

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121318\
 Data File : VN052853.D
 Acq On : 13 Dec 2018 10:14
 Operator : MD\SY
 Sample : VN1213WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213WBL01

Quant Time: Dec 14 01:35:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1143064	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1770368	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1493052	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	507539	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	580122	47.73	ug/l	0.00
Spiked Amount			Recovery	=	95.46%	
35) Dibromofluoromethane	7.59	113	514116	52.02	ug/l	0.00
Spiked Amount			Recovery	=	104.04%	
50) Toluene-d8	10.09	98	2135827	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
62) 4-Bromofluorobenzene	12.40	95	623364	42.94	ug/l	0.00
Spiked Amount			Recovery	=	85.88%	

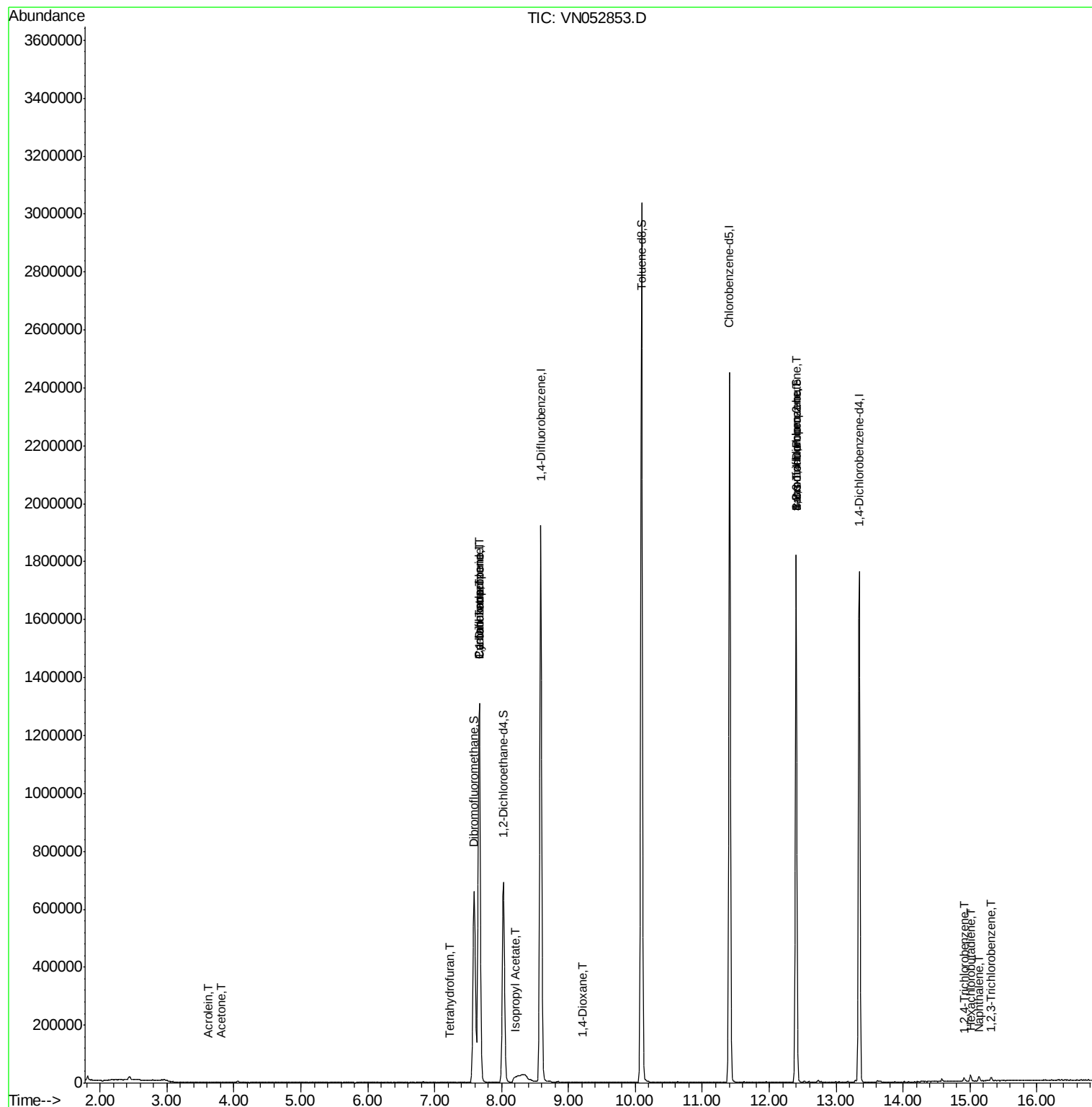
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.62	56	555	0.868	ug/l	91
16) Acetone	3.82	43	646	0.237	ug/l #	70
29) Tetrahydrofuran	7.23	42	972	0.336	ug/l #	36
31) Cyclohexane	7.67	56	19570	0.374	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	77167	4.733	ug/l #	49
38) Carbon Tetrachloride	7.66	117	100261	6.681	ug/l #	16
43) Isopropyl Acetate	8.20	43	13744	0.684	ug/l #	53
49) 1,4-Dioxane	9.20	88	30	0.300	ug/l #	1
71) Bromoform	12.40	173	3944	0.539	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	296518	39.598	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	296518	127.209	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.91	180	4350	0.486	ug/l	94
94) Hexachlorobutadiene	15.01	225	4406	0.850	ug/l	93
95) Naphthalene	15.13	128	12894	0.695	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	5049	0.614	ug/l	100

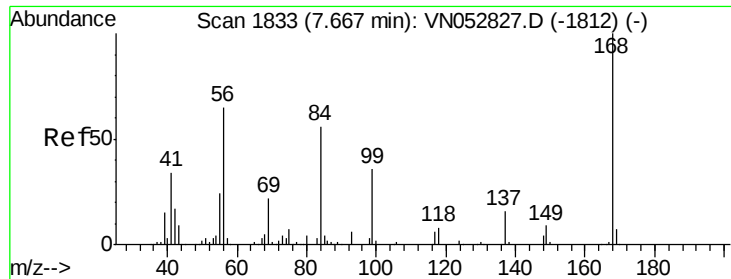
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121318\
Data File : VN052853.D
Acq On : 13 Dec 2018 10:14
Operator : MD\SY
Sample : VN1213WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBL01

Quant Time: Dec 14 01:35:22 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 13 01:08:35 2018
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: VN052853.D

Acq: 13 Dec 2018 10:14

Instrument :

MSVOA_N

ClientSampled :

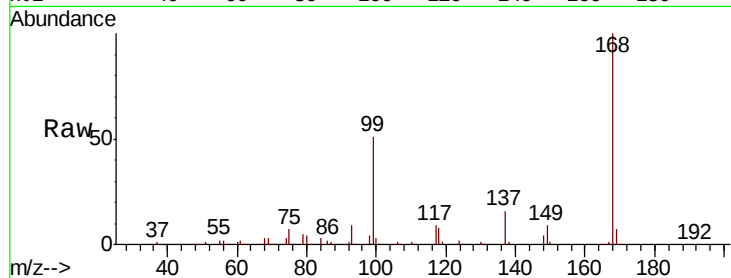
VN1213WBL01

Tot Ion:168 Resp: 1143064

Ion Ratio Lower Upper

168 100

99 51.1 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

500000

400000

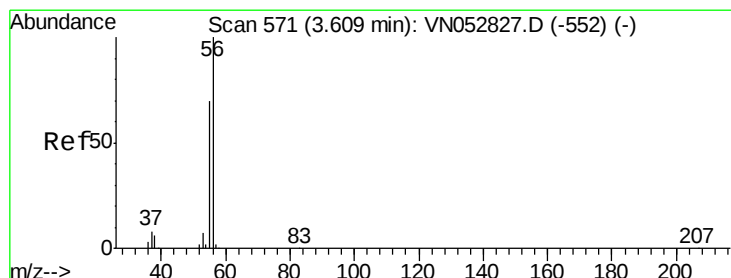
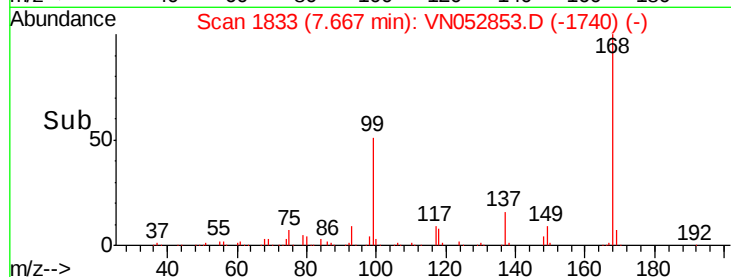
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 0.868 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN052853.D

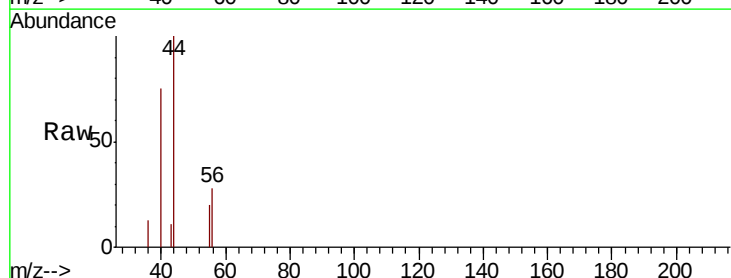
Acq: 13 Dec 2018 10:14

Tgt Ion: 56 Resp: 555

Ion Ratio Lower Upper

56 100

55 78.2 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

3.62

400

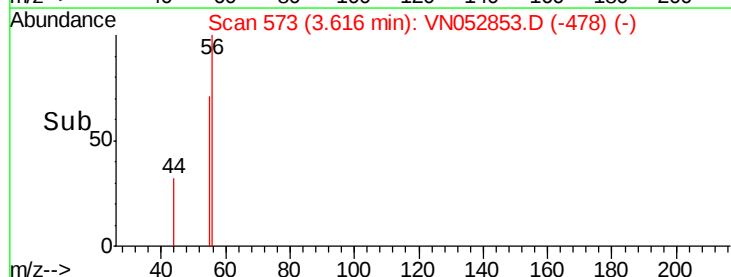
300

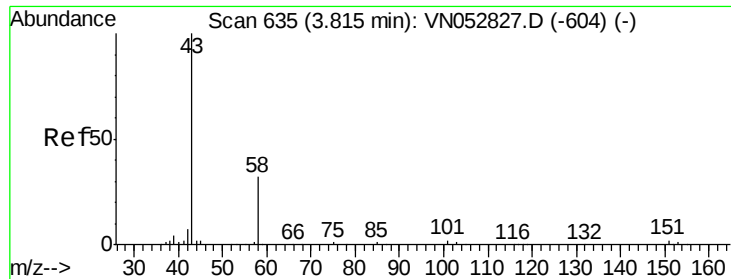
200

100

0

Time-->





#16

Acetone

Concen: 0.237 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052853.D

Acq: 13 Dec 2018 10:14

Instrument :

MSVOA_N

ClientSampleId :

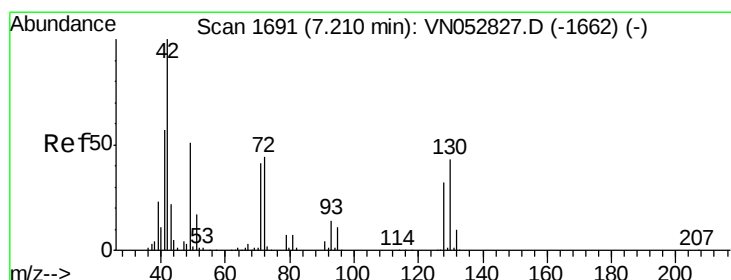
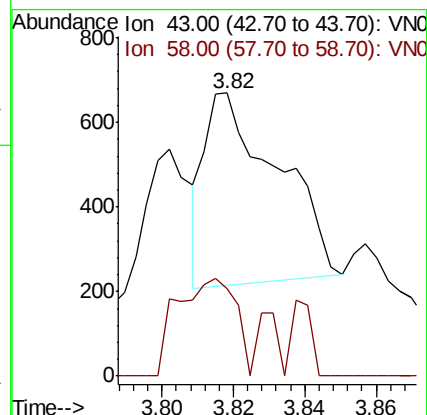
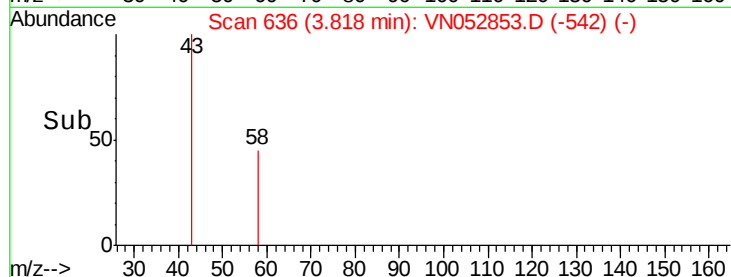
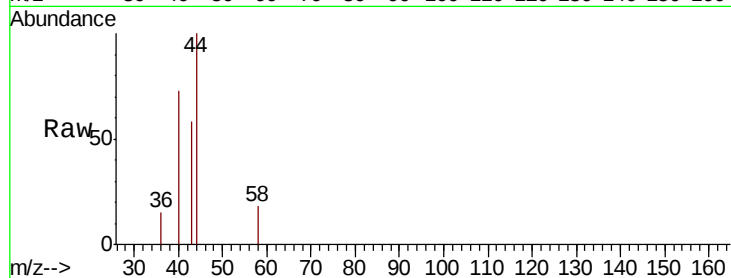
VN1213WBL01

Tot Ion: 43 Resp: 646

Ion Ratio Lower Upper

43 100

58 48.1 25.4 38.0#



#29

Tetrahydrofuran

Concen: 0.336 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.02 min

Lab File: VN052853.D

Acq: 13 Dec 2018 10:14

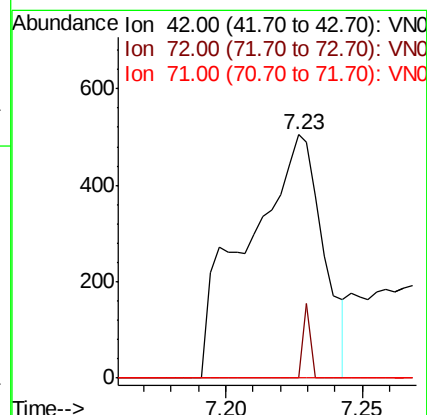
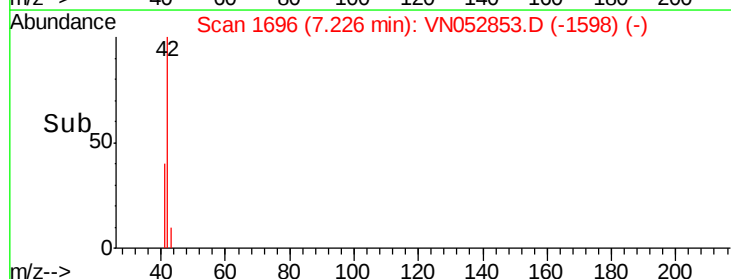
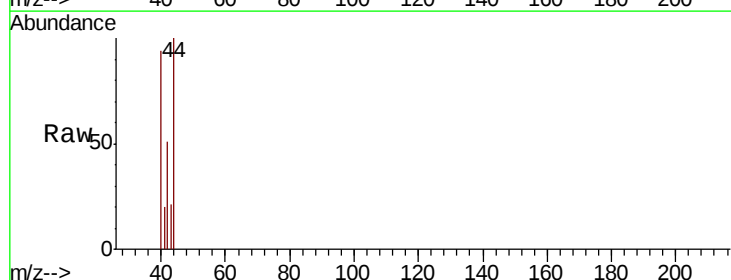
Tgt Ion: 42 Resp: 972

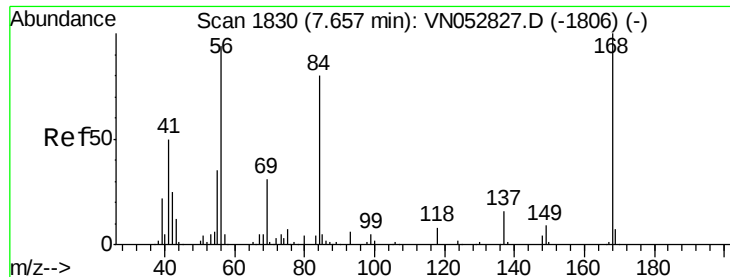
Ion Ratio Lower Upper

42 100

72 3.1 34.7 52.1#

71 0.0 32.3 48.5#





#31

Cyclohexane

Concen: 0.374 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN052853.D

Acq: 13 Dec 2018 10:14

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBL01

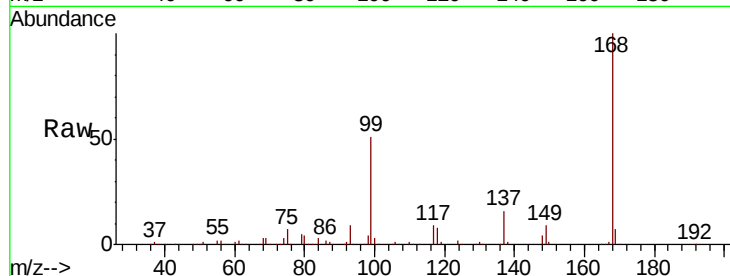
Tot Ion: 56 Resp: 19570

Ion Ratio Lower Upper

56 100

69 195.1 26.6 39.8#

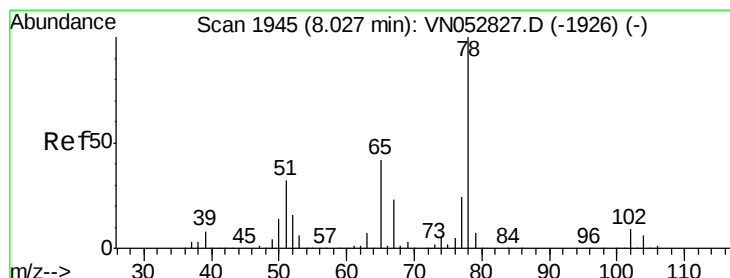
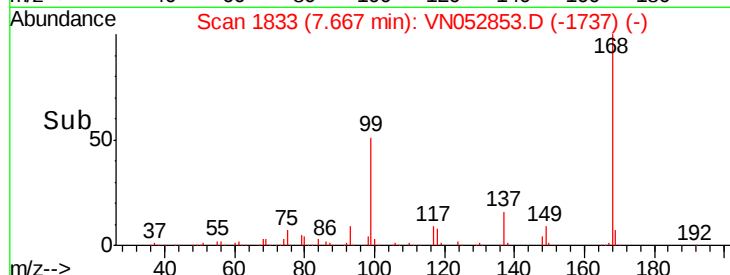
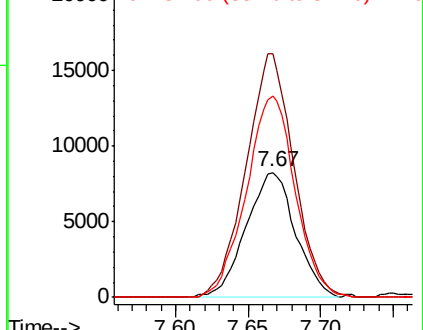
84 161.4 68.4 102.6#



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: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052853.D

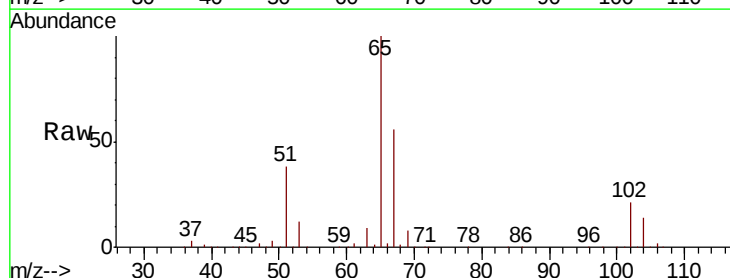
Acq: 13 Dec 2018 10:14

Tgt Ion: 65 Resp: 580122

Ion Ratio Lower Upper

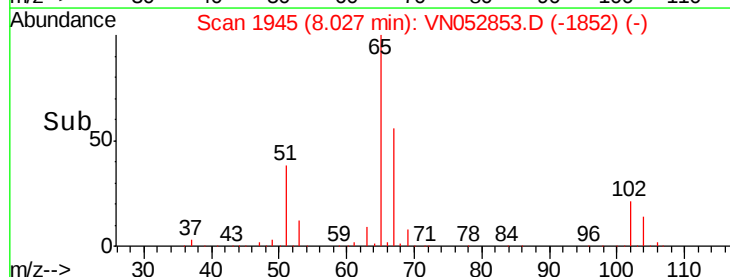
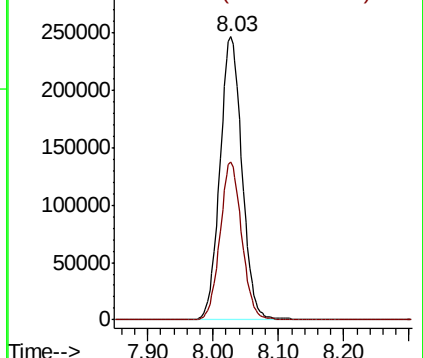
65 100

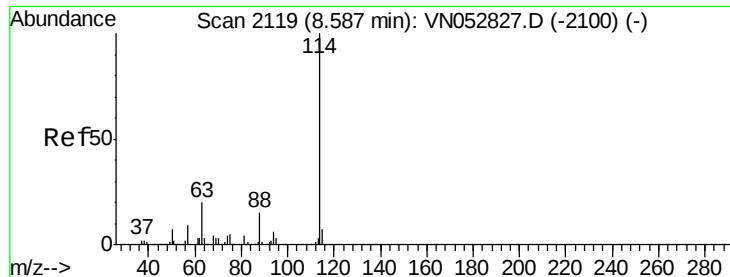
67 54.8 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

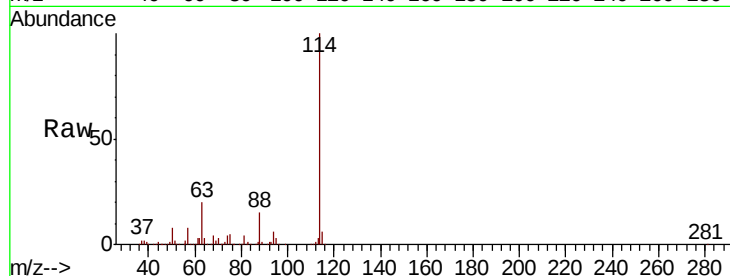




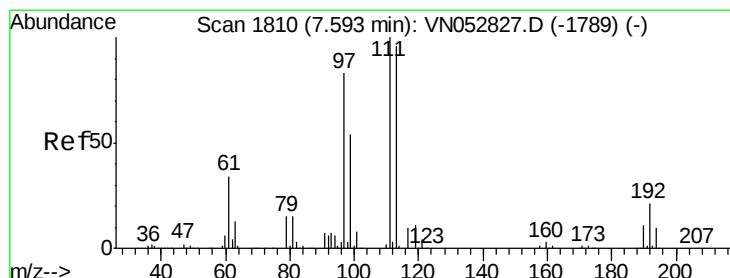
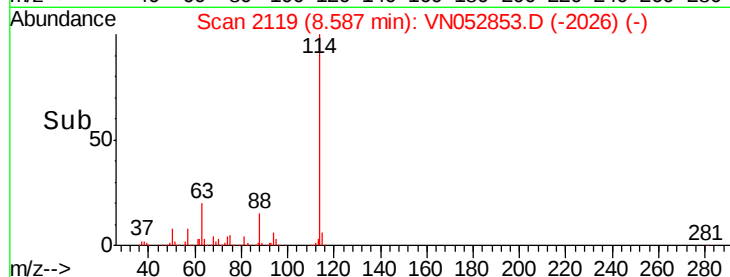
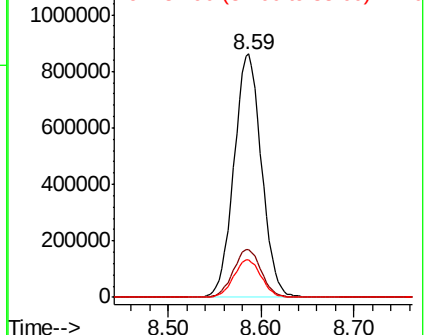
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN052853.D
Acq: 13 Dec 2018 10:14

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBL01

Tot Ion:114 Resp: 1770368
Ion Ratio Lower Upper
114 100
63 19.7 0.0 39.8
88 15.4 0.0 31.0

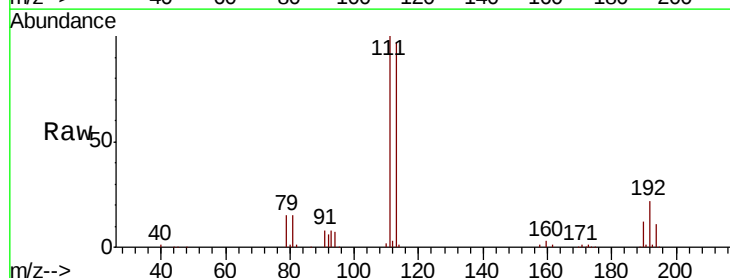


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

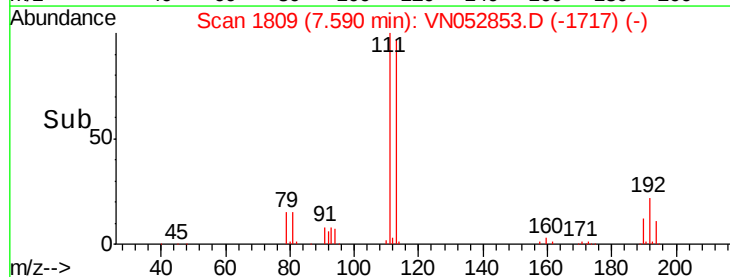
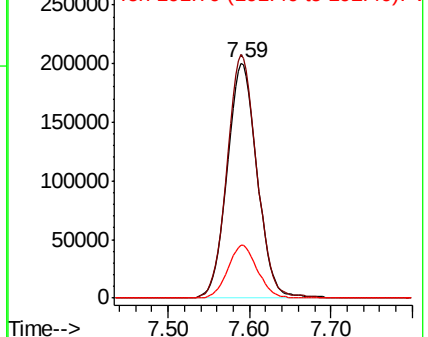


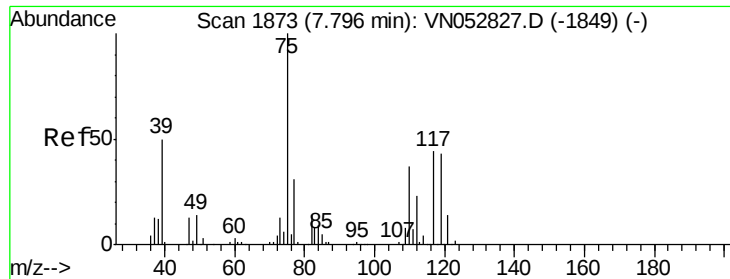
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052853.D
Acq: 13 Dec 2018 10:14

Tgt Ion:113 Resp: 514116
Ion Ratio Lower Upper
113 100
111 102.8 83.0 124.4
192 22.2 17.5 26.3



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: 4.733 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN052853.D

Acq: 13 Dec 2018 10:14

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBL01

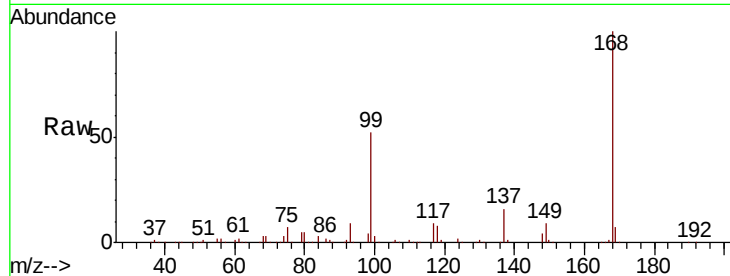
Tot Ion: 75 Resp: 77167

Ion Ratio Lower Upper

75 100

110 9.3 18.2 54.6#

77 0.0 24.9 37.3#



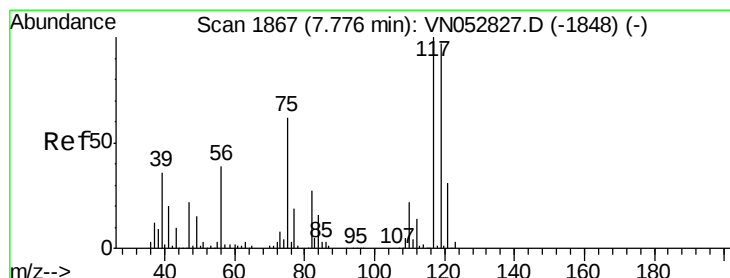
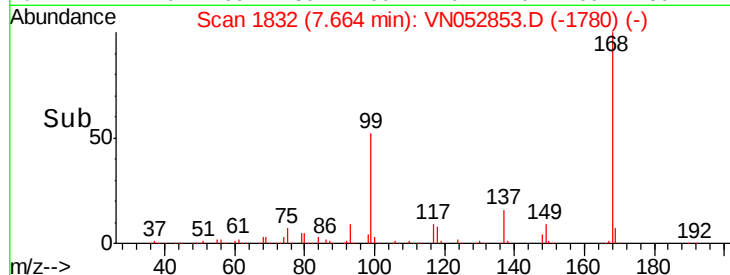
Abundance Ion 74.90 (74.60 to 75.60): VN052827.D (-1849) (-)

Ion 109.90 (109.60 to 110.60): VN052827.D (-1849) (-)

Ion 76.90 (76.60 to 77.60): VN052827.D (-1849) (-)

7.66

Time-->



#38

Carbon Tetrachloride

Concen: 6.681 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN052853.D

Acq: 13 Dec 2018 10:14

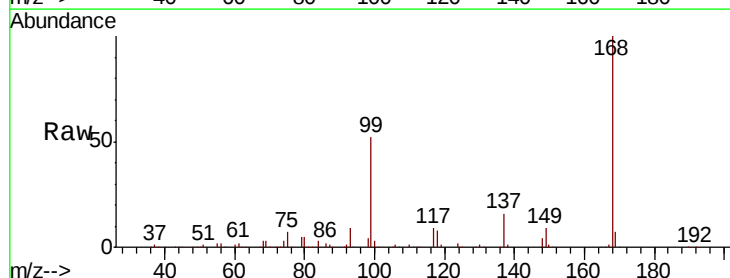
Tgt Ion: 117 Resp: 100261

Ion Ratio Lower Upper

117 100

119 6.0 77.1 115.7#

121 0.0 24.9 37.3#



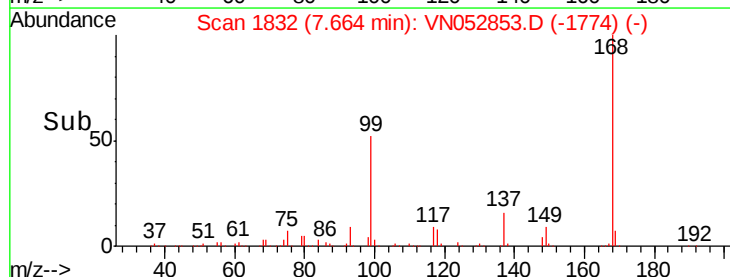
Abundance Ion 116.80 (116.50 to 117.50): VN052827.D (-1848) (-)

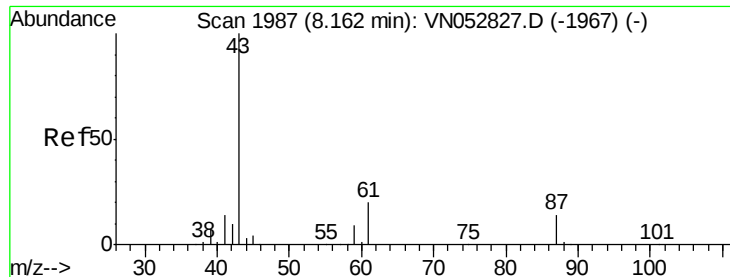
Ion 118.80 (118.50 to 119.50): VN052827.D (-1848) (-)

Ion 120.80 (120.50 to 121.50): VN052827.D (-1848) (-)

7.66

Time-->





#43

Isopropyl Acetate

Concen: 0.684 ug/l

RT: 8.20 min Scan# 1999

Delta R.T. 0.04 min

Lab File: VN052853.D

Acq: 13 Dec 2018 10:14

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBL01

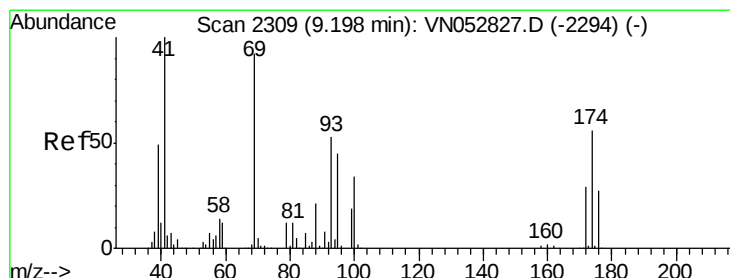
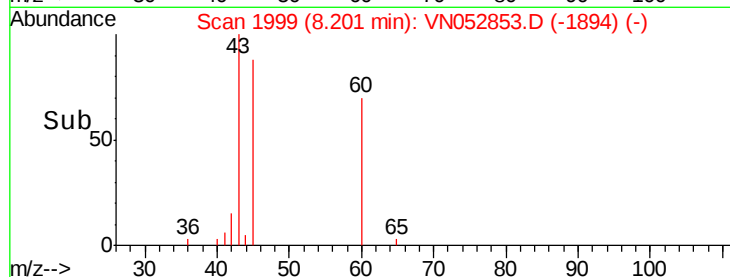
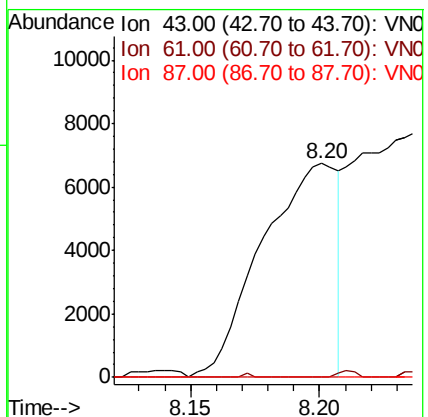
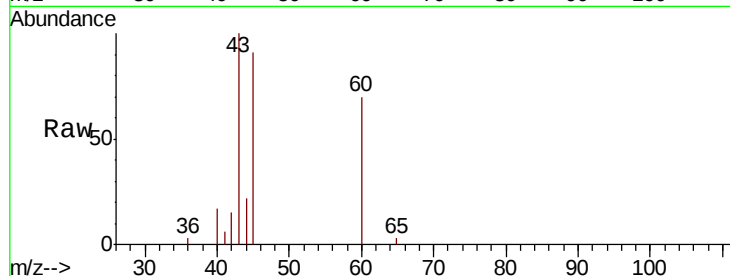
Tot Ion: 43 Resp: 13744

Ion Ratio Lower Upper

43 100

61 0.0 22.9 34.3#

87 0.0 10.6 15.8#



#49

1,4-Dioxane

Concen: 0.300 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052853.D

Acq: 13 Dec 2018 10:14

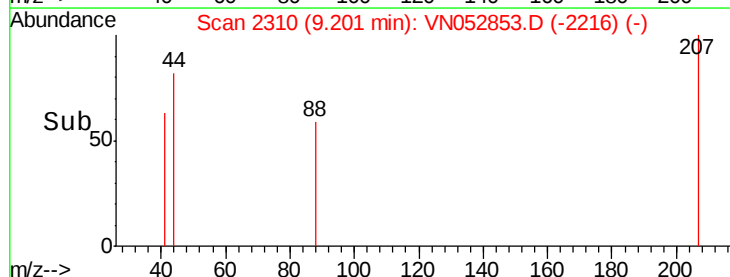
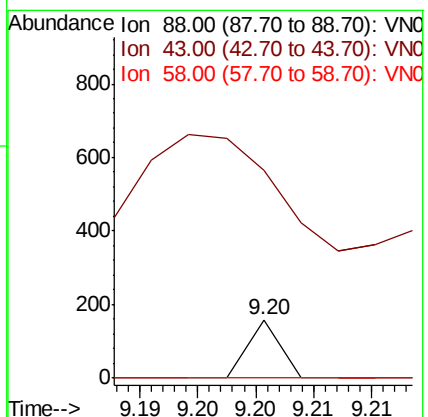
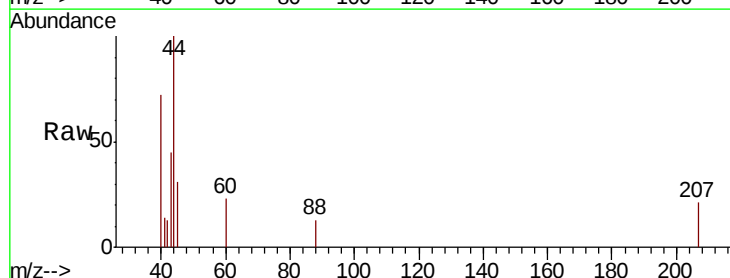
Tgt Ion: 88 Resp: 30

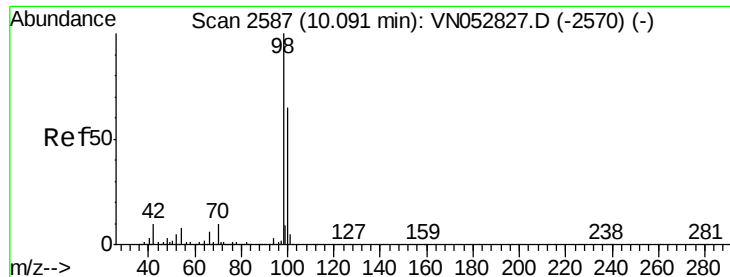
Ion Ratio Lower Upper

88 100

43 860.0 26.6 40.0#

58 0.0 58.4 87.6#





#50

Toluene-d8

Concen: 0.300 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052853.D

Acq: 13 Dec 2018 10:14

Instrument :

MSVOA_N

ClientSampleId :

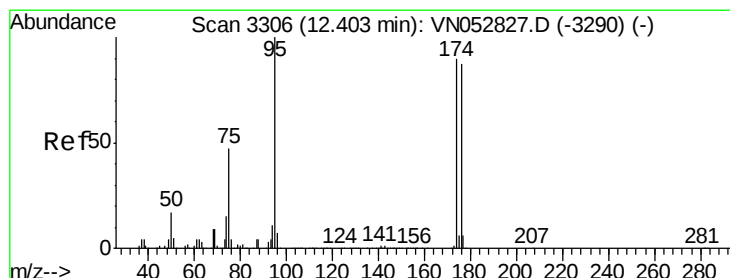
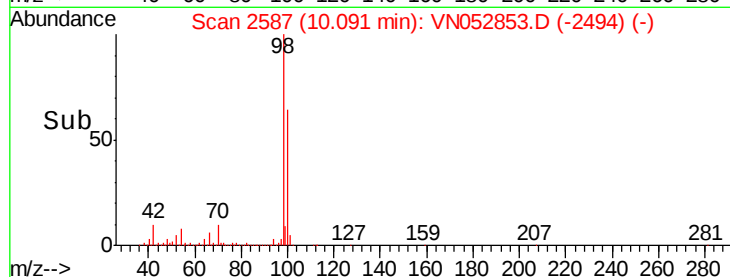
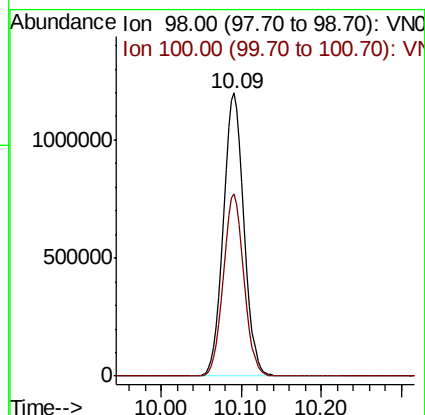
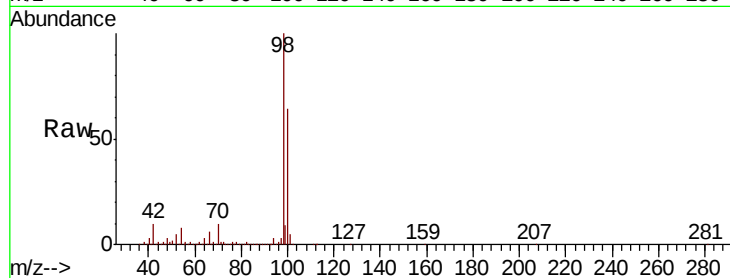
VN1213WBL01

Tot Ion: 98 Resp: 2135827

Ion Ratio Lower Upper

98 100

100 64.3 51.6 77.4



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN052853.D

Acq: 13 Dec 2018 10:14

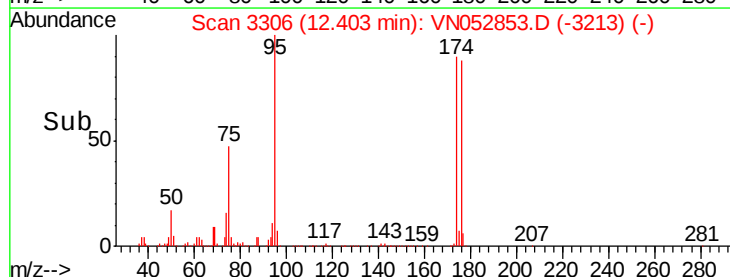
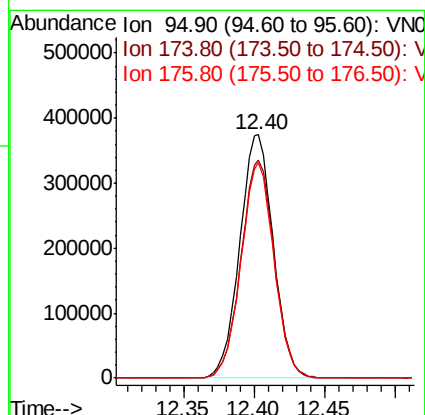
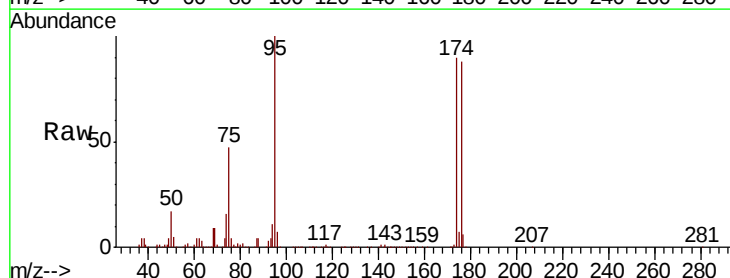
Tgt Ion: 95 Resp: 623364

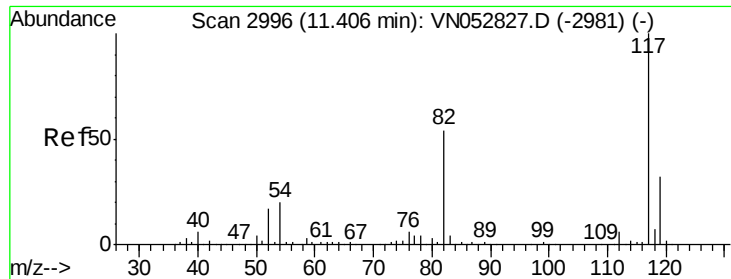
Ion Ratio Lower Upper

95 100

174 89.3 0.0 178.8

176 86.9 0.0 173.8

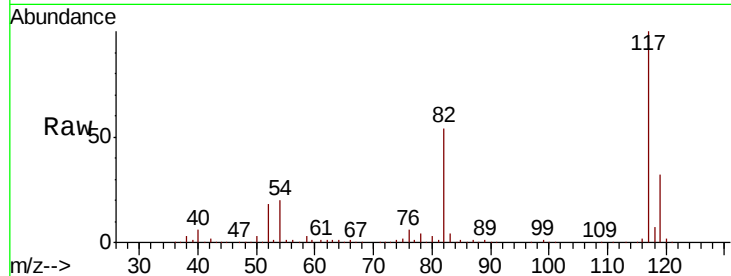




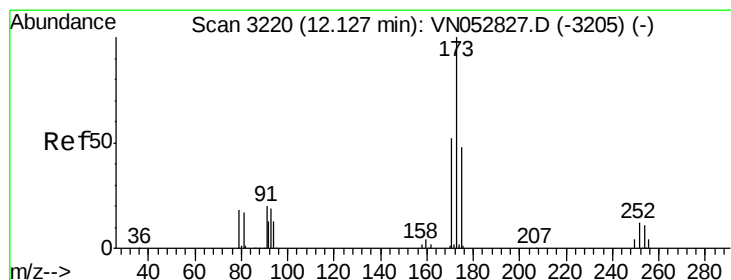
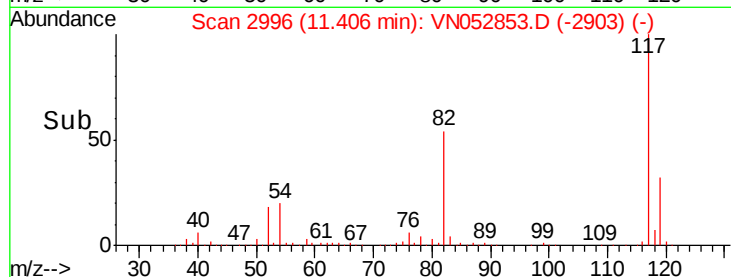
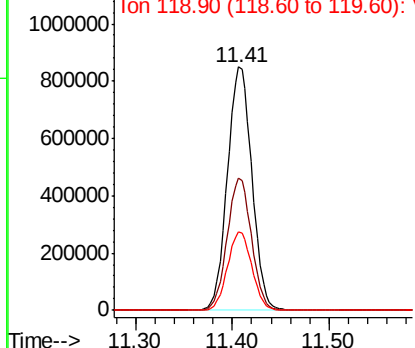
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052853.D
Acq: 13 Dec 2018 10:14

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBL01

Tot Ion:117 Resp: 1493052
Ion Ratio Lower Upper
117 100
82 54.3 42.8 64.2
119 32.2 25.5 38.3

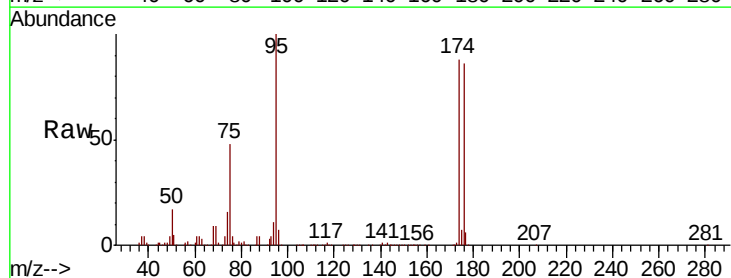


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

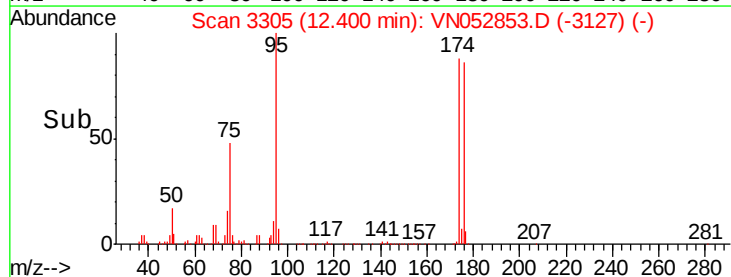
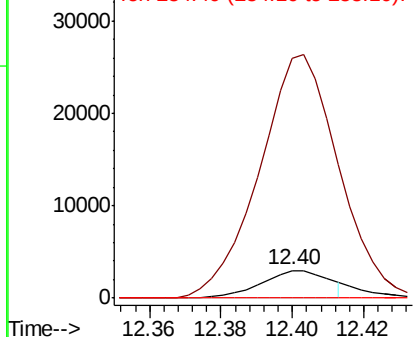


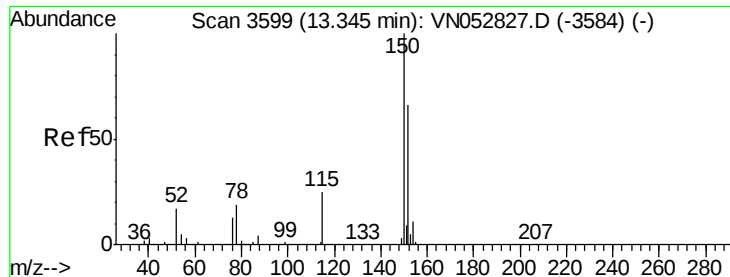
#71
Bromoform
Concen: 0.539 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN052853.D
Acq: 13 Dec 2018 10:14

Tgt Ion:173 Resp: 3944
Ion Ratio Lower Upper
173 100
175 907.2 24.3 72.9#
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: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN052853.D

Acq: 13 Dec 2018 10:14

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBL01

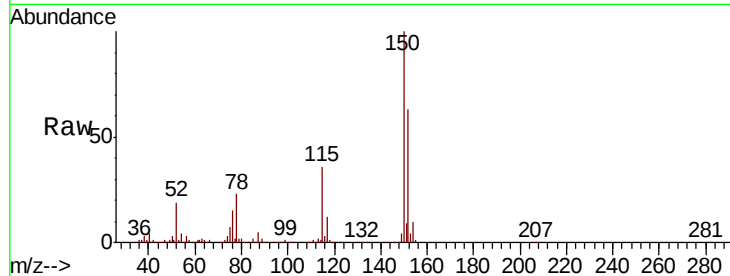
Tot Ion:152 Resp: 507539

Ion Ratio Lower Upper

152 100

115 56.8 28.3 85.0

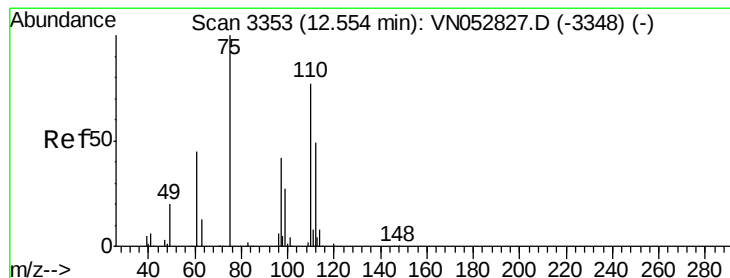
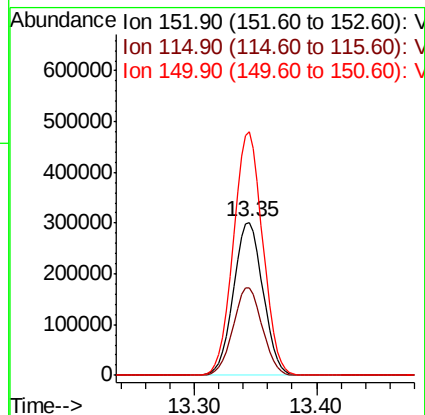
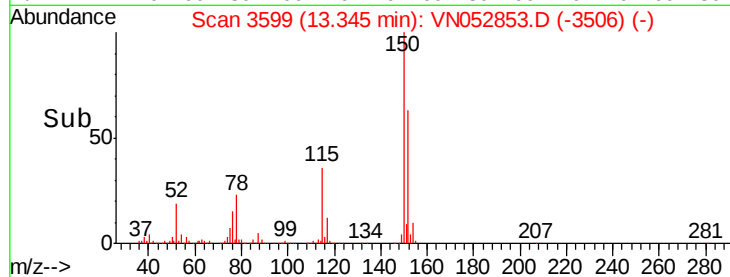
150 157.7 0.0 347.8



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



#76

1,2,3-Trichloropropane

Concen: 39.598 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052853.D

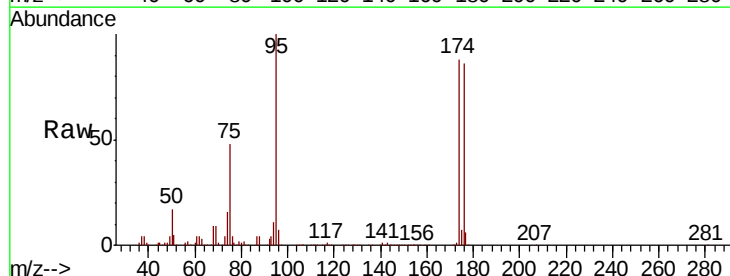
Acq: 13 Dec 2018 10:14

Tgt Ion: 75 Resp: 296518

Ion Ratio Lower Upper

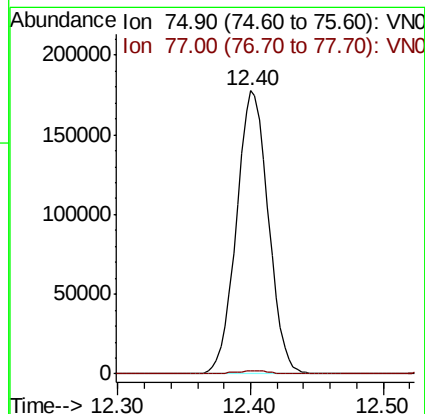
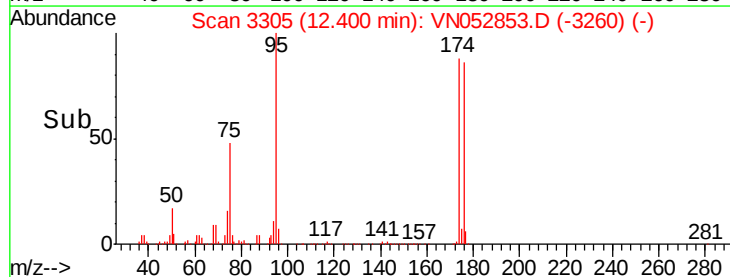
75 100

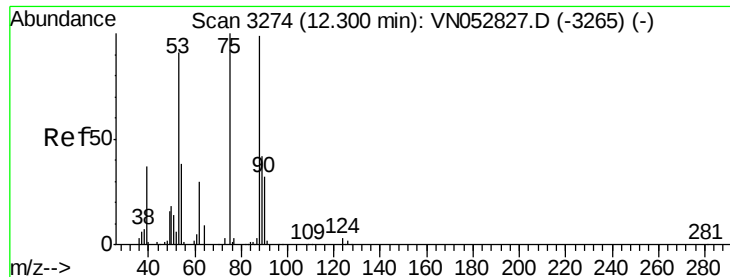
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 127.209 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052853.D

Acq: 13 Dec 2018 10:14

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBL01

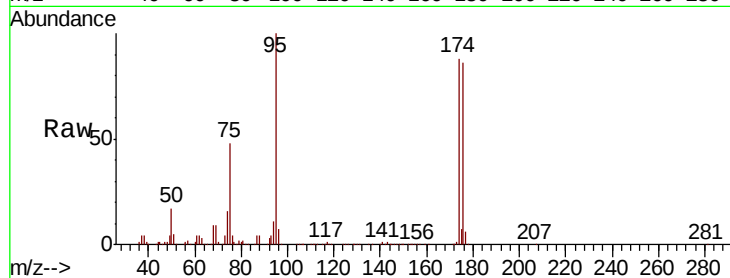
Tot Ion: 75 Resp: 296518

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

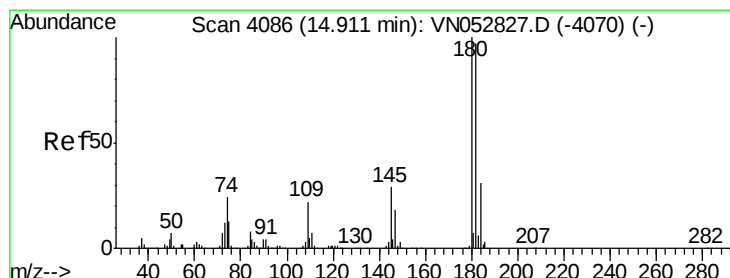
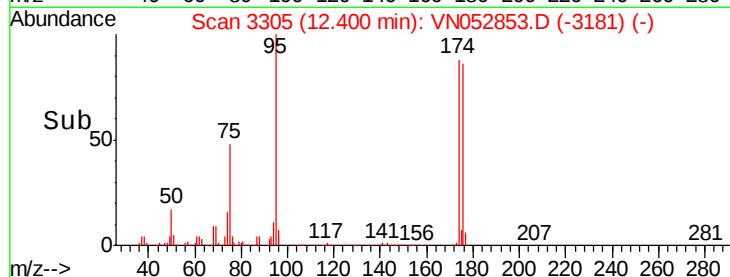
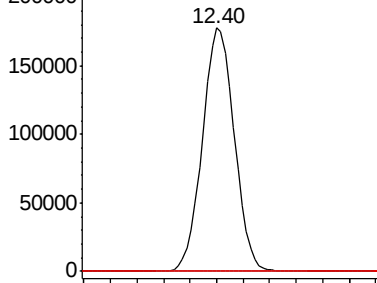
89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VN052827.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN052827.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN052827.D (-3265) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.486 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. -0.00 min

Lab File: VN052853.D

Acq: 13 Dec 2018 10:14

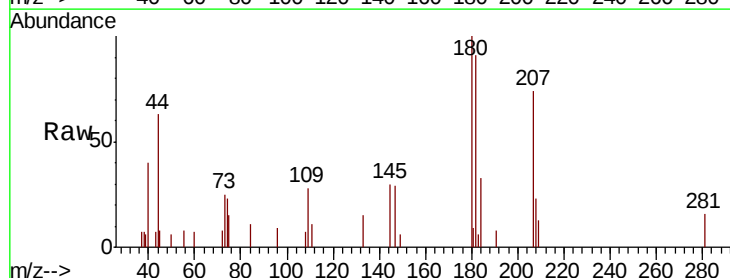
Tgt Ion: 180 Resp: 4350

Ion Ratio Lower Upper

180 100

182 101.8 47.8 143.3

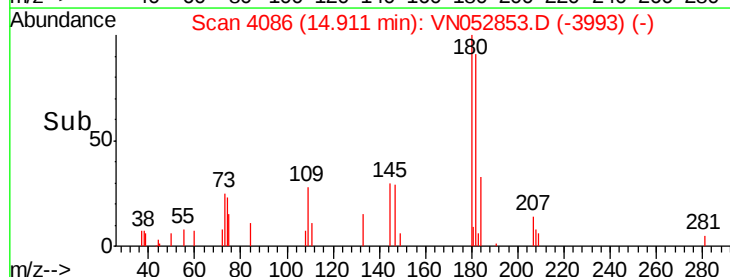
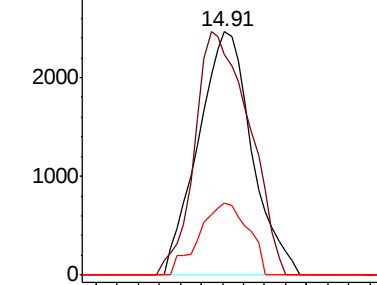
145 27.0 14.2 42.6

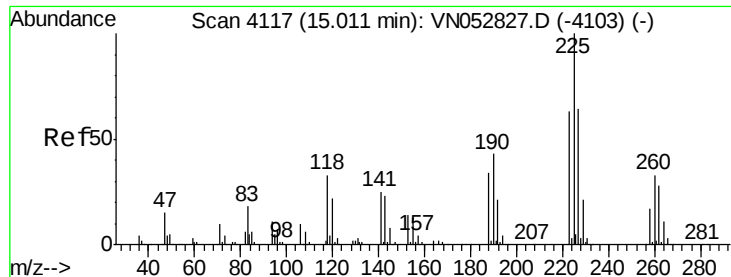


Abundance Ion 179.80 (179.50 to 180.50): VN052827.D (-4070) (-)

Ion 181.80 (181.50 to 182.50): VN052827.D (-4070) (-)

Ion 144.80 (144.50 to 145.50): VN052827.D (-4070) (-)





#94

Hexachlorobutadiene

Concen: 0.850 ug/l

RT: 15.01 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN052853.D

Acq: 13 Dec 2018 10:14

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBL01

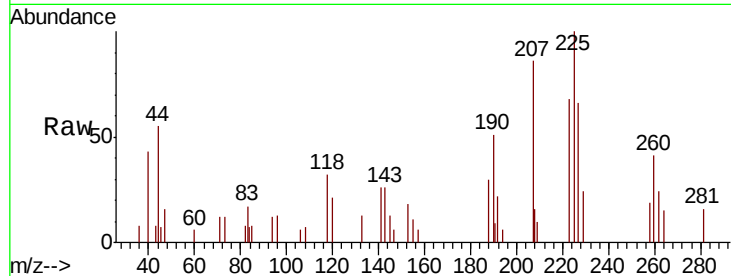
Tot Ion:225 Resp: 4406

Ion Ratio Lower Upper

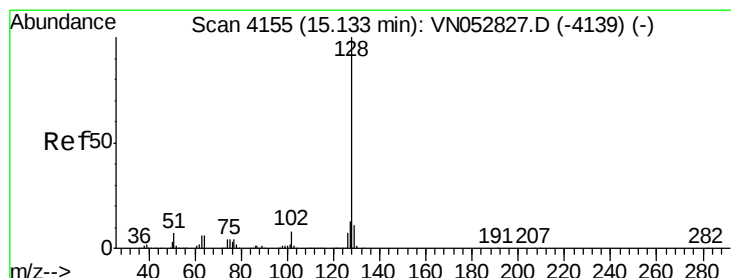
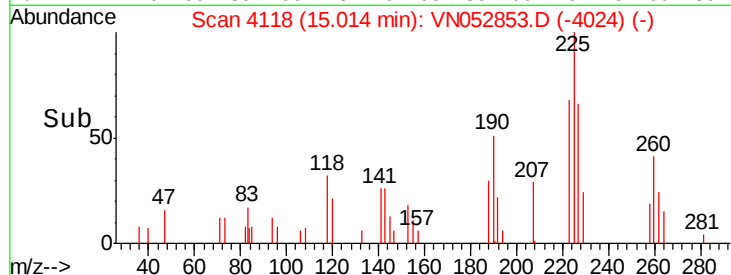
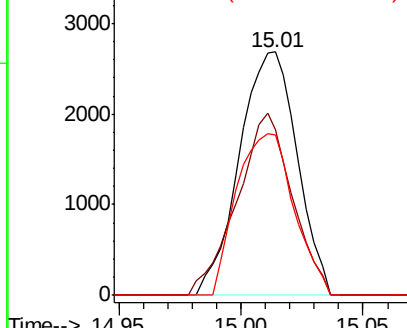
225 100

223 71.2 31.5 94.5

227 66.0 31.9 95.7



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.695 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052853.D

Acq: 13 Dec 2018 10:14

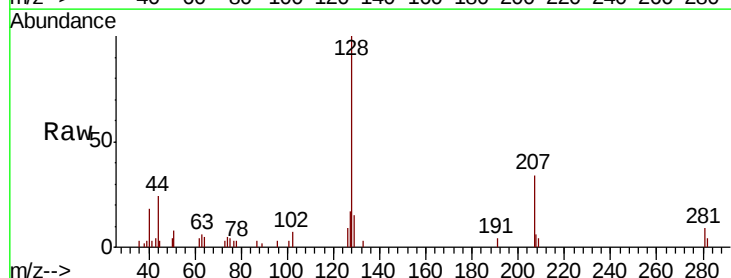
Tgt Ion:128 Resp: 12894

Ion Ratio Lower Upper

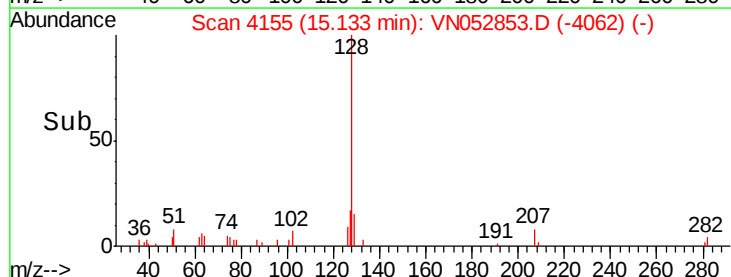
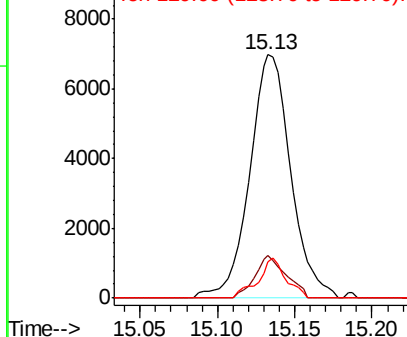
128 100

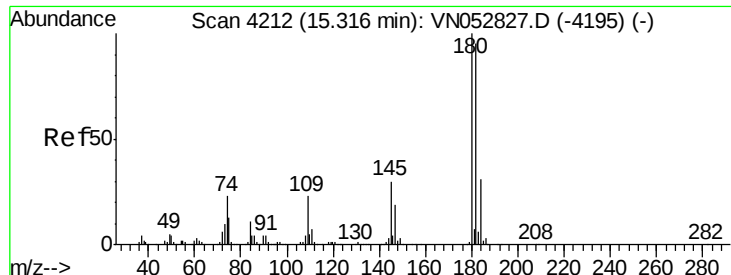
127 13.3 10.2 15.4

129 11.1 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

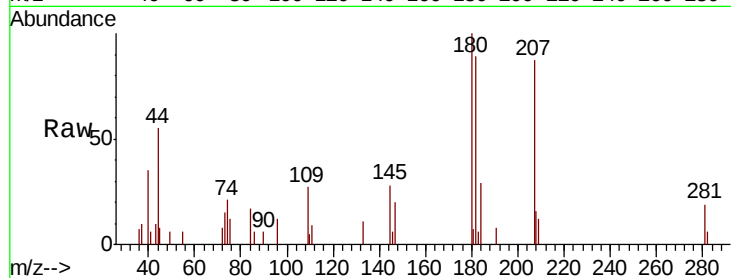




#96
 1,2,3-Trichlorobenzene
 Concen: 0.614 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN052853.D
 Acq: 13 Dec 2018 10:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.9	143.7
145	30.2	15.0	45.0



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

