

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061818\
 Data File : VN049357.D
 Acq On : 18 Jun 2018 21:14
 Operator : MD\SY
 Sample : PB110313ZHE#10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 19 01:35:59 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	1224904	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1994988	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1630848	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	508665	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	849216	52.27	ug/l	0.00
Spiked Amount			Recovery	=	104.54%	
35) Dibromofluoromethane	7.59	113	735154	45.55	ug/l	0.00
Spiked Amount			Recovery	=	91.10%	
50) Toluene-d8	10.09	98	2696909	43.88	ug/l	0.00
Spiked Amount			Recovery	=	87.76%	
62) 4-Bromofluorobenzene	12.41	95	704180	34.65	ug/l	0.00
Spiked Amount			Recovery	=	69.30%	

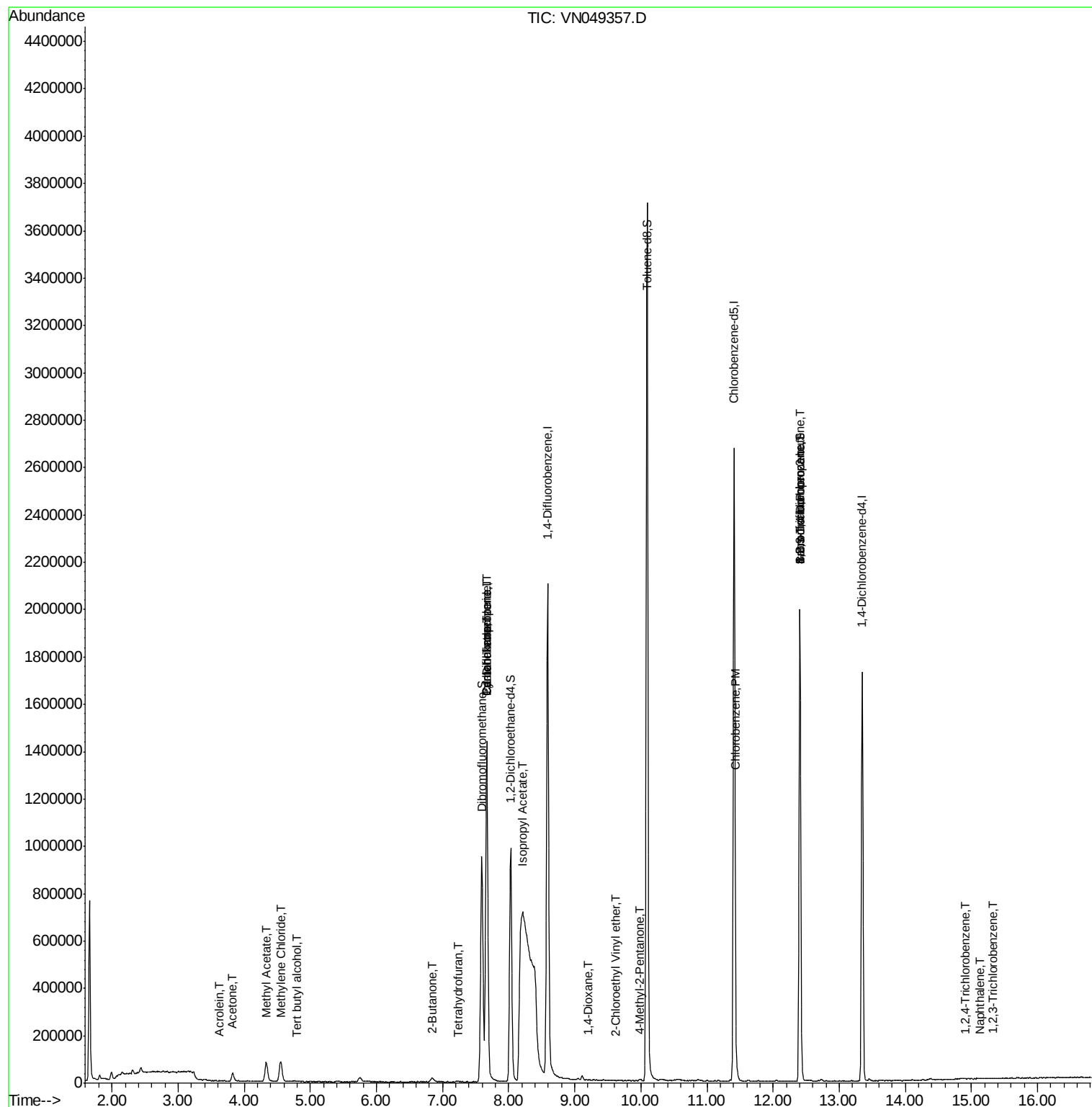
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.80	59	370	0.39	ug/l #	70
13) Acrolein	3.61	56	201	0.20	ug/l #	1
16) Acetone	3.82	43	54926	13.92	ug/l #	85
18) Methyl Acetate	4.34	43	161331	13.41	ug/l #	96
20) Methylene Chloride	4.55	84	66132	4.01	ug/l #	82
25) 2-Butanone	6.85	43	8964	1.69	ug/l #	88
29) Tetrahydrofuran	7.23	42	1770	0.52	ug/l #	89
31) Cyclohexane	7.67	56	22819	0.78	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	86931	3.80	ug/l #	50
38) Carbon Tetrachloride	7.67	117	109826	4.64	ug/l #	18
43) Isopropyl Acetate	8.21	43	1166239	49.11	ug/l #	64
49) 1,4-Dioxane	9.21	88	161	1.04	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	5817	0.47	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.63	63	32	14.33	ug/l #	51
65) Chlorobenzene	11.44	112	23790	0.57	ug/l	99
71) Bromoform	12.41	173	4911	0.48	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.41	83	540	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.41	75	342147	39.42	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	342147	124.59	ug/l #	9
90) Hexachloroethane	14.01	117	70	Below Cal	#	9
93) 1,2,4-Trichlorobenzene	14.91	180	178	4.76	ug/l #	13
95) Naphthalene	15.13	128	996	2.15	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.32	180	91	3.47	ug/l #	13

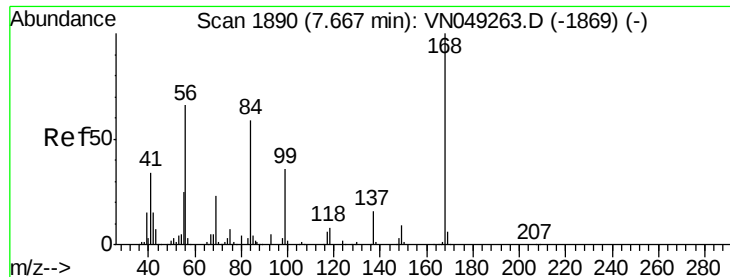
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN049357.D

Acq: 18 Jun 2018 21:14

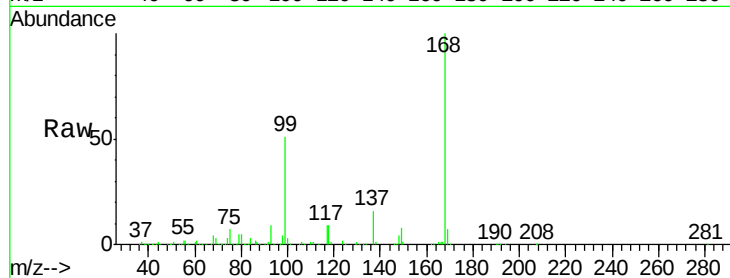
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 1224904

Ion Ratio Lower Upper

168 100

99 51.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

600000

500000

400000

300000

200000

100000

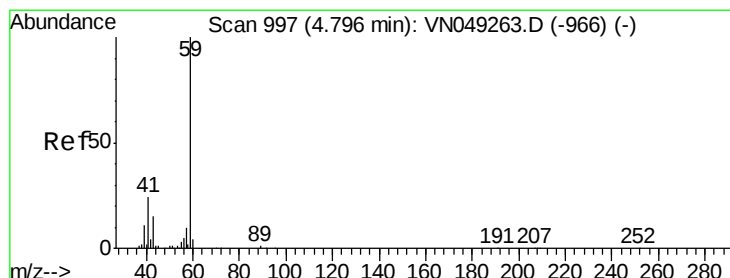
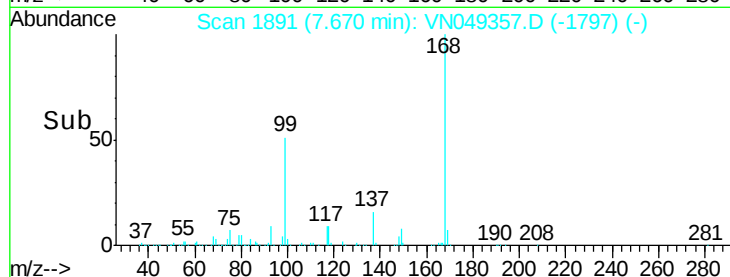
0

7.67

7.60

7.70

Time-->



#11

Tert butyl alcohol

Concen: 0.39 ug/l

RT: 4.80 min Scan# 997

Delta R.T. 0.00 min

Lab File: VN049357.D

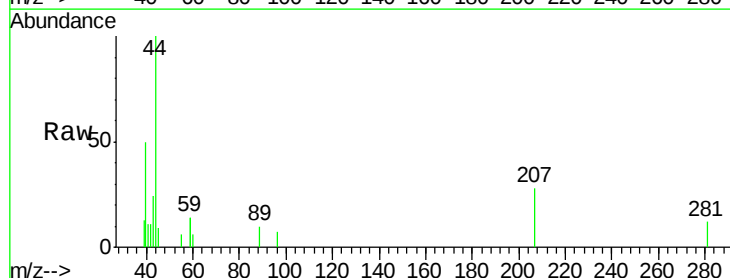
Acq: 18 Jun 2018 21:14

Tgt Ion: 59 Resp: 370

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

800

600

400

200

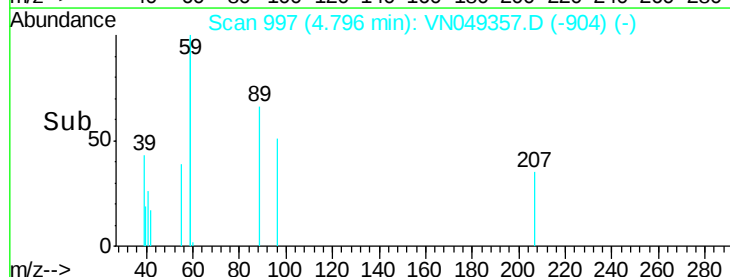
0

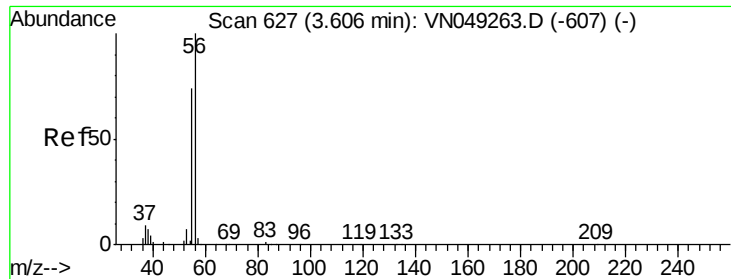
4.80

4.78

4.82

Time-->





#13

Acrolein

Concen: 0.20 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049357.D

Acq: 18 Jun 2018 21:14

Instrument :

MSVOA_N

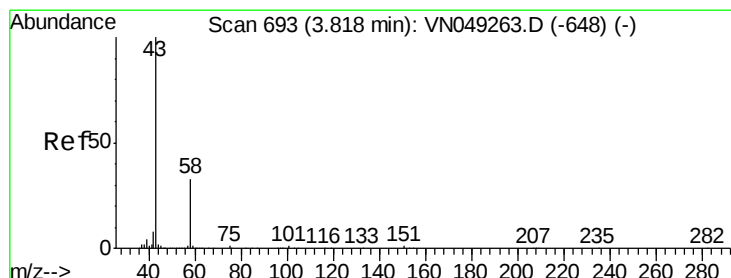
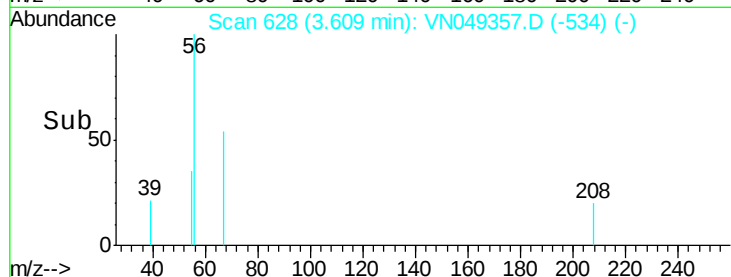
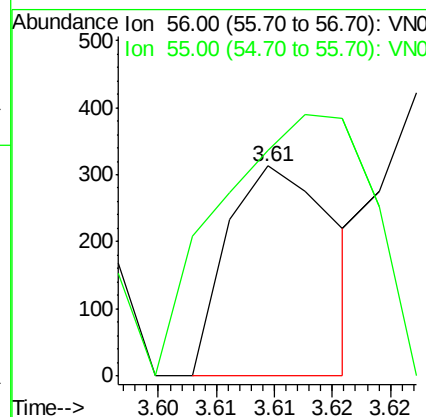
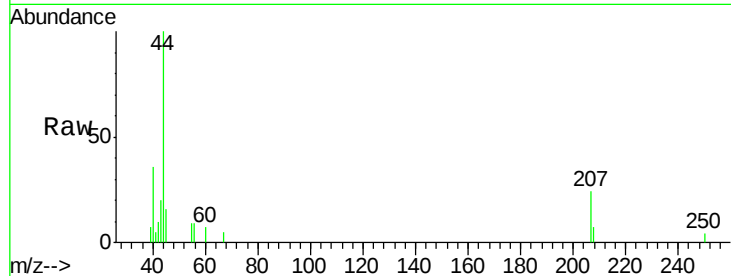
ClientSampleId :

Tot Ion: 56 Resp: 201

Ion Ratio Lower Upper

56 100

55 177.1 57.1 85.7#



#16

Acetone

Concen: 13.92 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN049357.D

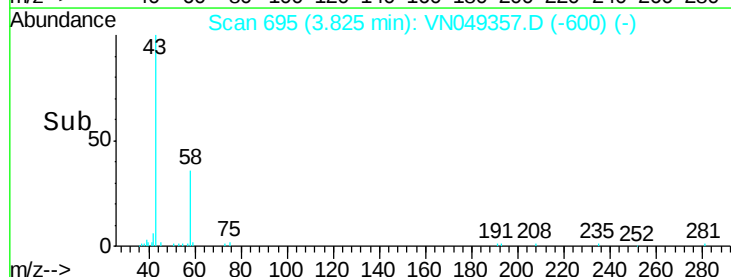
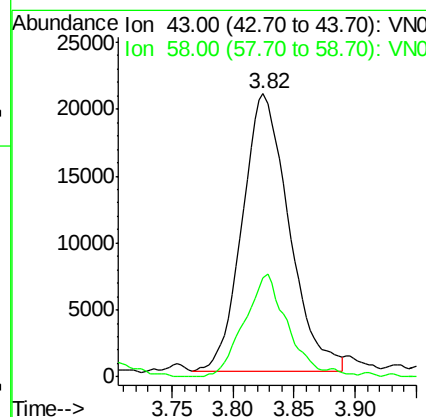
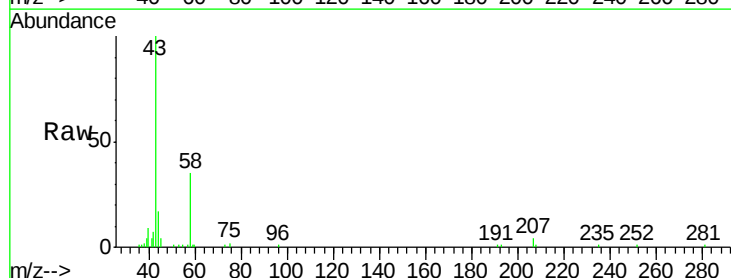
Acq: 18 Jun 2018 21:14

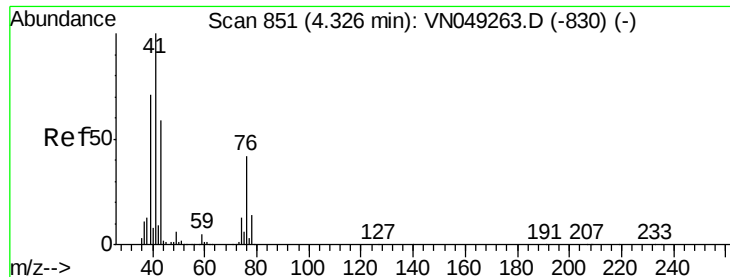
Tgt Ion: 43 Resp: 54926

Ion Ratio Lower Upper

43 100

58 35.8 22.4 33.6#





#18

Methvl Acetate

Concen: 13.41 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN049357.D

Acq: 18 Jun 2018 21:14

Instrument :

MSVOA_N

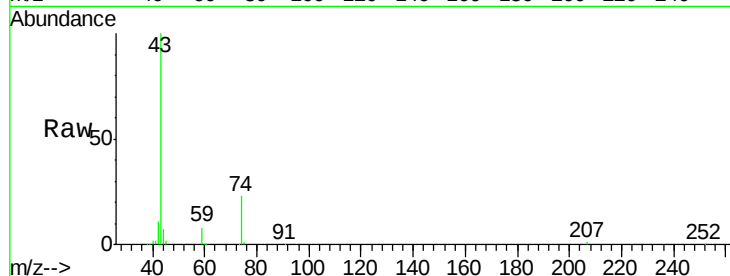
ClientSampleId :

Tot Ion: 43 Resp: 161331

Ion Ratio Lower Upper

43 100

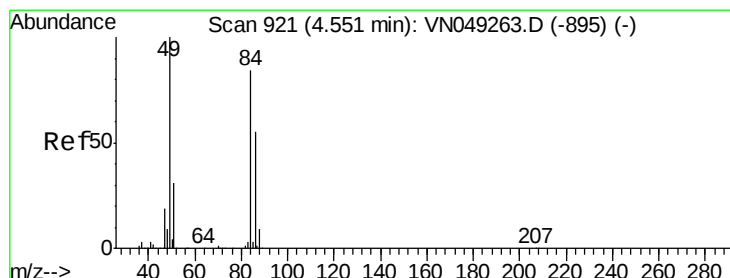
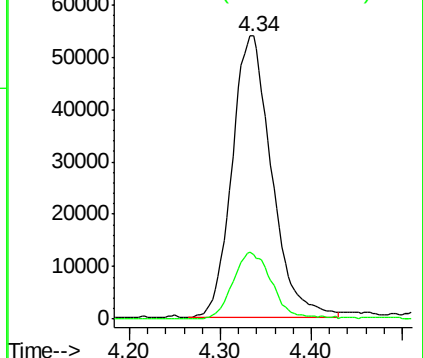
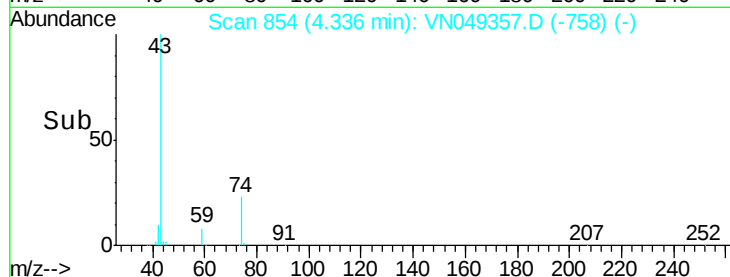
74 23.5 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VN049357.D (-758) (-)

Ion 74.00 (73.70 to 74.70): VN049357.D (-758) (-)

Time-->



#20

Methylene Chloride

Concen: 4.01 ug/l

RT: 4.55 min Scan# 920

Delta R.T. -0.00 min

Lab File: VN049357.D

Acq: 18 Jun 2018 21:14

Tgt Ion: 84 Resp: 66132

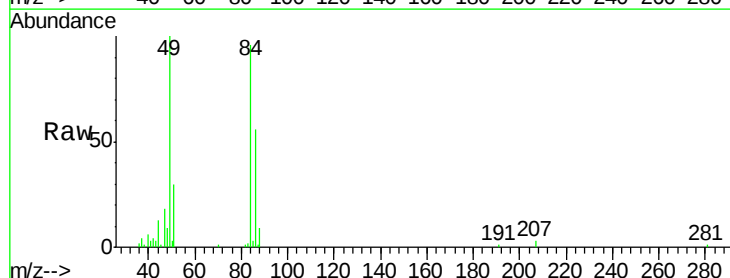
Ion Ratio Lower Upper

84 100

49 104.4 106.9 160.3#

51 31.5 32.7 49.1#

86 58.7 49.8 74.8



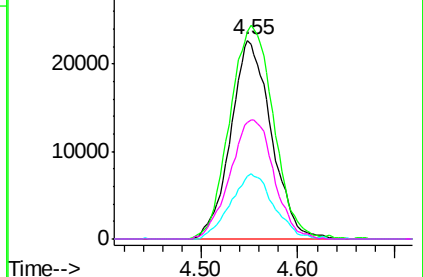
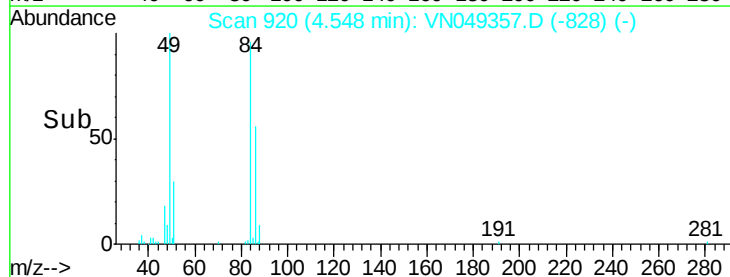
Abundance Ion 83.90 (83.60 to 84.60): VN049357.D (-828) (-)

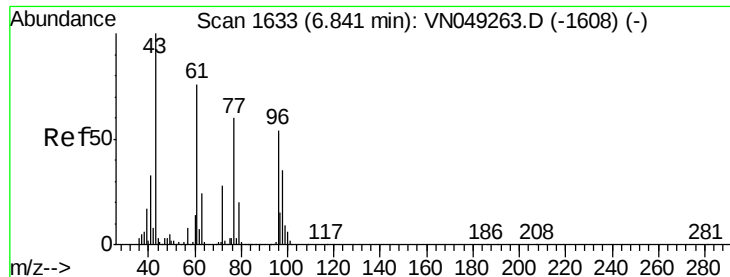
Ion 48.90 (48.60 to 49.60): VN049357.D (-828) (-)

Ion 50.90 (50.60 to 51.60): VN049357.D (-828) (-)

Ion 85.90 (85.60 to 86.60): VN049357.D (-828) (-)

Time-->





#25

2-Butanone

Concen: 1.69 ug/l

RT: 6.85 min Scan# 1636

Delta R.T. 0.01 min

Lab File: VN049357.D

Acq: 18 Jun 2018 21:14

Instrument :

MSVOA_N

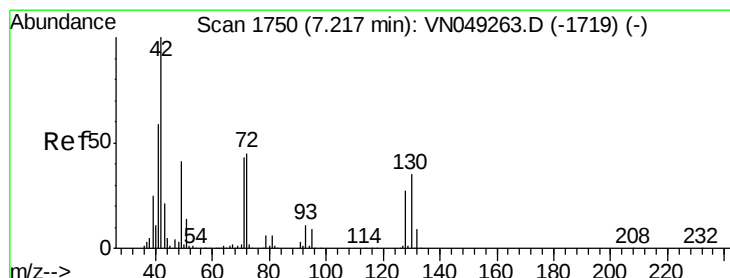
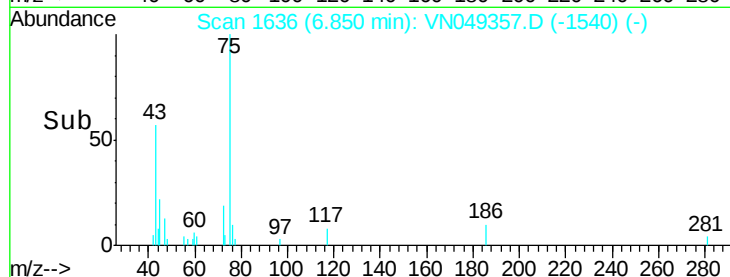
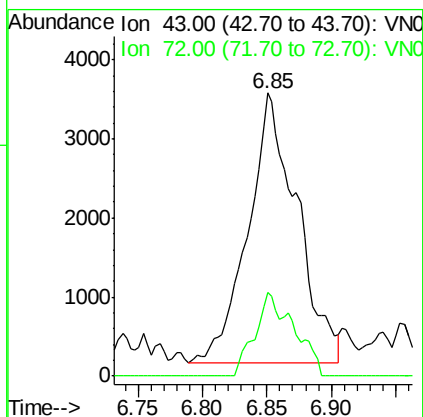
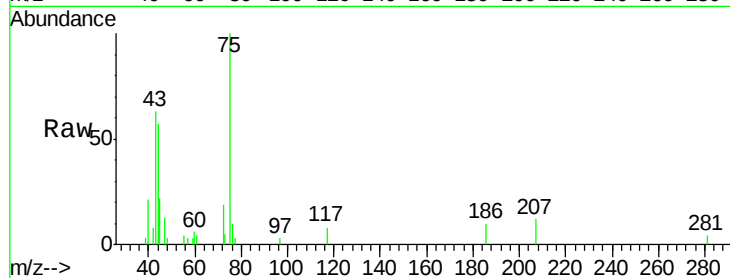
ClientSampleId :

Tot Ion: 43 Resp: 8964

Ion Ratio Lower Upper

43 100

72 31.0 20.2 30.2#



#29

Tetrahydrofuran

Concen: 0.52 ug/l

RT: 7.23 min Scan# 1754

Delta R.T. 0.01 min

Lab File: VN049357.D

Acq: 18 Jun 2018 21:14

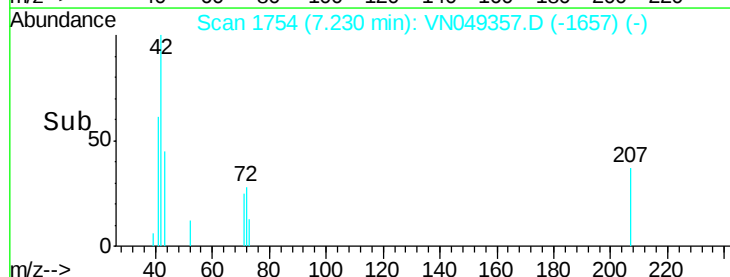
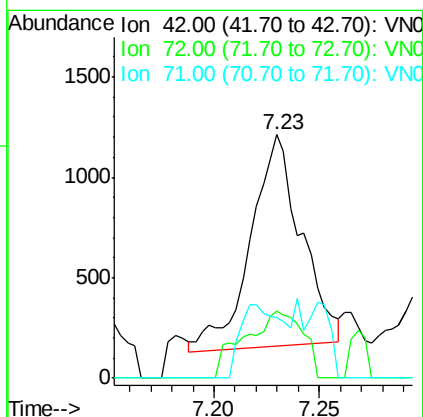
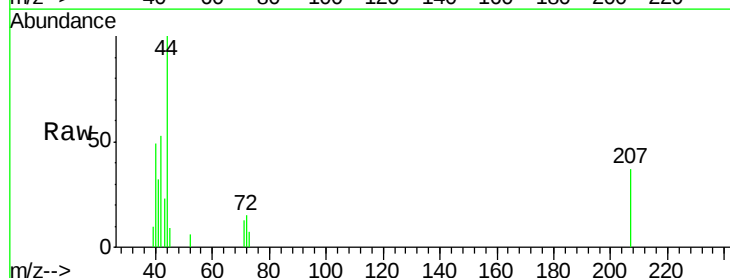
Tgt Ion: 42 Resp: 1770

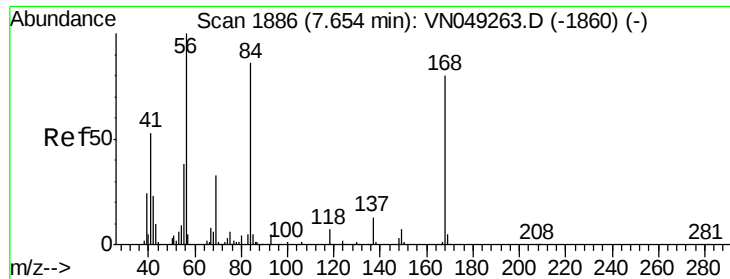
Ion Ratio Lower Upper

42 100

72 36.3 32.2 48.4

71 29.2 30.5 45.7#

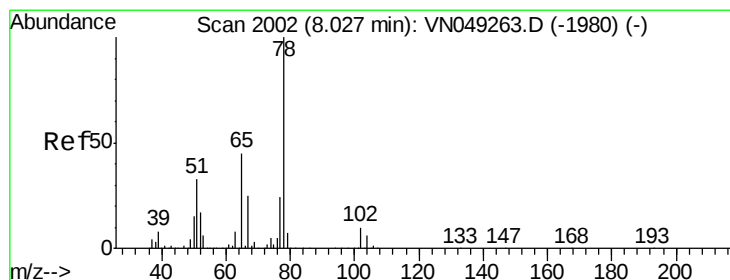
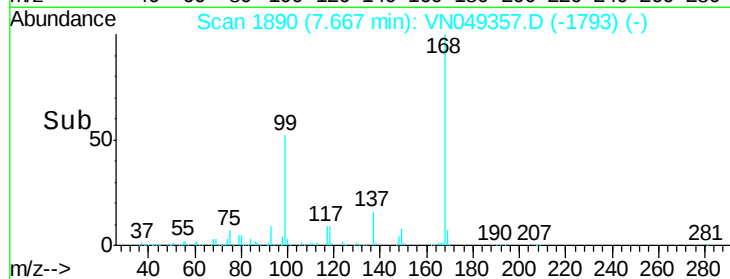
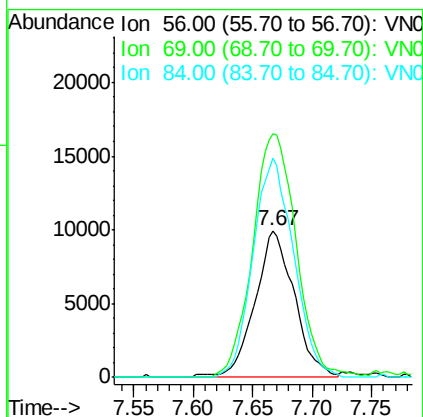
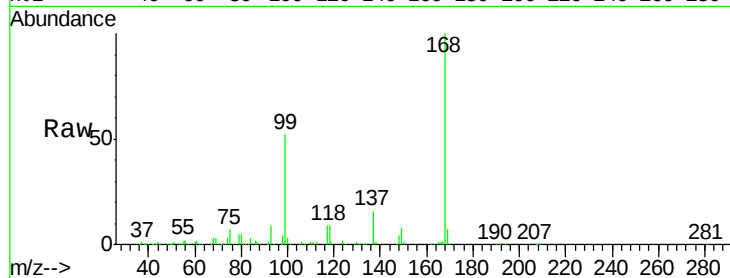




#31
Cvclohexane
Concen: 0.78 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049357.D
Acq: 18 Jun 2018 21:14

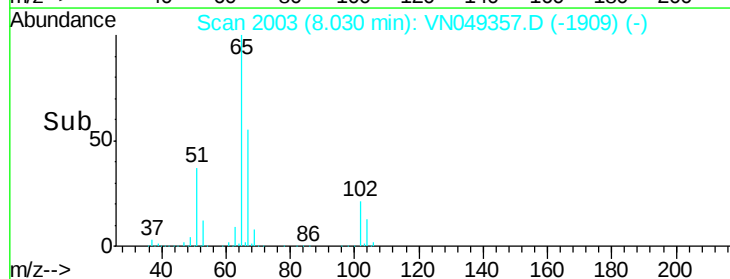
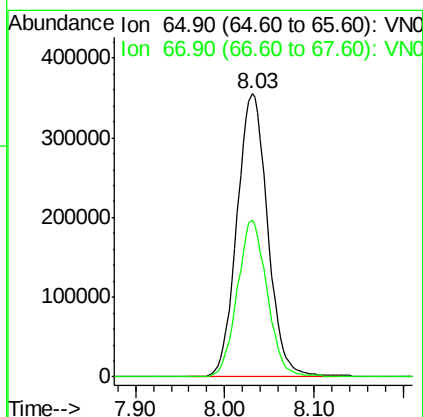
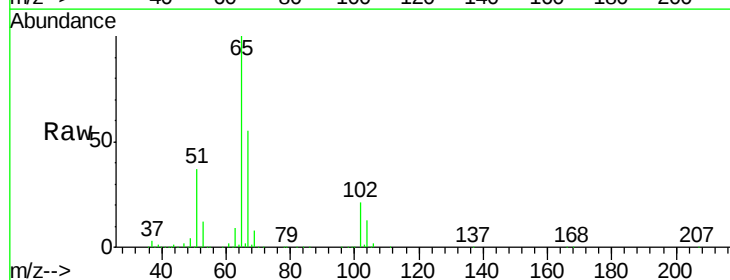
Instrument :
MSVOA_N
ClientSampleId :

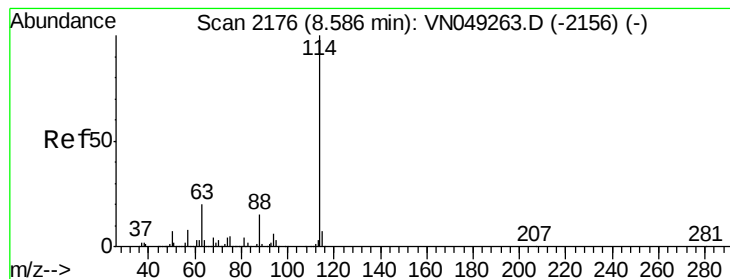
Tot Ion: 56 Resp: 22819
Ion Ratio Lower Upper
56 100
69 166.0 25.0 37.4#
84 149.3 64.6 96.8#



#33
1,2-Dichloroethane-d4
Concen: 52.27 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN049357.D
Acq: 18 Jun 2018 21:14

Tgt Ion: 65 Resp: 849216
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: VN049357.D

Acq: 18 Jun 2018 21:14

Instrument :

MSVOA_N

ClientSampleId :

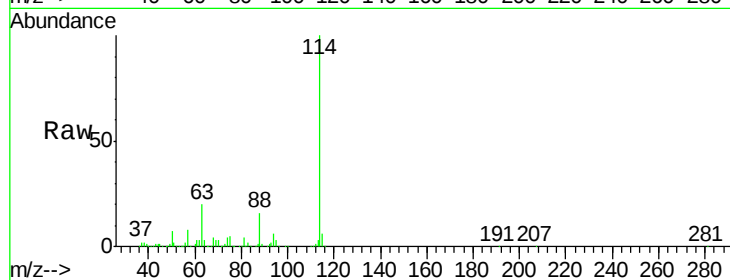
Tot Ion:114 Resp: 1994988

Ion Ratio Lower Upper

114 100

63 19.7 0.0 44.4

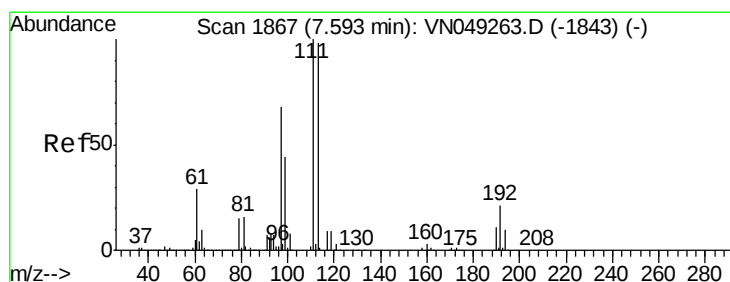
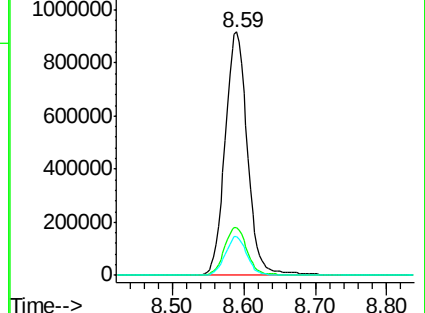
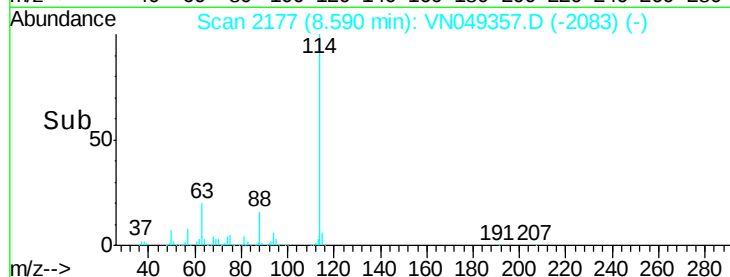
88 15.9 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 45.55 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049357.D

Acq: 18 Jun 2018 21:14

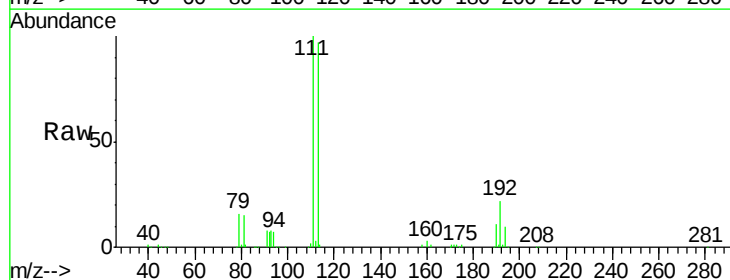
Tgt Ion:113 Resp: 735154

Ion Ratio Lower Upper

113 100

111 103.7 82.4 123.6

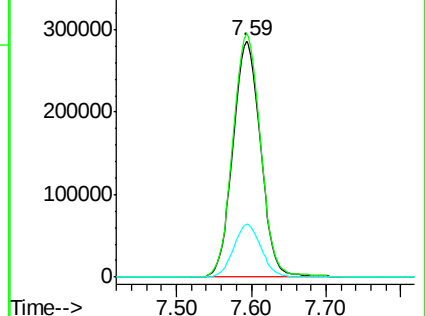
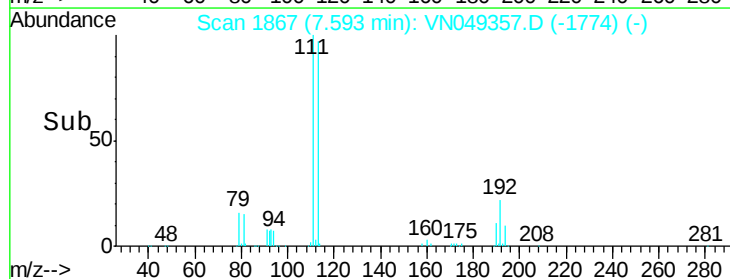
192 22.3 15.0 22.6

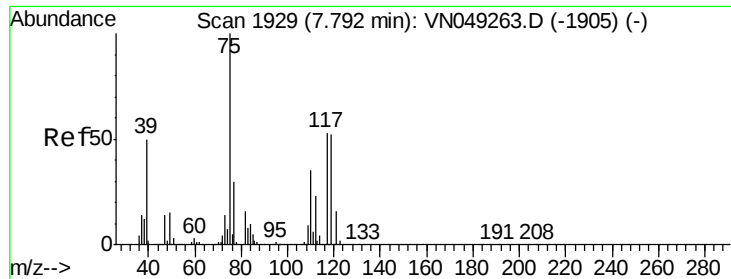


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.80 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.12 min

Lab File: VN049357.D

Acq: 18 Jun 2018 21:14

Instrument :
MSVOA_N
ClientSampled :

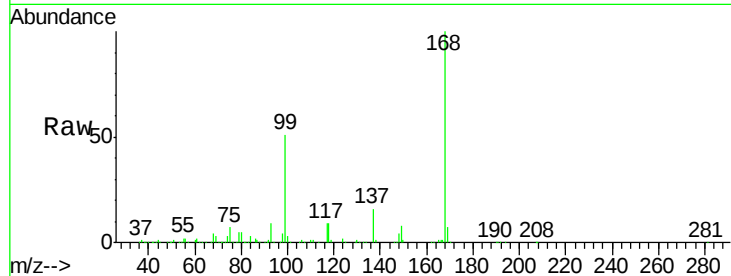
Tot Ion: 75 Resp: 86931

Ion Ratio Lower Upper

75 100

110 8.7 17.0 50.9#

77 0.1 24.4 36.6#

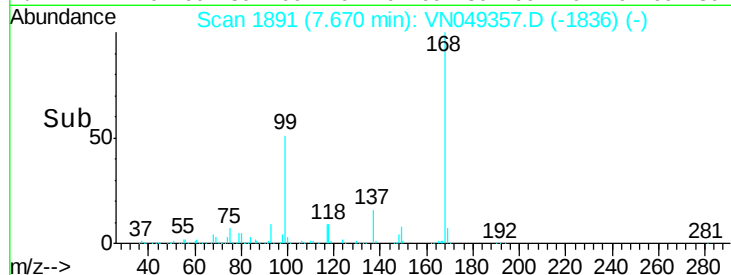


Abundance Ion 74.90 (74.60 to 75.60): VN049263.D (-1905) (-)

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

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

Time-->

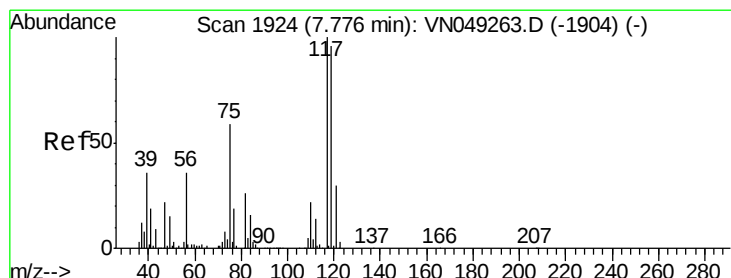


Abundance Ion 74.90 (74.60 to 75.60): VN049357.D (-1836) (-)

Ion 109.90 (109.60 to 110.60): VN049357.D (-1836) (-)

Ion 76.90 (76.60 to 77.60): VN049357.D (-1836) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 4.64 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.11 min

Lab File: VN049357.D

Acq: 18 Jun 2018 21:14

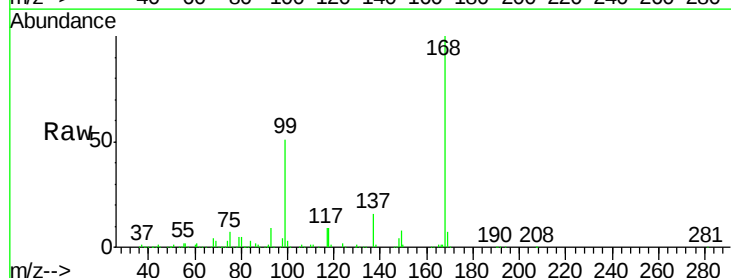
Tgt Ion: 117 Resp: 109826

Ion Ratio Lower Upper

117 100

119 6.7 75.6 113.4#

121 0.0 24.7 37.1#

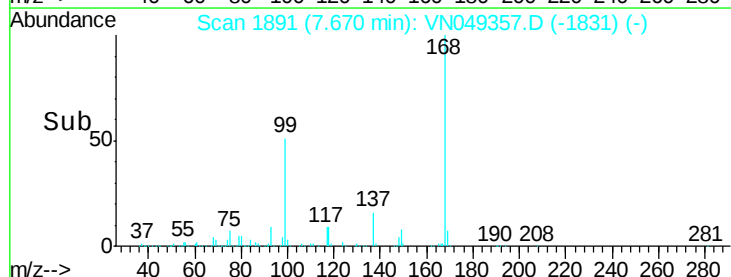


Abundance Ion 116.80 (116.50 to 117.50): VN049263.D (-1904) (-)

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

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

Time-->

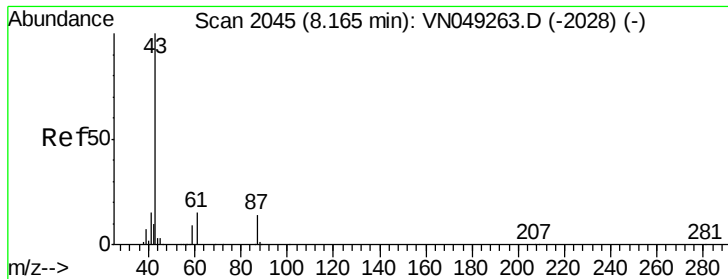


Abundance Ion 116.80 (116.50 to 117.50): VN049357.D (-1831) (-)

Ion 118.80 (118.50 to 119.50): VN049357.D (-1831) (-)

Ion 120.80 (120.50 to 121.50): VN049357.D (-1831) (-)

Time-->

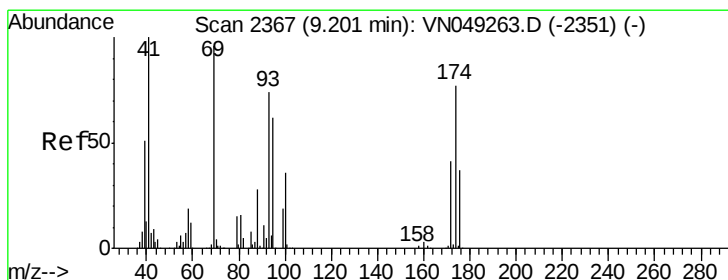
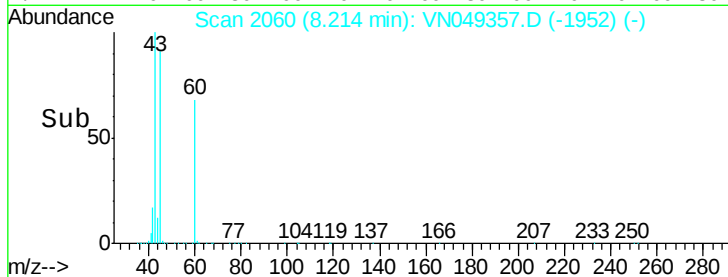
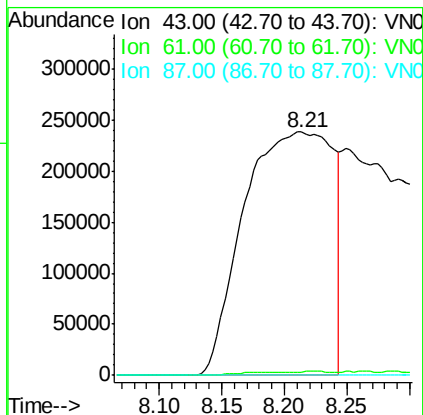
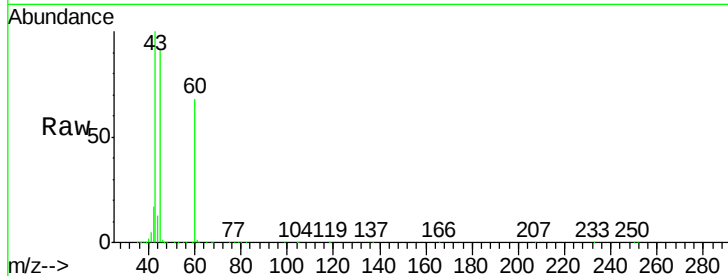


#43

Isopropyl Acetate
 Concen: 49.11 ug/l
 RT: 8.21 min Scan# 2060
 Delta R.T. 0.05 min
 Lab File: VN049357.D
 Acq: 18 Jun 2018 21:14

Instrument :
 MSVOA_N
 ClientSampled :

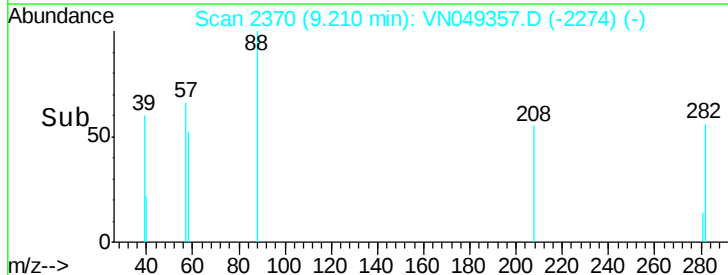
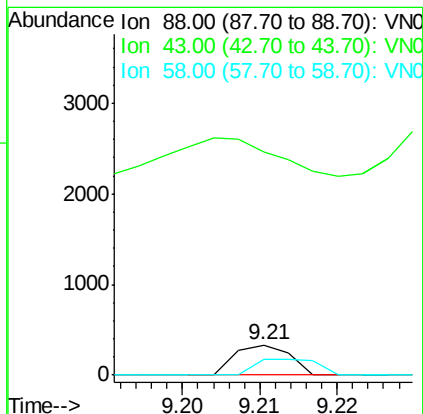
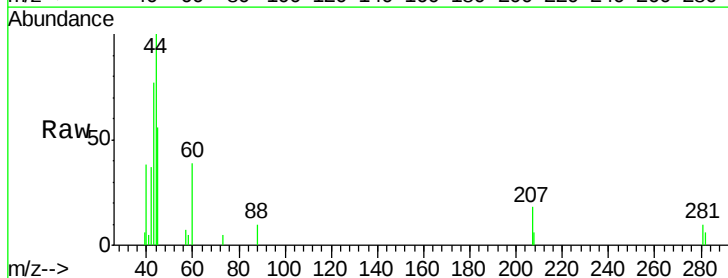
Tot Ion: 43 Resp: 1166239
 Ion Ratio Lower Upper
 43 100
 61 0.0 14.2 21.4#
 87 0.0 9.4 14.0#

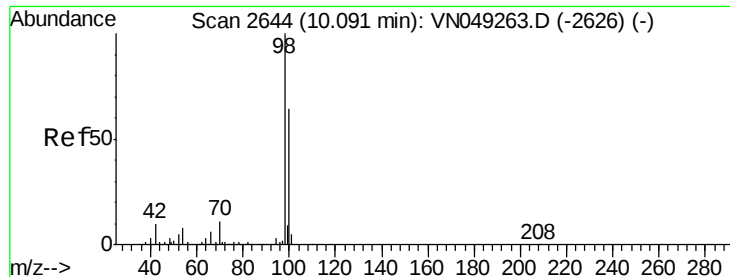


#49

1,4-Dioxane
 Concen: 1.04 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.01 min
 Lab File: VN049357.D
 Acq: 18 Jun 2018 21:14

Tgt Ion: 88 Resp: 161
 Ion Ratio Lower Upper
 88 100
 43 230.4 30.9 46.3#
 58 60.2 58.9 88.3





#50

Toluene-d8

Concen: 43.88 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049357.D

Acq: 18 Jun 2018 21:14

Instrument :

MSVOA_N

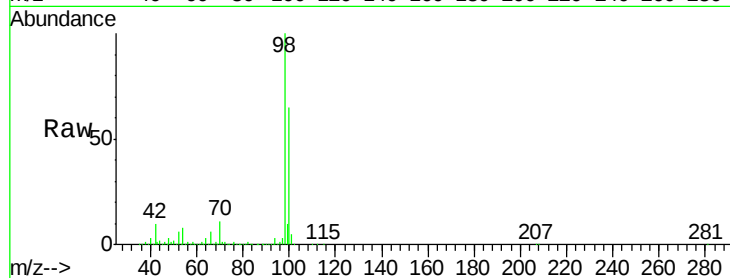
ClientSampleId :

Tot Ion: 98 Resp: 2696909

Ion Ratio Lower Upper

98 100

100 63.4 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

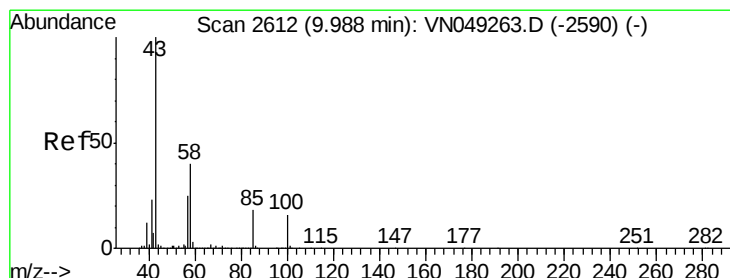
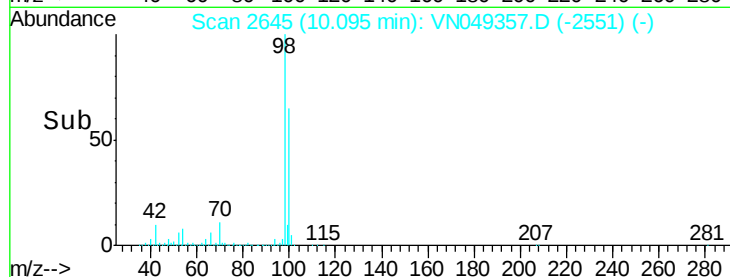
1500000

1000000

500000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.47 ug/l

RT: 9.99 min Scan# 2613

Delta R.T. 0.00 min

Lab File: VN049357.D

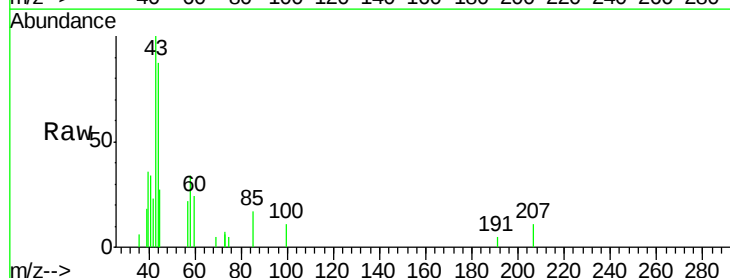
Acq: 18 Jun 2018 21:14

Tgt Ion: 43 Resp: 5817

Ion Ratio Lower Upper

43 100

58 38.3 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

4000

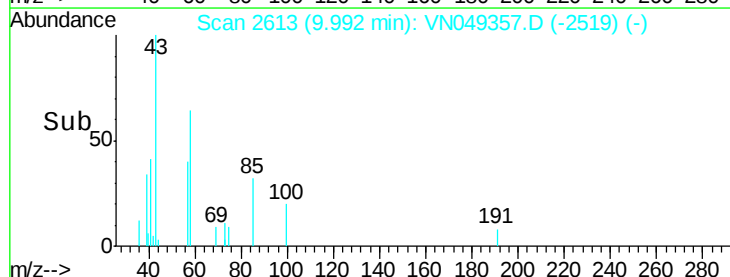
3000

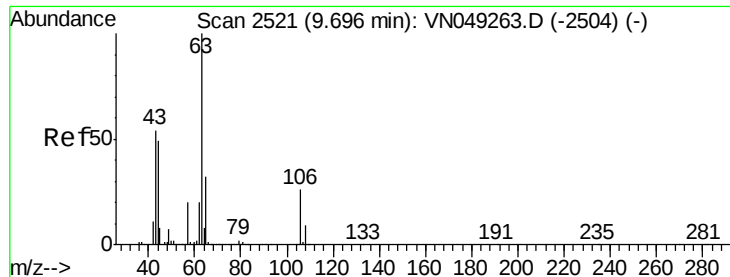
2000

1000

0

Time-->

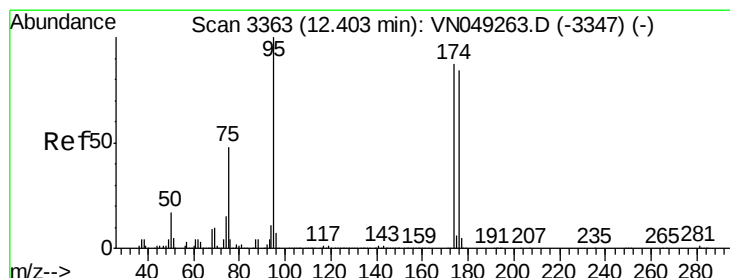
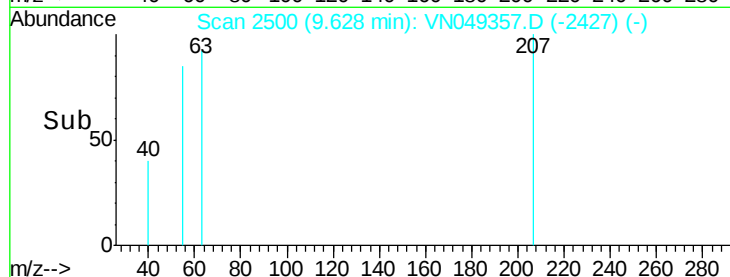
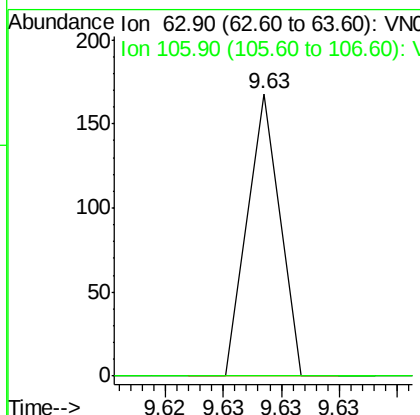
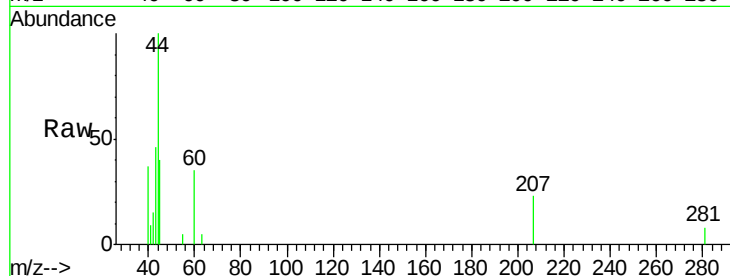




#58
 2-Chloroethyl Vinyl ether
 Concen: 14.33 ug/l
 RT: 9.63 min Scan# 2500
 Delta R.T. -0.07 min
 Lab File: VN049357.D
 Acq: 18 Jun 2018 21:14

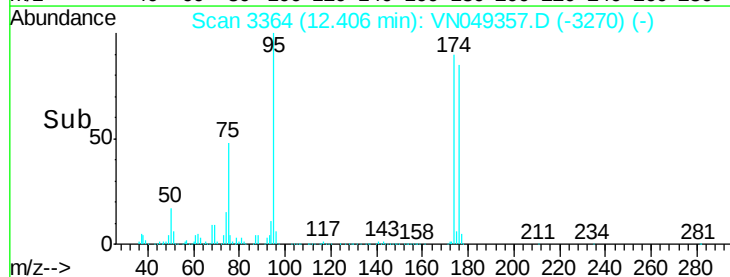
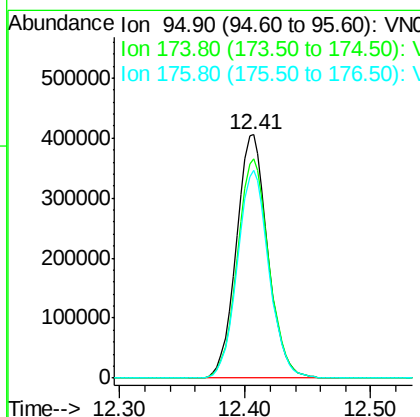
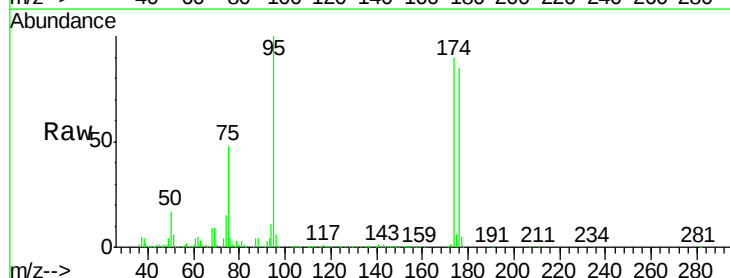
Instrument :
 MSVOA_N
 ClientSampleId :

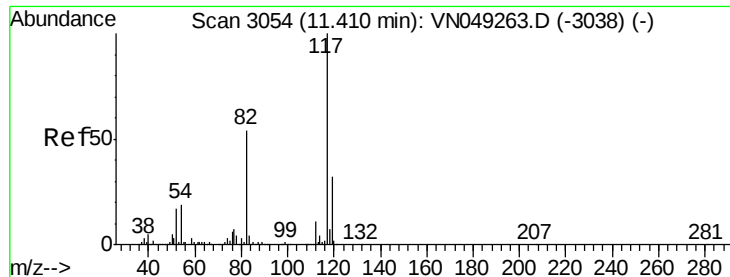
Tot Ion: 63 Resp: 32
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.4 29.2#



#62
 4-Bromofluorobenzene
 Concen: 34.65 ug/l
 RT: 12.41 min Scan# 3364
 Delta R.T. 0.00 min
 Lab File: VN049357.D
 Acq: 18 Jun 2018 21:14

Tgt Ion: 95 Resp: 704180
 Ion Ratio Lower Upper
 95 100
 174 91.1 0.0 165.6
 176 85.8 0.0 157.4

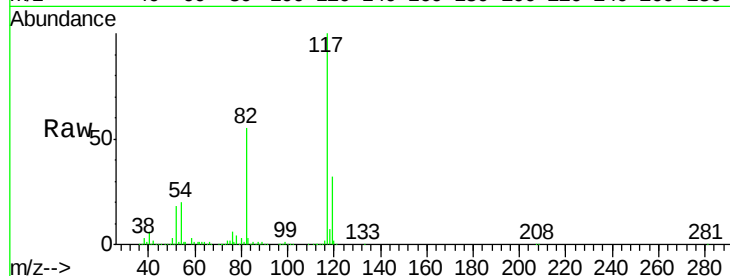




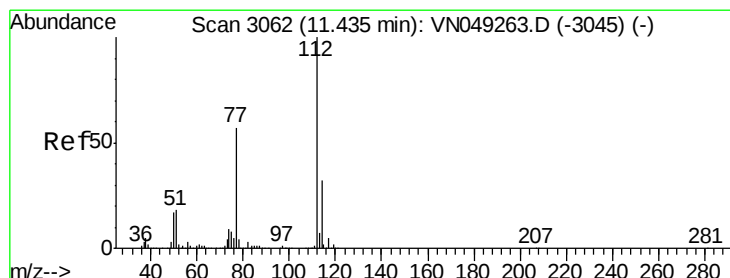
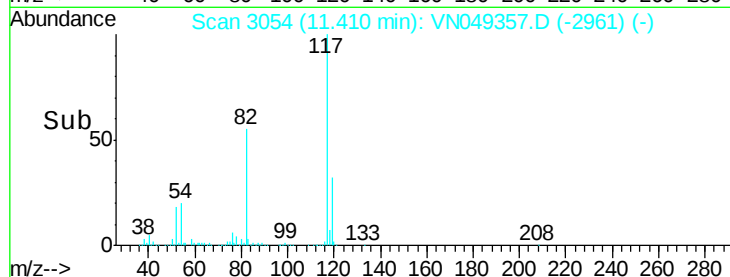
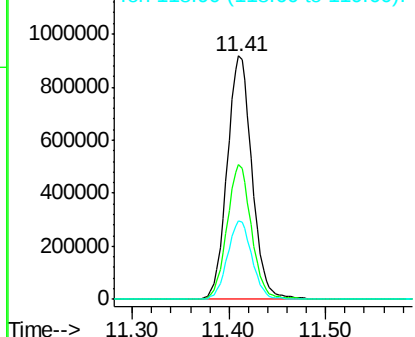
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049357.D
Acq: 18 Jun 2018 21:14

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 1630848
Ion Ratio Lower Upper
117 100
82 55.2 45.9 68.9
119 32.1 25.5 38.3

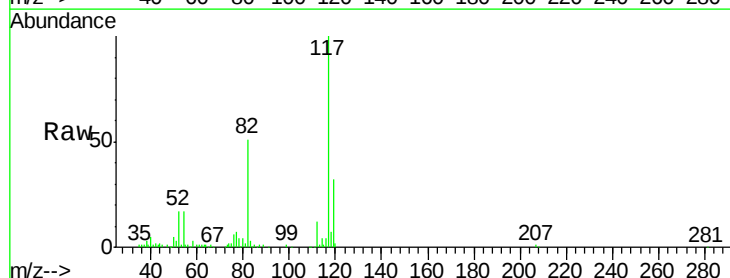


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

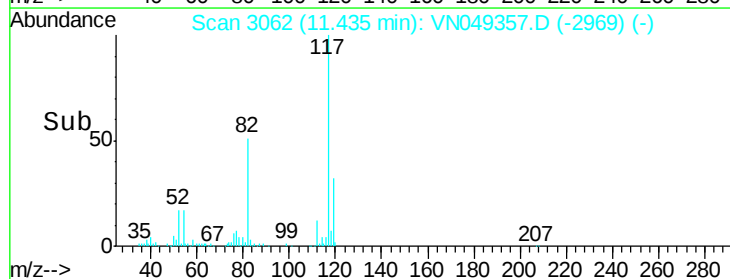
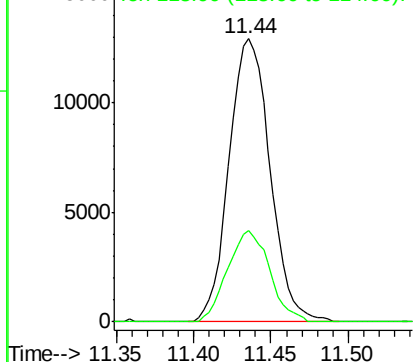


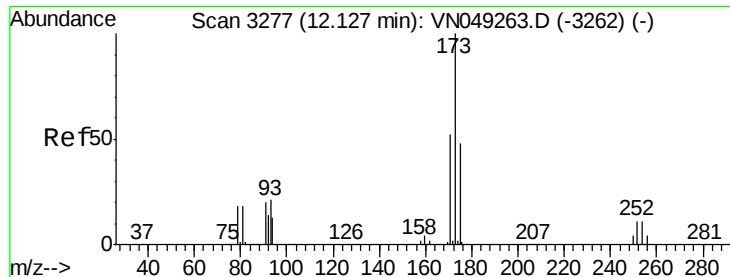
#65
Chlorobenzene
Concen: 0.57 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049357.D
Acq: 18 Jun 2018 21:14

Tgt Ion:112 Resp: 23790
Ion Ratio Lower Upper
112 100
114 32.2 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: 0.48 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.28 min

Lab File: VN049357.D

Acq: 18 Jun 2018 21:14

Instrument :

MSVOA_N

ClientSampled :

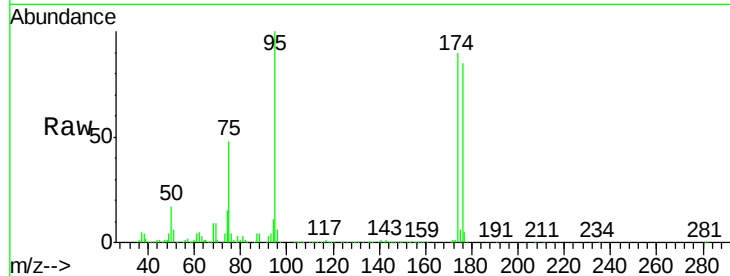
Tot Ion:173 Resp: 4911

Ion Ratio Lower Upper

173 100

175 702.0 24.5 73.5#

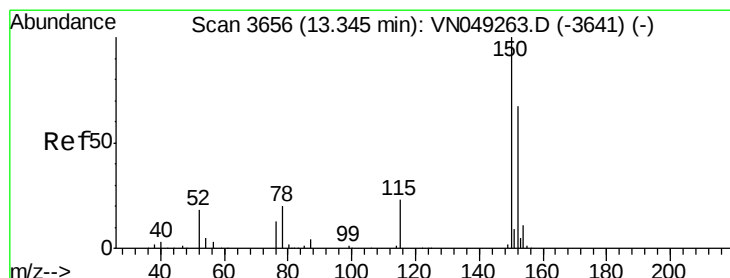
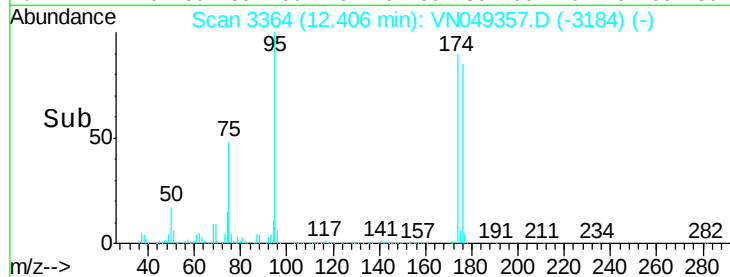
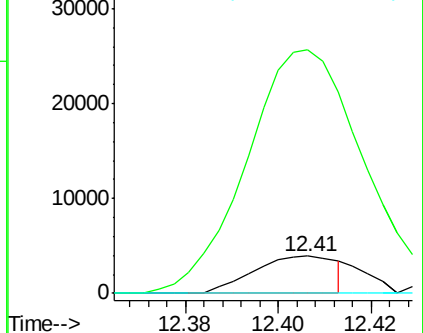
254 0.0 0.1 0.1#



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# 3657

Delta R.T. 0.00 min

Lab File: VN049357.D

Acq: 18 Jun 2018 21:14

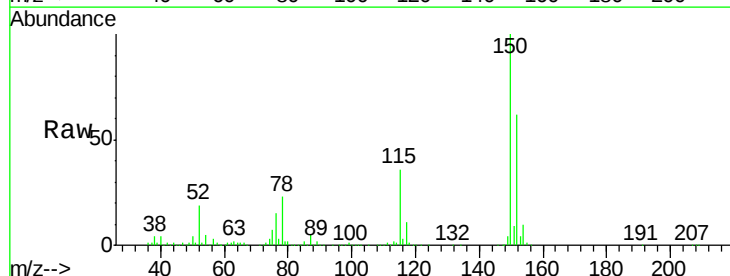
Tgt Ion:152 Resp: 508665

Ion Ratio Lower Upper

152 100

115 56.9 28.7 86.1

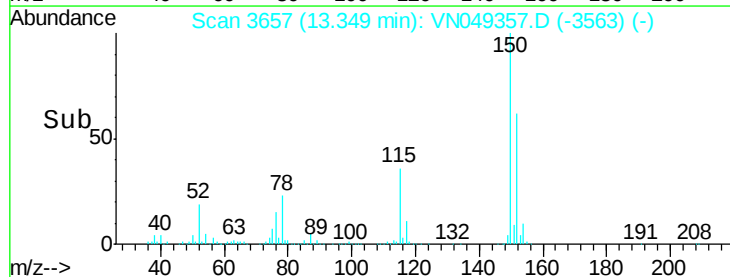
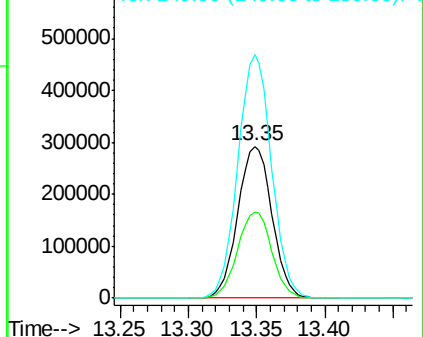
150 158.3 0.0 351.0

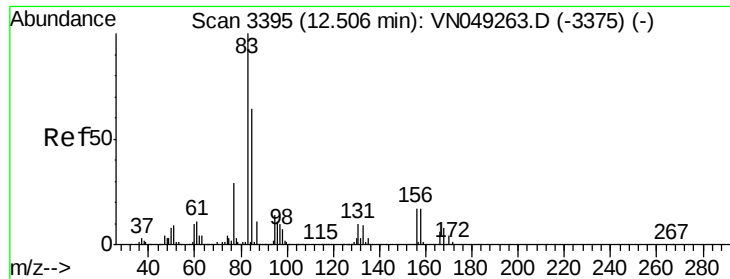


Abundance Ion 151.90 (151.60 to 152.60): V

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: 12.41 min Scan# 3364

Delta R.T. -0.10 min

Lab File: VN049357.D

Acq: 18 Jun 2018 21:14

Instrument :

MSVOA_N

ClientSampled :

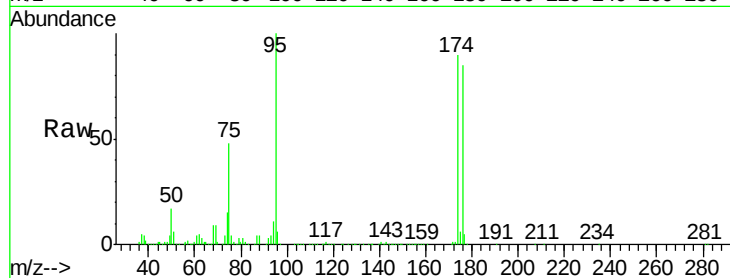
Tot Ion: 83 Resp: 540

Ion Ratio Lower Upper

83 100

131 145.4 5.0 15.0#

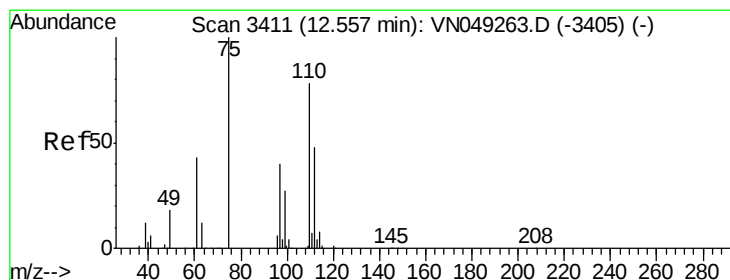
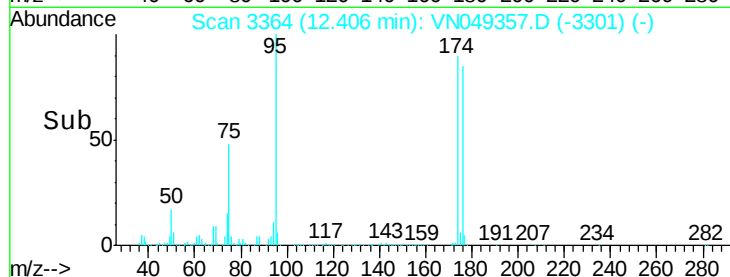
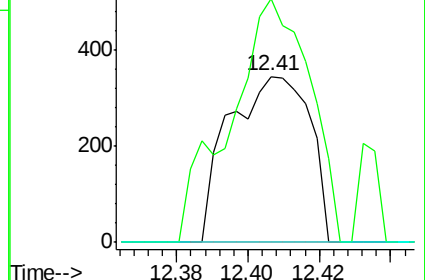
85 0.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 39.42 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. -0.15 min

Lab File: VN049357.D

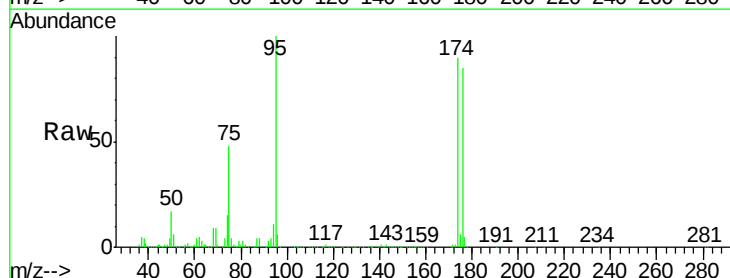
Acq: 18 Jun 2018 21:14

Tgt Ion: 75 Resp: 342147

Ion Ratio Lower Upper

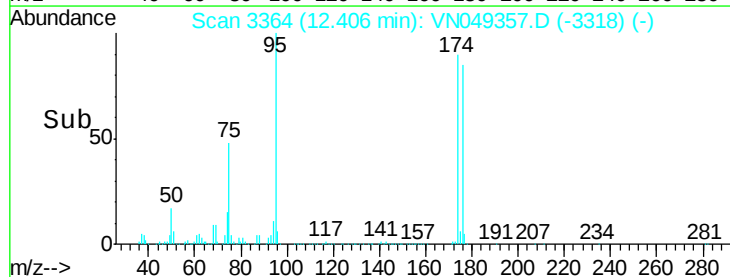
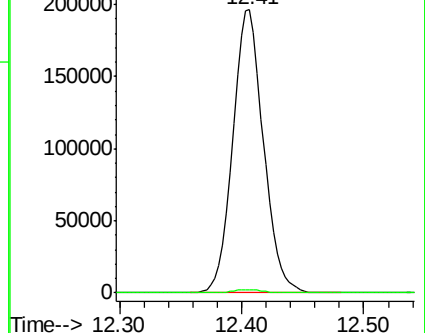
75 100

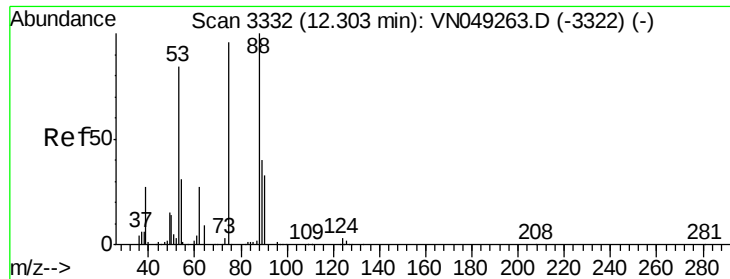
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#81

trans-1,4-Dichloro-2-butene

Concen: 124.59 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.10 min

Lab File: VN049357.D

Acq: 18 Jun 2018 21:14

Instrument :

MSVOA_N

ClientSampleId :

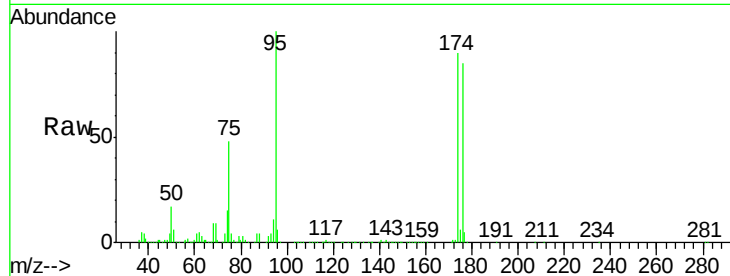
Tot Ion: 75 Resp: 342147

Ion Ratio Lower Upper

75 100

53 0.2 82.7 124.1#

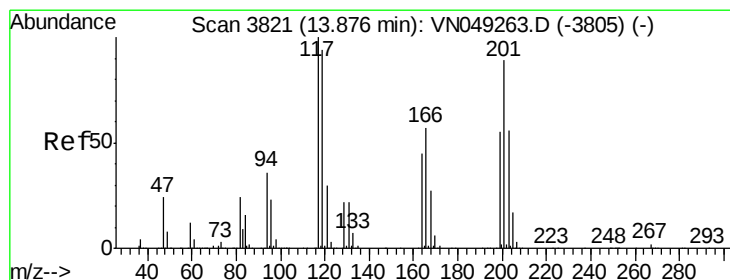
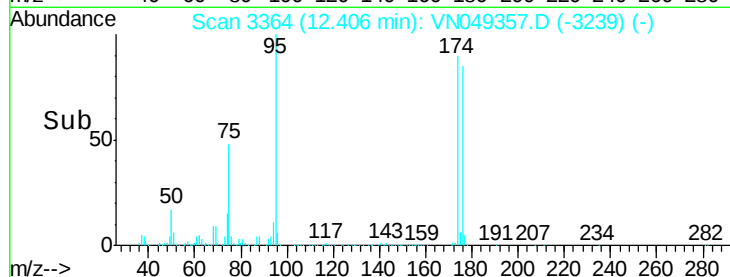
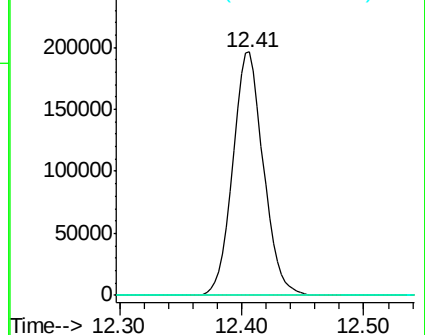
89 0.0 36.5 54.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#90

Hexachloroethane

Concen: Below Cal

RT: 14.01 min Scan# 3863

Delta R.T. 0.14 min

Lab File: VN049357.D

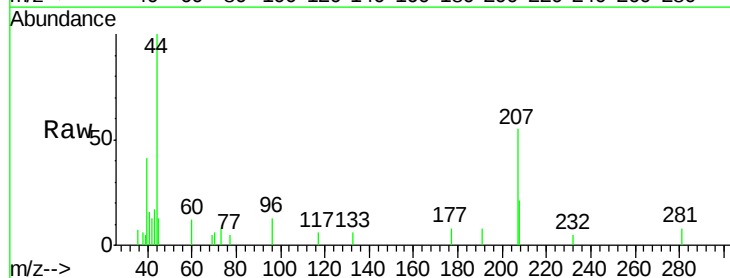
Acq: 18 Jun 2018 21:14

Tgt Ion: 117 Resp: 70

Ion Ratio Lower Upper

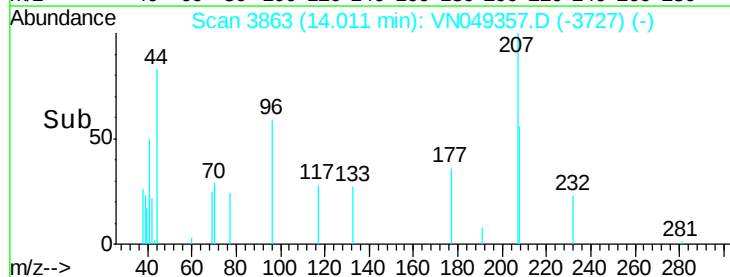
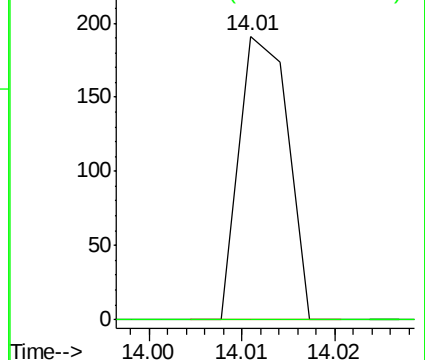
117 100

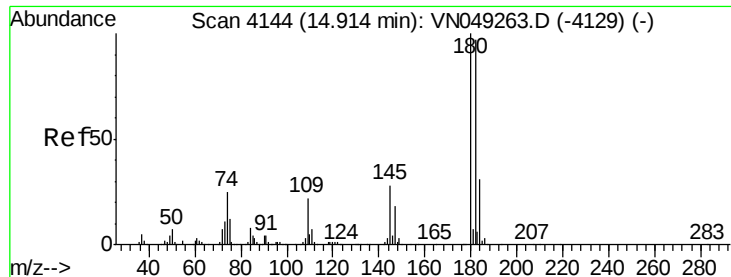
201 0.0 40.1 120.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

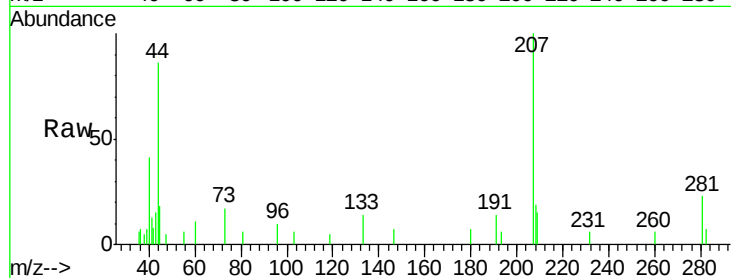




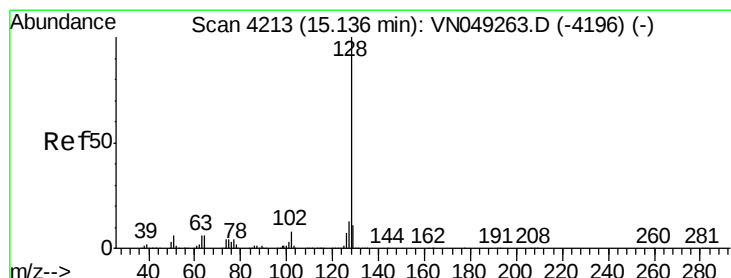
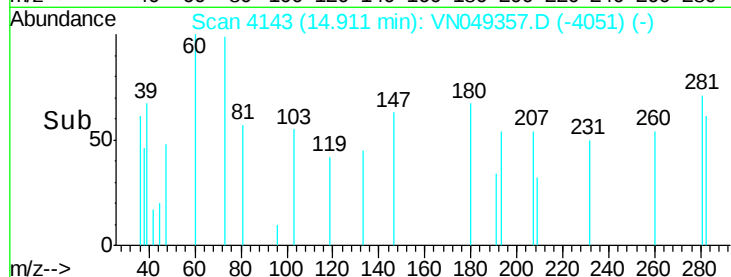
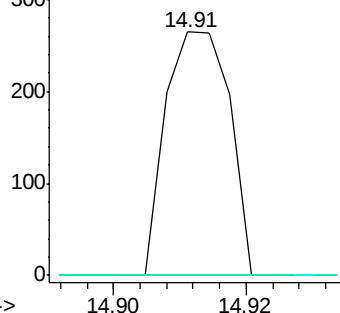
#93
 1,2,4-Trichlorobenzene
 Concen: 4.76 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049357.D
 Acq: 18 Jun 2018 21:14

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 178
 Ion Ratio Lower Upper
 180 100
 182 0.0 46.9 140.8#
 145 0.0 14.7 44.1#

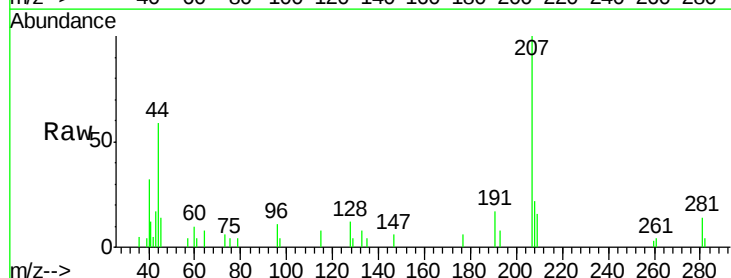


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

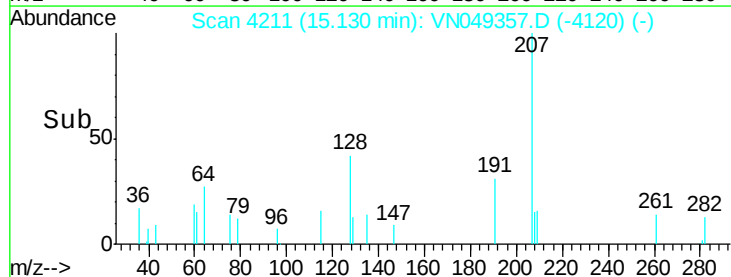
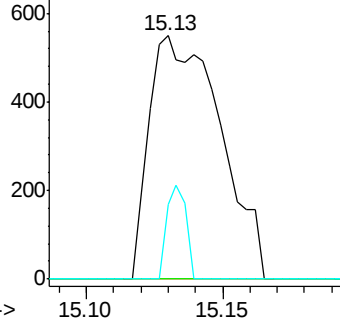


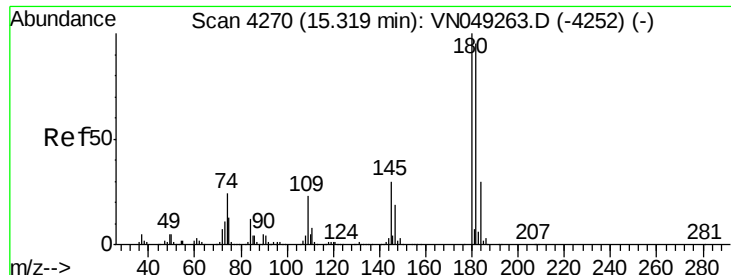
#95
 Naphthalene
 Concen: 2.15 ug/l
 RT: 15.13 min Scan# 4211
 Delta R.T. -0.01 min
 Lab File: VN049357.D
 Acq: 18 Jun 2018 21:14

Tgt Ion:128 Resp: 996
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 16.0#
 129 10.6 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

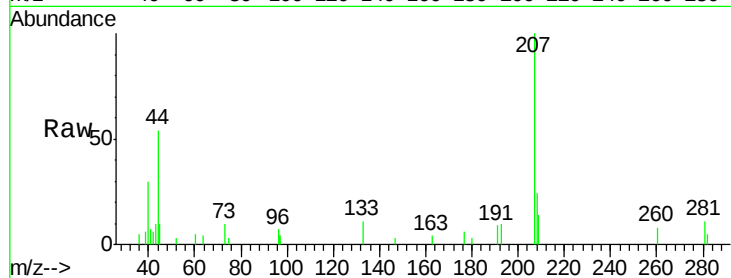




#96
 1,2,3-Trichlorobenzene
 Concen: 3.47 ug/l
 RT: 15.32 min Scan# 4271
 Delta R.T. 0.00 min
 Lab File: VN049357.D
 Acq: 18 Jun 2018 21:14

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	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

