

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091318\
 Data File : VN051158.D
 Acq On : 13 Sep 2018 8:59
 Operator : MD\SY
 Sample : VN0913WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBL01

Quant Time: Sep 14 01:03:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	594889	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	919941	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	794960	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	264270	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	369812	55.86	ug/l	0.00
Spiked Amount			Recovery	=	111.72%	
35) Dibromofluoromethane	7.59	113	357405	51.70	ug/l	0.00
Spiked Amount			Recovery	=	103.40%	
50) Toluene-d8	10.09	98	1277780	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	
62) 4-Bromofluorobenzene	12.40	95	342761	39.50	ug/l	0.00
Spiked Amount			Recovery	=	79.00%	

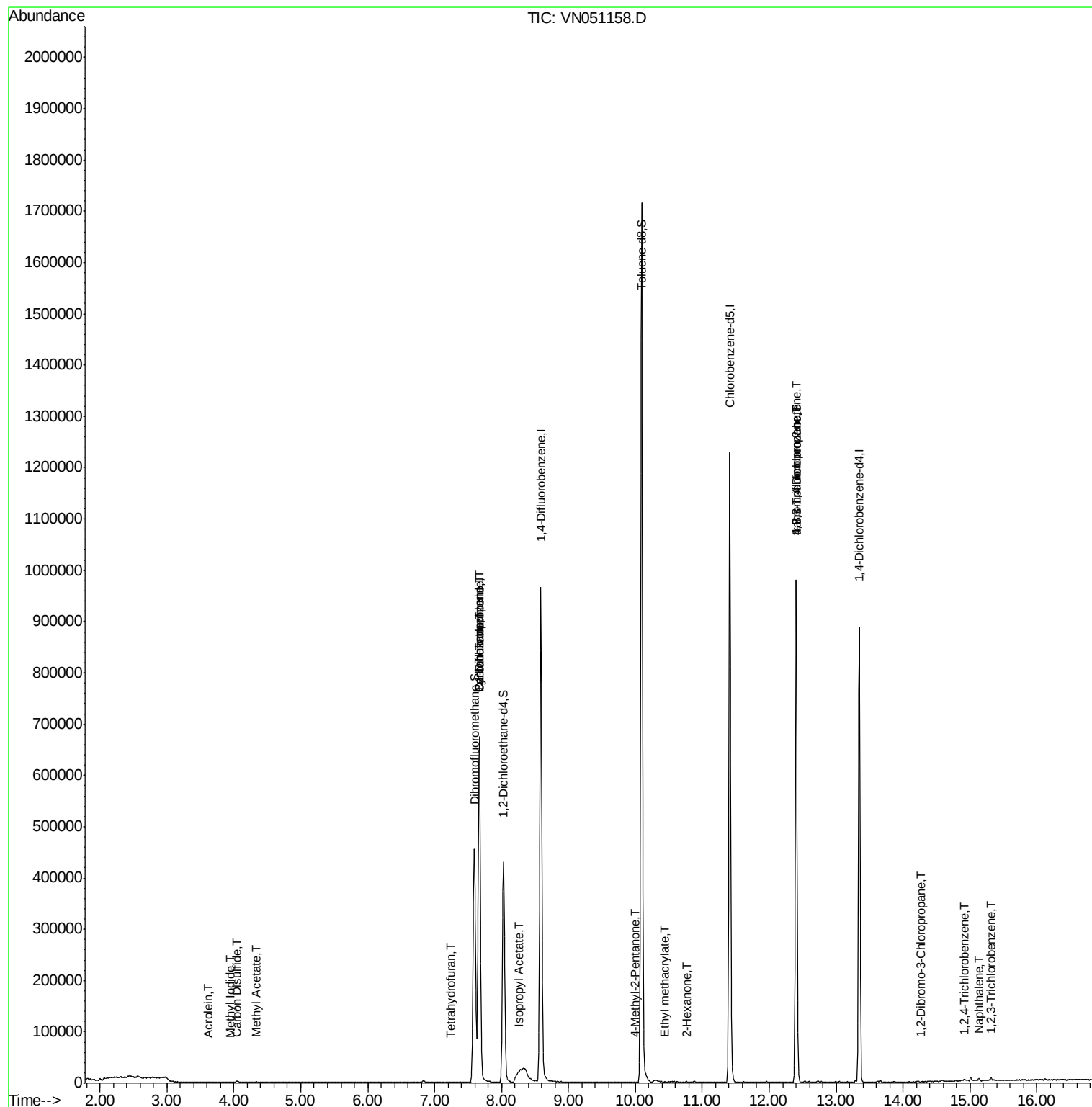
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2485	Below Cal		98
5) Bromomethane	2.56	94	2494	Below Cal		97
10) Methyl Iodide	3.95	142	61	5.64	ug/l #	44
13) Acrolein	3.61	56	97	24.42	ug/l #	13
16) Acetone	3.81	43	542	Below Cal		97
17) Carbon Disulfide	4.04	76	1821	0.21	ug/l	98
18) Methyl Acetate	4.33	43	1700	0.32	ug/l #	86
29) Tetrahydrofuran	7.22	42	976	0.60	ug/l #	36
31) Cyclohexane	7.67	56	10189	0.71	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	38591	3.82	ug/l #	48
38) Carbon Tetrachloride	7.67	117	51639	5.19	ug/l #	16
43) Isopropyl Acetate	8.25	43	19892	1.93	ug/l #	50
51) 4-Methyl-2-Pentanone	9.99	43	1680	0.29	ug/l #	34
56) Ethyl methacrylate	10.44	69	67	2.46	ug/l #	68
59) 2-Hexanone	10.75	43	966	0.25	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.50	83	438	Below Cal	#	41
76) 1,2,3-Trichloropropane	12.40	75	157898	38.19	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	157898	113.47	ug/l #	15
92) 1,2-Dibromo-3-Chloropropan	14.26	75	33	0.70	ug/l #	20
93) 1,2,4-Trichlorobenzene	14.91	180	1444	4.26	ug/l	91
94) Hexachlorobutadiene	15.01	225	1458	Below Cal		85
95) Naphthalene	15.13	128	4687	5.76	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.32	180	1891	3.34	ug/l #	80

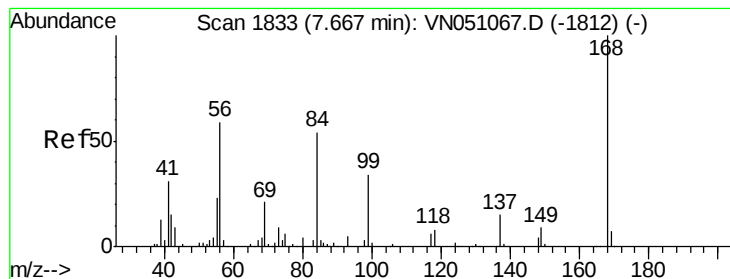
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091318\
Data File : VN051158.D
Acq On : 13 Sep 2018 8:59
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Sample : VN0913WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBL01

Quant Time: Sep 14 01:03:25 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 11 02:27:09 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051158.D

Acq: 13 Sep 2018 8:59

Instrument :

MSVOA_N

ClientSampled :

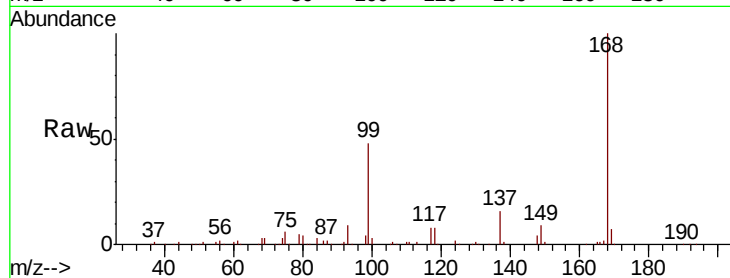
VN0913WBL01

Tot Ion:168 Resp: 594889

Ion Ratio Lower Upper

168 100

99 48.4 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

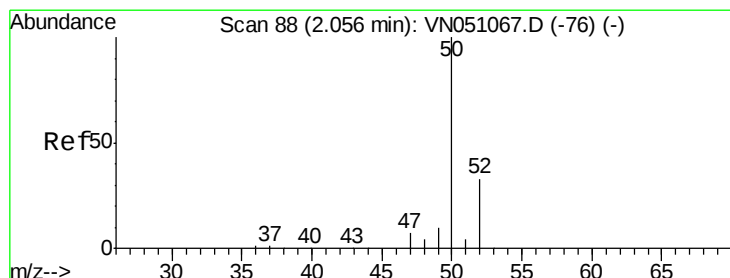
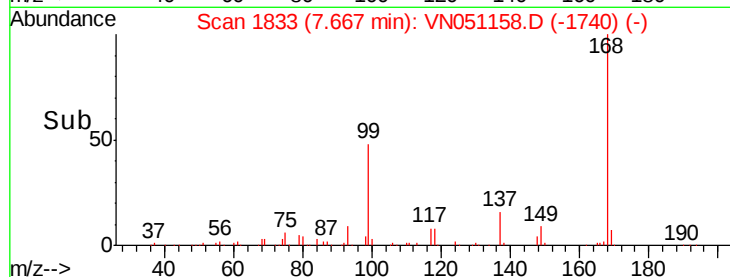
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051158.D

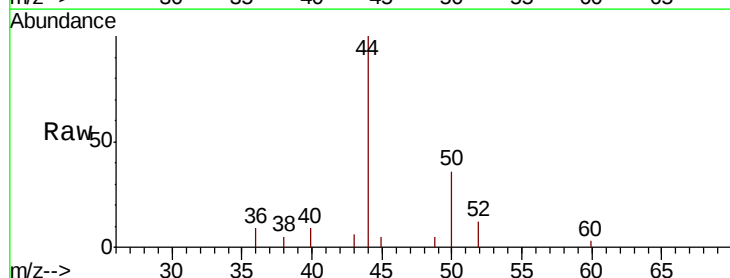
Acq: 13 Sep 2018 8:59

Tgt Ion: 50 Resp: 2485

Ion Ratio Lower Upper

50 100

52 33.7 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

2000

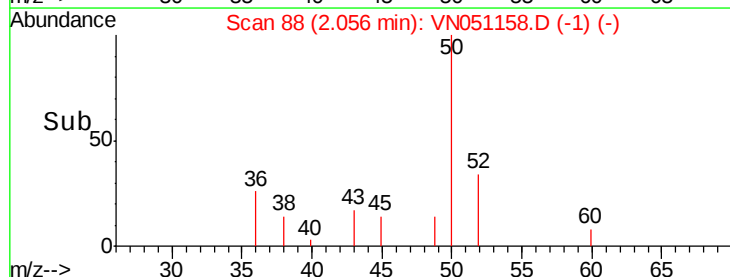
1500

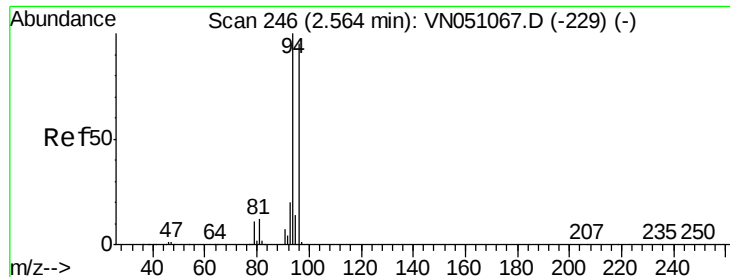
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN051158.D

Acq: 13 Sep 2018 8:59

Instrument :

MSVOA_N

ClientSampled :

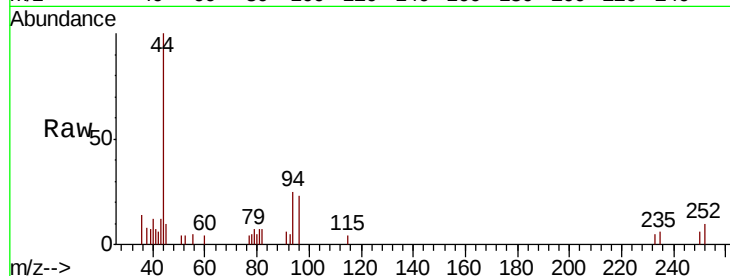
VN0913WBL01

Tot Ion: 94 Resp: 2494

Ion Ratio Lower Upper

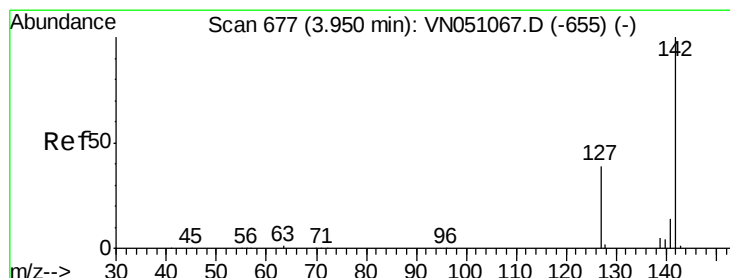
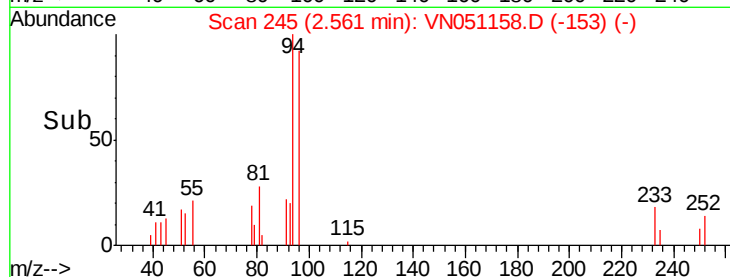
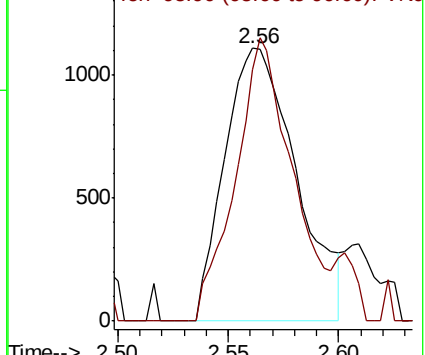
94 100

96 92.2 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#10

Methyl Iodide

Concen: 5.64 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN051158.D

Acq: 13 Sep 2018 8:59

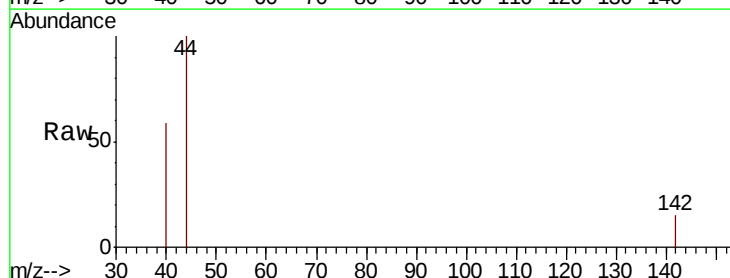
Tgt Ion: 142 Resp: 61

Ion Ratio Lower Upper

142 100

127 0.0 31.0 46.4#

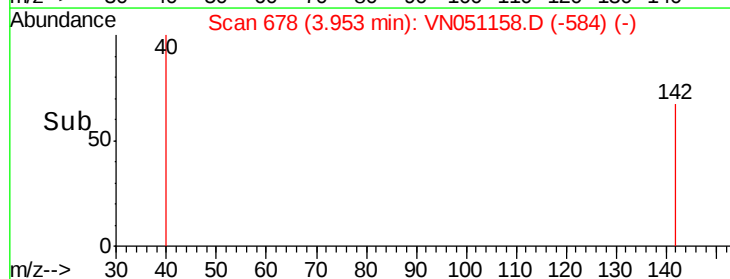
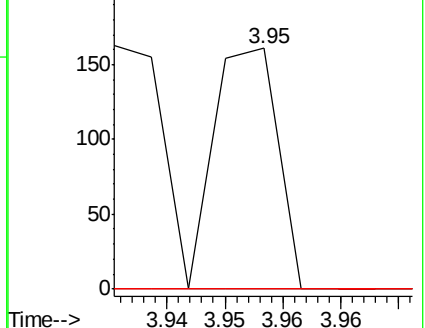
141 0.0 11.3 16.9#

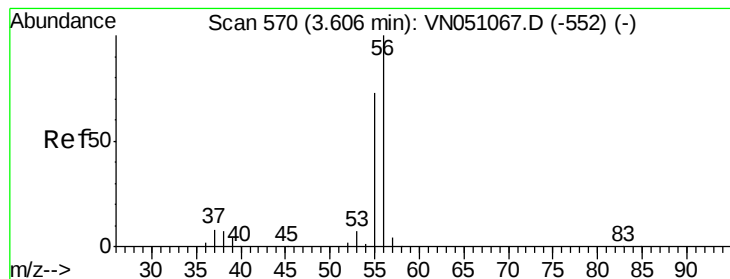


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 24.42 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051158.D

Acq: 13 Sep 2018 8:59

Instrument :

MSVOA_N

ClientSampleId :

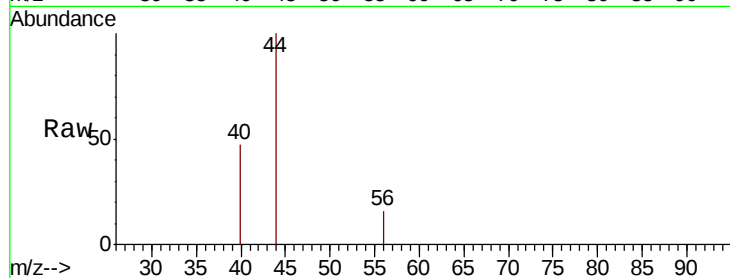
VN0913WBL01

Tot Ion: 56 Resp: 97

Ion Ratio Lower Upper

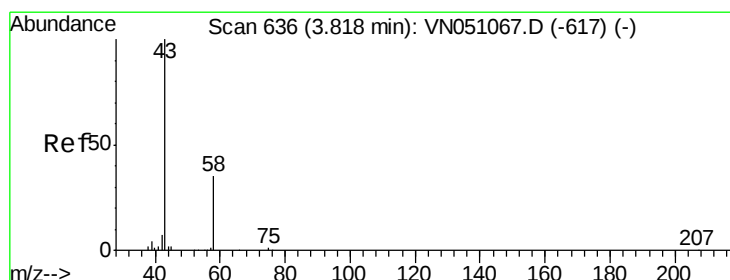
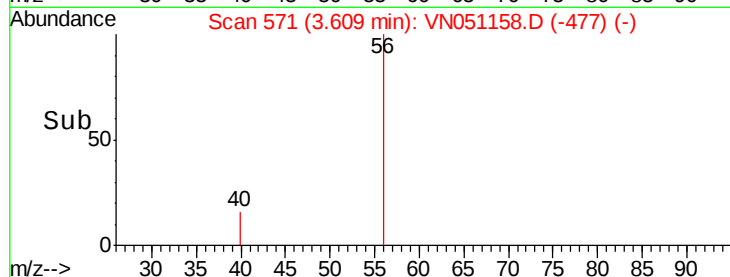
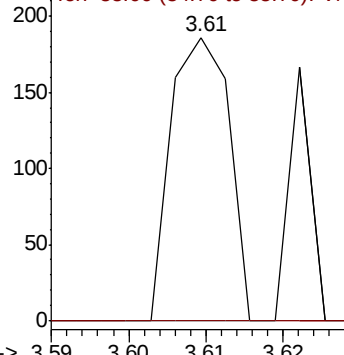
56 100

55 0.0 58.0 87.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: Below Cal

RT: 3.81 min Scan# 634

Delta R.T. -0.01 min

Lab File: VN051158.D

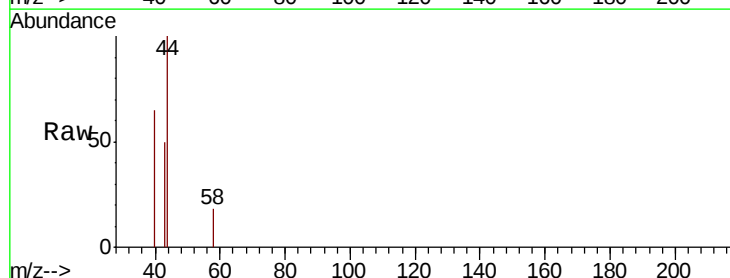
Acq: 13 Sep 2018 8:59

Tgt Ion: 43 Resp: 542

Ion Ratio Lower Upper

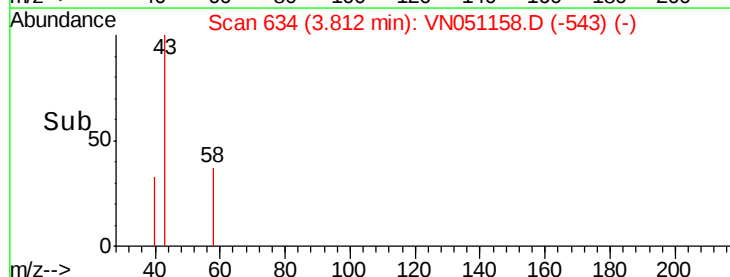
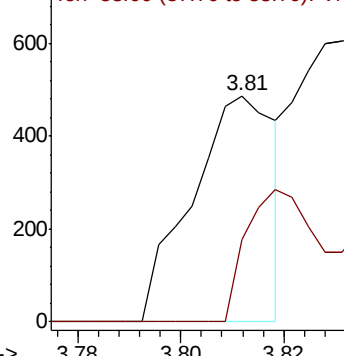
43 100

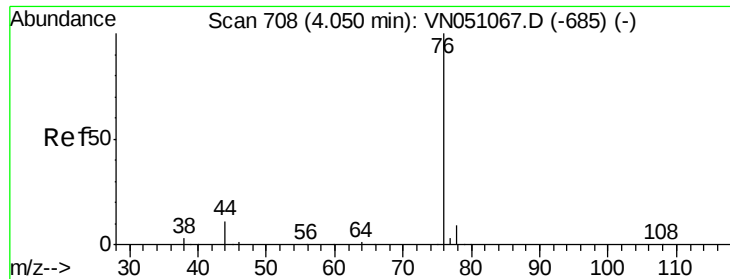
58 36.6 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

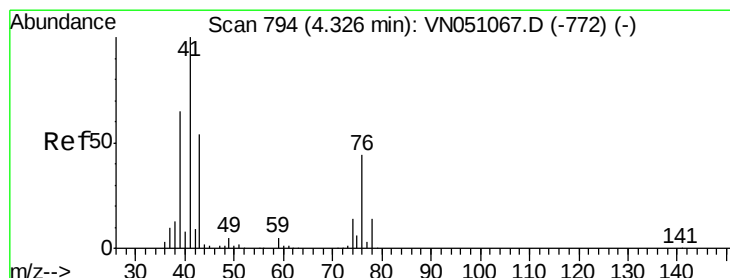
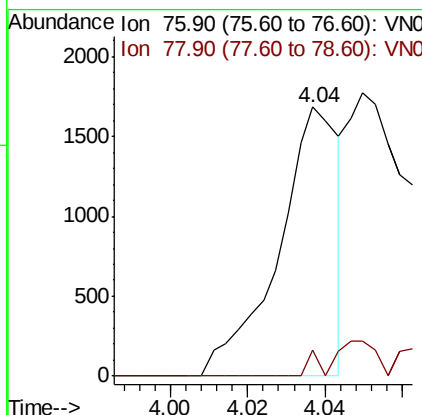
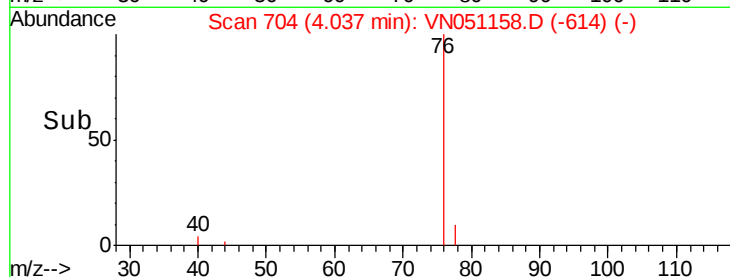
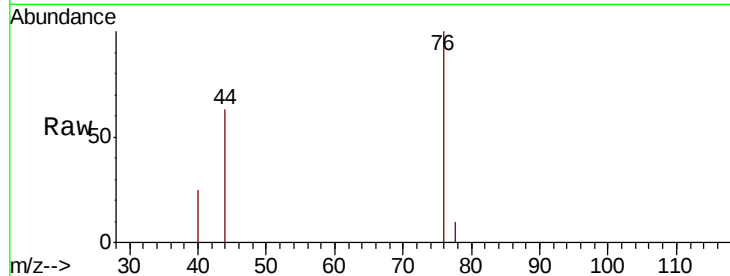




#17
Carbon Disulfide
Concen: 0.21 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.01 min
Lab File: VN051158.D
Acq: 13 Sep 2018 8:59

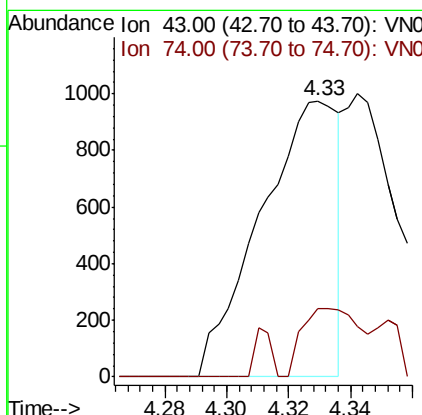
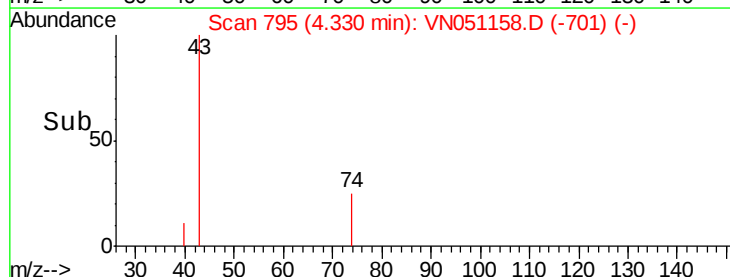
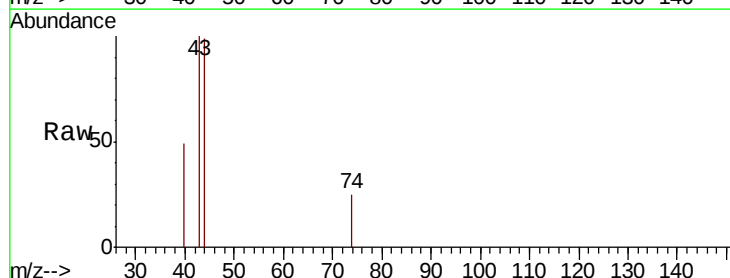
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBL01

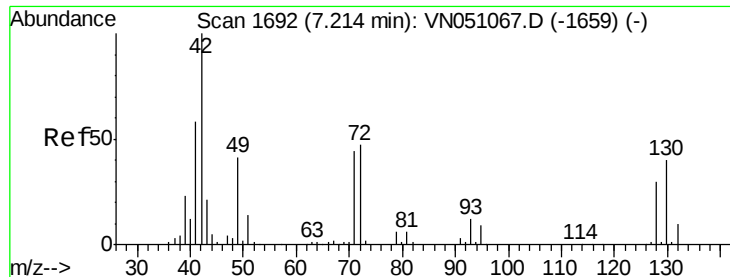
Tot Ion: 76 Resp: 1821
Ion Ratio Lower Upper
76 100
78 9.5 7.0 10.6



#18
Methyl Acetate
Concen: 0.32 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051158.D
Acq: 13 Sep 2018 8:59

Tgt Ion: 43 Resp: 1700
Ion Ratio Lower Upper
43 100
74 18.5 20.7 31.1#





#29

Tetrahydrofuran

Concen: 0.60 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.01 min

Lab File: VN051158.D

Acq: 13 Sep 2018 8:59

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBL01

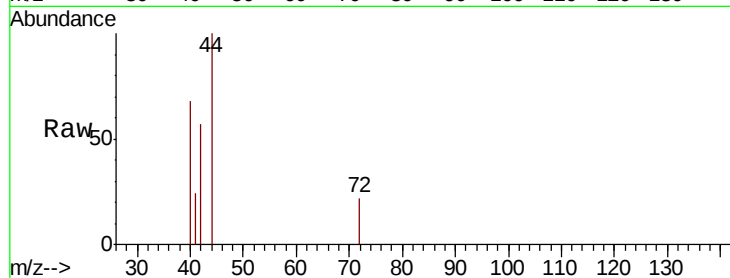
Tot Ion: 42 Resp: 976

Ion Ratio Lower Upper

42 100

72 6.8 37.4 56.0#

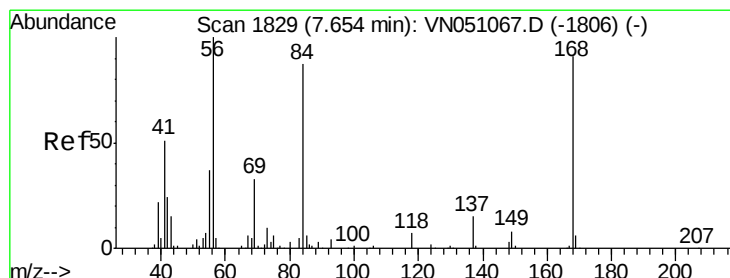
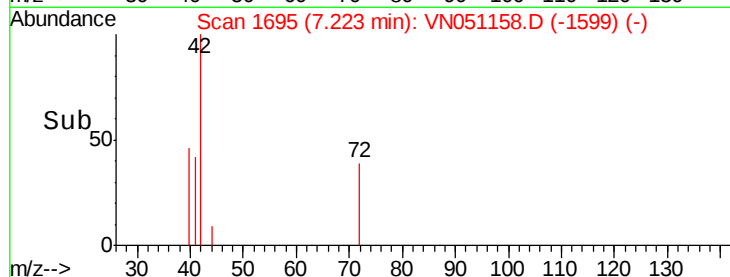
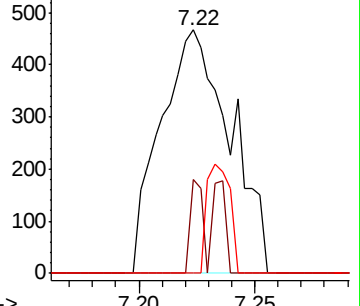
71 0.0 34.7 52.1#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 0.71 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN051158.D

Acq: 13 Sep 2018 8:59

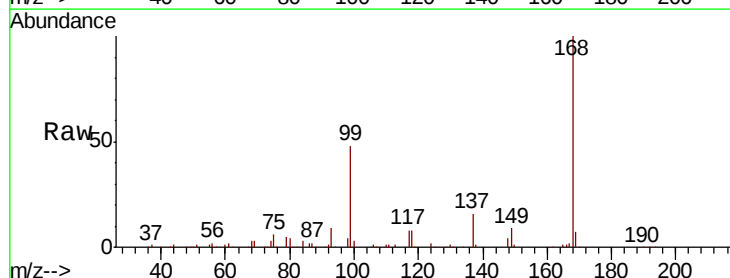
Tgt Ion: 56 Resp: 10189

Ion Ratio Lower Upper

56 100

69 196.9 26.3 39.5#

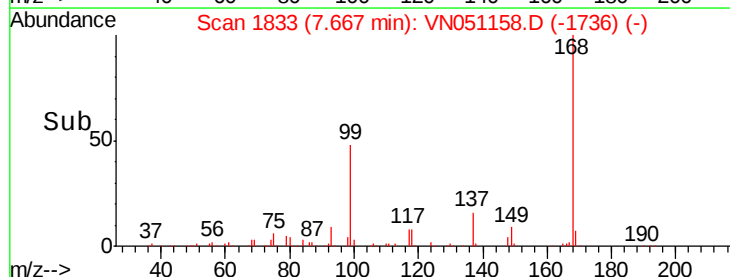
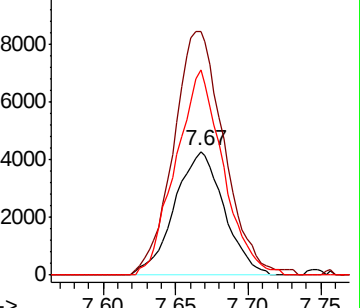
84 166.7 69.4 104.0#

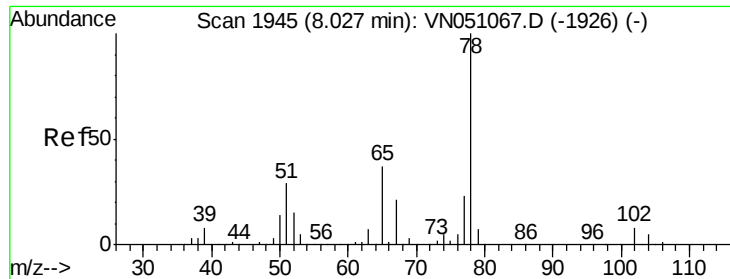


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

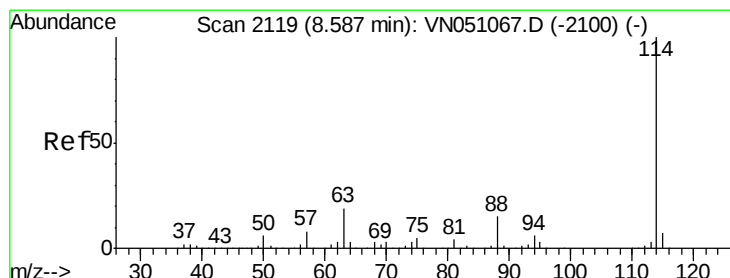
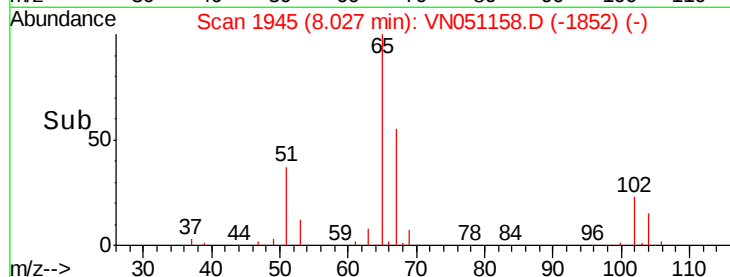
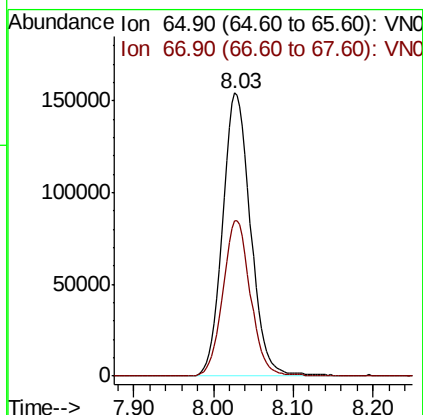
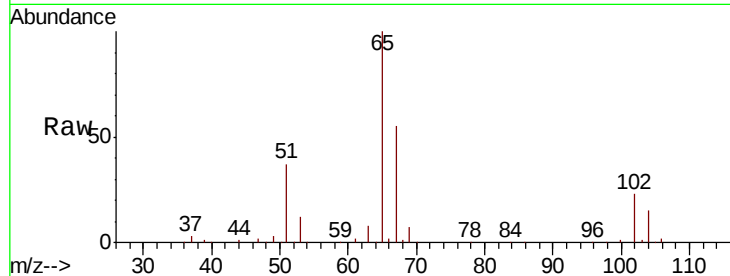




#33
 1,2-Dichloroethane-d4
 Concen: 55.86 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051158.D
 Acq: 13 Sep 2018 8:59

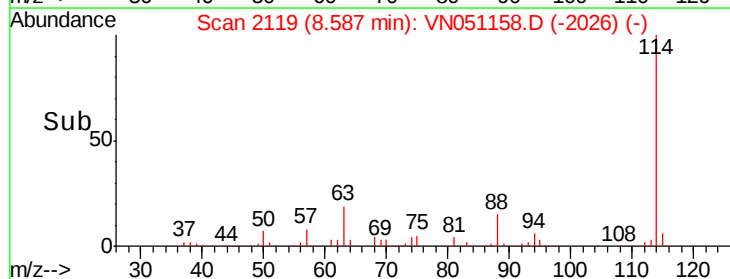
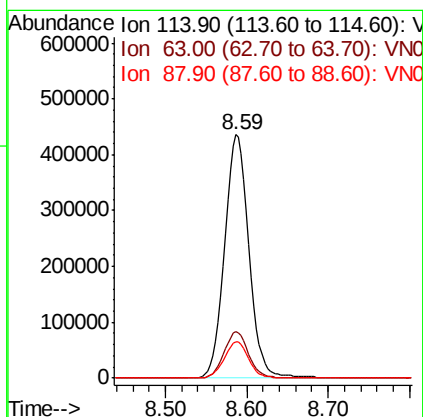
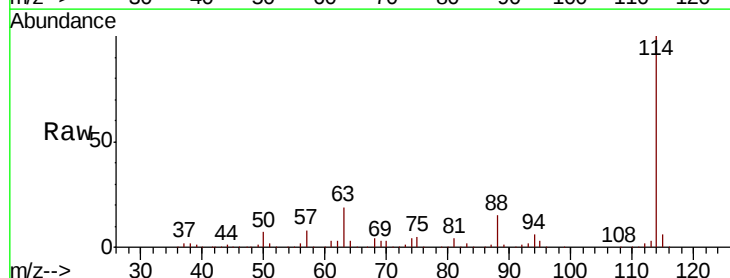
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBL01

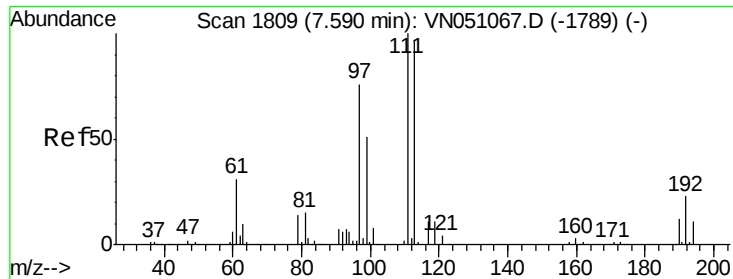
Tot Ion: 65 Resp: 369812
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051158.D
 Acq: 13 Sep 2018 8:59

Tgt Ion: 114 Resp: 919941
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 37.8
 88 15.1 0.0 30.8

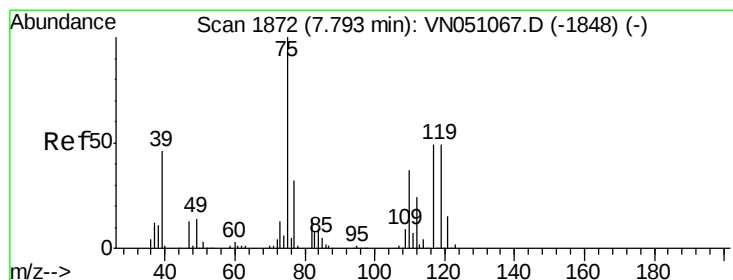
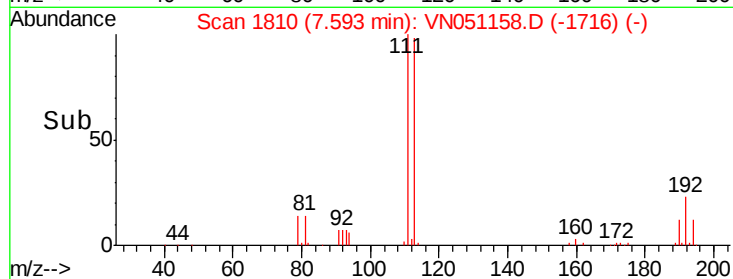
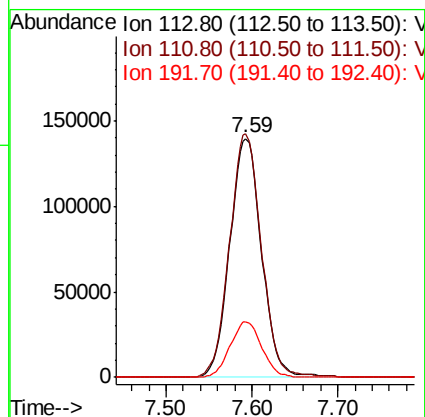
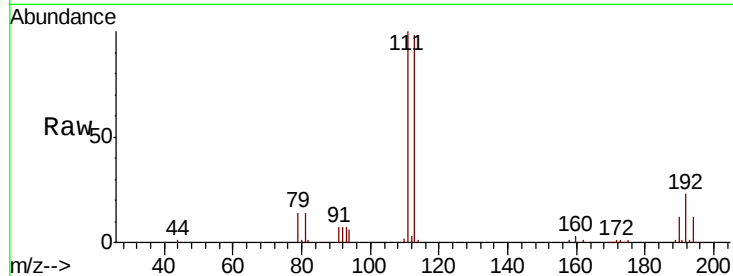




#35
 Dibromofluoromethane
 Concen: 51.70 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051158.D
 Acq: 13 Sep 2018 8:59

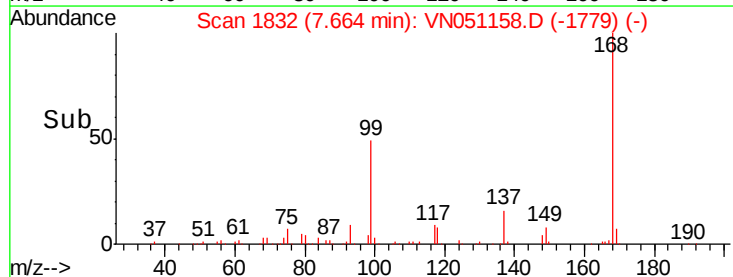
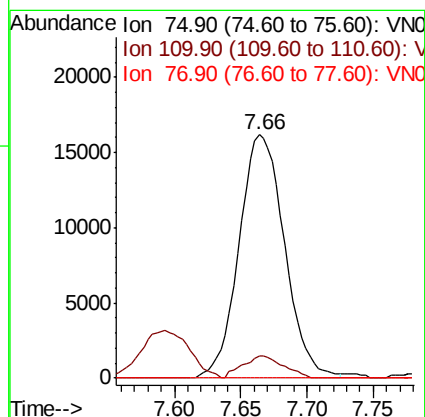
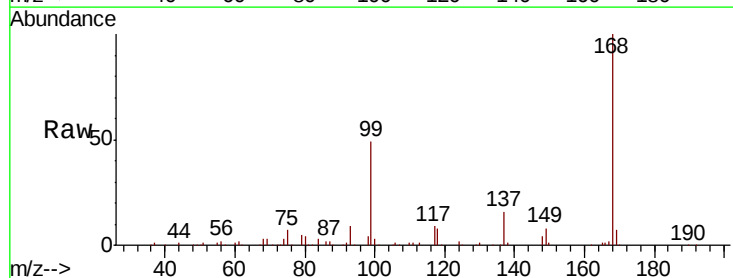
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBL01

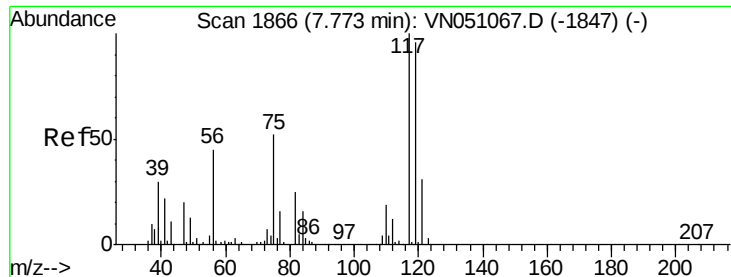
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.0	124.6
192	23.3	18.7	28.1



#36
 1,1-Dichloropropene
 Concen: 3.82 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN051158.D
 Acq: 13 Sep 2018 8:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	18.6	55.8#
77	0.0	25.2	37.8#





#38

Carbon Tetrachloride

Concen: 5.19 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051158.D

Acq: 13 Sep 2018 8:59

Instrument :

MSVOA_N

ClientSampled :

VN0913WBL01

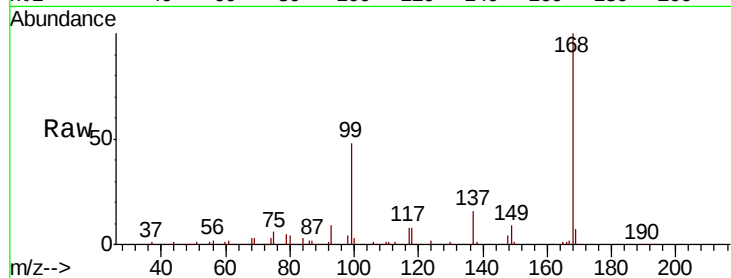
Tot Ion:117 Resp: 51639

Ion Ratio Lower Upper

117 100

119 5.5 76.8 115.2#

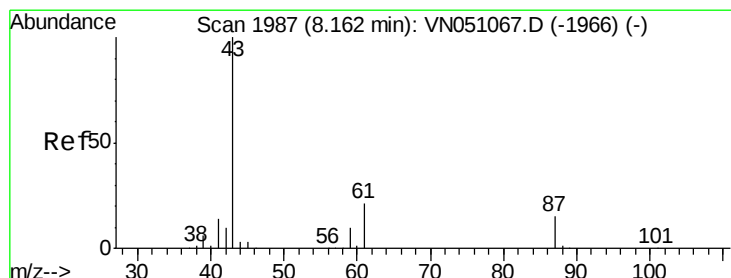
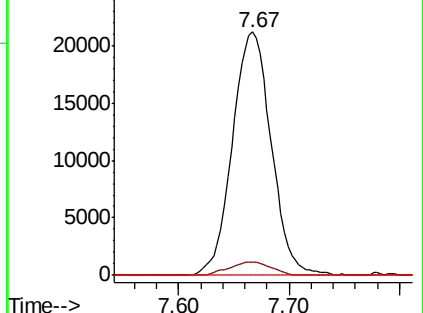
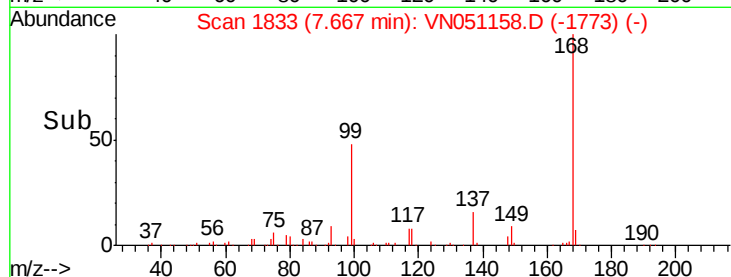
121 0.0 24.6 36.8#



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: 1.93 ug/l

RT: 8.25 min Scan# 2015

Delta R.T. 0.09 min

Lab File: VN051158.D

Acq: 13 Sep 2018 8:59

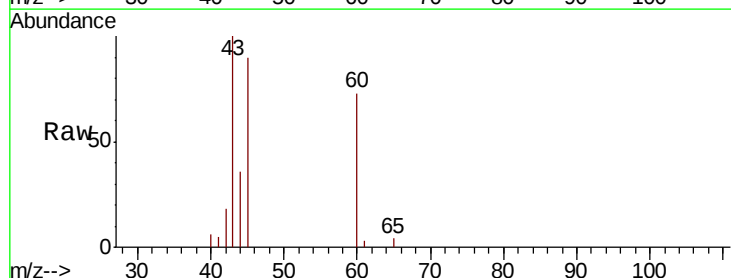
Tgt Ion: 43 Resp: 19892

Ion Ratio Lower Upper

43 100

61 0.0 25.0 37.6#

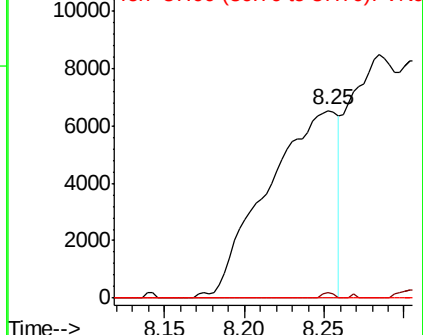
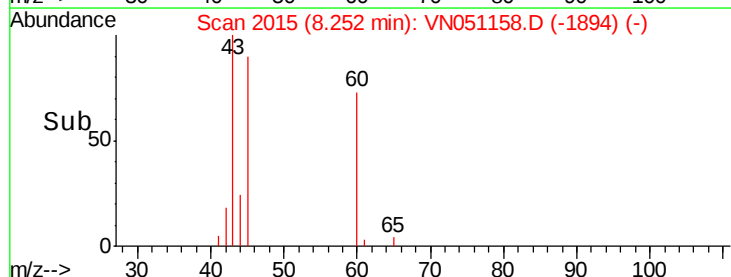
87 0.0 11.8 17.8#

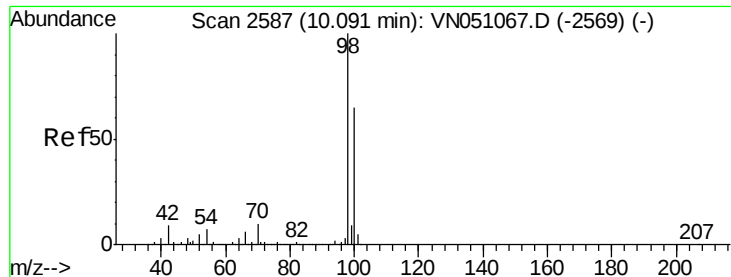


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: 48.71 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051158.D

Acq: 13 Sep 2018 8:59

Instrument :

MSVOA_N

ClientSampleId :

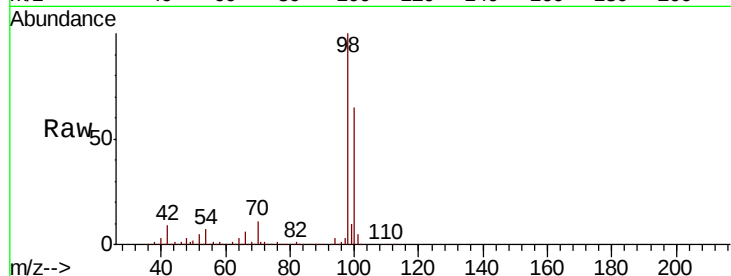
VN0913WBL01

Tot Ion: 98 Resp: 1277780

Ion Ratio Lower Upper

98 100

100 64.1 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN051067.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN051067.D (-2569) (-)

10.09

600000

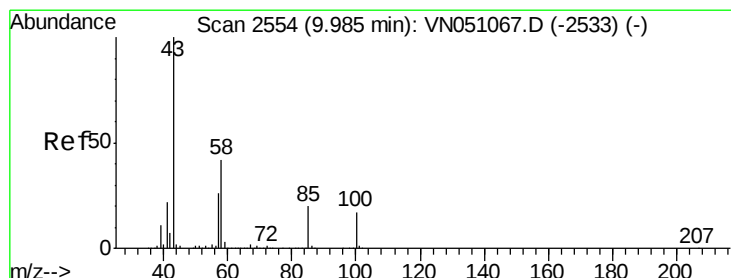
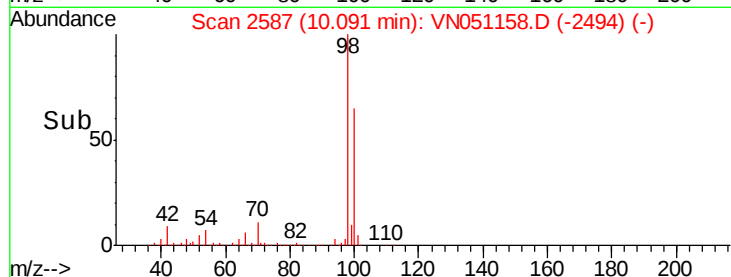
400000

200000

0

Time-->

10.00 10.10 10.20 10.30



#51

4-Methyl-2-Pentanone

Concen: 0.29 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN051158.D

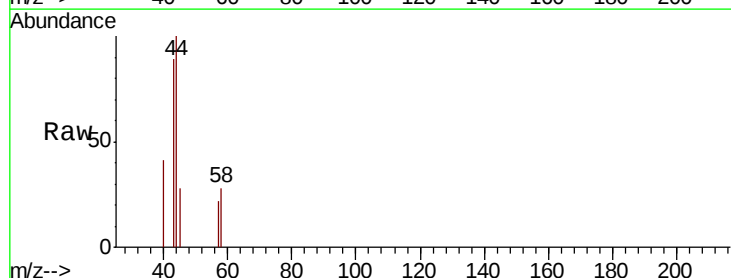
Acq: 13 Sep 2018 8:59

Tgt Ion: 43 Resp: 1680

Ion Ratio Lower Upper

43 100

58 0.0 33.5 50.3#



Abundance Ion 43.00 (42.70 to 43.70): VN051067.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN051067.D (-2533) (-)

9.99

800

600

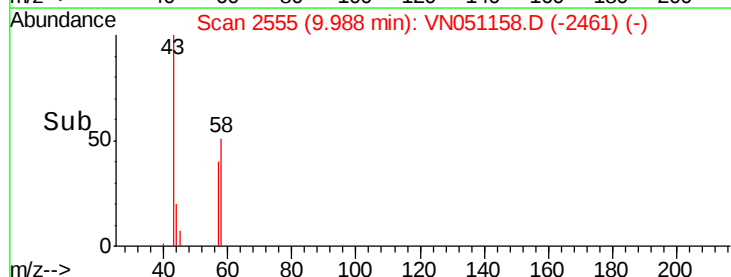
400

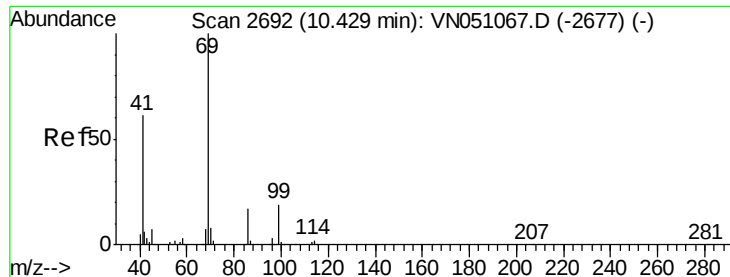
200

0

Time-->

9.95 10.00





#56

Ethyl methacrylate

Concen: 2.46 ug/l

RT: 10.44 min Scan# 2696

Delta R.T. 0.01 min

Lab File: VN051158.D

Acq: 13 Sep 2018 8:59

Instrument :

MSVOA_N

ClientSampled :

VN0913WBL01

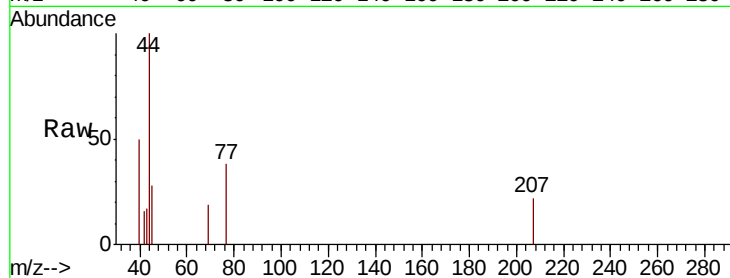
Tot Ion: 69 Resp: 67

Ion Ratio Lower Upper

69 100

41 43.3 47.8 71.8#

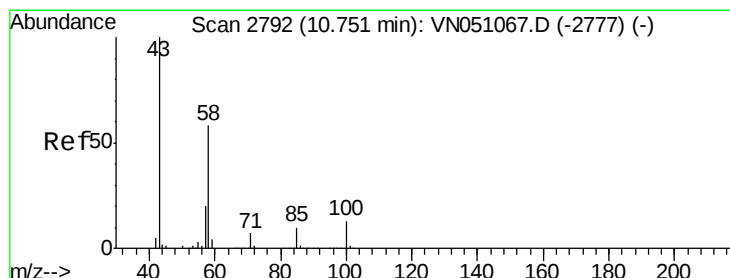
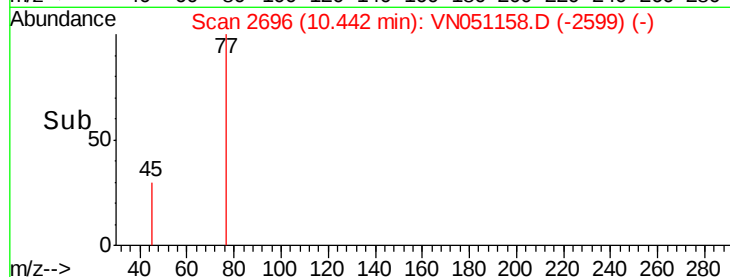
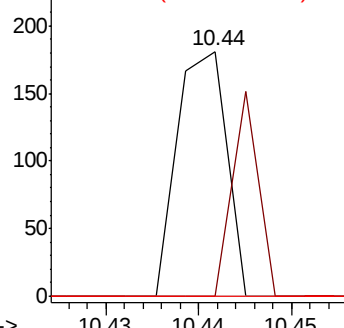
39 0.0 23.0 34.4#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#59

2-Hexanone

Concen: 0.25 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN051158.D

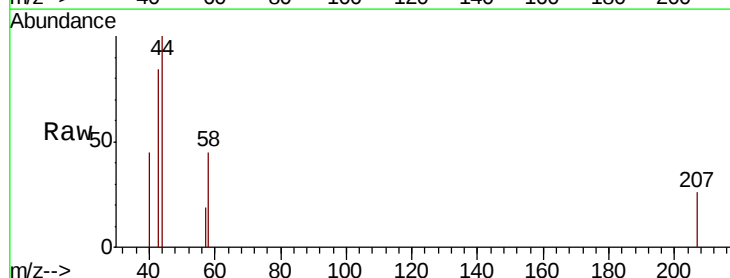
Acq: 13 Sep 2018 8:59

Tgt Ion: 43 Resp: 966

Ion Ratio Lower Upper

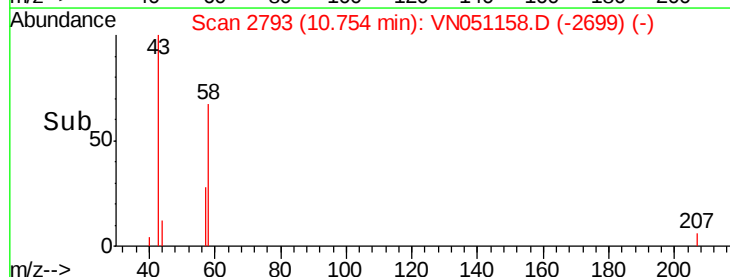
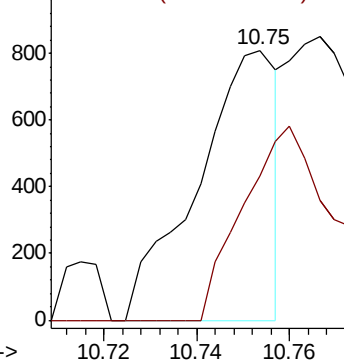
43 100

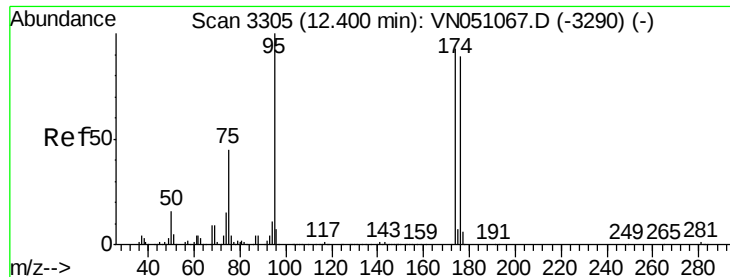
58 93.8 29.3 88.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

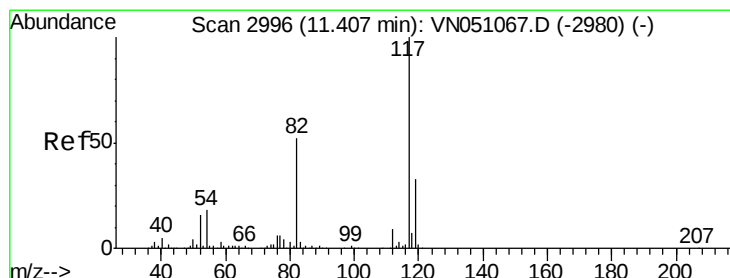
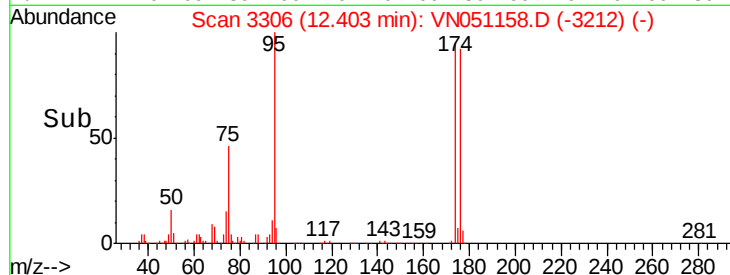
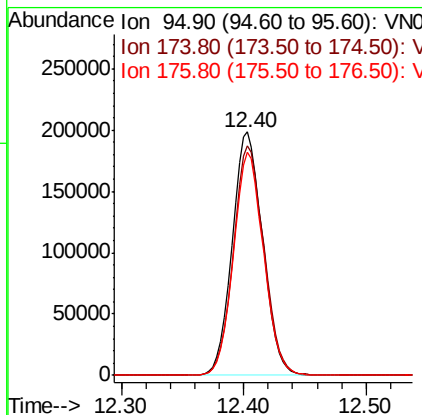
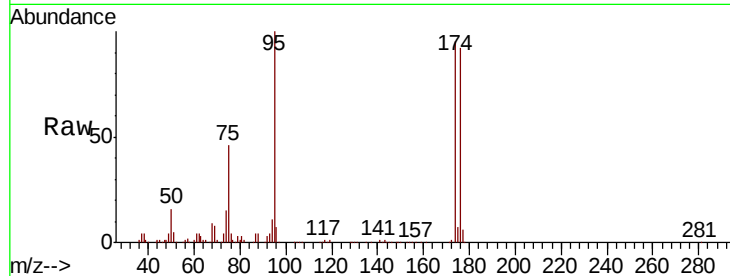




#62
4-Bromofluorobenzene
Concen: 39.50 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051158.D
Acq: 13 Sep 2018 8:59

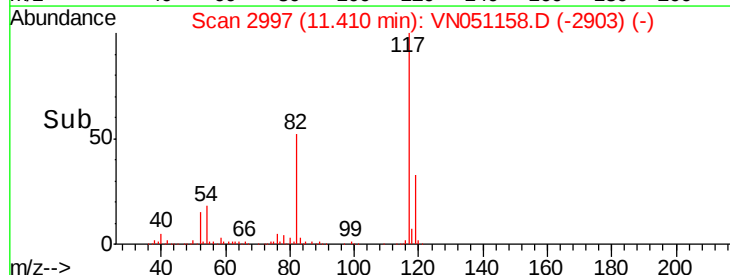
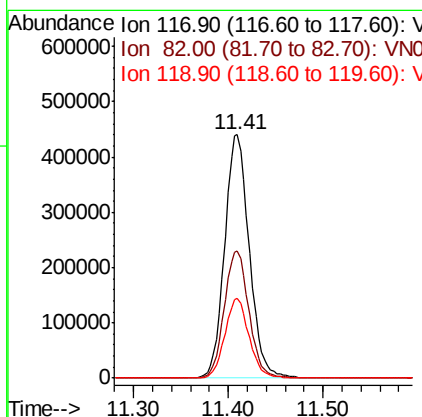
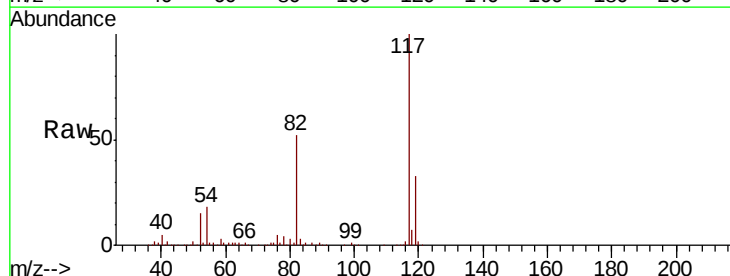
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBL01

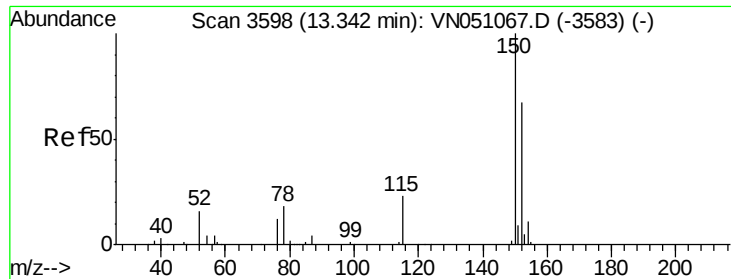
Tot Ion: 95 Resp: 342761
Ion Ratio Lower Upper
95 100
174 94.7 0.0 184.8
176 90.5 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051158.D
Acq: 13 Sep 2018 8:59

Tgt Ion: 117 Resp: 794960
Ion Ratio Lower Upper
117 100
82 52.1 41.8 62.6
119 32.5 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051158.D

Acq: 13 Sep 2018 8:59

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBL01

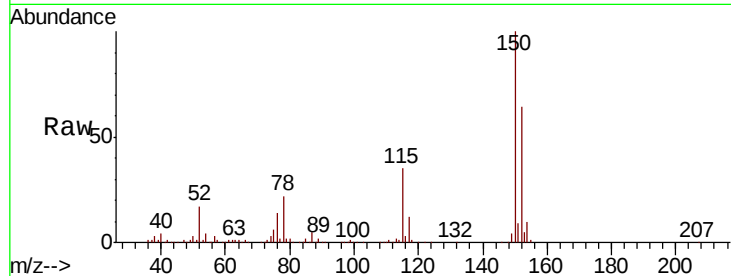
Tot Ion:152 Resp: 264270

Ion Ratio Lower Upper

152 100

115 55.3 28.2 84.7

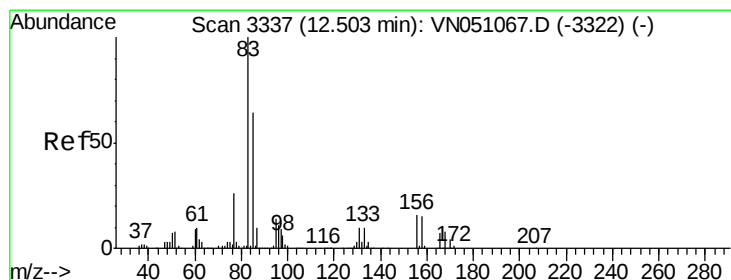
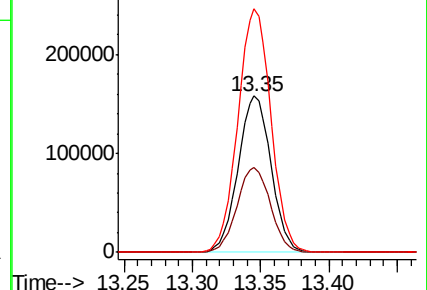
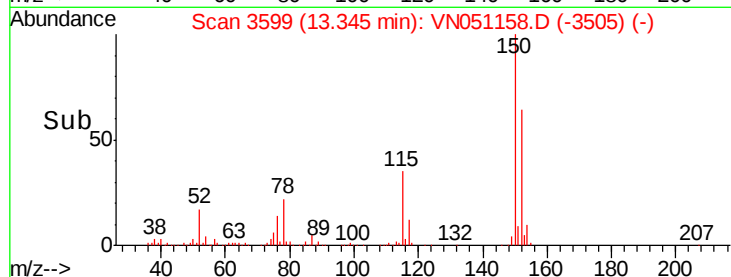
150 156.6 0.0 349.0



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



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051158.D

Acq: 13 Sep 2018 8:59

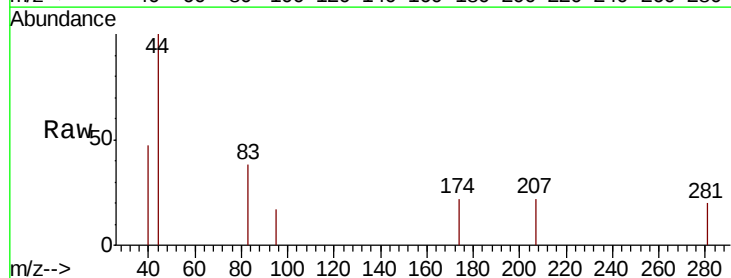
Tgt Ion: 83 Resp: 438

Ion Ratio Lower Upper

83 100

131 0.0 5.3 16.1#

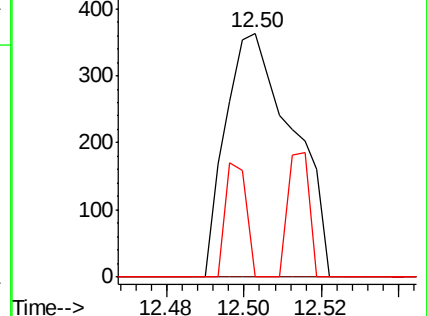
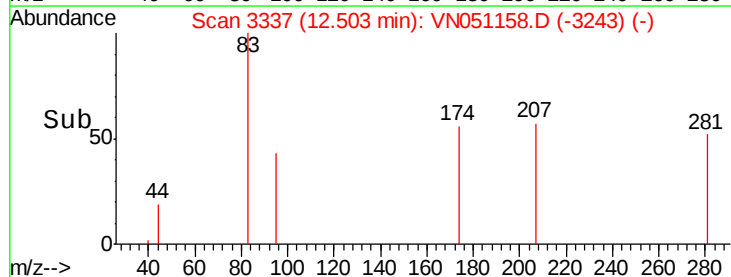
85 14.4 32.3 96.8#

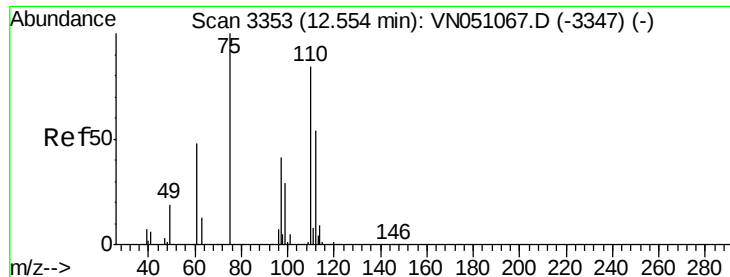


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 38.19 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051158.D

Acq: 13 Sep 2018 8:59

Instrument :

MSVOA_N

ClientSampleId :

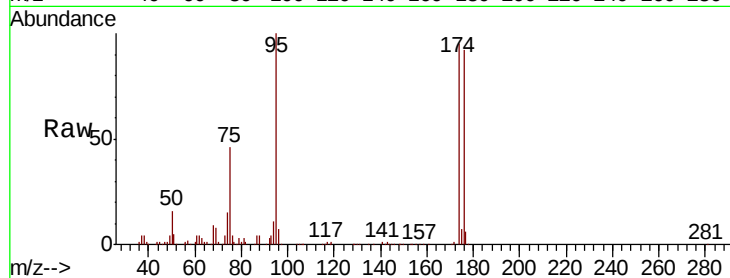
VN0913WBL01

Tot Ion: 75 Resp: 157898

Ion Ratio Lower Upper

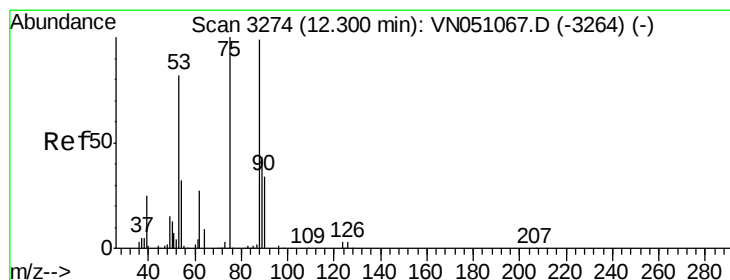
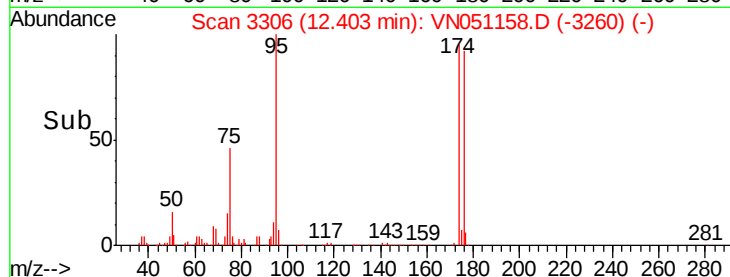
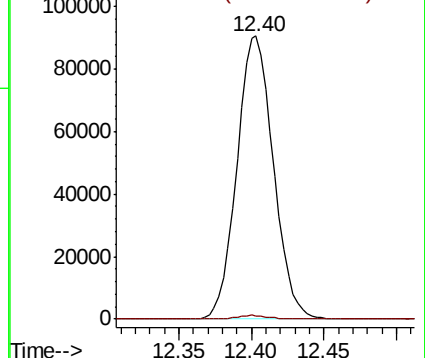
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 113.47 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051158.D

Acq: 13 Sep 2018 8:59

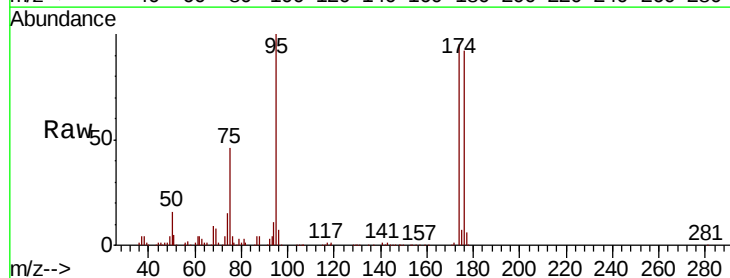
Tgt Ion: 75 Resp: 157898

Ion Ratio Lower Upper

75 100

53 0.0 67.8 101.8#

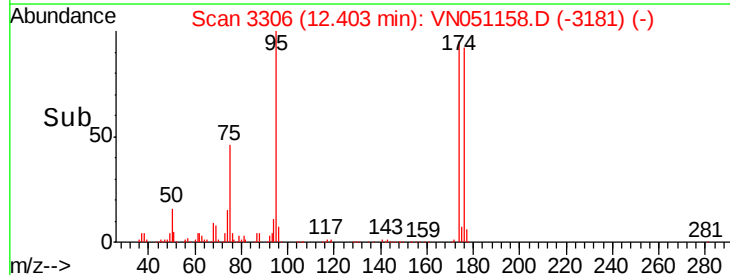
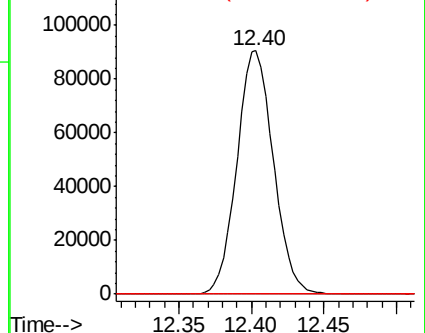
89 0.0 36.0 54.0#

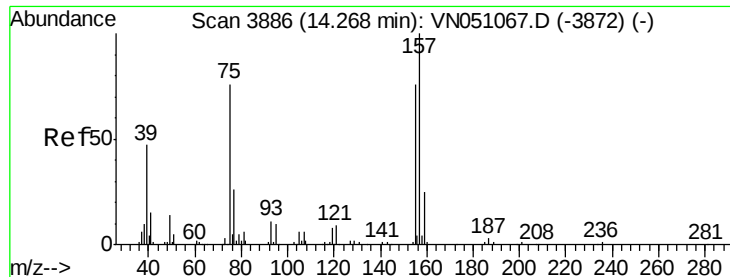


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

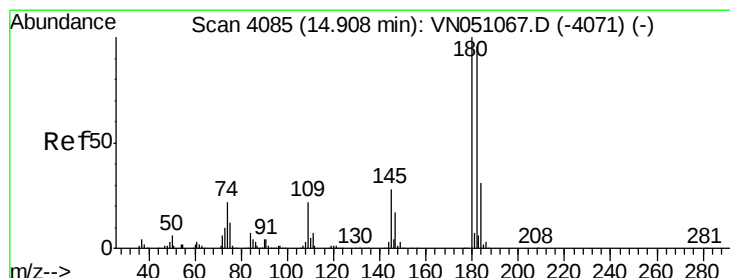
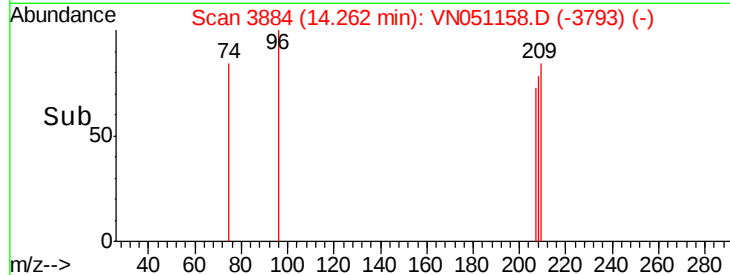
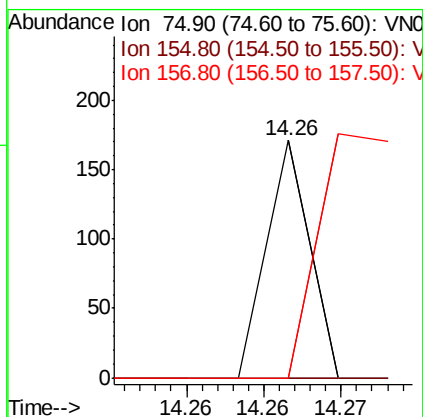
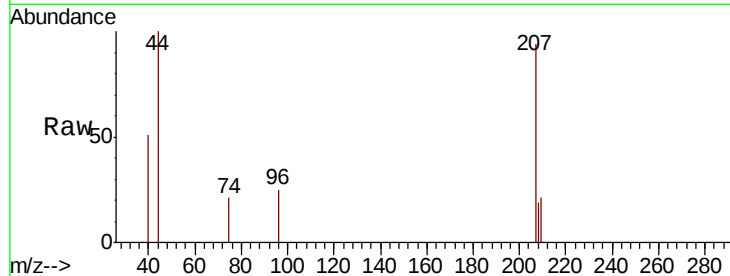




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.70 ug/l
 RT: 14.26 min Scan# 3884
 Delta R.T. -0.01 min
 Lab File: VN051158.D
 Acq: 13 Sep 2018 8:59

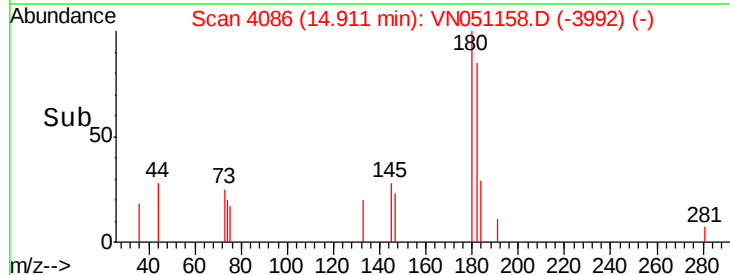
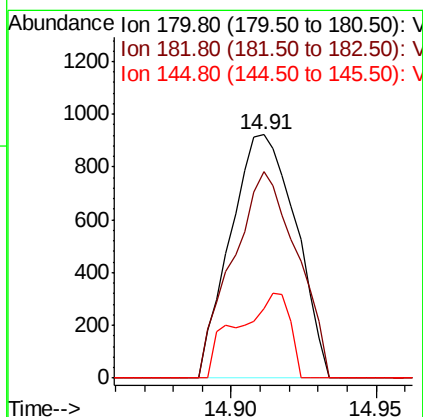
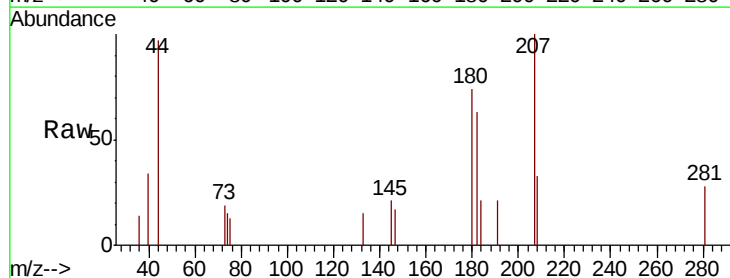
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBL01

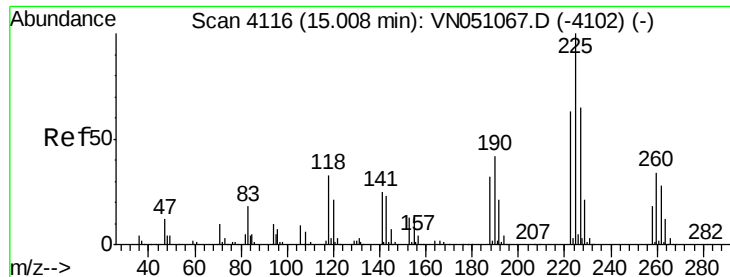
Tot Ion: 75 Resp: 33
 Ion Ratio Lower Upper
 75 100
 155 0.0 48.7 146.1#
 157 203.0 63.6 190.9#



#93
 1,2,4-Trichlorobenzene
 Concen: 4.26 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051158.D
 Acq: 13 Sep 2018 8:59

Tgt Ion: 180 Resp: 1444
 Ion Ratio Lower Upper
 180 100
 182 83.7 47.3 141.8
 145 28.0 14.2 42.6





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN051158.D

Acq: 13 Sep 2018 8:59

Instrument :

MSVOA_N

ClientSampled :

VN0913WBL01

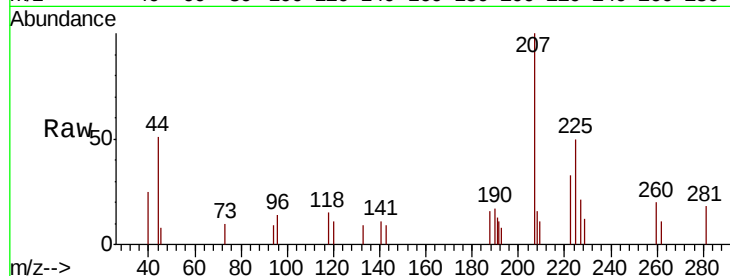
Tot Ion:225 Resp: 1458

Ion Ratio Lower Upper

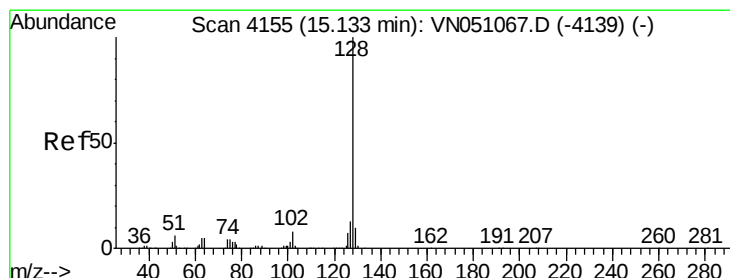
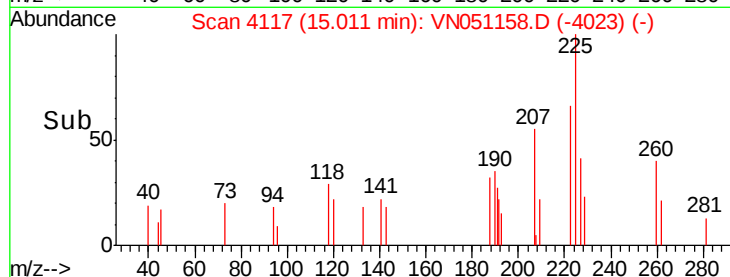
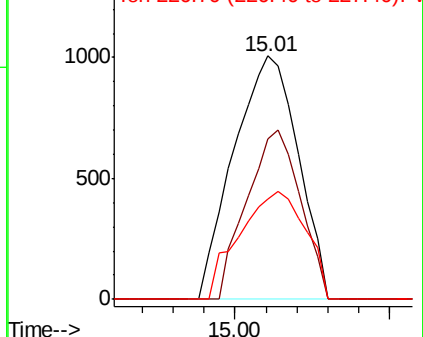
225 100

223 58.0 31.4 94.0

227 45.7 32.1 96.3



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: 5.76 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051158.D

Acq: 13 Sep 2018 8:59

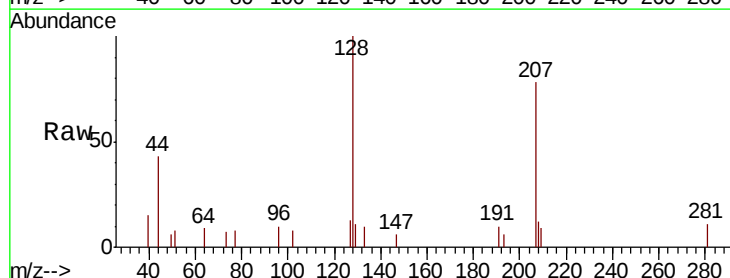
Tgt Ion:128 Resp: 4687

Ion Ratio Lower Upper

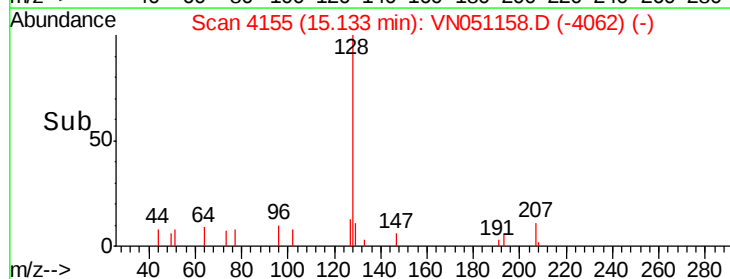
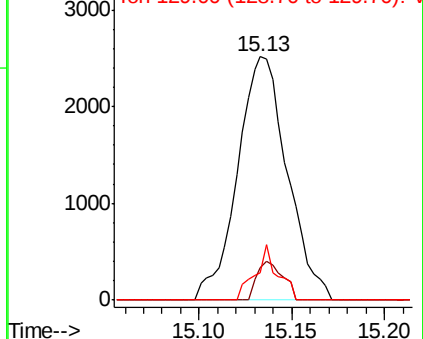
128 100

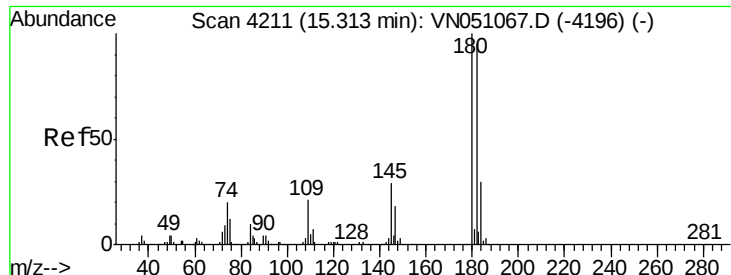
127 8.3 10.6 15.8#

129 10.0 8.6 12.8



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

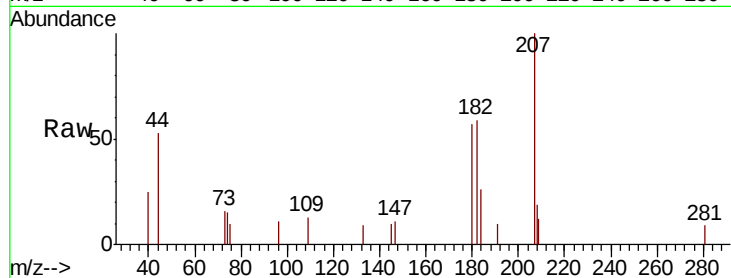




#96
 1,2,3-Trichlorobenzene
 Concen: 3.34 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN051158.D
 Acq: 13 Sep 2018 8:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	111.8	47.8	143.3
145	11.8	14.6	43.8



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

