

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062118\
 Data File : VN049466.D
 Acq On : 21 Jun 2018 14:09
 Operator : MD\SY
 Sample : PB110441ZHE#03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 22 03:37:26 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	1120033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1817966	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1499180	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	395573	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	782727	52.69	ug/l	0.00
Spiked Amount			Recovery	=	105.38%	
35) Dibromofluoromethane	7.59	113	693613	47.16	ug/l	0.00
Spiked Amount			Recovery	=	94.32%	
50) Toluene-d8	10.09	98	2452719	43.80	ug/l	0.00
Spiked Amount			Recovery	=	87.60%	
62) 4-Bromofluorobenzene	12.41	95	611399	33.02	ug/l	0.00
Spiked Amount			Recovery	=	66.04%	

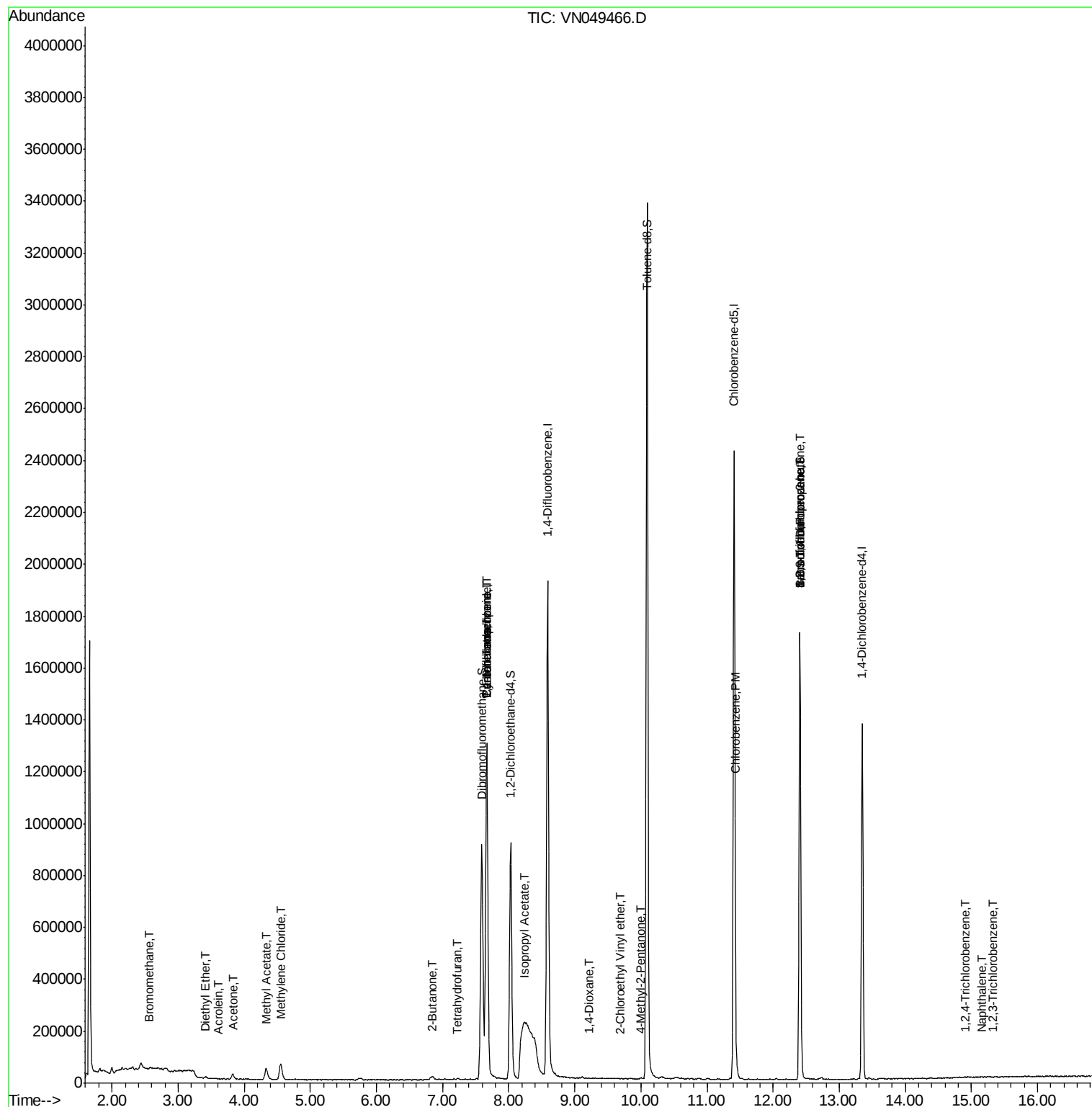
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	2135	0.23	ug/l	91
8) Diethyl Ether	3.40	74	1894	0.25	ug/l #	1
13) Acrolein	3.60	56	209	0.23	ug/l #	1
16) Acetone	3.82	43	33155	9.19	ug/l	92
18) Methyl Acetate	4.33	43	83941	7.63	ug/l	95
20) Methylene Chloride	4.55	84	45144	3.00	ug/l	86
25) 2-Butanone	6.85	43	4602	0.95	ug/l #	88
29) Tetrahydrofuran	7.23	42	844	0.27	ug/l #	84
31) Cyclohexane	7.66	56	20763	0.77	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	79483	3.81	ug/l #	50
38) Carbon Tetrachloride	7.67	117	100757	4.67	ug/l #	18
43) Isopropyl Acetate	8.24	43	325551	15.04	ug/l #	64
49) 1,4-Dioxane	9.20	88	164	1.17	ug/l #	21
51) 4-Methyl-2-Pentanone	9.99	43	3471	0.31	ug/l	90
58) 2-Chloroethyl Vinyl ether	9.69	63	29	14.33	ug/l #	51
65) Chlorobenzene	11.44	112	15737	0.41	ug/l	98
71) Bromoform	12.41	173	4172	0.44	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.59	83	126	Below	Cal #	78
76) 1,2,3-Trichloropropane	12.41	75	294523	43.64	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	294523	137.91	ug/l #	9
90) Hexachloroethane	13.91	117	75	Below	Cal #	9
93) 1,2,4-Trichlorobenzene	14.91	180	432	4.80	ug/l #	37
95) Naphthalene	15.15	128	1207	2.19	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.31	180	335	3.50	ug/l #	29

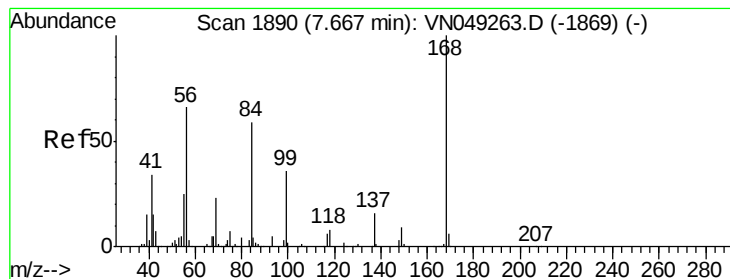
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062118\
Data File : VN049466.D
Acq On : 21 Jun 2018 14:09
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Sample : PB110441ZHE#03
Misc : 5.00mL/MSVOA N/WATER
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Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jun 22 03:37:26 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049466.D

Acq: 21 Jun 2018 14:09

Instrument :

MSVOA_N

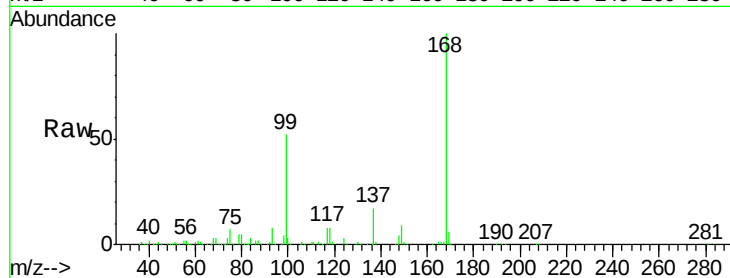
ClientSampleId :

Tot Ion:168 Resp: 1120033

Ion Ratio Lower Upper

168 100

99 51.7 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

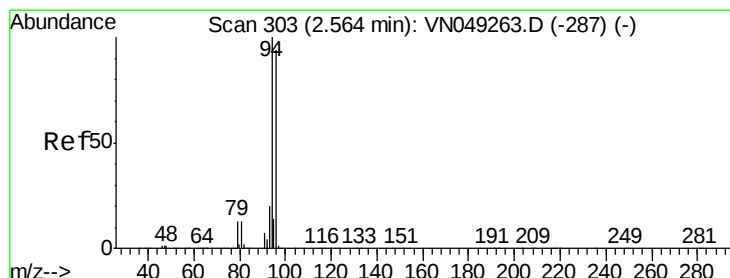
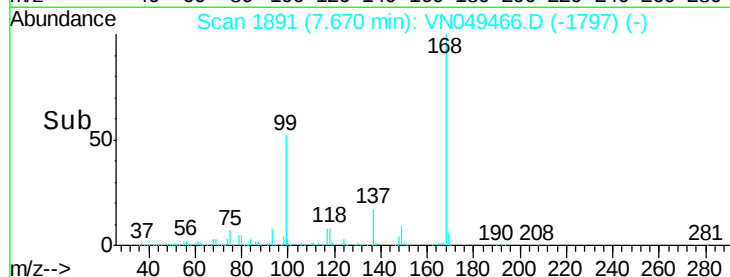
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 0.23 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN049466.D

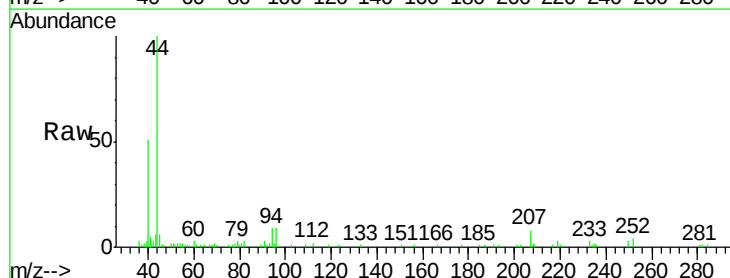
Acq: 21 Jun 2018 14:09

Tgt Ion: 94 Resp: 2135

Ion Ratio Lower Upper

94 100

96 82.8 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.57

2000

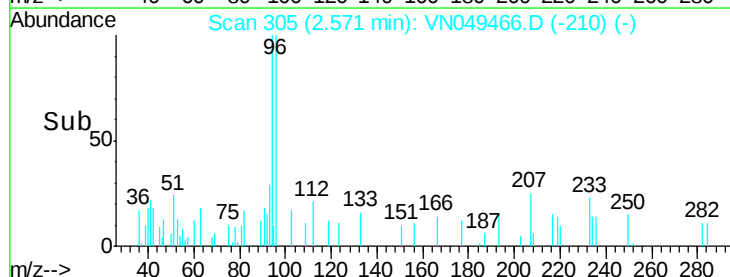
1500

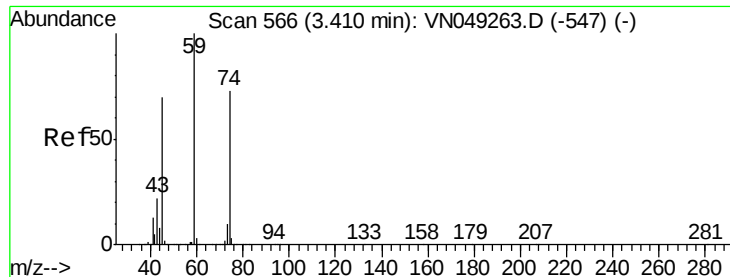
1000

500

0

Time-->





#8

Diethyl Ether

Concen: 0.25 ug/l

RT: 3.40 min Scan# 564

Delta R.T. -0.01 min

Lab File: VN049466.D

Acq: 21 Jun 2018 14:09

Instrument :

MSVOA_N

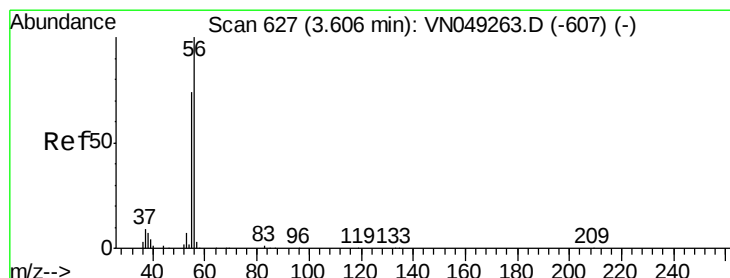
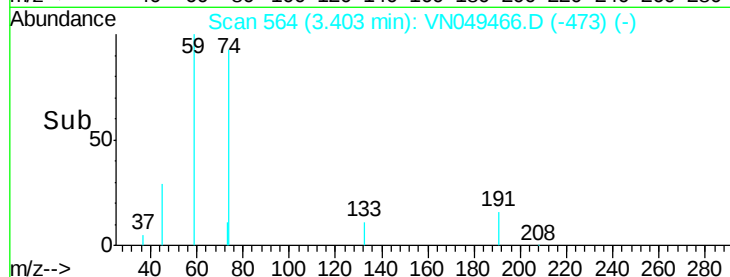
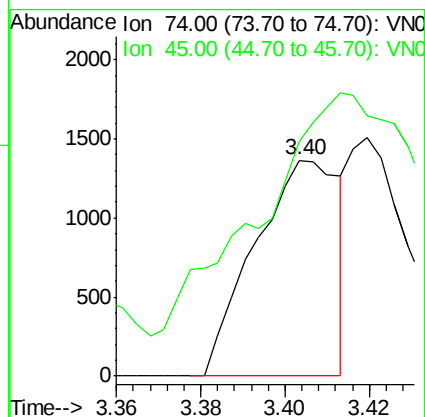
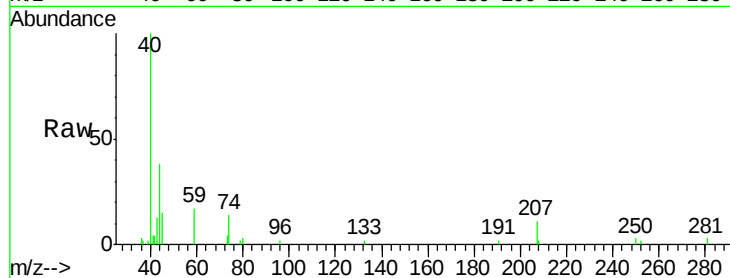
ClientSampled :

Tot Ion: 74 Resp: 1894

Ion Ratio Lower Upper

74 100

45 226.0 51.9 155.8#



#13

Acrolein

Concen: 0.23 ug/l

RT: 3.60 min Scan# 625

Delta R.T. -0.01 min

Lab File: VN049466.D

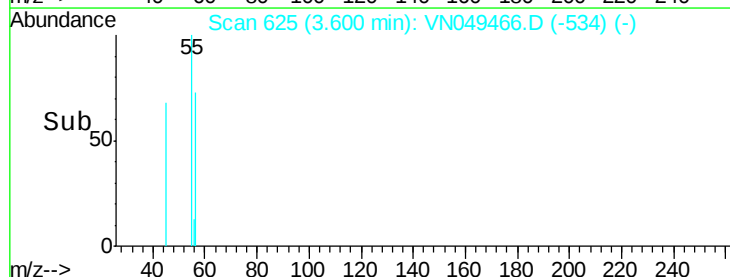
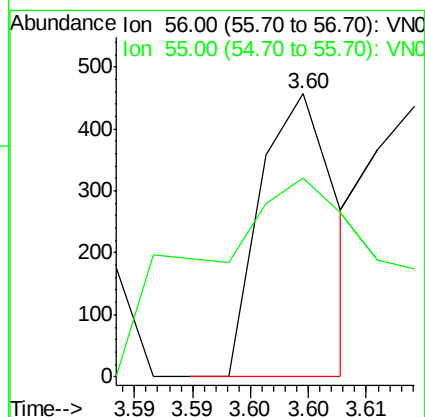
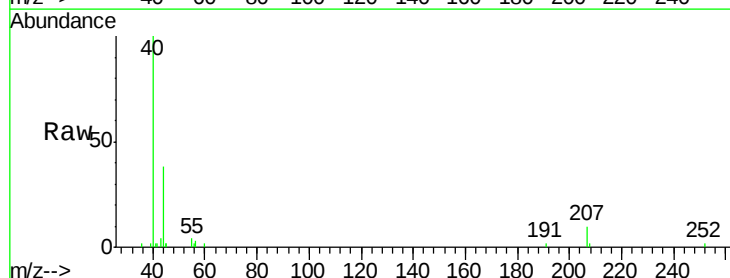
Acq: 21 Jun 2018 14:09

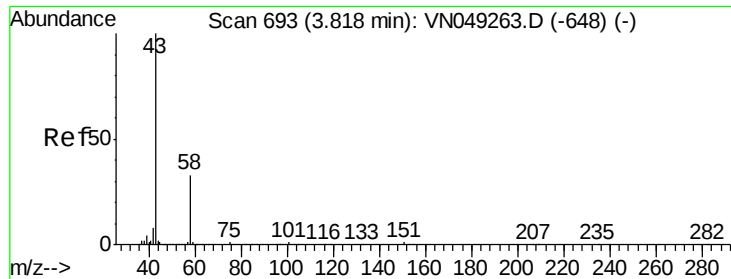
Tgt Ion: 56 Resp: 209

Ion Ratio Lower Upper

56 100

55 213.9 57.1 85.7#





#16

Acetone

Concen: 9.19 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN049466.D

Acq: 21 Jun 2018 14:09

Instrument :

MSVOA_N

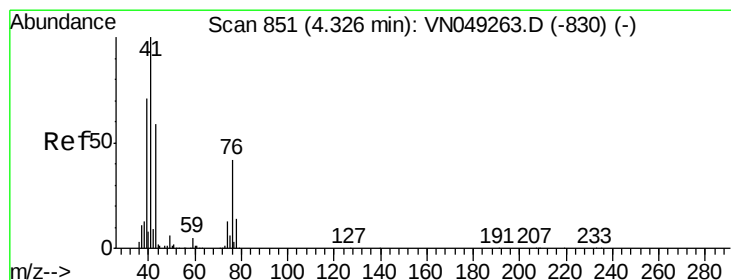
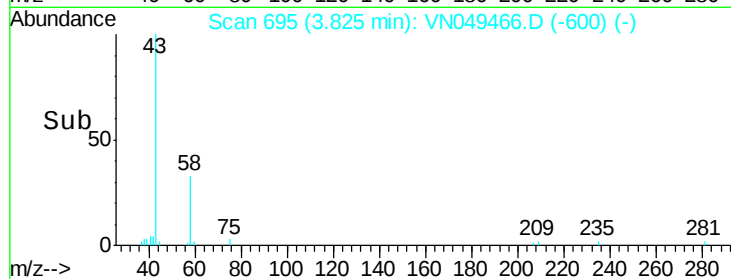
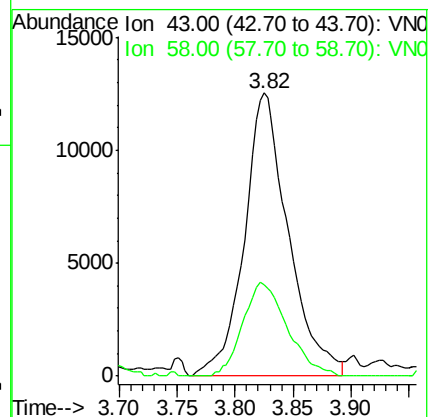
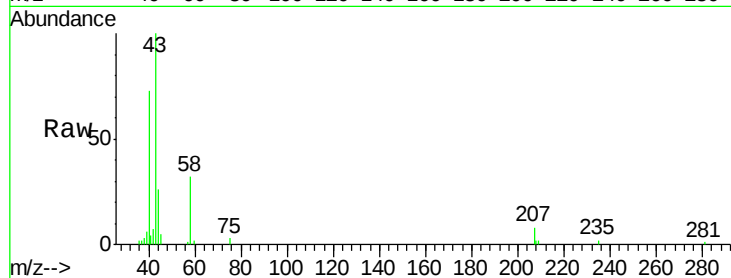
ClientSampleId :

Tot Ion: 43 Resp: 33155

Ion Ratio Lower Upper

43 100

58 32.4 22.4 33.6



#18

Methyl Acetate

Concen: 7.63 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.01 min

Lab File: VN049466.D

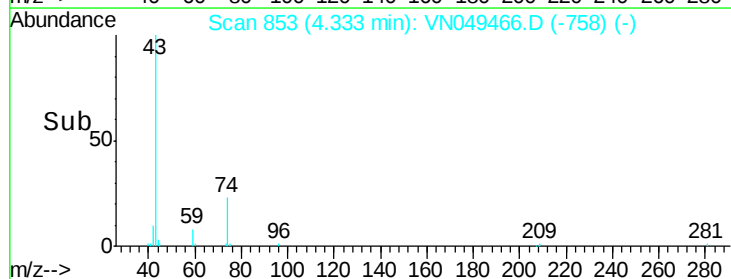
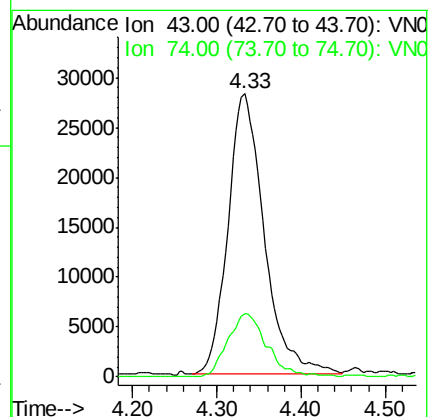
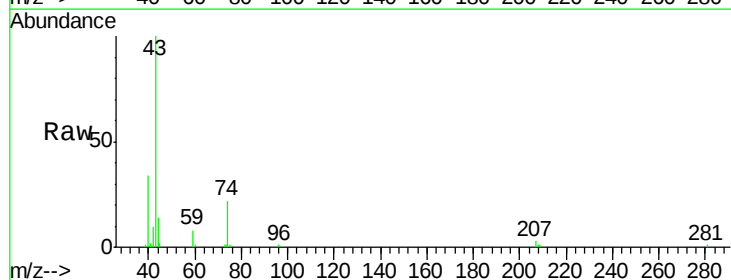
Acq: 21 Jun 2018 14:09

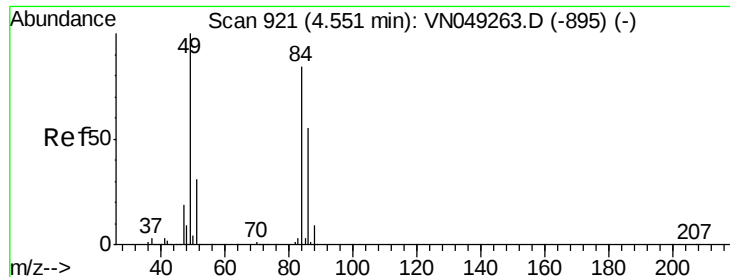
Tgt Ion: 43 Resp: 83941

Ion Ratio Lower Upper

43 100

74 24.0 17.4 26.0

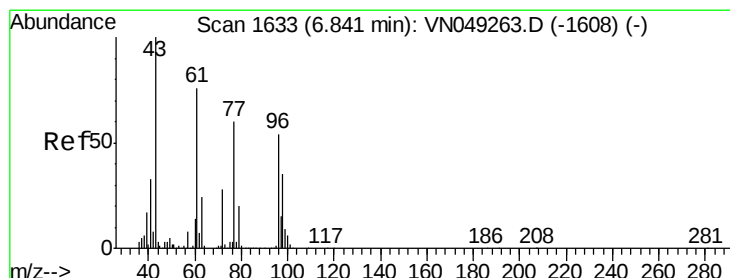
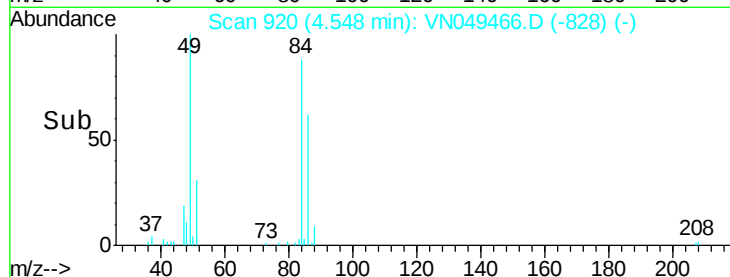
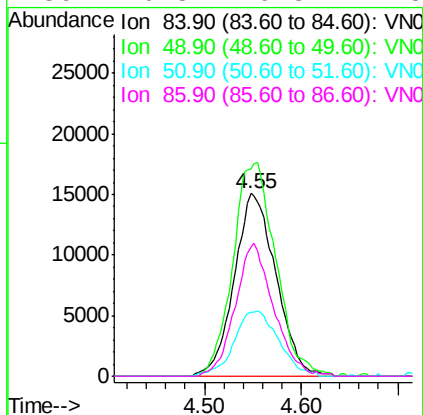
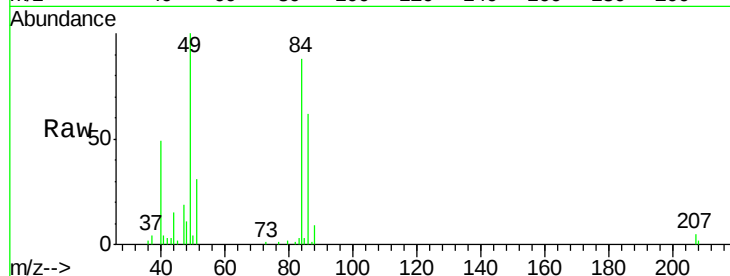




#20
Methvlene Chloride
Concen: 3.00 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049466.D
Acq: 21 Jun 2018 14:09

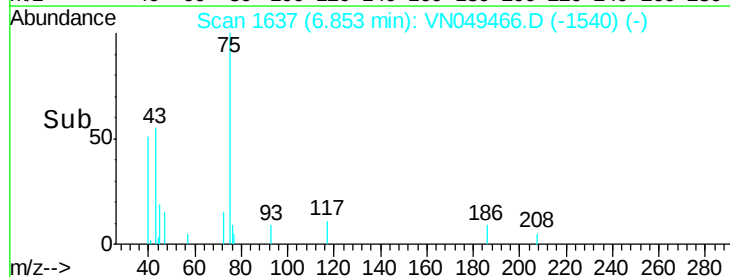
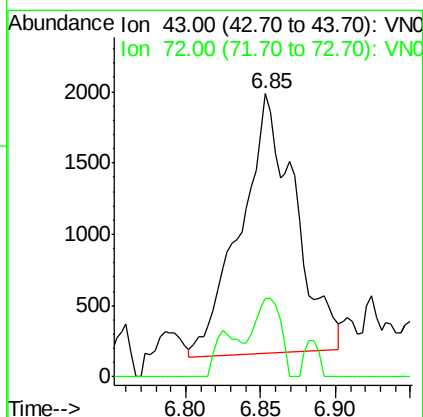
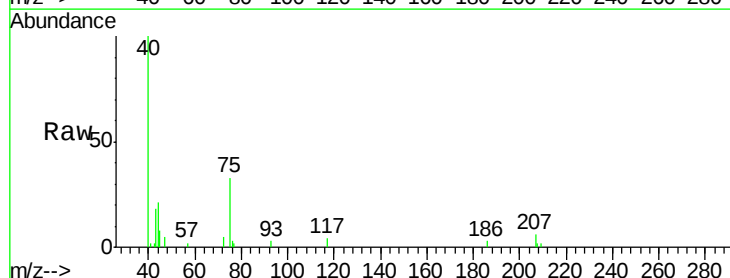
Instrument :
MSVOA_N
ClientSampleId :

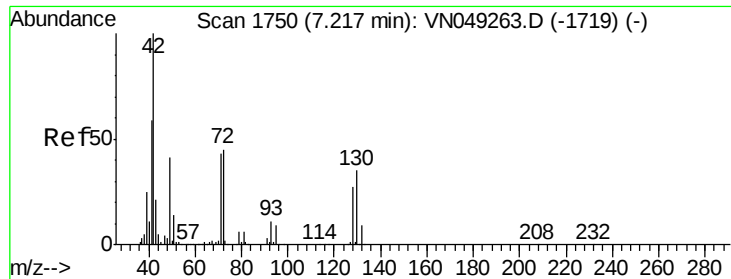
Tot Ion: 84 Resp: 45144
Ion Ratio Lower Upper
84 100
49 113.5 106.9 160.3
51 34.8 32.7 49.1
86 70.8 49.8 74.8



#25
2-Butanone
Concen: 0.95 ug/l
RT: 6.85 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VN049466.D
Acq: 21 Jun 2018 14:09

Tgt Ion: 43 Resp: 4602
Ion Ratio Lower Upper
43 100
72 31.0 20.2 30.2#





#29

Tetrahydrofuran

Concen: 0.27 ug/l

RT: 7.23 min Scan# 1754

Delta R.T. 0.01 min

Lab File: VN049466.D

Acq: 21 Jun 2018 14:09

Instrument :

MSVOA_N

ClientSampleId :

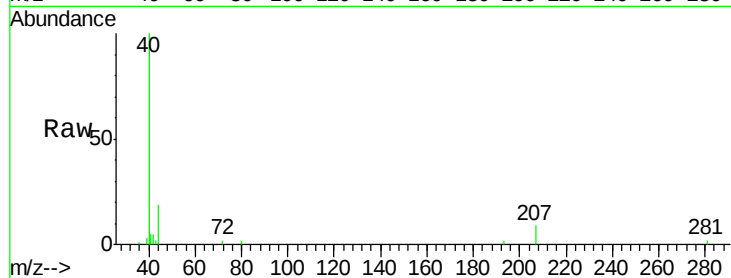
Tot Ion: 42 Resp: 844

Ion Ratio Lower Upper

42 100

72 41.7 32.2 48.4

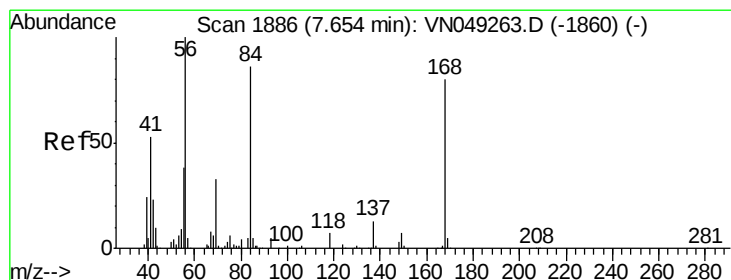
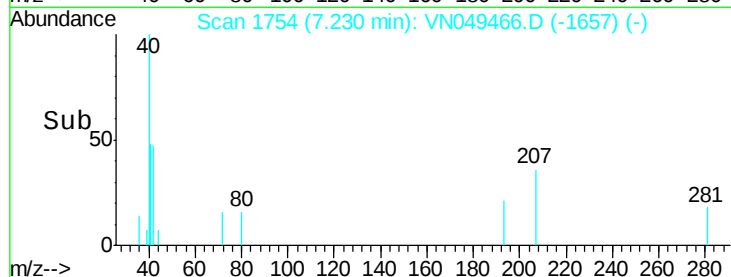
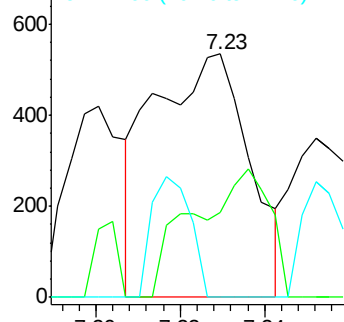
71 20.0 30.5 45.7#



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: 0.77 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN049466.D

Acq: 21 Jun 2018 14:09

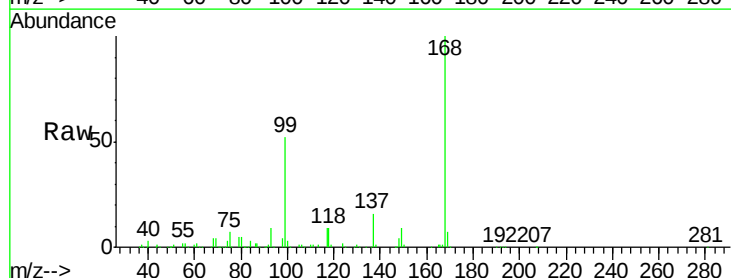
Tgt Ion: 56 Resp: 20763

Ion Ratio Lower Upper

56 100

69 198.9 25.0 37.4#

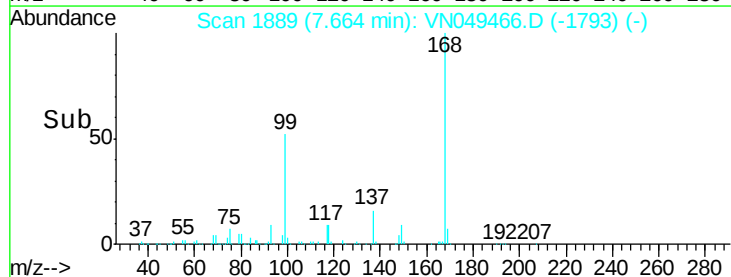
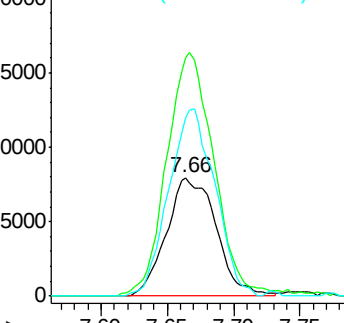
84 150.3 64.6 96.8#

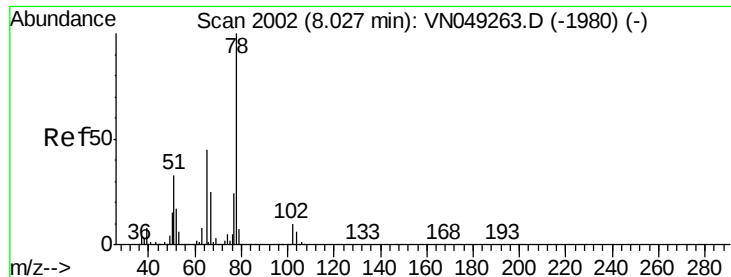


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

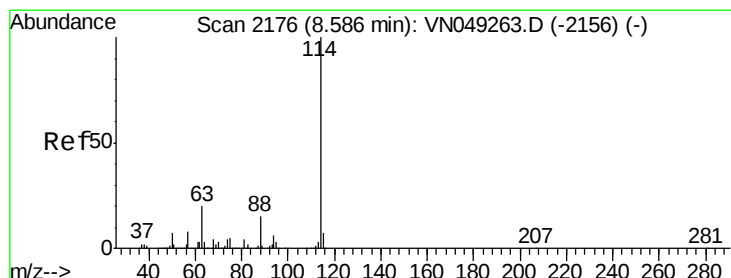
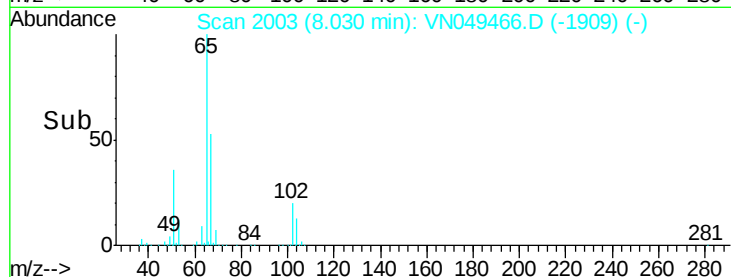
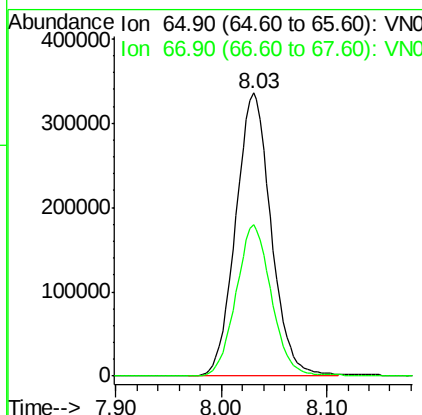
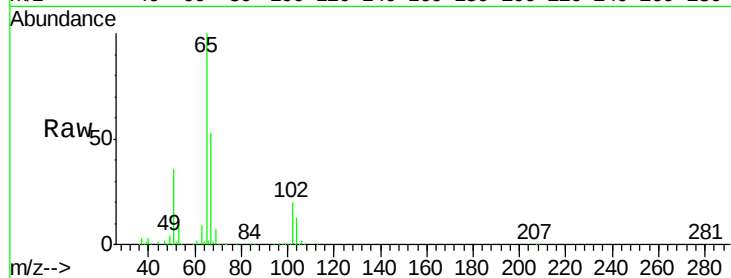




#33
 1,2-Dichloroethane-d4
 Concen: 52.69 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049466.D
 Acq: 21 Jun 2018 14:09

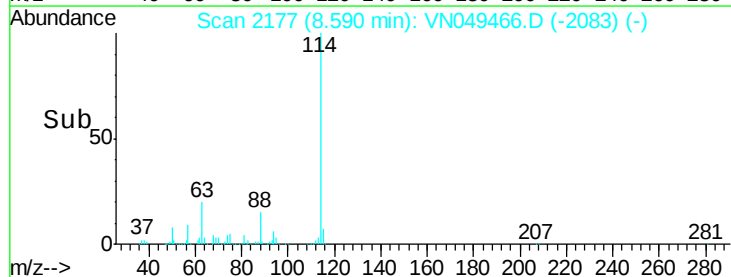
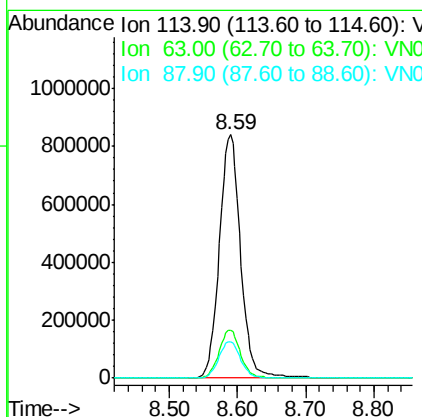
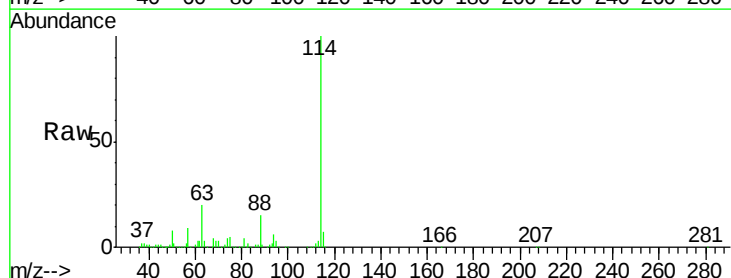
Instrument :
 MSVOA_N
 ClientSampleId :

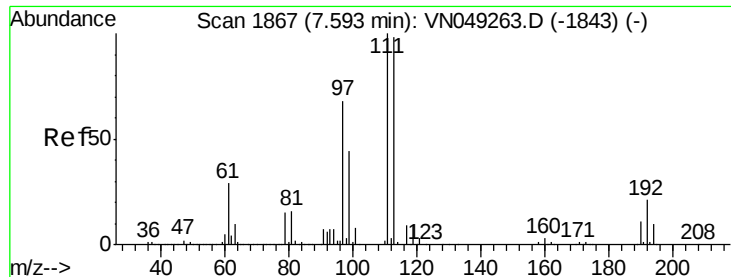
Tot Ion: 65 Resp: 782727
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049466.D
 Acq: 21 Jun 2018 14:09

Tgt Ion: 114 Resp: 1817966
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 44.4
 88 15.0 0.0 31.4

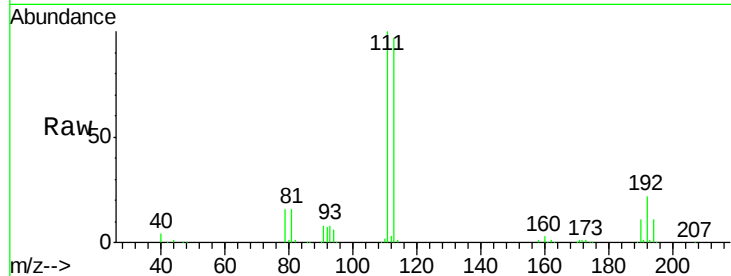




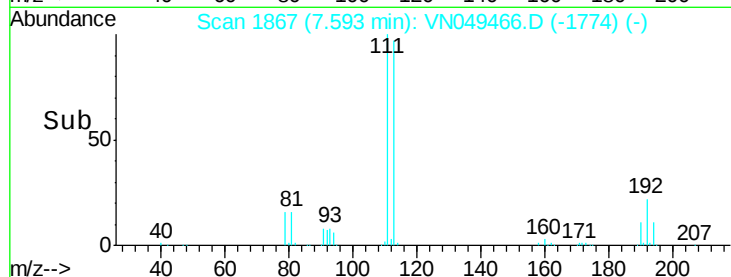
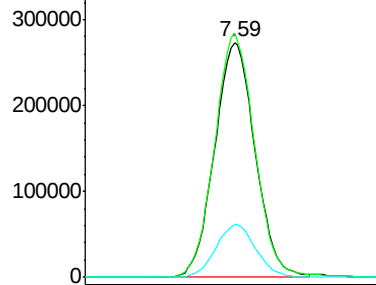
#35
 Dibromofluoromethane
 Concen: 47.16 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049466.D
 Acq: 21 Jun 2018 14:09

Instrument :
 MSVOA_N
 ClientSampleId :

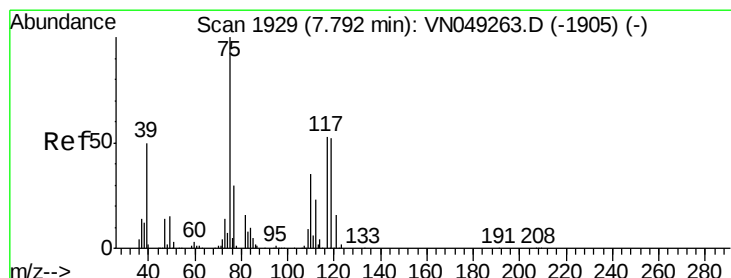
Tot Ion:113 Resp: 693613
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.4 123.6
 192 22.3 15.0 22.6



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

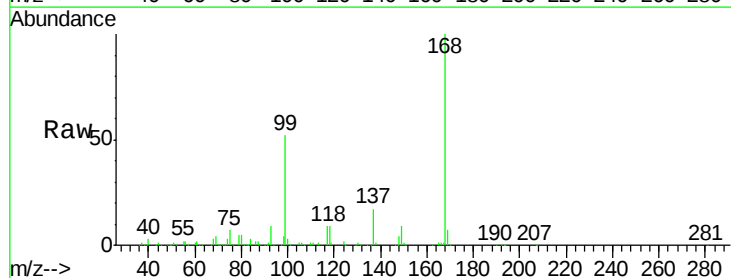


Time-->

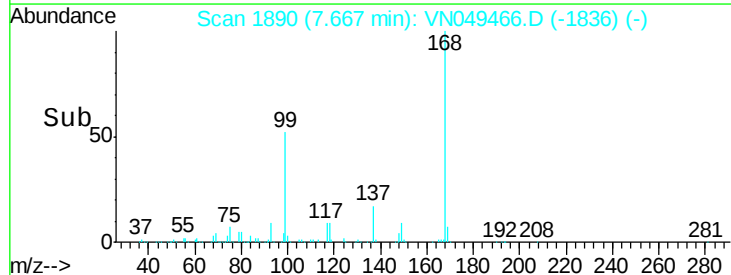
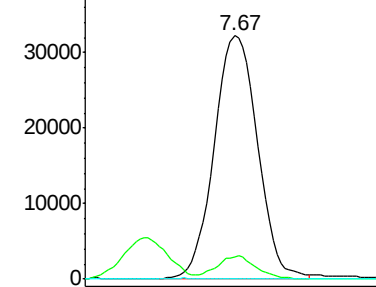


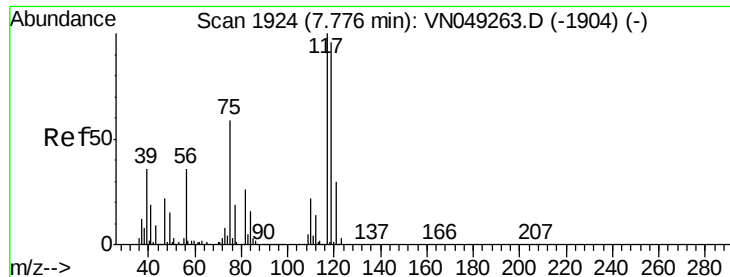
#36
 1,1-Dichloropropene
 Concen: 3.81 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049466.D
 Acq: 21 Jun 2018 14:09

Tgt Ion: 75 Resp: 79483
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.0 50.9#
 77 0.0 24.4 36.6#



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

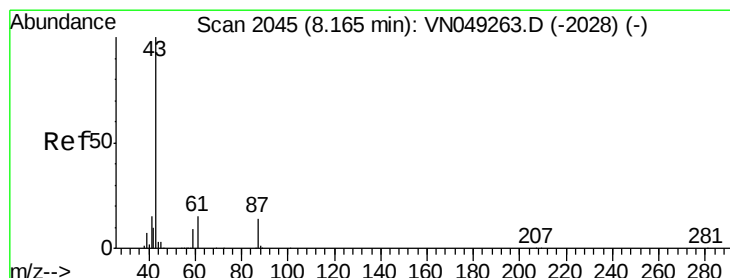
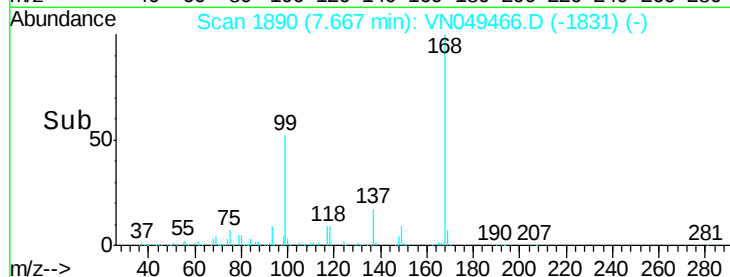
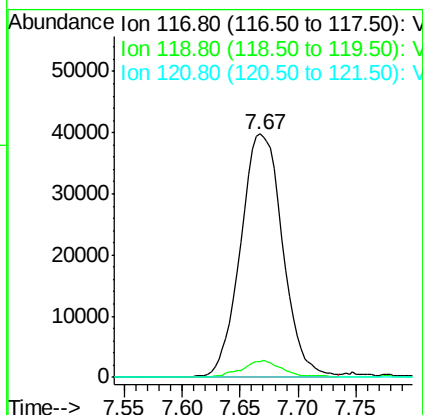
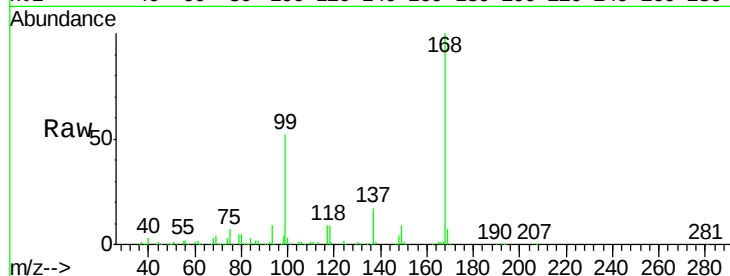




#38
Carbon Tetrachloride
Concen: 4.67 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049466.D
Acq: 21 Jun 2018 14:09

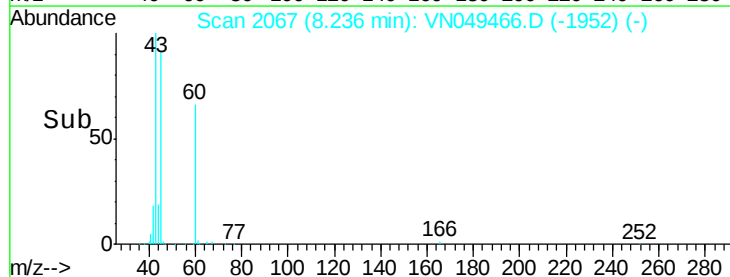
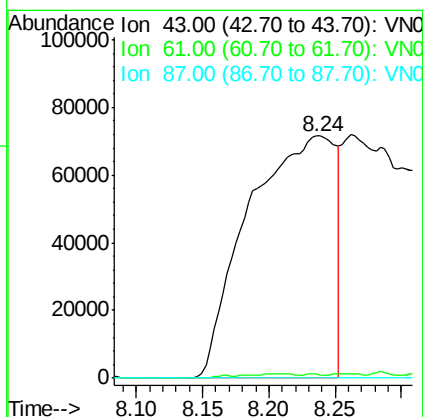
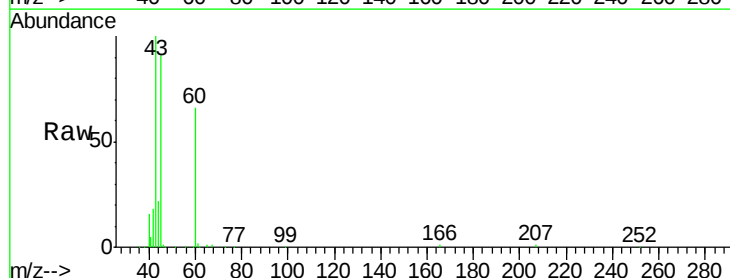
Instrument :
MSVOA_N
ClientSampleId :

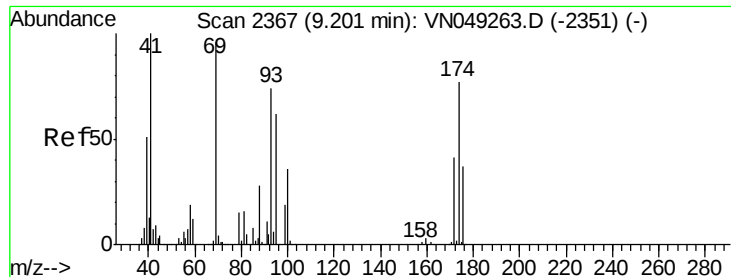
Tot Ion:117 Resp: 100757
Ion Ratio Lower Upper
117 100
119 6.6 75.6 113.4#
121 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 15.04 ug/l
RT: 8.24 min Scan# 2067
Delta R.T. 0.07 min
Lab File: VN049466.D
Acq: 21 Jun 2018 14:09

Tgt Ion: 43 Resp: 325551
Ion Ratio Lower Upper
43 100
61 0.1 14.2 21.4#
87 0.0 9.4 14.0#

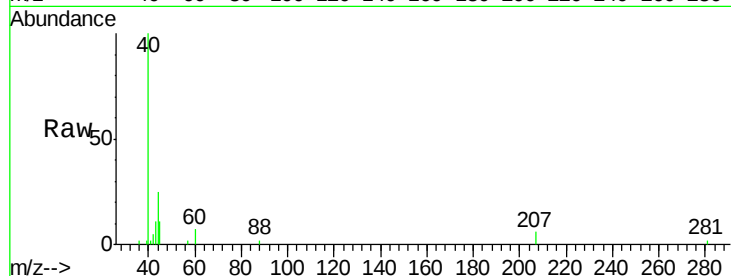




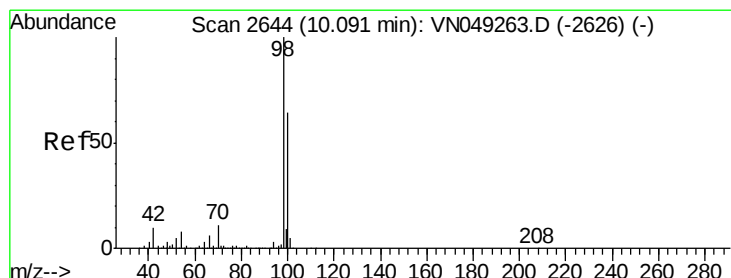
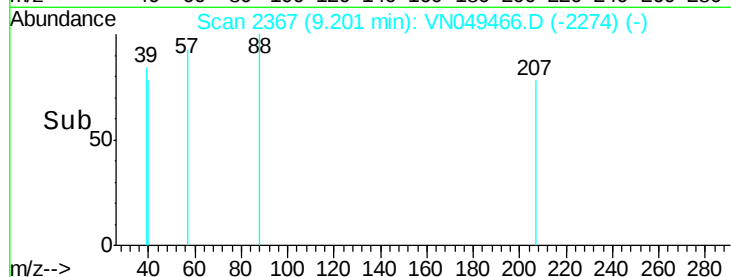
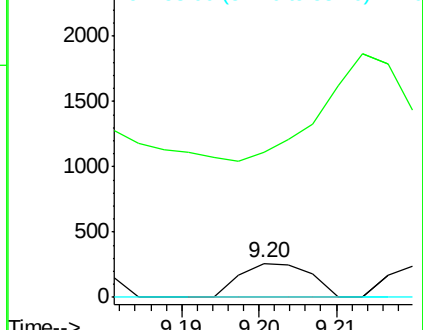
#49
1,4-Dioxane
Concen: 1.17 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN049466.D
Acq: 21 Jun 2018 14:09

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 164
Ion Ratio Lower Upper
88 100
43 0.0 30.9 46.3#
58 0.0 58.9 88.3#

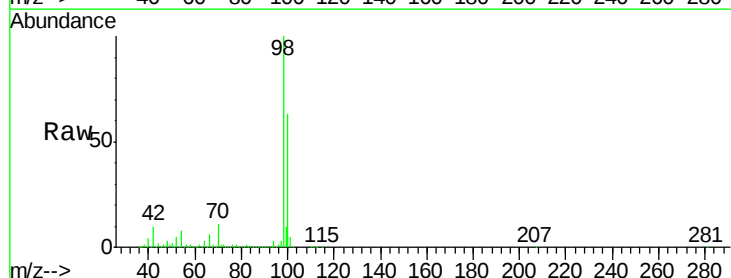


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

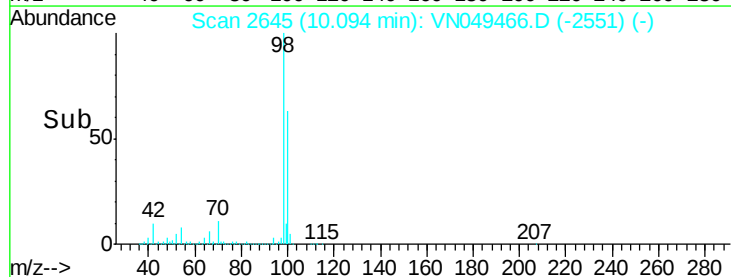
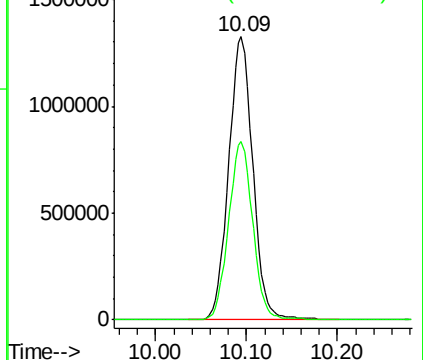


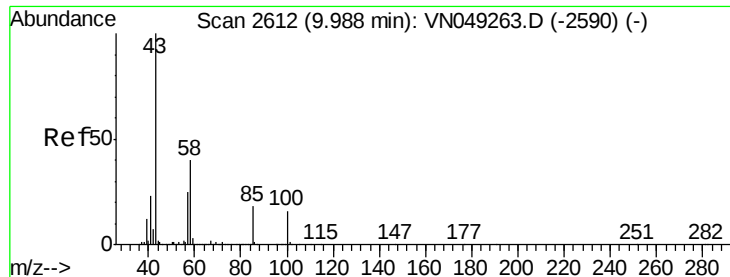
#50
Toluene-d8
Concen: 43.80 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049466.D
Acq: 21 Jun 2018 14:09

Tgt Ion: 98 Resp: 2452719
Ion Ratio Lower Upper
98 100
100 63.0 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.31 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN049466.D

Acq: 21 Jun 2018 14:09

Instrument :

MSVOA_N

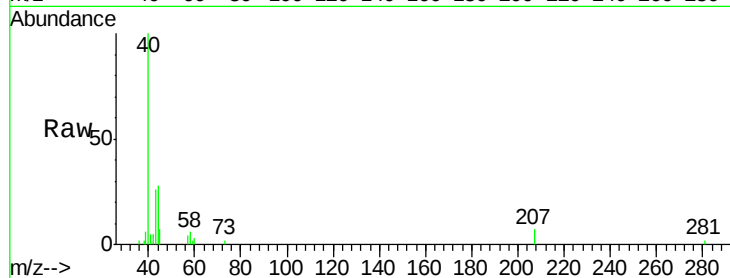
ClientSampled :

Tot Ion: 43 Resp: 3471

Ion Ratio Lower Upper

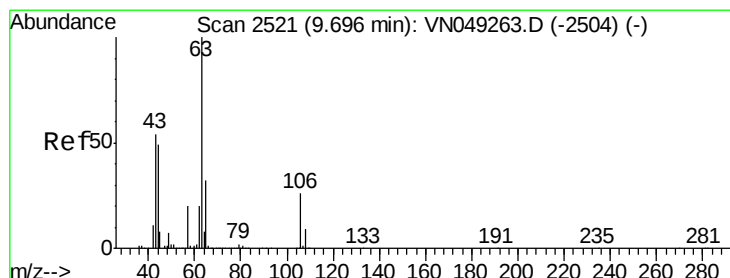
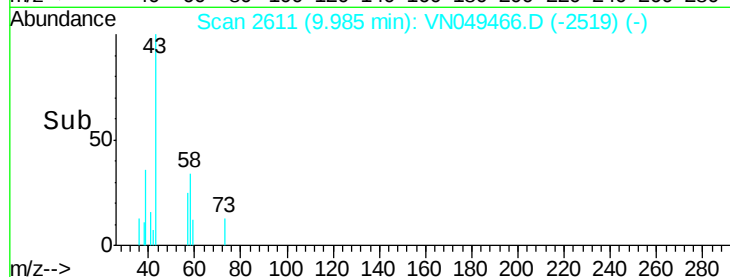
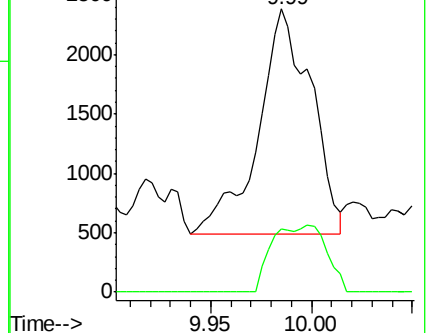
43 100

58 30.3 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 14.33 ug/l

RT: 9.69 min Scan# 2520

Delta R.T. -0.00 min

Lab File: VN049466.D

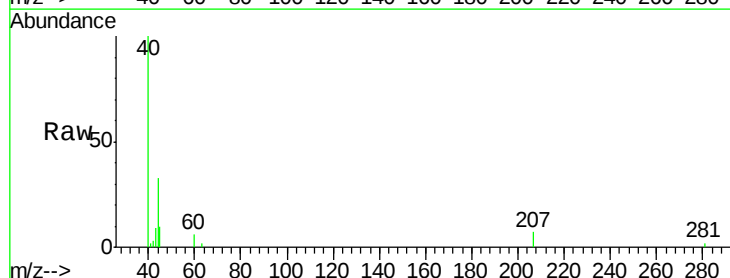
Acq: 21 Jun 2018 14:09

Tgt Ion: 63 Resp: 29

Ion Ratio Lower Upper

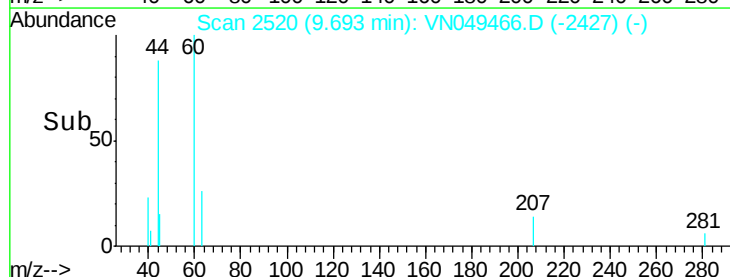
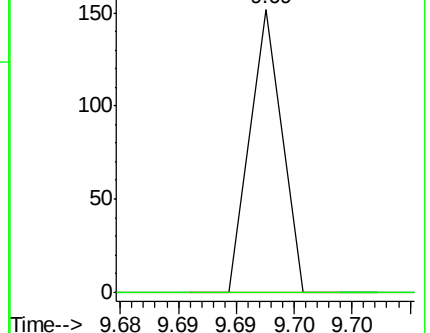
63 100

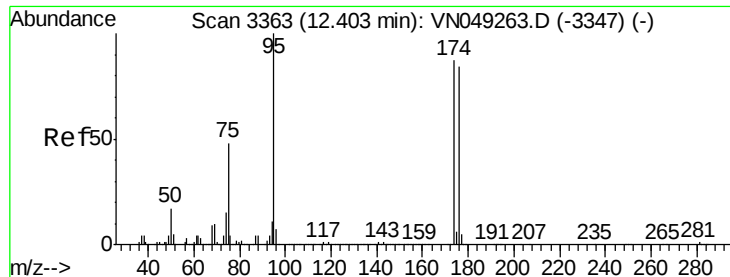
106 0.0 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#62

4-Bromofluorobenzene

Concen: 33.02 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN049466.D

Acq: 21 Jun 2018 14:09

Instrument :

MSVOA_N

ClientSampled :

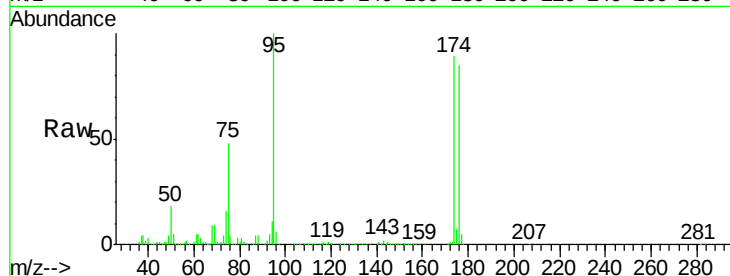
Tot Ion: 95 Resp: 611399

Ion Ratio Lower Upper

95 100

174 89.1 0.0 165.6

176 85.5 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN049466.D (-3347) (-)

Ion 173.80 (173.50 to 174.50): VN049466.D (-3347) (-)

Ion 175.80 (175.50 to 176.50): VN049466.D (-3347) (-)

12.41

400000

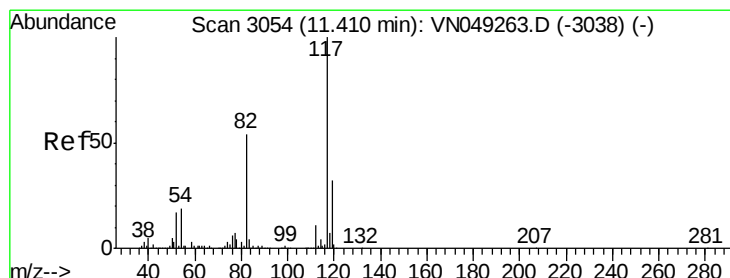
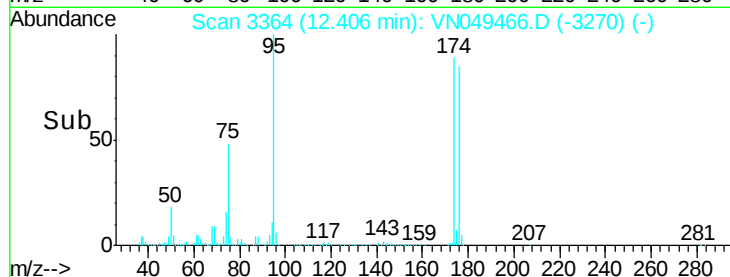
300000

200000

100000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN049466.D

Acq: 21 Jun 2018 14:09

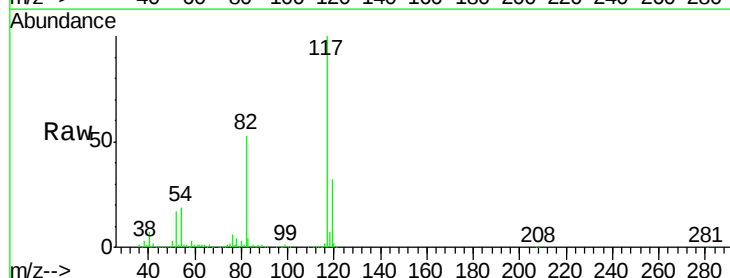
Tgt Ion: 117 Resp: 1499180

Ion Ratio Lower Upper

117 100

82 53.0 45.9 68.9

119 31.6 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VN049466.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN049466.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN049466.D (-3038) (-)

11.41

1000000

800000

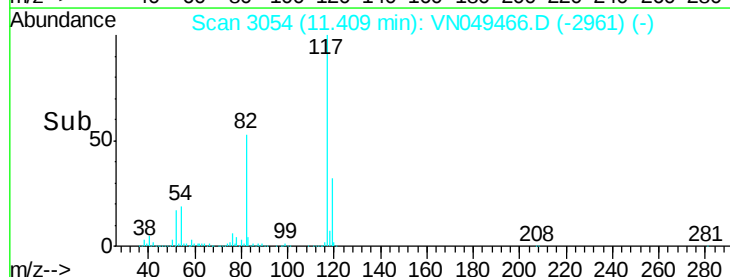
600000

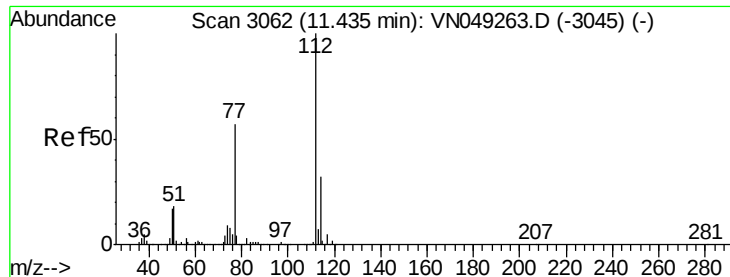
400000

200000

0

Time--> 11.30 11.40 11.50





#65

Chlorobenzene

Concen: 0.41 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN049466.D

Acq: 21 Jun 2018 14:09

Instrument :

MSVOA_N

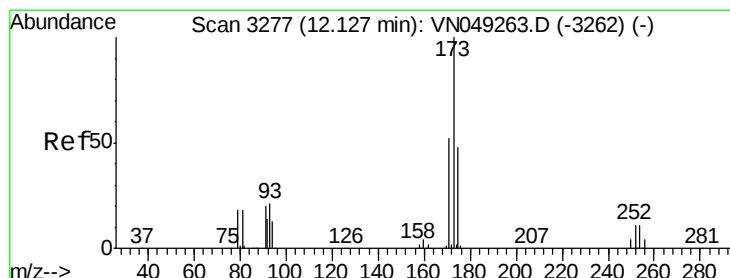
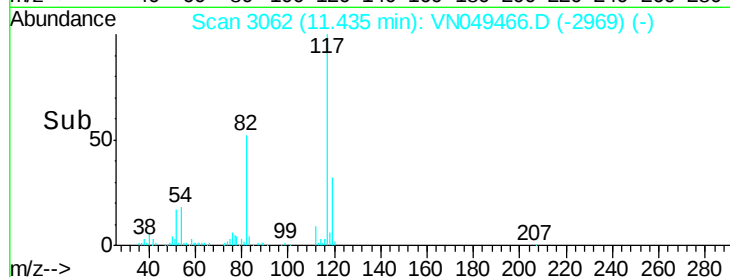
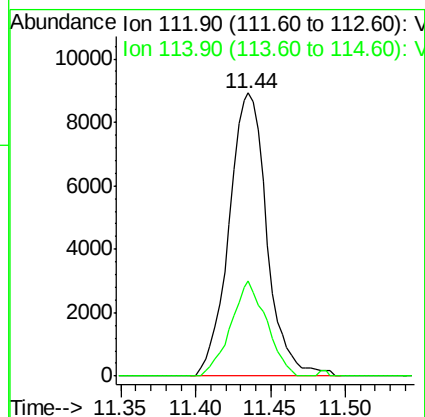
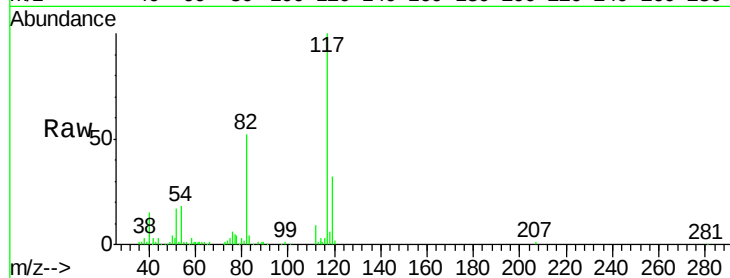
ClientSampled :

Tot Ion:112 Resp: 15737

Ion Ratio Lower Upper

112 100

114 33.7 26.2 39.4



#71

Bromoform

Concen: 0.44 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.28 min

Lab File: VN049466.D

Acq: 21 Jun 2018 14:09

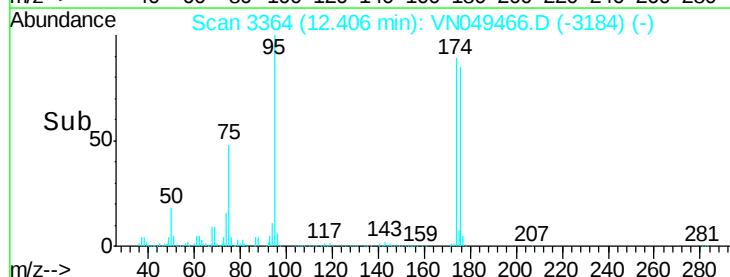
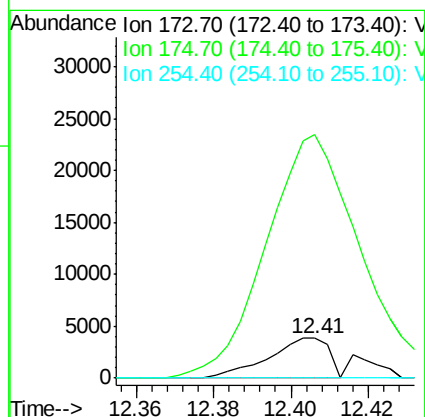
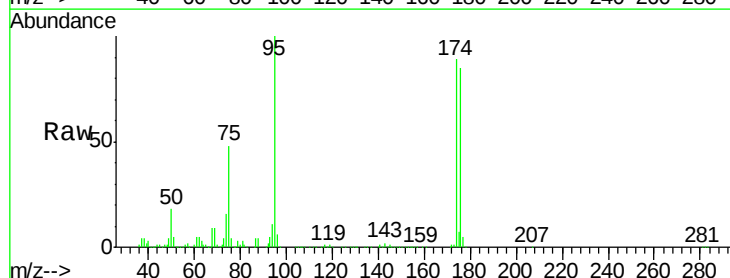
Tgt Ion:173 Resp: 4172

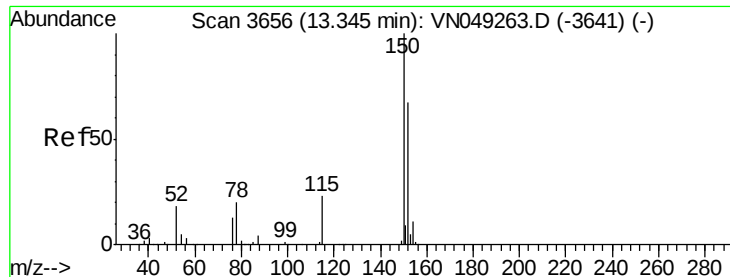
Ion Ratio Lower Upper

173 100

175 721.4 24.5 73.5#

254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049466.D

Acq: 21 Jun 2018 14:09

Instrument :

MSVOA_N

ClientSampleId :

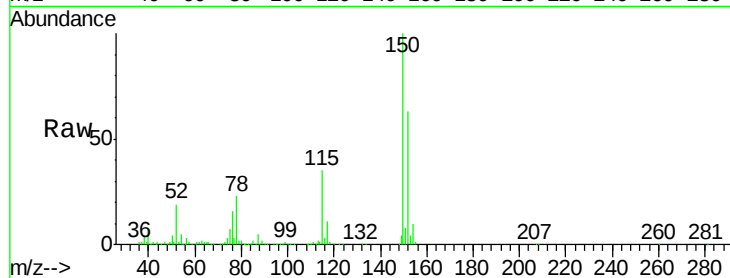
Tot Ion:152 Resp: 395573

Ion Ratio Lower Upper

152 100

115 56.5 28.7 86.1

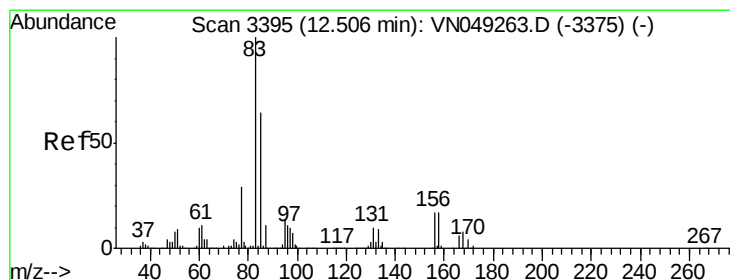
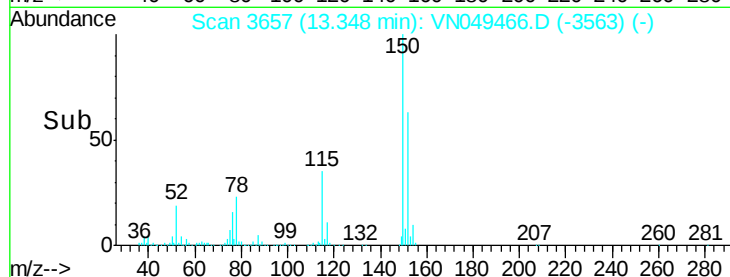
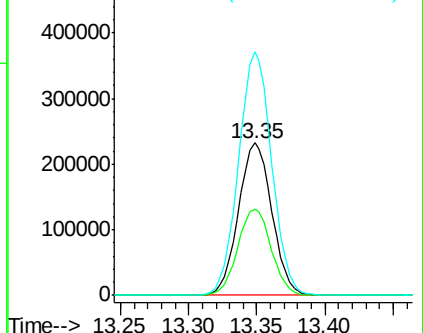
150 158.2 0.0 351.0



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: 12.59 min Scan# 3420

Delta R.T. 0.08 min

Lab File: VN049466.D

Acq: 21 Jun 2018 14:09

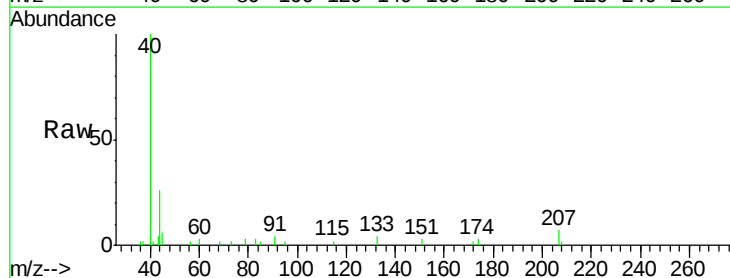
Tgt Ion: 83 Resp: 126

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

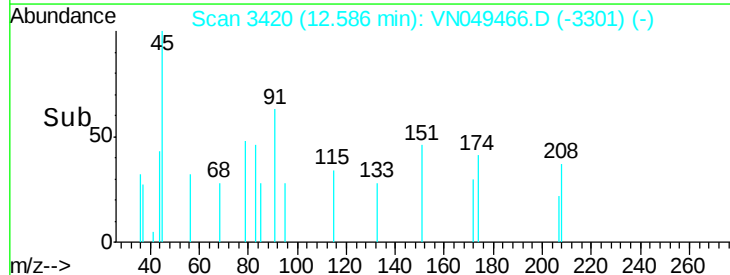
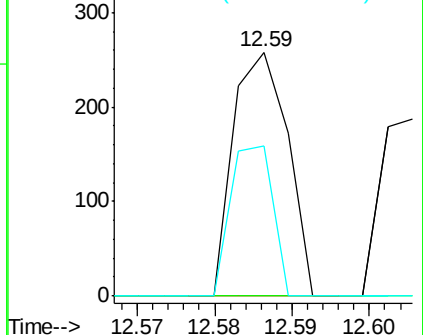
85 47.6 32.0 96.0

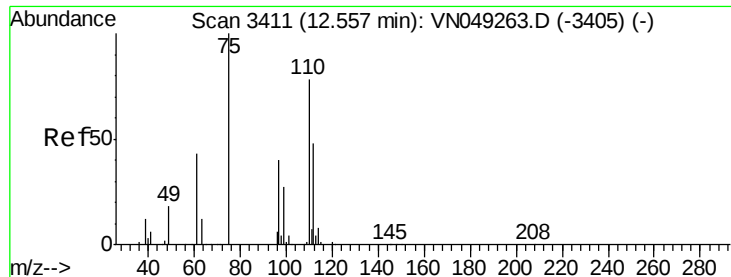


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 43.64 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. -0.15 min

Lab File: VN049466.D

Acq: 21 Jun 2018 14:09

Instrument :

MSVOA_N

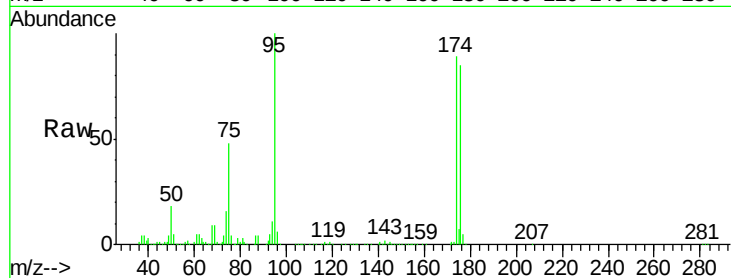
ClientSampled :

Tot Ion: 75 Resp: 294523

Ion Ratio Lower Upper

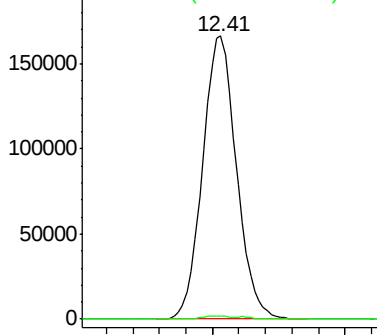
75 100

77 1.0 0.0 0.0#

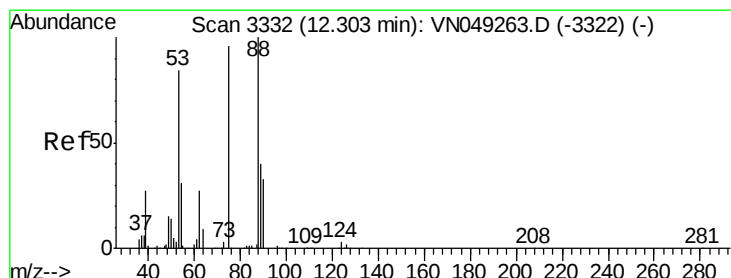
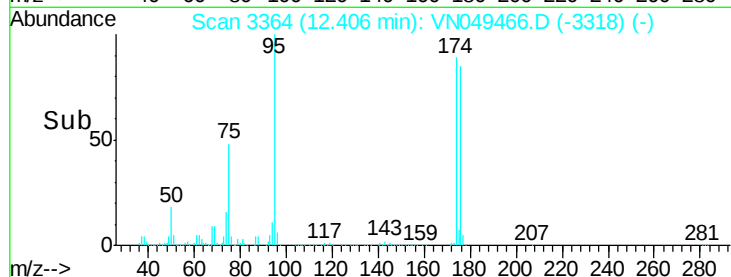


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 137.91 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.10 min

Lab File: VN049466.D

Acq: 21 Jun 2018 14:09

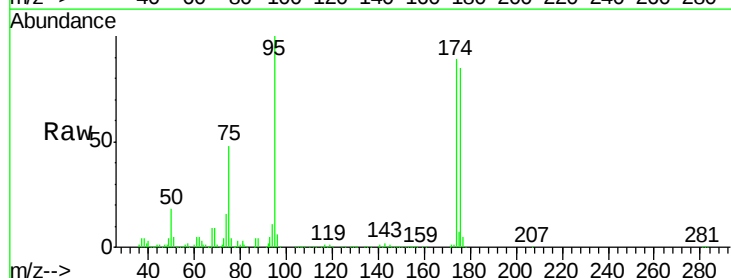
Tgt Ion: 75 Resp: 294523

Ion Ratio Lower Upper

75 100

53 0.2 82.7 124.1#

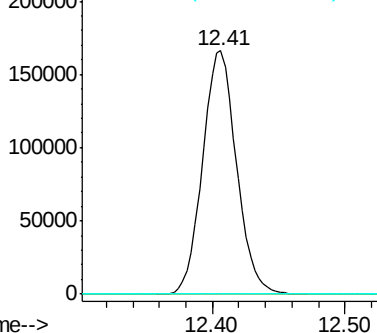
89 0.0 36.5 54.7#



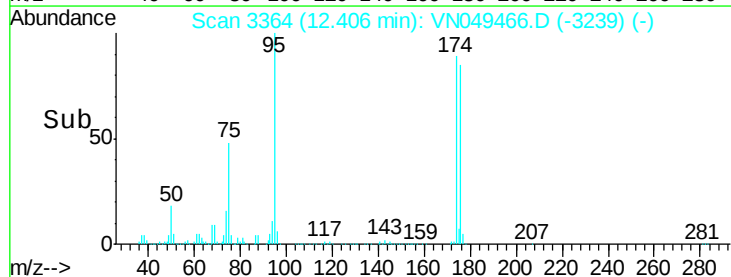
Abundance Ion 74.90 (74.60 to 75.60): VNO

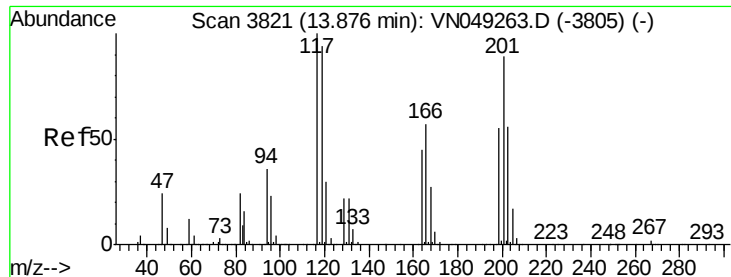
Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO



Time-->





#90

Hexachloroethane

Concen: Below Cal

RT: 13.91 min Scan# 3833

Delta R.T. 0.04 min

Lab File: VN049466.D

Acq: 21 Jun 2018 14:09

Instrument :

MSVOA_N

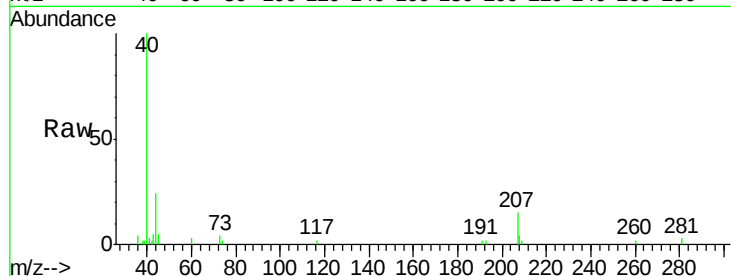
ClientSampled :

Tot Ion:117 Resp: 75

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

13.91

200

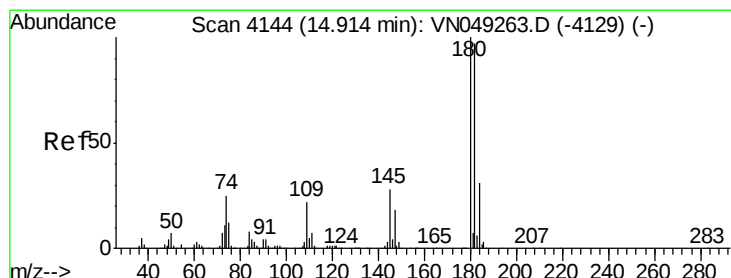
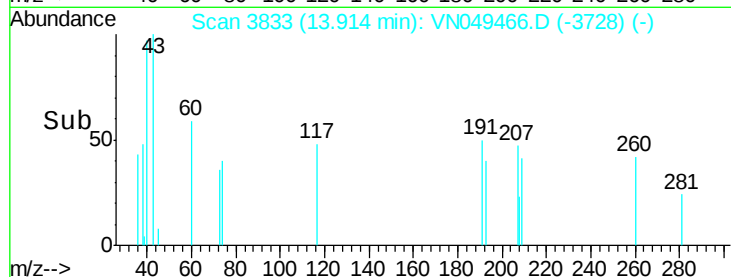
150

100

50

0

Time--> 13.90 13.91 13.92



#93

1,2,4-Trichlorobenzene

Concen: 4.80 ug/l

RT: 14.91 min Scan# 4144

Delta R.T. 0.00 min

Lab File: VN049466.D

Acq: 21 Jun 2018 14:09

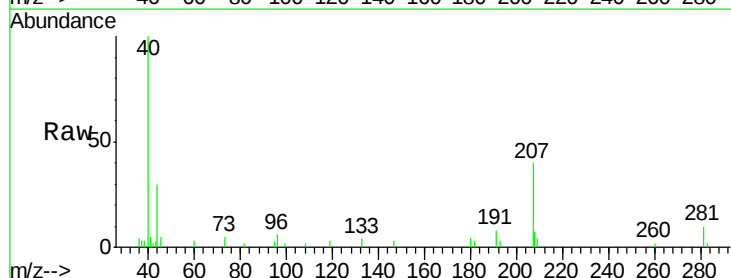
Tgt Ion:180 Resp: 432

Ion Ratio Lower Upper

180 100

182 31.0 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

400

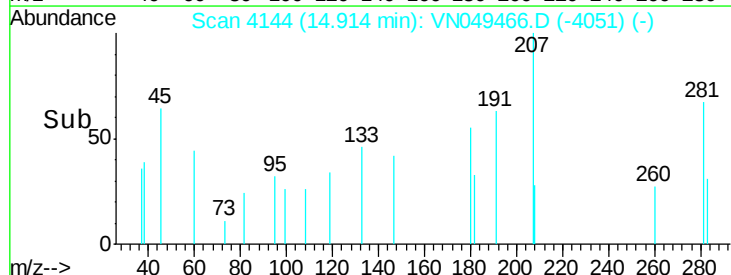
300

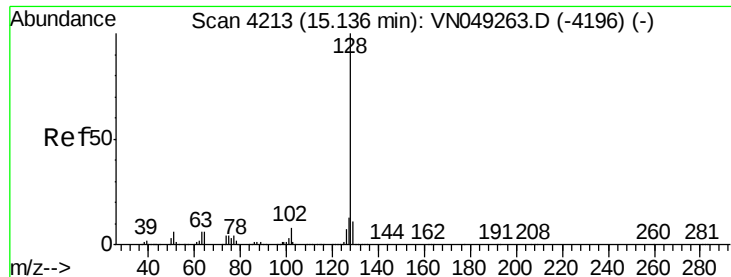
200

100

0

Time--> 14.88 14.90 14.92 14.94





#95

Naphthalene

Concen: 2.19 ug/l

RT: 15.15 min Scan# 4216

Delta R.T. 0.01 min

Lab File: VN049466.D

Acq: 21 Jun 2018 14:09

Instrument :

MSVOA_N

ClientSampleId :

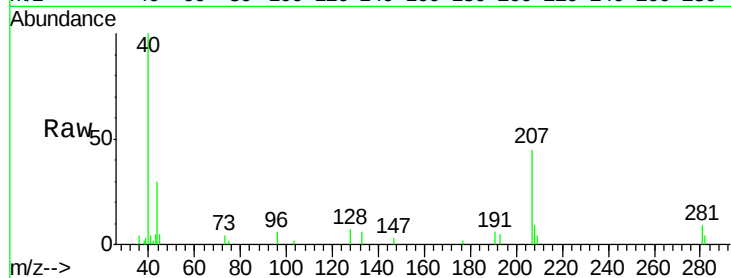
Tot Ion:128 Resp: 1207

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 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

15.15

600

400

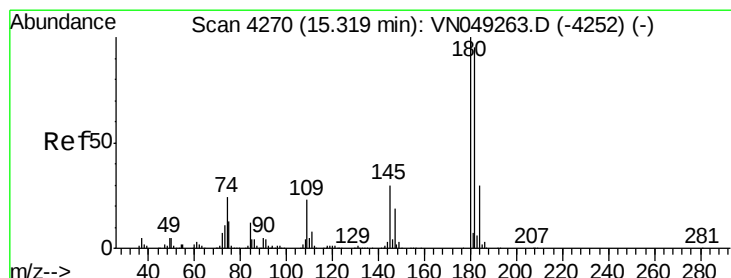
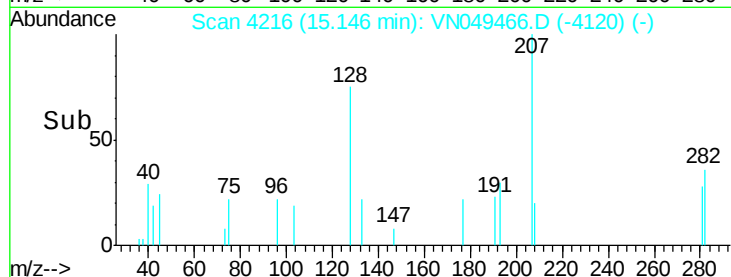
200

0

15.10

15.15

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 3.50 ug/l

RT: 15.31 min Scan# 4268

Delta R.T. -0.01 min

Lab File: VN049466.D

Acq: 21 Jun 2018 14:09

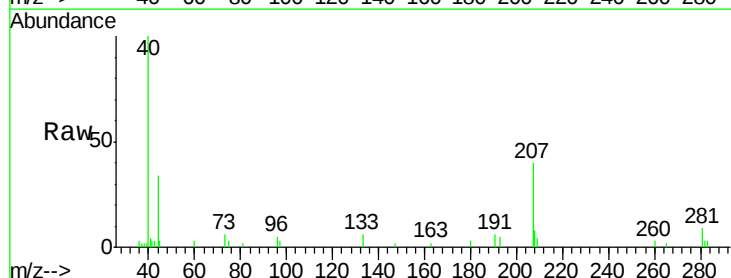
Tgt Ion:180 Resp: 335

Ion Ratio Lower Upper

180 100

182 20.9 47.3 141.8#

145 0.0 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

15.31

300

200

100

0

15.30

15.32

15.34

Time-->

