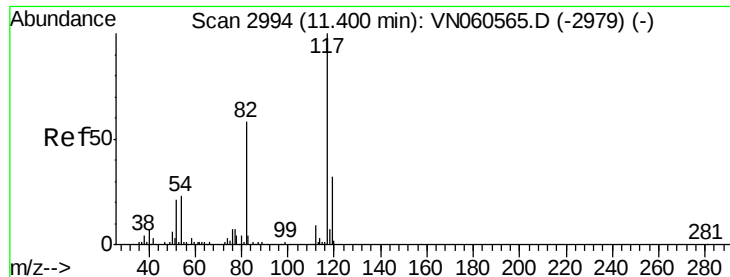
40000

20000

0

Time--> 12.35 12.40 12.45

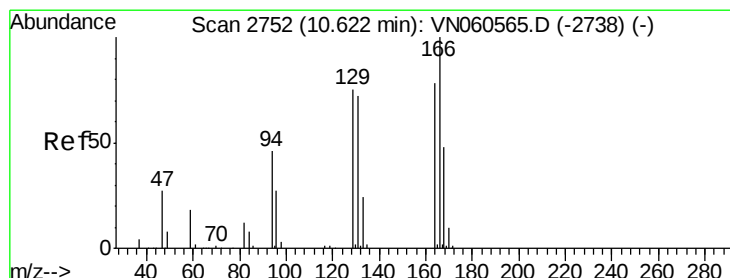
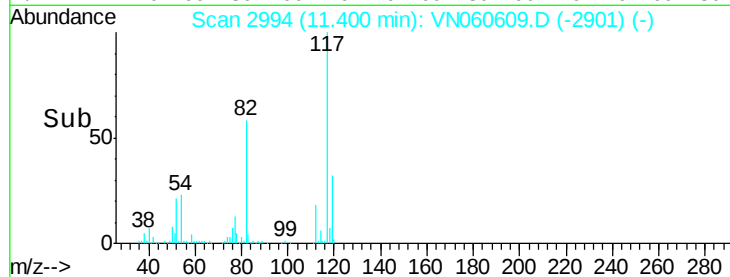
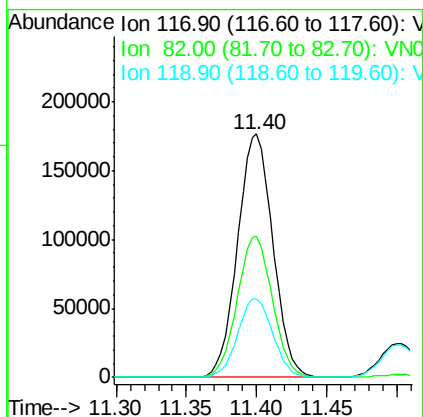
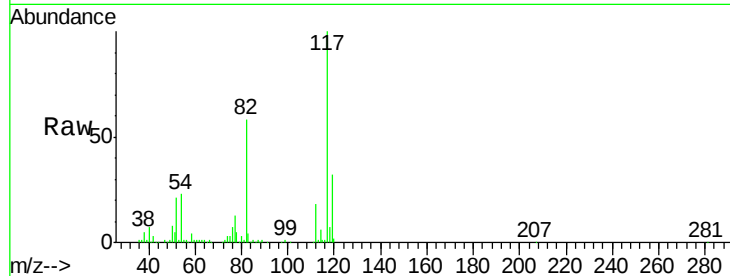




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060609.D
Acq: 18 Mar 2020 22:50

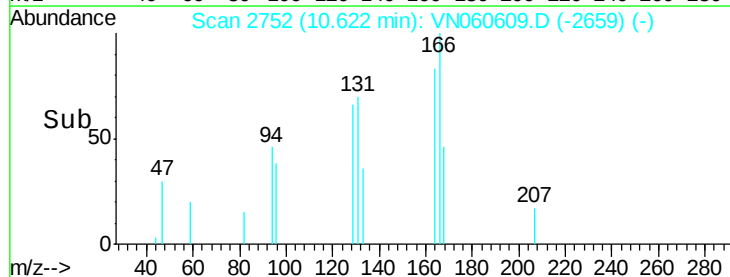
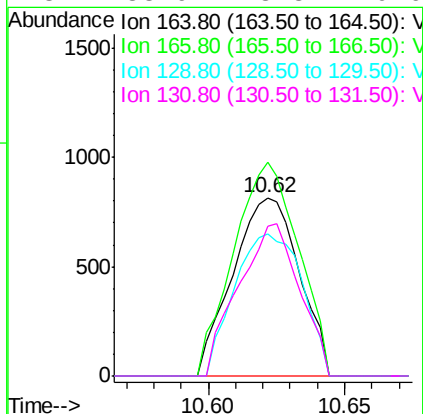
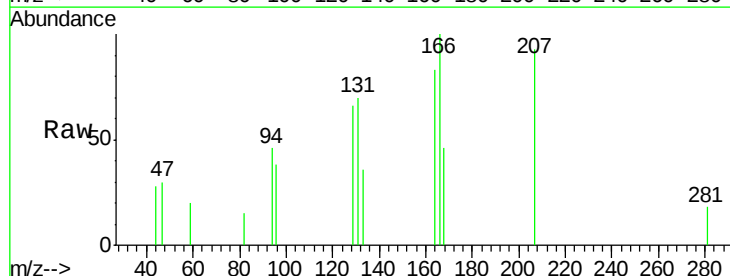
Instrument :
MSVOA_N
ClientSampled :
PT-VOA-WP

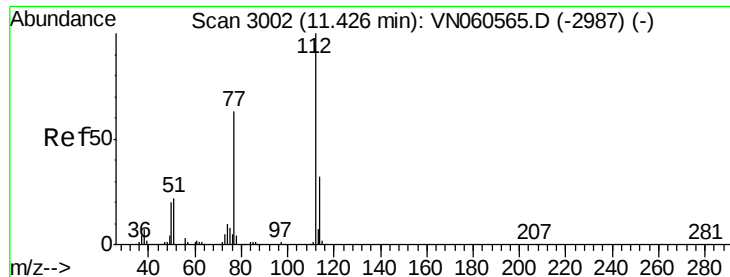
Tot Ion:117 Resp: 309914
Ion Ratio Lower Upper
117 100
82 57.9 46.7 70.1
119 32.3 25.5 38.3



#64
Tetrachloroethene
Concen: 0.565 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060609.D
Acq: 18 Mar 2020 22:50

Tgt Ion:164 Resp: 1378
Ion Ratio Lower Upper
164 100
166 120.0 102.7 154.1
129 79.6 77.2 115.8
131 83.9 73.8 110.6

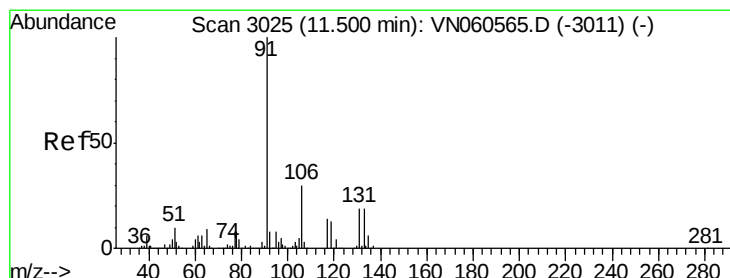
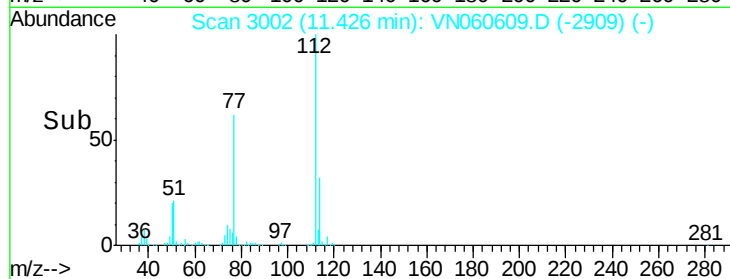
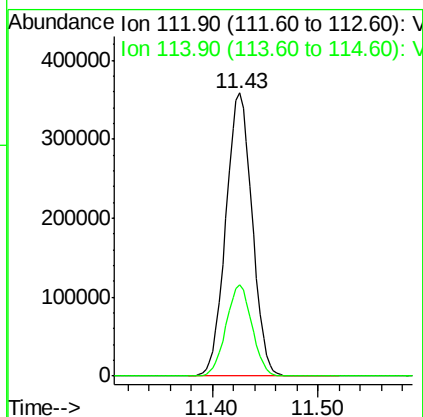
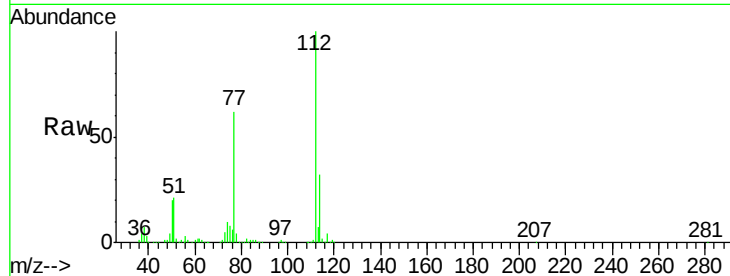




#65
Chlorobenzene
Concen: 100.470 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060609.D
Acq: 18 Mar 2020 22:50

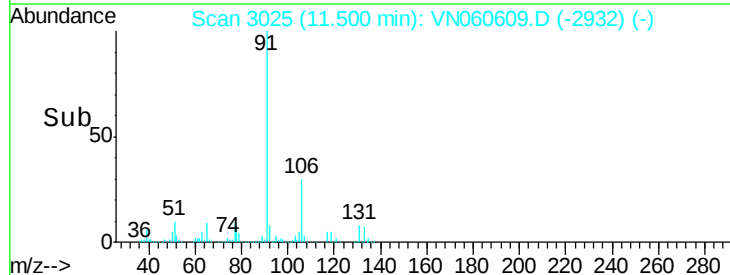
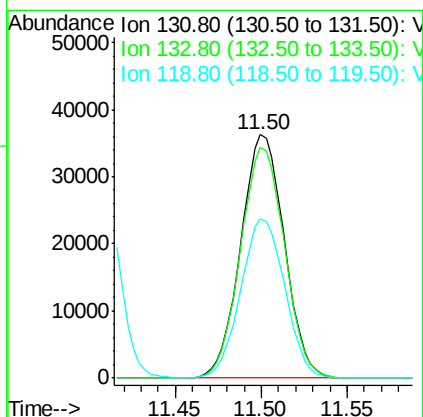
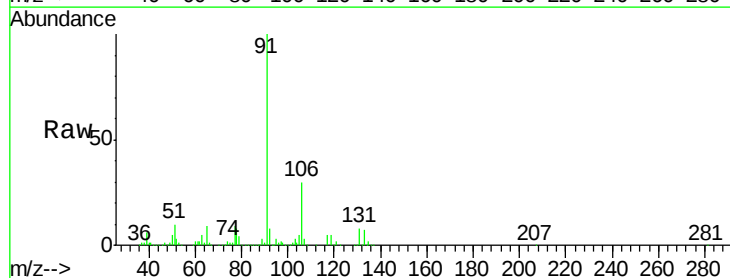
Instrument :
MSVOA_N
ClientSampled :
PT-VOA-WP

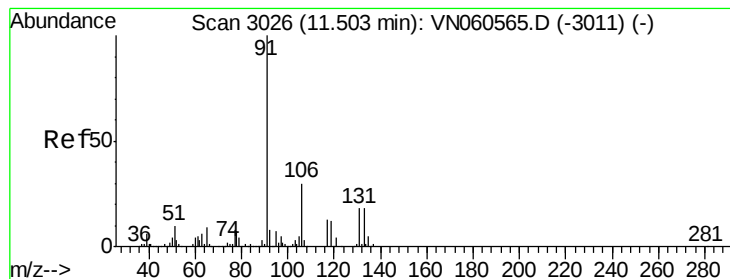
Tot Ion:112 Resp: 617265
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 28.621 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060609.D
Acq: 18 Mar 2020 22:50

Tgt Ion:131 Resp: 63665
Ion Ratio Lower Upper
131 100
133 95.8 48.9 146.8
119 66.2 33.9 101.7





#67

Ethyl Benzene

Concen: 74.260 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060609.D

Acq: 18 Mar 2020 22:50

Instrument :

MSVOA_N

ClientSampled :

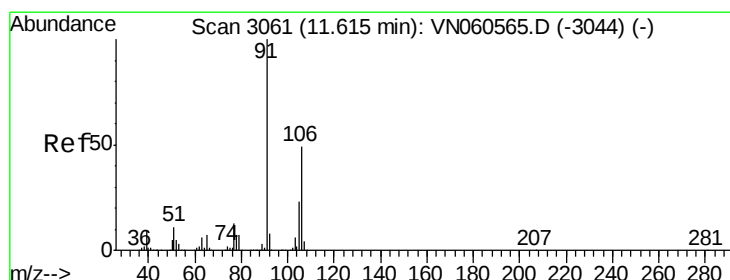
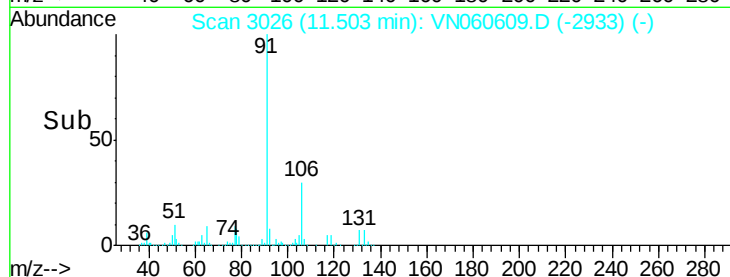
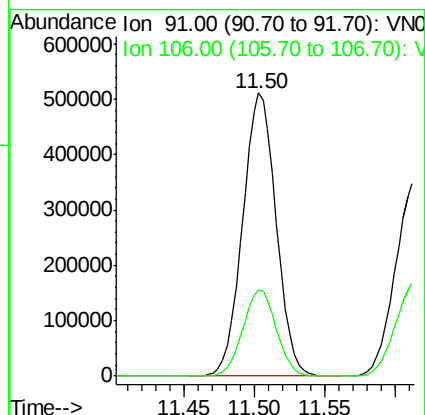
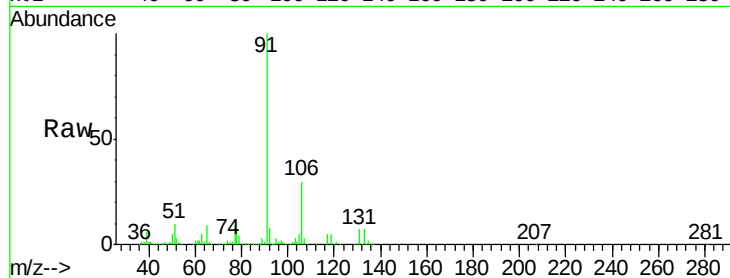
PT-VOA-WP

Tot Ion: 91 Resp: 848435

Ion Ratio Lower Upper

91 100

106 30.5 24.2 36.2



#68

m/p-Xylenes

Concen: 76.561 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060609.D

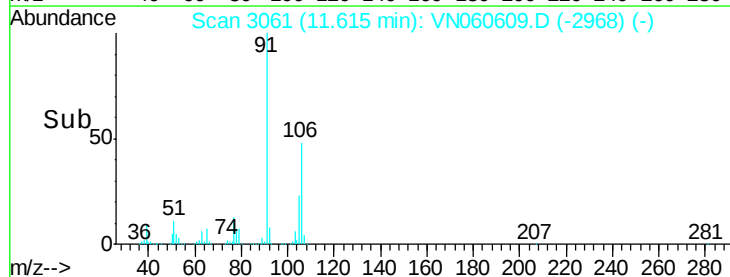
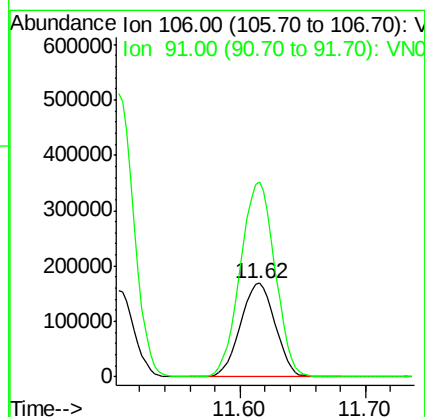
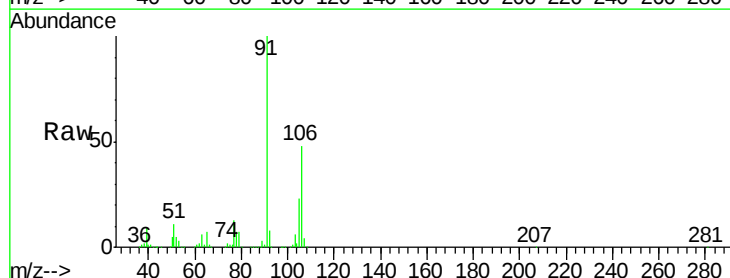
Acq: 18 Mar 2020 22:50

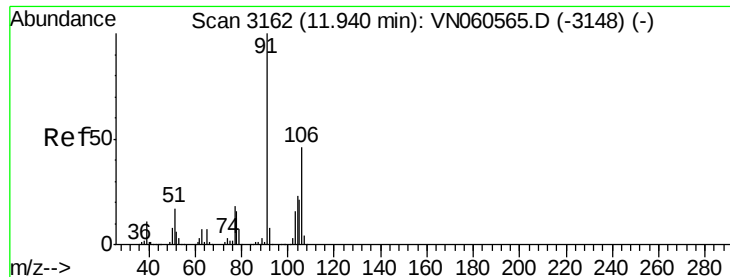
Tgt Ion: 106 Resp: 325054

Ion Ratio Lower Upper

106 100

91 208.0 165.0 247.4

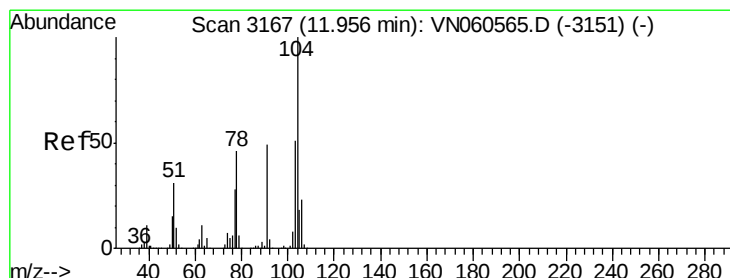
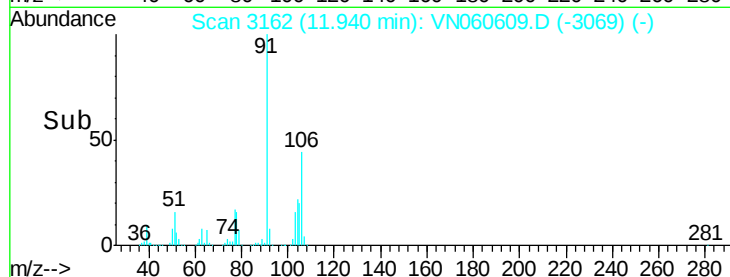
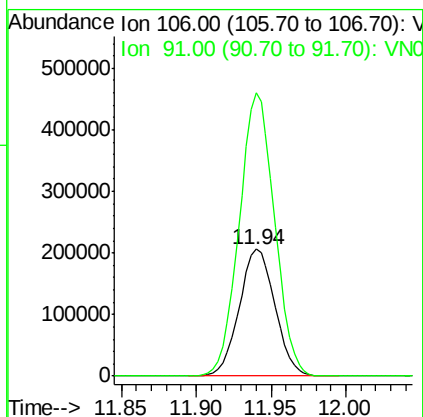
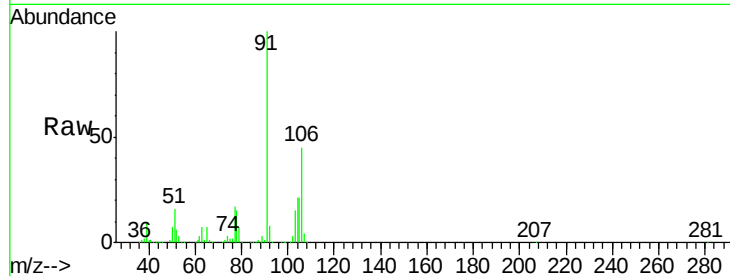




#69
o-Xylene
Concen: 84.424 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060609.D
Acq: 18 Mar 2020 22:50

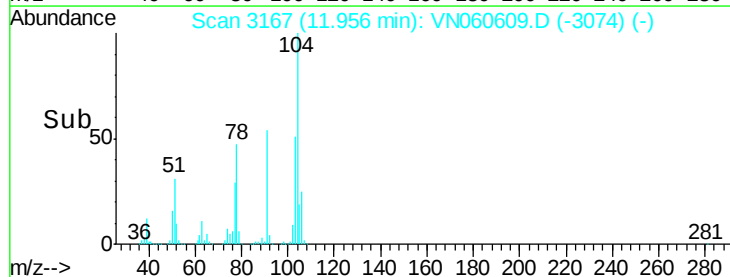
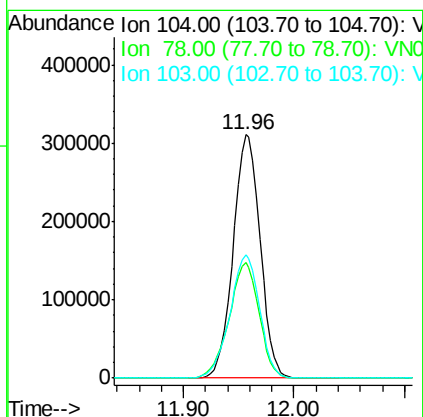
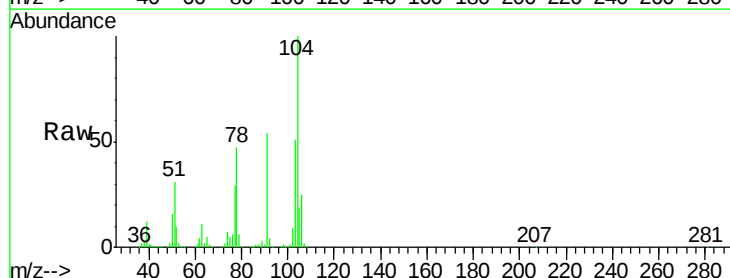
Instrument :
MSVOA_N
ClientSampled :
PT-VOA-WP

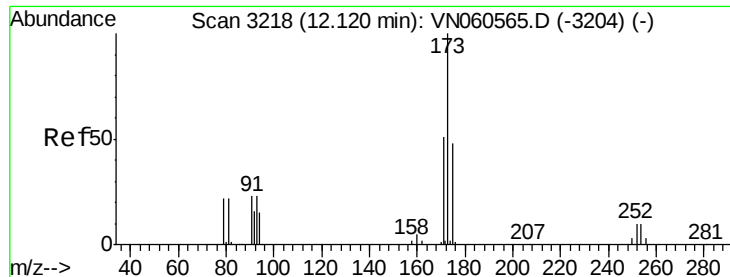
Tot Ion:106 Resp: 342169
Ion Ratio Lower Upper
106 100
91 220.5 109.5 328.4



#70
Styrene
Concen: 79.641 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060609.D
Acq: 18 Mar 2020 22:50

Tgt Ion:104 Resp: 527911
Ion Ratio Lower Upper
104 100
78 52.6 41.2 61.8
103 55.7 44.0 66.0





#71

Bromoform

Concen: 2.454 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN060609.D

Acq: 18 Mar 2020 22:50

Instrument :

MSVOA_N

ClientSampled :

PT-VOA-WP

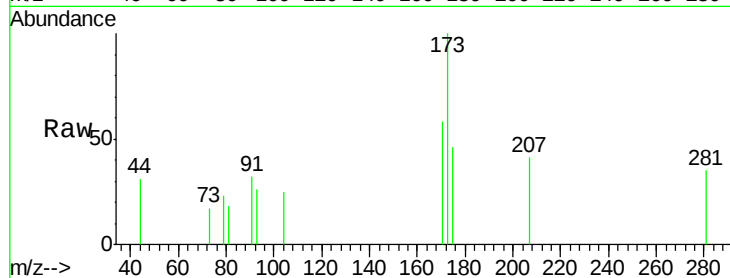
Tot Ion:173 Resp: 1480

Ion Ratio Lower Upper

173 100

175 47.6 24.1 72.4

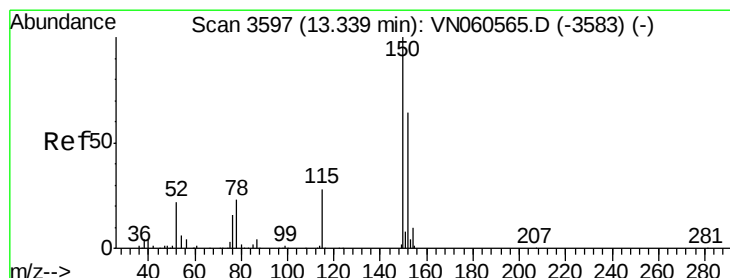
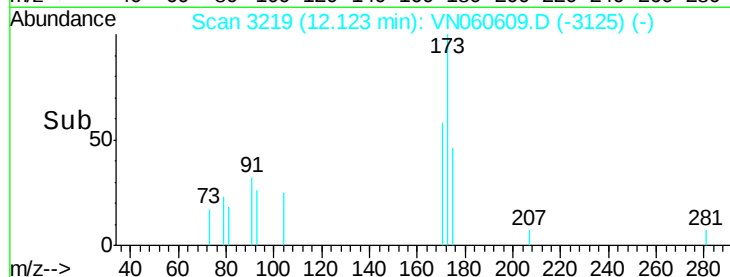
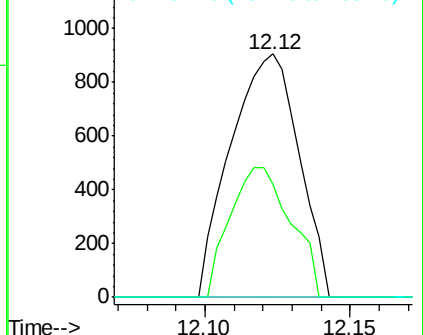
254 0.0 0.0 0.0



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: VN060609.D

Acq: 18 Mar 2020 22:50

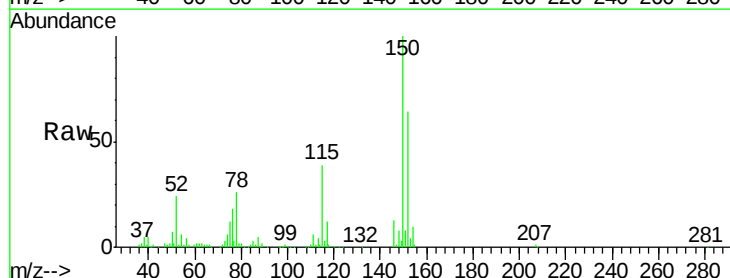
Tgt Ion:152 Resp: 145866

Ion Ratio Lower Upper

152 100

115 60.1 30.2 90.6

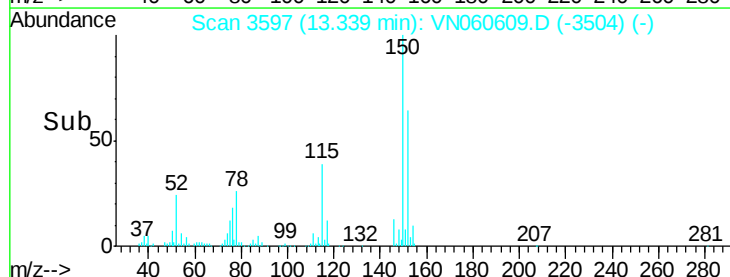
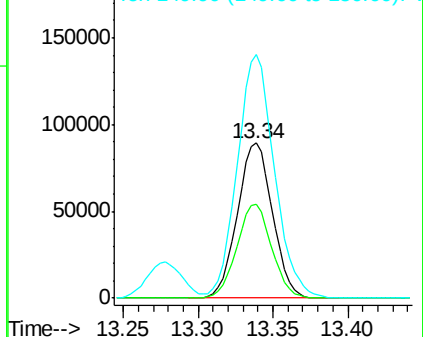
150 166.0 0.0 350.2

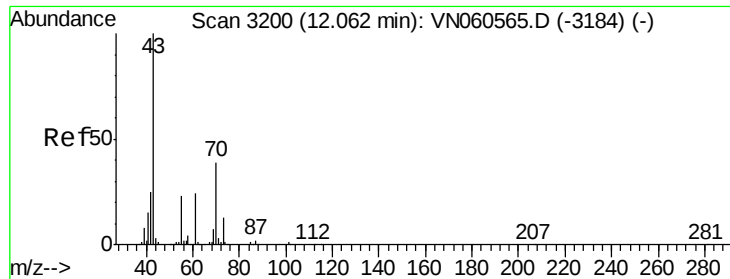


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.202 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060609.D

Acq: 18 Mar 2020 22:50

Instrument :

MSVOA_N

ClientSampled :

PT-VOA-WP

Tot Ion: 43 Resp: 1021

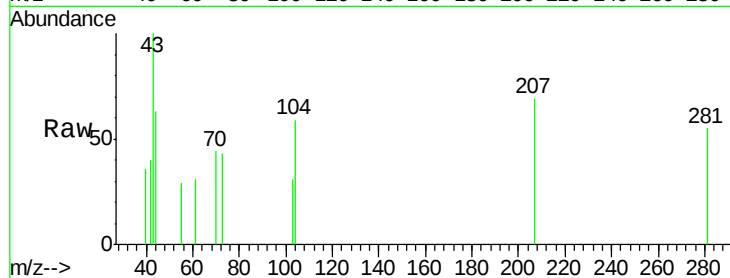
Ion Ratio Lower Upper

43 100

70 25.9 31.1 46.7#

55 2.9 18.6 27.8#

61 0.0 18.9 28.3#

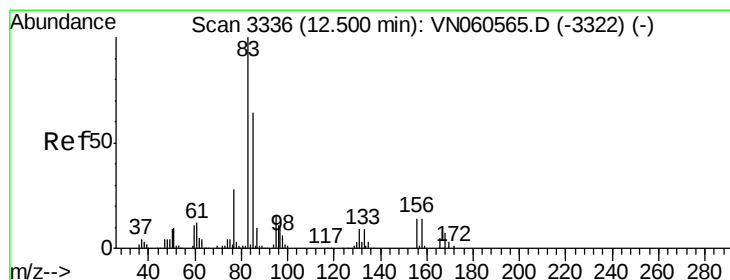
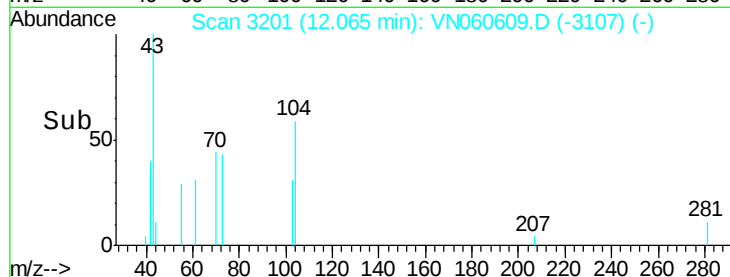
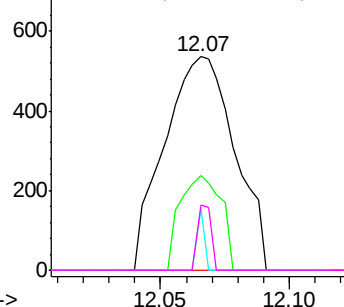


Abundance Ion 43.00 (42.70 to 43.70): VN0

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



#75

1,1,2,2-Tetrachloroethane

Concen: 128.328 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060609.D

Acq: 18 Mar 2020 22:50

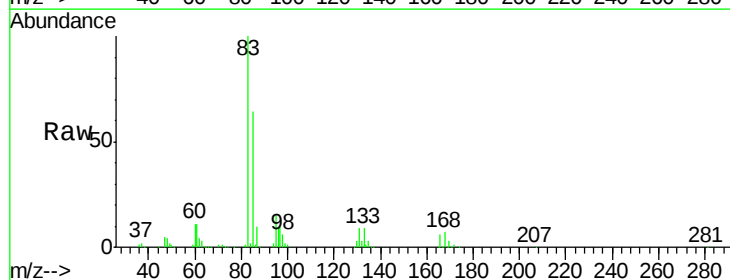
Tgt Ion: 83 Resp: 424813

Ion Ratio Lower Upper

83 100

131 9.2 4.9 14.7

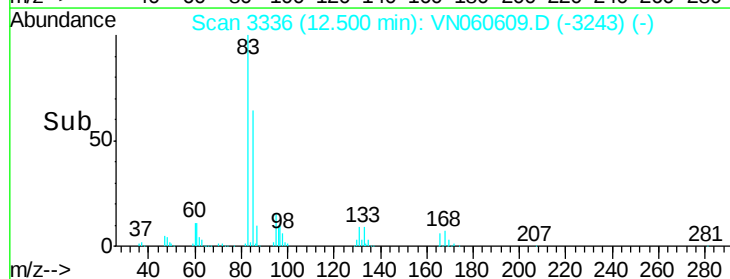
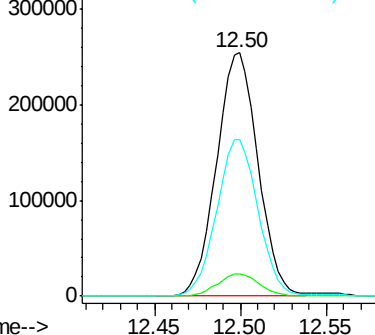
85 64.1 32.5 97.4

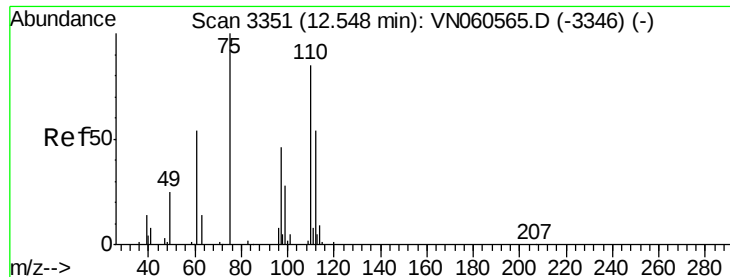


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 68.062 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060609.D

Acq: 18 Mar 2020 22:50

Instrument :

MSVOA_N

ClientSampled :

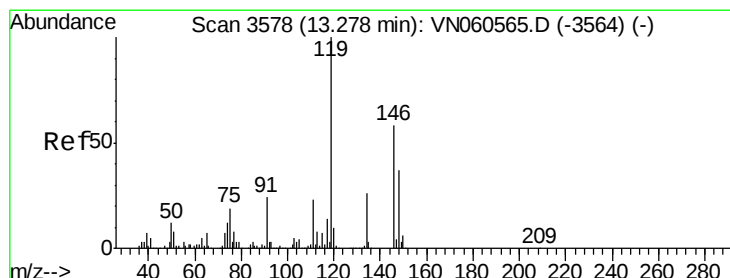
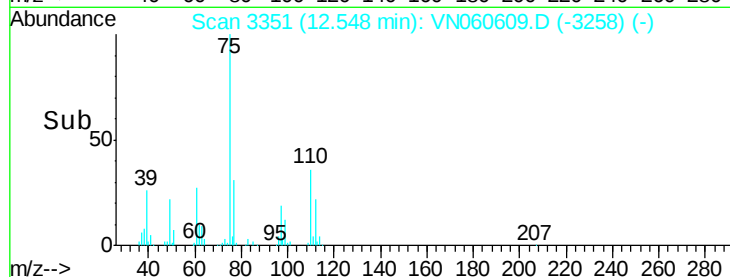
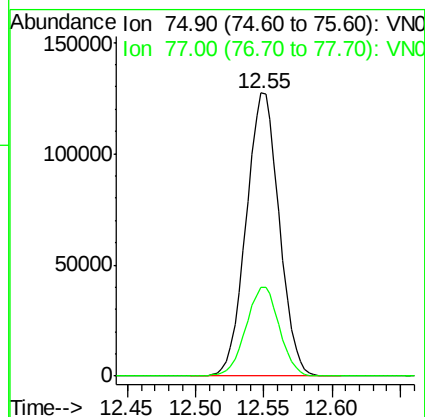
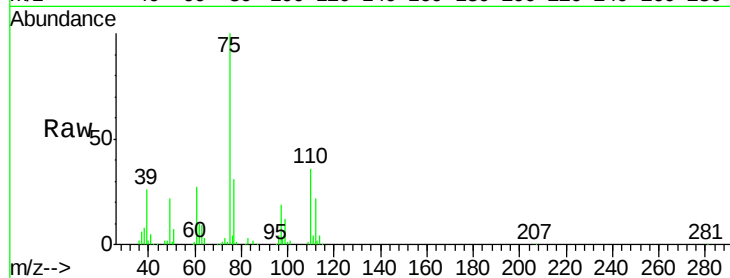
PT-VOA-WP

Tot Ion: 75 Resp: 214224

Ion Ratio Lower Upper

75 100

77 32.0 0.0 0.0#



#87

1,3-Dichlorobenzene

Concen: 71.160 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060609.D

Acq: 18 Mar 2020 22:50

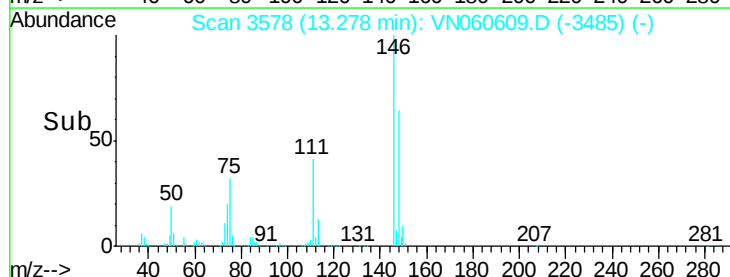
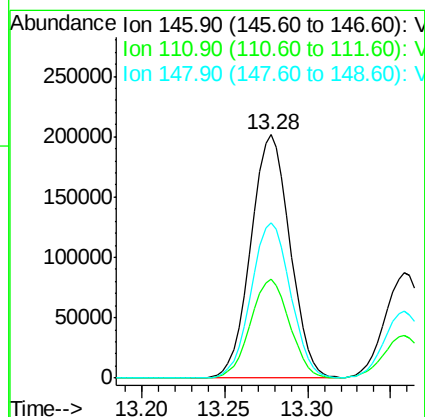
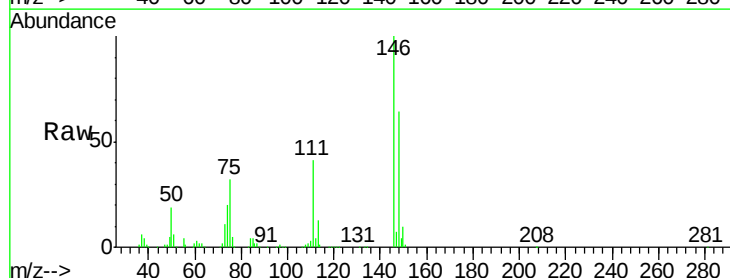
Tgt Ion: 146 Resp: 331054

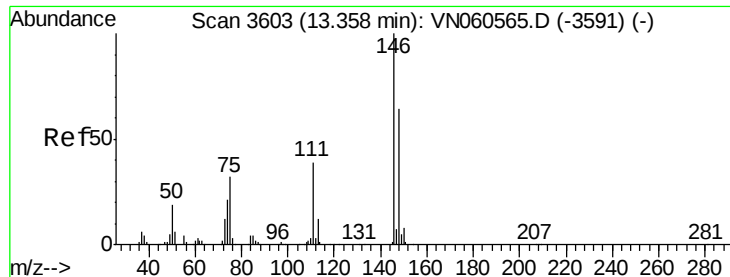
Ion Ratio Lower Upper

146 100

111 40.6 20.3 60.8

148 64.4 32.5 97.4

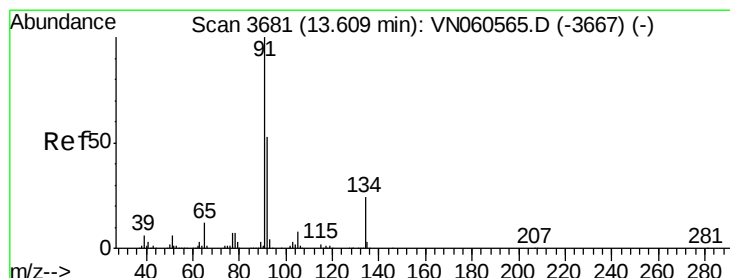
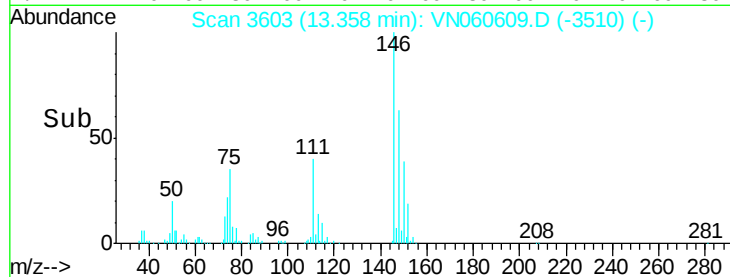
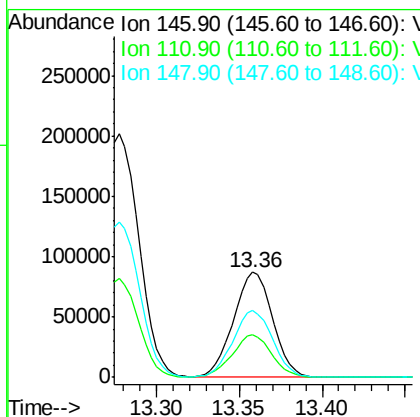
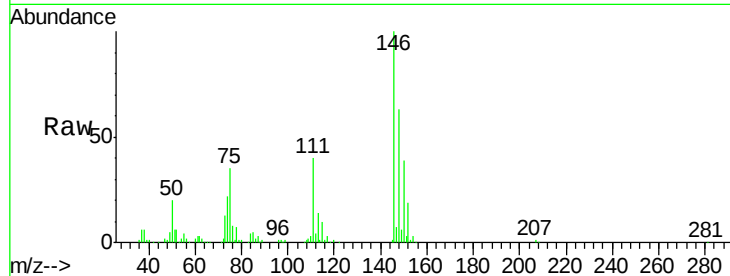




#88
 1,4-Dichlorobenzene
 Concen: 30.719 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060609.D
 Acq: 18 Mar 2020 22:50

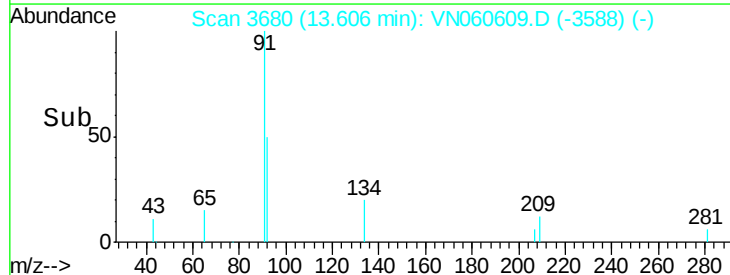
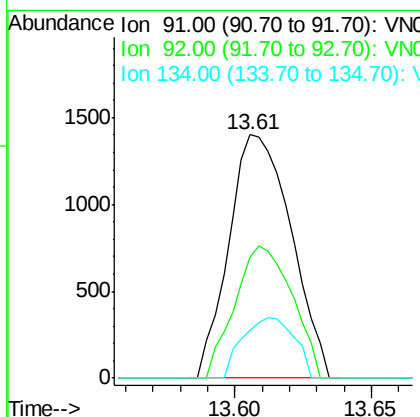
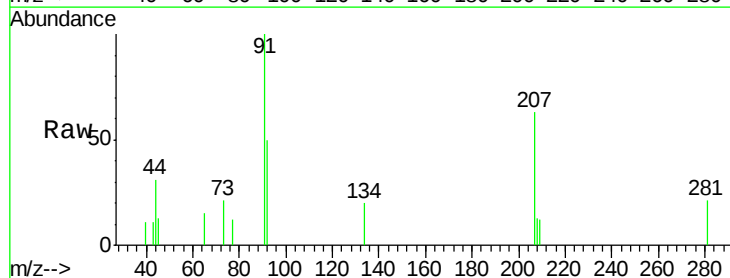
Instrument :
 MSVOA_N
 ClientSampled :
 PT-VOA-WP

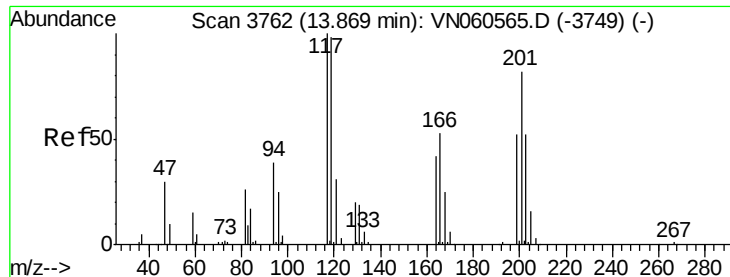
Tot Ion:146 Resp: 143581
 Ion Ratio Lower Upper
 146 100
 111 40.8 19.6 58.7
 148 64.2 32.1 96.3



#89
 n-Butylbenzene
 Concen: 0.264 ug/l
 RT: 13.61 min Scan# 3680
 Delta R.T. -0.00 min
 Lab File: VN060609.D
 Acq: 18 Mar 2020 22:50

Tgt Ion: 91 Resp: 2218
 Ion Ratio Lower Upper
 91 100
 92 50.0 26.2 78.5
 134 20.7 12.3 36.9

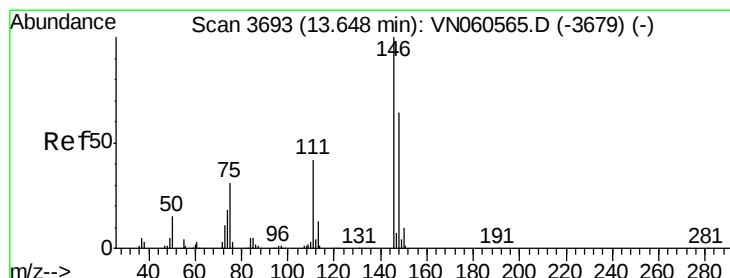
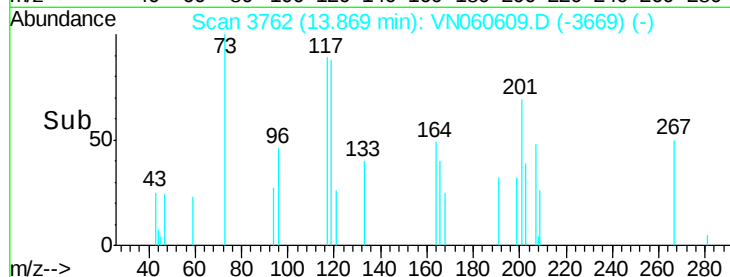
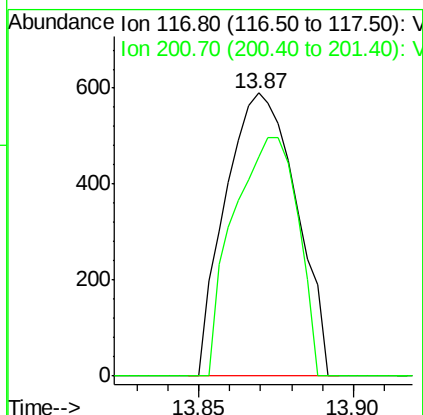
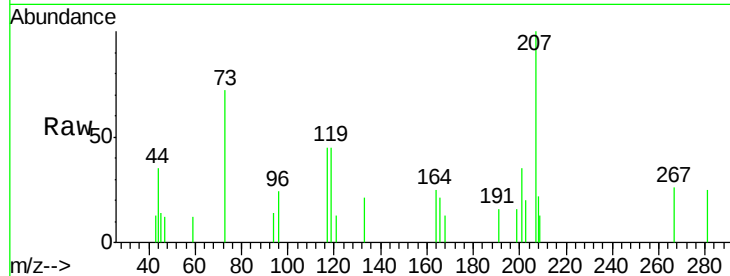




#90
Hexachloroethane
Concen: 0.694 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060609.D
Acq: 18 Mar 2020 22:50

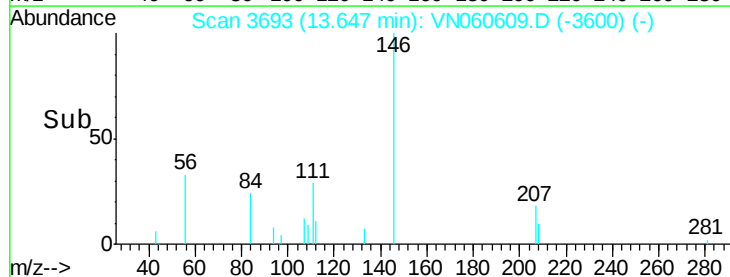
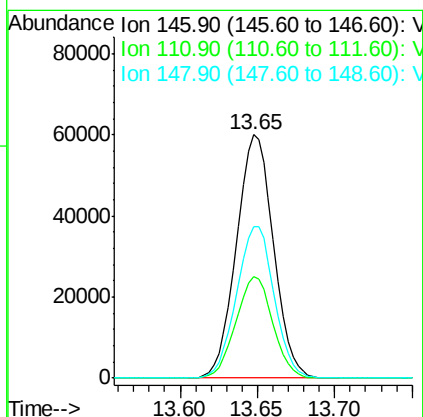
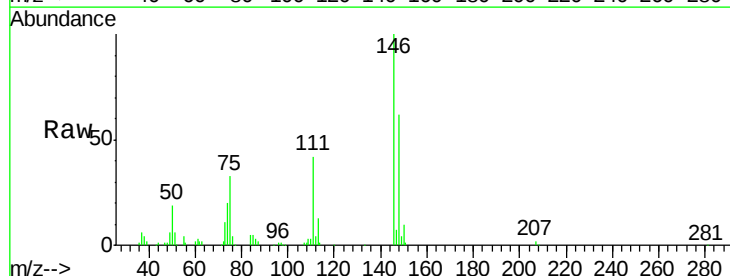
Instrument :
MSVOA_N
ClientSampled :
PT-VOA-WP

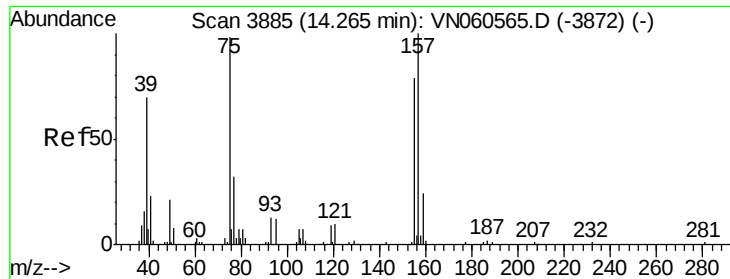
Tot Ion:117 Resp: 939
Ion Ratio Lower Upper
117 100
201 76.9 40.8 122.5



#91
1,2-Dichlorobenzene
Concen: 22.464 ug/l
RT: 13.65 min Scan# 3693
Delta R.T. -0.00 min
Lab File: VN060609.D
Acq: 18 Mar 2020 22:50

Tgt Ion:146 Resp: 99932
Ion Ratio Lower Upper
146 100
111 41.3 21.0 63.0
148 63.3 31.9 95.5





#92

1,2-Dibromo-3-Chloropropane

Concen: 48.976 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VN060609.D

Acq: 18 Mar 2020 22:50

Instrument :

MSVOA_N

ClientSampleId :

PT-VOA-WP

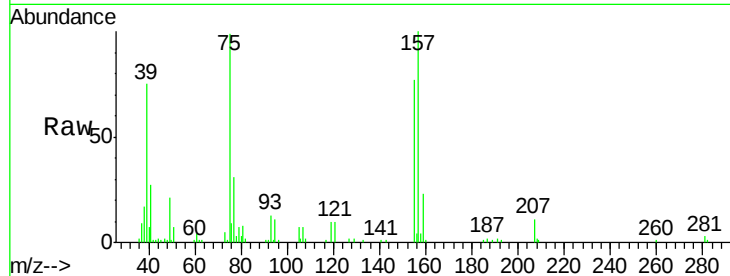
Tot Ion: 75 Resp: 33962

Ion Ratio Lower Upper

75 100

155 78.0 40.7 122.1

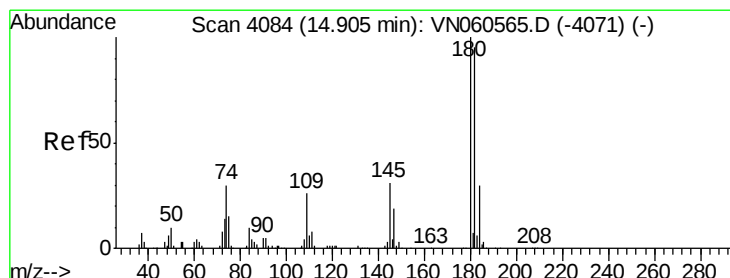
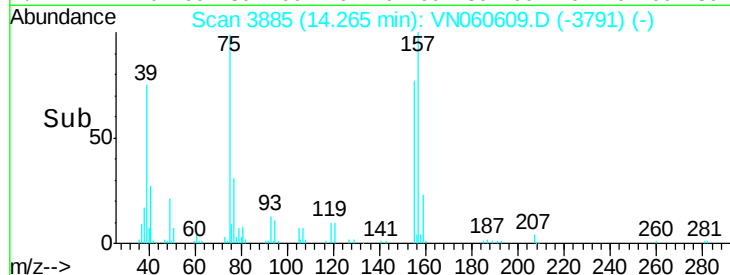
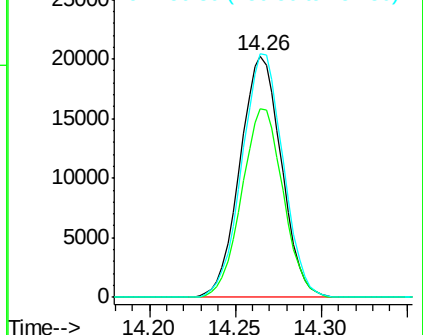
157 100.3 51.5 154.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 124.852 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.00 min

Lab File: VN060609.D

Acq: 18 Mar 2020 22:50

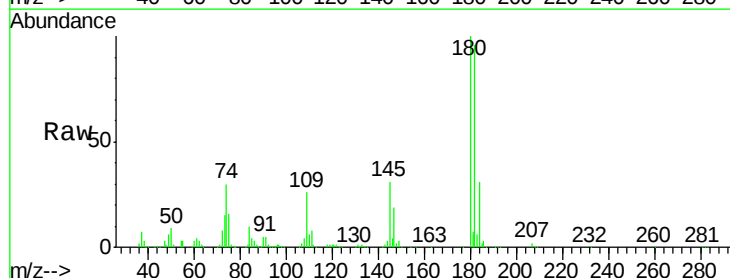
Tgt Ion: 180 Resp: 341067

Ion Ratio Lower Upper

180 100

182 95.1 47.9 143.8

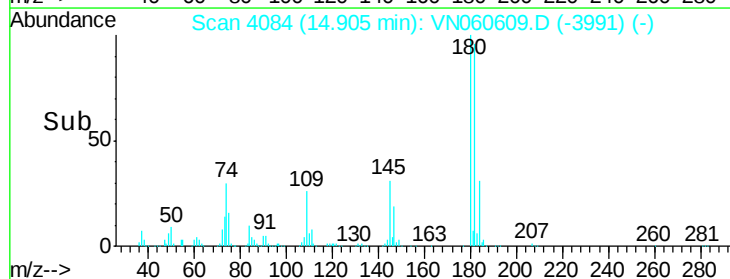
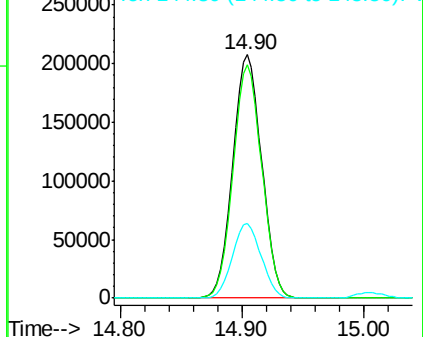
145 30.7 15.4 46.2

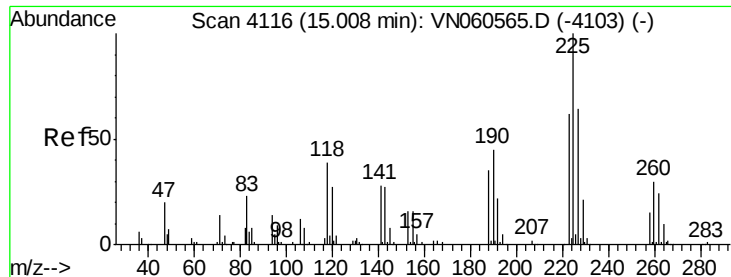


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 68.631 ug/l

RT: 15.00 min Scan# 4115

Delta R.T. -0.00 min

Lab File: VN060609.D

Acq: 18 Mar 2020 22:50

Instrument :

MSVOA_N

ClientSampleId :

PT-VOA-WP

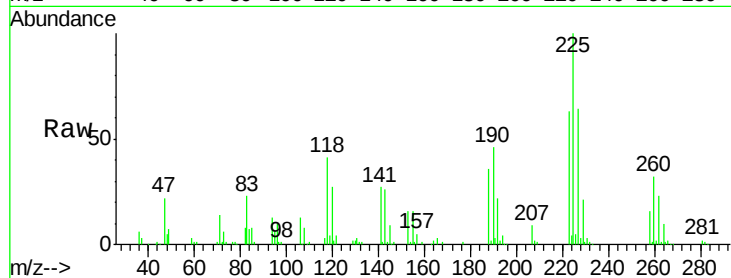
Tot Ion:225 Resp: 91908

Ion Ratio Lower Upper

225 100

223 62.8 31.6 95.0

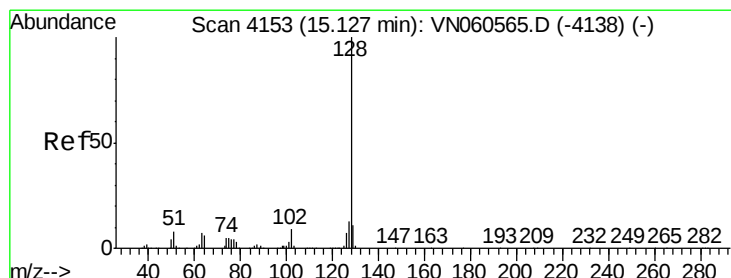
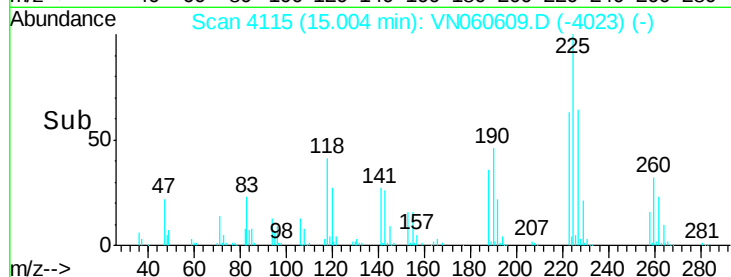
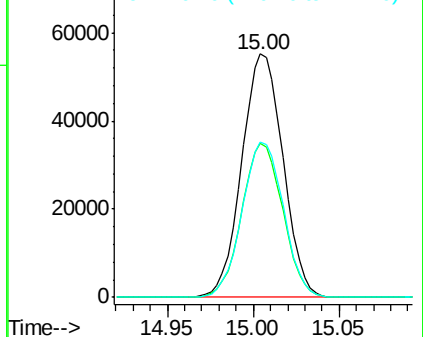
227 64.0 32.3 96.8



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: 144.388 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN060609.D

Acq: 18 Mar 2020 22:50

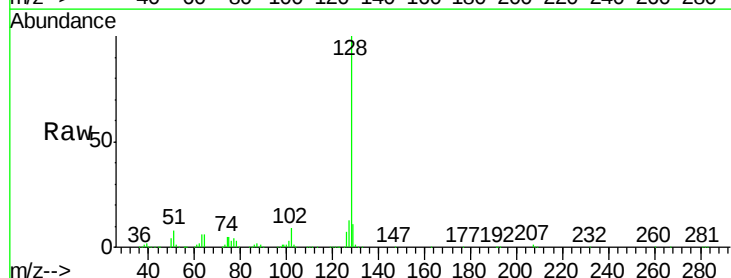
Tgt Ion:128 Resp: 1186377

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

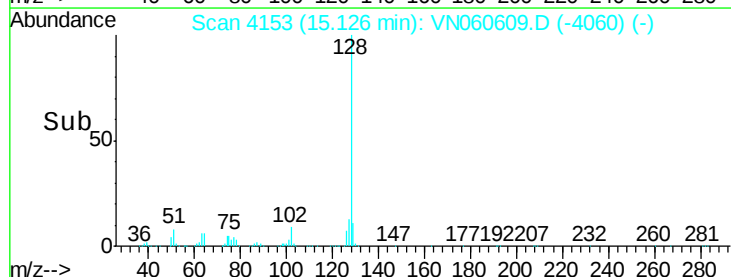
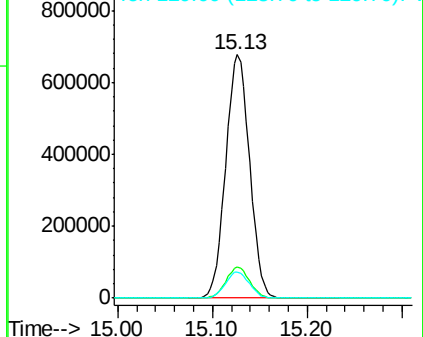
129 10.7 8.8 13.2

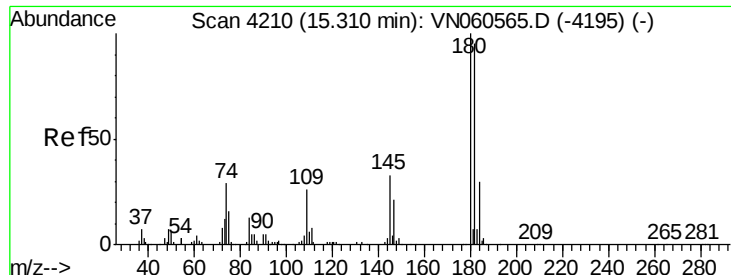


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 1.191 ug/l
 RT: 15.31 min Scan# 4209
 Delta R.T. -0.00 min
 Lab File: VN060609.D
 Acq: 18 Mar 2020 22:50

Instrument :
 MSVOA_N
 ClientSampleId :
 PT-VOA-WP

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.6	47.5	142.6
145	33.5	16.3	48.8

