

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051019\
 Data File : VN055542.D
 Acq On : 10 May 2019 11:06
 Operator : JC/SP
 Sample : K2758-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IW-14

Quant Time: May 11 00:54:41 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

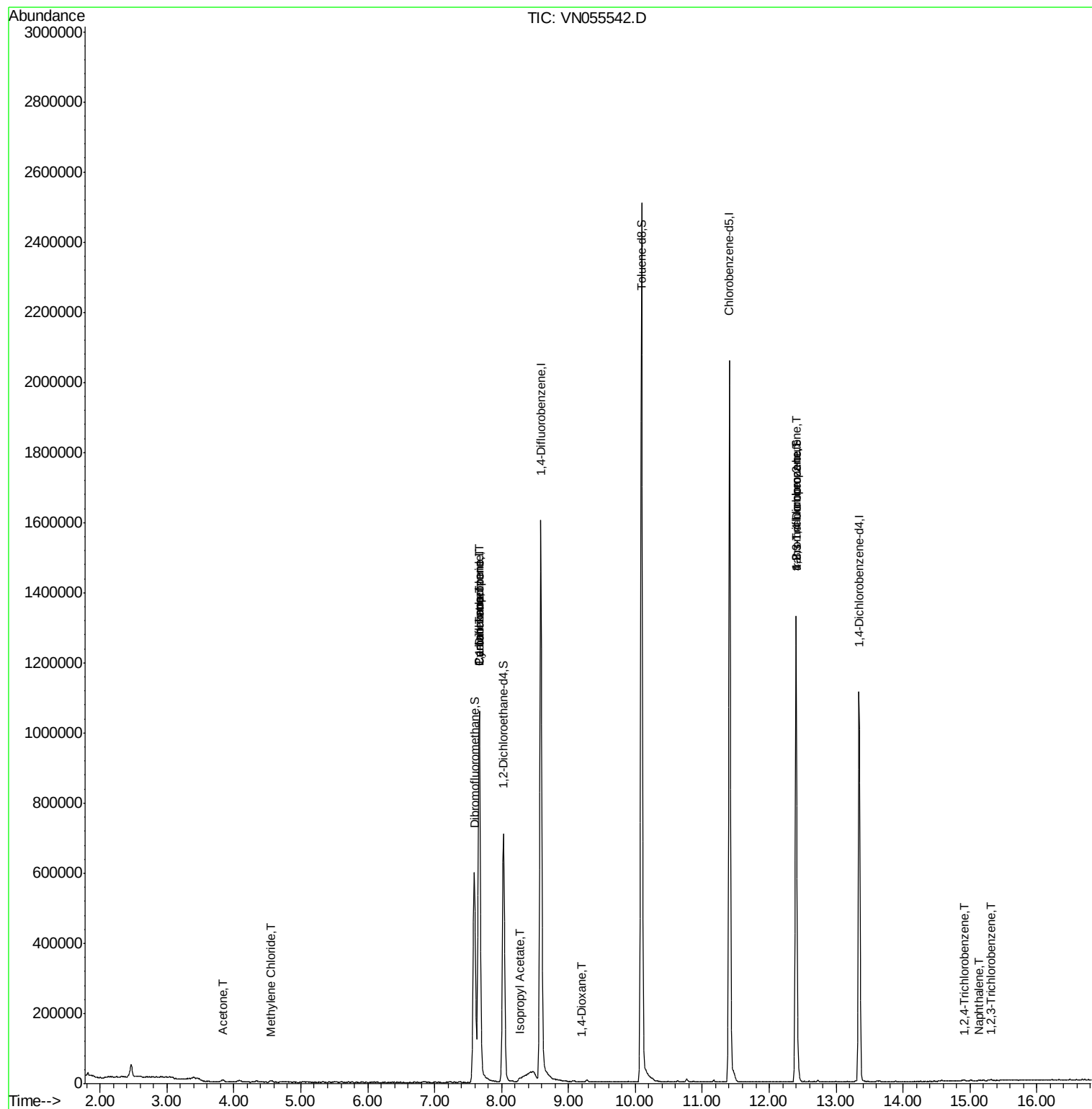
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	894088	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1481812	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1218797	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	310974	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	597588	44.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.78%	
35) Dibromofluoromethane	7.59	113	464926	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	
50) Toluene-d8	10.09	98	1792760	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
62) 4-Bromofluorobenzene	12.40	95	501614	39.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.88%	
Target Compounds						
					Qvalue	
16) Acetone	3.83	43	8767	1.406	ug/l	93
18) Methyl Acetate	4.35	43	8298	Below Cal		96
20) Methylene Chloride	4.55	84	2643	0.207	ug/l #	76
31) Cyclohexane	7.67	56	19218	0.885	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	72626	4.975	ug/l #	50
38) Carbon Tetrachloride	7.67	117	83292	6.776	ug/l #	16
43) Isopropyl Acetate	8.26	43	4992	0.206	ug/l #	63
49) 1,4-Dioxane	9.21	88	64	0.282	ug/l #	1
73) Isopropylbenzene	12.26	105	974	Below Cal		75
75) 1,1,2,2-Tetrachloroethane	12.51	83	30	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	248618	29.367	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	248618	108.362	ug/l #	7
93) 1,2,4-Trichlorobenzene	14.91	180	1110	3.431	ug/l	71
94) Hexachlorobutadiene	15.01	225	459	Below Cal	#	55
95) Naphthalene	15.13	128	2821	3.142	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.32	180	1064	2.626	ug/l #	88

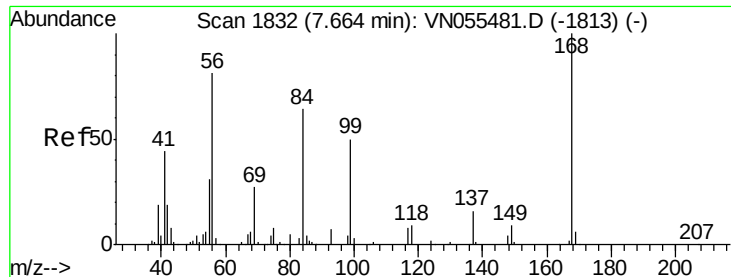
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055542.D

Acq: 10 May 2019 11:06

Instrument :

MSVOA_N

ClientSampled :

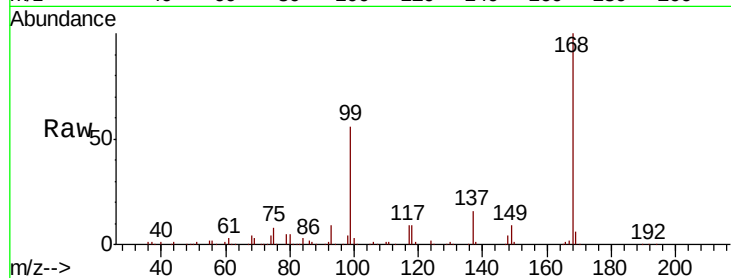
IW-14

Tot Ion:168 Resp: 894088

Ion Ratio Lower Upper

168 100

99 56.2 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): VN055542.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN055542.D (-1739) (-)

7.67

400000

300000

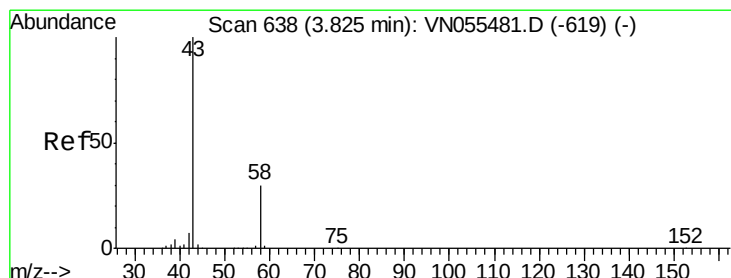
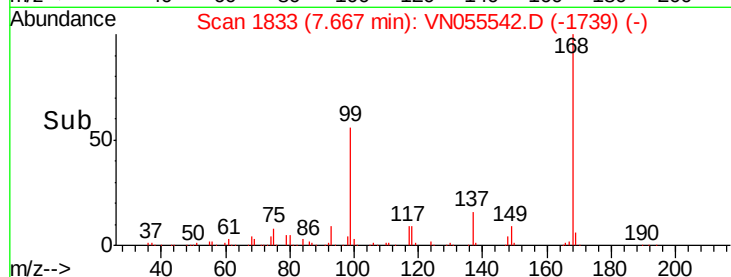
200000

100000

0

7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 1.406 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.00 min

Lab File: VN055542.D

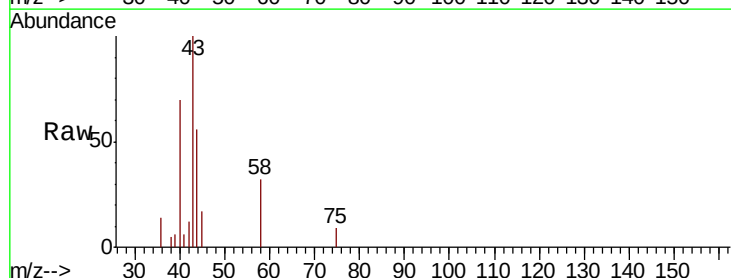
Acq: 10 May 2019 11:06

Tgt Ion: 43 Resp: 8767

Ion Ratio Lower Upper

43 100

58 34.0 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VN055542.D (-545) (-)

Ion 58.00 (57.70 to 58.70): VN055542.D (-545) (-)

3.83

4000

3000

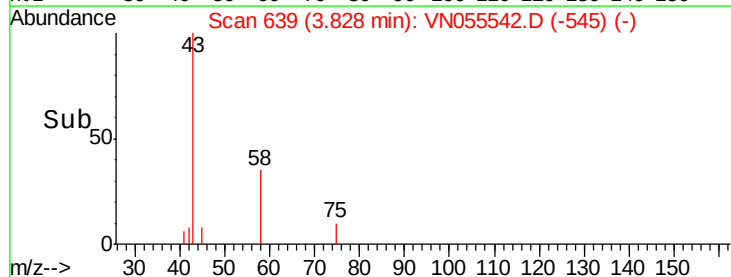
2000

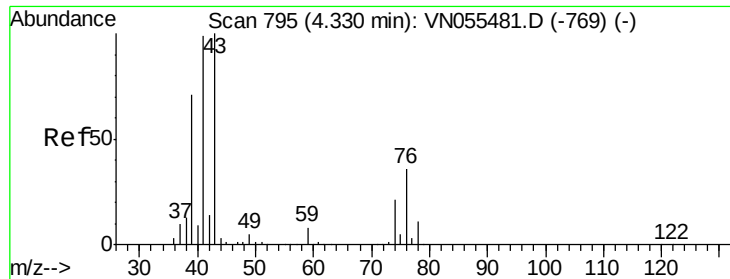
1000

0

3.75 3.80 3.85 3.90

Time-->

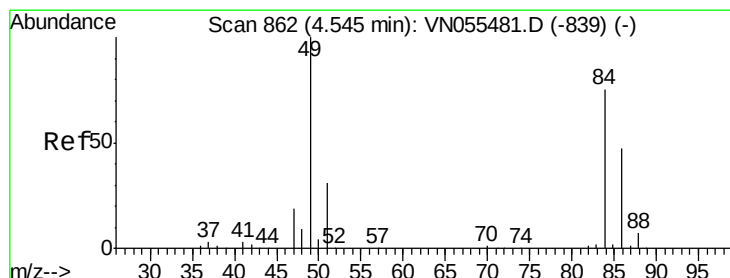
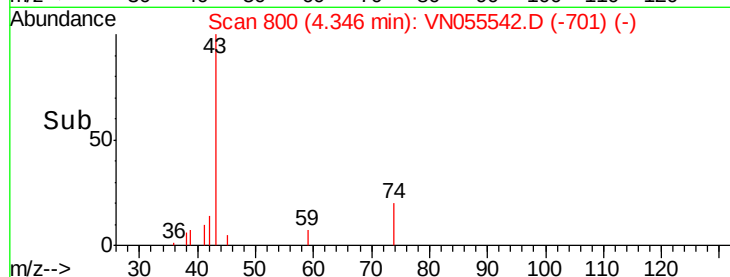
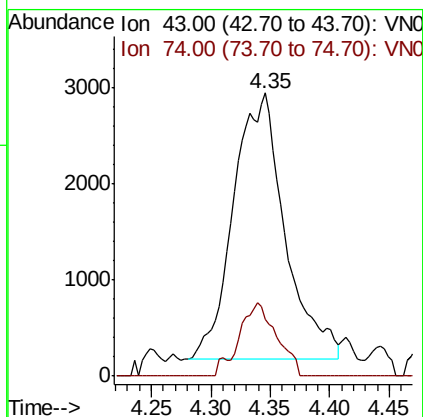
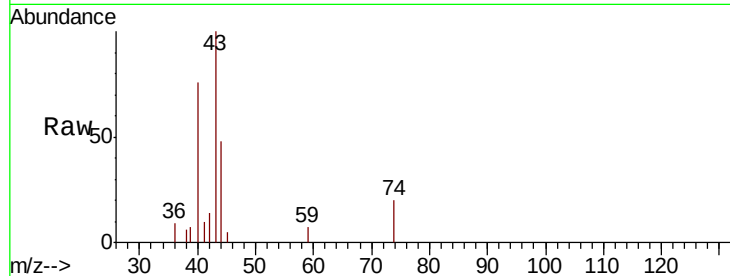




#18
Methvl Acetate
Concen: Below Cal
RT: 4.35 min Scan# 800
Delta R.T. 0.02 min
Lab File: VN055542.D
Acq: 10 May 2019 11:06

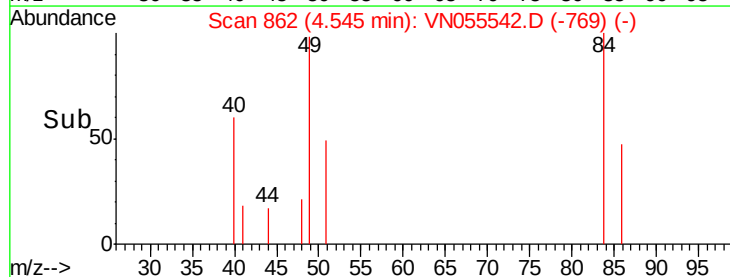
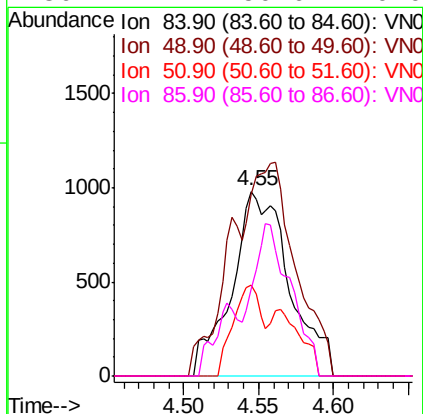
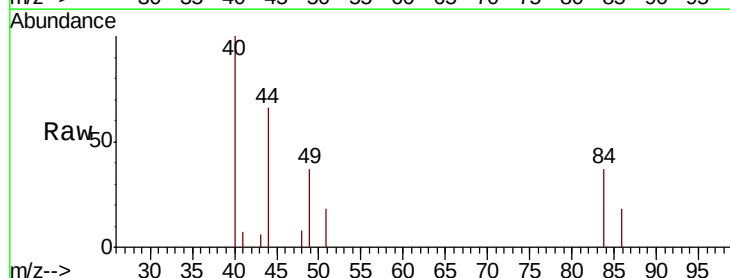
Instrument :
MSVOA_N
ClientSampleId :
IW-14

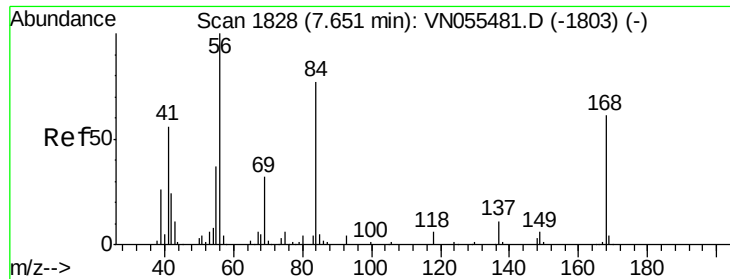
Tot Ion: 43 Resp: 8298
Ion Ratio Lower Upper
43 100
74 18.5 16.3 24.5



#20
Methylene Chloride
Concen: 0.207 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055542.D
Acq: 10 May 2019 11:06

Tgt Ion: 84 Resp: 2643
Ion Ratio Lower Upper
84 100
49 98.5 107.0 160.6#
51 49.0 33.0 49.4
86 47.1 50.6 76.0#

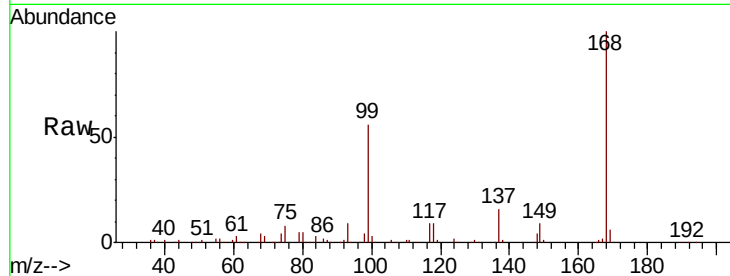




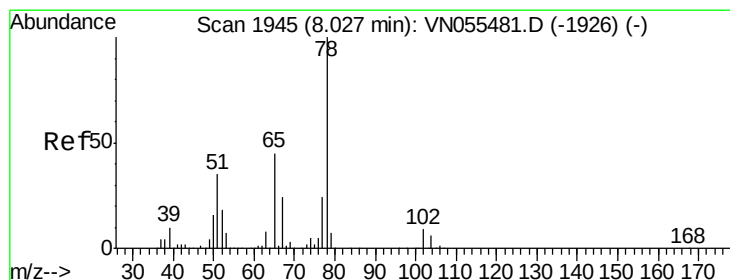
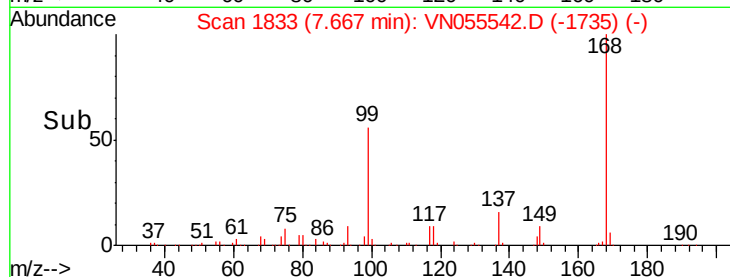
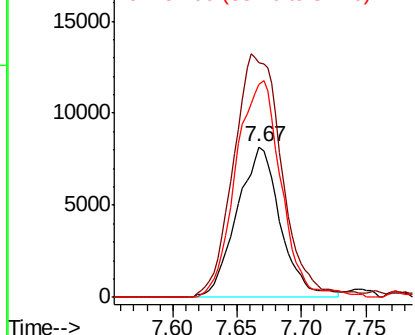
#31
Cyclohexane
Concen: 0.885 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.02 min
Lab File: VN055542.D
Acq: 10 May 2019 11:06

Instrument :
MSVOA_N
ClientSampleId :
IW-14

Tot Ion: 56 Resp: 19218
Ion Ratio Lower Upper
56 100
69 156.4 26.0 39.0#
84 141.7 61.9 92.9#

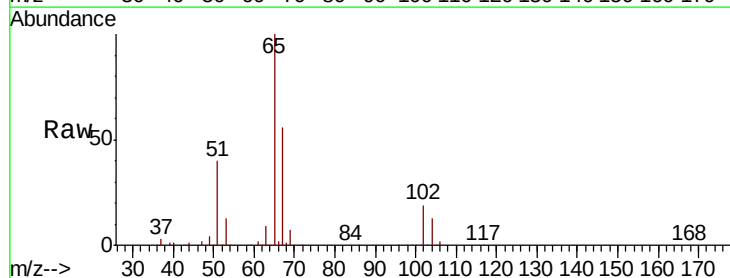


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

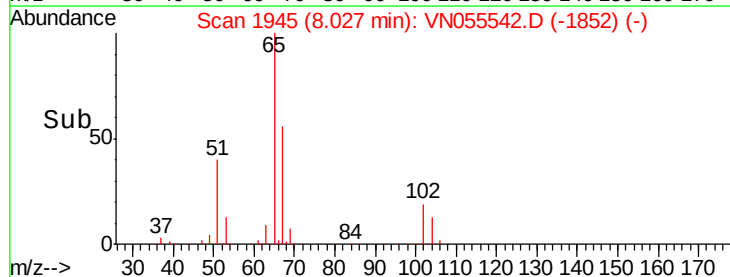
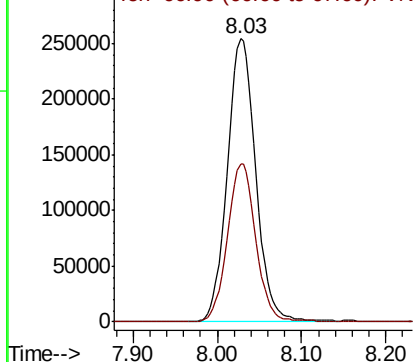


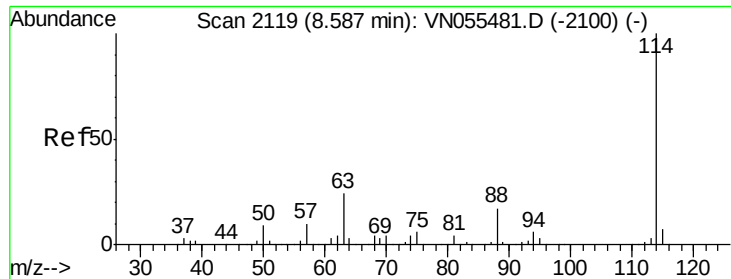
#33
1,2-Dichloroethane-d4
Concen: 44.391 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN055542.D
Acq: 10 May 2019 11:06

Tgt Ion: 65 Resp: 597588
Ion Ratio Lower Upper
65 100
67 55.6 0.0 109.6



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

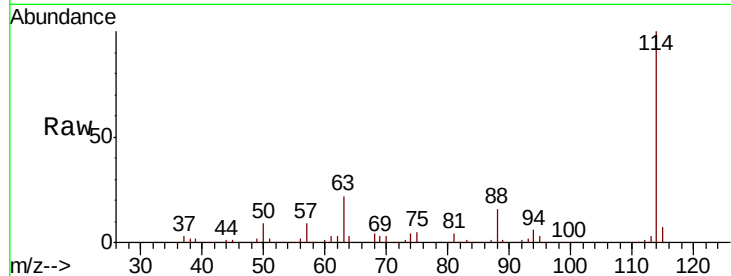




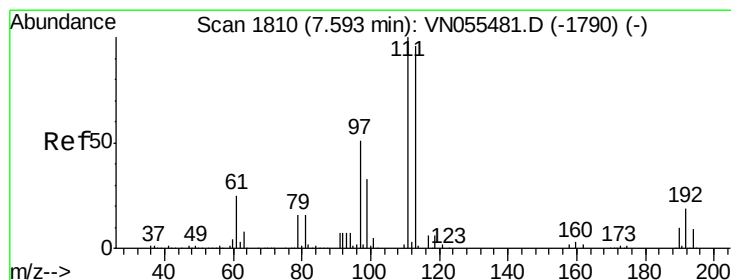
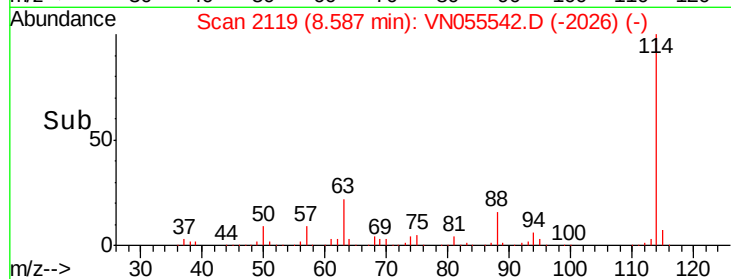
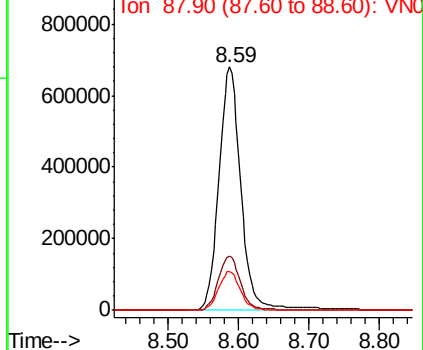
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055542.D
 Acq: 10 May 2019 11:06

Instrument :
 MSVOA_N
 ClientSampled :
 IW-14

Tot Ion:114 Resp: 1481812
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 47.4
 88 16.1 0.0 34.0

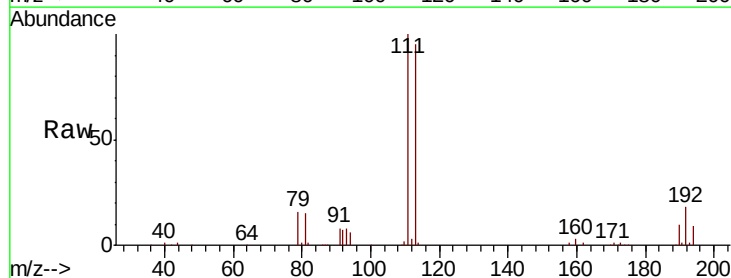


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

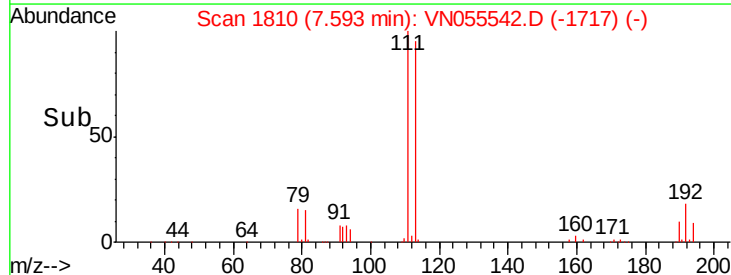
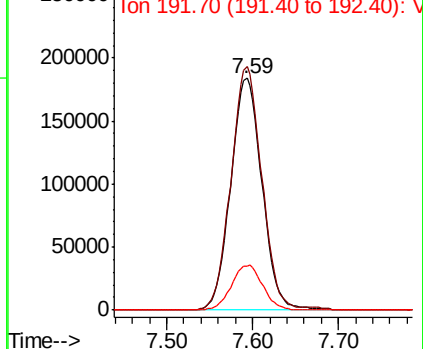


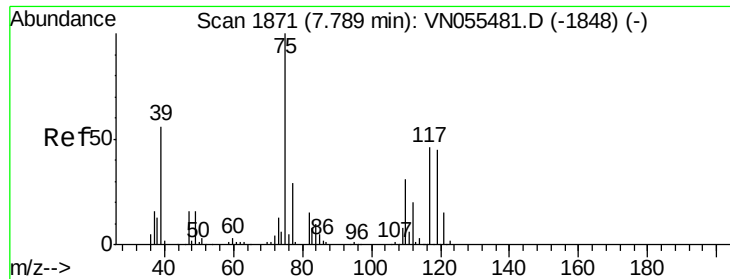
#35
 Dibromofluoromethane
 Concen: 48.638 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055542.D
 Acq: 10 May 2019 11:06

Tgt Ion:113 Resp: 464926
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.9 124.3
 192 19.4 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

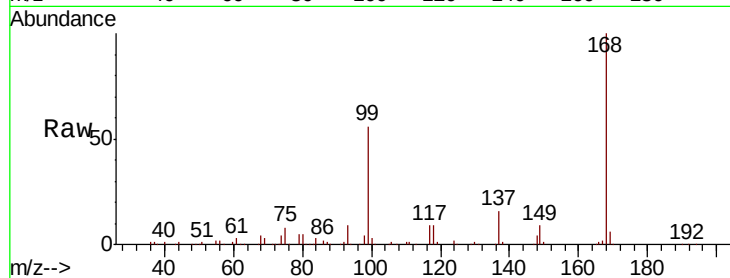




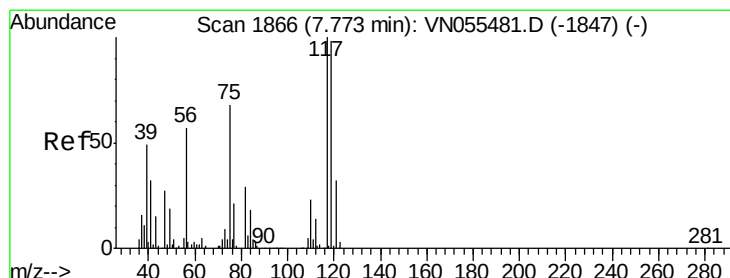
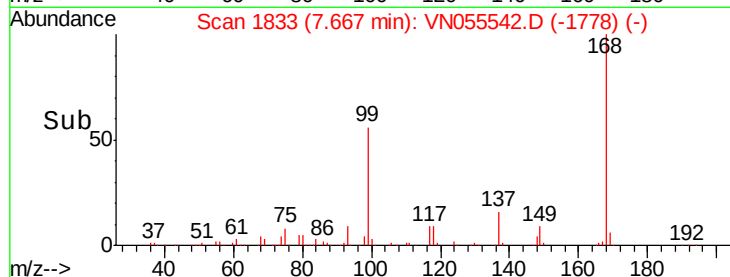
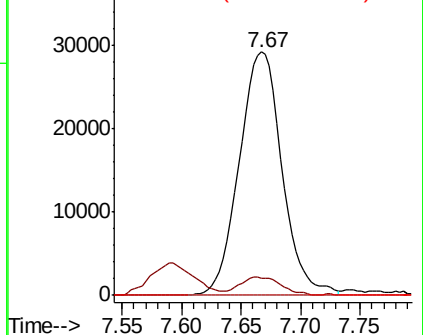
#36
 1,1-Dichloropropene
 Concen: 4.975 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN055542.D
 Acq: 10 May 2019 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 IW-14

Tot Ion: 75 Resp: 72626
 Ion Ratio Lower Upper
 75 100
 110 7.3 16.1 48.3#
 77 0.0 24.6 37.0#

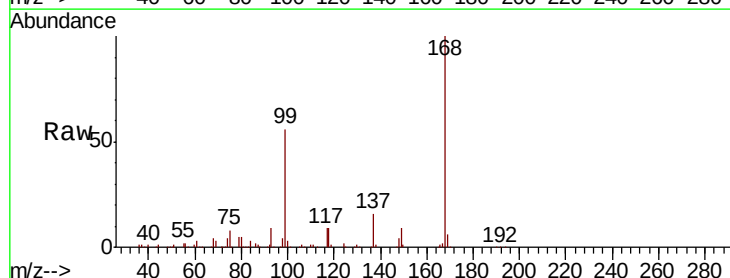


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

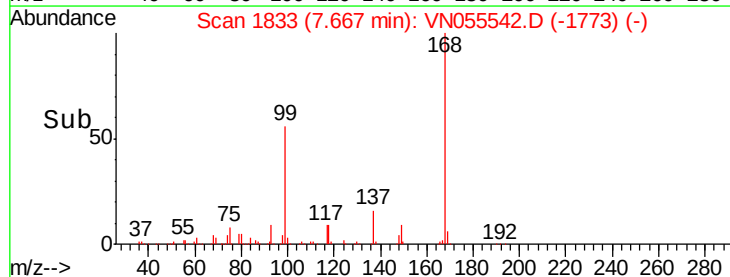
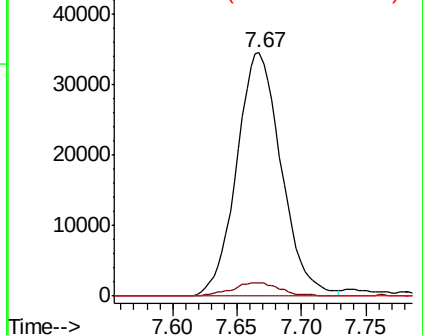


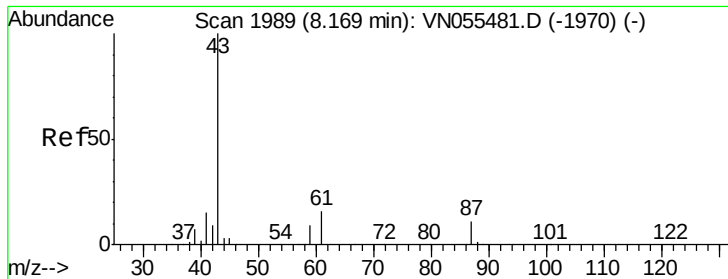
#38
 Carbon Tetrachloride
 Concen: 6.776 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN055542.D
 Acq: 10 May 2019 11:06

Tgt Ion: 117 Resp: 83292
 Ion Ratio Lower Upper
 117 100
 119 5.7 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: 0.206 ug/l

RT: 8.26 min Scan# 2017

Delta R.T. 0.09 min

Lab File: VN055542.D

Acq: 10 May 2019 11:06

Instrument :

MSVOA_N

ClientSampleId :

IW-14

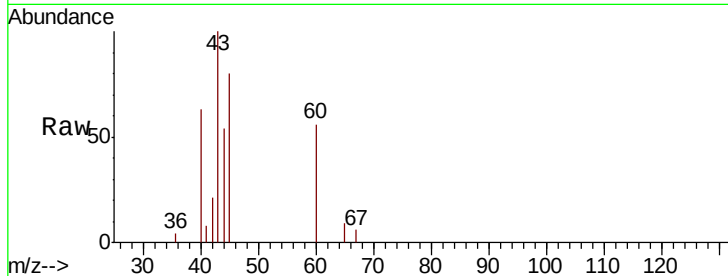
Tot Ion: 43 Resp: 4992

Ion Ratio Lower Upper

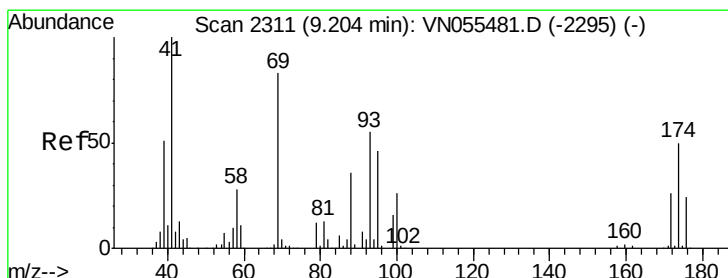
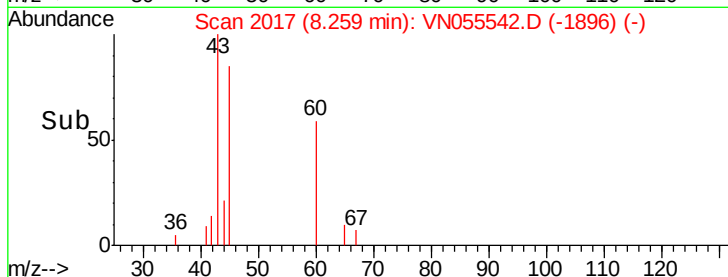
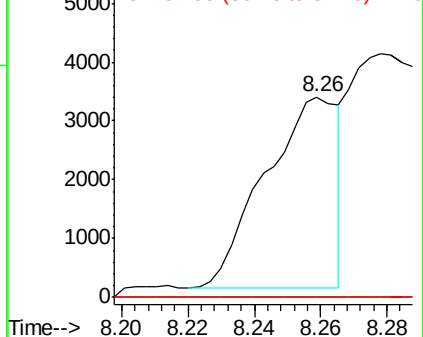
43 100

61 0.0 15.1 22.7#

87 0.0 9.0 13.6#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO



#49

1,4-Dioxane

Concen: 0.282 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055542.D

Acq: 10 May 2019 11:06

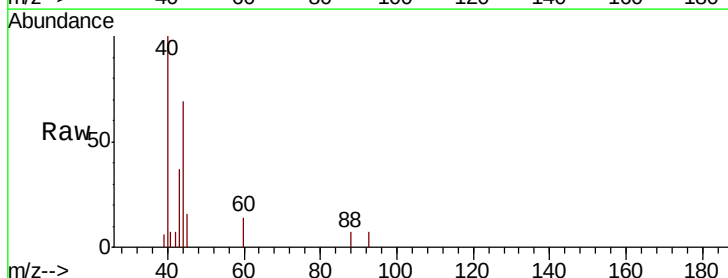
Tgt Ion: 88 Resp: 64

Ion Ratio Lower Upper

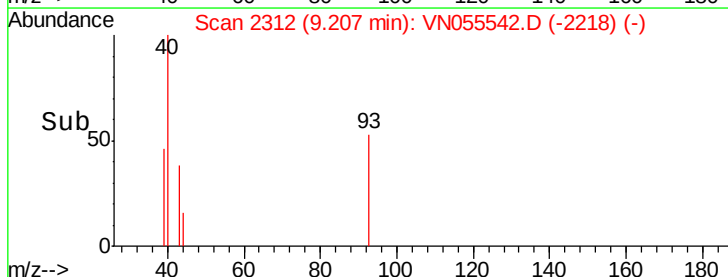
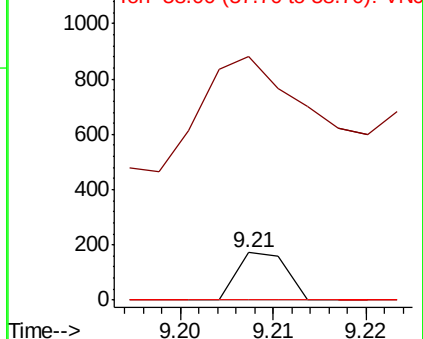
88 100

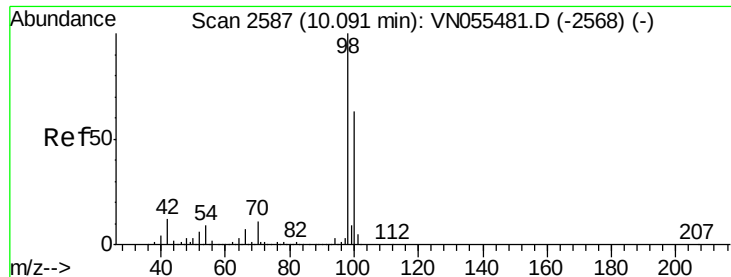
43 720.3 27.8 41.8#

58 0.0 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: 48.128 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055542.D

Acq: 10 May 2019 11:06

Instrument :

MSVOA_N

ClientSampled :

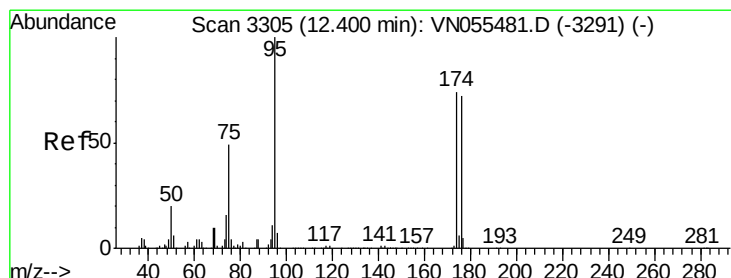
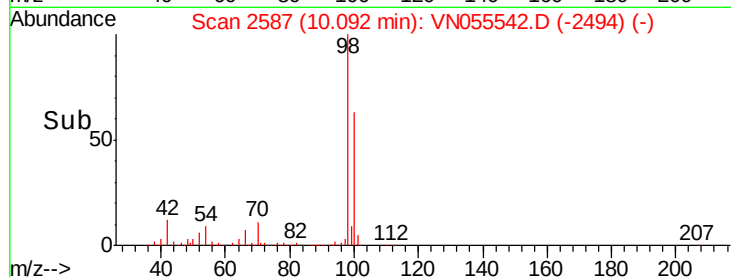
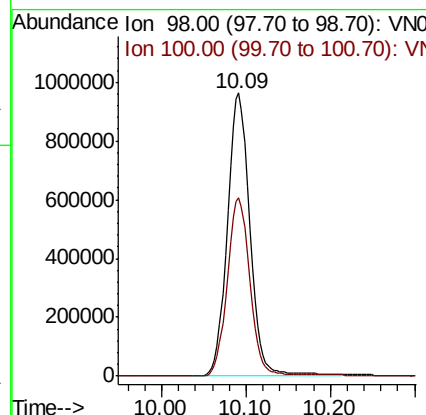
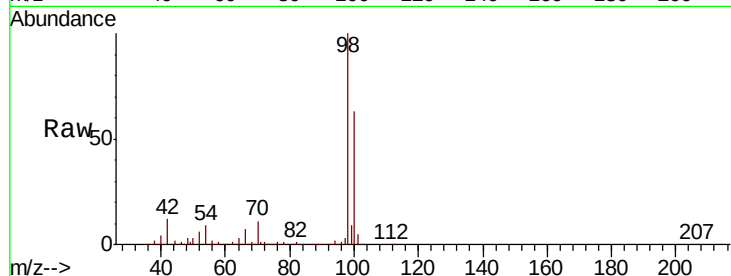
IW-14

Tot Ion: 98 Resp: 1792760

Ion Ratio Lower Upper

98 100

100 63.4 50.4 75.6



#62

4-Bromofluorobenzene

Concen: 39.937 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055542.D

Acq: 10 May 2019 11:06

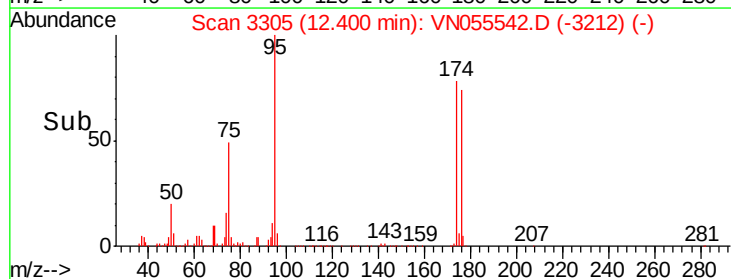
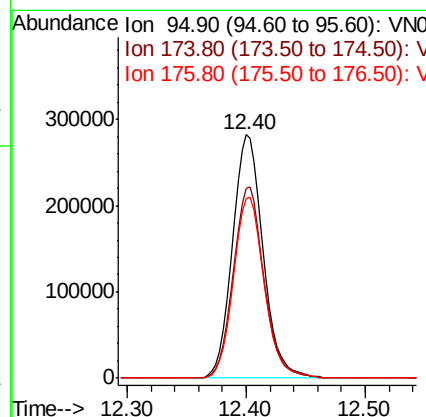
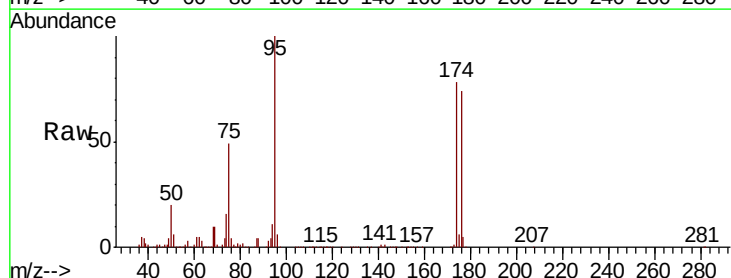
Tgt Ion: 95 Resp: 501614

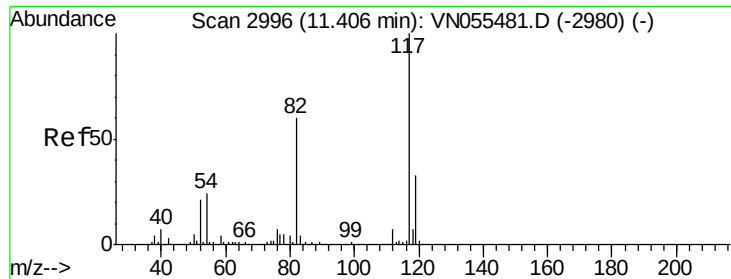
Ion Ratio Lower Upper

95 100

174 78.9 0.0 152.2

176 74.9 0.0 147.8

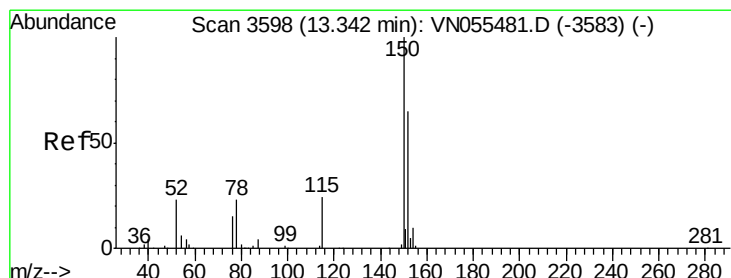
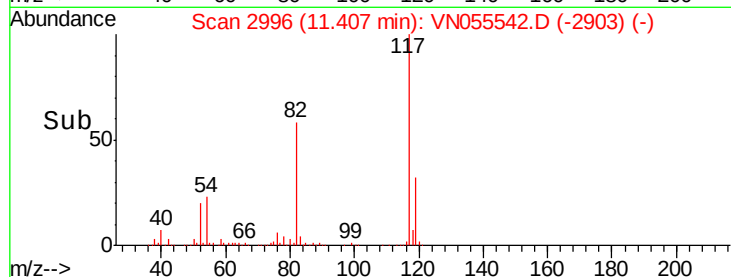
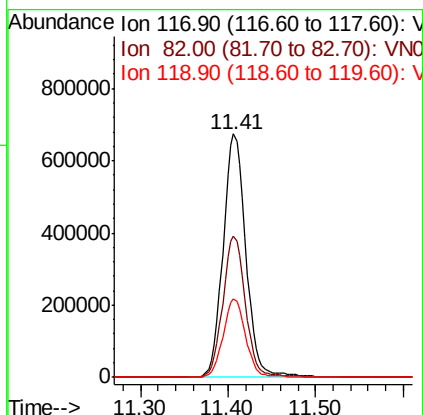
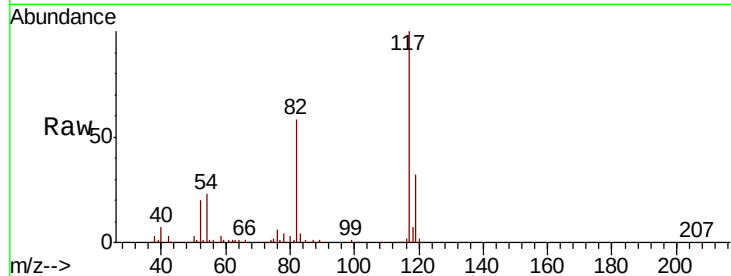




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055542.D
Acq: 10 May 2019 11:06

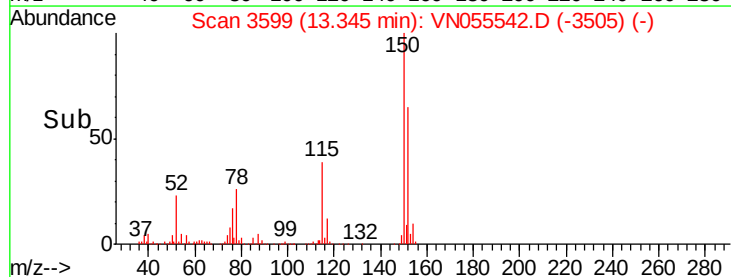
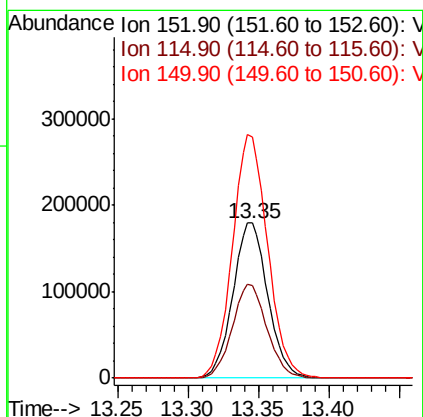
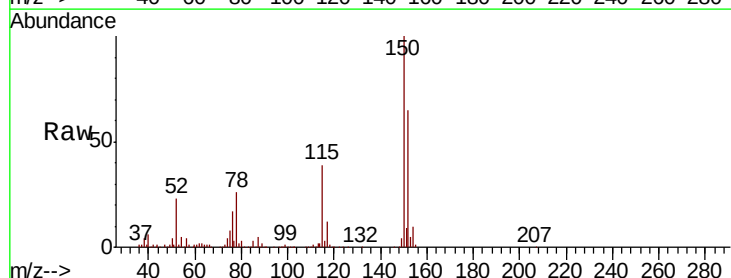
Instrument :
MSVOA_N
ClientSampled :
IW-14

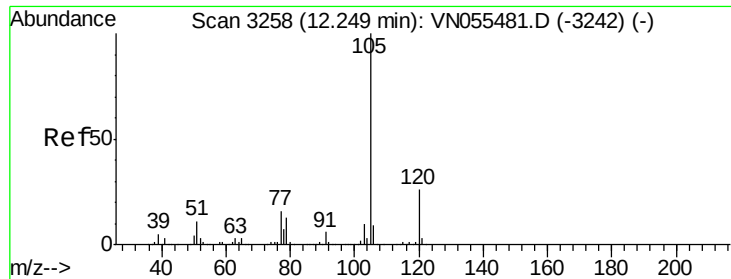
Tot Ion:117 Resp: 1218797
Ion Ratio Lower Upper
117 100
82 58.0 48.0 72.0
119 32.5 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN055542.D
Acq: 10 May 2019 11:06

Tgt Ion:152 Resp: 310974
Ion Ratio Lower Upper
152 100
115 59.9 30.1 90.5
150 158.0 0.0 355.0





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.26 min Scan# 3260

Delta R.T. 0.01 min

Lab File: VN055542.D

Acq: 10 May 2019 11:06

Instrument :

MSVOA_N

ClientSampled :

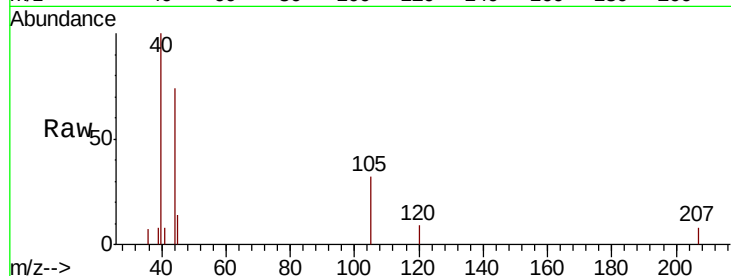
IW-14

Tot Ion:105 Resp: 974

Ion Ratio Lower Upper

105 100

120 13.1 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.26

800

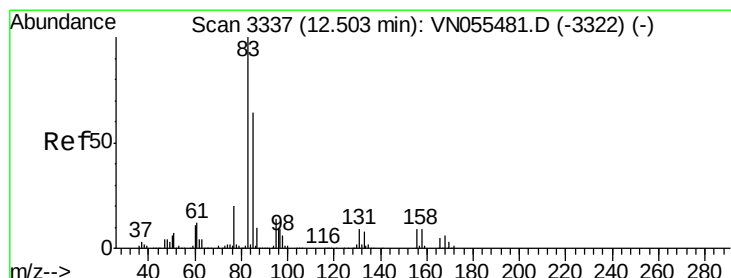
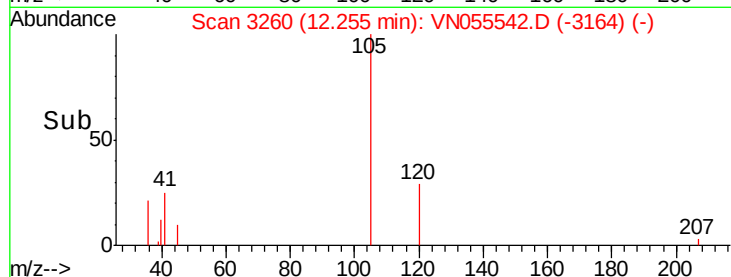
600

400

200

0

Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN055542.D

Acq: 10 May 2019 11:06

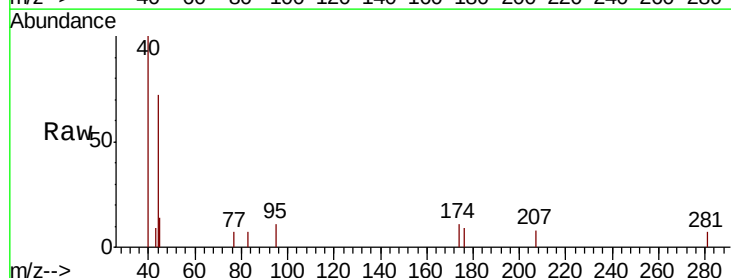
Tgt Ion: 83 Resp: 30

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.5#

85 0.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V

12.51

200

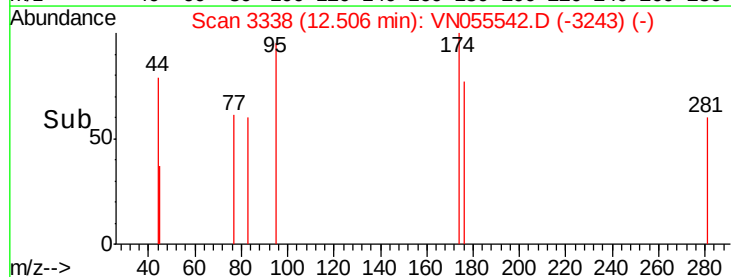
150

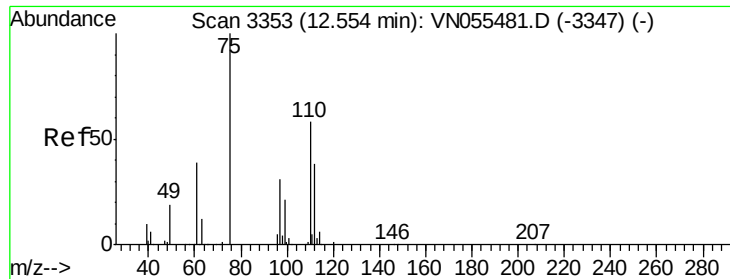
100

50

0

Time-->





#76

1,2,3-Trichloropropane

Concen: 29.367 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055542.D

Acq: 10 May 2019 11:06

Instrument :

MSVOA_N

ClientSampled :

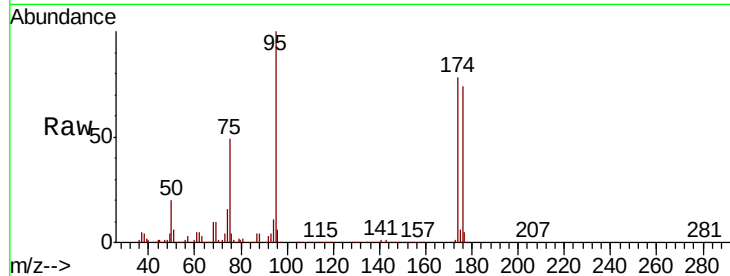
IW-14

Tot Ion: 75 Resp: 248618

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

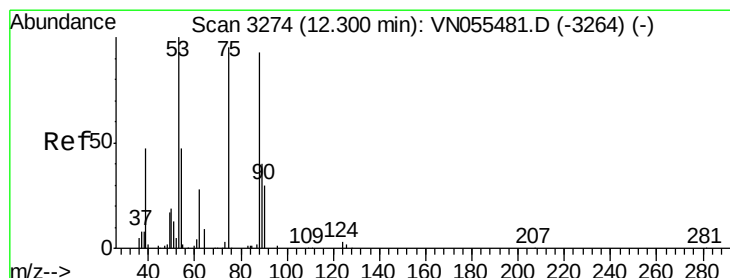
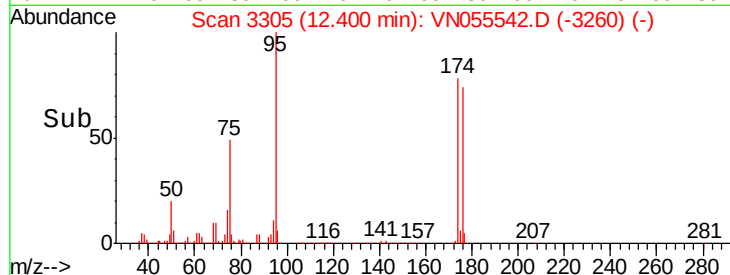
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 108.362 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055542.D

Acq: 10 May 2019 11:06

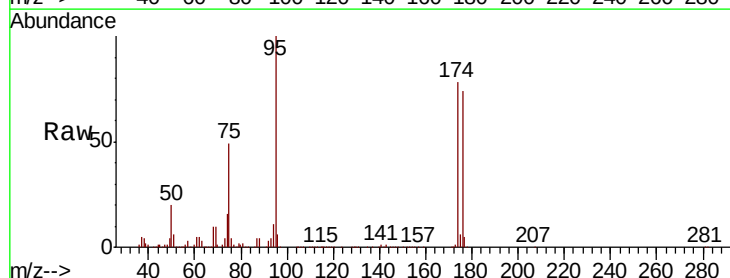
Tgt Ion: 75 Resp: 248618

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): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

12.40

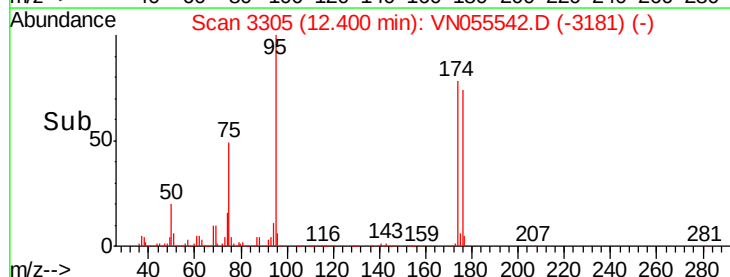
150000

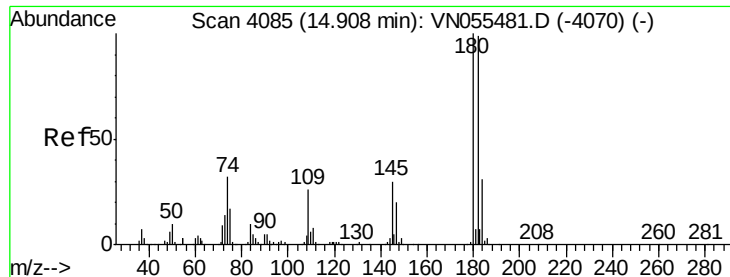
100000

50000

0

Time--> 12.30 12.40 12.50





#93

1,2,4-Trichlorobenzene

Concen: 3.431 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN055542.D

Acq: 10 May 2019 11:06

Instrument :

MSVOA_N

ClientSampled :

IW-14

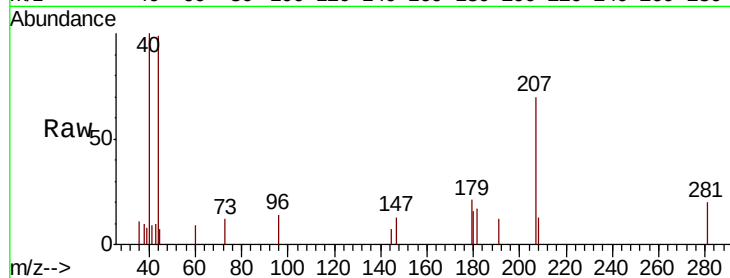
Tot Ion:180 Resp: 1110

Ion Ratio Lower Upper

180 100

182 66.9 48.7 146.1

145 17.6 15.3 45.9

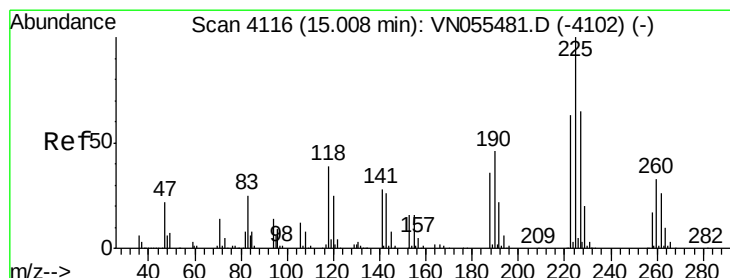
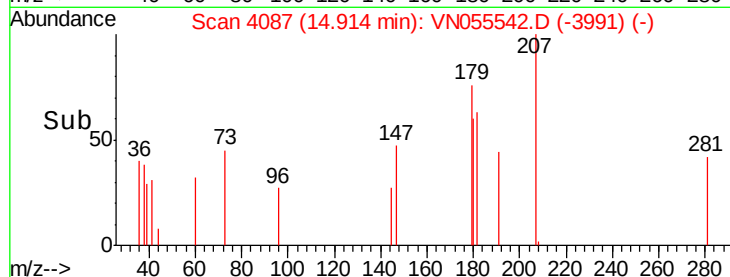
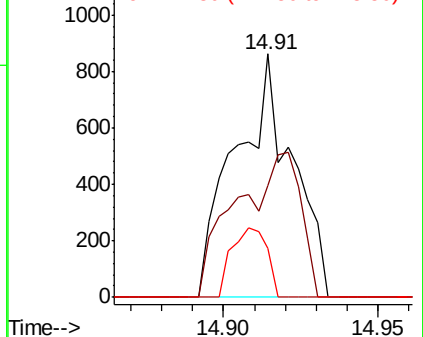


Abundance

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: Below Cal

RT: 15.01 min Scan# 4118

Delta R.T. 0.01 min

Lab File: VN055542.D

Acq: 10 May 2019 11:06

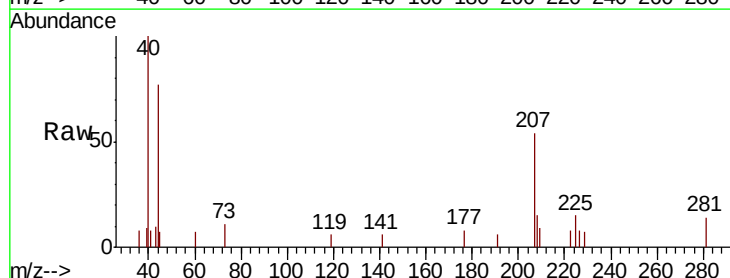
Tgt Ion:225 Resp: 459

Ion Ratio Lower Upper

225 100

223 22.9 31.4 94.3#

227 33.6 32.0 96.0

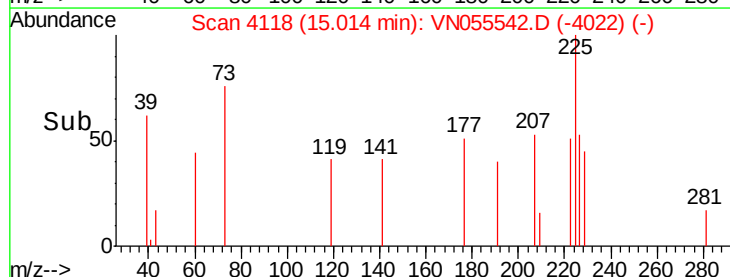
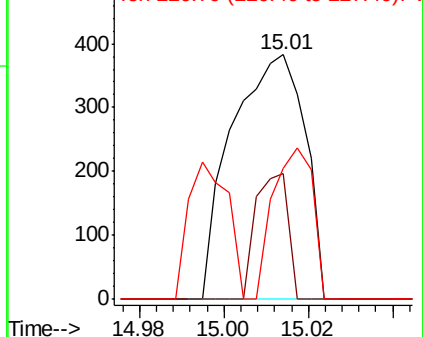


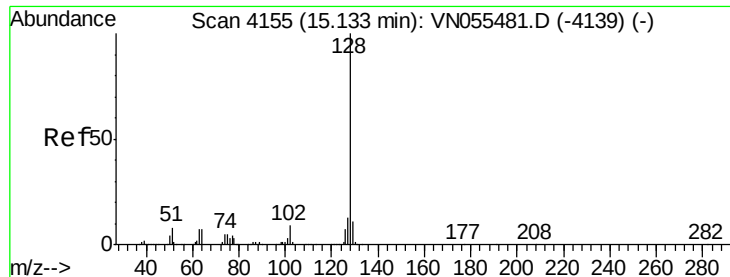
Abundance

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: 3.142 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055542.D

Acq: 10 May 2019 11:06

Instrument :

MSVOA_N

ClientSampleId :

IW-14

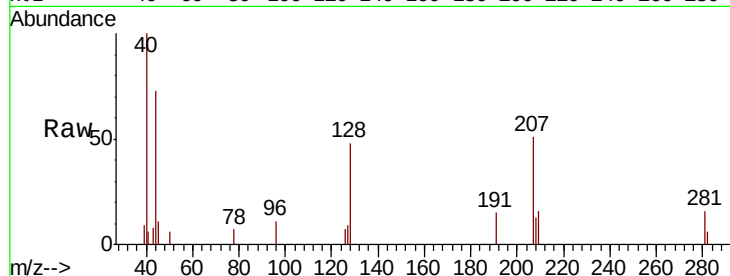
Tot Ion:128 Resp: 2821

Ion Ratio Lower Upper

128 100

127 11.2 10.0 15.0

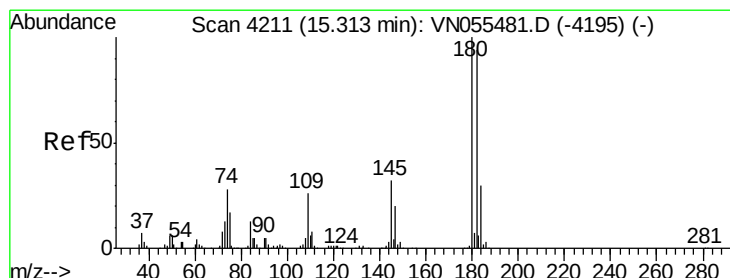
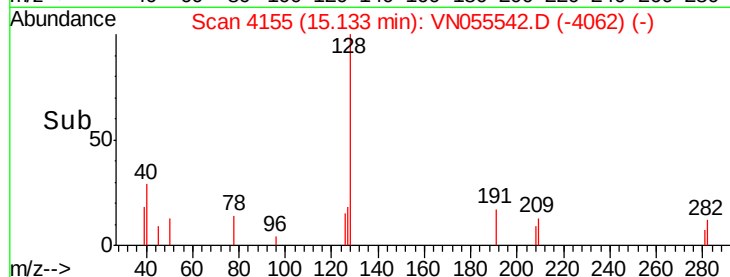
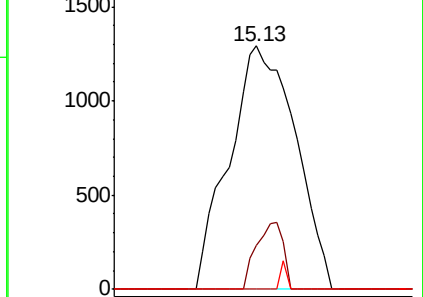
129 1.0 8.8 13.2#



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: 2.626 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN055542.D

Acq: 10 May 2019 11:06

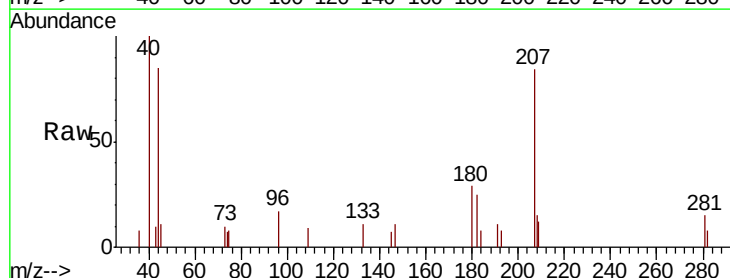
Tgt Ion:180 Resp: 1064

Ion Ratio Lower Upper

180 100

182 93.6 47.1 141.3

145 5.6 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

