

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051019\
 Data File : VN055543.D
 Acq On : 10 May 2019 11:31
 Operator : JC/SP
 Sample : K2758-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IW-15

Quant Time: May 11 00:54:51 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	887470	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1490463	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1239304	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	334246	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	603880	45.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.38%	
35) Dibromofluoromethane	7.59	113	469728	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
50) Toluene-d8	10.09	98	1805306	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	
62) 4-Bromofluorobenzene	12.40	95	512611	40.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.16%	

Target Compounds

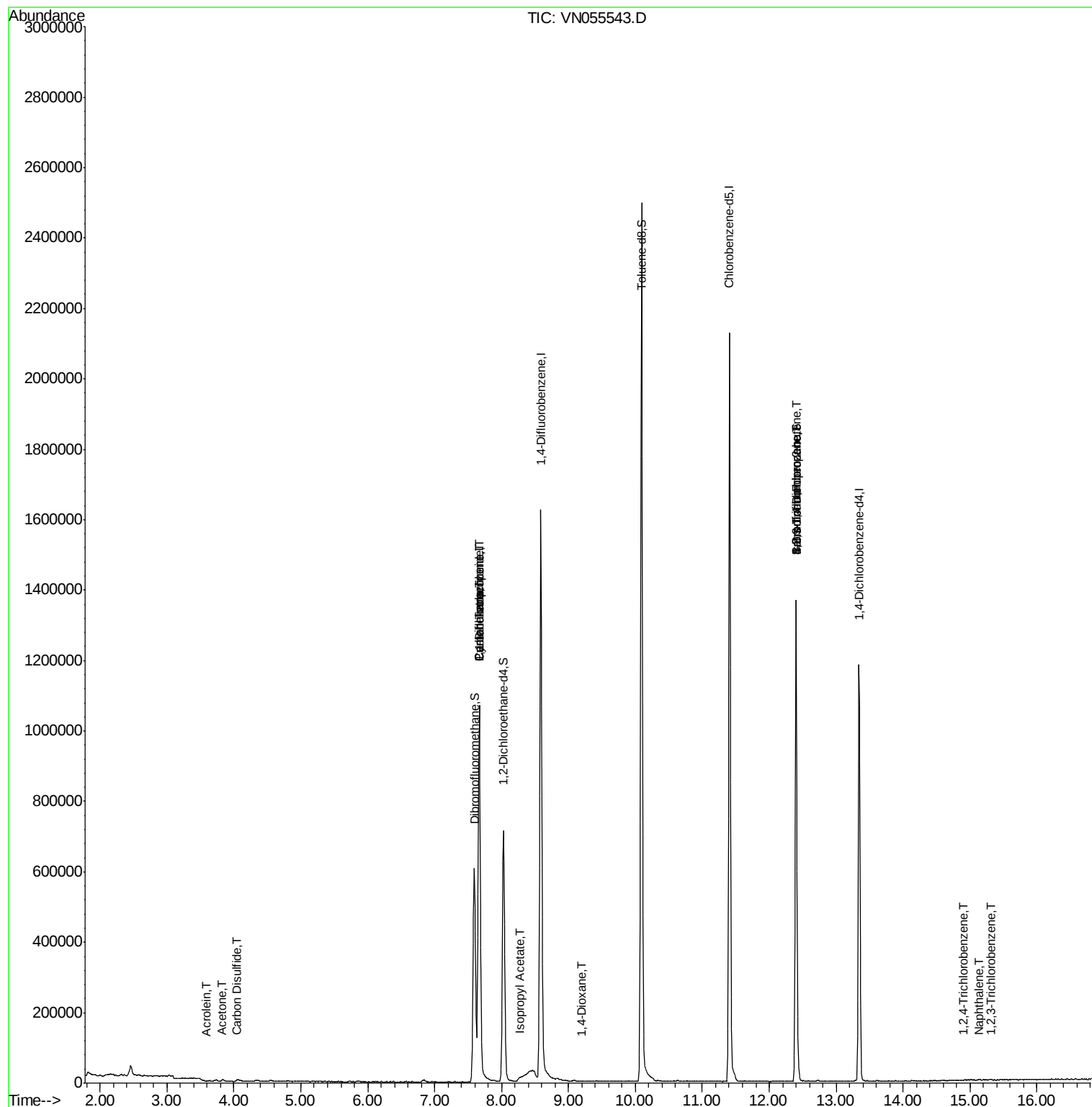
						Qvalue
13) Acrolein	3.60	56	527	0.401	ug/l #	48
16) Acetone	3.83	43	7141	1.154	ug/l #	83
17) Carbon Disulfide	4.05	76	9626	0.364	ug/l	97
18) Methyl Acetate	4.33	43	7044	Below Cal	#	70
31) Cyclohexane	7.66	56	18927	0.878	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	70064	4.772	ug/l #	50
38) Carbon Tetrachloride	7.67	117	84421	6.828	ug/l #	16
43) Isopropyl Acetate	8.27	43	7609	0.313	ug/l #	63
49) 1,4-Dioxane	9.20	88	110	0.481	ug/l #	1
71) Bromoform	12.40	173	4010	0.677	ug/l #	1
73) Isopropylbenzene	12.25	105	496	Below Cal	#	73
75) 1,1,2,2-Tetrachloroethane	12.50	83	60	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	257287	28.275	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	257287	104.332	ug/l #	7
93) 1,2,4-Trichlorobenzene	14.90	180	270	3.256	ug/l #	16
94) Hexachlorobutadiene	15.01	225	400	Below Cal	#	62
95) Naphthalene	15.13	128	1481	3.037	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.32	180	274	2.471	ug/l #	40

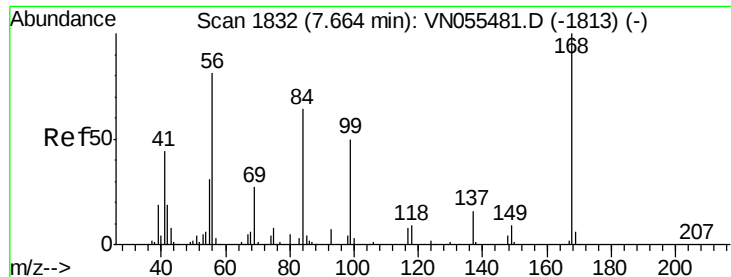
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri May 10 06:48:32 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055543.D

Acq: 10 May 2019 11:31

Instrument :

MSVOA_N

ClientSampled :

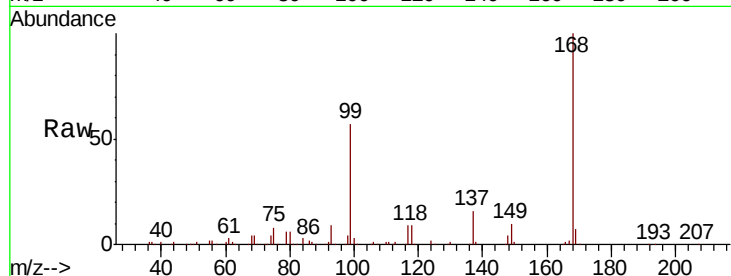
IW-15

Tot Ion:168 Resp: 887470

Ion Ratio Lower Upper

168 100

99 56.7 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): VN055543.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN055543.D (-1739) (-)

7.67

400000

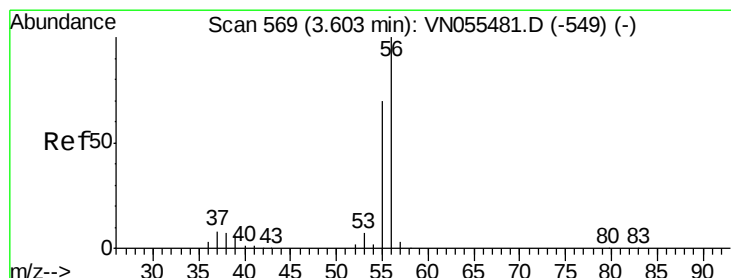
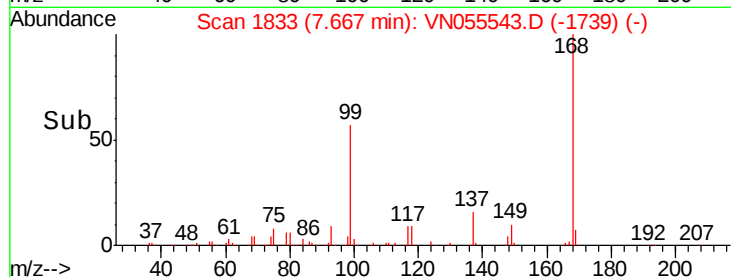
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 0.401 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.01 min

Lab File: VN055543.D

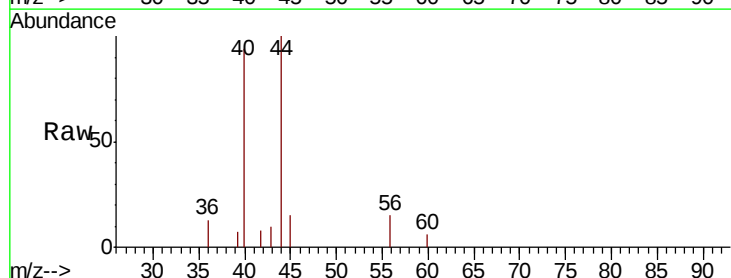
Acq: 10 May 2019 11:31

Tgt Ion: 56 Resp: 527

Ion Ratio Lower Upper

56 100

55 28.7 57.7 86.5#



Abundance Ion 56.00 (55.70 to 56.70): VN055543.D (-476) (-)

Ion 55.00 (54.70 to 55.70): VN055543.D (-476) (-)

3.60

400

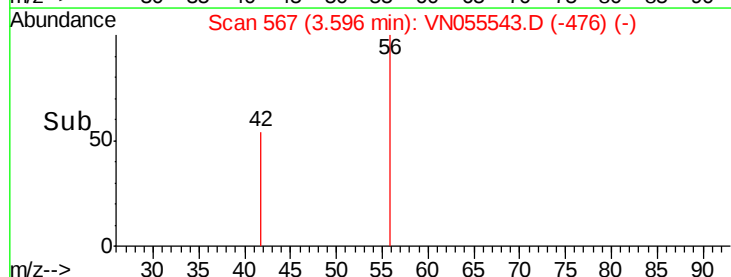
300

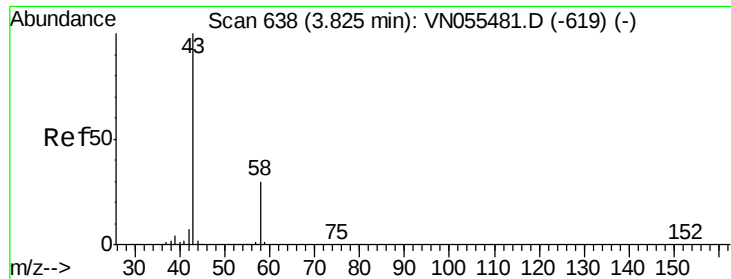
200

100

0

Time-->





#16

Acetone

Concen: 1.154 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.00 min

Lab File: VN055543.D

Acq: 10 May 2019 11:31

Instrument :

MSVOA_N

ClientSampled :

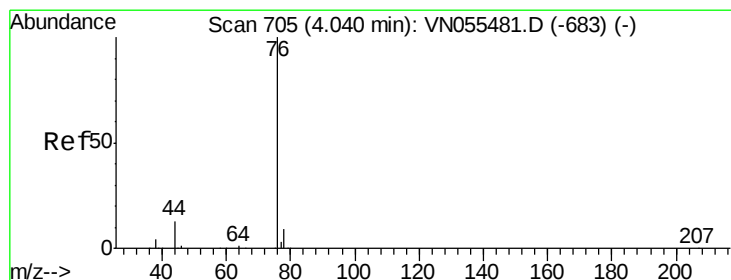
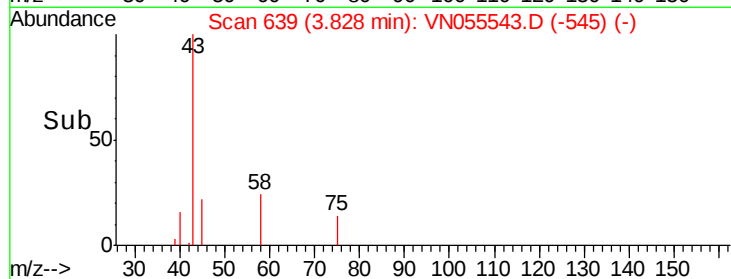
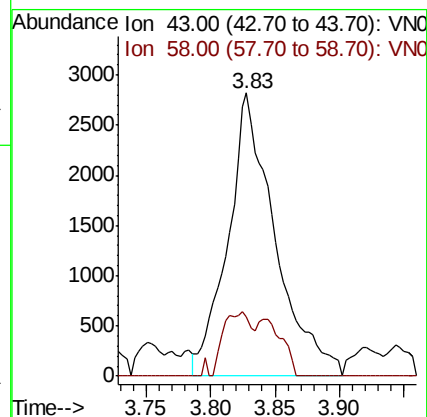
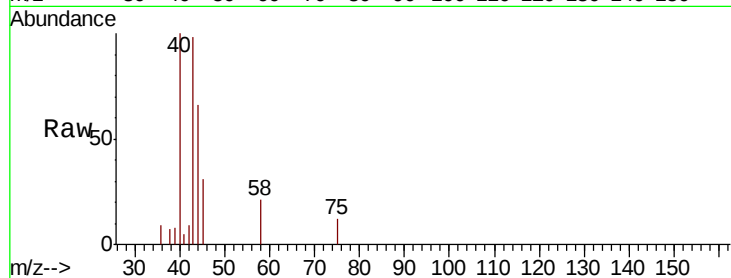
IW-15

Tot Ion: 43 Resp: 7141

Ion Ratio Lower Upper

43 100

58 21.2 24.2 36.2#



#17

Carbon Disulfide

Concen: 0.364 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.01 min

Lab File: VN055543.D

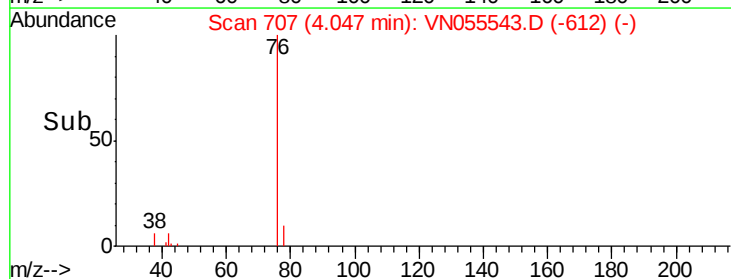
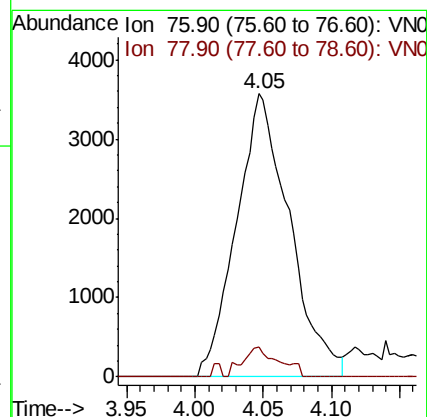
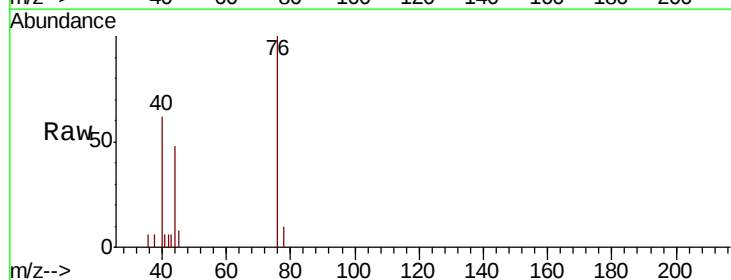
Acq: 10 May 2019 11:31

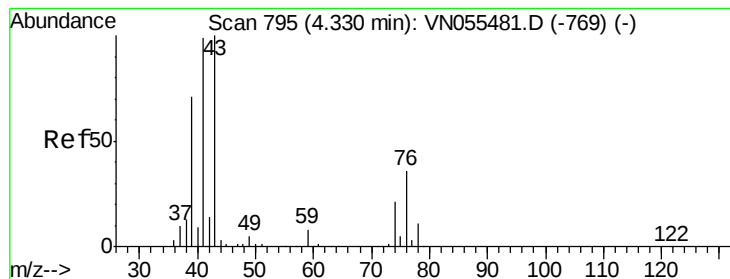
Tgt Ion: 76 Resp: 9626

Ion Ratio Lower Upper

76 100

78 10.4 7.4 11.0





#18

Methyl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN055543.D

Acq: 10 May 2019 11:31

Instrument :

MSVOA_N

ClientSampled :

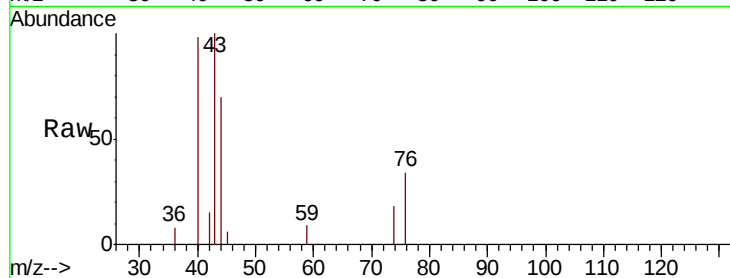
IW-15

Tot Ion: 43 Resp: 7044

Ion Ratio Lower Upper

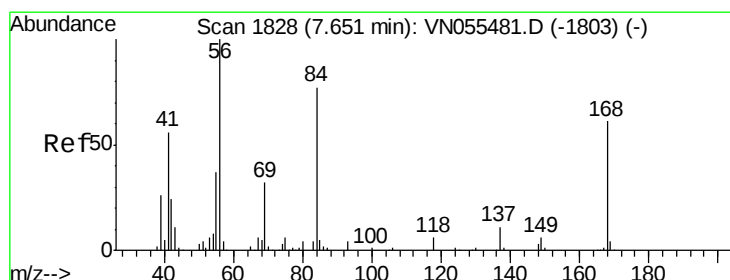
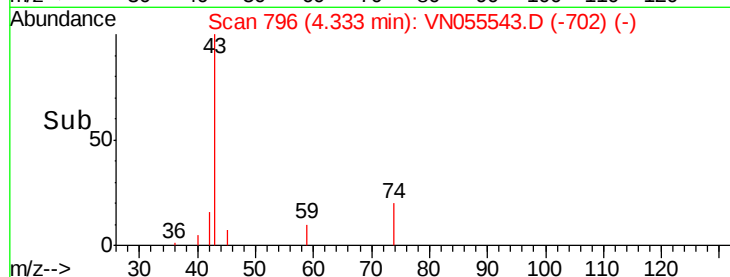
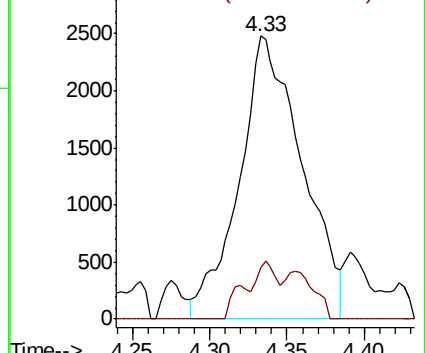
43 100

74 6.7 16.3 24.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



#31

Cyclohexane

Concen: 0.878 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN055543.D

Acq: 10 May 2019 11:31

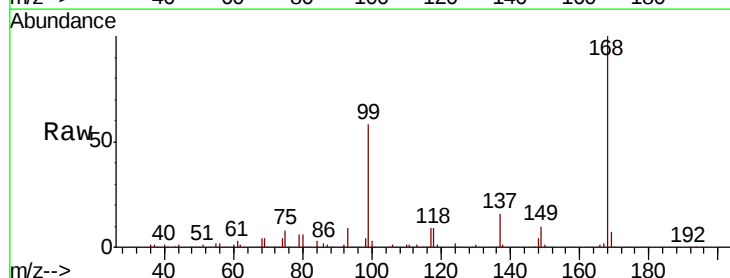
Tgt Ion: 56 Resp: 18927

Ion Ratio Lower Upper

56 100

69 200.3 26.0 39.0#

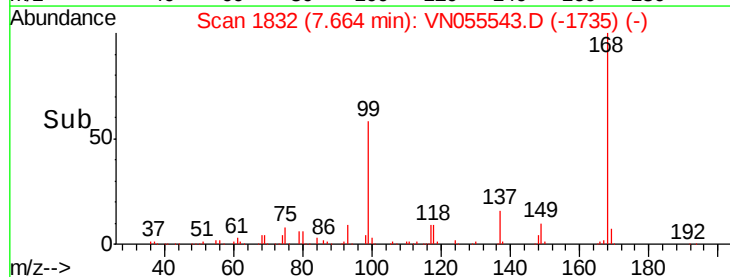
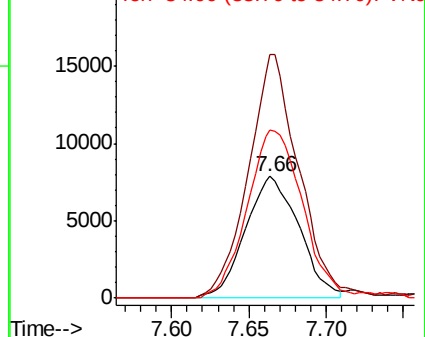
84 137.9 61.9 92.9#

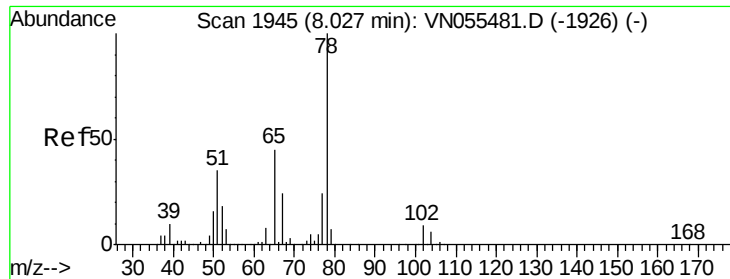


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

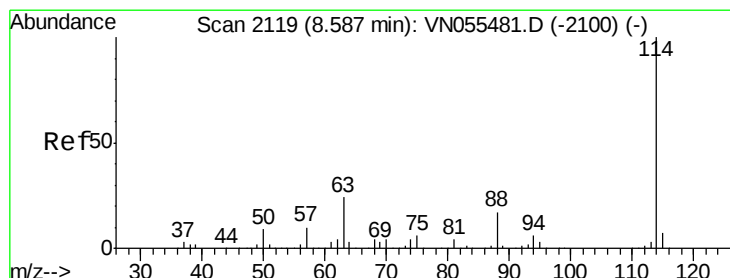
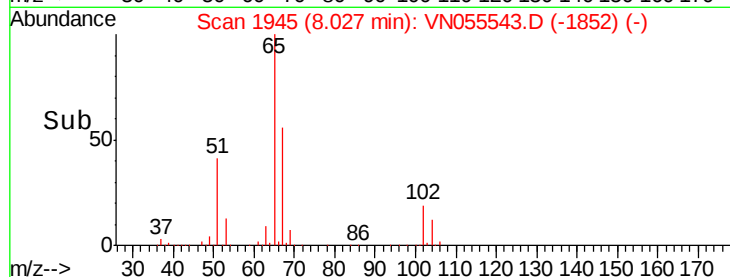
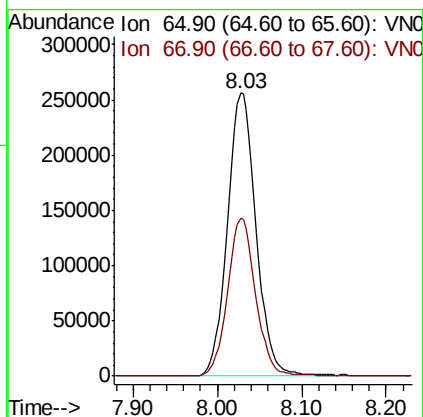
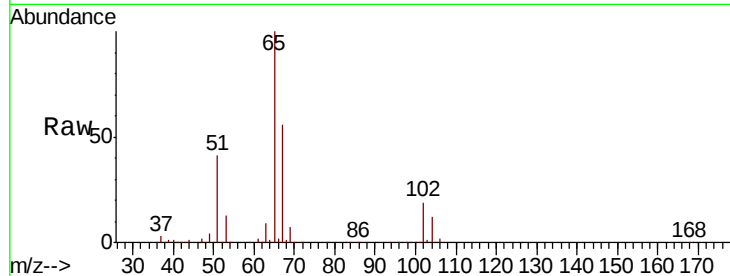




#33
 1,2-Dichloroethane-d4
 Concen: 45.193 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055543.D
 Acq: 10 May 2019 11:31

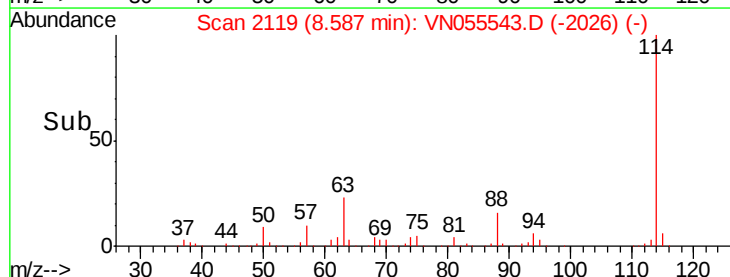
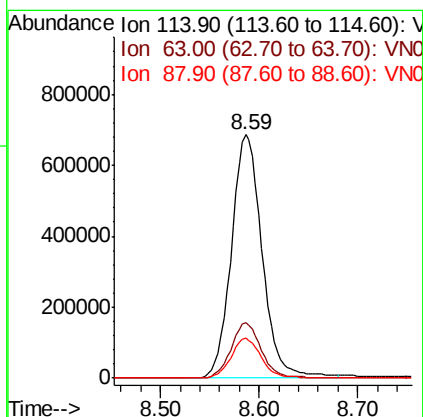
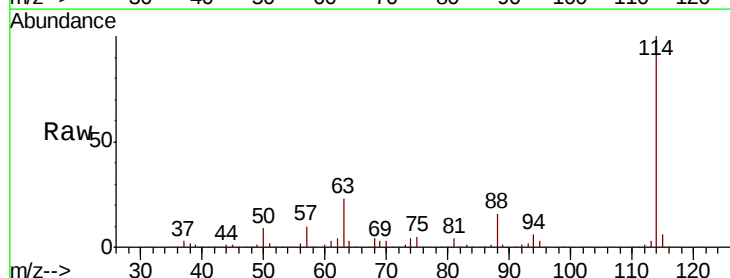
Instrument :
 MSVOA_N
 ClientSampled :
 IW-15

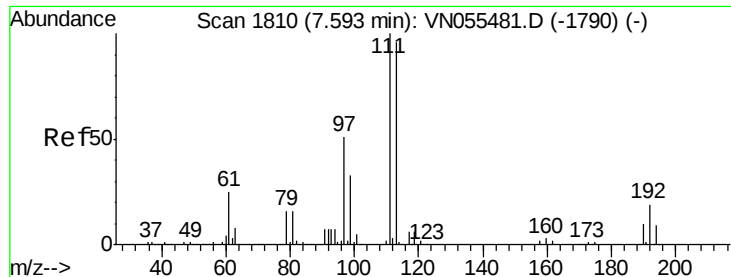
Tot Ion: 65 Resp: 603880
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055543.D
 Acq: 10 May 2019 11:31

Tgt Ion: 114 Resp: 1490463
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 47.4
 88 16.2 0.0 34.0

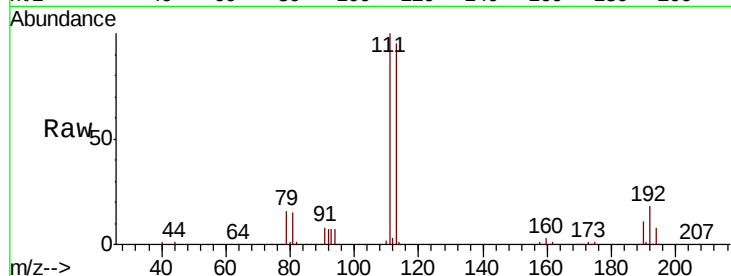




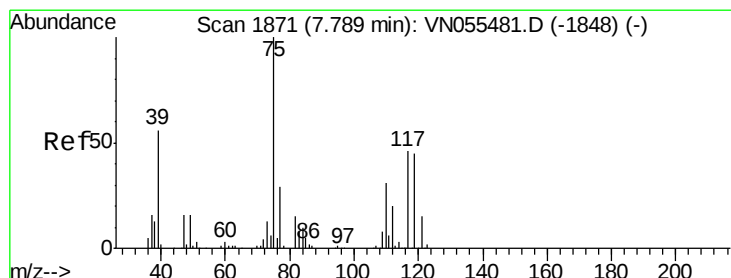
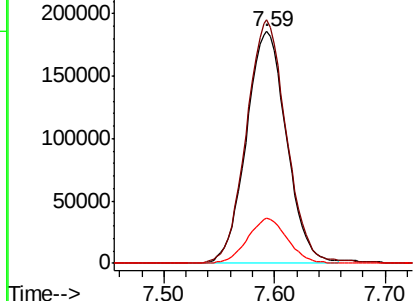
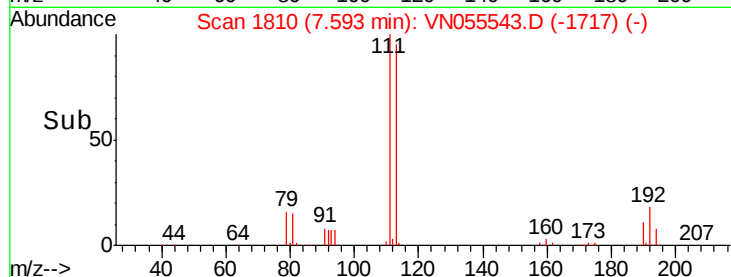
#35
 Dibromofluoromethane
 Concen: 48.855 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN055543.D
 Acq: 10 May 2019 11:31

Instrument :
 MSVOA_N
 ClientSampleId :
 IW-15

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.7	82.9	124.3
192	19.5	15.6	23.4

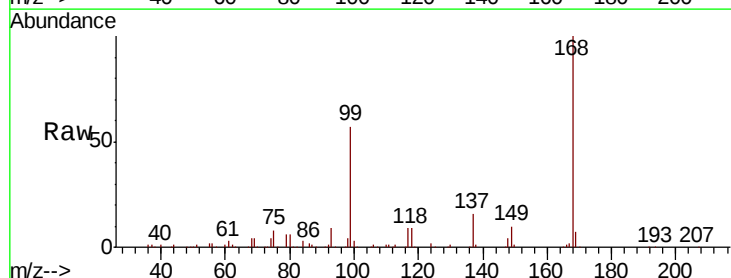


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

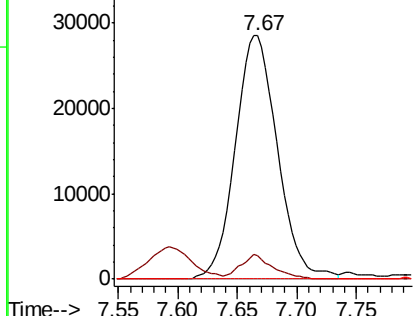
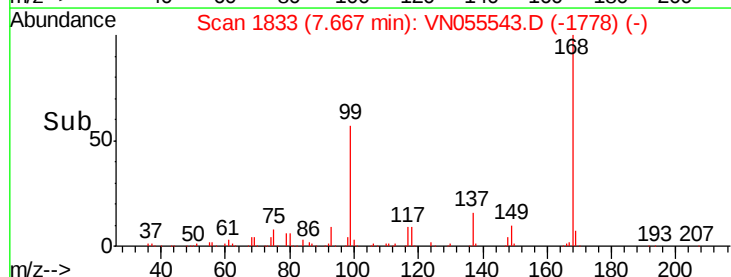


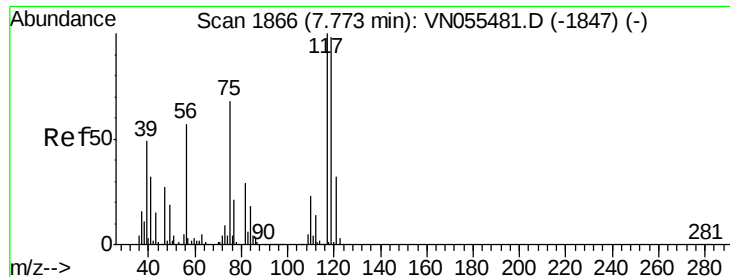
#36
 1,1-Dichloropropene
 Concen: 4.772 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN055543.D
 Acq: 10 May 2019 11:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.6	16.1	48.3#
77	0.0	24.6	37.0#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.828 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN055543.D

Acq: 10 May 2019 11:31

Instrument :

MSVOA_N

ClientSampled :

IW-15

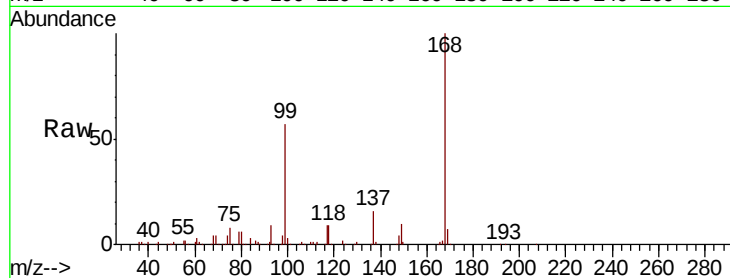
Tot Ion:117 Resp: 84421

Ion Ratio Lower Upper

117 100

119 5.3 77.8 116.6#

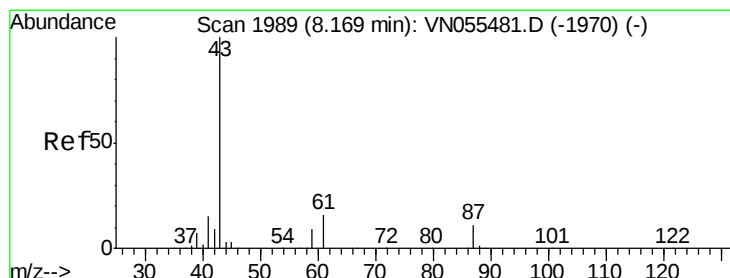
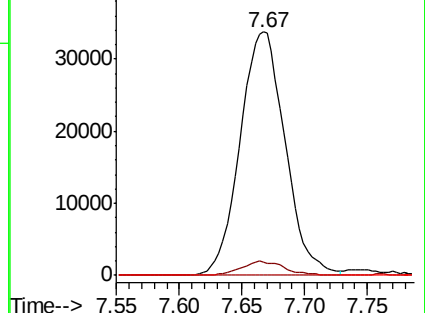
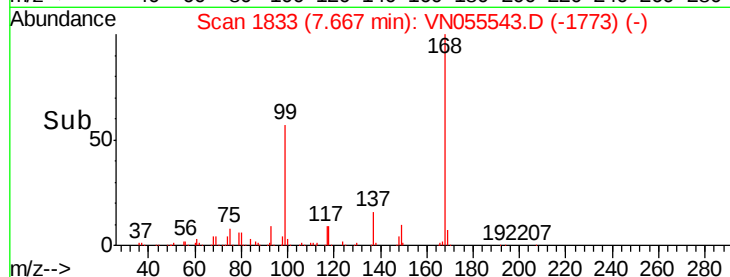
121 0.0 25.2 37.8#



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



#43

Isopropyl Acetate

Concen: 0.313 ug/l

RT: 8.27 min Scan# 2020

Delta R.T. 0.10 min

Lab File: VN055543.D

Acq: 10 May 2019 11:31

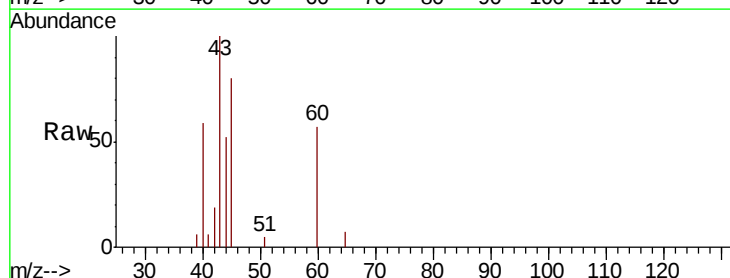
Tgt Ion: 43 Resp: 7609

Ion Ratio Lower Upper

43 100

61 0.0 15.1 22.7#

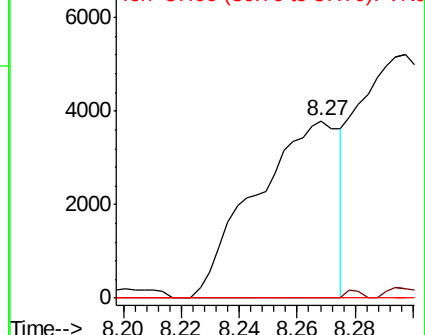
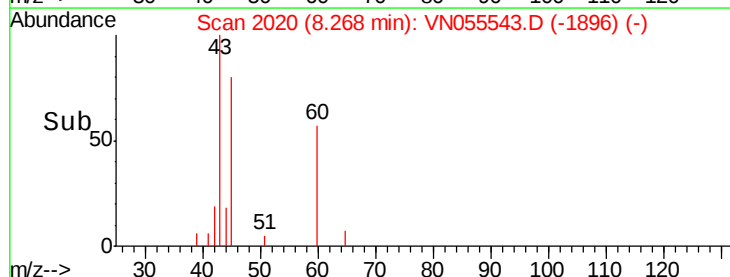
87 0.0 9.0 13.6#

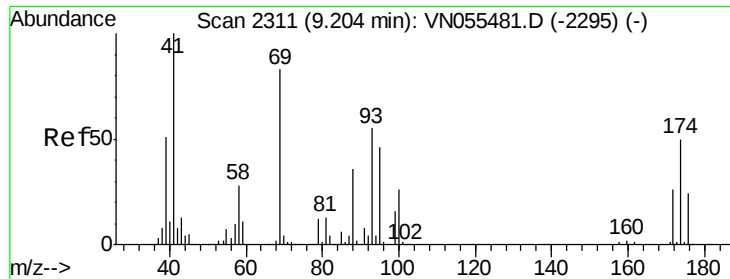


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

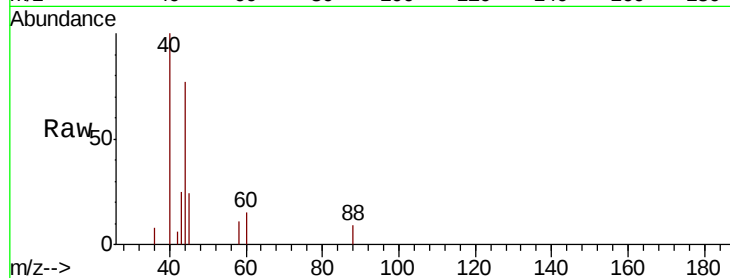




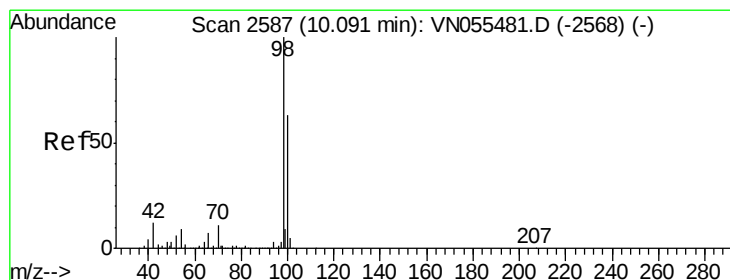
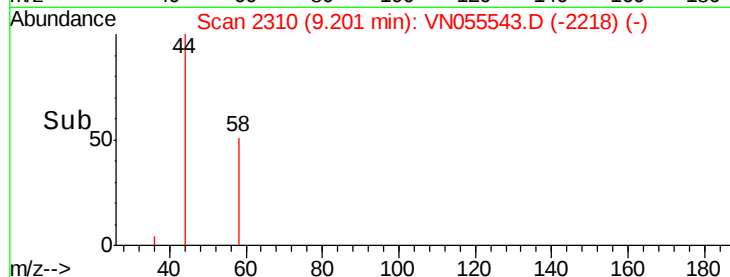
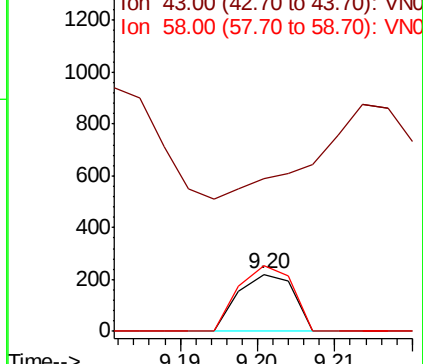
#49
 1,4-Dioxane
 Concen: 0.481 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN055543.D
 Acq: 10 May 2019 11:31

Instrument :
 MSVOA_N
 ClientSampled :
 IW-15

Tot Ion: 88 Resp: 110
 Ion Ratio Lower Upper
 88 100
 43 302.7 27.8 41.8#
 58 112.7 61.8 92.6#

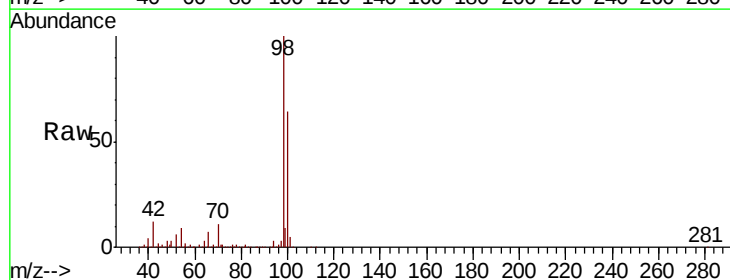


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

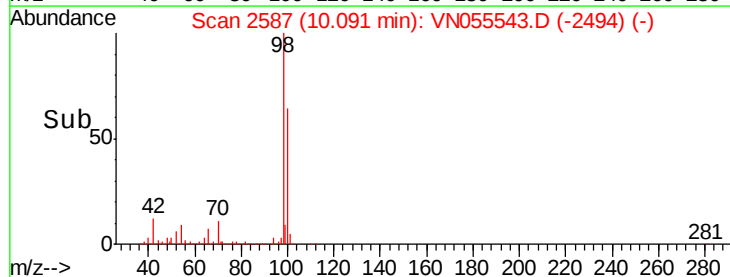
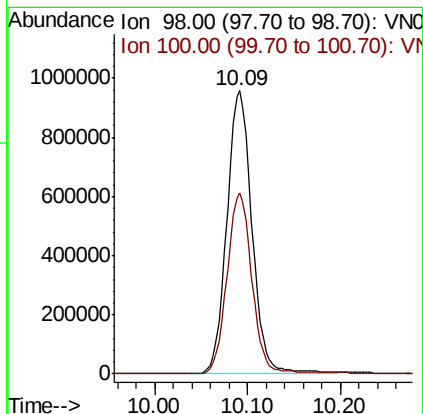


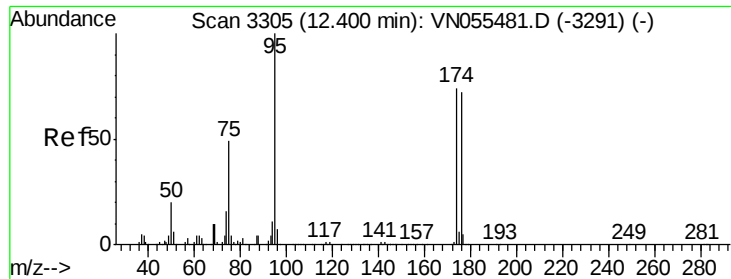
#50
 Toluene-d8
 Concen: 48.183 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN055543.D
 Acq: 10 May 2019 11:31

Tgt Ion: 98 Resp: 1805306
 Ion Ratio Lower Upper
 98 100
 100 63.8 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

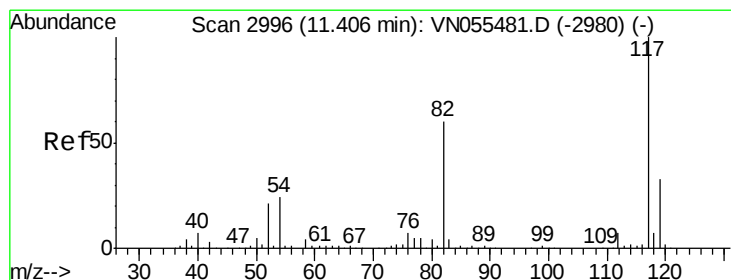
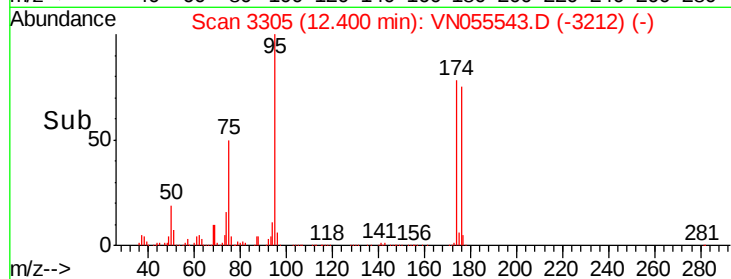
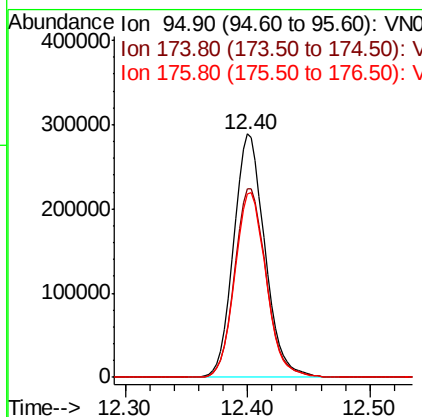
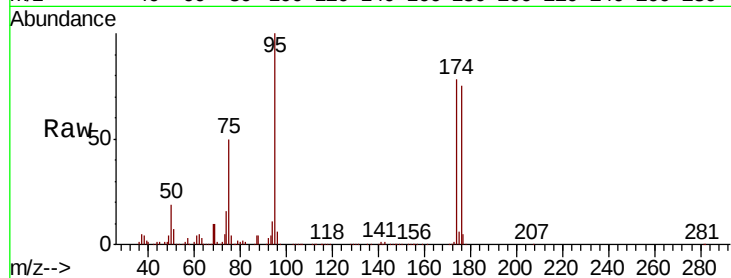




#62
4-Bromofluorobenzene
Concen: 40.576 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN055543.D
Acq: 10 May 2019 11:31

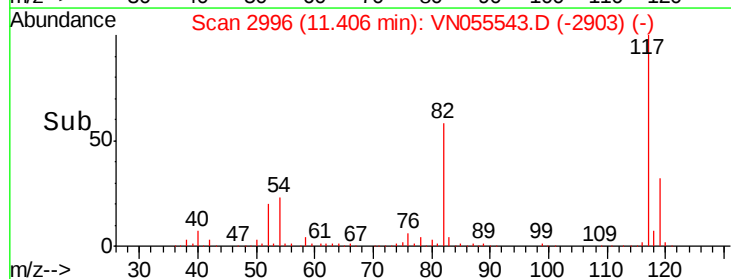
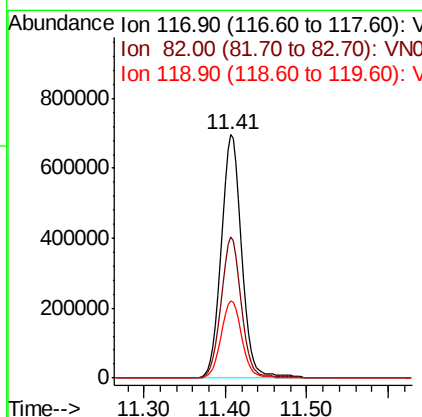
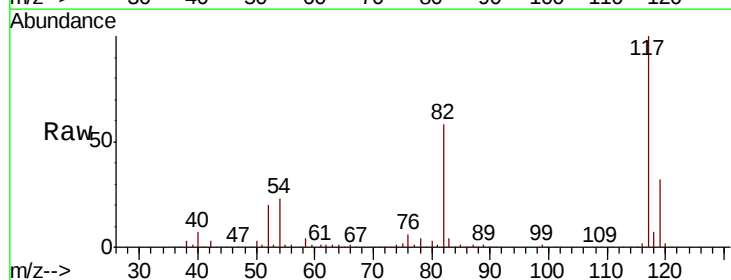
Instrument :
MSVOA_N
ClientSampled :
IW-15

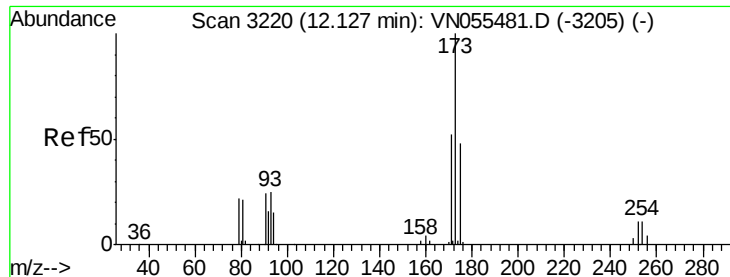
Tot Ion: 95 Resp: 512611
Ion Ratio Lower Upper
95 100
174 78.5 0.0 152.2
176 76.1 0.0 147.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055543.D
Acq: 10 May 2019 11:31

Tgt Ion: 117 Resp: 1239304
Ion Ratio Lower Upper
117 100
82 58.1 48.0 72.0
119 31.8 26.0 39.0





#71

Bromoform

Concen: 0.677 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN055543.D

Acq: 10 May 2019 11:31

Instrument :

MSVOA_N

ClientSampleId :

IW-15

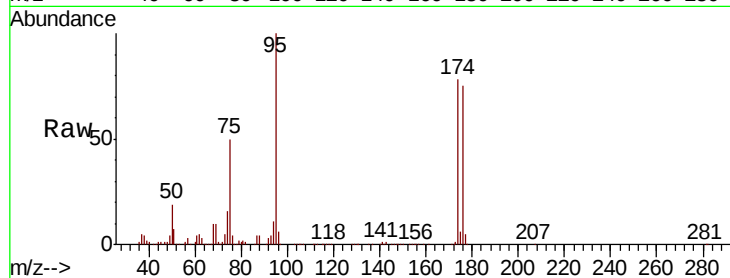
Tot Ion:173 Resp: 4010

Ion Ratio Lower Upper

173 100

175 630.7 24.1 72.4#

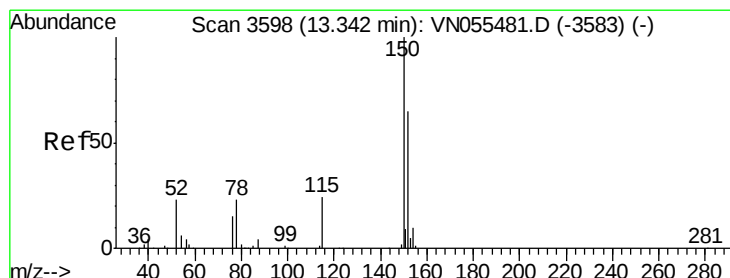
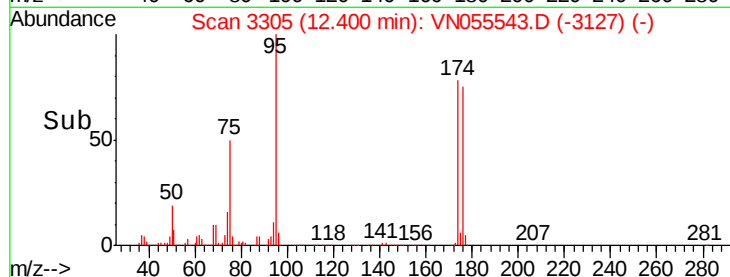
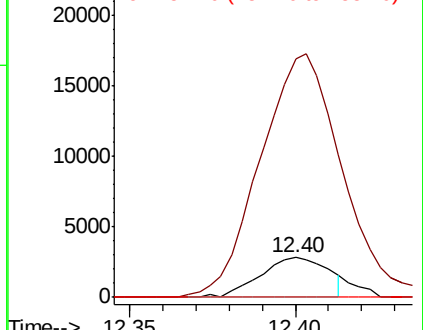
254 0.0 0.1 0.1#



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: VN055543.D

Acq: 10 May 2019 11:31

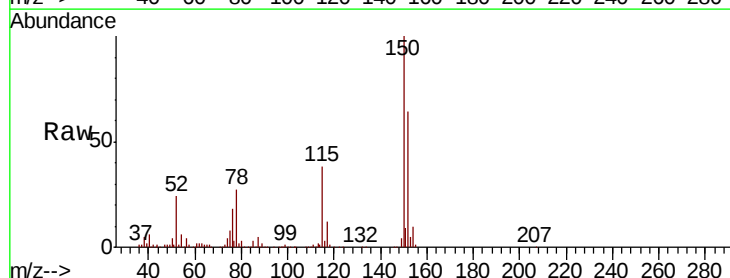
Tgt Ion:152 Resp: 334246

Ion Ratio Lower Upper

152 100

115 59.4 30.1 90.5

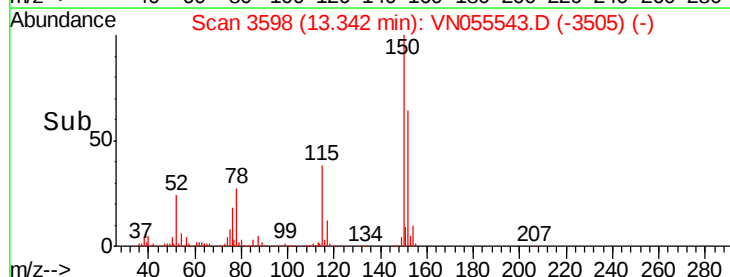
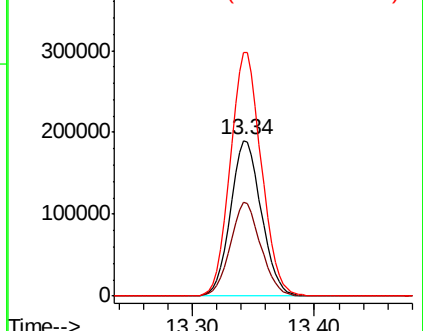
150 157.5 0.0 355.0

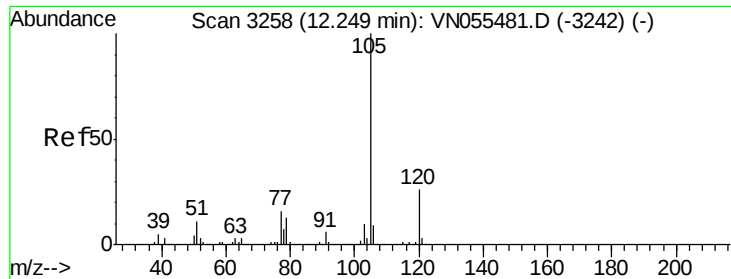


Abundance Ion 151.90 (151.60 to 152.60): V

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# 3257

Delta R.T. -0.00 min

Lab File: VN055543.D

Acq: 10 May 2019 11:31

Instrument :

MSVOA_N

ClientSampled :

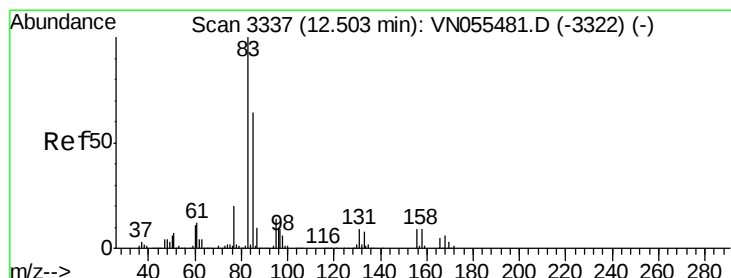
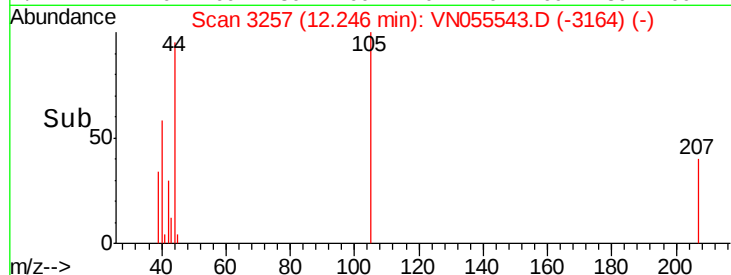
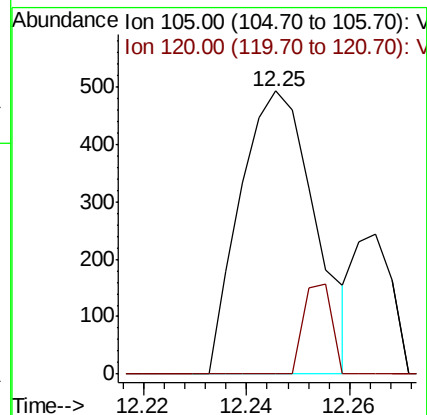
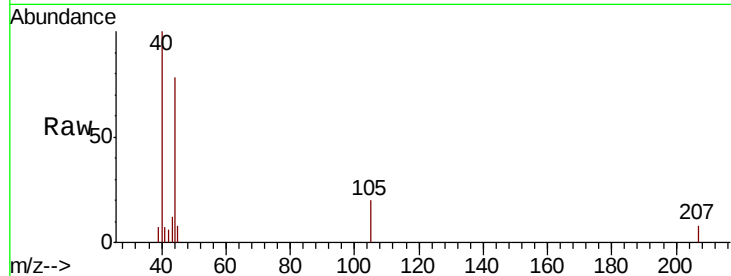
IW-15

Tot Ion: 105.00 Resp: 496

Ion Ratio Lower Upper

105 100

120 12.1 13.0 39.0#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055543.D

Acq: 10 May 2019 11:31

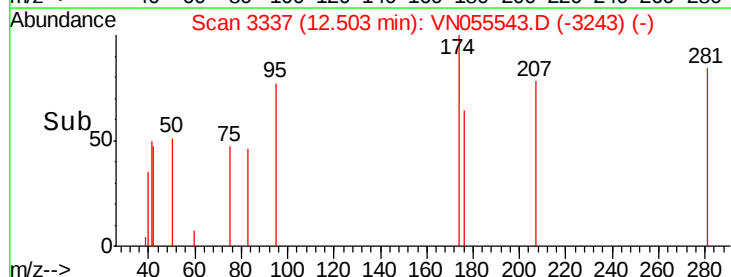
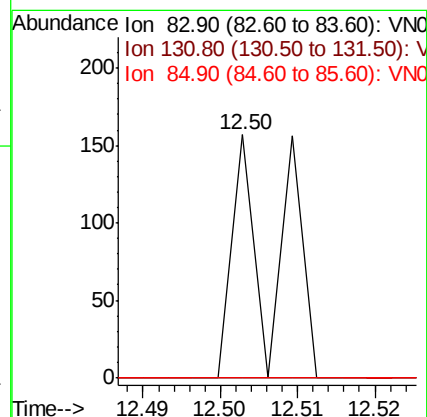
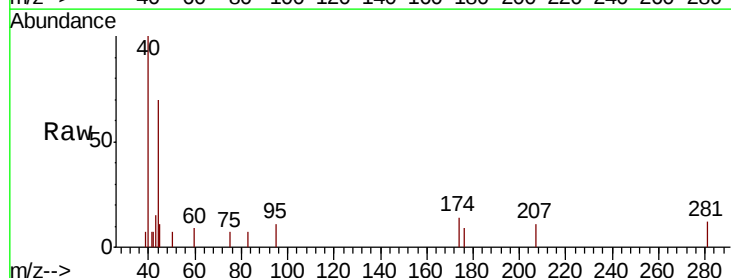
Tgt Ion: 83 Resp: 60

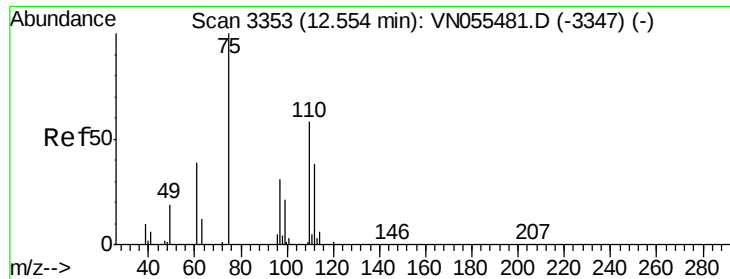
Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.5#

85 0.0 32.0 96.0#





#76

1,2,3-Trichloropropane

Concen: 28.275 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055543.D

Acq: 10 May 2019 11:31

Instrument :

MSVOA_N

ClientSampleId :

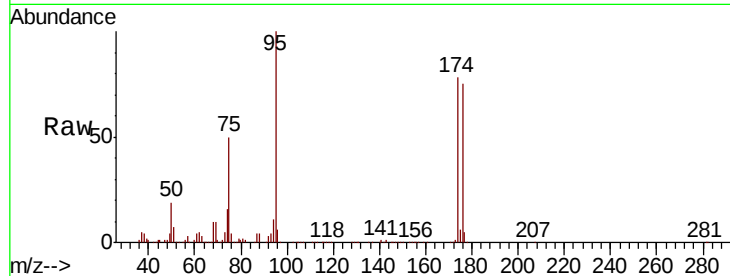
IW-15

Tot Ion: 75 Resp: 257287

Ion Ratio Lower Upper

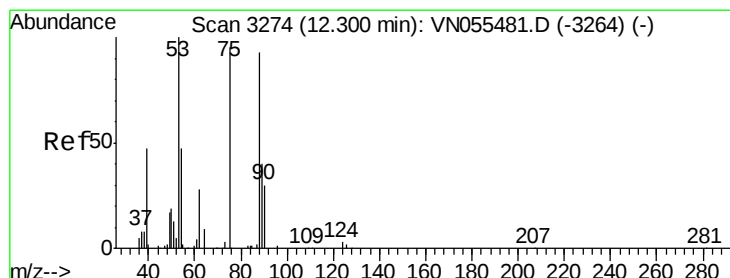
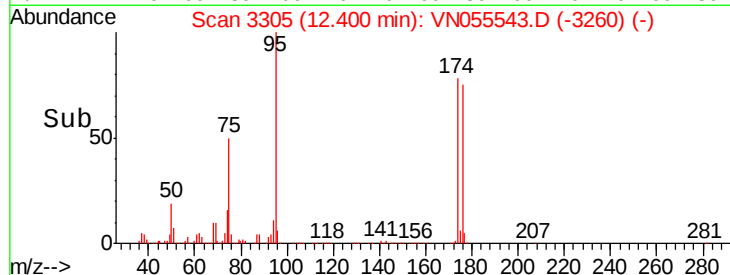
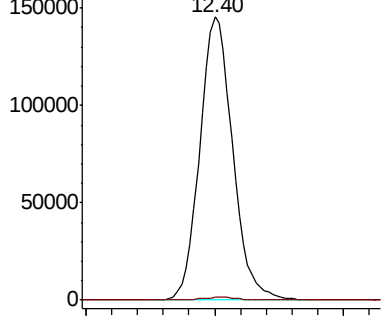
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 104.332 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055543.D

Acq: 10 May 2019 11:31

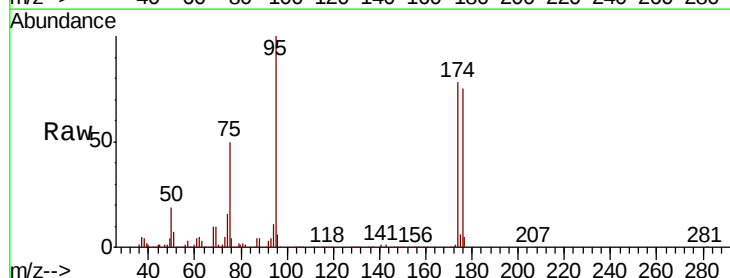
Tgt Ion: 75 Resp: 257287

Ion Ratio Lower Upper

75 100

53 0.0 86.5 129.7#

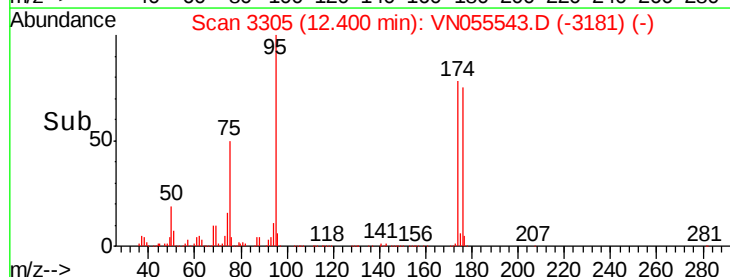
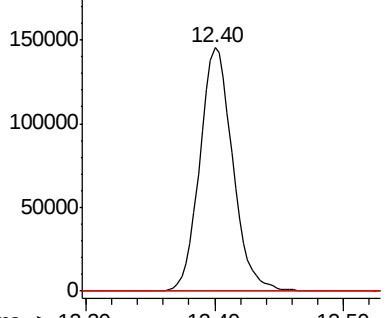
89 0.0 35.7 53.5#

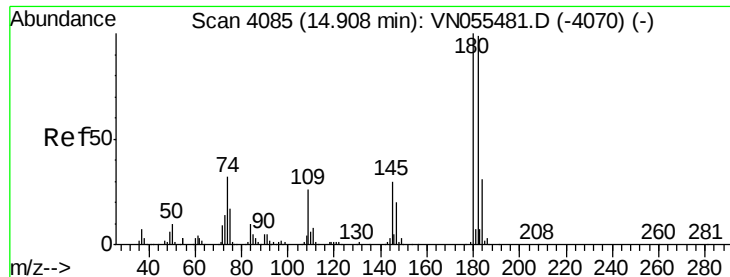


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

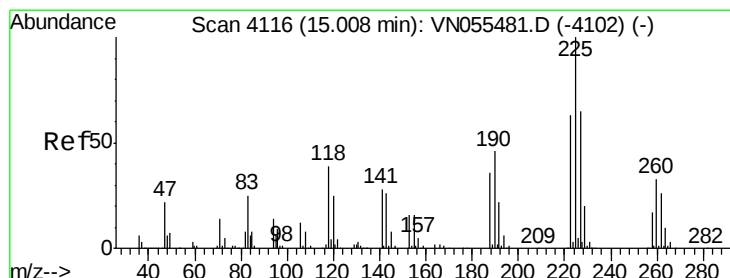
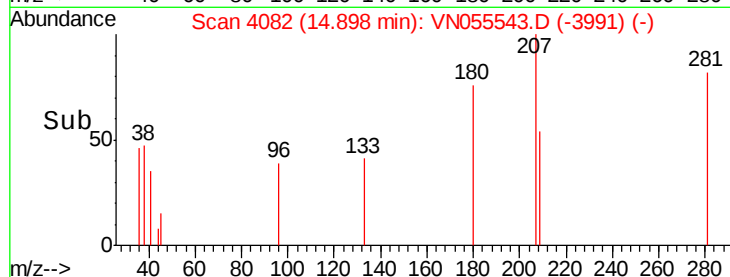
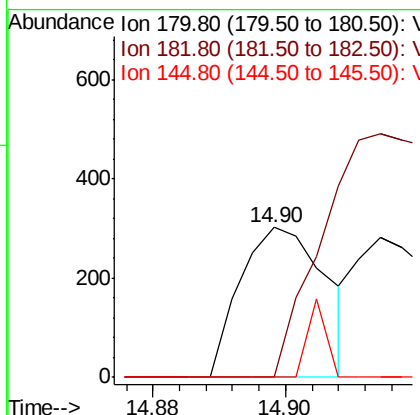
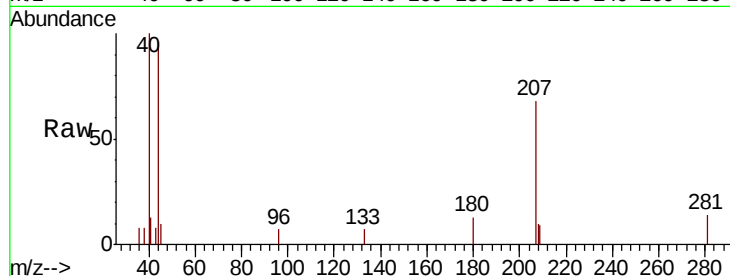




#93
 1,2,4-Trichlorobenzene
 Concen: 3.256 ug/l
 RT: 14.90 min Scan# 4082
 Delta R.T. -0.01 min
 Lab File: VN055543.D
 Acq: 10 May 2019 11:31

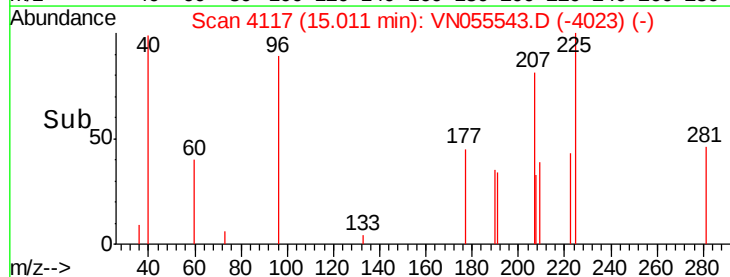
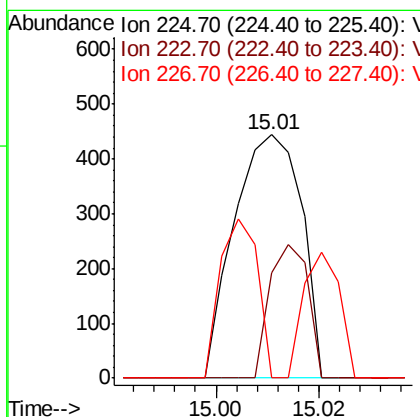
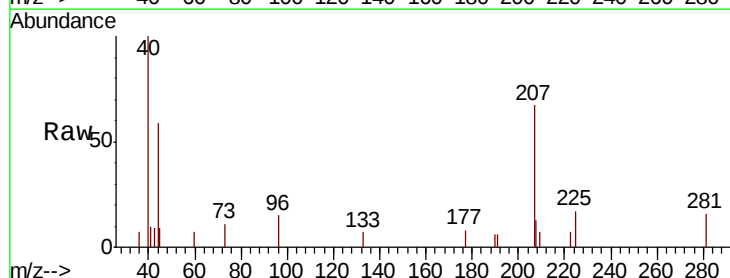
Instrument :
 MSVOA_N
 ClientSampleId :
 IW-15

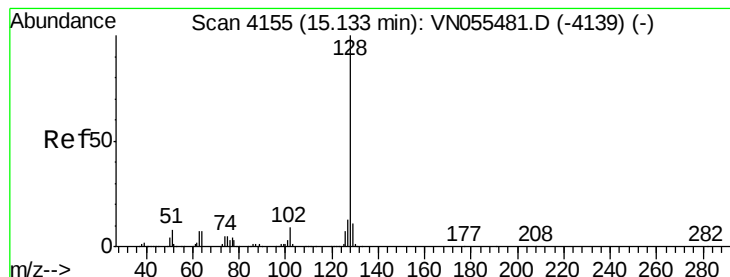
Tot Ion:180 Resp: 270
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.7 146.1#
 145 11.1 15.3 45.9#



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN055543.D
 Acq: 10 May 2019 11:31

Tgt Ion:225 Resp: 400
 Ion Ratio Lower Upper
 225 100
 223 31.3 31.4 94.3#
 227 36.5 32.0 96.0





#95

Naphthalene

Concen: 3.037 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN055543.D

Acq: 10 May 2019 11:31

Instrument :

MSVOA_N

ClientSampleId :

IW-15

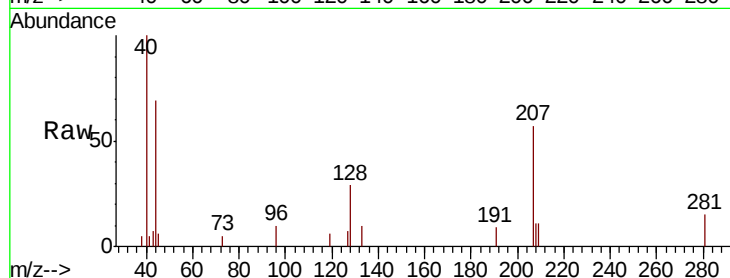
Tot Ion:128 Resp: 1481

Ion Ratio Lower Upper

128 100

127 9.5 10.0 15.0#

129 4.5 8.8 13.2#

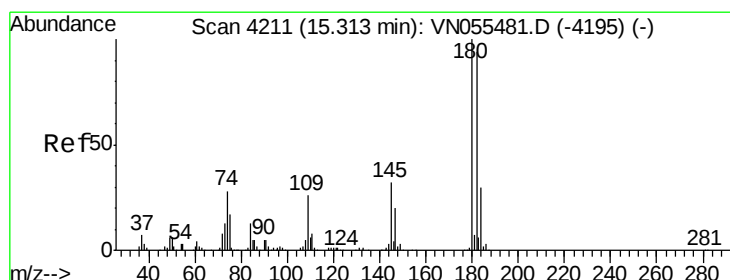
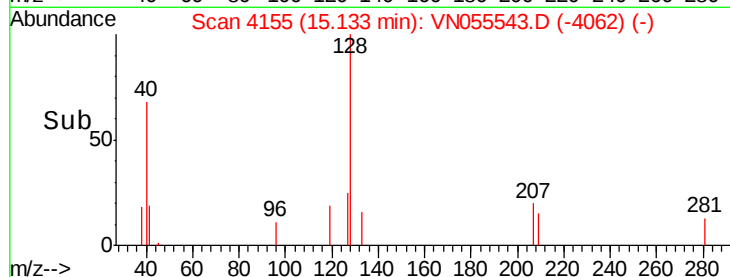
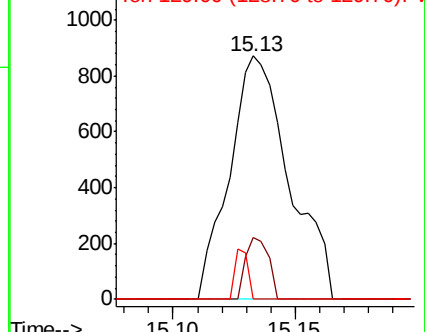


Abundance

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: 2.471 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN055543.D

Acq: 10 May 2019 11:31

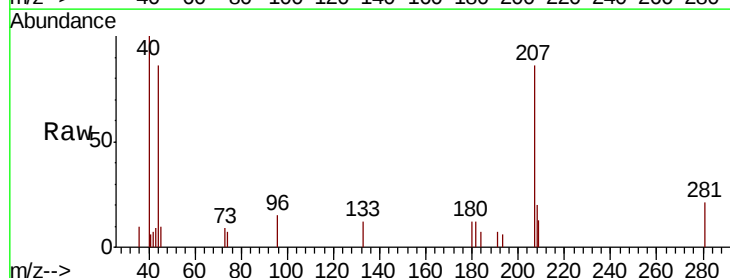
Tgt Ion:180 Resp: 274

Ion Ratio Lower Upper

180 100

182 159.5 47.1 141.3#

145 10.6 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

