

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062818\
 Data File : VN049618.D
 Acq On : 29 Jun 2018 4:17
 Operator : MD\SY
 Sample : PB110663TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 29 08:36:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1042488	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1702895	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1400471	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	521533	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	682910	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
35) Dibromofluoromethane	7.59	113	567433	41.19	ug/l	0.00
Spiked Amount			Recovery	=	82.38%	
50) Toluene-d8	10.09	98	2263670	43.15	ug/l	0.00
Spiked Amount			Recovery	=	86.30%	
62) 4-Bromofluorobenzene	12.40	95	643784	37.12	ug/l	0.00
Spiked Amount			Recovery	=	74.24%	

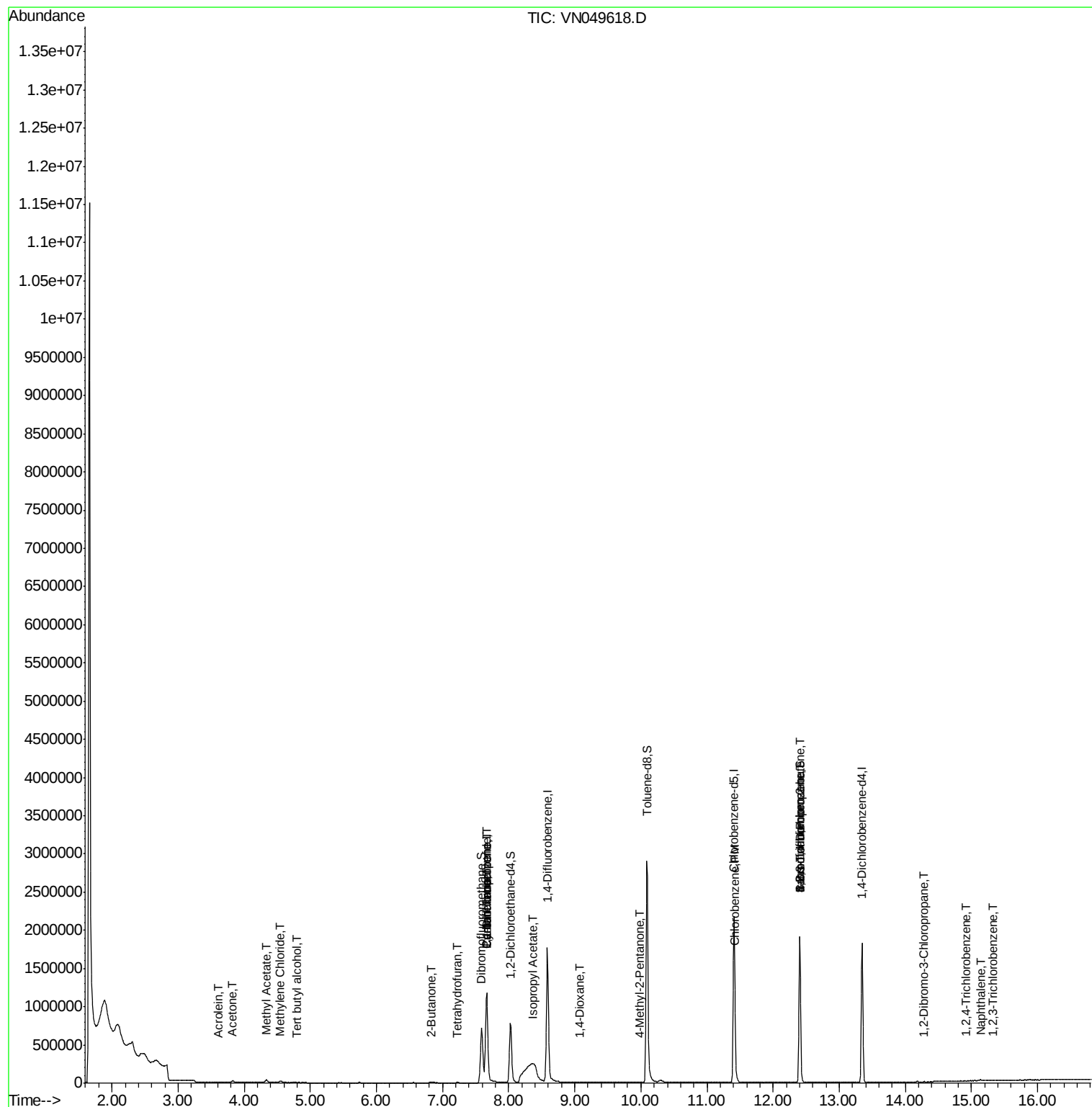
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.79	59	169	0.21	ug/l #	70
13) Acrolein	3.61	56	1868	2.19	ug/l #	33
16) Acetone	3.83	43	40153	11.96	ug/l	94
18) Methyl Acetate	4.33	43	72440	7.08	ug/l #	90
20) Methylene Chloride	4.54	84	16721	1.19	ug/l	88
25) 2-Butanone	6.84	43	2265	0.50	ug/l #	85
29) Tetrahydrofuran	7.22	42	2138	0.74	ug/l	95
31) Cyclohexane	7.67	56	18775	0.74	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	73054	3.74	ug/l #	51
38) Carbon Tetrachloride	7.67	117	94080	4.66	ug/l #	18
43) Isopropyl Acetate	8.37	43	814666	40.19	ug/l #	64
49) 1,4-Dioxane	9.08	88	59	0.45	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	3229	0.30	ug/l	92
65) Chlorobenzene	11.43	112	7306	0.20	ug/l	94
71) Bromoform	12.40	173	4957	0.56	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.45	83	76	Below	Cal #	26
76) 1,2,3-Trichloropropane	12.40	75	313794	35.26	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	313794	111.45	ug/l #	9
90) Hexachloroethane	13.87	117	30	Below	Cal #	9
92) 1,2-Dibromo-3-Chloropropan	14.28	75	412	0.26	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.91	180	121	4.75	ug/l #	53
95) Naphthalene	15.13	128	9481	2.73	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.31	180	134	3.47	ug/l #	42

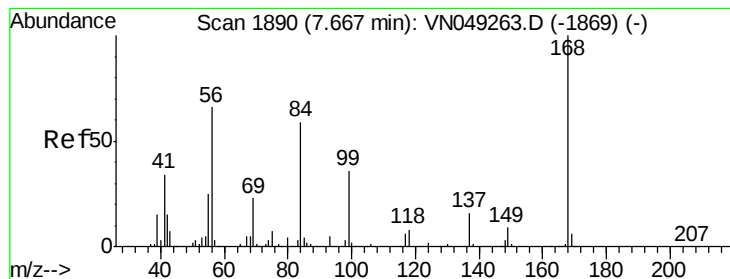
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049618.D

Acq: 29 Jun 2018 4:17

Instrument :

MSVOA_N

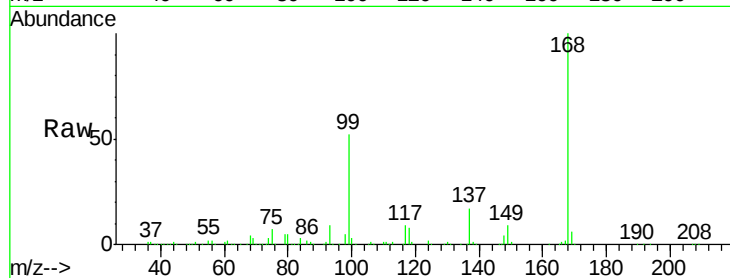
ClientSampled :

Tot Ion:168 Resp: 1042488

Ion Ratio Lower Upper

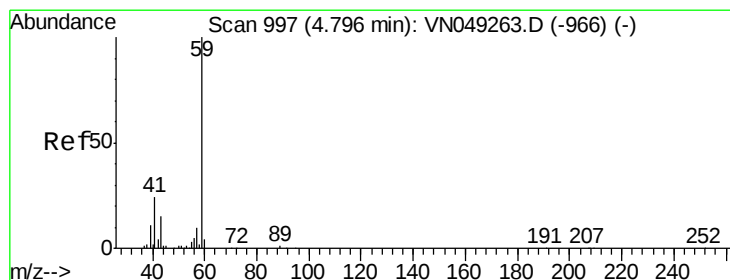
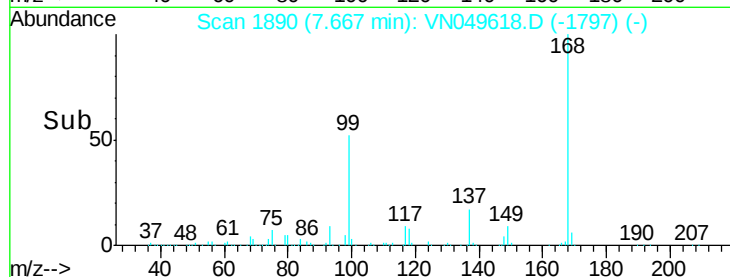
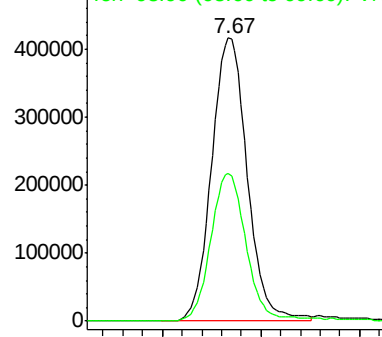
168 100

99 52.3 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 0.21 ug/l

RT: 4.79 min Scan# 996

Delta R.T. -0.00 min

Lab File: VN049618.D

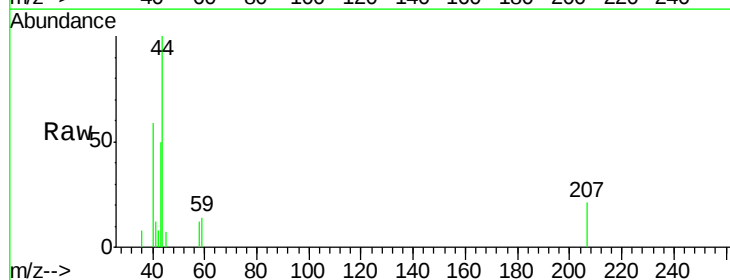
Acq: 29 Jun 2018 4:17

Tgt Ion: 59 Resp: 169

Ion Ratio Lower Upper

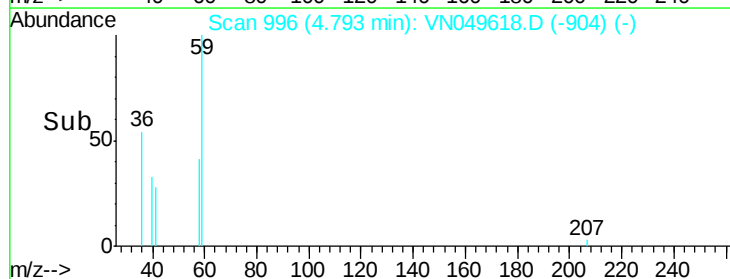
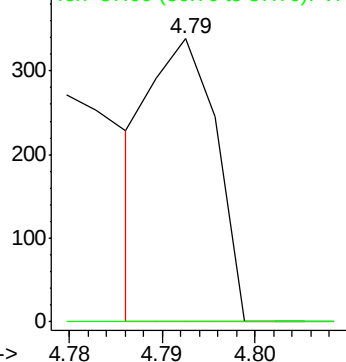
59 100

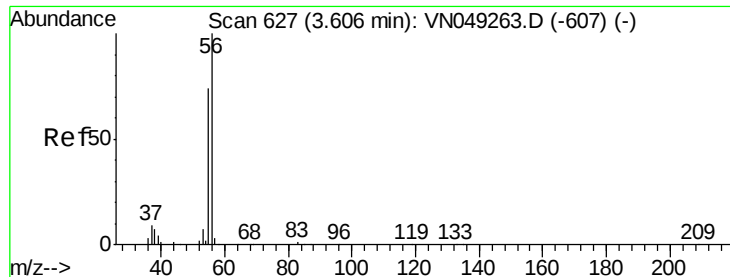
57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#13

Acrolein

Concen: 2.19 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN049618.D

Acq: 29 Jun 2018 4:17

Instrument :

MSVOA_N

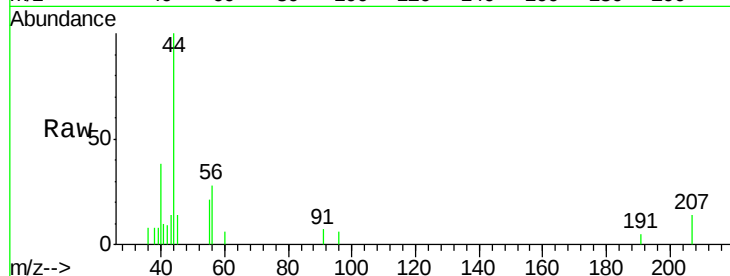
ClientSampleId :

Tot Ion: 56 Resp: 1868

Ion Ratio Lower Upper

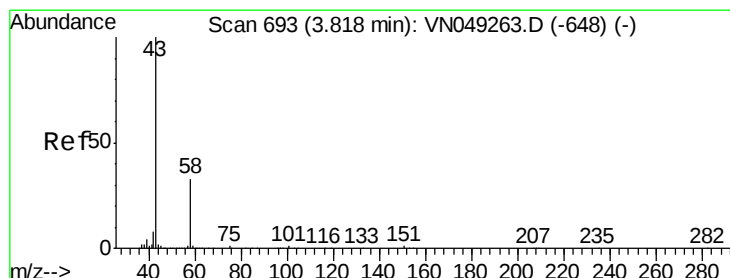
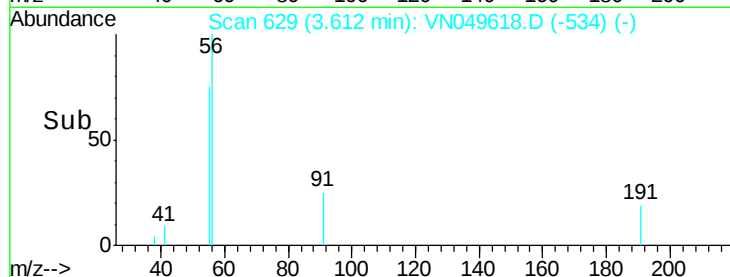
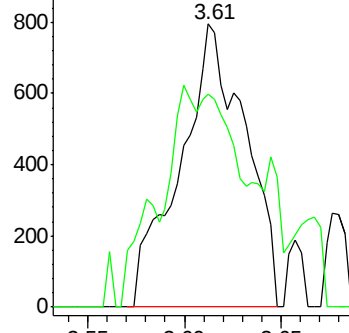
56 100

55 15.7 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 11.96 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049618.D

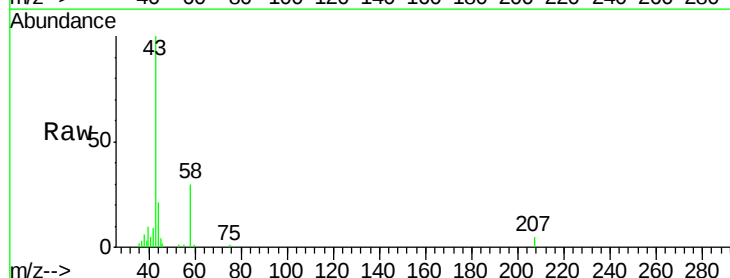
Acq: 29 Jun 2018 4:17

Tgt Ion: 43 Resp: 40153

Ion Ratio Lower Upper

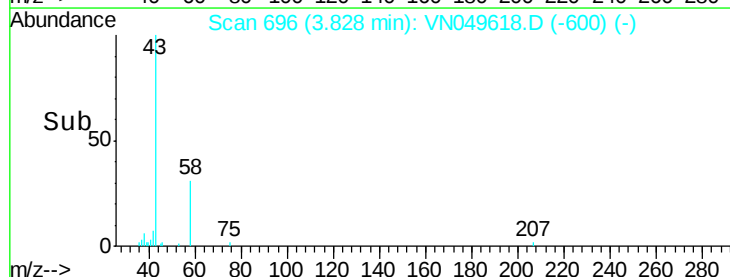
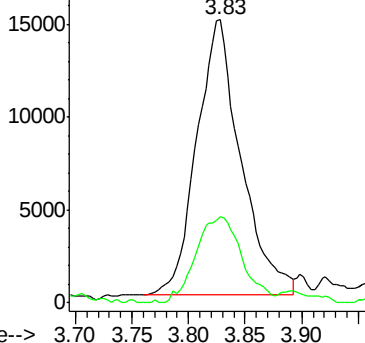
43 100

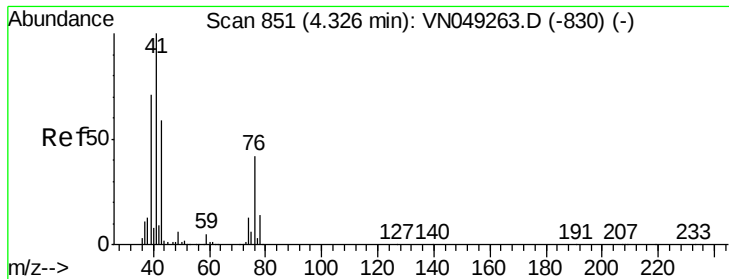
58 31.3 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

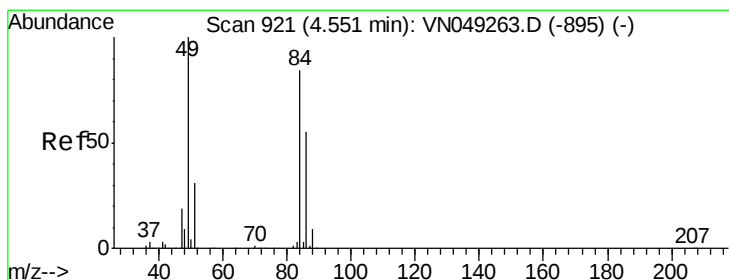
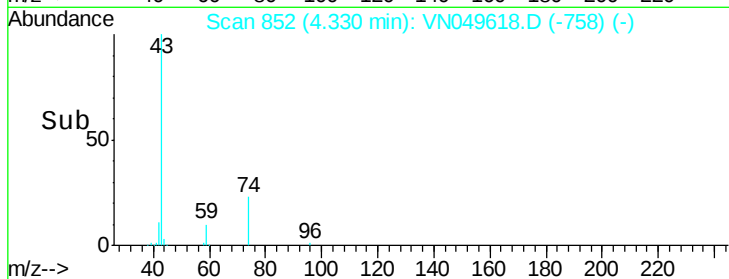
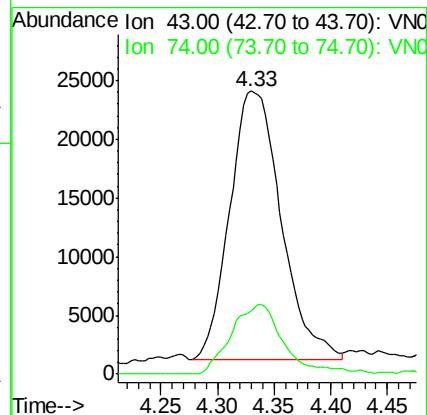
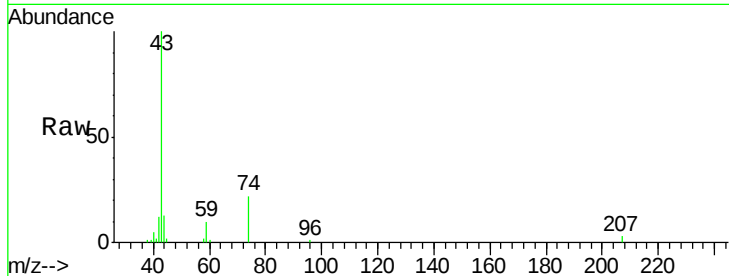




#18
Methvl Acetate
Concen: 7.08 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049618.D
Acq: 29 Jun 2018 4:17

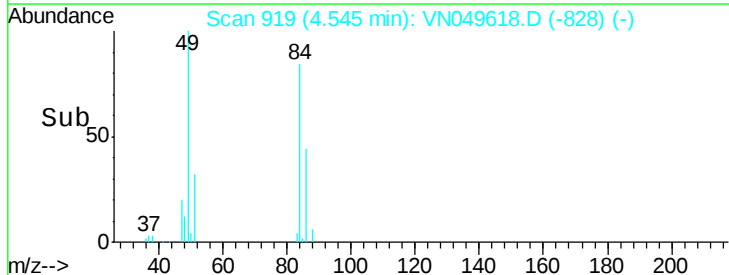
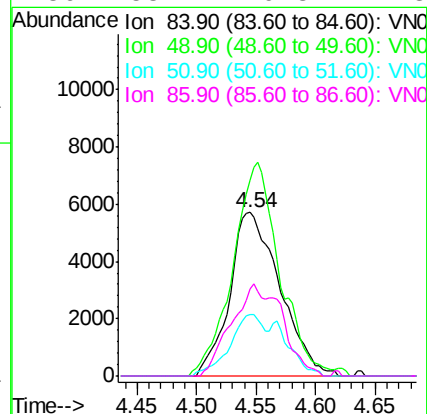
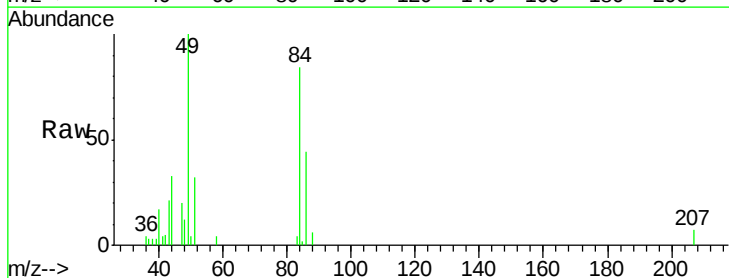
Instrument :
MSVOA_N
ClientSampled :

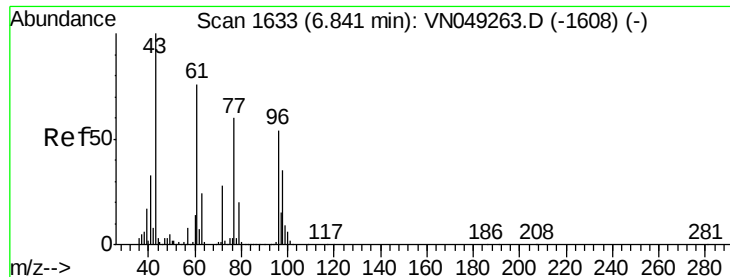
Tot Ion: 43 Resp: 72440
Ion Ratio Lower Upper
43 100
74 26.3 17.4 26.0#



#20
Methylene Chloride
Concen: 1.19 ug/l
RT: 4.54 min Scan# 919
Delta R.T. -0.01 min
Lab File: VN049618.D
Acq: 29 Jun 2018 4:17

Tgt Ion: 84 Resp: 16721
Ion Ratio Lower Upper
84 100
49 116.7 106.9 160.3
51 37.8 32.7 49.1
86 53.2 49.8 74.8





#25

2-Butanone

Concen: 0.50 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.00 min

Lab File: VN049618.D

Acq: 29 Jun 2018 4:17

Instrument :

MSVOA_N

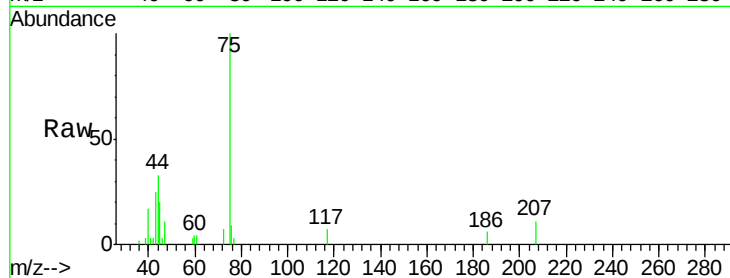
ClientSampled :

Tot Ion: 43 Resp: 2265

Ion Ratio Lower Upper

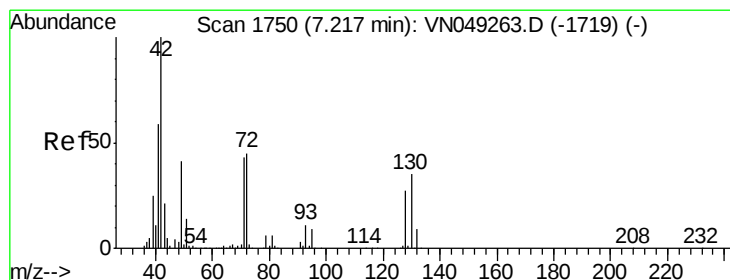
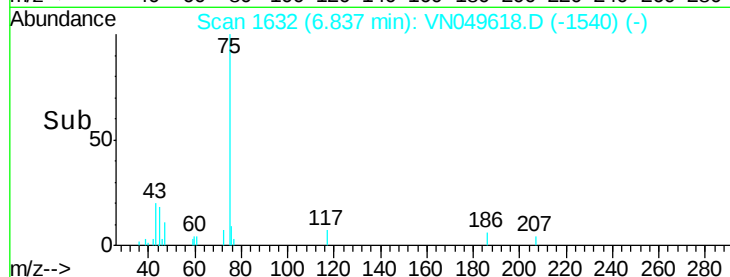
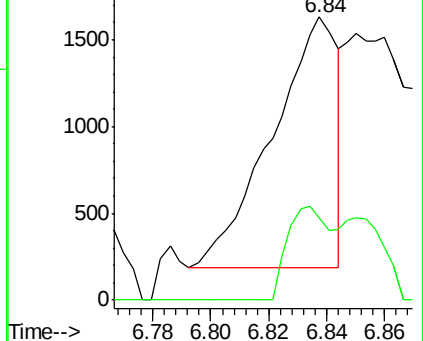
43 100

72 32.8 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#29

Tetrahydrofuran

Concen: 0.74 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN049618.D

Acq: 29 Jun 2018 4:17

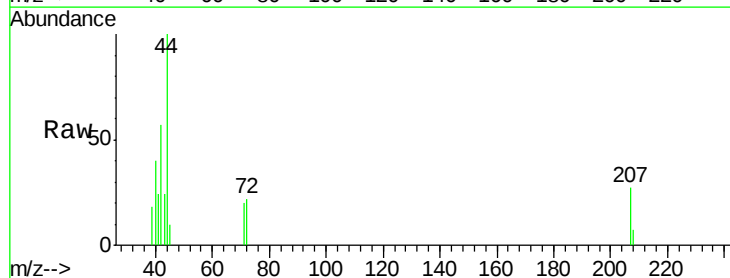
Tgt Ion: 42 Resp: 2138

Ion Ratio Lower Upper

42 100

72 39.5 32.2 48.4

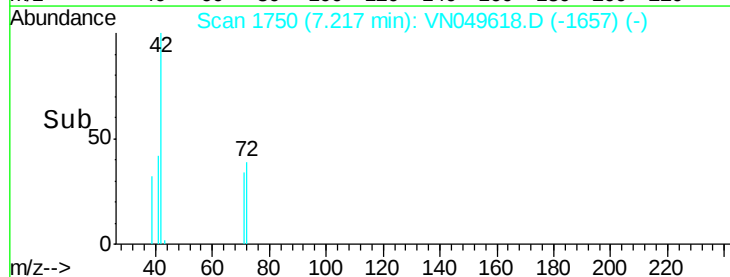
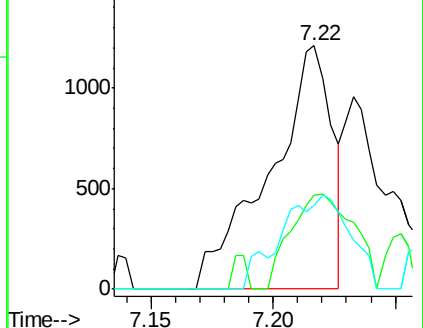
71 43.5 30.5 45.7

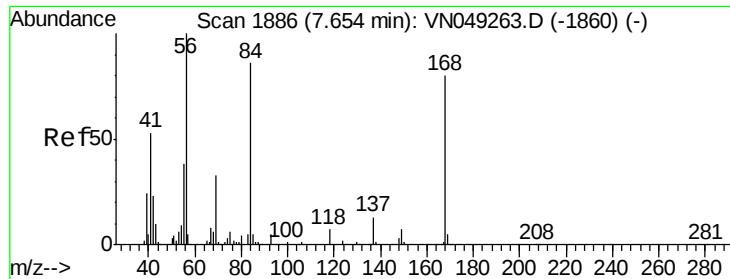


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

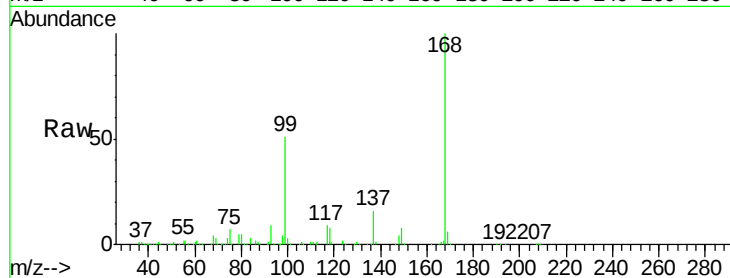




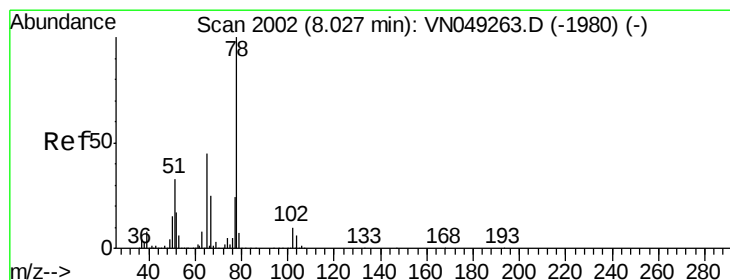
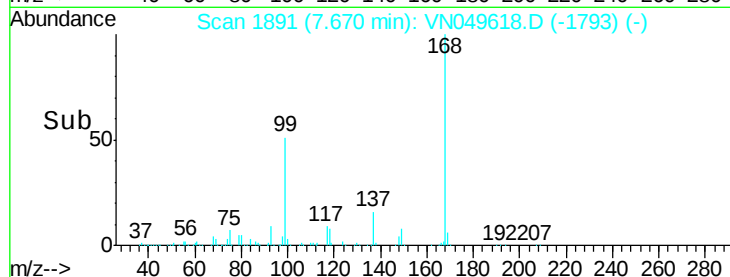
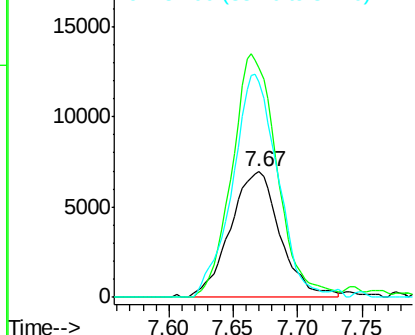
#31
Cyclohexane
Concen: 0.74 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.02 min
Lab File: VN049618.D
Acq: 29 Jun 2018 4:17

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 18775
Ion Ratio Lower Upper
56 100
69 183.4 25.0 37.4#
84 172.4 64.6 96.8#

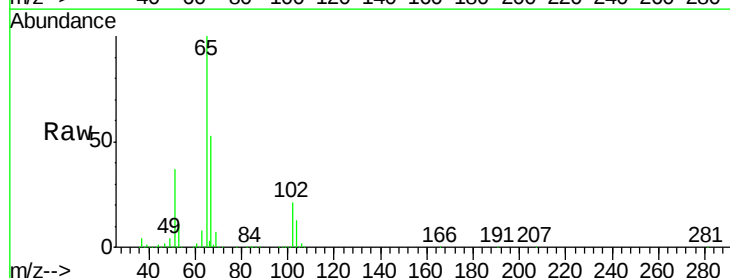


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

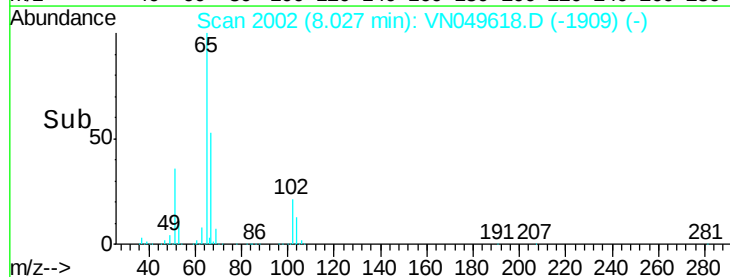
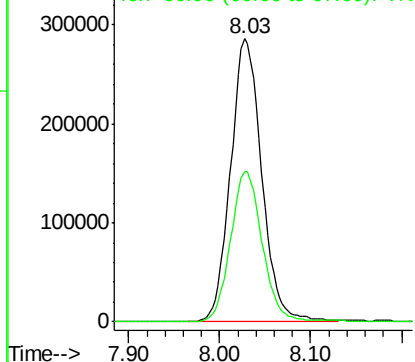


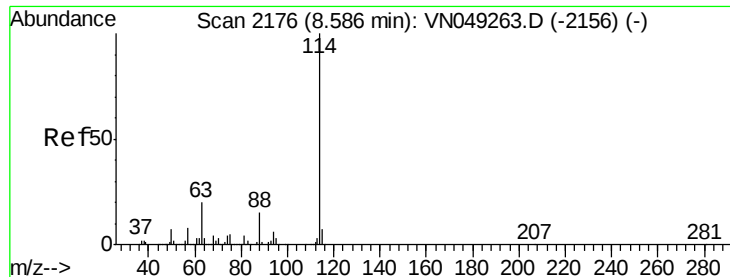
#33
1,2-Dichloroethane-d4
Concen: 49.39 ug/l
RT: 8.03 min Scan# 2002
Delta R.T. 0.00 min
Lab File: VN049618.D
Acq: 29 Jun 2018 4:17

Tgt Ion: 65 Resp: 682910
Ion Ratio Lower Upper
65 100
67 53.8 0.0 103.8



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

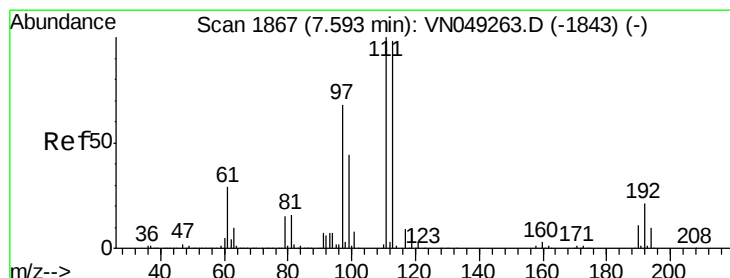
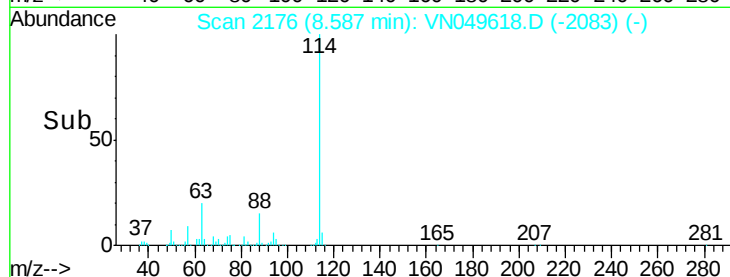
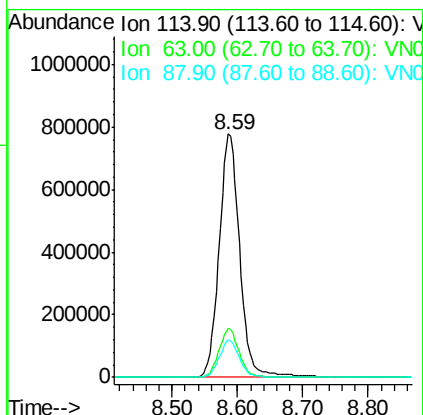
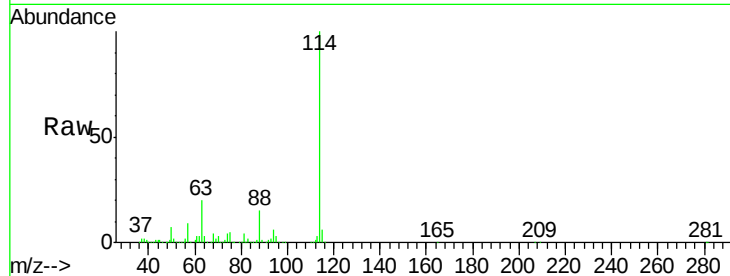




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049618.D
 Acq: 29 Jun 2018 4:17

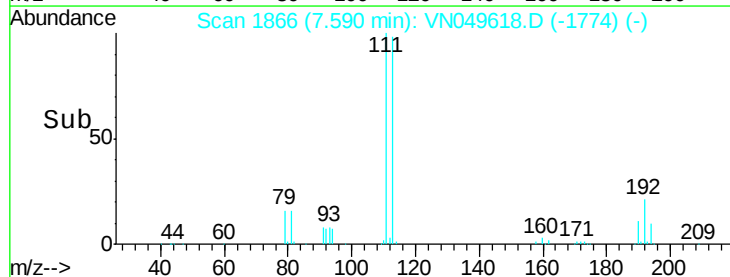
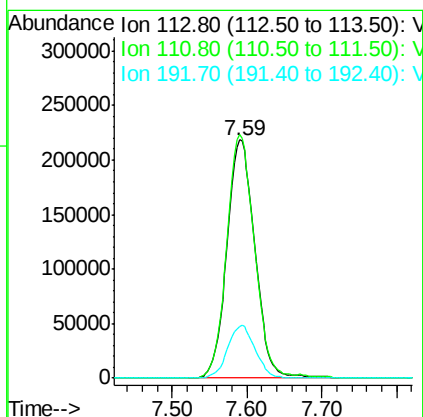
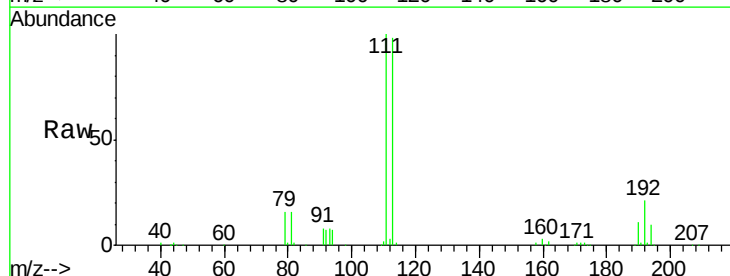
Instrument :
 MSVOA_N
 ClientSampled :

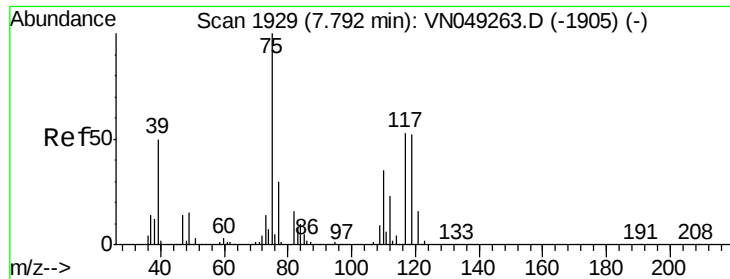
Tot Ion:114 Resp: 1702895
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 44.4
 88 15.3 0.0 31.4



#35
 Dibromofluoromethane
 Concen: 41.19 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049618.D
 Acq: 29 Jun 2018 4:17

Tgt Ion:113 Resp: 567433
 Ion Ratio Lower Upper
 113 100
 111 100.4 82.4 123.6
 192 21.8 15.0 22.6





#36

1,1-Dichloropropene

Concen: 3.74 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.13 min

Lab File: VN049618.D

Acq: 29 Jun 2018 4:17

Instrument :

MSVOA_N

ClientSampleId :

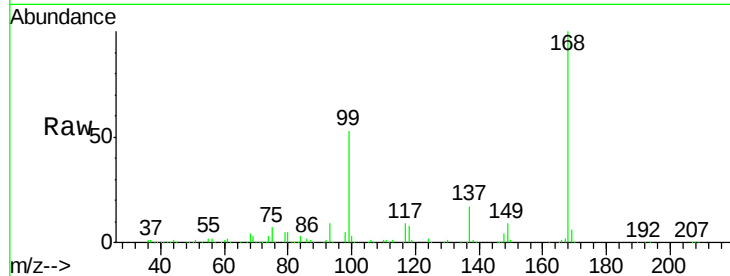
Tot Ion: 75 Resp: 73054

Ion Ratio Lower Upper

75 100

110 9.2 17.0 50.9#

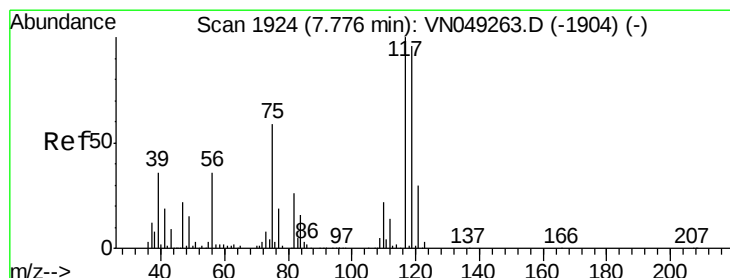
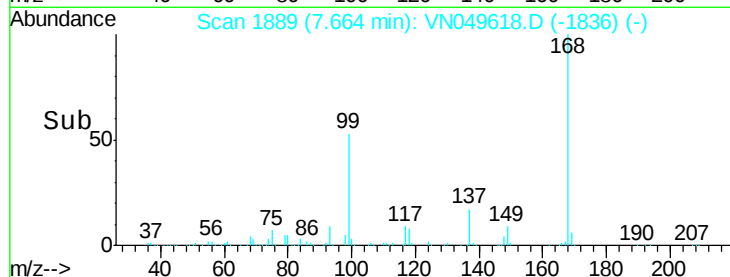
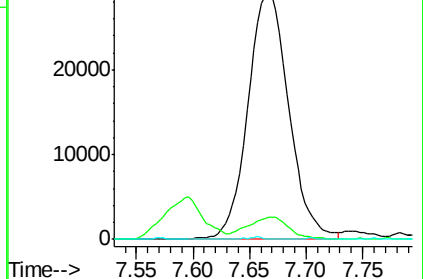
77 0.3 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VN049263.D (-1905) (-)

Ion 109.90 (109.60 to 110.60): VN049263.D (-1905) (-)

Ion 76.90 (76.60 to 77.60): VN049263.D (-1905) (-)



#38

Carbon Tetrachloride

Concen: 4.66 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049618.D

Acq: 29 Jun 2018 4:17

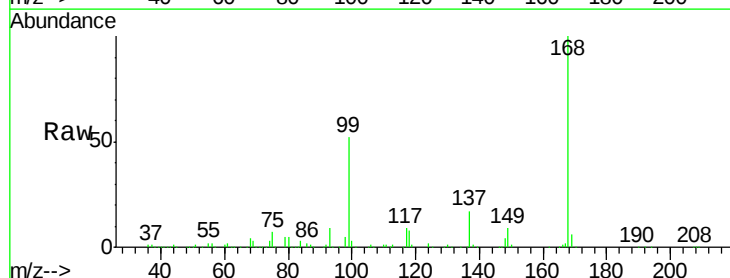
Tgt Ion: 117 Resp: 94080

Ion Ratio Lower Upper

117 100

119 6.4 75.6 113.4#

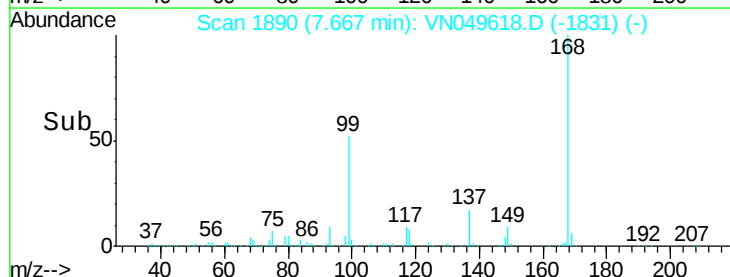
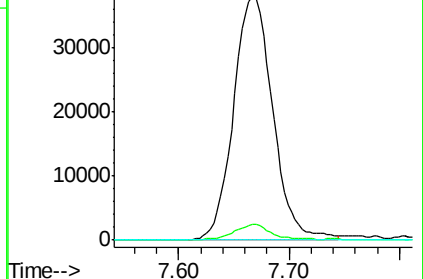
121 0.0 24.7 37.1#

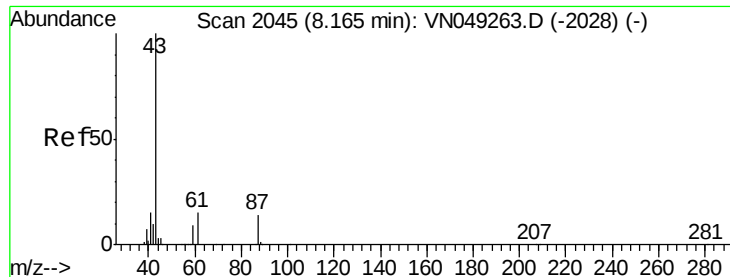


Abundance Ion 116.80 (116.50 to 117.50): VN049263.D (-1904) (-)

Ion 118.80 (118.50 to 119.50): VN049263.D (-1904) (-)

Ion 120.80 (120.50 to 121.50): VN049263.D (-1904) (-)





#43

Isopropyl Acetate

Concen: 40.19 ug/l

RT: 8.37 min Scan# 2110

Delta R.T. 0.21 min

Lab File: VN049618.D

Acq: 29 Jun 2018 4:17

Instrument :

MSVOA_N

ClientSampled :

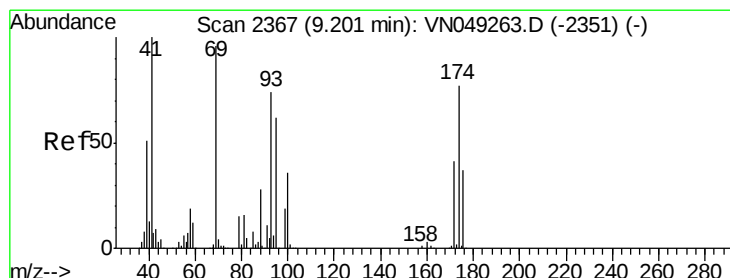
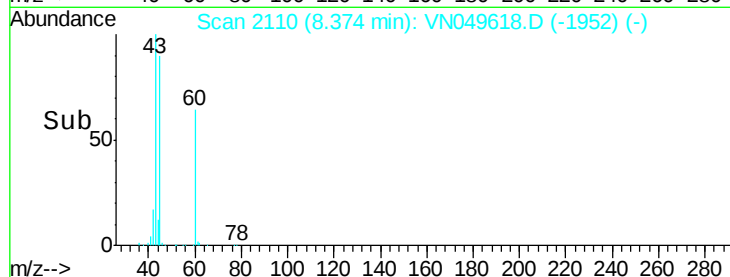
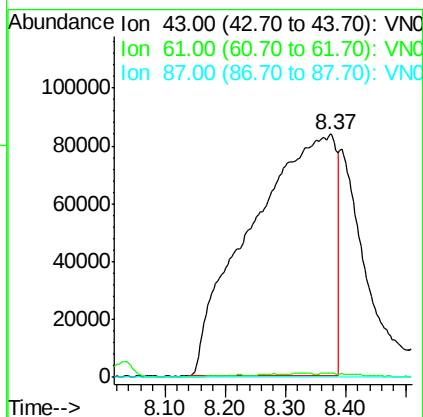
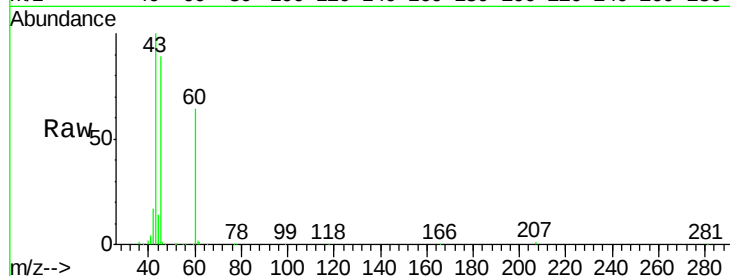
Tot Ion: 43 Resp: 814666

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

87 0.0 9.4 14.0#



#49

1,4-Dioxane

Concen: 0.45 ug/l

RT: 9.08 min Scan# 2329

Delta R.T. -0.12 min

Lab File: VN049618.D

Acq: 29 Jun 2018 4:17

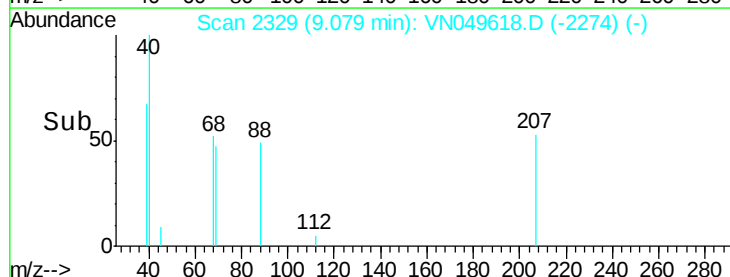
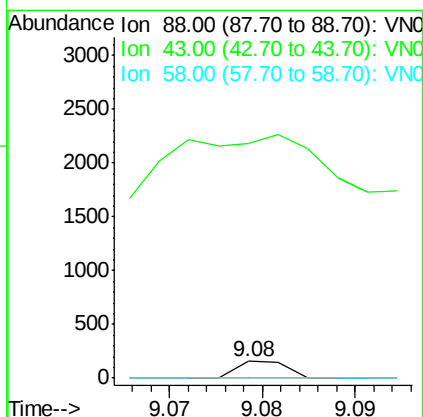
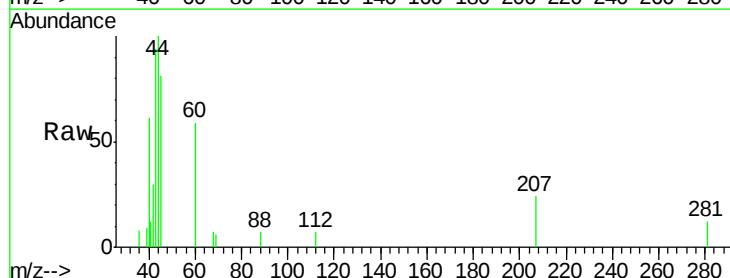
Tgt Ion: 88 Resp: 59

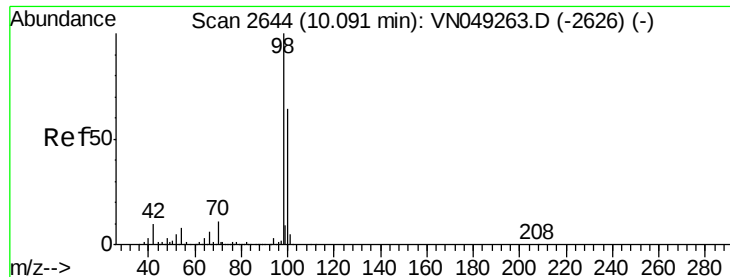
Ion Ratio Lower Upper

88 100

43 1216.9 30.9 46.3#

58 0.0 58.9 88.3#





#50

Toluene-d8

Concen: 43.15 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049618.D

Acq: 29 Jun 2018 4:17

Instrument :

MSVOA_N

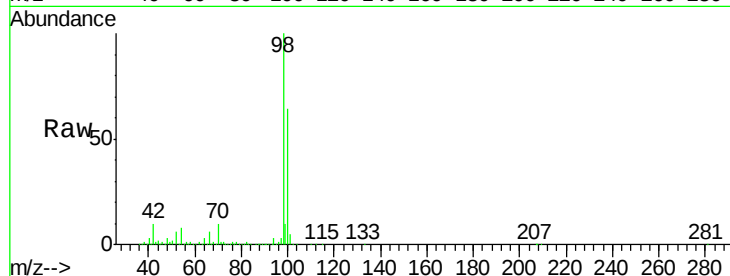
ClientSampled :

Tot Ion: 98 Resp: 2263670

Ion Ratio Lower Upper

98 100

100 63.6 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN049263.D (-2626) (-)

Ion 100.00 (99.70 to 100.70): VN049263.D (-2626) (-)

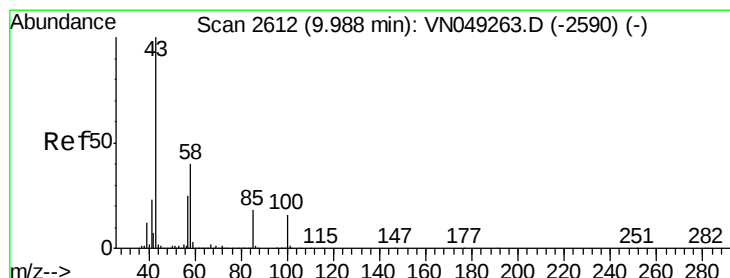
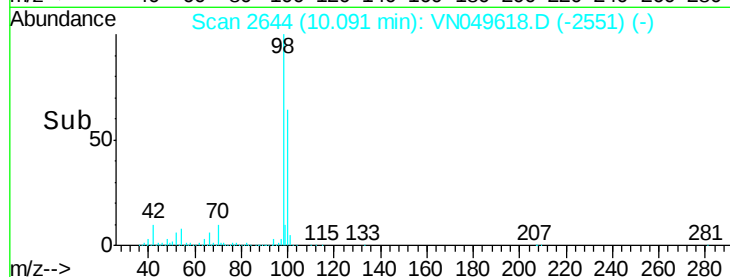
10.09

1000000

500000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.30 ug/l

RT: 9.99 min Scan# 2613

Delta R.T. 0.00 min

Lab File: VN049618.D

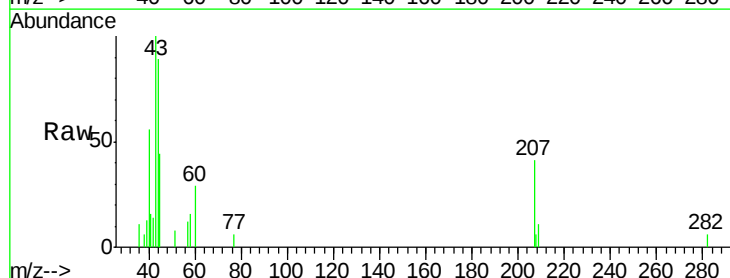
Acq: 29 Jun 2018 4:17

Tgt Ion: 43 Resp: 3229

Ion Ratio Lower Upper

43 100

58 31.7 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-2590) (-)

Ion 58.00 (57.70 to 58.70): VN049263.D (-2590) (-)

9.99

3000

2500

2000

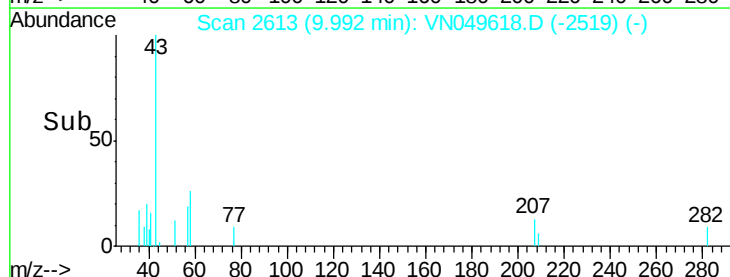
1500

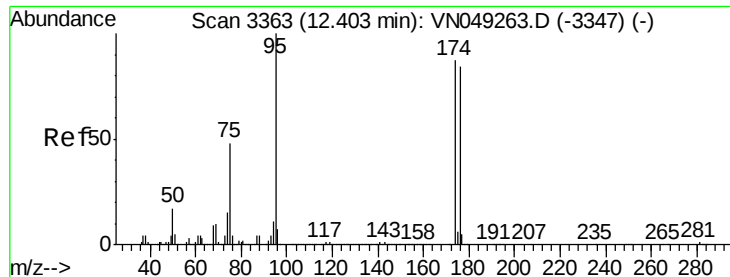
1000

500

0

Time-->

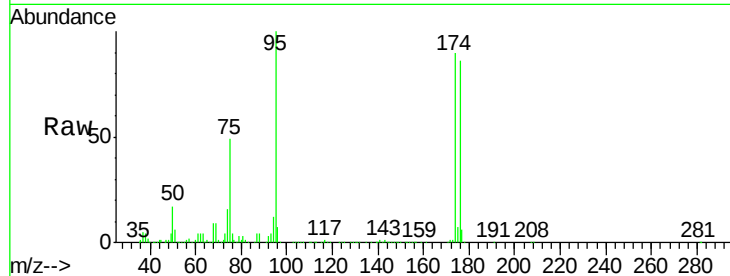




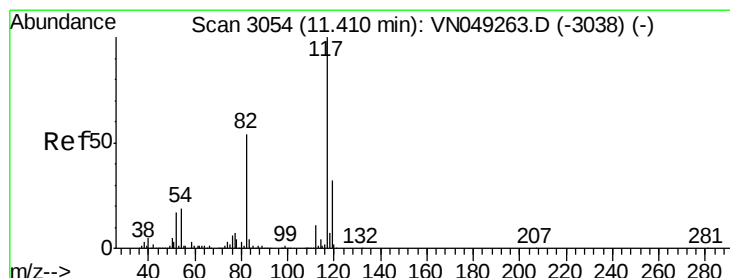
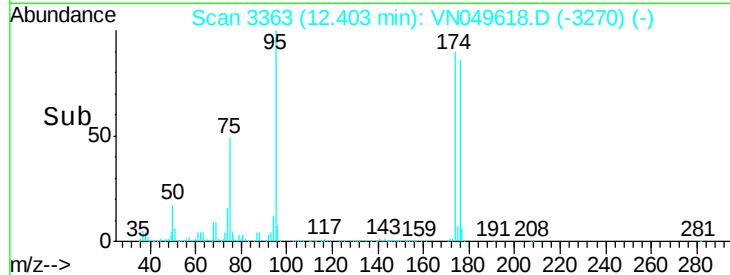
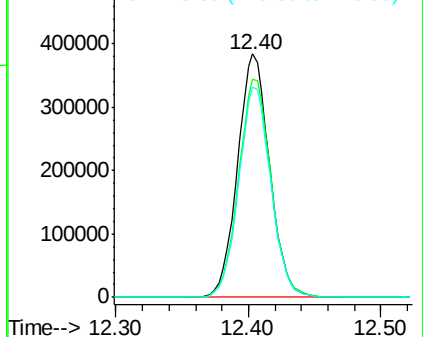
#62
4-Bromofluorobenzene
Concen: 37.12 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049618.D
Acq: 29 Jun 2018 4:17

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 95 Resp: 643784
Ion Ratio Lower Upper
95 100
174 90.9 0.0 165.6
176 86.6 0.0 157.4

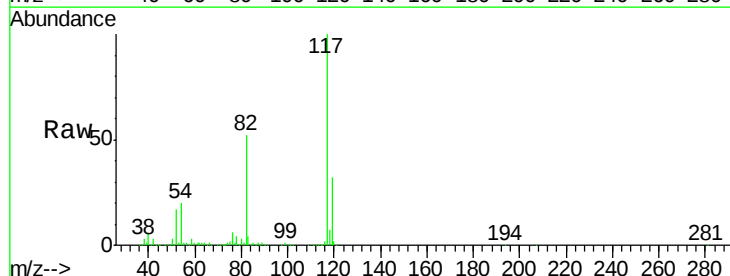


Abundance Ion 94.90 (94.60 to 95.60): VN049618.D (-3270) (-)
Ion 173.80 (173.50 to 174.50): VN049618.D (-3270) (-)
Ion 175.80 (175.50 to 176.50): VN049618.D (-3270) (-)

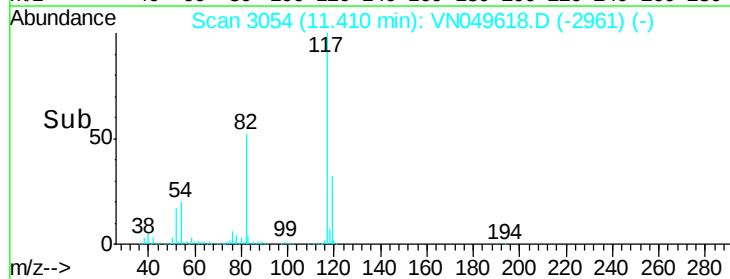
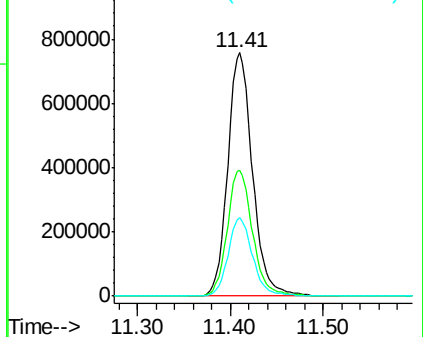


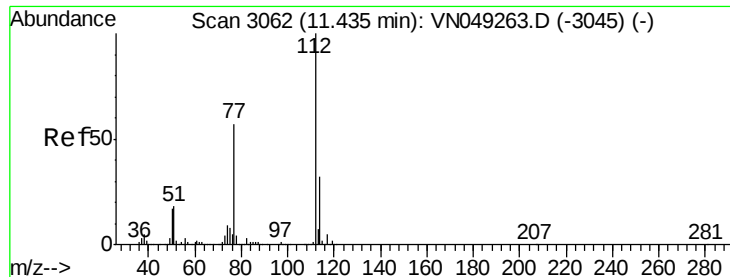
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049618.D
Acq: 29 Jun 2018 4:17

Tgt Ion: 117 Resp: 1400471
Ion Ratio Lower Upper
117 100
82 51.9 45.9 68.9
119 32.1 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VN049618.D (-2961) (-)
Ion 82.00 (81.70 to 82.70): VN049618.D (-2961) (-)
Ion 118.90 (118.60 to 119.60): VN049618.D (-2961) (-)





#65

Chlorobenzene

Concen: 0.20 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN049618.D

Acq: 29 Jun 2018 4:17

Instrument :

MSVOA_N

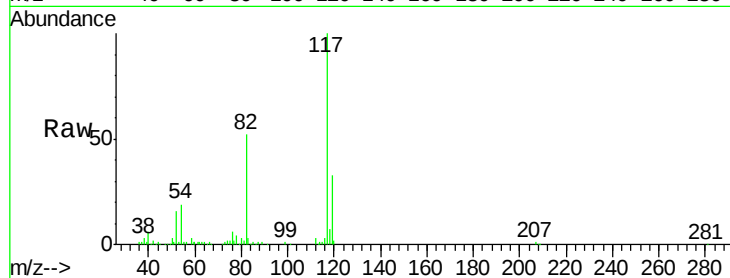
ClientSampled :

Tot Ion:112 Resp: 7306

Ion Ratio Lower Upper

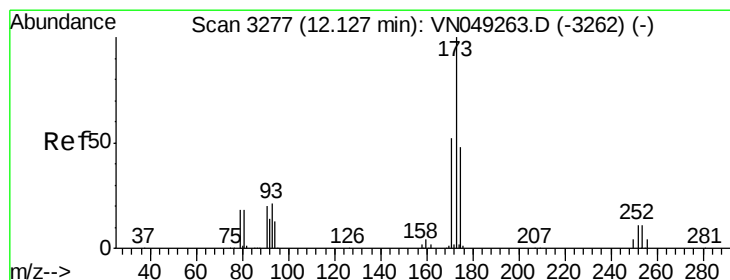
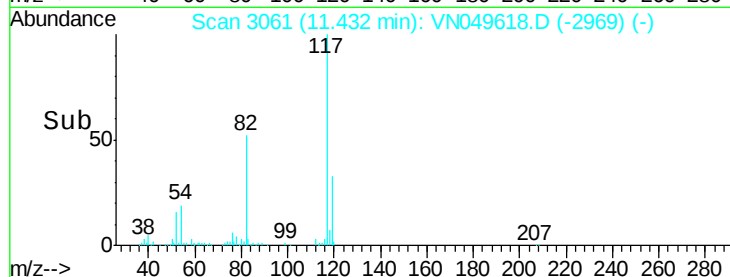
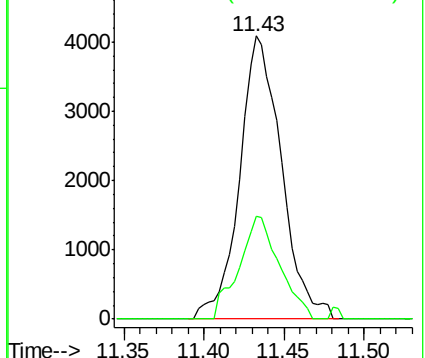
112 100

114 36.4 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#71

Bromoform

Concen: 0.56 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN049618.D

Acq: 29 Jun 2018 4:17

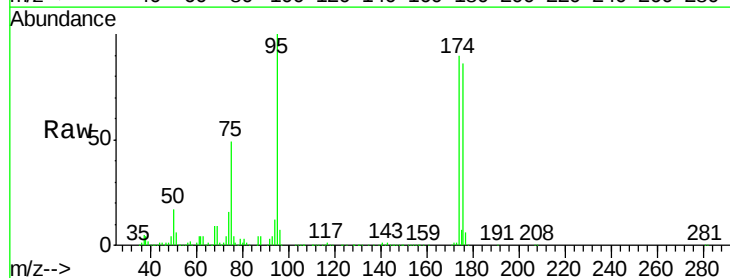
Tgt Ion:173 Resp: 4957

Ion Ratio Lower Upper

173 100

175 695.5 24.5 73.5#

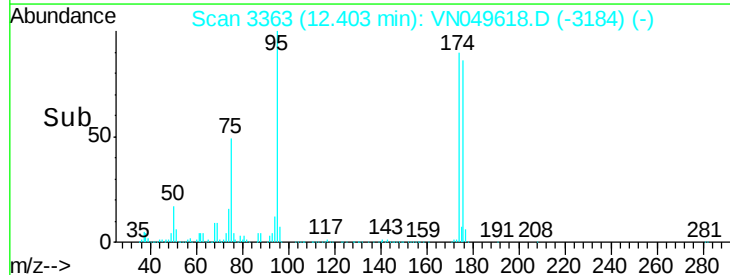
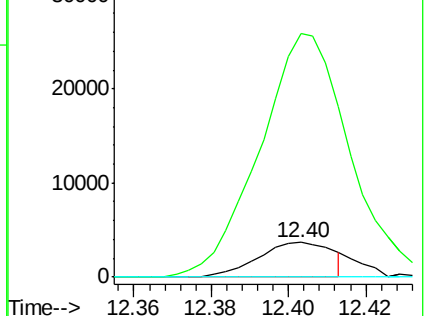
254 0.0 0.1 0.1#

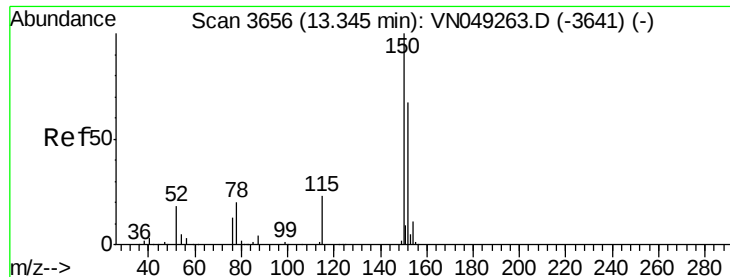


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049618.D

Acq: 29 Jun 2018 4:17

Instrument :

MSVOA_N

ClientSampleId :

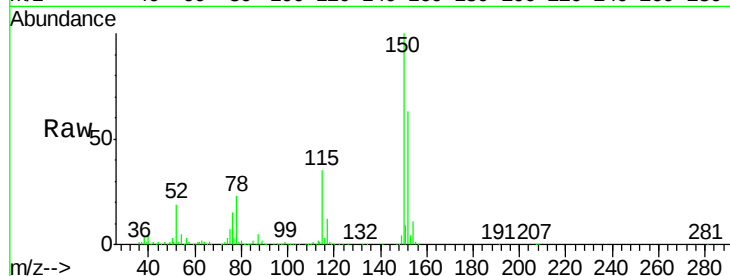
Tot Ion:152 Resp: 521533

Ion Ratio Lower Upper

152 100

115 55.7 28.7 86.1

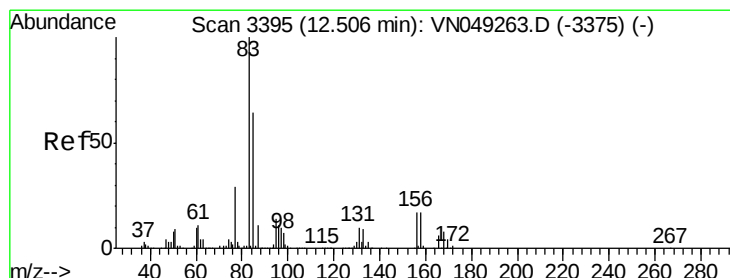
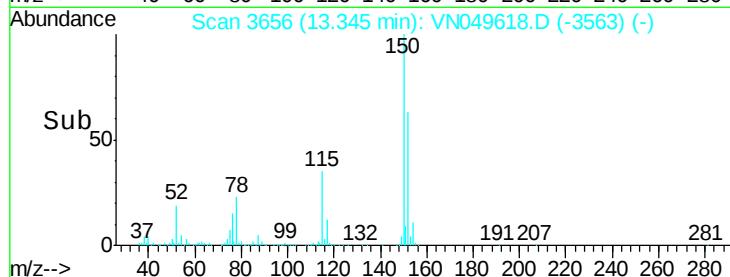
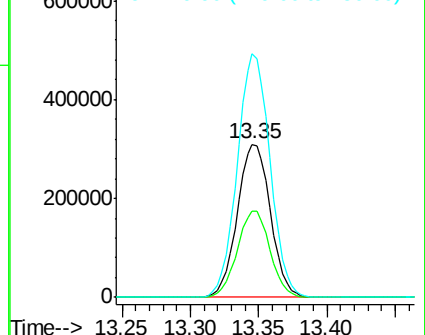
150 157.3 0.0 351.0



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: 12.45 min Scan# 3377

Delta R.T. -0.06 min

Lab File: VN049618.D

Acq: 29 Jun 2018 4:17

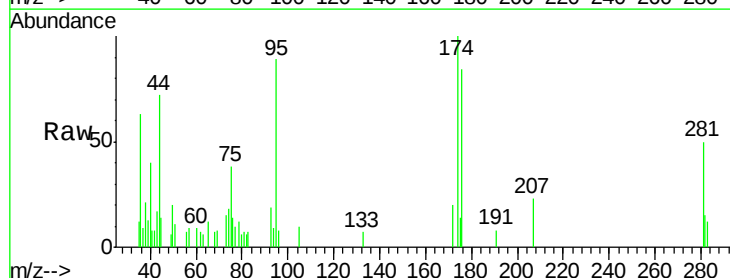
Tgt Ion: 83 Resp: 76

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

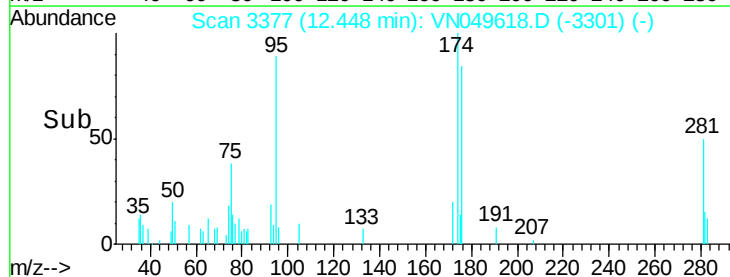
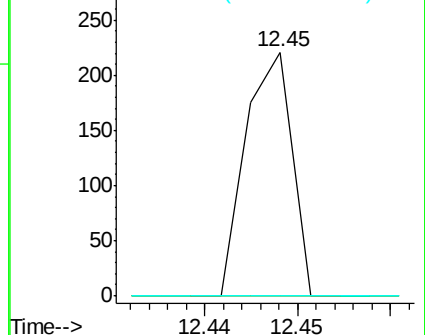
85 0.0 32.0 96.0#

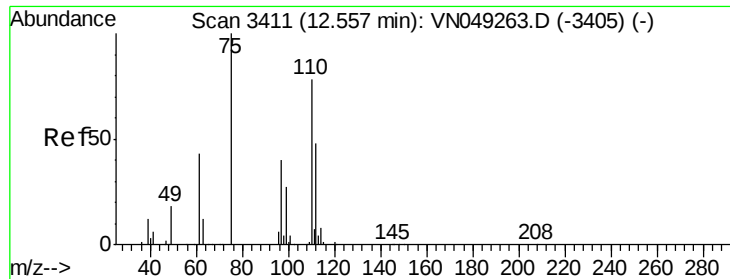


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 35.26 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049618.D

Acq: 29 Jun 2018 4:17

Instrument :

MSVOA_N

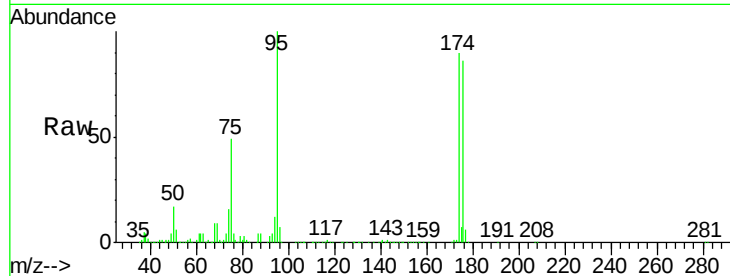
ClientSampled :

Tot Ion: 75 Resp: 313794

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

200000

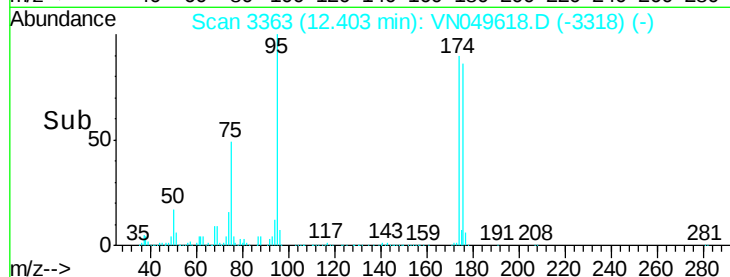
150000

100000

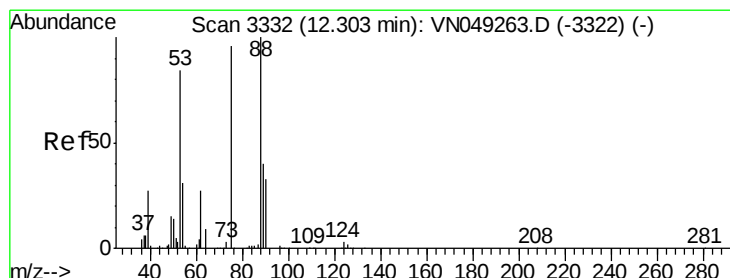
50000

0

12.30 12.40 12.50



Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 111.45 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049618.D

Acq: 29 Jun 2018 4:17

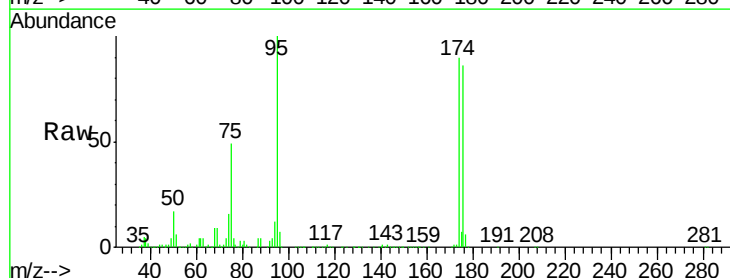
Tgt Ion: 75 Resp: 313794

Ion Ratio Lower Upper

75 100

53 0.3 82.7 124.1#

89 0.0 36.5 54.7#



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

250000

200000

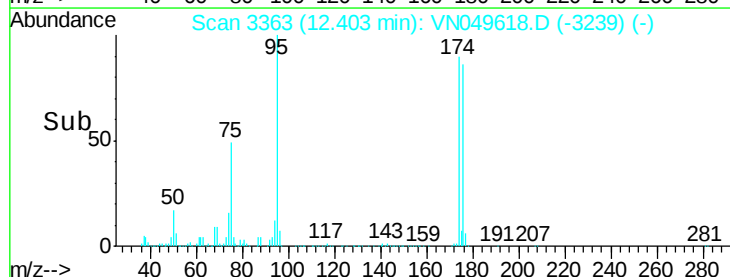
150000

100000

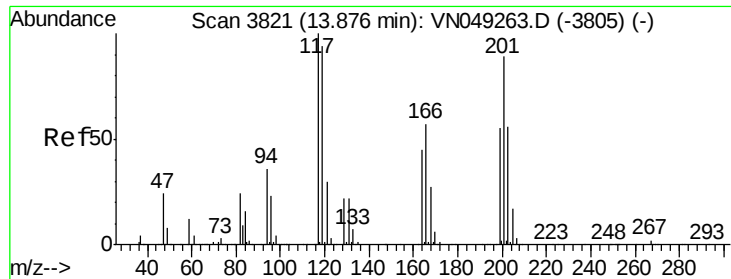
50000

0

12.30 12.40 12.50



Time--> 12.30 12.40 12.50



#90

Hexachloroethane

Concen: Below Cal

RT: 13.87 min Scan# 3818

Delta R.T. -0.01 min

Lab File: VN049618.D

Acq: 29 Jun 2018 4:17

Instrument :

MSVOA_N

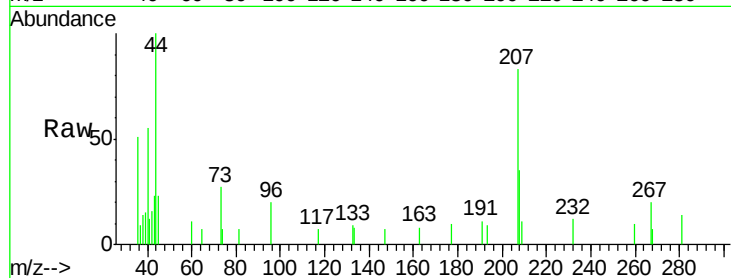
ClientSampleId :

Tot Ion:117 Resp: 30

Ion Ratio Lower Upper

117 100

201 0.0 40.1 120.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.87

150

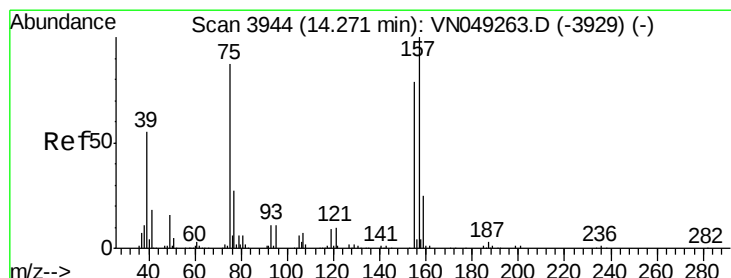
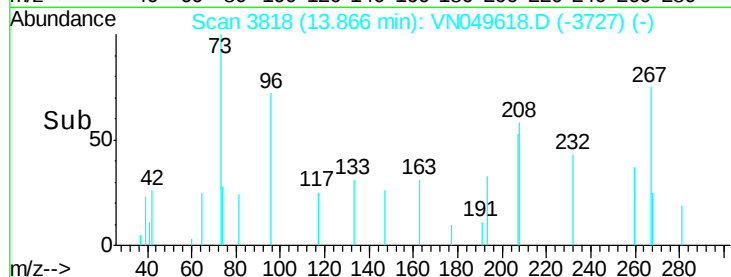
100

50

0

13.86 13.87

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.26 ug/l

RT: 14.28 min Scan# 3947

Delta R.T. 0.01 min

Lab File: VN049618.D

Acq: 29 Jun 2018 4:17

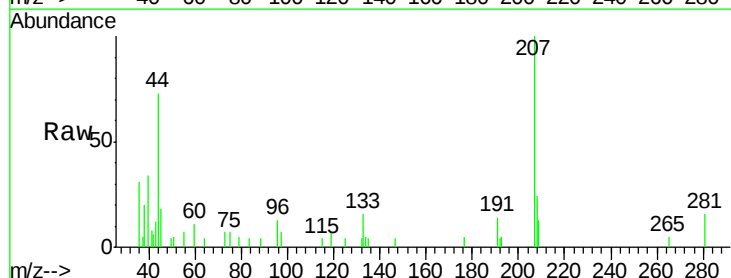
Tgt Ion: 75 Resp: 412

Ion Ratio Lower Upper

75 100

155 0.0 38.8 116.3#

157 0.0 51.0 153.1#



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

300

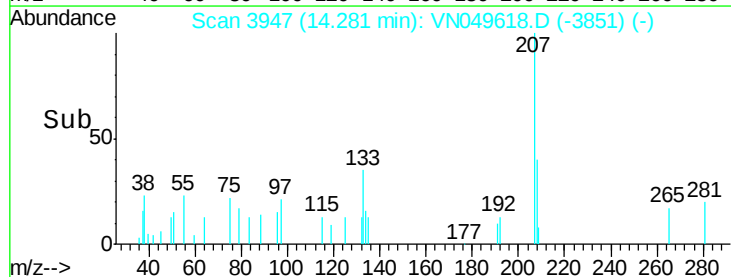
200

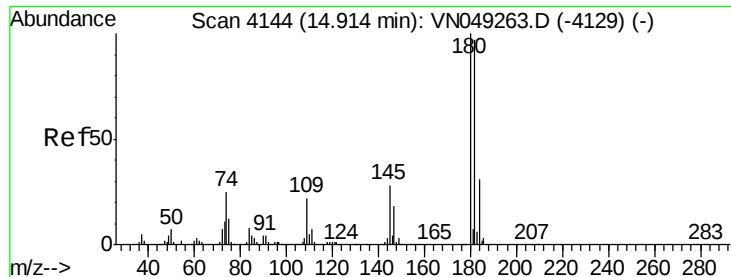
100

0

14.26 14.28 14.30

Time-->

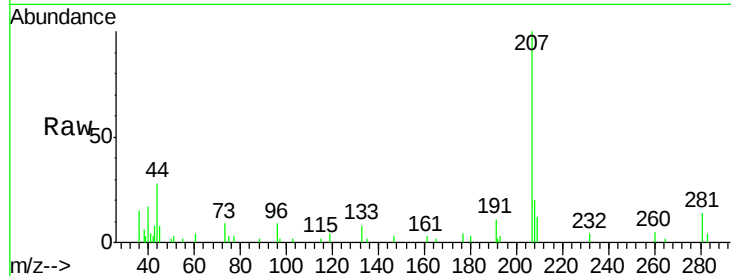




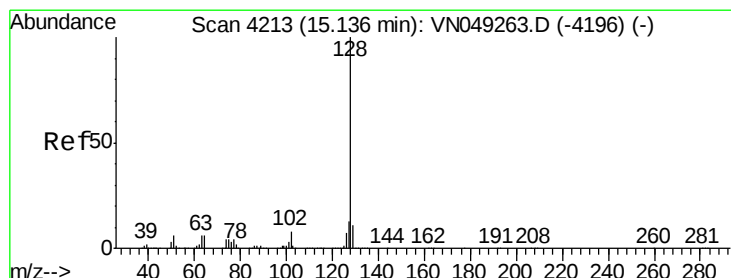
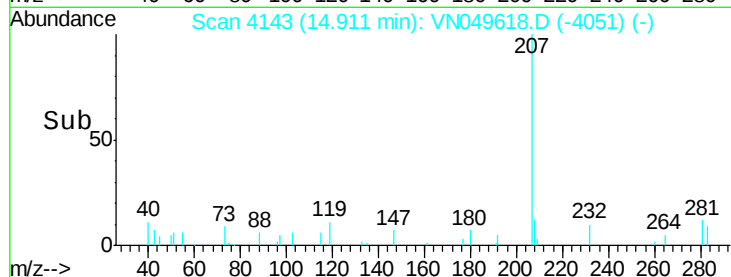
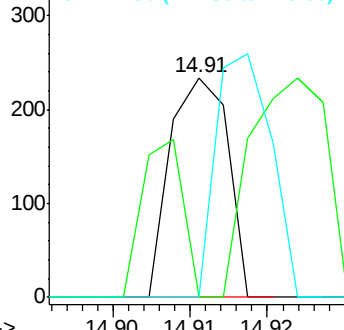
#93
 1,2,4-Trichlorobenzene
 Concen: 4.75 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049618.D
 Acq: 29 Jun 2018 4:17

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 121
 Ion Ratio Lower Upper
 180 100
 182 51.2 46.9 140.8
 145 0.0 14.7 44.1#

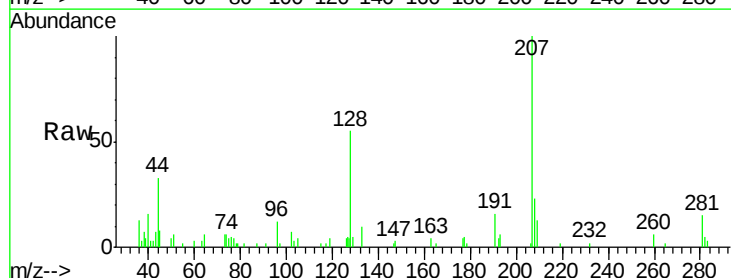


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

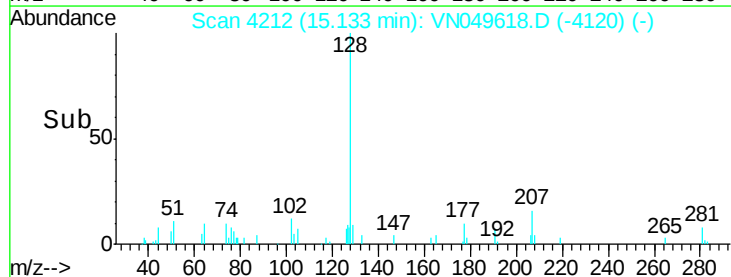
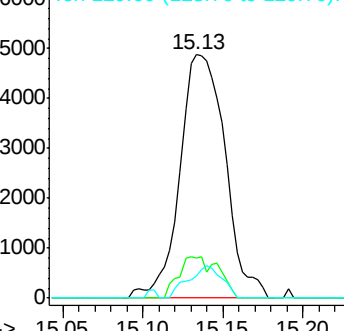


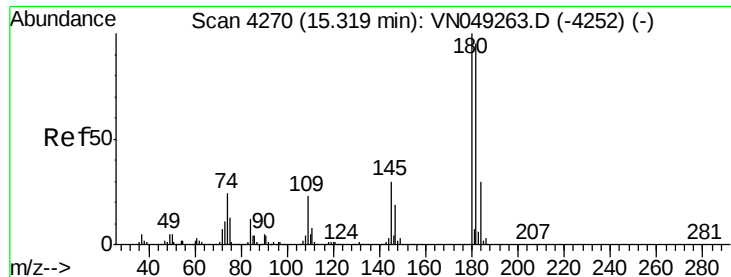
#95
 Naphthalene
 Concen: 2.73 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. -0.00 min
 Lab File: VN049618.D
 Acq: 29 Jun 2018 4:17

Tgt Ion:128 Resp: 9481
 Ion Ratio Lower Upper
 128 100
 127 9.9 10.6 16.0#
 129 9.7 8.5 12.7



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: 3.47 ug/l

RT: 15.31 min Scan# 4268

Delta R.T. -0.01 min

Lab File: VN049618.D

Acq: 29 Jun 2018 4:17

Instrument :

MSVOA_N

ClientSampleId :

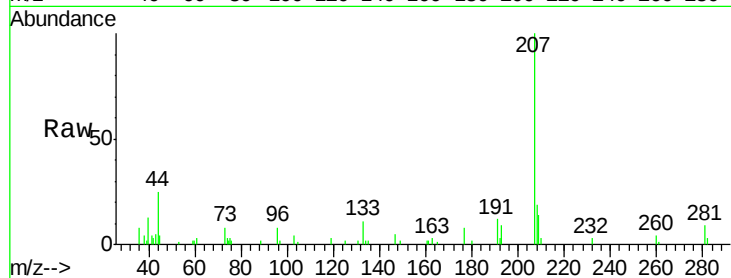
Tot Ion:180 Resp: 134

Ion Ratio Lower Upper

180 100

182 23.9 47.3 141.8#

145 23.9 15.6 46.7



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

