

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101018\
 Data File : VN051778.D
 Acq On : 10 Oct 2018 9:55
 Operator : MD\SY
 Sample : VN1010WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010WBL01

Quant Time: Oct 11 01:52:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 06:03:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	758891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1089479	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	957384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	356078	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	429864	42.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.76%	
35) Dibromofluoromethane	7.59	113	404404	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	
50) Toluene-d8	10.09	98	1518506	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
62) 4-Bromofluorobenzene	12.40	95	446734	40.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.32%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	165	1.166	ug/l #	42
5) Bromomethane	2.54	94	3567	0.340	ug/l	96
7) Trichlorofluoromethane	3.00	101	334	Below Cal		99
10) Methyl Iodide	3.96	142	795	2.413	ug/l #	49
11) Tert butyl alcohol	4.74	59	2187	3.210	ug/l #	73
13) Acrolein	3.61	56	164	Below Cal	#	1
15) Acrylonitrile	5.00	53	1110	0.472	ug/l #	34
16) Acetone	3.81	43	778	Below Cal	#	44
17) Carbon Disulfide	4.05	76	6360	0.296	ug/l	99
18) Methyl Acetate	4.34	43	11608	2.098	ug/l #	71
25) 2-Butanone	6.83	43	857	0.296	ug/l #	44
29) Tetrahydrofuran	7.23	42	416	0.234	ug/l #	51
31) Cyclohexane	7.66	56	13902	1.022	ug/l #	37
36) 1,1-Dichloropropene	7.67	75	49113	4.313	ug/l #	49
38) Carbon Tetrachloride	7.66	117	69515	5.087	ug/l #	16
41) Methacrylonitrile	7.18	41	169	Below Cal	#	48
43) Isopropyl Acetate	8.29	43	97325	7.860	ug/l #	60
51) 4-Methyl-2-Pentanone	9.99	43	1815	0.289	ug/l #	78
59) 2-Hexanone	10.75	43	2508	0.589	ug/l	98
74) N-amyl acetate	12.08	43	1628	Below Cal	#	88
75) 1,1,2,2-Tetrachloroethane	12.51	83	620	Below Cal	#	87
76) 1,2,3-Trichloropropane	12.40	75	226713	51.353	ug/l #	100
77) Bromobenzene	12.53	156	1498	0.202	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.40	75	226713	117.037	ug/l #	14
87) 1,3-Dichlorobenzene	13.29	146	3250	0.251	ug/l	99
88) 1,4-Dichlorobenzene	13.29	146	3250	0.255	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	3179	0.247	ug/l	90
92) 1,2-Dibromo-3-Chloropropan	14.26	75	300	0.281	ug/l	72
93) 1,2,4-Trichlorobenzene	14.91	180	4611	0.806	ug/l	96
94) Hexachlorobutadiene	15.01	225	2281	0.588	ug/l	95
95) Naphthalene	15.13	128	14739	1.193	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	4912	0.872	ug/l	82

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 09 06:03:49 2018
Response via : Initial Calibration

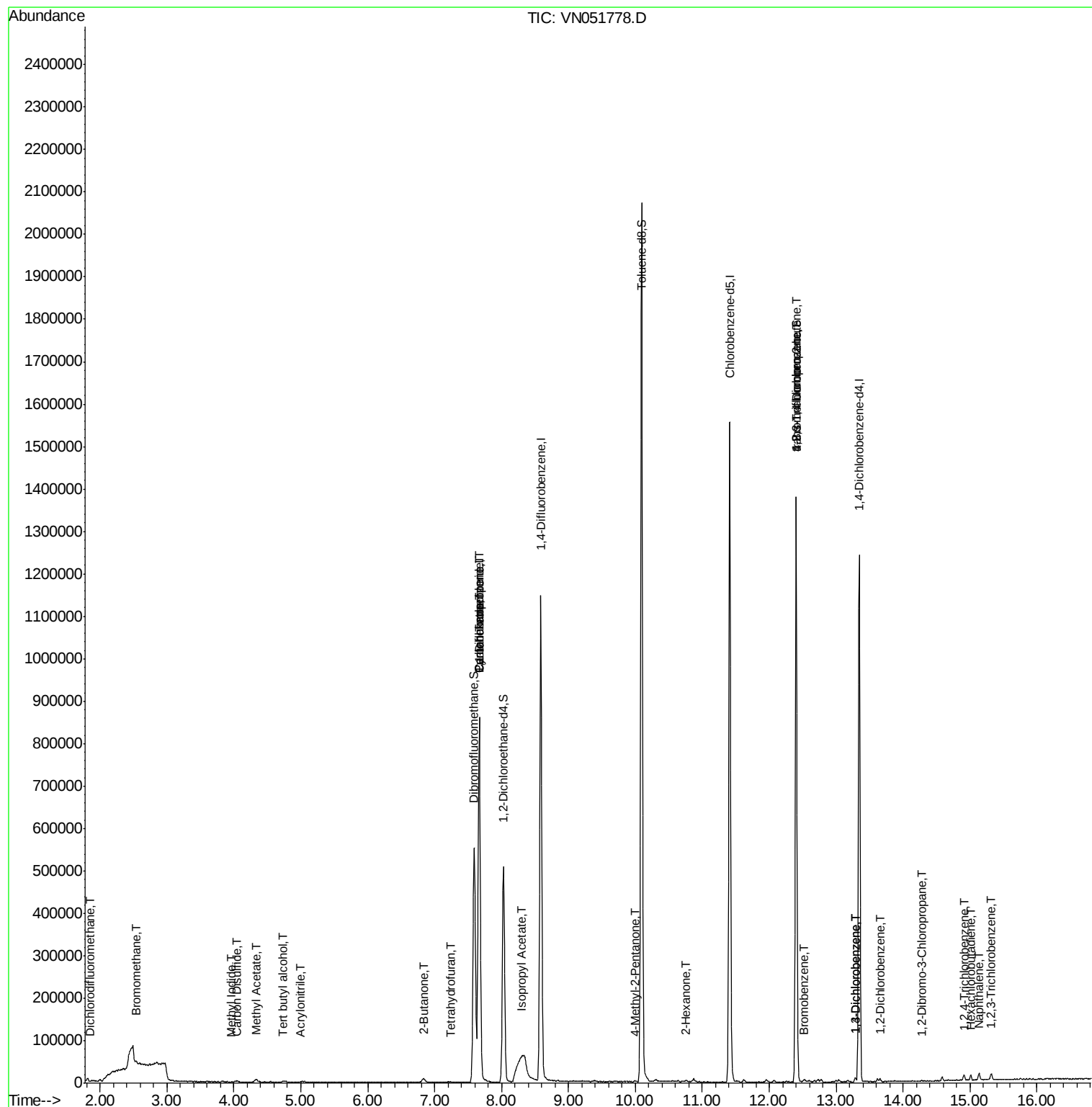
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

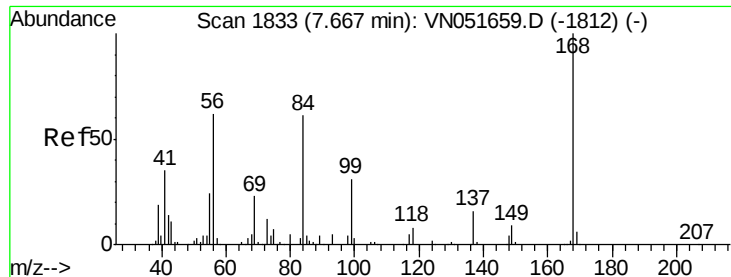
(#)= qualifier out of range (m)= manual integration (+)= signals summed						

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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: VN051778.D

Acq: 10 Oct 2018 9:55

Instrument :

MSVOA_N

ClientSampleId :

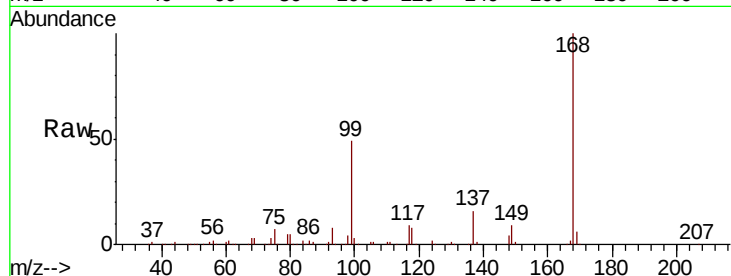
VN1010WBL01

Tot Ion:168 Resp: 758891

Ion Ratio Lower Upper

168 100

99 48.7 40.4 60.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

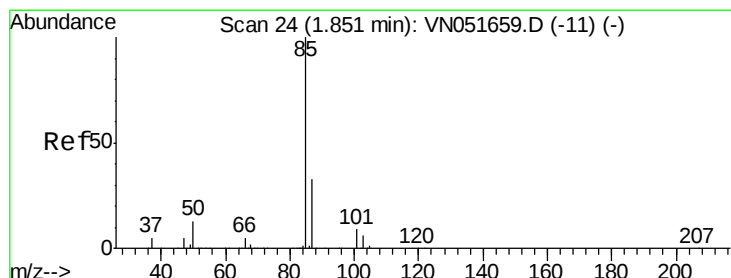
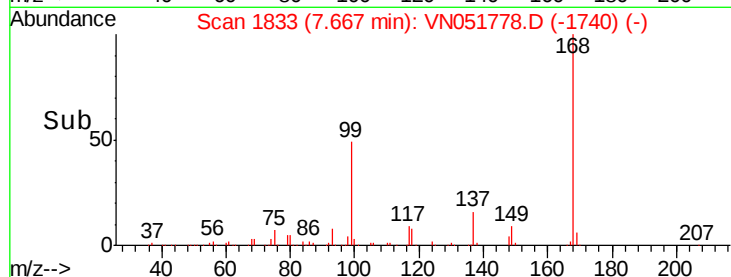
200000

100000

0

Time-->

7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 1.166 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051778.D

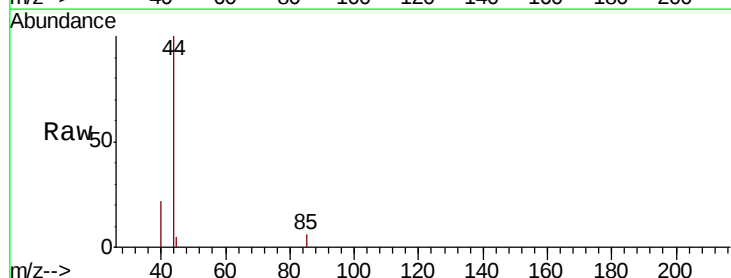
Acq: 10 Oct 2018 9:55

Tgt Ion: 85 Resp: 165

Ion Ratio Lower Upper

85 100

87 0.0 16.4 49.4#



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

300

250

200

150

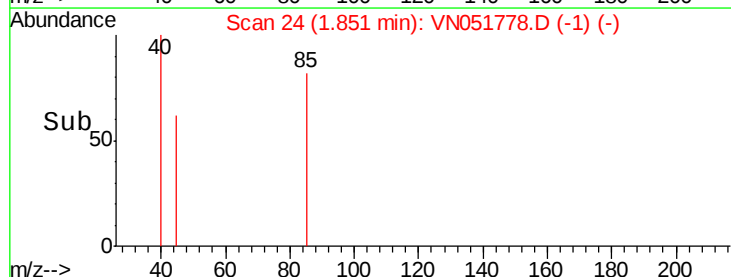
100

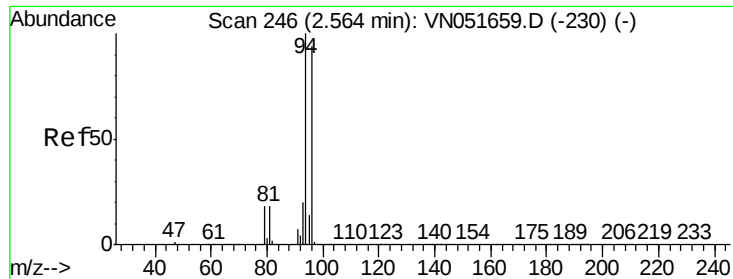
50

0

Time-->

1.84 1.85 1.86





#5

Bromomethane

Concen: 0.340 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.03 min

Lab File: VN051778.D

Acq: 10 Oct 2018 9:55

Instrument :

MSVOA_N

ClientSampleId :

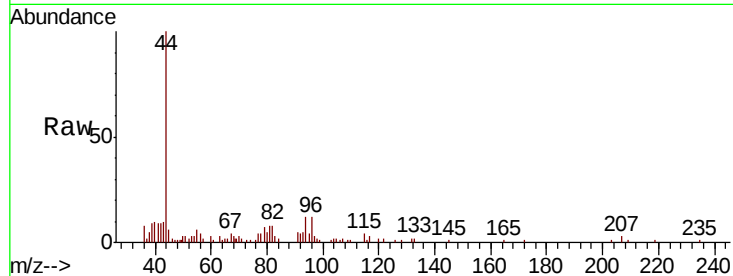
VN1010WBL01

Tot Ion: 94 Resp: 3567

Ion Ratio Lower Upper

94 100

96 90.5 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VN051659.D (-230) (-)

Ion 95.90 (95.60 to 96.60): VN051659.D (-230) (-)

2.54

2000

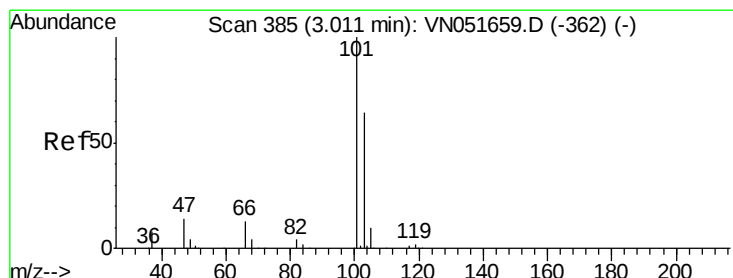
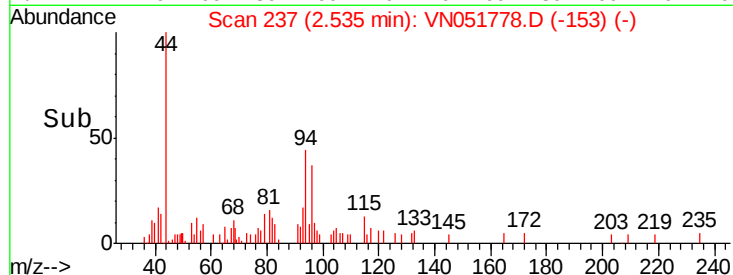
1500

1000

500

0

Time-->



#7

Trichlorofluoromethane

Concen: Below Cal

RT: 3.00 min Scan# 382

Delta R.T. -0.01 min

Lab File: VN051778.D

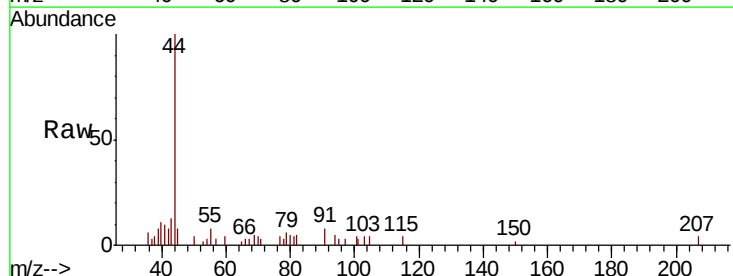
Acq: 10 Oct 2018 9:55

Tgt Ion: 101 Resp: 334

Ion Ratio Lower Upper

101 100

103 63.0 51.1 76.7



Abundance Ion 100.90 (100.60 to 101.60): VN051659.D (-362) (-)

Ion 102.80 (102.50 to 103.50): VN051659.D (-362) (-)

3.00

500

400

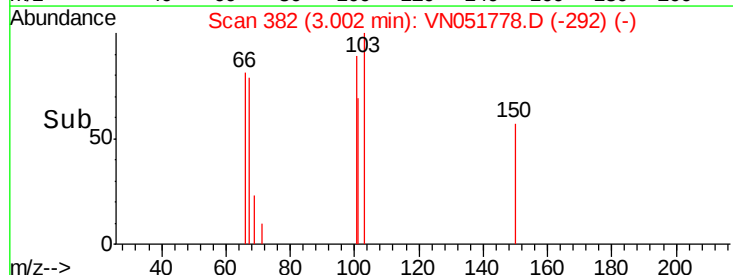
300

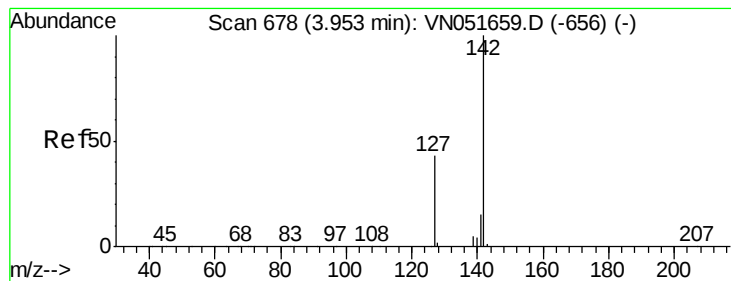
200

100

0

Time-->





#10

Methvl Iodide

Concen: 2.413 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN051778.D

Acq: 10 Oct 2018 9:55

Instrument :

MSVOA_N

ClientSampleId :

VN1010WBL01

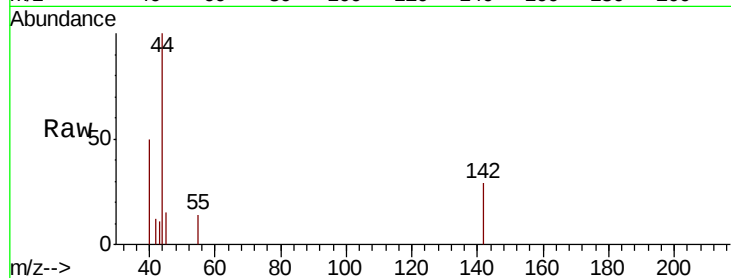
Tot Ion:142 Resp: 795

Ion Ratio Lower Upper

142 100

127 7.4 34.7 52.1#

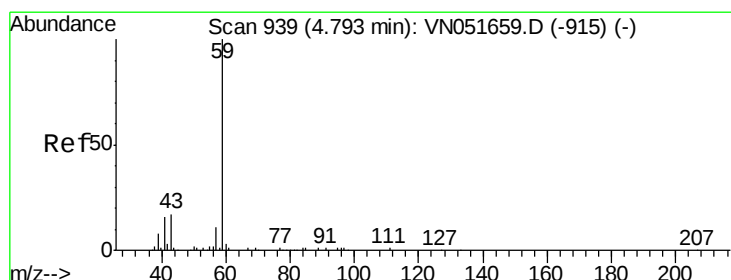
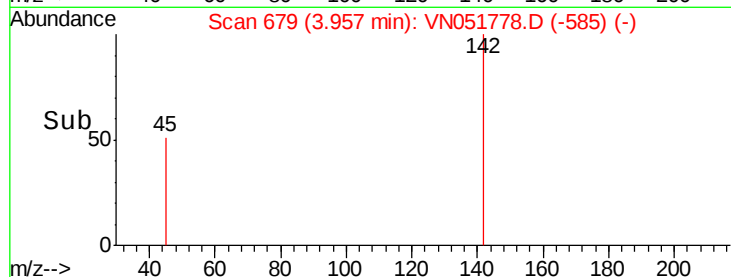
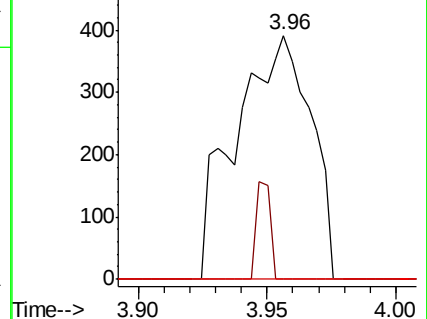
141 0.0 11.4 17.2#



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



#11

Tert butyl alcohol

Concen: 3.210 ug/l

RT: 4.74 min Scan# 924

Delta R.T. -0.05 min

Lab File: VN051778.D

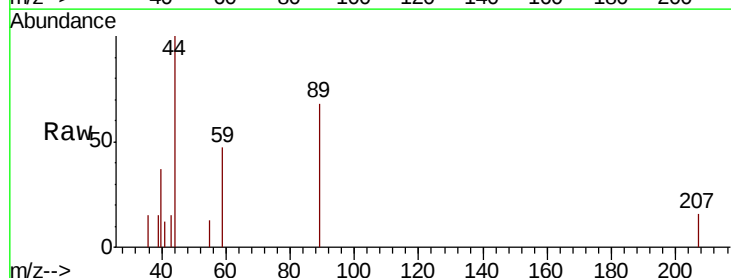
Acq: 10 Oct 2018 9:55

Tgt Ion: 59 Resp: 2187

Ion Ratio Lower Upper

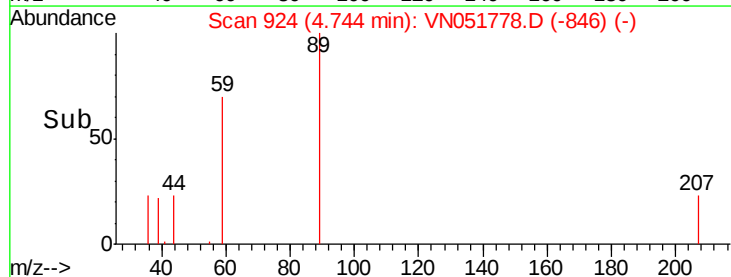
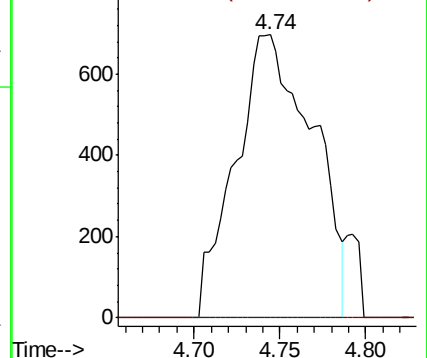
59 100

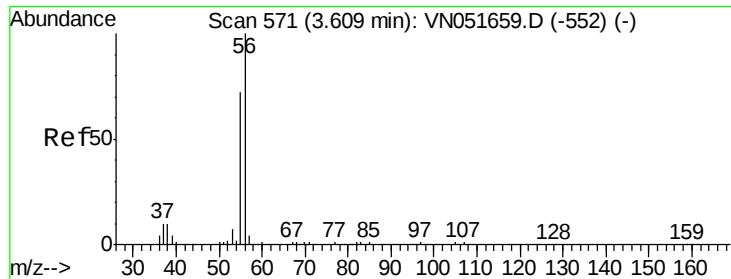
57 0.0 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#13

Acrolein

Concen: Below Cal

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051778.D

Acq: 10 Oct 2018 9:55

Instrument :

MSVOA_N

ClientSampled :

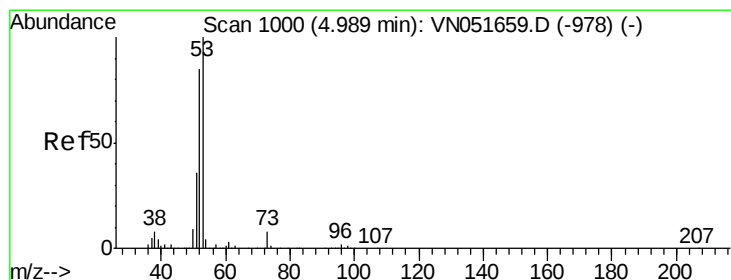
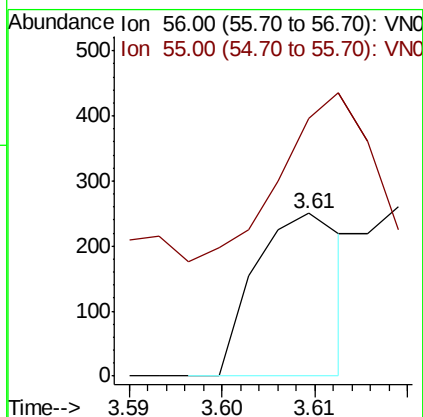
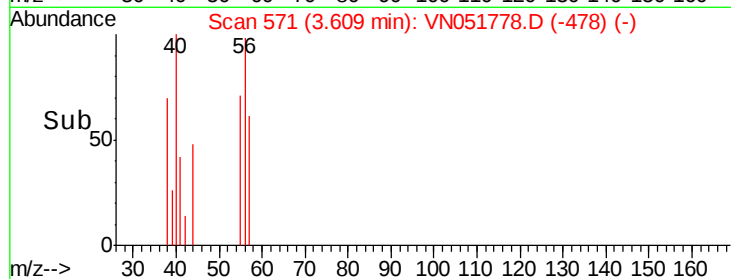
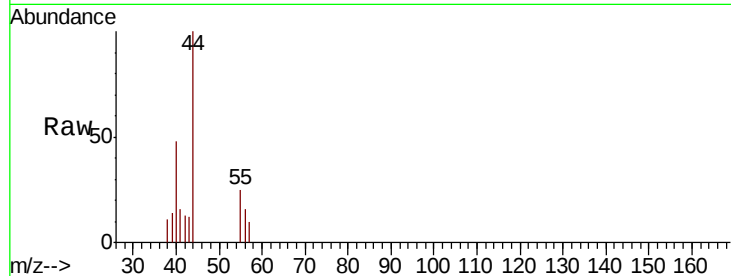
VN1010WBL01

Tot Ion: 56 Resp: 164

Ion Ratio Lower Upper

56 100

55 251.2 57.5 86.3#



#15

Acrylonitrile

Concen: 0.472 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. 0.02 min

Lab File: VN051778.D

Acq: 10 Oct 2018 9:55

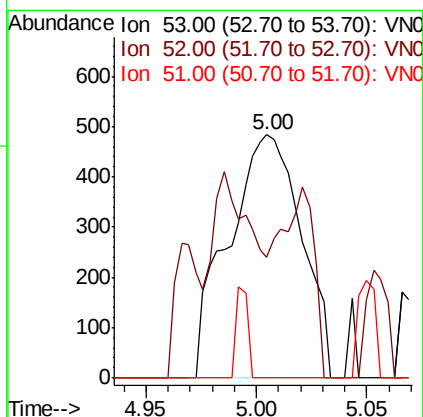
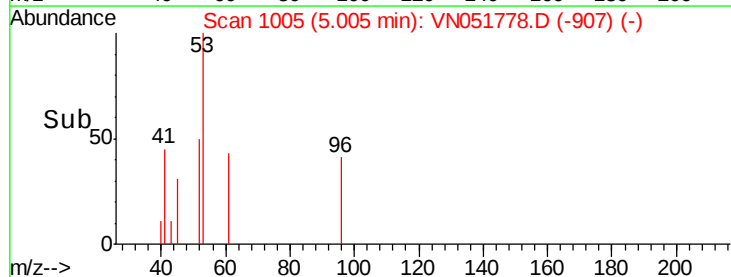
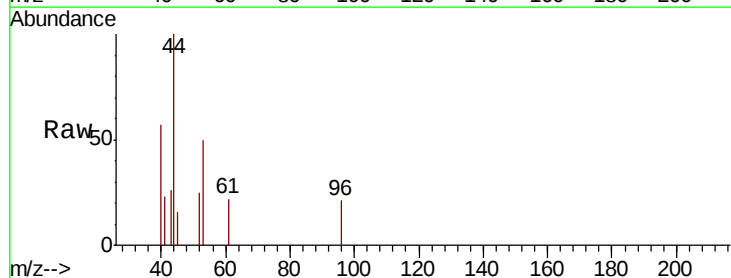
Tgt Ion: 53 Resp: 1110

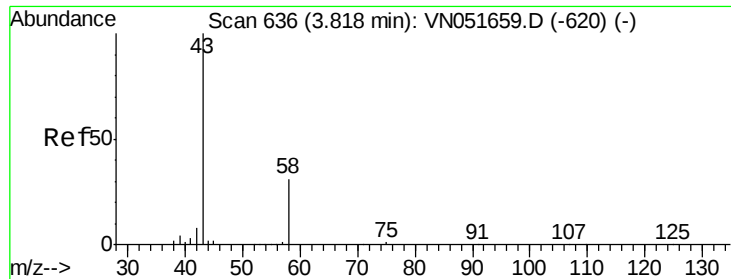
Ion Ratio Lower Upper

53 100

52 22.1 66.2 99.2#

51 0.0 30.3 45.5#





#16

Acetone

Concen: Below Cal

RT: 3.81 min Scan# 634

Delta R.T. -0.01 min

Lab File: VN051778.D

Acq: 10 Oct 2018 9:55

Instrument :

MSVOA_N

ClientSampled :

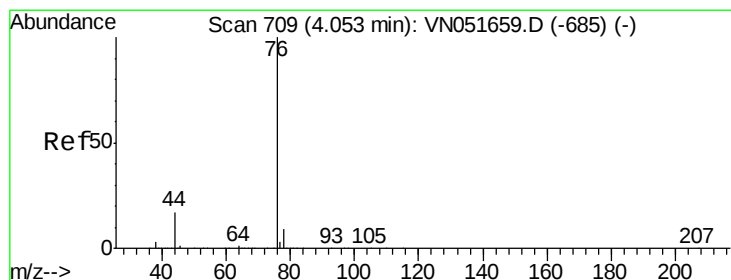
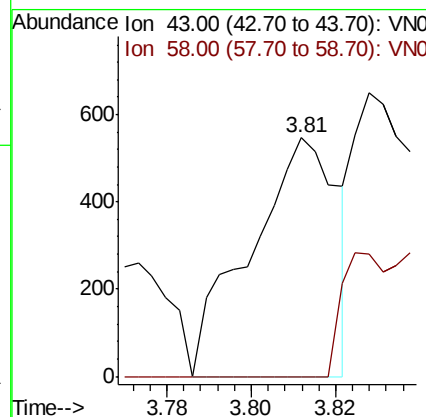
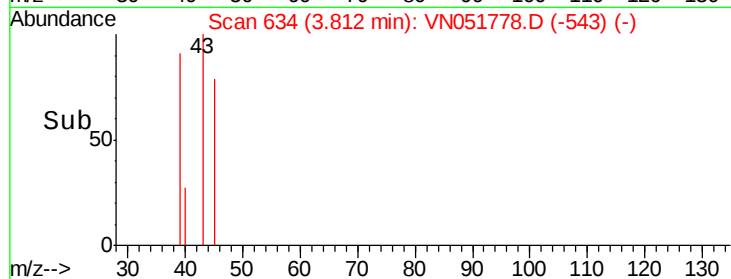
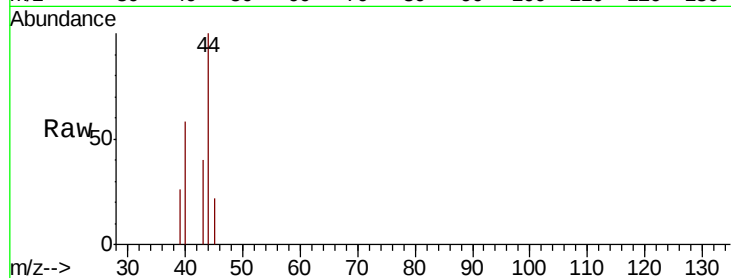
VN1010WBL01

Tot Ion: 43 Resp: 778

Ion Ratio Lower Upper

43 100

58 0.0 24.3 36.5#



#17

Carbon Disulfide

Concen: 0.296 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN051778.D

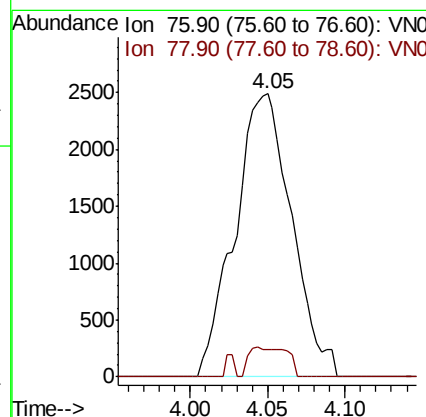
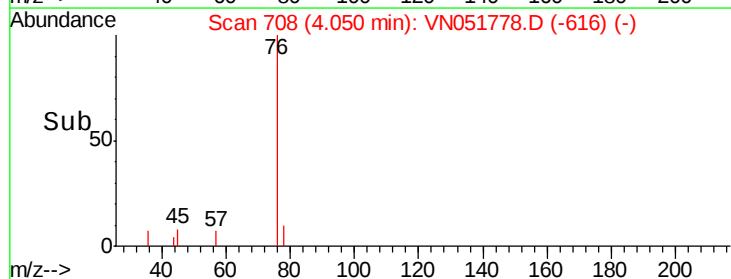
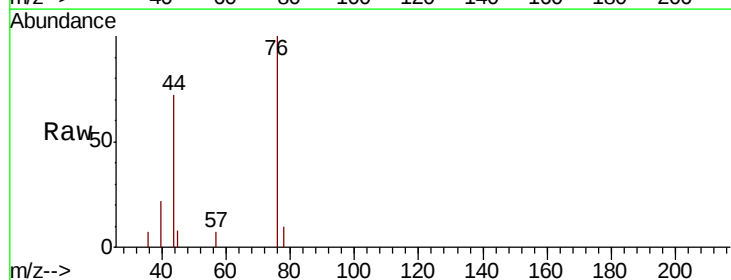
Acq: 10 Oct 2018 9:55

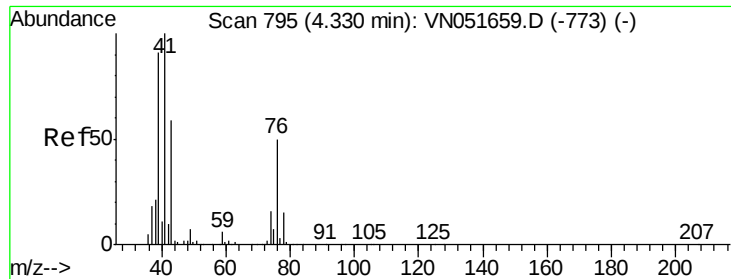
Tgt Ion: 76 Resp: 6360

Ion Ratio Lower Upper

76 100

78 9.5 7.2 10.8

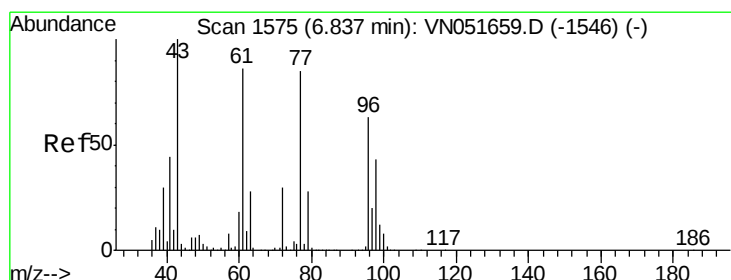
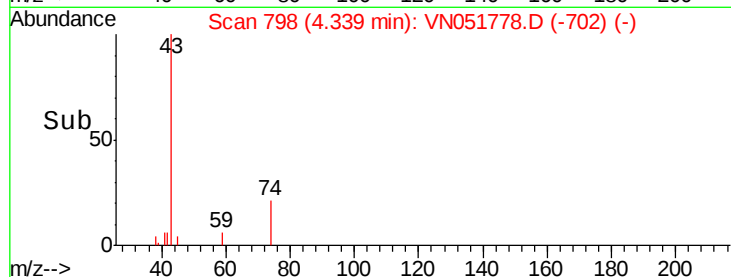
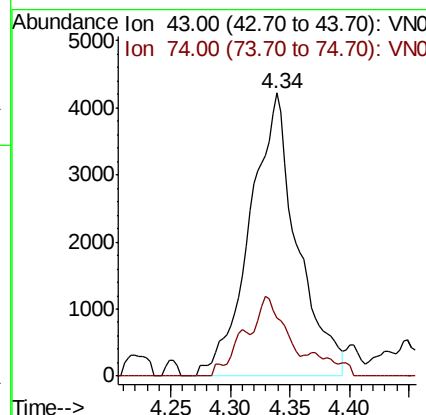
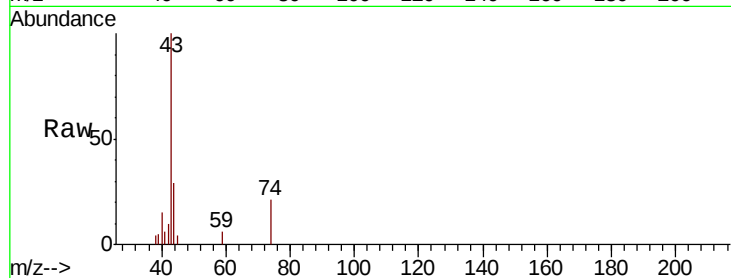




#18
Methvl Acetate
Concen: 2.098 ug/l
RT: 4.34 min Scan# 798
Delta R.T. 0.01 min
Lab File: VN051778.D
Acq: 10 Oct 2018 9:55

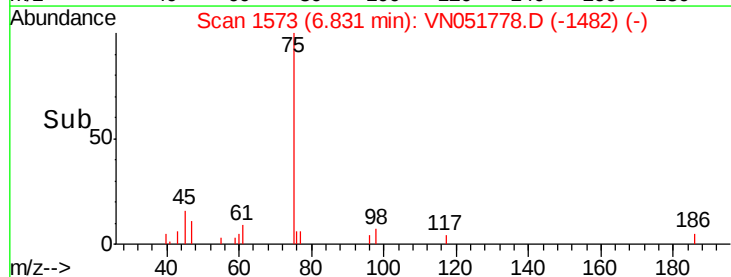
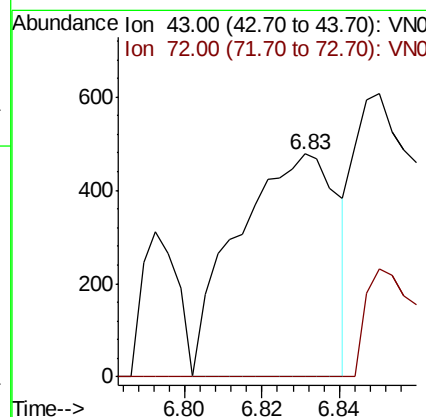
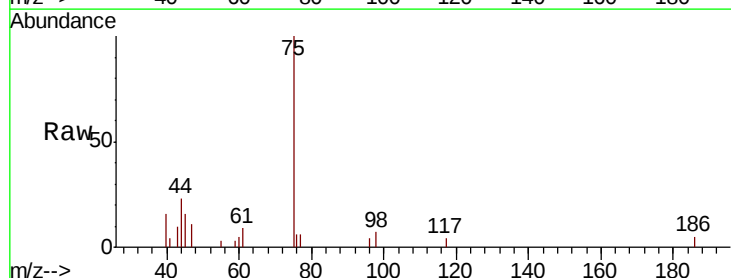
Instrument :
MSVOA_N
ClientSampleId :
VN1010WBL01

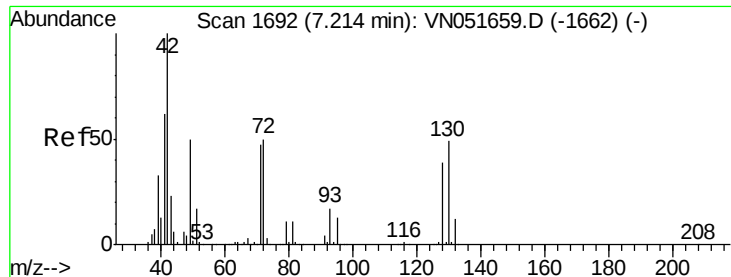
Tot Ion: 43 Resp: 11608
Ion Ratio Lower Upper
43 100
74 12.1 21.5 32.3#



#25
2-Butanone
Concen: 0.296 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.01 min
Lab File: VN051778.D
Acq: 10 Oct 2018 9:55

Tgt Ion: 43 Resp: 857
Ion Ratio Lower Upper
43 100
72 0.0 24.2 36.2#





#29

Tetrahydrofuran

Concen: 0.234 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.01 min

Lab File: VN051778.D

Acq: 10 Oct 2018 9:55

Instrument :

MSVOA_N

ClientSampleId :

VN1010WBL01

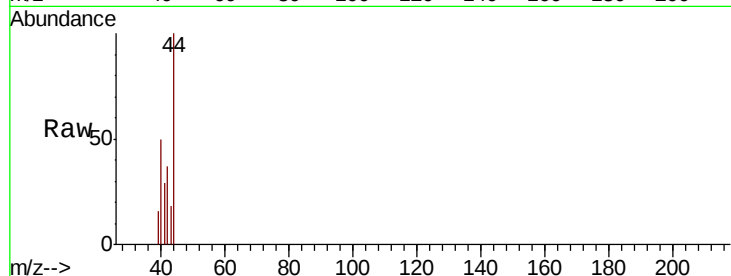
Tot Ion: 42 Resp: 416

Ion Ratio Lower Upper

42 100

72 0.0 40.1 60.1#

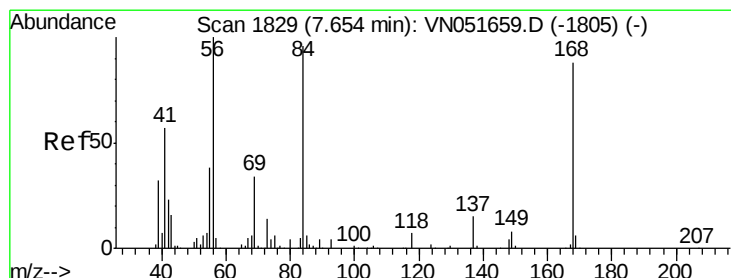
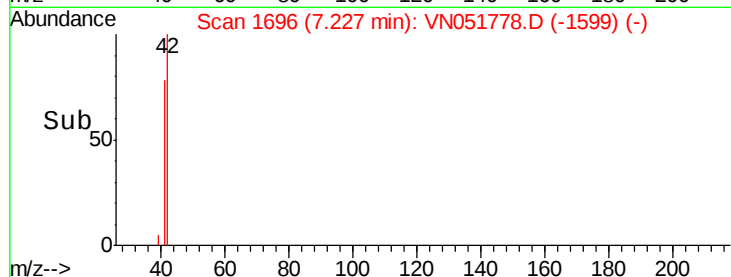
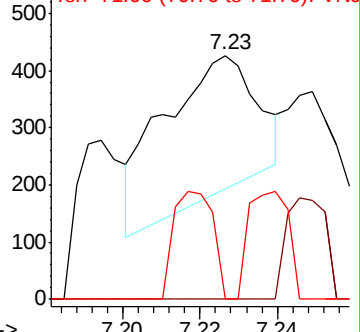
71 32.0 38.0 57.0#



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: 1.022 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN051778.D

Acq: 10 Oct 2018 9:55

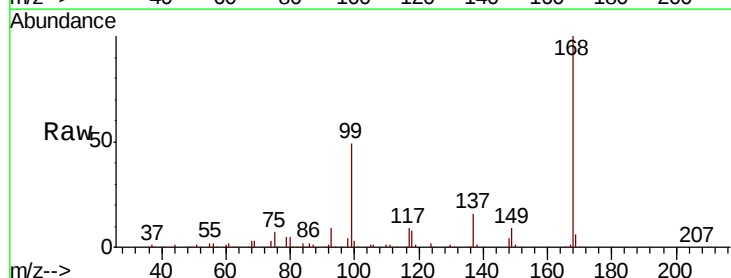
Tgt Ion: 56 Resp: 13902

Ion Ratio Lower Upper

56 100

69 148.1 27.5 41.3#

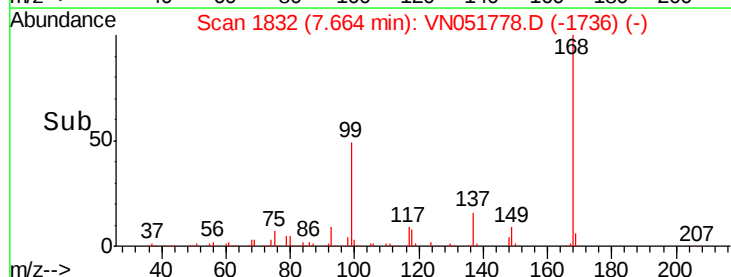
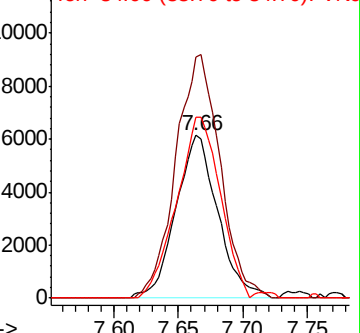
84 110.8 76.7 115.1

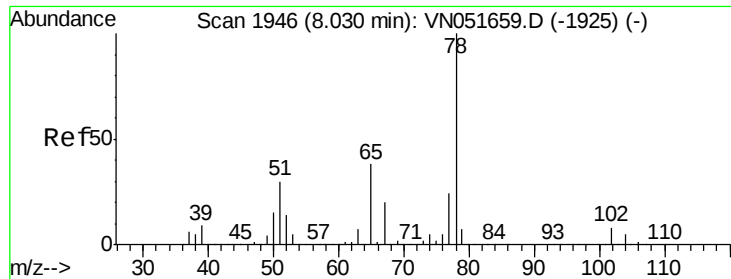


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

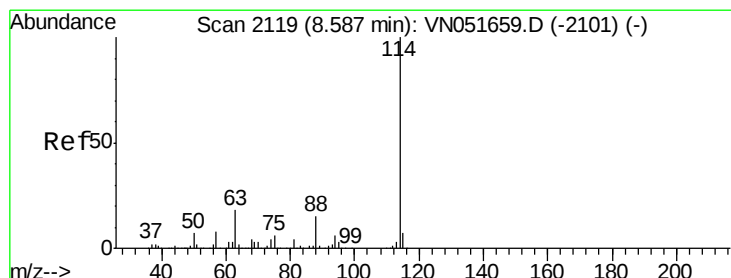
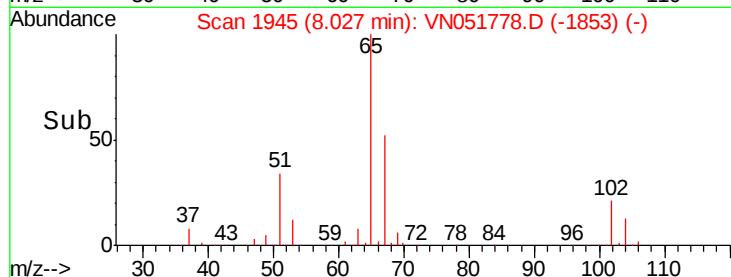
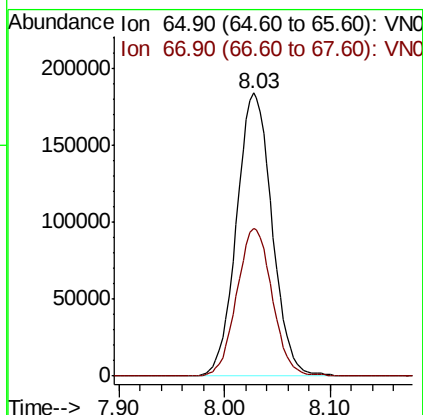
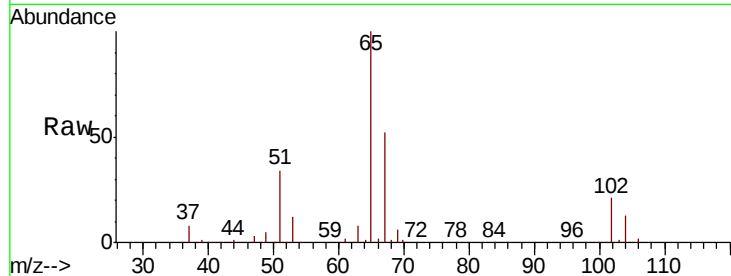




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051778.D
 Acq: 10 Oct 2018 9:55

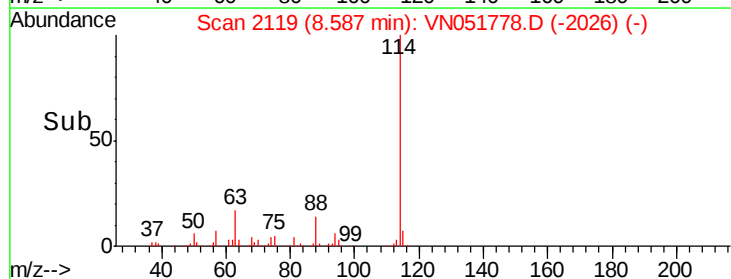
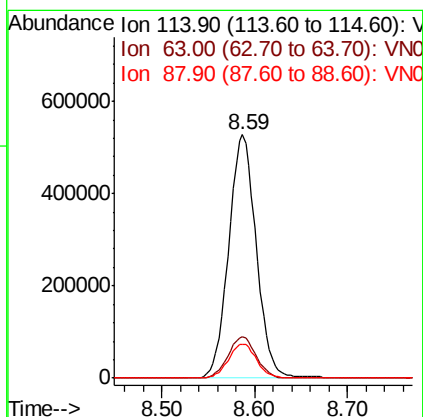
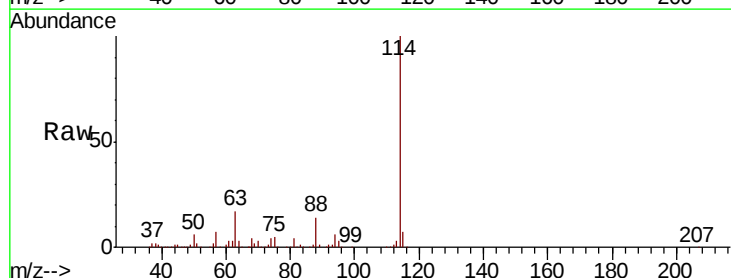
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010WBL01

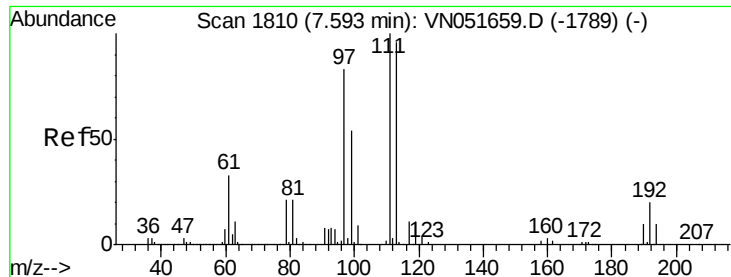
Tot Ion: 65 Resp: 429864
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051778.D
 Acq: 10 Oct 2018 9:55

Tgt Ion: 114 Resp: 1089479
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 36.2
 88 14.0 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN051778.D

Acq: 10 Oct 2018 9:55

Instrument :

MSVOA_N

ClientSampleId :

VN1010WBL01

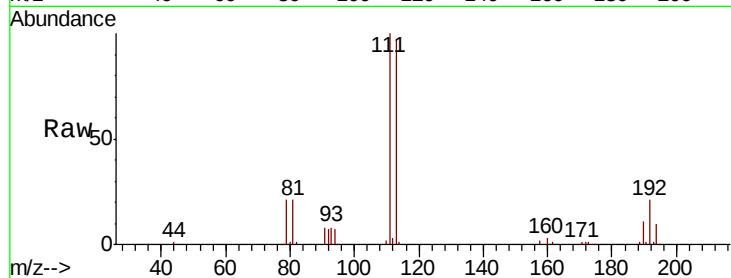
Tot Ion:113 Resp: 404404

Ion Ratio Lower Upper

113 100

111 104.5 81.8 122.8

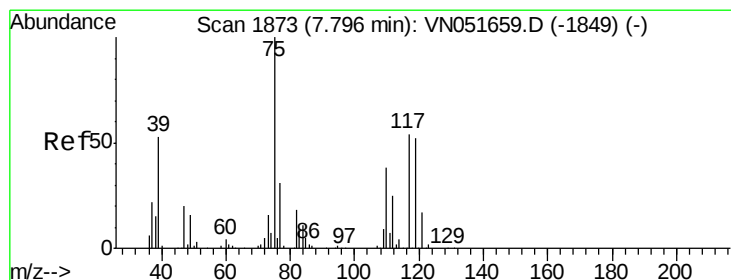
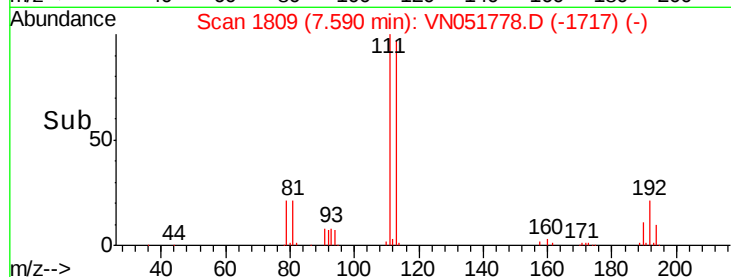
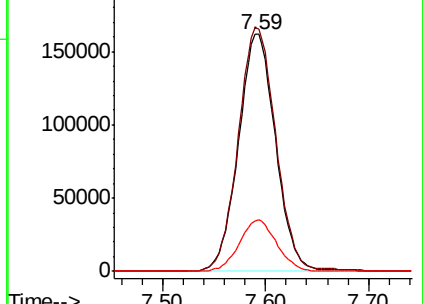
192 21.8 16.5 24.7



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: 4.313 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN051778.D

Acq: 10 Oct 2018 9:55

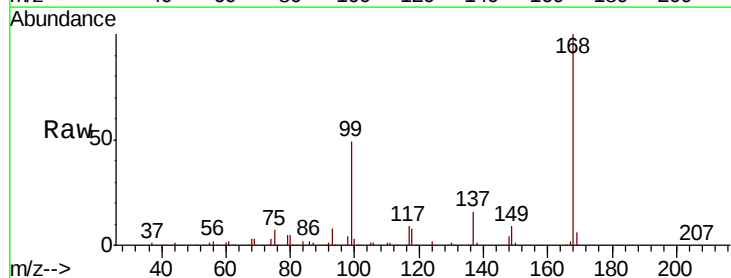
Tgt Ion: 75 Resp: 49113

Ion Ratio Lower Upper

75 100

110 10.1 19.3 57.8#

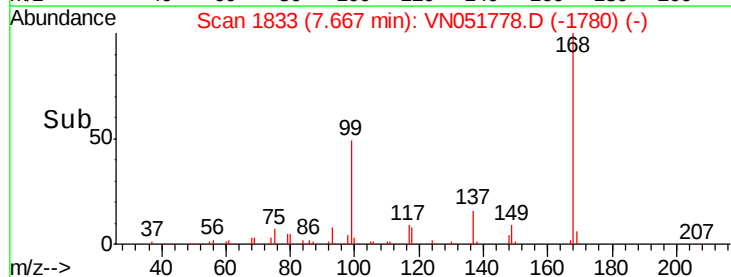
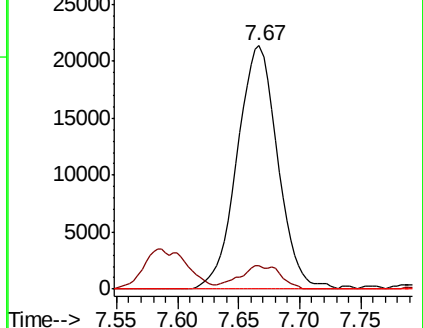
77 0.0 24.7 37.1#

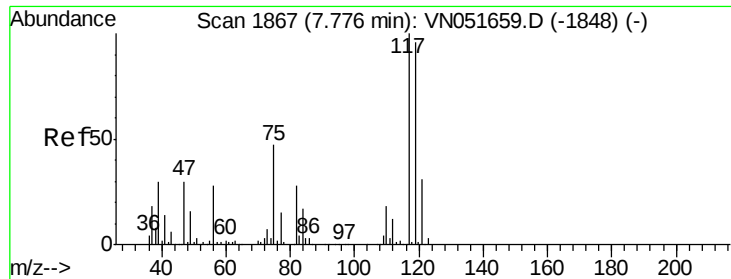


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.087 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN051778.D

Acq: 10 Oct 2018 9:55

Instrument :

MSVOA_N

ClientSampleId :

VN1010WBL01

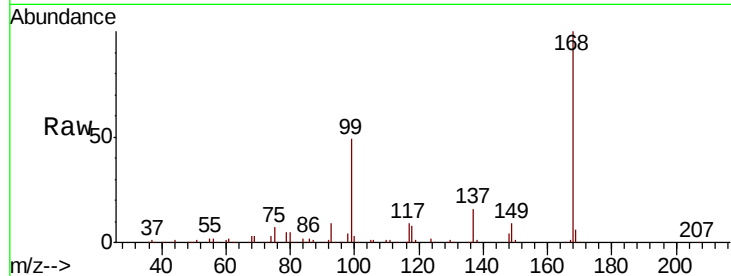
Tot Ion:117 Resp: 69515

Ion Ratio Lower Upper

117 100

119 5.6 77.0 115.6#

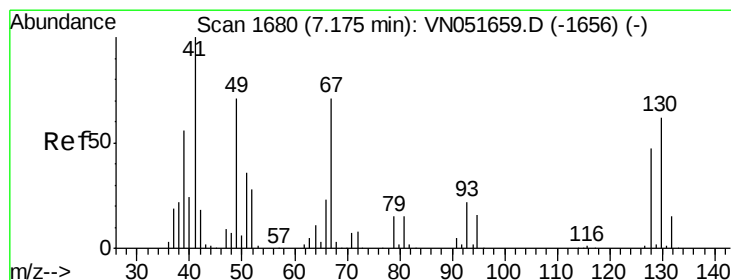
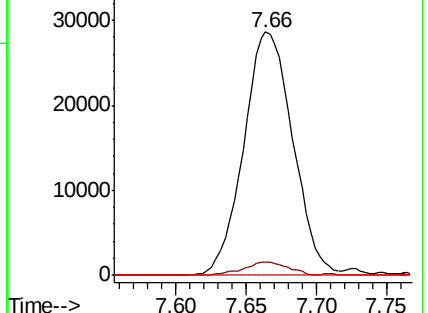
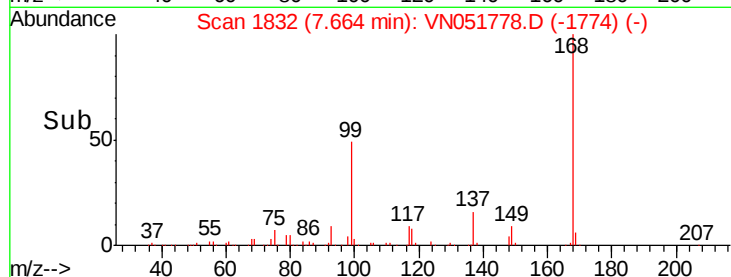
121 0.0 25.0 37.6#



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



#41

Methacrylonitrile

Concen: Below Cal

RT: 7.18 min Scan# 1682

Delta R.T. 0.01 min

Lab File: VN051778.D

Acq: 10 Oct 2018 9:55

Tgt Ion: 41 Resp: 169

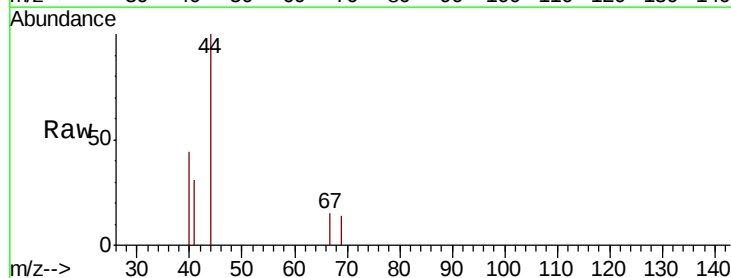
Ion Ratio Lower Upper

41 100

39 94.7 53.9 80.9#

67 39.1 78.1 117.1#

52 0.0 32.3 48.5#

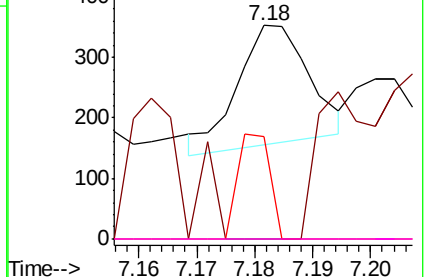
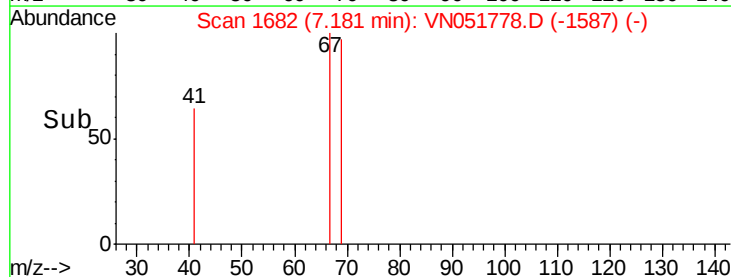


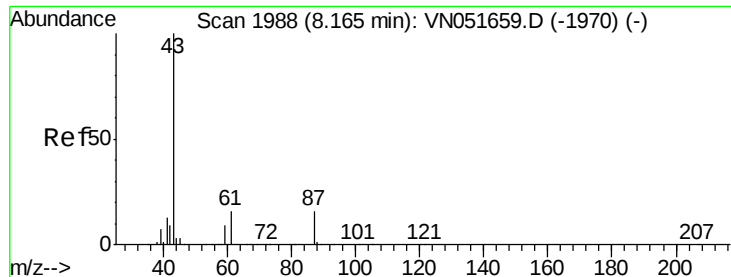
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V

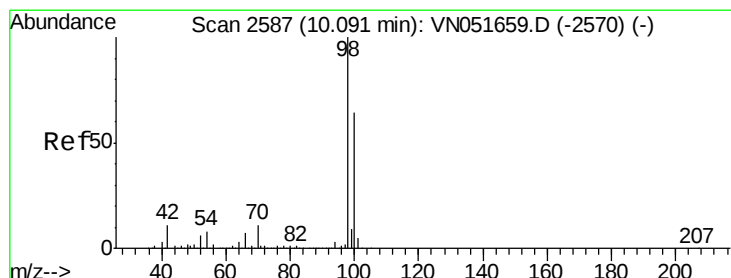
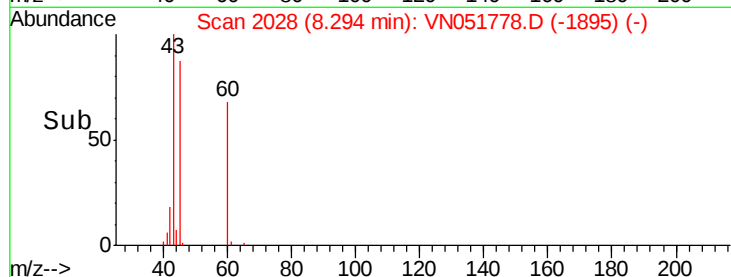
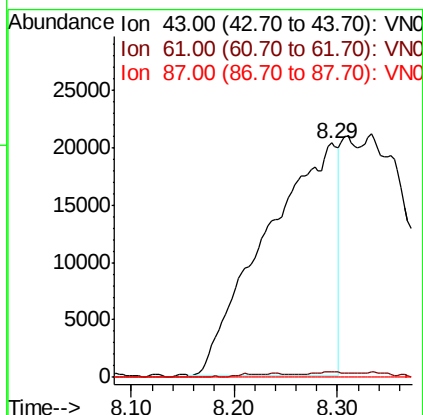
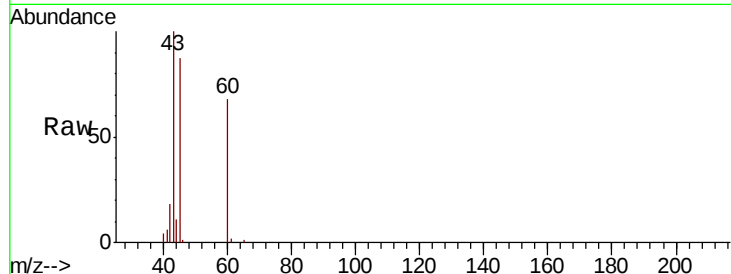




#43
Isopropyl Acetate
Concen: 7.860 ug/l
RT: 8.29 min Scan# 2028
Delta R.T. 0.13 min
Lab File: VN051778.D
Acq: 10 Oct 2018 9:55

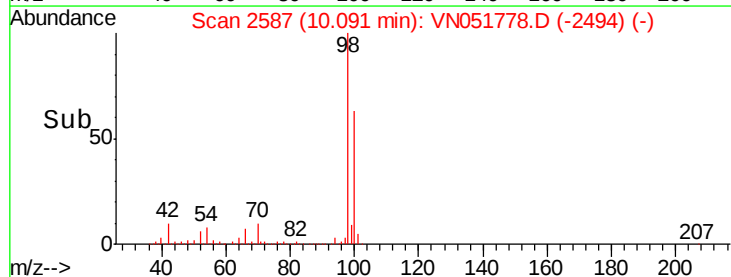
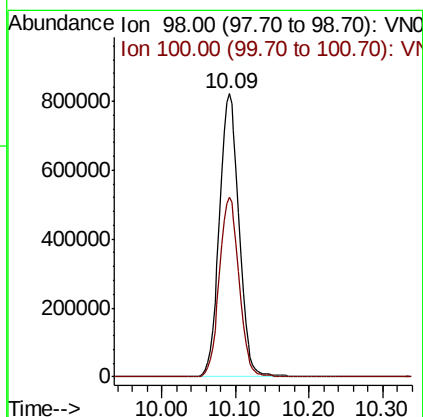
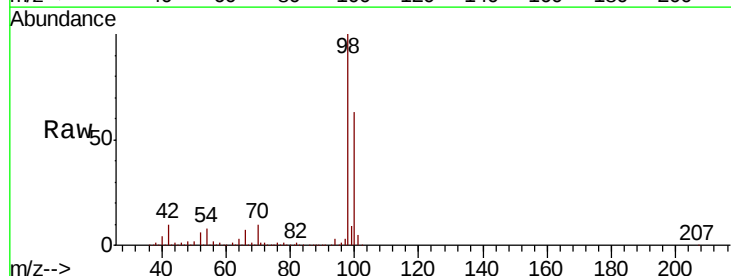
Instrument :
MSVOA_N
ClientSampleId :
VN1010WBL01

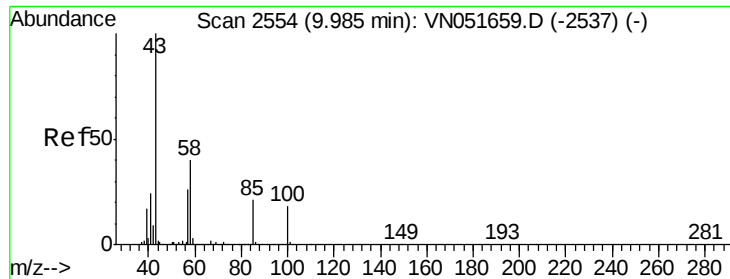
Tot Ion: 43 Resp: 97325
Ion Ratio Lower Upper
43 100
61 0.4 15.8 23.6#
87 0.0 12.6 19.0#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051778.D
Acq: 10 Oct 2018 9:55

Tgt Ion: 98 Resp: 1518506
Ion Ratio Lower Upper
98 100
100 63.7 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 0.289 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN051778.D

Acq: 10 Oct 2018 9:55

Instrument :

MSVOA_N

ClientSampled :

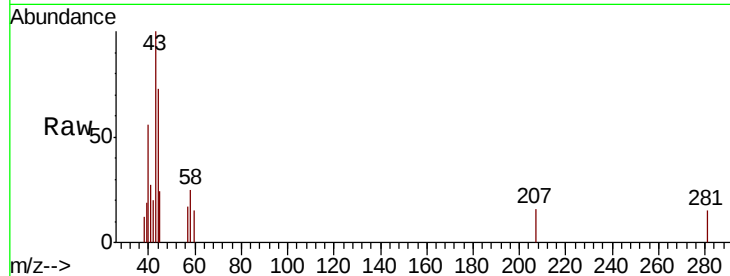
VN1010WBL01

Tot Ion: 43 Resp: 1815

Ion Ratio Lower Upper

43 100

58 26.7 32.2 48.2#



Abundance Ion 43.00 (42.70 to 43.70): VN051659.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN051659.D (-2537) (-)

9.99

1500

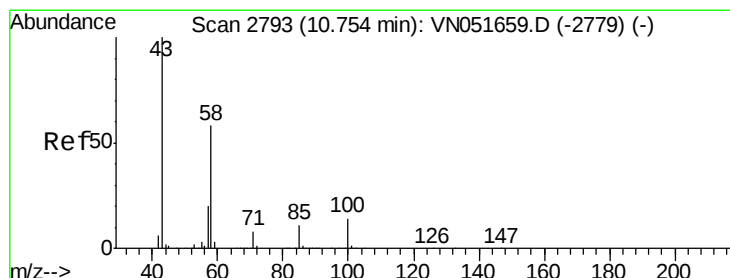
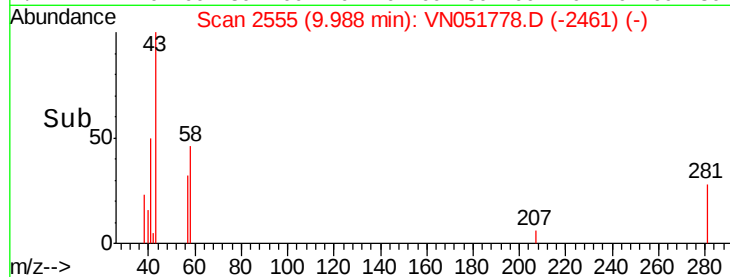
1000

500

0

9.95 10.00 10.05

Time-->



#59

2-Hexanone

Concen: 0.589 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VN051778.D

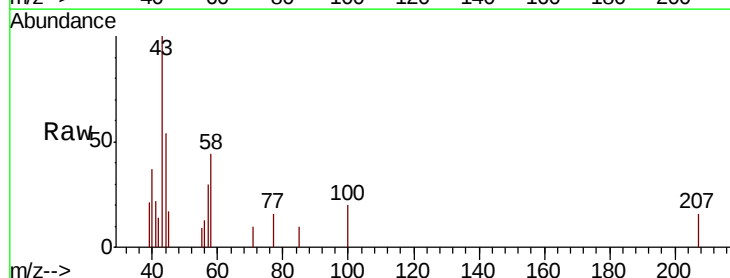
Acq: 10 Oct 2018 9:55

Tgt Ion: 43 Resp: 2508

Ion Ratio Lower Upper

43 100

58 56.3 28.8 86.4



Abundance Ion 43.00 (42.70 to 43.70): VN051659.D (-2779) (-)

Ion 58.00 (57.70 to 58.70): VN051659.D (-2779) (-)

10.75

2000

1500

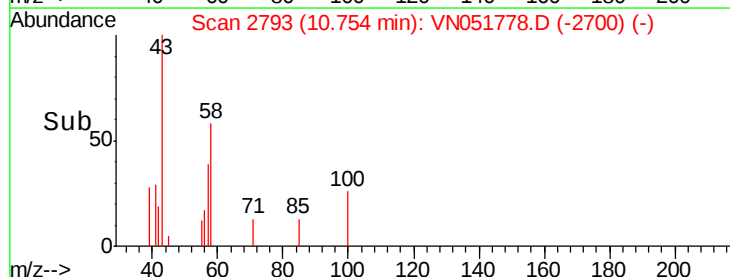
1000

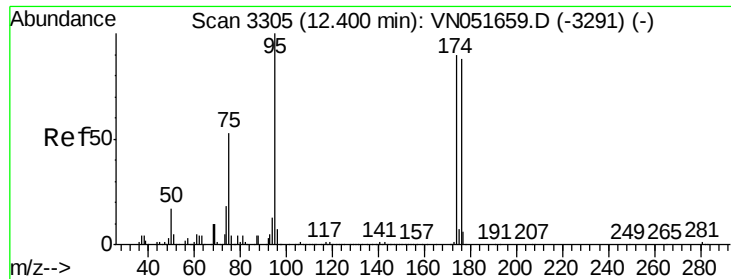
500

0

10.70 10.75 10.80

Time-->





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051778.D

Acq: 10 Oct 2018 9:55

Instrument :

MSVOA_N

ClientSampleId :

VN1010WBL01

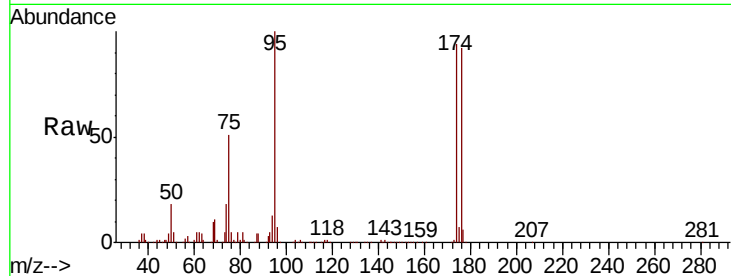
Tot Ion: 95 Resp: 446734

Ion Ratio Lower Upper

95 100

174 93.8 0.0 182.8

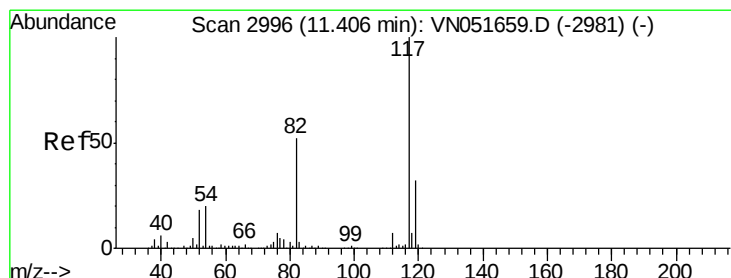
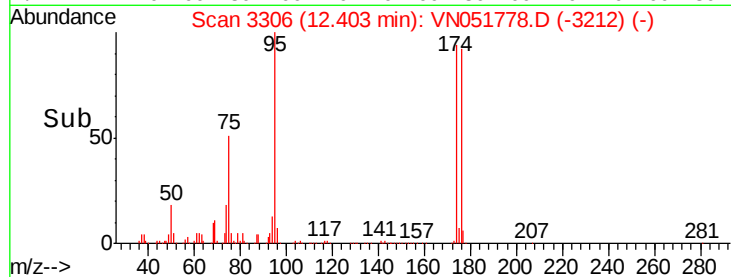
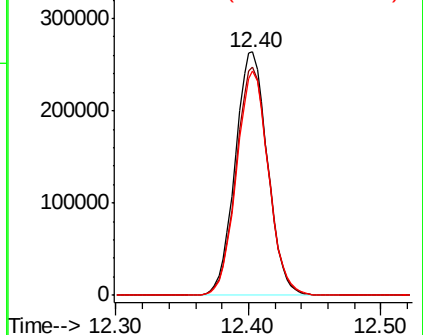
176 91.5 0.0 176.4



Abundance Ion 94.90 (94.60 to 95.60): VN051659.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN051659.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN051659.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051778.D

Acq: 10 Oct 2018 9:55

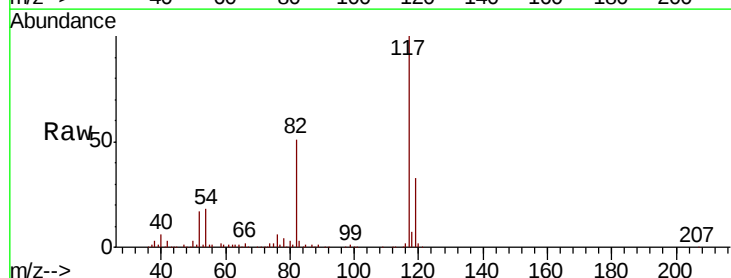
Tgt Ion: 117 Resp: 957384

Ion Ratio Lower Upper

117 100

82 51.0 41.3 61.9

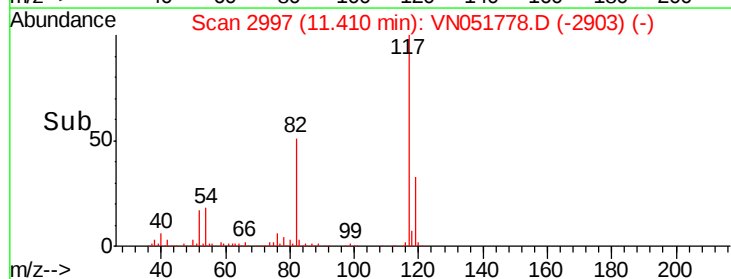
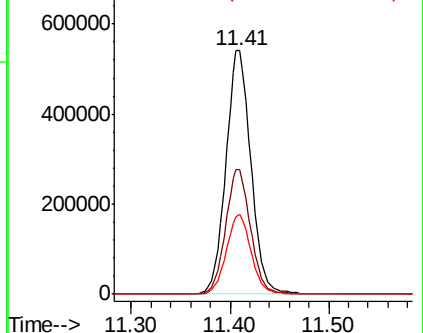
119 32.5 25.9 38.9

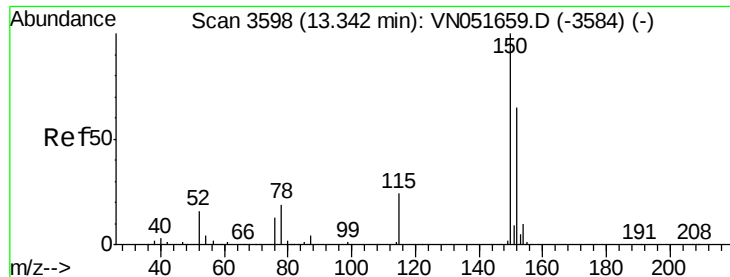


Abundance Ion 116.90 (116.60 to 117.60): VN051659.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN051659.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN051659.D (-2981) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051778.D

Acq: 10 Oct 2018 9:55

Instrument :

MSVOA_N

ClientSampleId :

VN1010WBL01

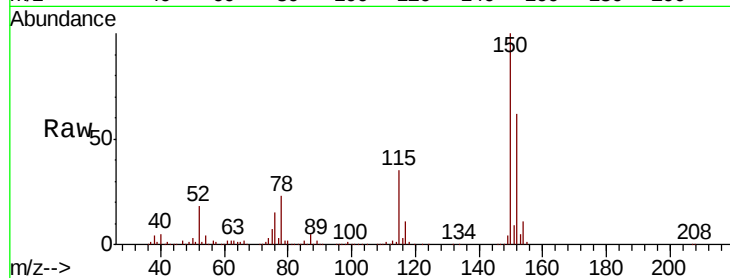
Tot Ion:152 Resp: 356078

Ion Ratio Lower Upper

152 100

115 56.0 28.6 85.8

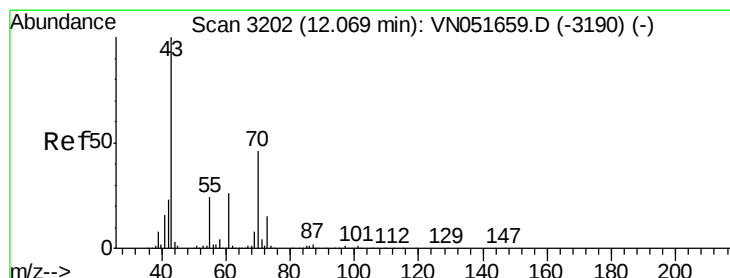
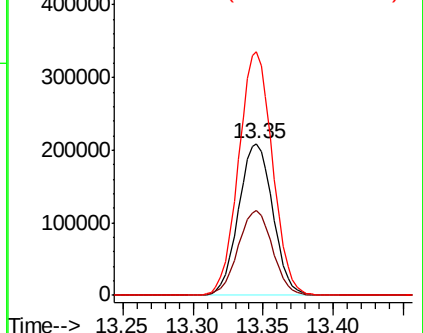
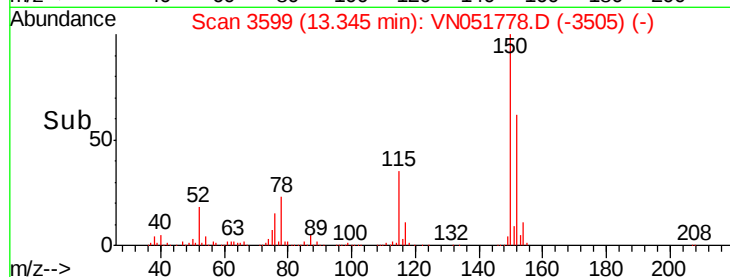
150 158.8 0.0 352.4



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



#74

N-ethyl acetate

Concen: Below Cal

RT: 12.08 min Scan# 3204

Delta R.T. 0.01 min

Lab File: VN051778.D

Acq: 10 Oct 2018 9:55

Tgt Ion: 43 Resp: 1628

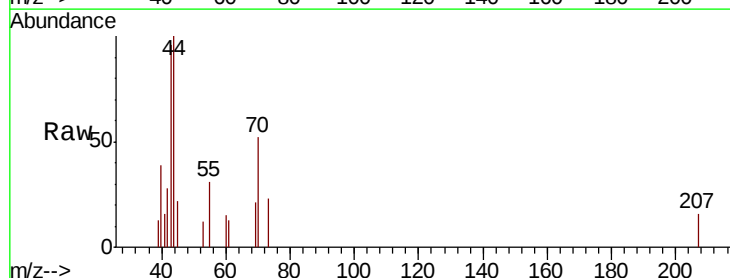
Ion Ratio Lower Upper

43 100

70 42.0 37.1 55.7

55 33.6 19.1 28.7#

61 18.1 20.8 31.2#

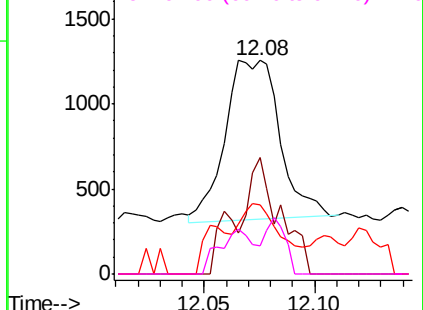
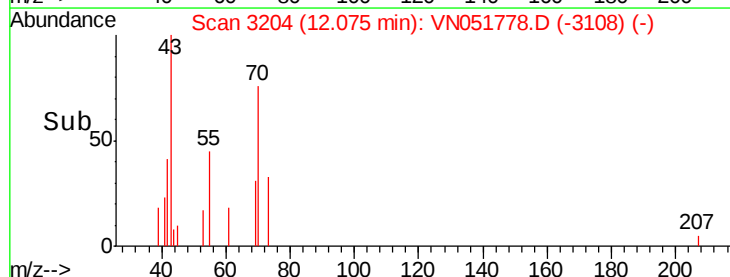


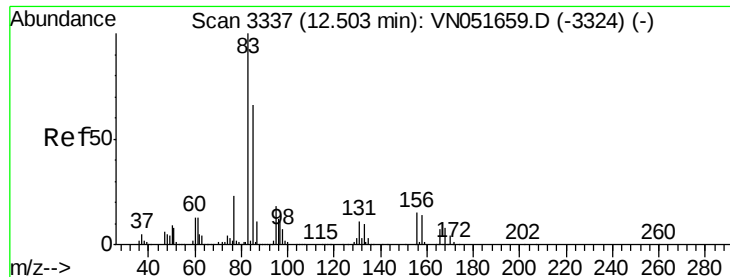
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3339

Delta R.T. 0.01 min

Lab File: VN051778.D

Acq: 10 Oct 2018 9:55

Instrument :

MSVOA_N

ClientSampled :

VN1010WBL01

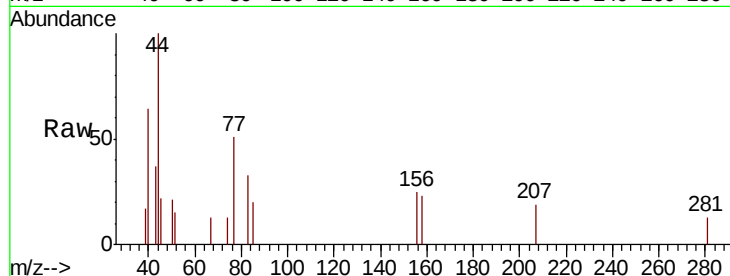
Tot Ion: 83 Resp: 620

Ion Ratio Lower Upper

83 100

131 4.7 5.7 17.1#

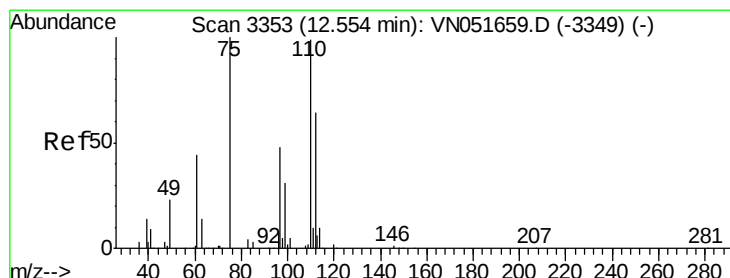
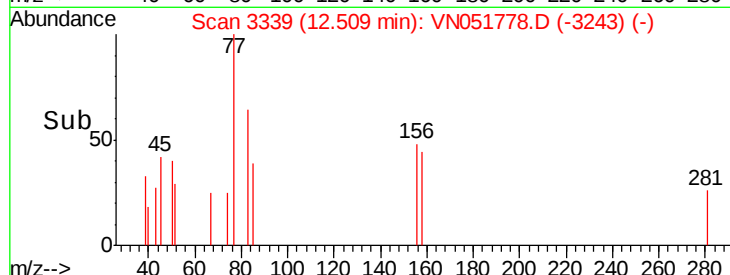
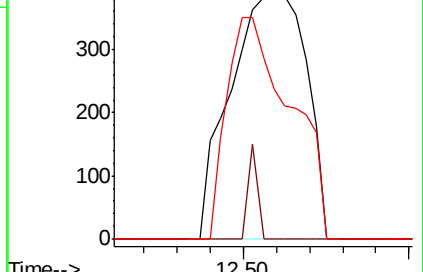
85 76.0 33.0 98.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 51.353 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051778.D

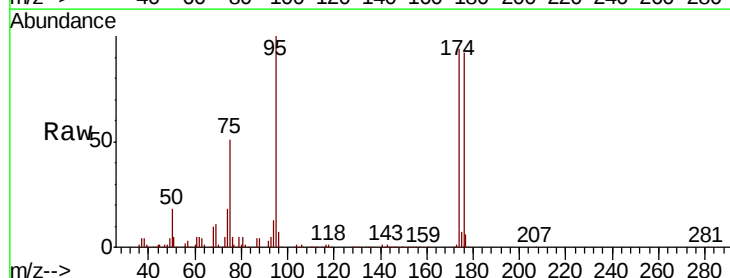
Acq: 10 Oct 2018 9:55

Tgt Ion: 75 Resp: 226713

Ion Ratio Lower Upper

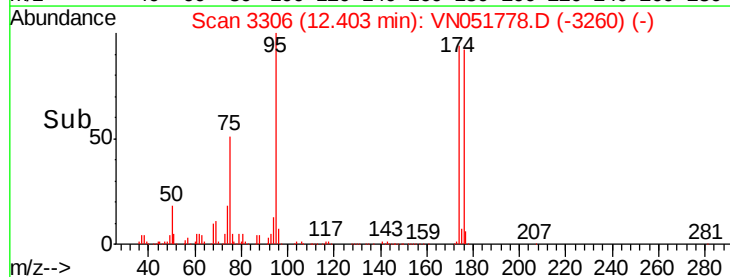
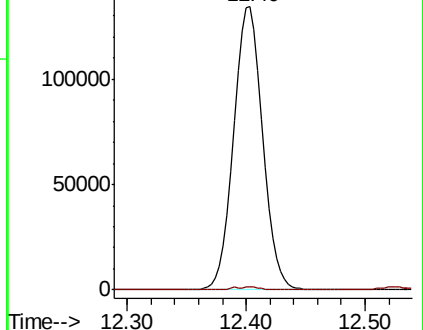
75 100

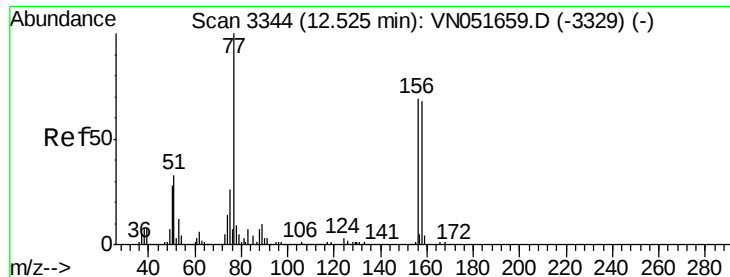
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 0.202 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051778.D

Acq: 10 Oct 2018 9:55

Instrument :

MSVOA_N

ClientSampleId :

VN1010WBL01

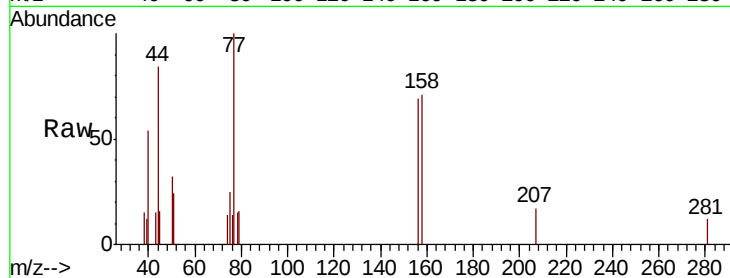
Tot Ion:156 Resp: 1498

Ion Ratio Lower Upper

156 100

77 162.8 83.2 249.4

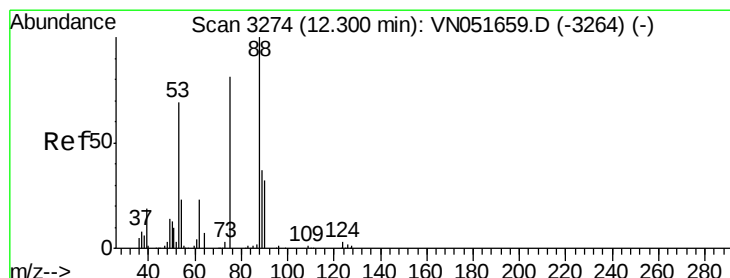
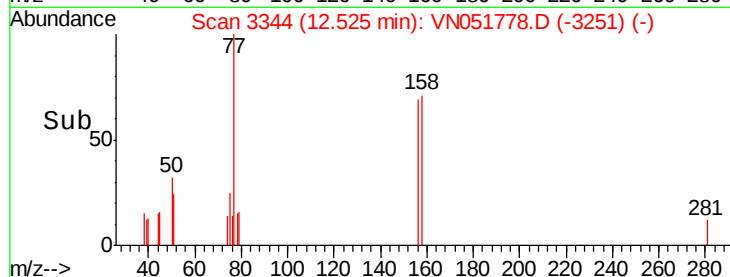
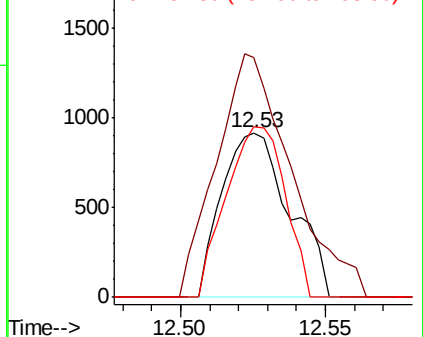
158 89.4 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 117.037 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051778.D

Acq: 10 Oct 2018 9:55

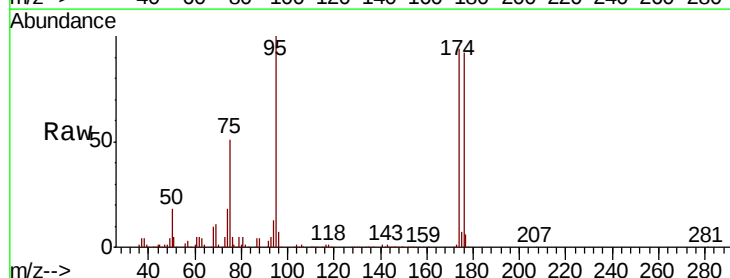
Tgt Ion: 75 Resp: 226713

Ion Ratio Lower Upper

75 100

53 0.0 68.6 102.8#

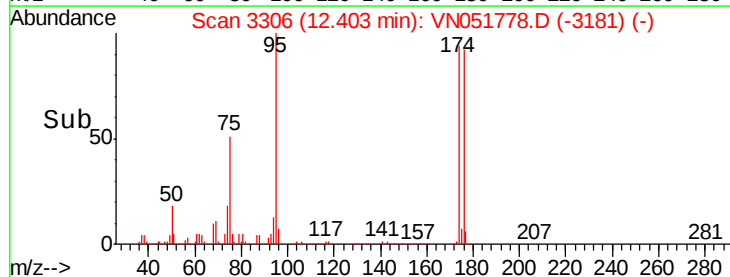
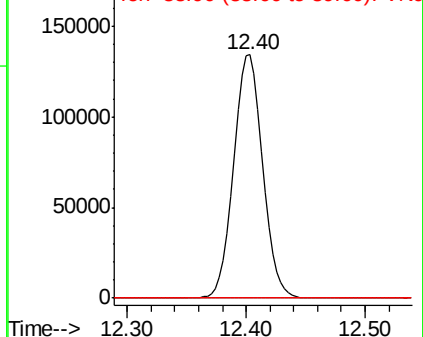
89 0.0 39.4 59.2#

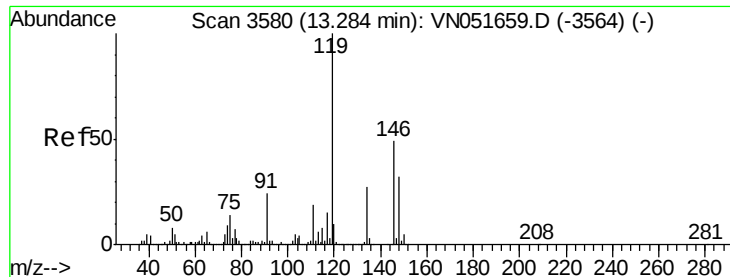


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#87

1,3-Dichlorobenzene

Concen: 0.251 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN051778.D

Acq: 10 Oct 2018 9:55

Instrument :

MSVOA_N

ClientSampled :

VN1010WBL01

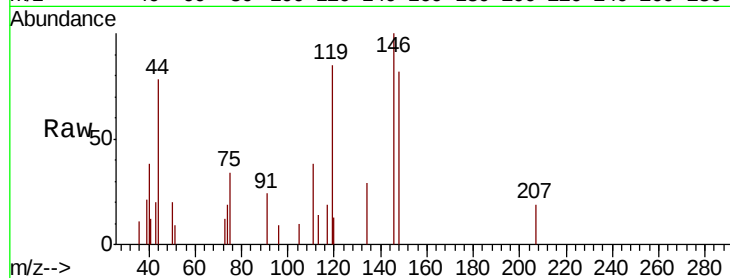
Tot Ion:146 Resp: 3250

Ion Ratio Lower Upper

146 100

111 37.6 19.3 57.9

148 64.0 32.5 97.5

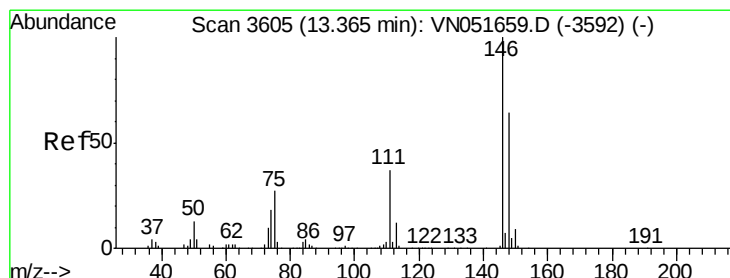
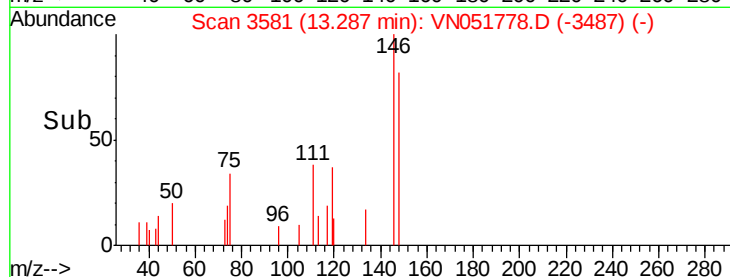
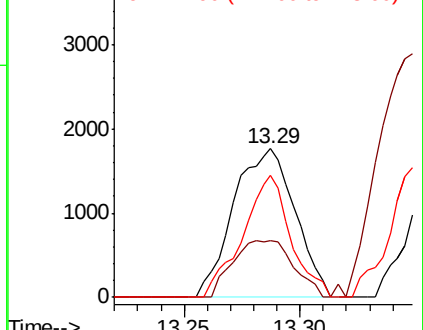


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 0.255 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.08 min

Lab File: VN051778.D

Acq: 10 Oct 2018 9:55

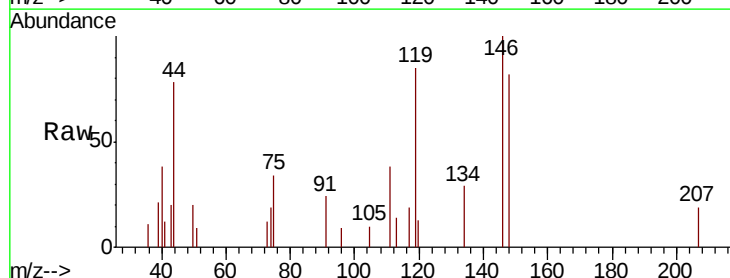
Tgt Ion:146 Resp: 3250

Ion Ratio Lower Upper

146 100

111 37.6 18.6 55.8

148 64.0 32.3 96.8

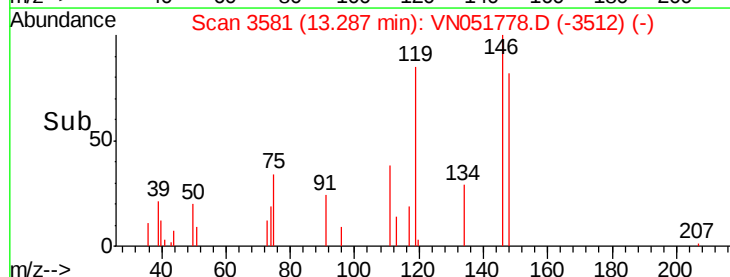
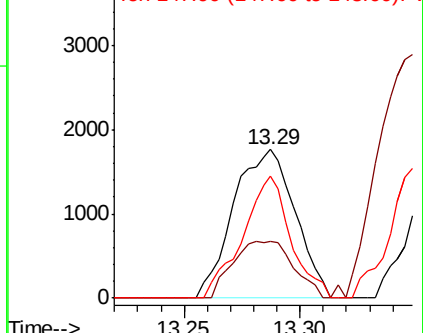


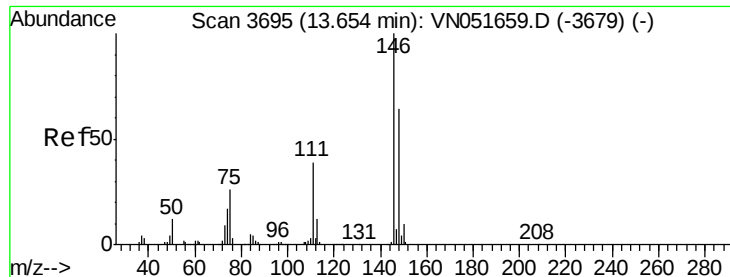
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

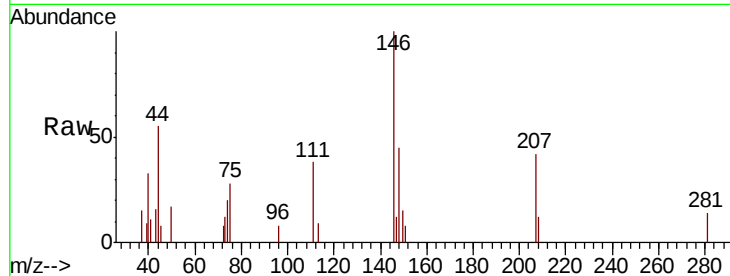




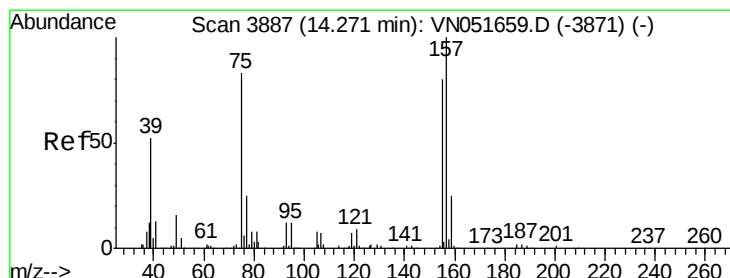
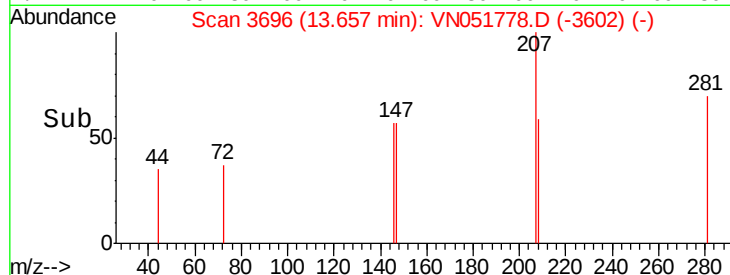
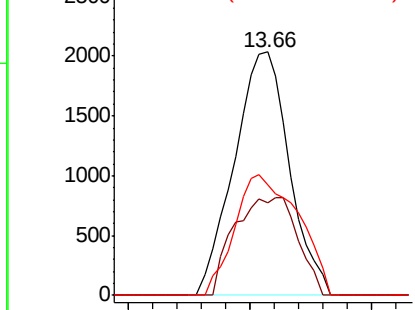
#91
 1,2-Dichlorobenzene
 Concen: 0.247 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN051778.D
 Acq: 10 Oct 2018 9:55

Instrument :
 MSVOA_N
 ClientSampled :
 VN1010WBL01

Tot Ion:146 Resp: 3179
 Ion Ratio Lower Upper
 146 100
 111 46.3 19.7 59.0
 148 57.3 32.1 96.3

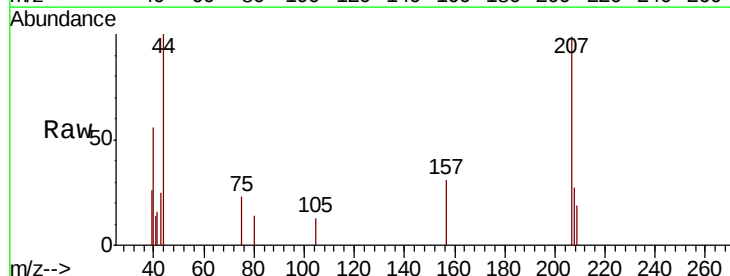


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

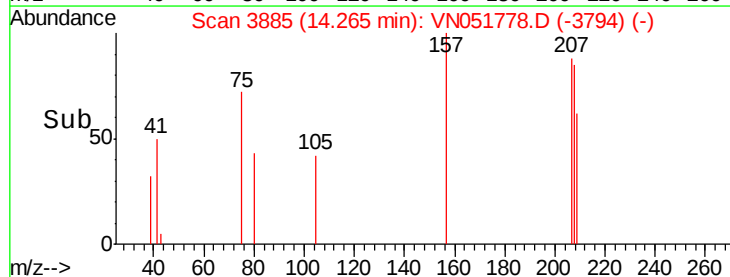
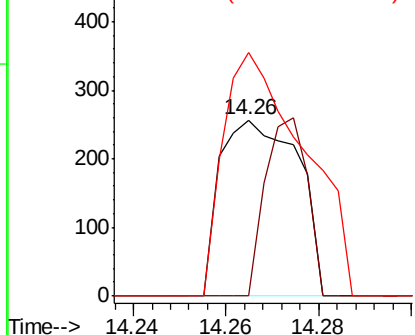


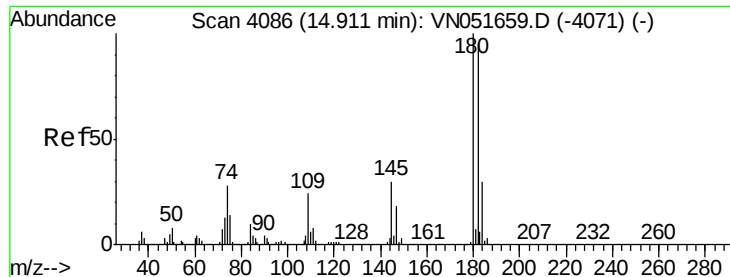
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.281 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.01 min
 Lab File: VN051778.D
 Acq: 10 Oct 2018 9:55

Tgt Ion: 75 Resp: 300
 Ion Ratio Lower Upper
 75 100
 155 54.3 47.6 142.9
 157 143.3 61.7 185.1



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

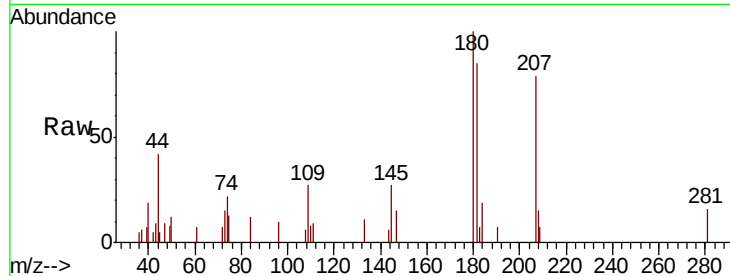




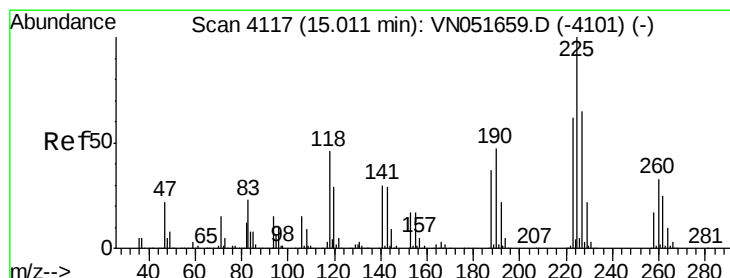
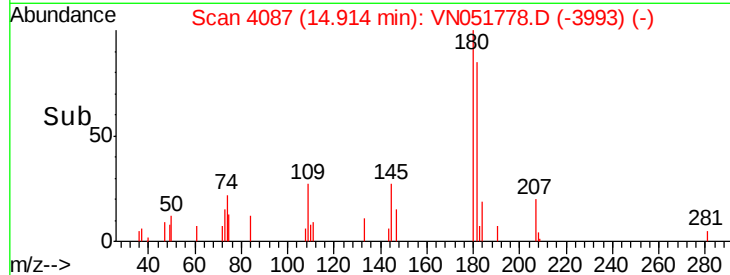
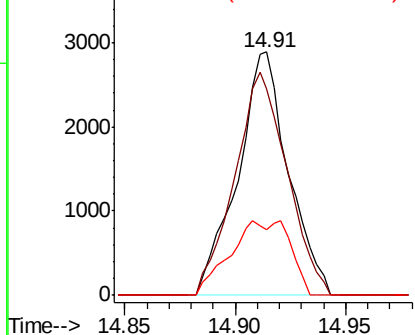
#93
 1,2,4-Trichlorobenzene
 Concen: 0.806 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN051778.D
 Acq: 10 Oct 2018 9:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010WBL01

Tot Ion:180 Resp: 4611
 Ion Ratio Lower Upper
 180 100
 182 94.6 47.7 143.1
 145 23.1 15.3 45.9

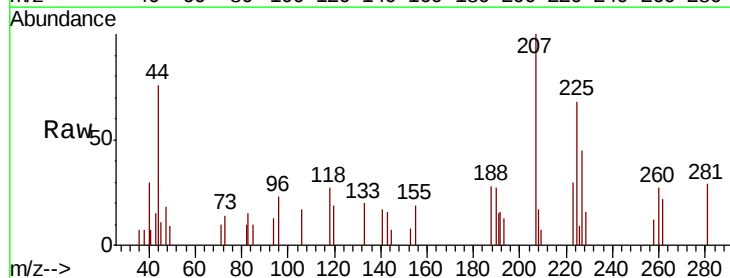


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

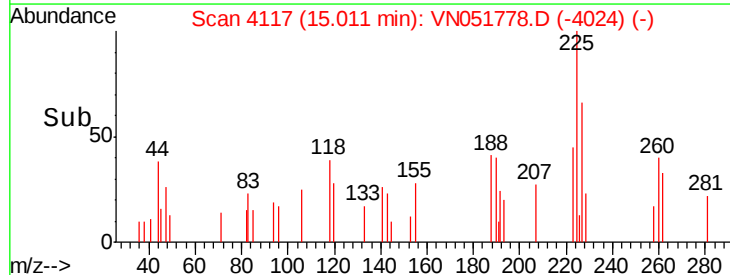
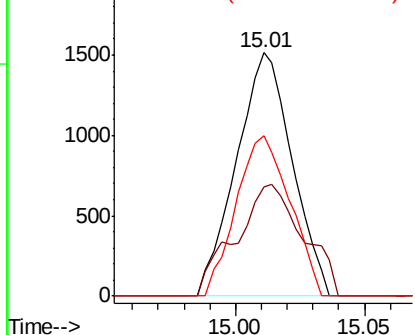


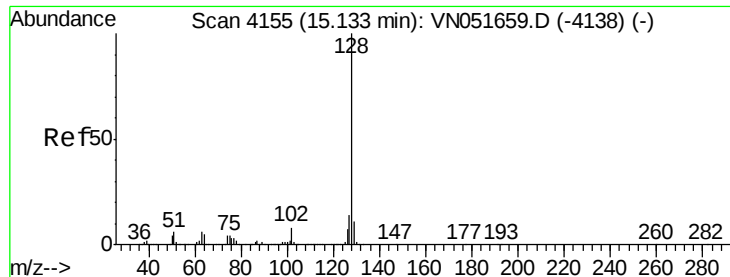
#94
 Hexachlorobutadiene
 Concen: 0.588 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051778.D
 Acq: 10 Oct 2018 9:55

Tgt Ion:225 Resp: 2281
 Ion Ratio Lower Upper
 225 100
 223 55.3 31.9 95.5
 227 63.3 31.7 95.1



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: 1.193 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051778.D

Acq: 10 Oct 2018 9:55

Instrument :

MSVOA_N

ClientSampleId :

VN1010WBL01

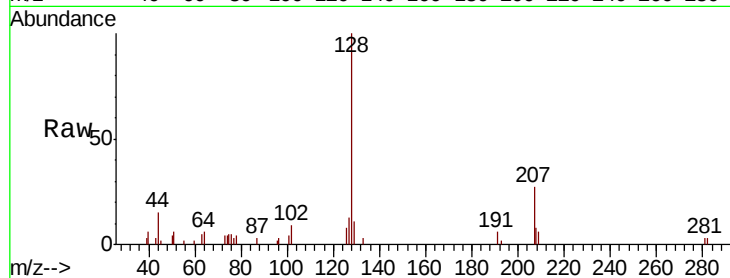
Tot Ion:128 Resp: 14739

Ion Ratio Lower Upper

128 100

127 13.4 10.6 15.8

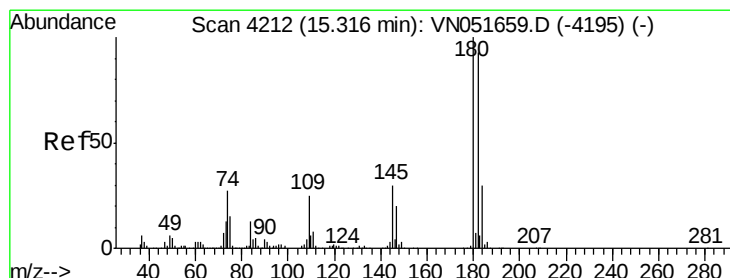
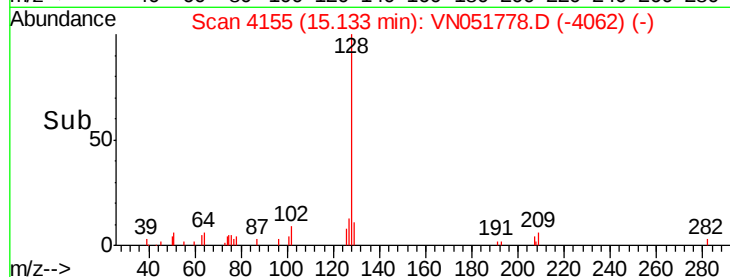
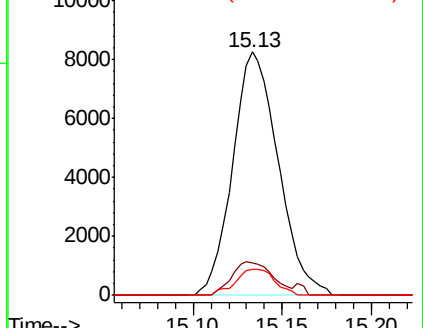
129 9.3 9.0 13.6



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: 0.872 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN051778.D

Acq: 10 Oct 2018 9:55

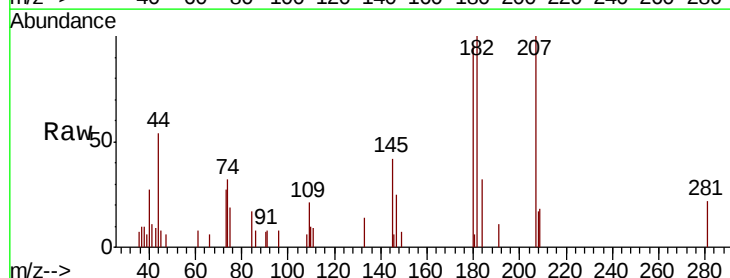
Tgt Ion:180 Resp: 4912

Ion Ratio Lower Upper

180 100

182 114.6 47.3 141.8

145 35.8 15.6 46.8



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

