

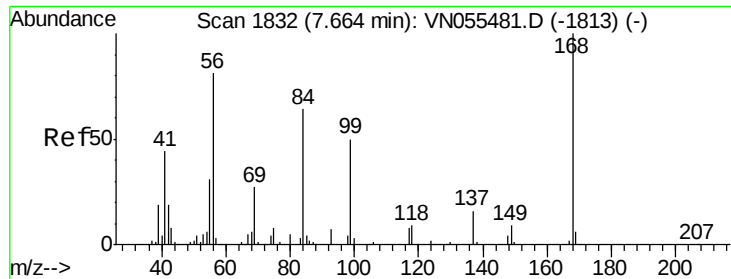
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051019\
 Data File : VN055545.D
 Acq On : 10 May 2019 12:22
 Operator : JC/SP
 Sample : K2758-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IW-17

Quant Time: May 11 00:55:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 06:48:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	912076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1487440	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1243306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	343842	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	611233	44.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.02%	
35) Dibromofluoromethane	7.59	113	471529	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
50) Toluene-d8	10.09	98	1790954	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	
62) 4-Bromofluorobenzene	12.40	95	521855	41.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.78%	
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	3.73	96	5219	0.524	ug/l	95
16) Acetone	3.83	43	13649	2.147	ug/l	94
17) Carbon Disulfide	4.05	76	7620	0.280	ug/l	98
18) Methyl Acetate	4.34	43	6980	Below Cal		100
24) 1,1-Dichloroethane	5.85	63	88617	3.956	ug/l	99
25) 2-Butanone	6.86	43	1783	0.203	ug/l #	52
27) cis-1,2-Dichloroethene	6.83	96	13906	1.113	ug/l	76
31) Cyclohexane	7.67	56	19794	0.893	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	71521	4.881	ug/l #	50
38) Carbon Tetrachloride	7.67	117	86909	7.043	ug/l #	16
44) Trichloroethene	8.84	130	2709	0.250	ug/l	65
49) 1,4-Dioxane	9.20	88	241	1.057	ug/l #	34
51) 4-Methyl-2-Pentanone	9.99	43	4519	0.283	ug/l #	87
59) 2-Hexanone	10.76	43	9688	0.865	ug/l	94
71) Bromoform	12.40	173	4381	0.737	ug/l #	1
73) Isopropylbenzene	12.25	105	3262	Below Cal		99
74) N-amyl acetate	12.08	43	3146	0.241	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.50	83	982	Below Cal	#	89
76) 1,2,3-Trichloropropane	12.40	75	260347	27.813	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	260347	102.627	ug/l #	7
87) 1,3-Dichlorobenzene	13.28	146	2899	0.248	ug/l	96
88) 1,4-Dichlorobenzene	13.28	146	2899	0.251	ug/l	96
89) n-Butylbenzene	13.62	91	7310	0.370	ug/l	93
91) 1,2-Dichlorobenzene	13.66	146	3185	0.272	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.27	75	409	0.259	ug/l #	68
93) 1,2,4-Trichlorobenzene	14.91	180	4686	4.066	ug/l	88
94) Hexachlorobutadiene	15.01	225	1550	Below Cal	#	78
95) Naphthalene	15.14	128	13522	3.825	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.32	180	5224	3.324	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055545.D

Acq: 10 May 2019 12:22

Instrument :

MSVOA_N

ClientSampled :

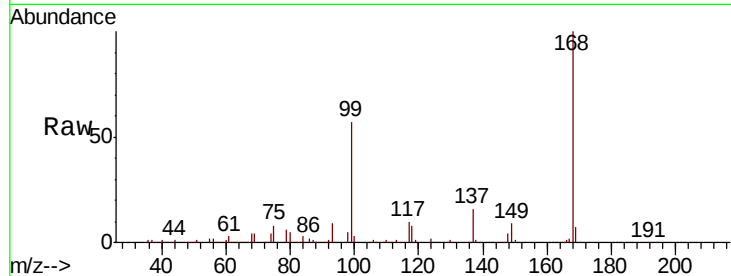
IW-17

Tot Ion:168 Resp: 912076

Ion Ratio Lower Upper

168 100

99 56.8 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

300000

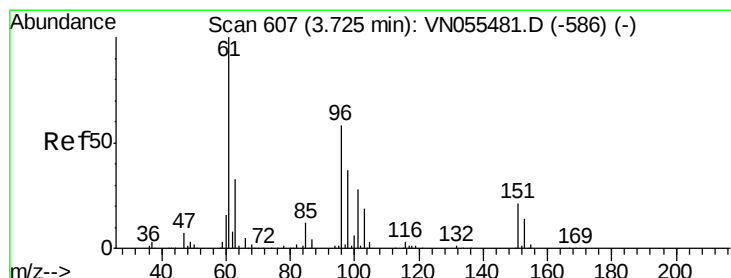
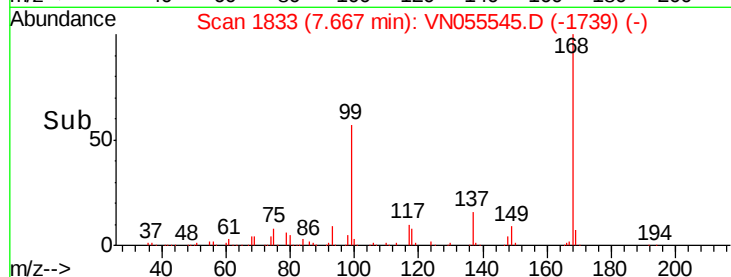
200000

100000

0

7.60 7.70 7.80

Time-->



#12

1,1-Dichloroethene

Concen: 0.524 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.01 min

Lab File: VN055545.D

Acq: 10 May 2019 12:22

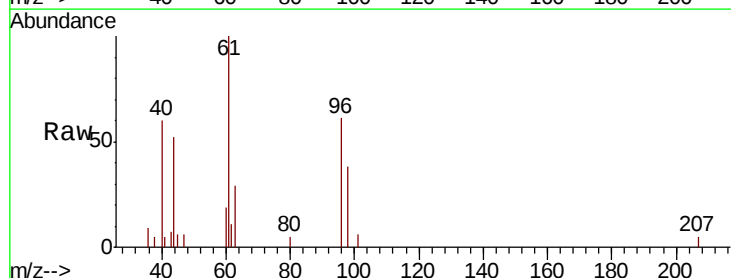
Tgt Ion: 96 Resp: 5219

Ion Ratio Lower Upper

96 100

61 163.8 138.7 208.1

98 62.2 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VN

Ion 60.90 (60.60 to 61.60): VN

Ion 97.90 (97.60 to 98.60): VN

4000

3000

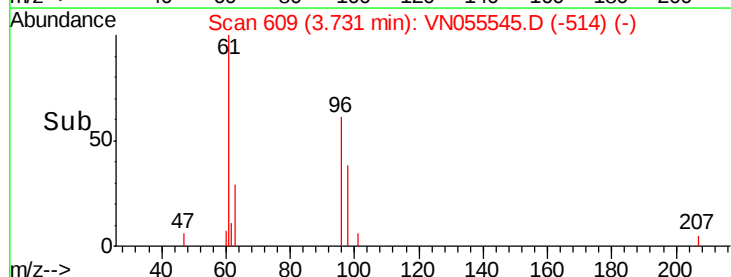
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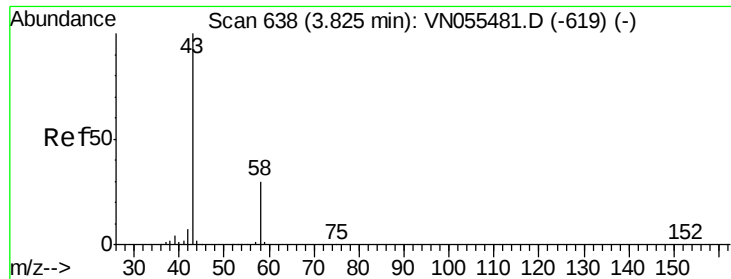
1000

0

3.65 3.70 3.75 3.80

Time-->





#16

Acetone

Concen: 2.147 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.00 min

Lab File: VN055545.D

Acq: 10 May 2019 12:22

Instrument :

MSVOA_N

ClientSampled :

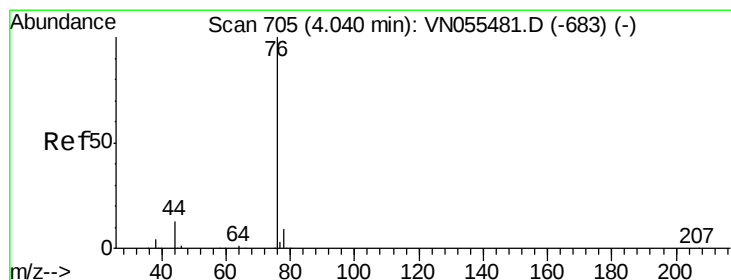
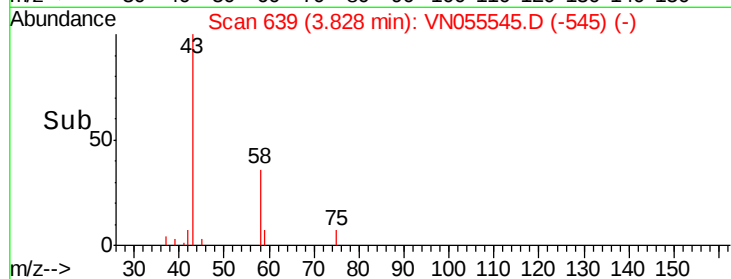
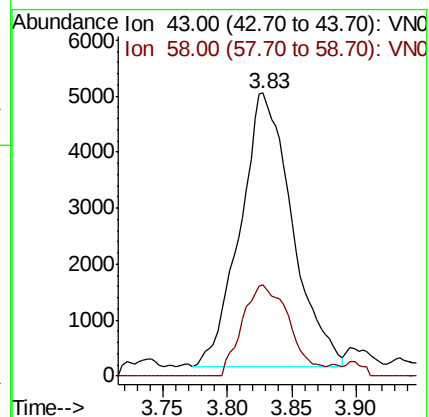
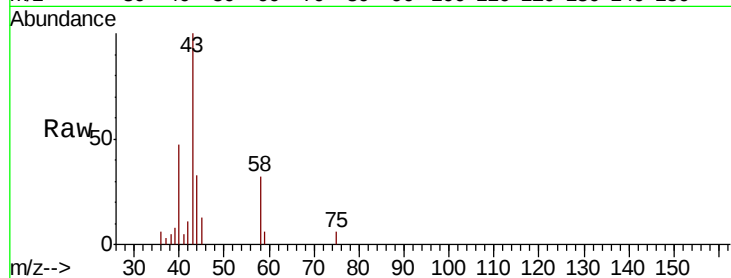
IW-17

Tot Ion: 43 Resp: 13649

Ion Ratio Lower Upper

43 100

58 33.5 24.2 36.2



#17

Carbon Disulfide

Concen: 0.280 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.01 min

Lab File: VN055545.D

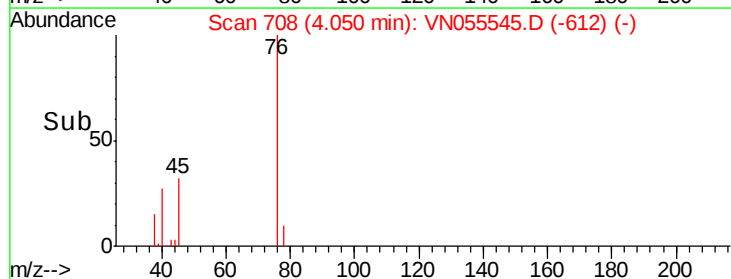
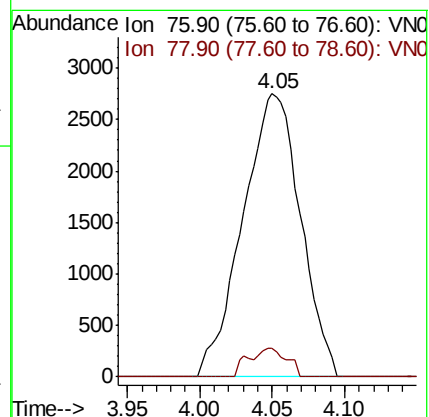
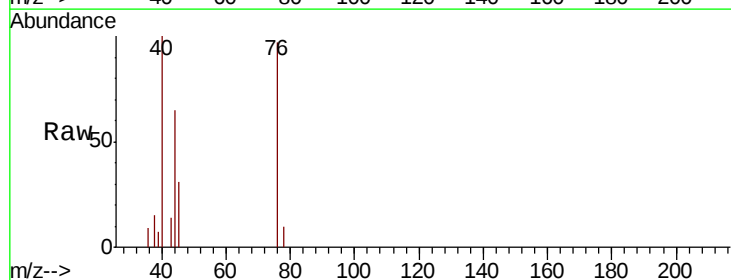
Acq: 10 May 2019 12:22

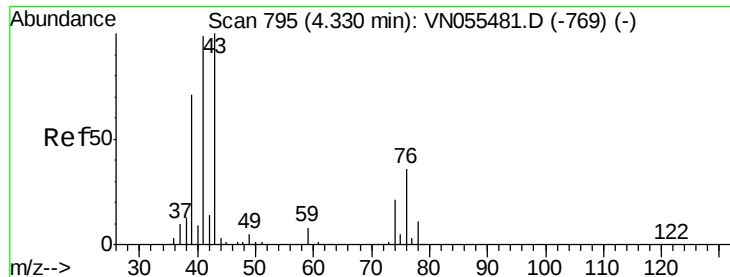
Tgt Ion: 76 Resp: 7620

Ion Ratio Lower Upper

76 100

78 10.0 7.4 11.0

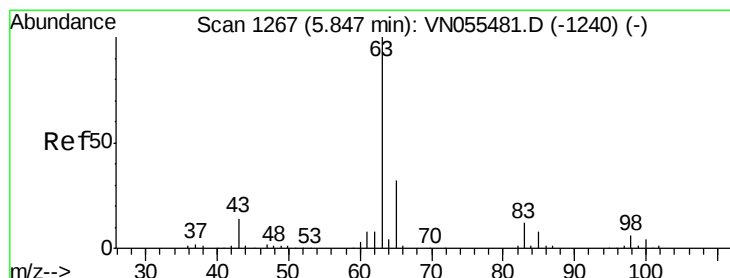
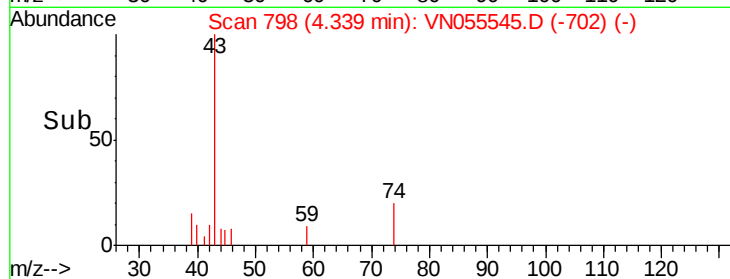
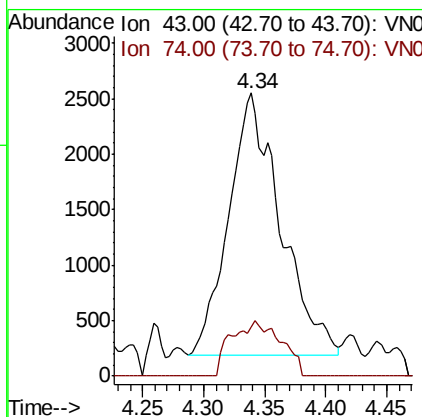
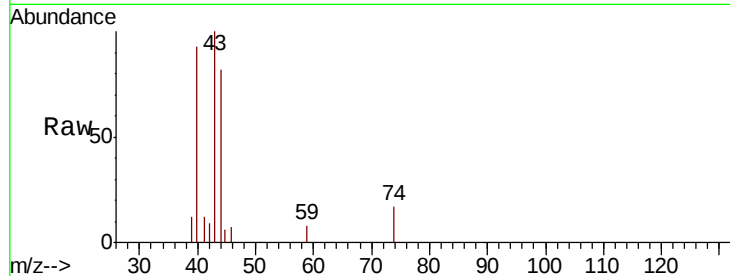




#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 798
Delta R.T. 0.01 min
Lab File: VN055545.D
Acq: 10 May 2019 12:22

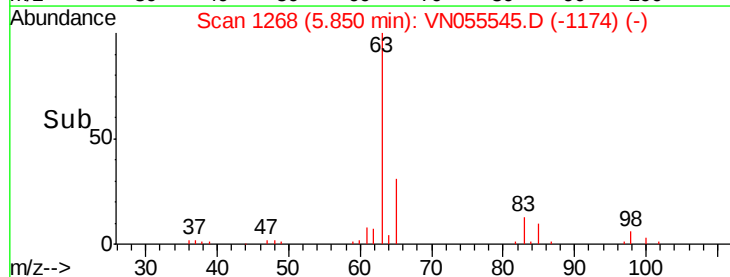
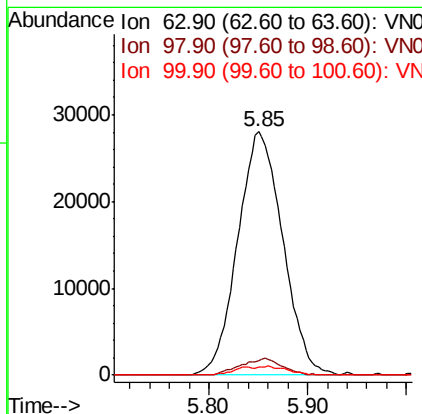
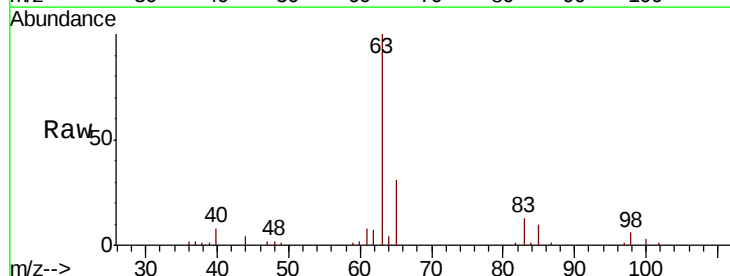
Instrument :
MSVOA_N
ClientSampleId :
IW-17

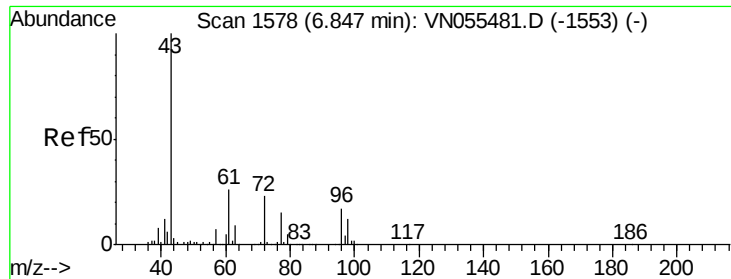
Tot Ion: 43 Resp: 6980
Ion Ratio Lower Upper
43 100
74 20.2 16.3 24.5



#24
1,1-Dichloroethane
Concen: 3.956 ug/l
RT: 5.85 min Scan# 1268
Delta R.T. 0.00 min
Lab File: VN055545.D
Acq: 10 May 2019 12:22

Tgt Ion: 63 Resp: 88617
Ion Ratio Lower Upper
63 100
98 6.0 3.0 9.0
100 3.2 1.9 5.7





#25

2-Butanone

Concen: 0.203 ug/l

RT: 6.86 min Scan# 1581

Delta R.T. 0.01 min

Lab File: VN055545.D

Acq: 10 May 2019 12:22

Instrument :

MSVOA_N

ClientSampled :

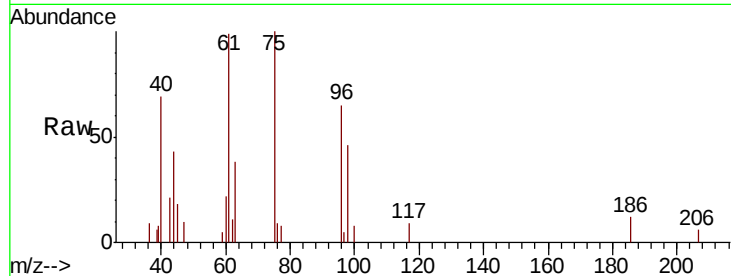
IW-17

Tot Ion: 43 Resp: 1783

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.86

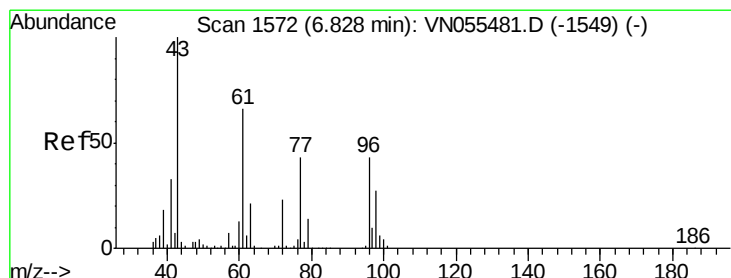
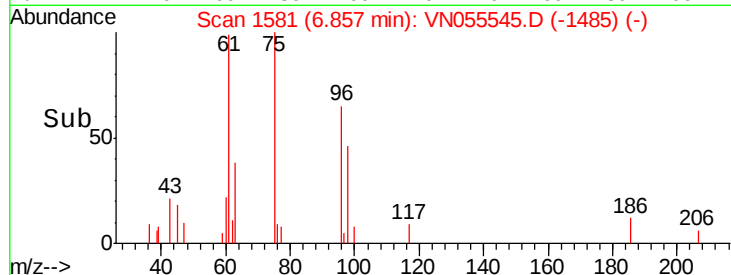
600

400

200

0

Time-->



#27

cis-1,2-Dichloroethene

Concen: 1.113 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN055545.D

Acq: 10 May 2019 12:22

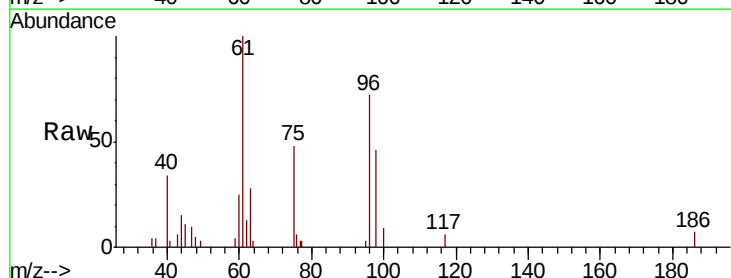
Tgt Ion: 96 Resp: 13906

Ion Ratio Lower Upper

96 100

61 133.7 0.0 310.8

98 31.3 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

8000

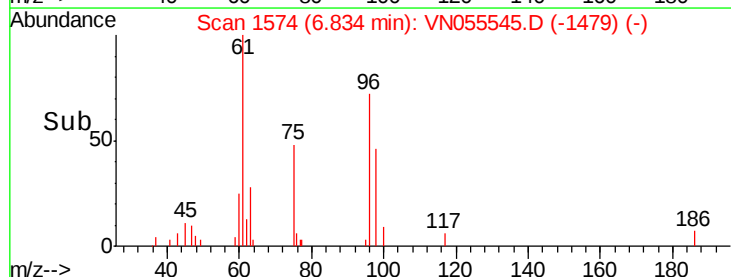
6000

4000

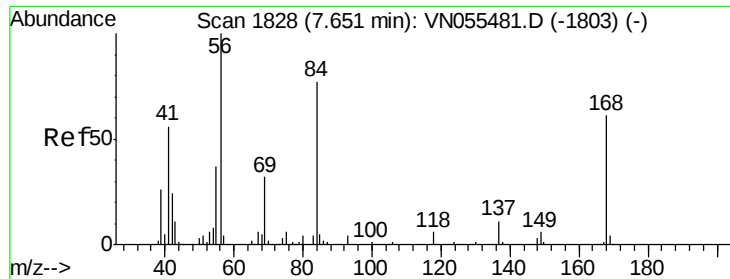
2000

0

Time-->



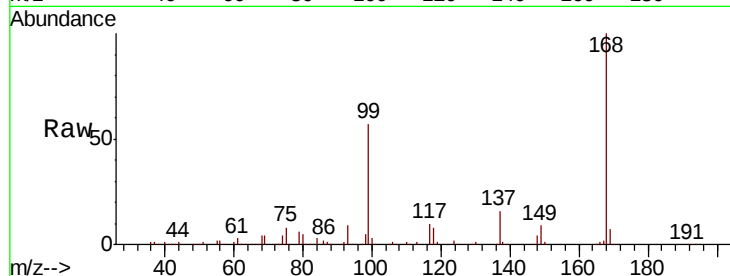
6.83



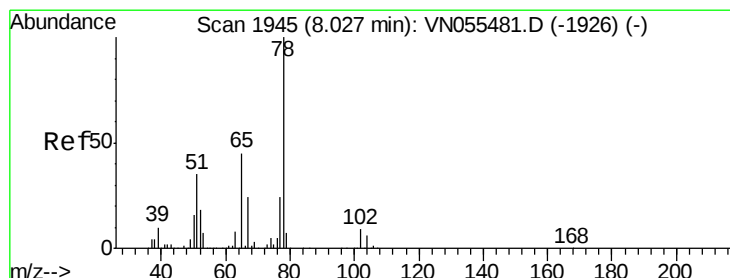
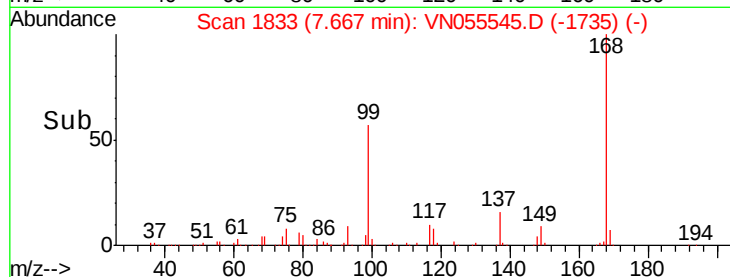
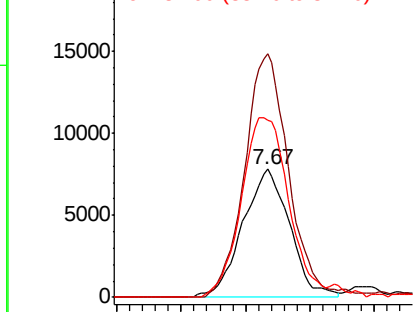
#31
Cyclohexane
Concen: 0.893 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.02 min
Lab File: VN055545.D
Acq: 10 May 2019 12:22

Instrument :
MSVOA_N
ClientSampleId :
IW-17

Tot Ion: 56 Resp: 19794
Ion Ratio Lower Upper
56 100
69 189.8 26.0 39.0#
84 137.8 61.9 92.9#

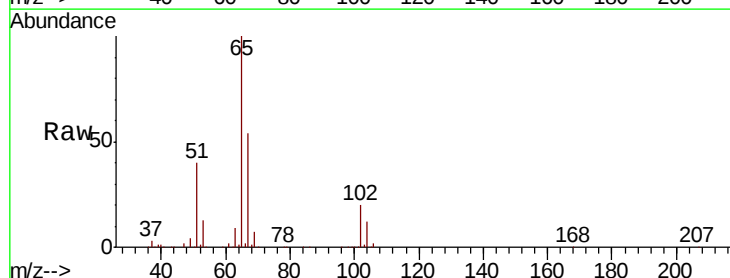


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

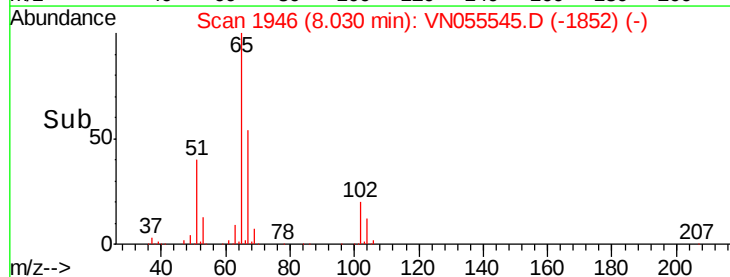
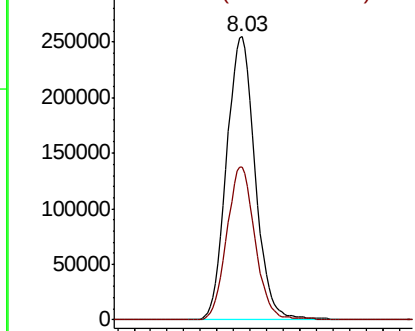


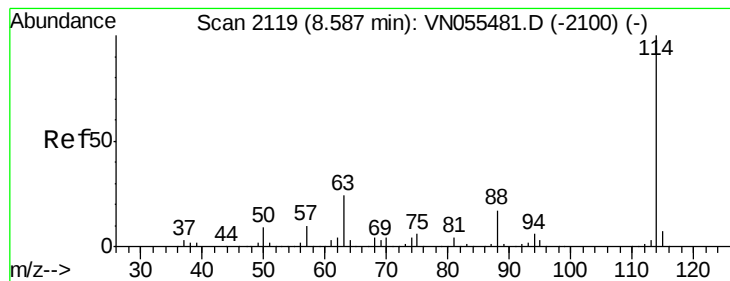
#33
1,2-Dichloroethane-d4
Concen: 44.509 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN055545.D
Acq: 10 May 2019 12:22

Tgt Ion: 65 Resp: 611233
Ion Ratio Lower Upper
65 100
67 53.2 0.0 109.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN055545.D

Acq: 10 May 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

IW-17

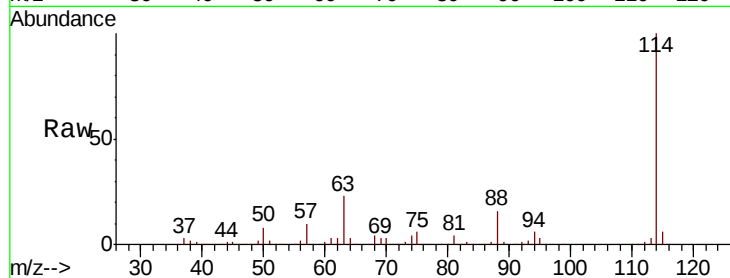
Tot Ion:114 Resp: 1487440

Ion Ratio Lower Upper

114 100

63 22.9 0.0 47.4

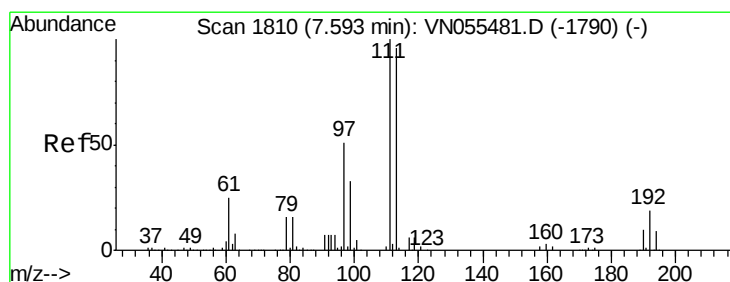
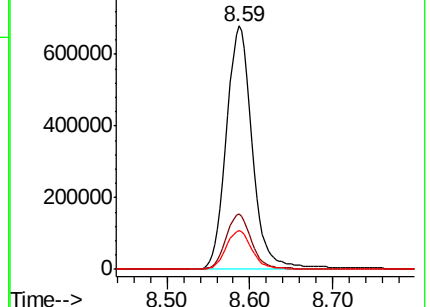
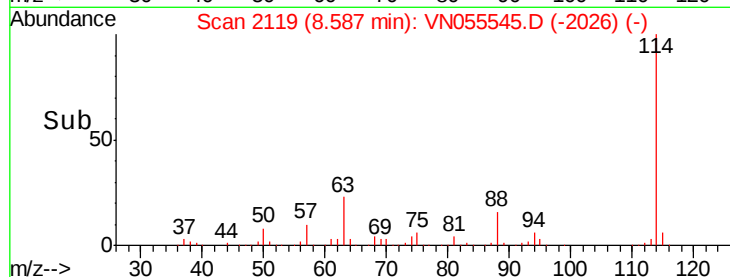
88 16.0 0.0 34.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 49.142 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN055545.D

Acq: 10 May 2019 12:22

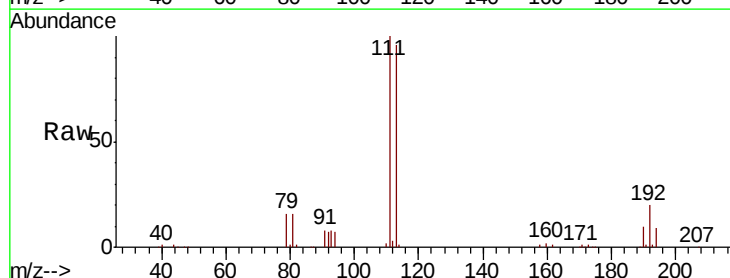
Tgt Ion:113 Resp: 471529

Ion Ratio Lower Upper

113 100

111 102.1 82.9 124.3

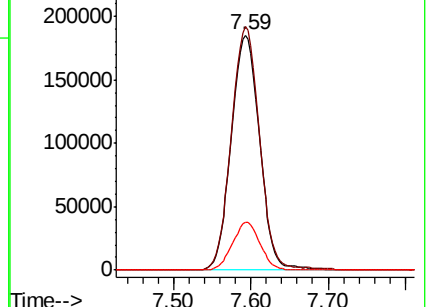
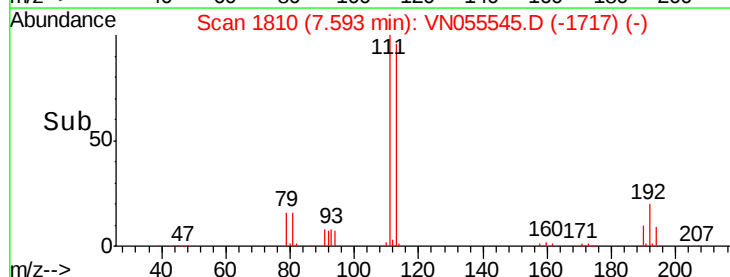
192 19.8 15.6 23.4

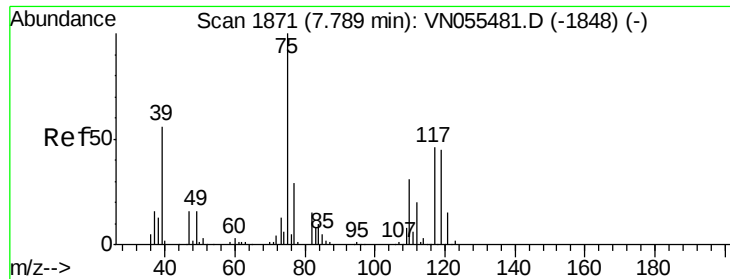


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

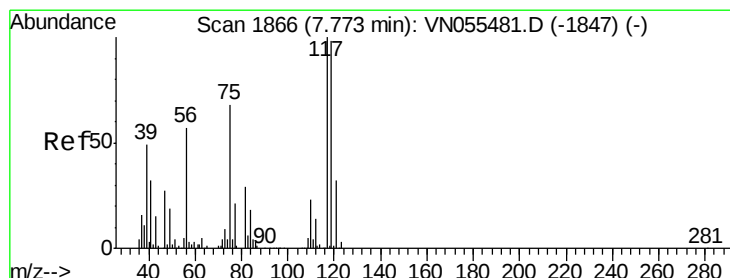
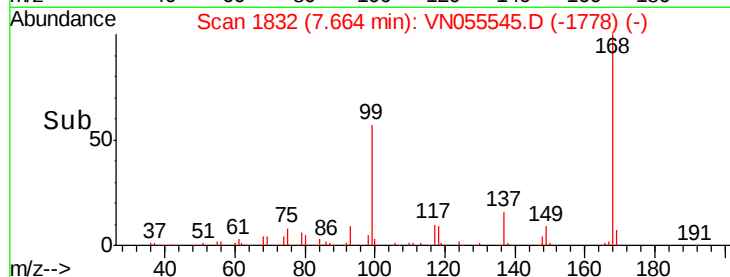
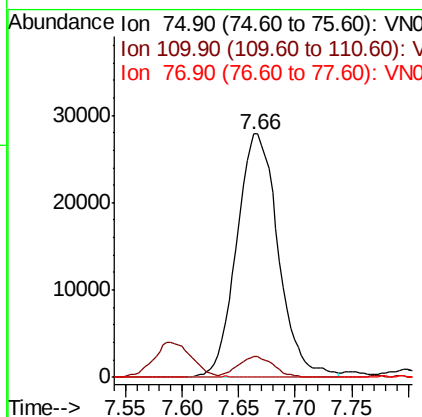
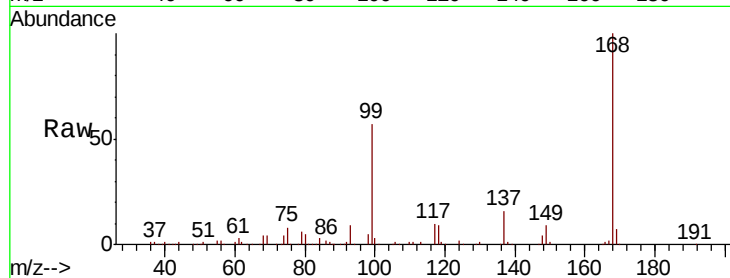




#36
 1,1-Dichloropropene
 Concen: 4.881 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055545.D
 Acq: 10 May 2019 12:22

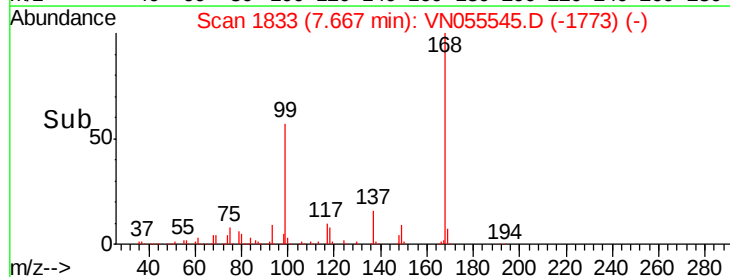
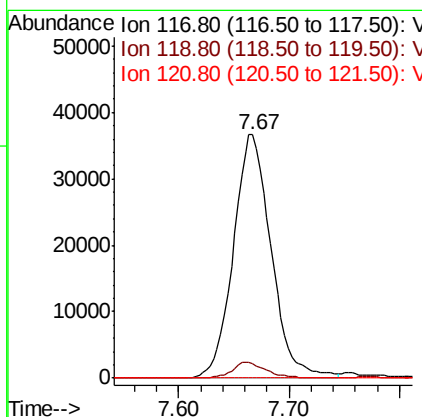
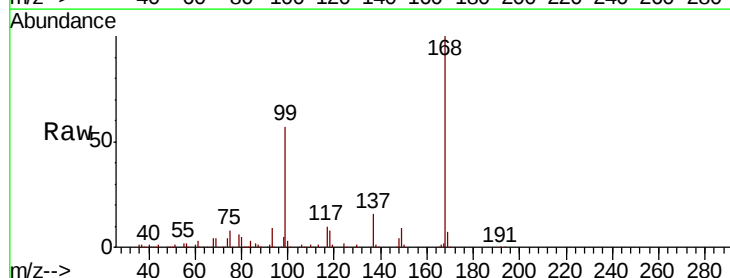
Instrument :
 MSVOA_N
 ClientSampleId :
 IW-17

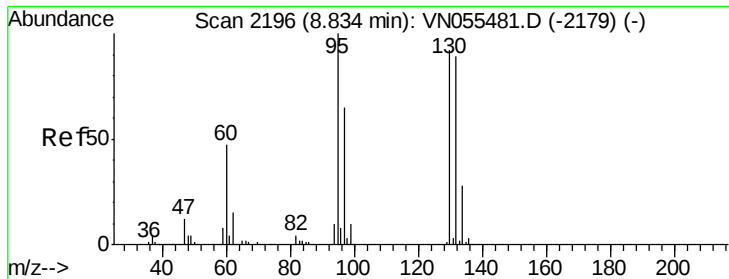
Tot Ion: 75 Resp: 71521
 Ion Ratio Lower Upper
 75 100
 110 7.3 16.1 48.3#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 7.043 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN055545.D
 Acq: 10 May 2019 12:22

Tgt Ion: 117 Resp: 86909
 Ion Ratio Lower Upper
 117 100
 119 5.8 77.8 116.6#
 121 0.0 25.2 37.8#





#44

Trichloroethene

Concen: 0.250 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055545.D

Acq: 10 May 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

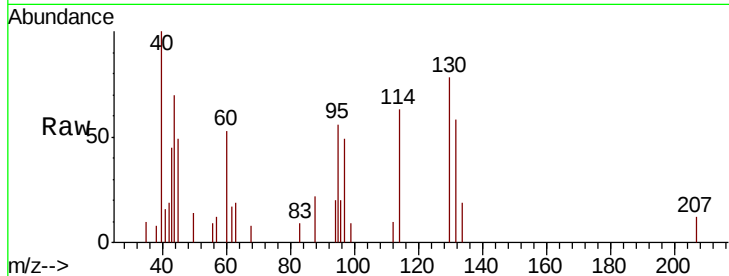
IW-17

Tot Ion:130 Resp: 2709

Ion Ratio Lower Upper

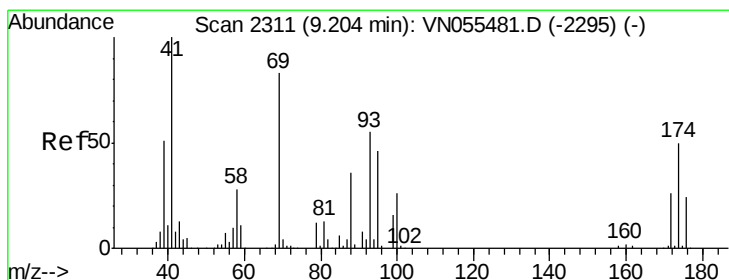
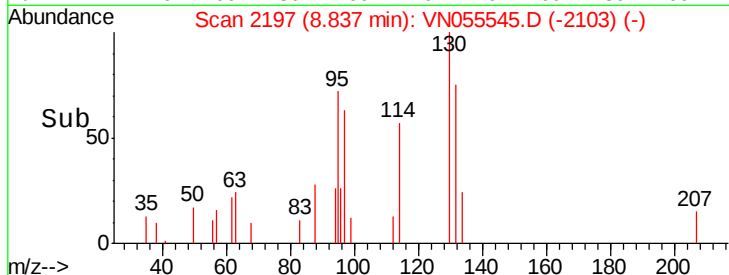
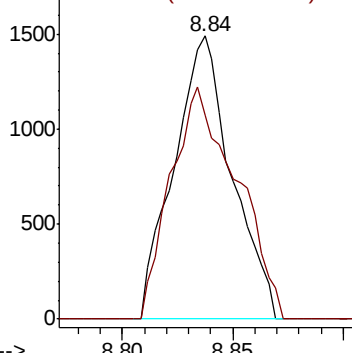
130 100

95 72.1 0.0 216.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VNO



#49

1,4-Dioxane

Concen: 1.057 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN055545.D

Acq: 10 May 2019 12:22

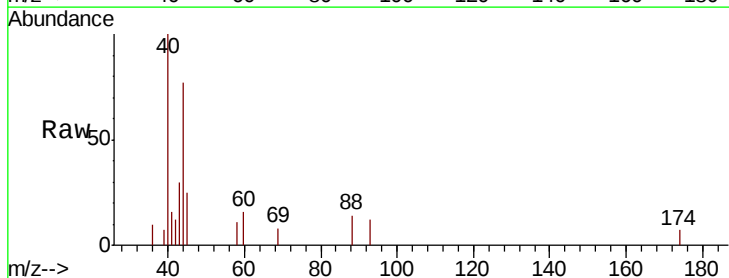
Tgt Ion: 88 Resp: 241

Ion Ratio Lower Upper

88 100

43 106.2 27.8 41.8#

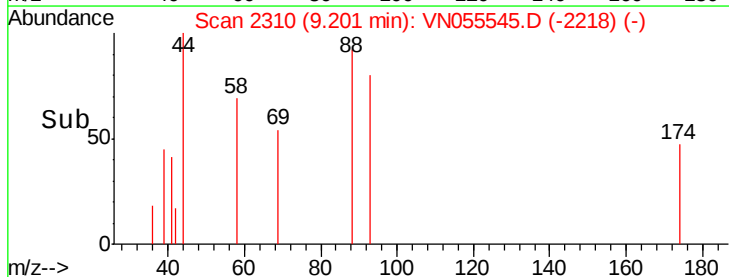
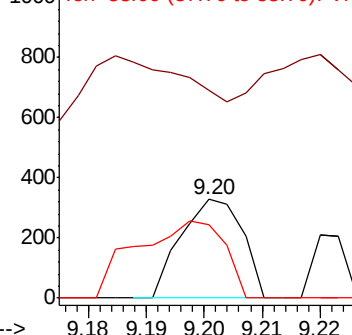
58 112.0 61.8 92.6#

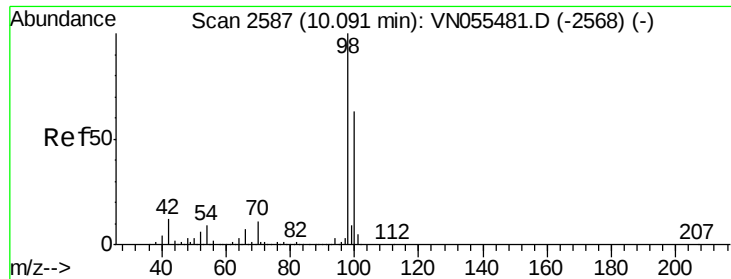


Abundance Ion 88.00 (87.70 to 88.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#50

Toluene-d8

Concen: 47.897 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055545.D

Acq: 10 May 2019 12:22

Instrument :

MSVOA_N

ClientSampled :

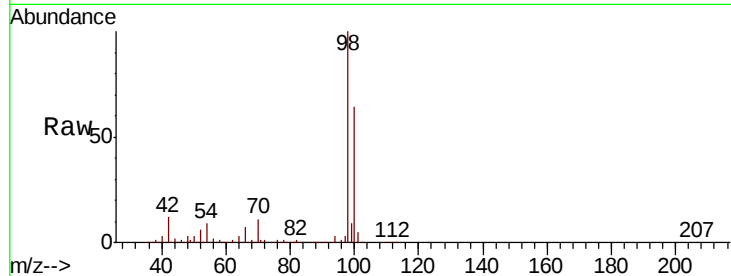
IW-17

Tot Ion: 98 Resp: 1790954

Ion Ratio Lower Upper

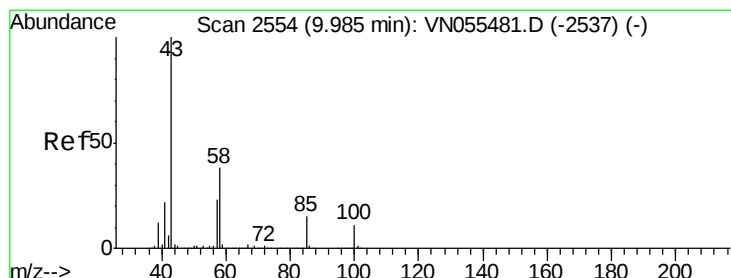
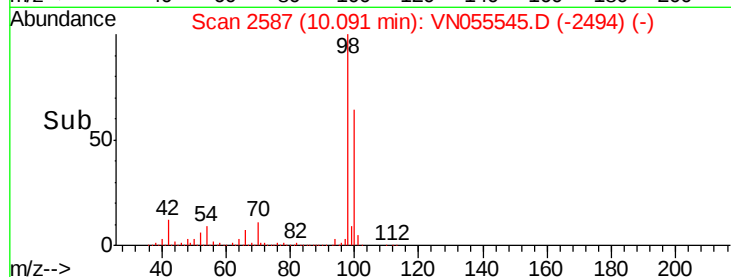
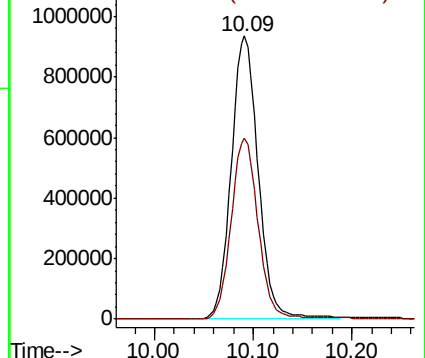
98 100

100 64.4 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 0.283 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN055545.D

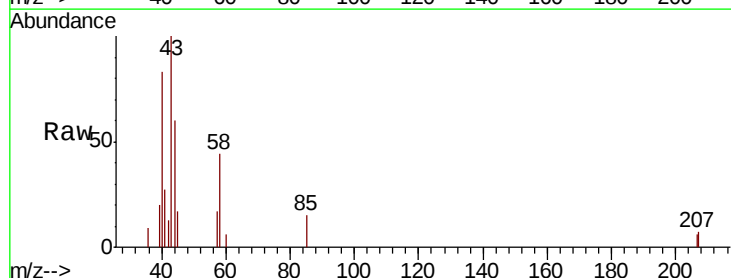
Acq: 10 May 2019 12:22

Tgt Ion: 43 Resp: 4519

Ion Ratio Lower Upper

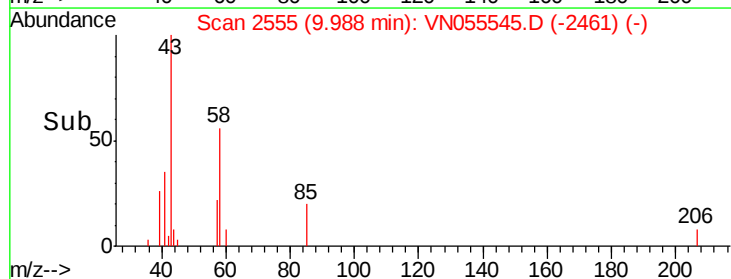
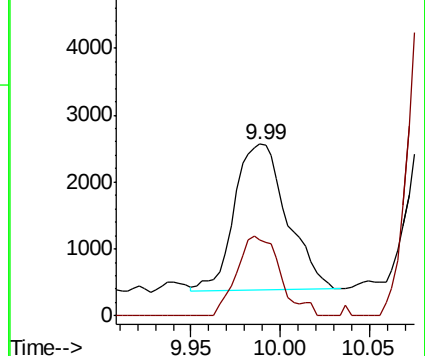
43 100

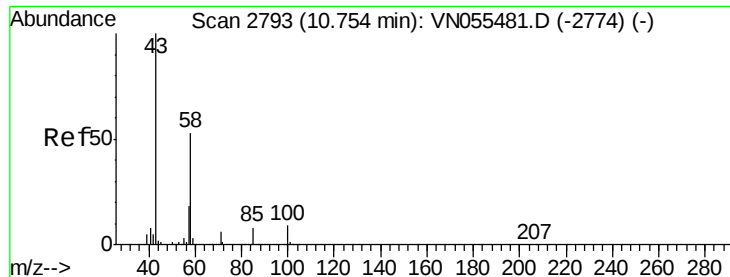
58 45.0 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

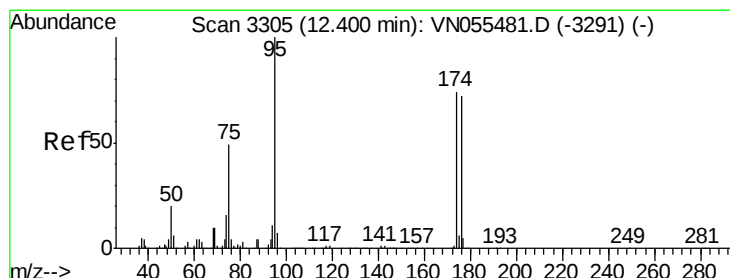
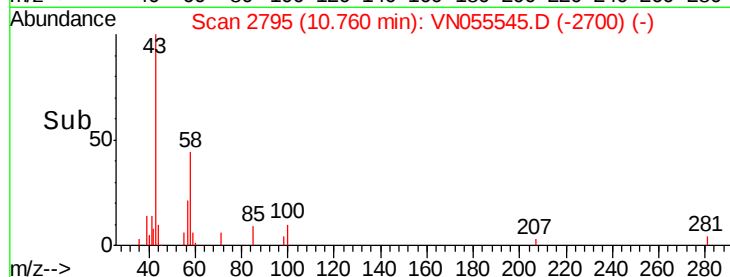
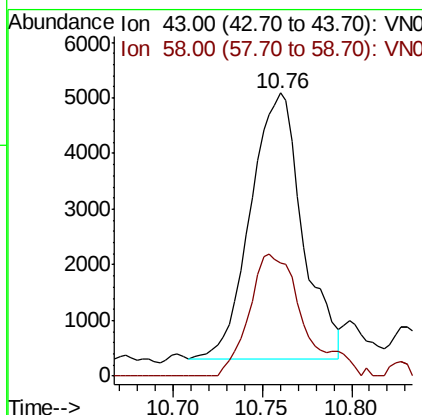
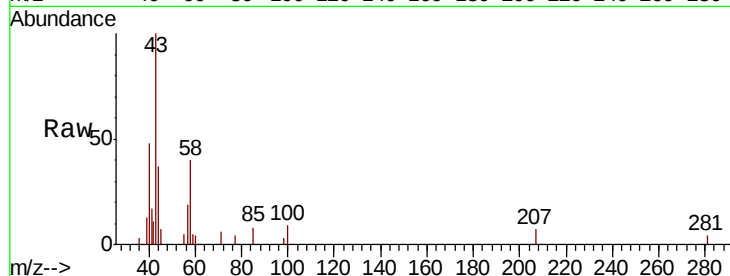




#59
2-Hexanone
Concen: 0.865 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN055545.D
Acq: 10 May 2019 12:22

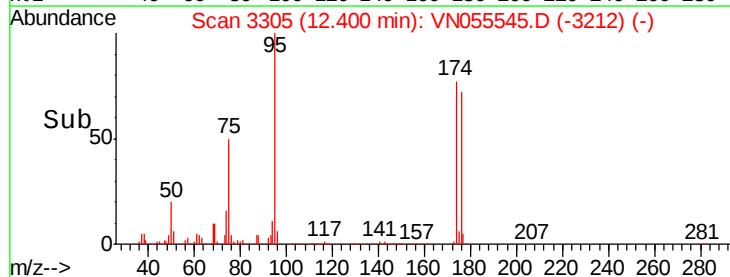
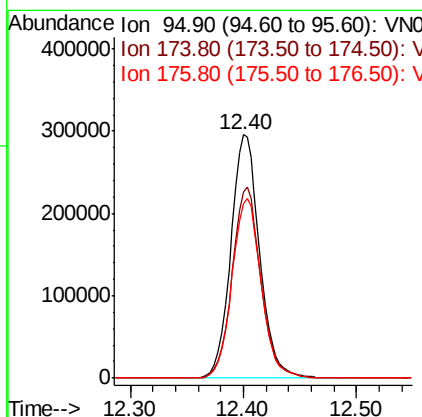
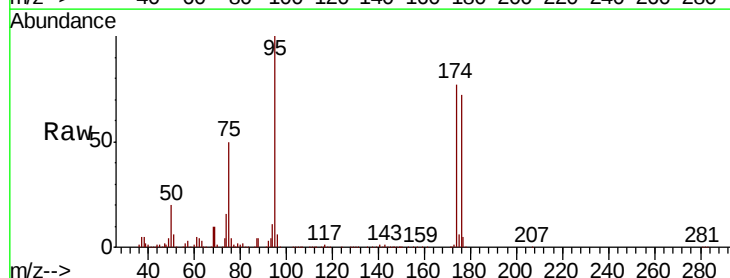
Instrument :
MSVOA_N
ClientSampleId :
IW-17

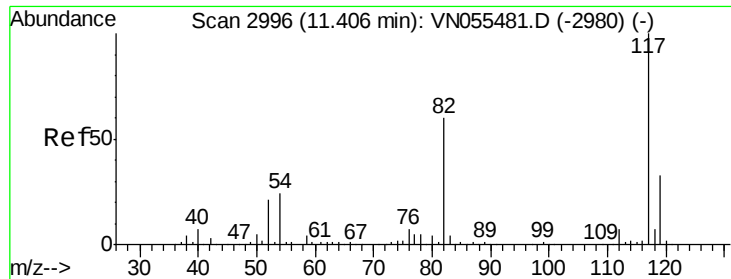
Tot Ion: 43 Resp: 9688
Ion Ratio Lower Upper
43 100
58 48.2 26.4 79.0



#62
4-Bromofluorobenzene
Concen: 41.391 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN055545.D
Acq: 10 May 2019 12:22

Tgt Ion: 95 Resp: 521855
Ion Ratio Lower Upper
95 100
174 78.1 0.0 152.2
176 74.9 0.0 147.8

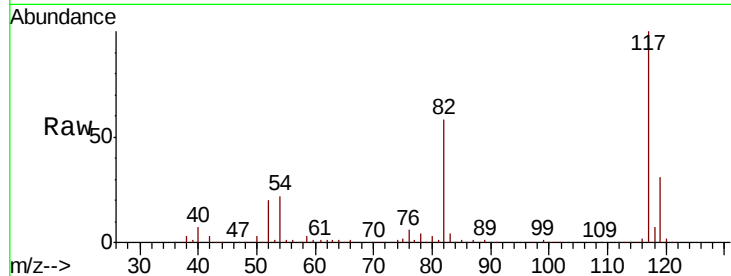




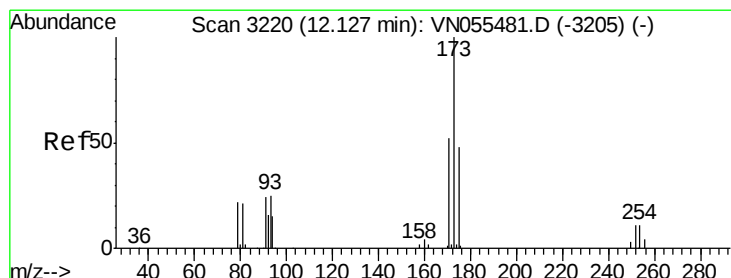
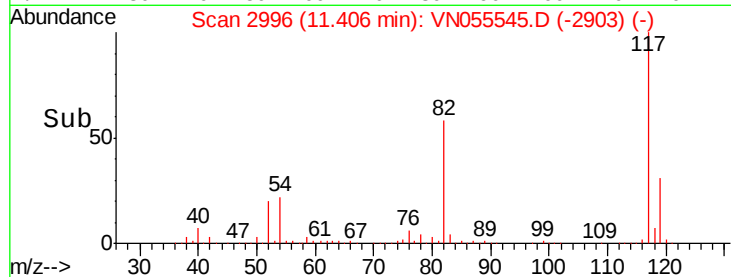
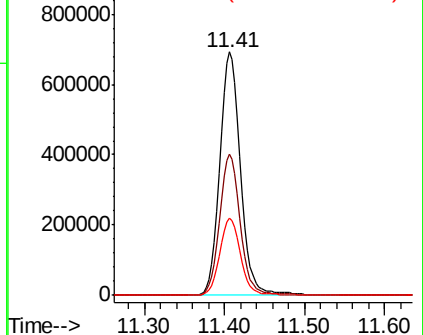
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055545.D
Acq: 10 May 2019 12:22

Instrument :
MSVOA_N
ClientSampled :
IW-17

Tot Ion:117 Resp: 1243306
Ion Ratio Lower Upper
117 100
82 57.9 48.0 72.0
119 31.5 26.0 39.0

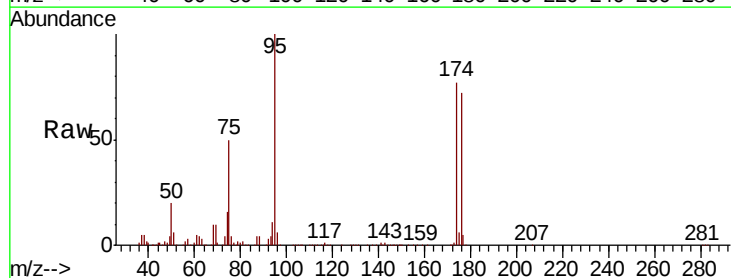


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

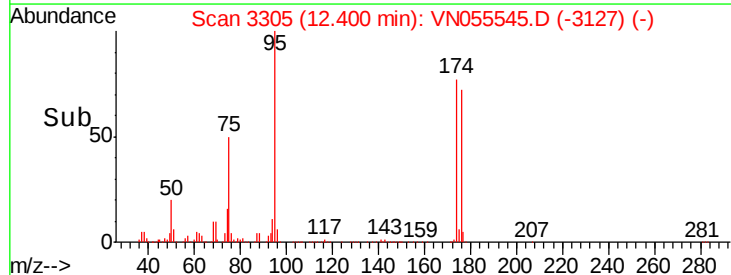
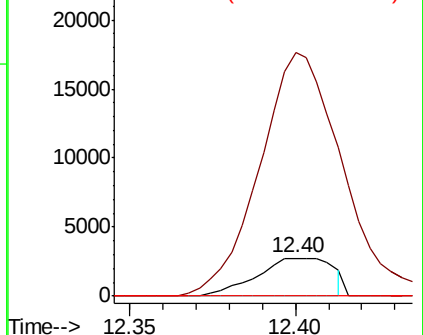


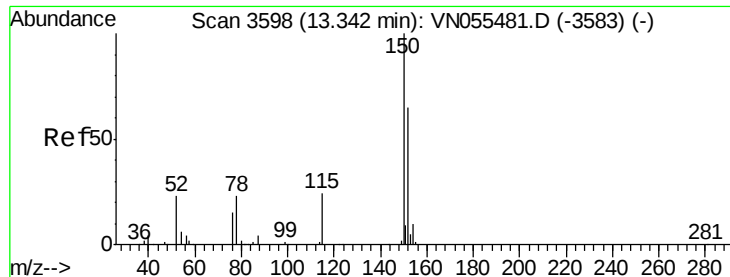
#71
Bromoform
Concen: 0.737 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN055545.D
Acq: 10 May 2019 12:22

Tgt Ion:173 Resp: 4381
Ion Ratio Lower Upper
173 100
175 591.1 24.1 72.4#
254 0.0 0.1 0.1#



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# 3598

Delta R.T. -0.00 min

Lab File: VN055545.D

Acq: 10 May 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

IW-17

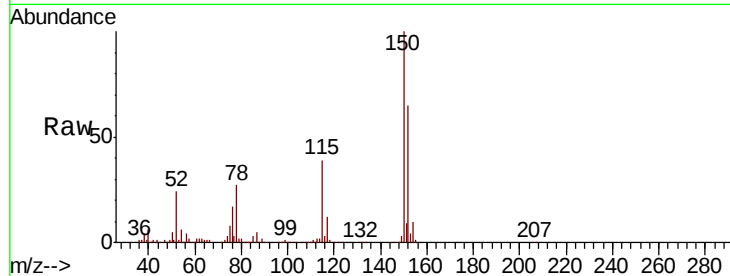
Tot Ion:152 Resp: 343842

Ion Ratio Lower Upper

152 100

115 59.7 30.1 90.5

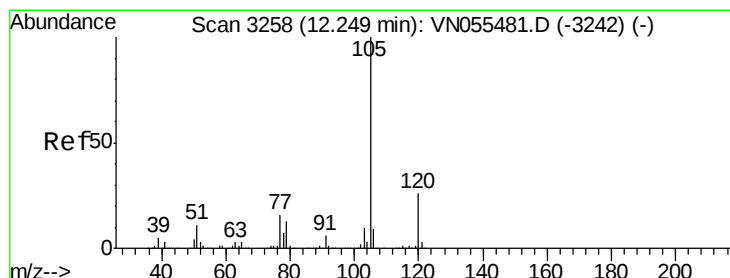
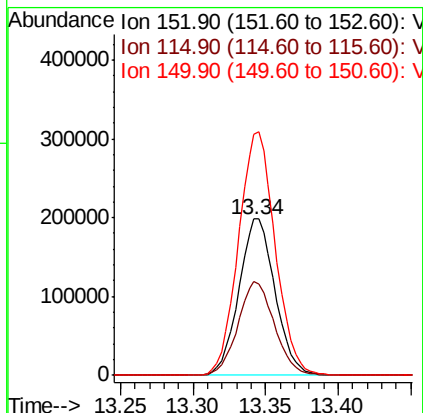
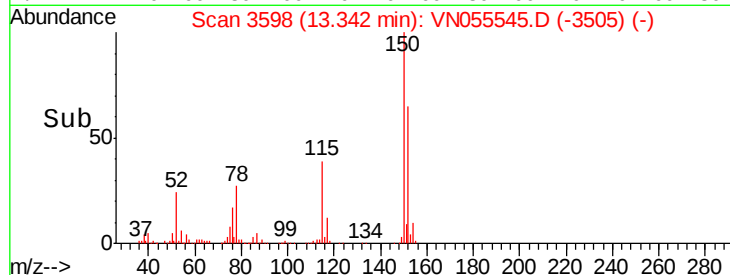
150 157.6 0.0 355.0



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



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055545.D

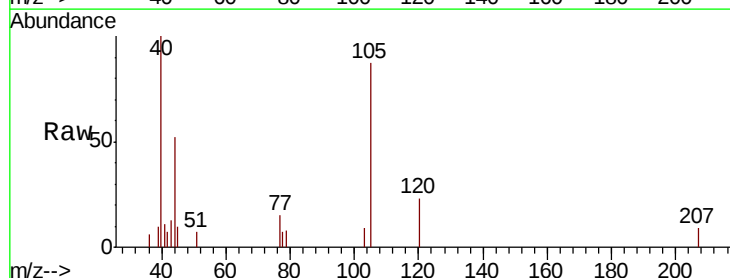
Acq: 10 May 2019 12:22

Tgt Ion:105 Resp: 3262

Ion Ratio Lower Upper

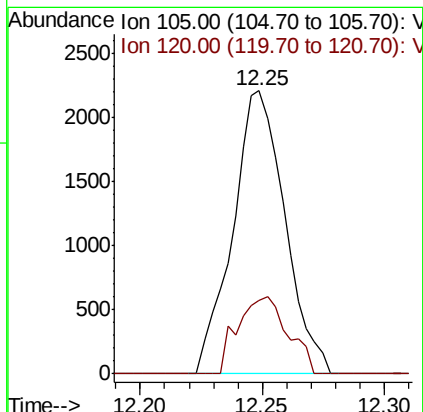
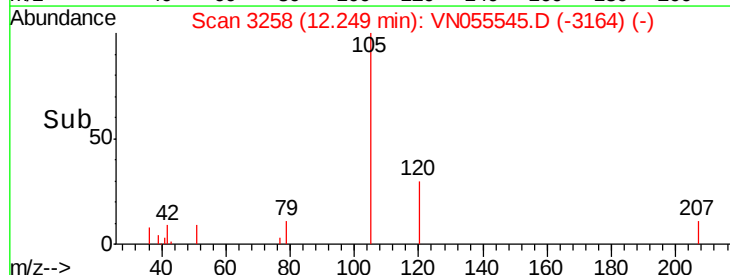
105 100

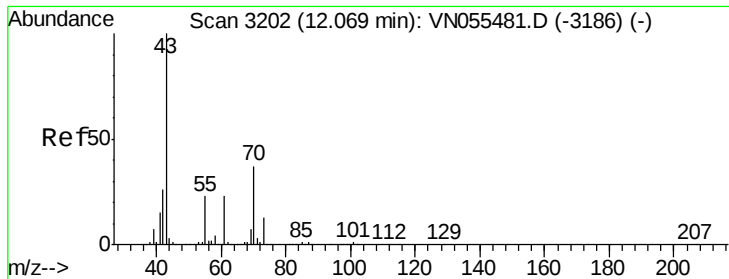
120 26.3 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.241 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.01 min

Lab File: VN055545.D

Acq: 10 May 2019 12:22

Instrument :

MSVOA_N

ClientSampled :

IW-17

Tot Ion: 43 Resp: 3146

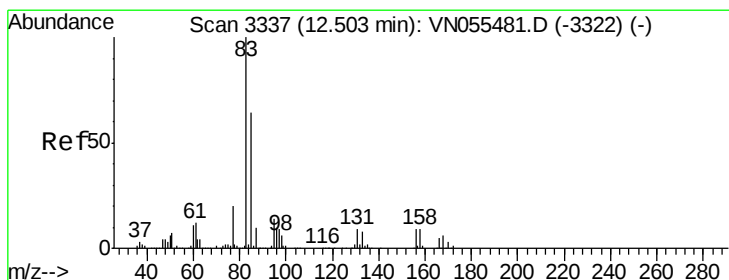
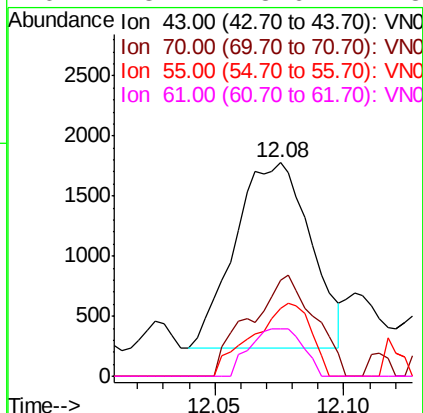
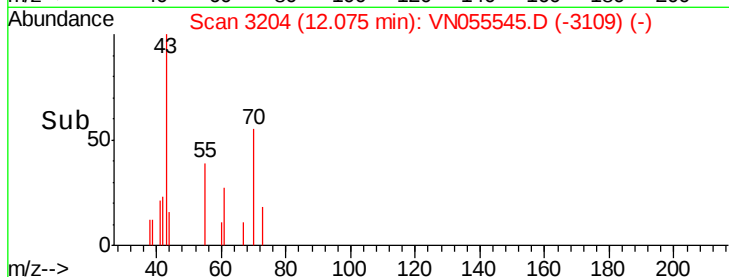
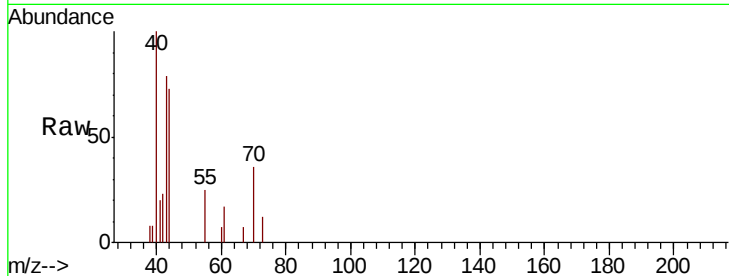
Ion Ratio Lower Upper

43 100

70 46.5 30.7 46.1#

55 30.4 19.3 28.9#

61 18.2 18.6 27.8#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055545.D

Acq: 10 May 2019 12:22

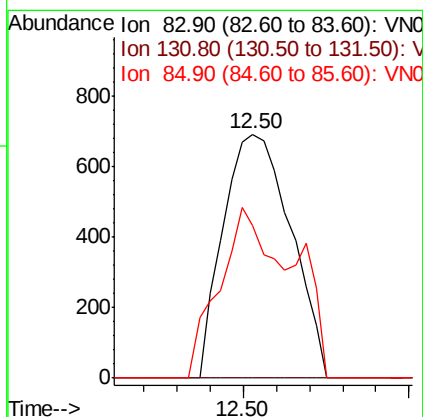
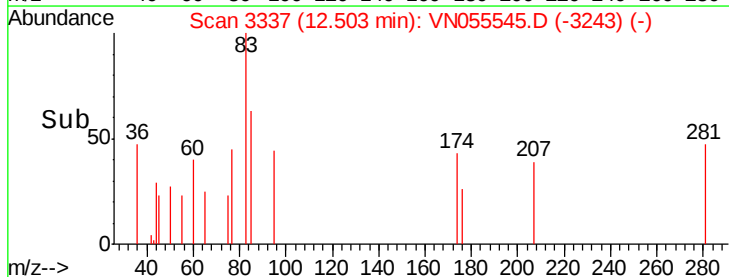
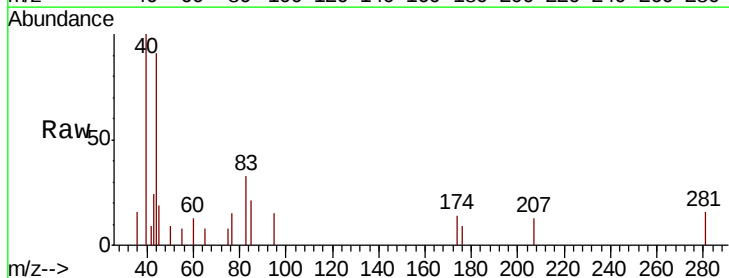
Tgt Ion: 83 Resp: 982

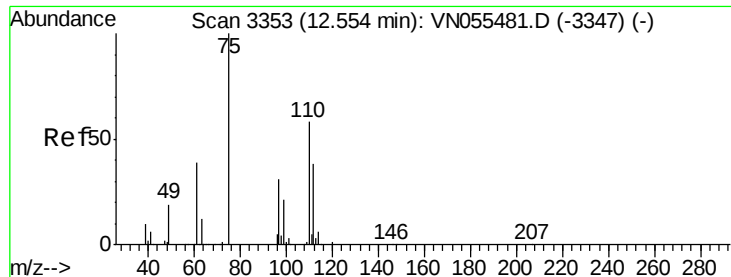
Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.5#

85 57.2 32.0 96.0





#76

1,2,3-Trichloropropane

Concen: 27.813 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055545.D

Acq: 10 May 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

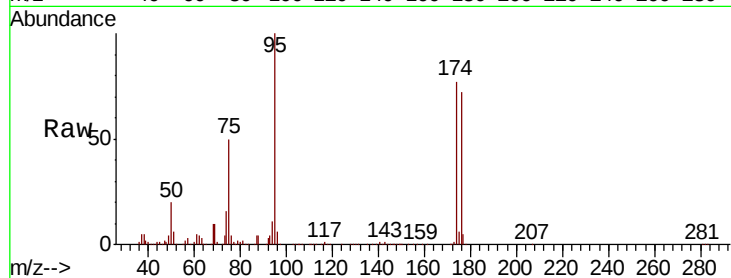
IW-17

Tot Ion: 75 Resp: 260347

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

12.40

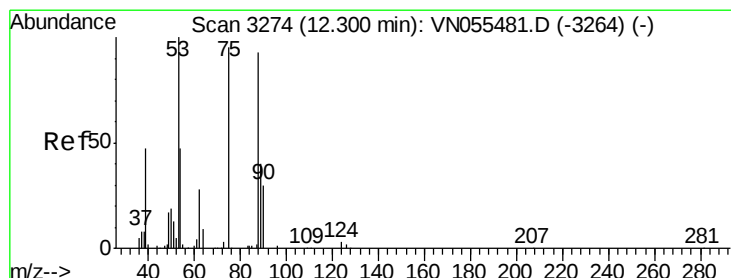
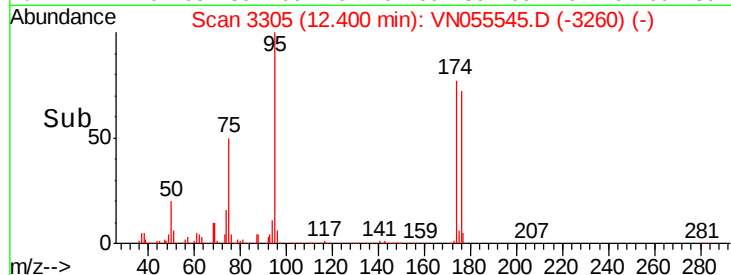
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 102.627 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055545.D

Acq: 10 May 2019 12:22

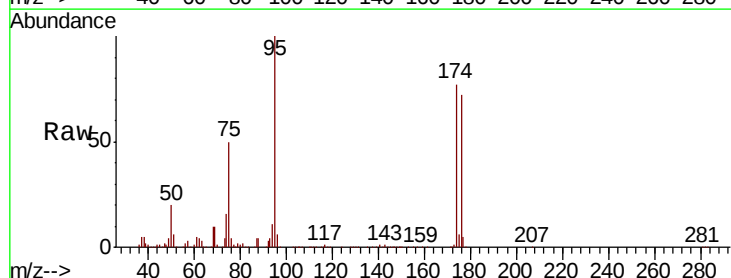
Tgt Ion: 75 Resp: 260347

Ion Ratio Lower Upper

75 100

53 0.1 86.5 129.7#

89 0.0 35.7 53.5#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

12.40

200000

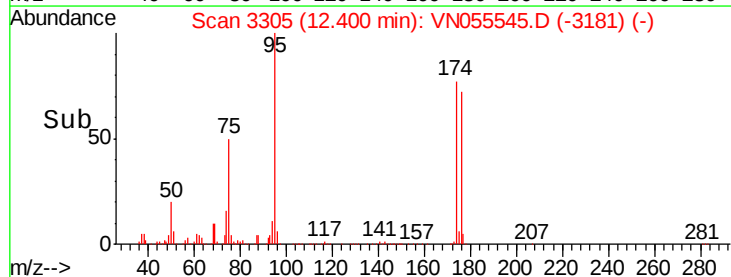
150000

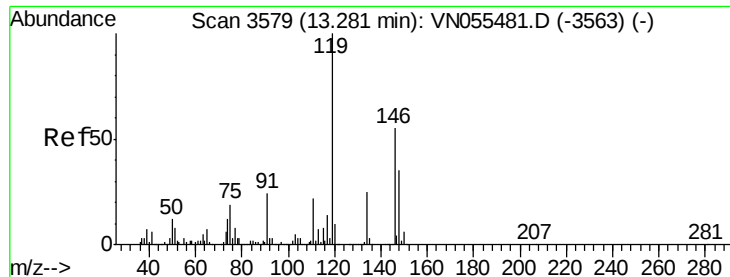
100000

50000

0

Time--> 12.30 12.40 12.50

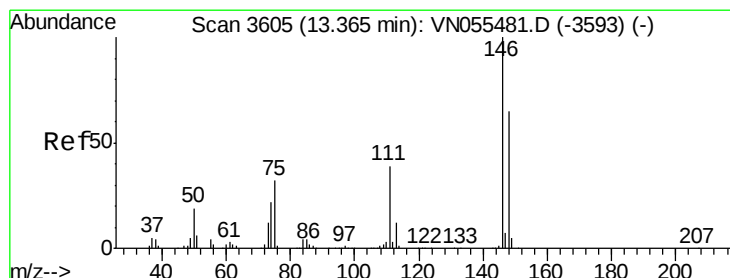
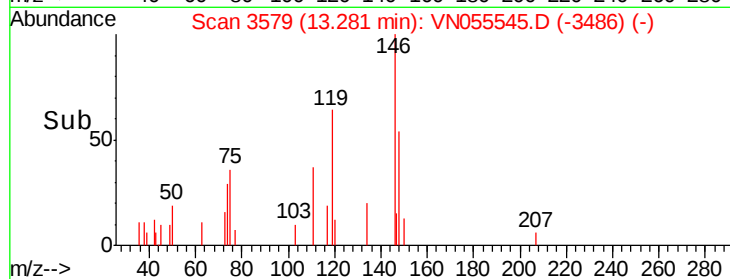
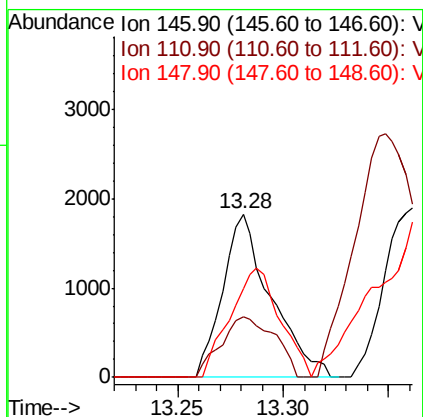
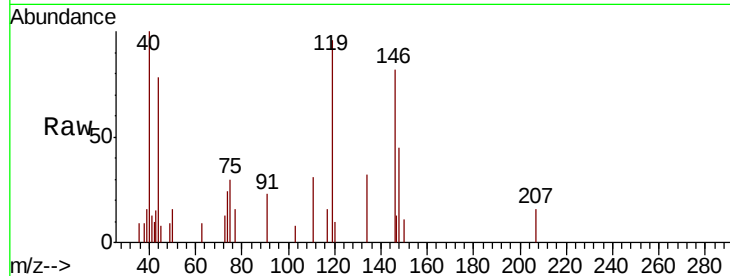




#87
 1,3-Dichlorobenzene
 Concen: 0.248 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN055545.D
 Acq: 10 May 2019 12:22

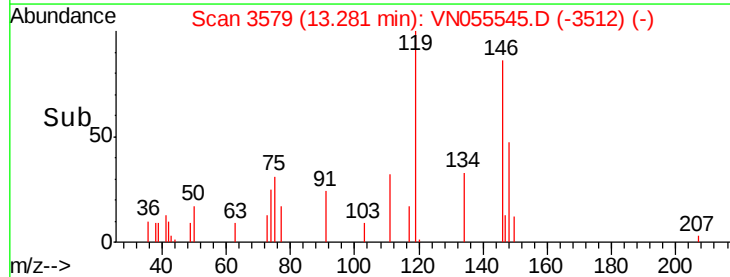
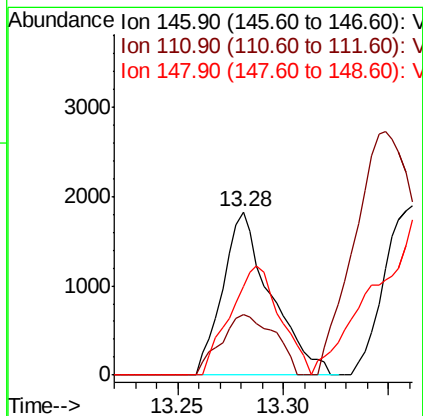
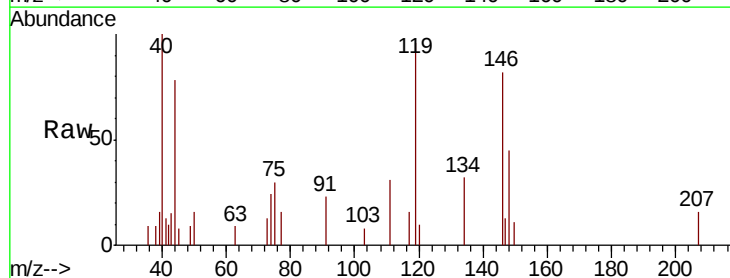
Instrument :
 MSVOA_N
 ClientSampled :
 IW-17

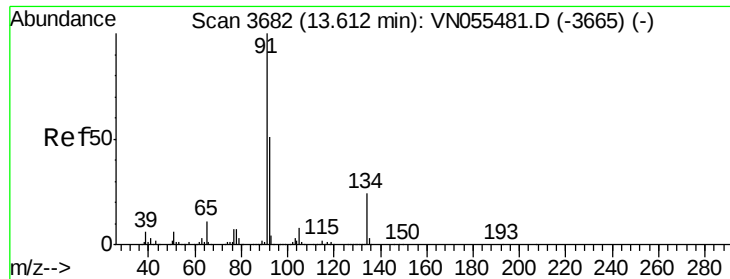
Tot Ion:146 Resp: 2899
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.4 61.3
 148 68.7 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 0.251 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.08 min
 Lab File: VN055545.D
 Acq: 10 May 2019 12:22

Tgt Ion:146 Resp: 2899
 Ion Ratio Lower Upper
 146 100
 111 41.4 19.6 58.8
 148 68.7 32.5 97.4





#89

n-Butylbenzene

Concen: 0.370 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN055545.D

Acq: 10 May 2019 12:22

Instrument :

MSVOA_N

ClientSampled :

IW-17

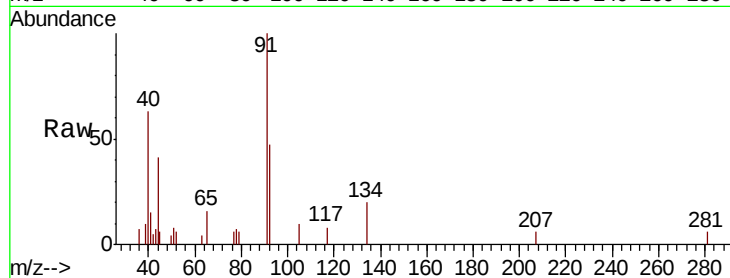
Tot Ion: 91 Resp: 7310

Ion Ratio Lower Upper

91 100

92 47.8 25.9 77.7

134 18.5 11.8 35.4

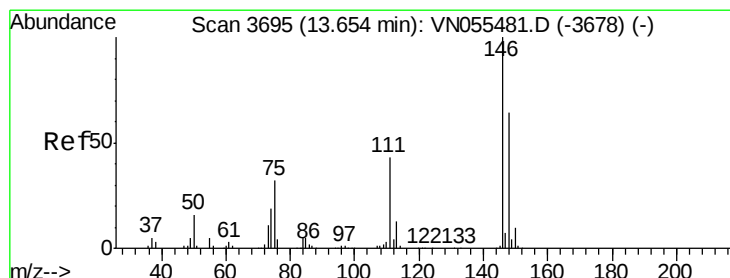
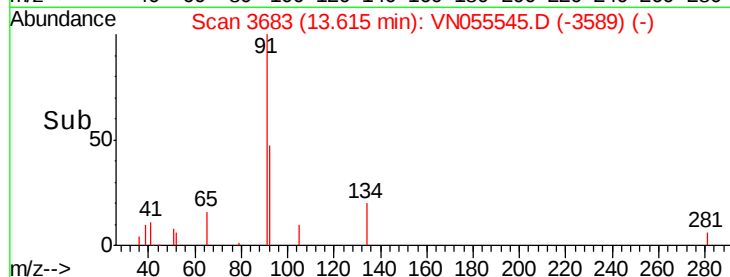


Abundance Ion 91.00 (90.70 to 91.70): VN055481.D (-3665) (-)

Ion 92.00 (91.70 to 92.70): VN055481.D (-3665) (-)

Ion 134.00 (133.70 to 134.70): VN055481.D (-3665) (-)

Time--> 13.55 13.60 13.65



#91

1,2-Dichlorobenzene

Concen: 0.272 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN055545.D

Acq: 10 May 2019 12:22

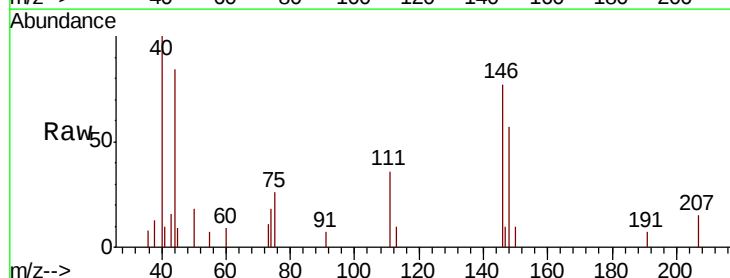
Tgt Ion: 146 Resp: 3185

Ion Ratio Lower Upper

146 100

111 48.2 21.3 63.7

148 62.4 31.9 95.9

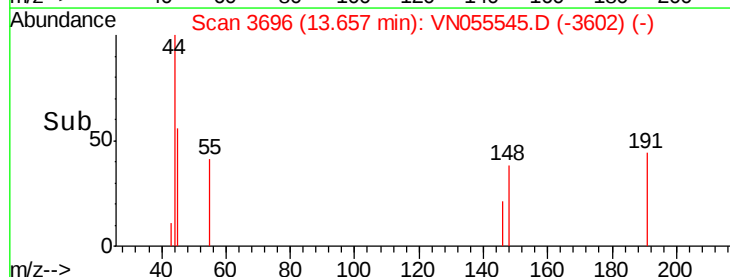


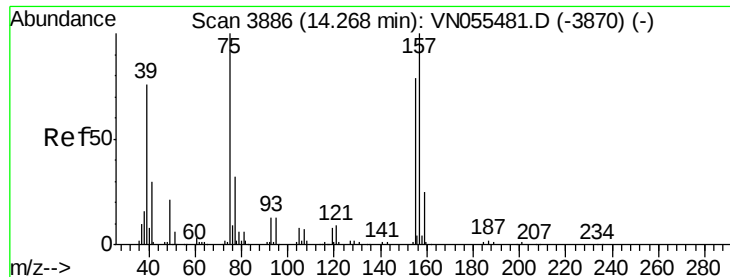
Abundance Ion 145.90 (145.60 to 146.60): VN055481.D (-3678) (-)

Ion 110.90 (110.60 to 111.60): VN055481.D (-3678) (-)

Ion 147.90 (147.60 to 148.60): VN055481.D (-3678) (-)

Time--> 13.60 13.65 13.70





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.259 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN055545.D

Acq: 10 May 2019 12:22

Instrument :

MSVOA_N

ClientSampleId :

IW-17

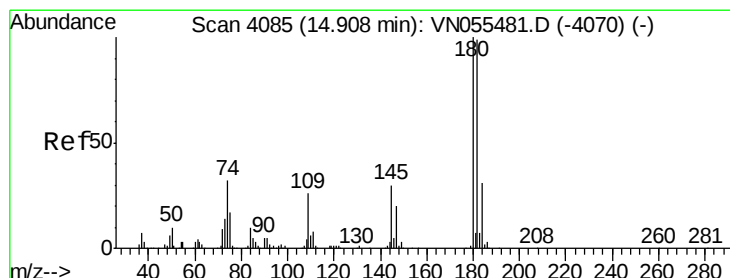
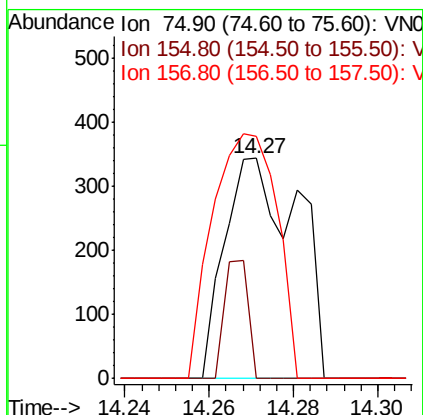
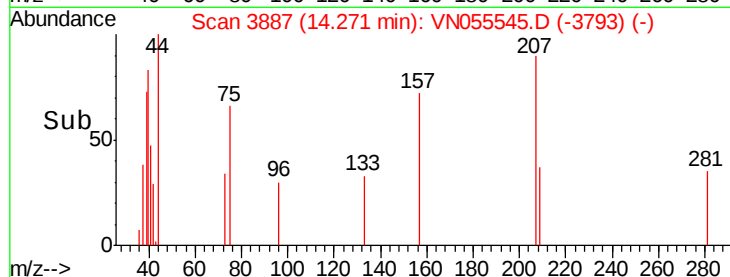
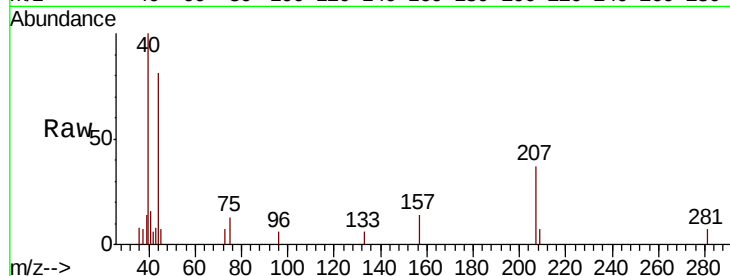
Tot Ion: 75 Resp: 409

Ion Ratio Lower Upper

75 100

155 17.1 39.3 117.8#

157 99.0 50.6 151.8



#93

1,2,4-Trichlorobenzene

Concen: 4.066 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN055545.D

Acq: 10 May 2019 12:22

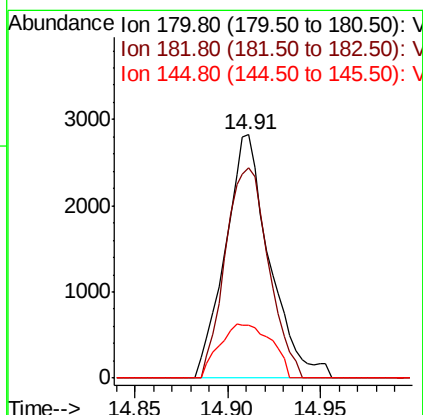
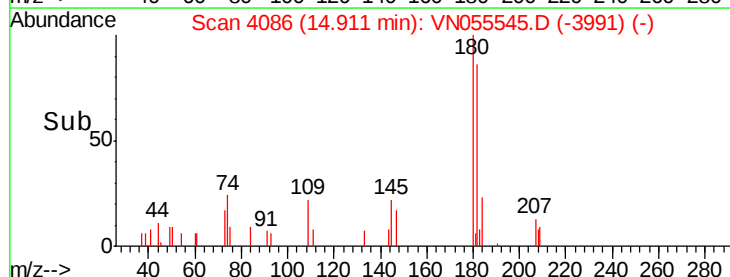
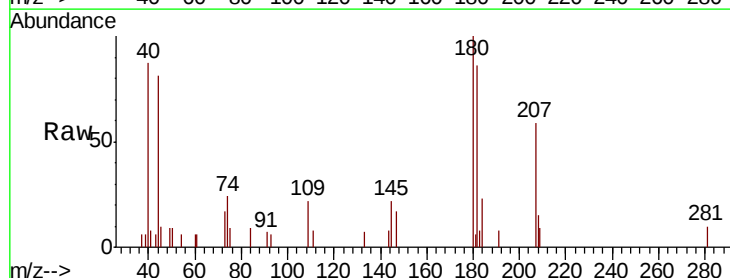
Tgt Ion: 180 Resp: 4686

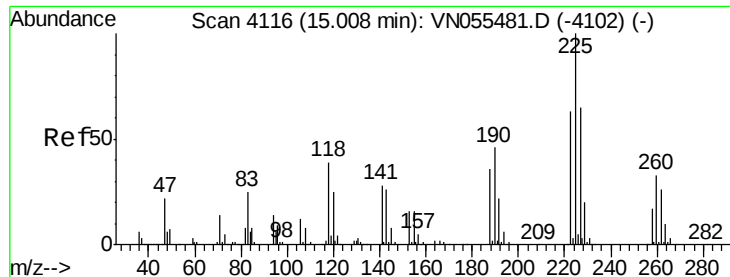
Ion Ratio Lower Upper

180 100

182 84.3 48.7 146.1

145 25.8 15.3 45.9





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN055545.D

Acq: 10 May 2019 12:22

Instrument :

MSVOA_N

ClientSampled :

IW-17

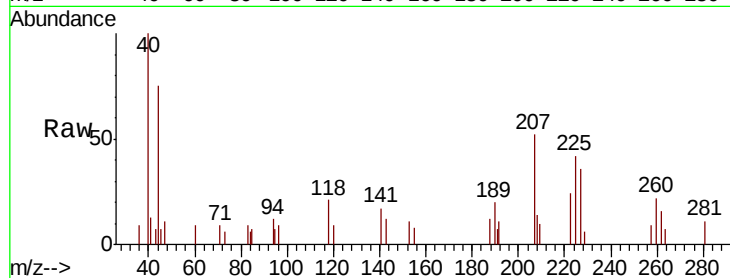
Tot Ion:225 Resp: 1550

Ion Ratio Lower Upper

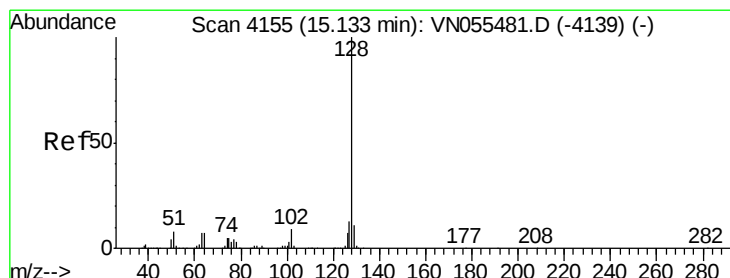
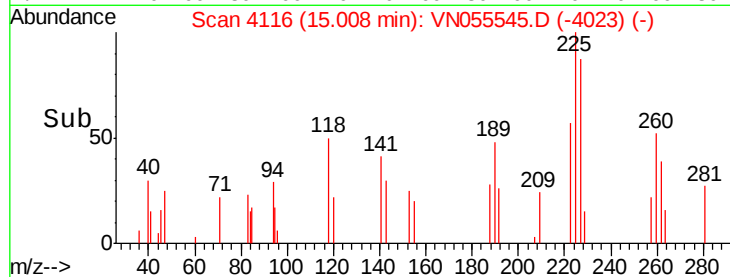
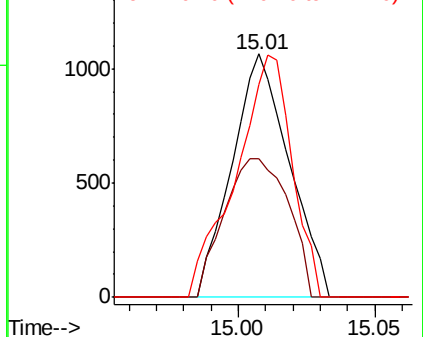
225 100

223 64.1 31.4 94.3

227 97.3 32.0 96.0#



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: 3.825 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN055545.D

Acq: 10 May 2019 12:22

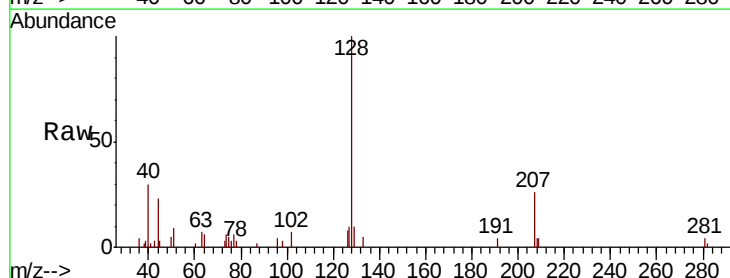
Tgt Ion:128 Resp: 13522

Ion Ratio Lower Upper

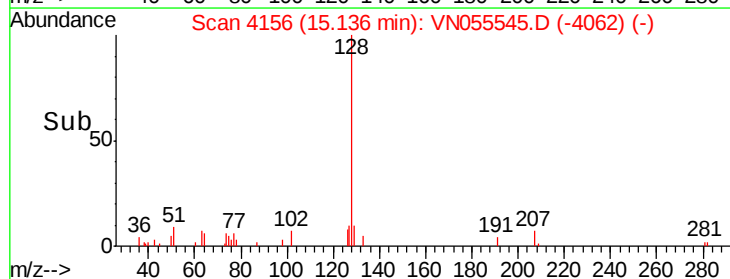
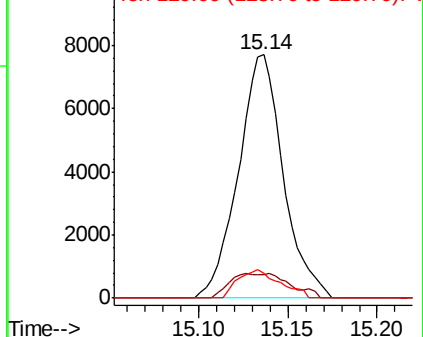
128 100

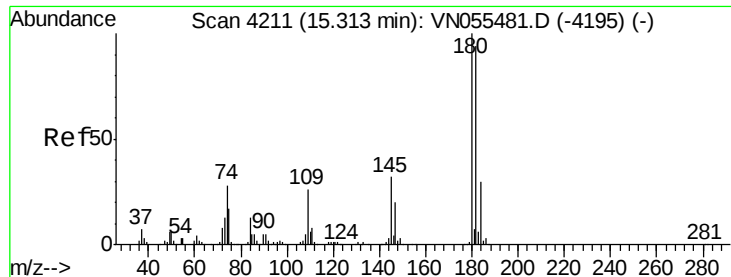
127 6.7 10.0 15.0#

129 10.9 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

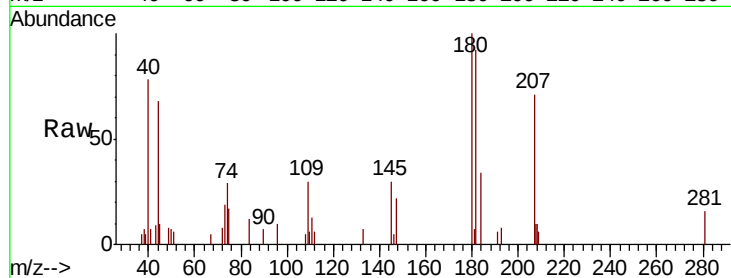




#96
 1,2,3-Trichlorobenzene
 Concen: 3.324 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN055545.D
 Acq: 10 May 2019 12:22

Instrument :
 MSVOA_N
 ClientSampleId :
 IW-17

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.1	141.3
145	26.7	15.8	47.4



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

