

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061818\
 Data File : VN049346.D
 Acq On : 18 Jun 2018 16:30
 Operator : MD\SY
 Sample : PB110313ZHE#11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 19 01:32:56 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	1335864	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2074033	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1682849	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	469822	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	874372	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	
35) Dibromofluoromethane	7.59	113	759327	45.25	ug/l	0.00
Spiked Amount			Recovery	=	90.50%	
50) Toluene-d8	10.09	98	2828316	44.27	ug/l	0.00
Spiked Amount			Recovery	=	88.54%	
62) 4-Bromofluorobenzene	12.41	95	717057	33.94	ug/l	0.00
Spiked Amount			Recovery	=	67.88%	

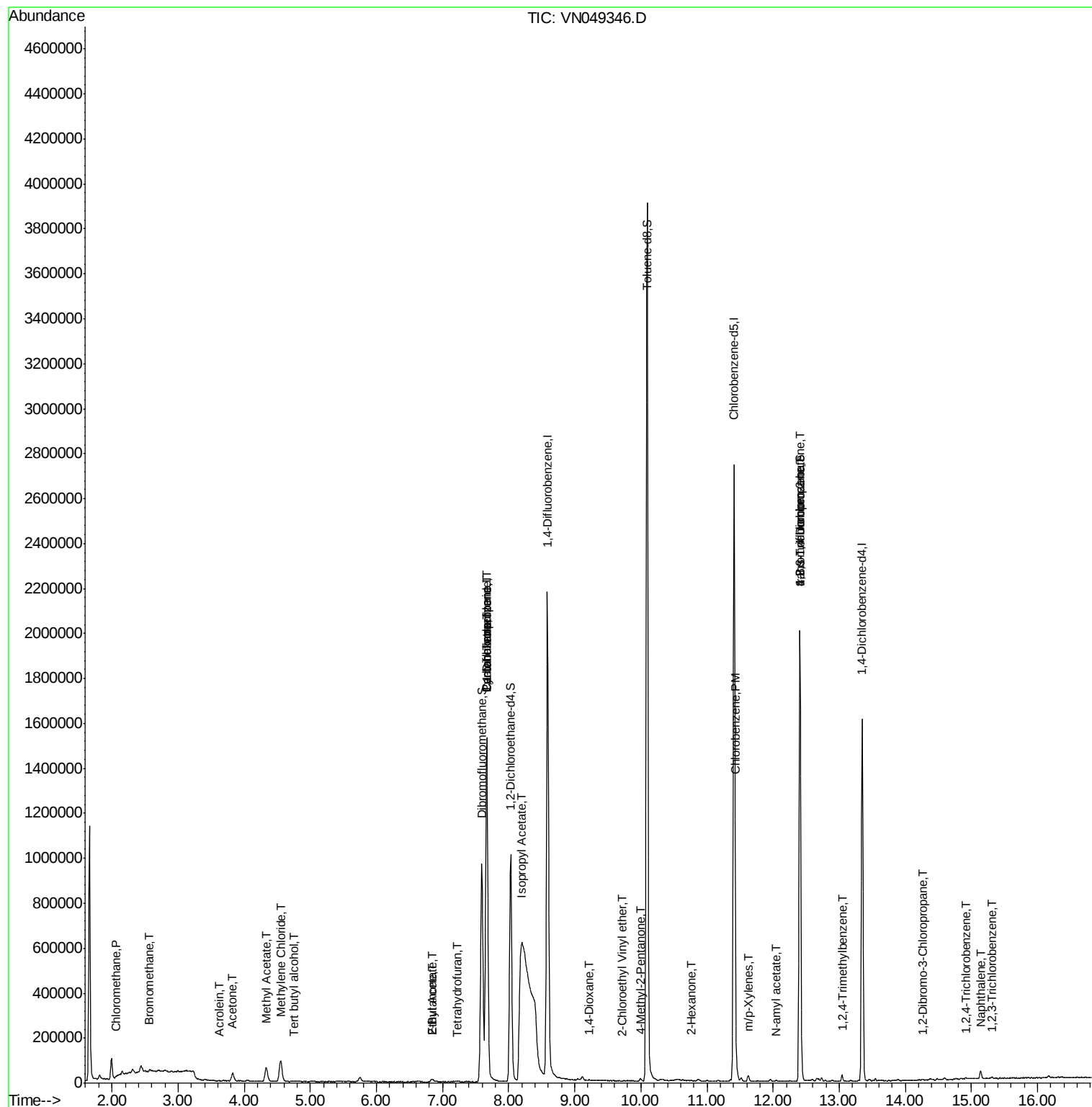
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	4666	0.24	ug/l	94
5) Bromomethane	2.58	94	4081	0.37	ug/l #	57
11) Tert butyl alcohol	4.76	59	607	0.58	ug/l #	70
13) Acrolein	3.62	56	628	0.58	ug/l #	65
16) Acetone	3.82	43	60159	13.98	ug/l #	89
18) Methyl Acetate	4.33	43	122007	9.30	ug/l	96
20) Methylene Chloride	4.55	84	69993	3.90	ug/l	87
25) 2-Butanone	6.86	43	8688	1.50	ug/l	93
29) Tetrahydrofuran	7.23	42	1652	0.44	ug/l #	90
31) Cyclohexane	7.67	56	25683	0.81	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	92541	3.89	ug/l #	50
37) Ethyl Acetate	6.86	43	8688	0.67	ug/l #	70
38) Carbon Tetrachloride	7.67	117	118826	4.83	ug/l #	17
43) Isopropyl Acetate	8.20	43	2185314	88.51	ug/l #	64
49) 1,4-Dioxane	9.21	88	306	1.91	ug/l #	3
51) 4-Methyl-2-Pentanone	9.99	43	6514	0.50	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.71	63	64	14.34	ug/l #	51
59) 2-Hexanone	10.77	43	2595	0.31	ug/l #	54
65) Chlorobenzene	11.44	112	26431	0.61	ug/l	95
68) m/p-Xylenes	11.63	106	7914	0.29	ug/l	93
74) N-amyl acetate	12.05	43	3442	0.34	ug/l #	59
75) 1,1,2,2-Tetrachloroethane	12.50	83	209	Below	Cal #	42
76) 1,2,3-Trichloropropane	12.41	75	351303	43.82	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	351303	138.51	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.04	105	15510	0.48	ug/l	97
90) Hexachloroethane	13.87	117	152	Below	Cal #	9
92) 1,2-Dibromo-3-Chloropropan	14.26	75	441	0.31	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.91	180	1934	4.96	ug/l #	83
94) Hexachlorobutadiene	15.02	225	868	Below	Cal	81
95) Naphthalene	15.14	128	30955	4.44	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	1888	3.68	ug/l #	86

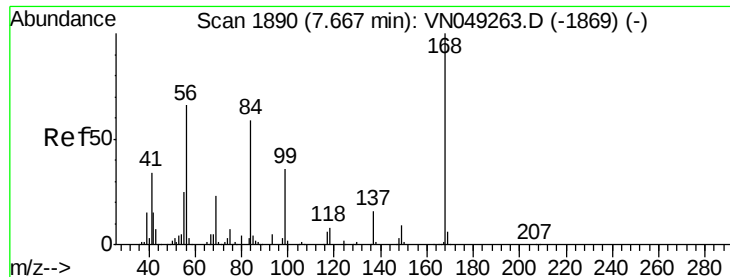
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1890

Delta R.T. 0.00 min

Lab File: VN049346.D

Acq: 18 Jun 2018 16:30

Instrument :

MSVOA_N

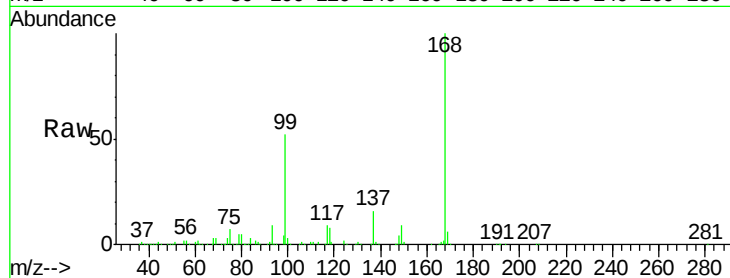
ClientSampleId :

Tot Ion:168 Resp: 1335864

Ion Ratio Lower Upper

168 100

99 52.1 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): VN049346.D (-1797) (-)

Ion 98.90 (98.60 to 99.60): VN049346.D (-1797) (-)

7.67

600000

500000

400000

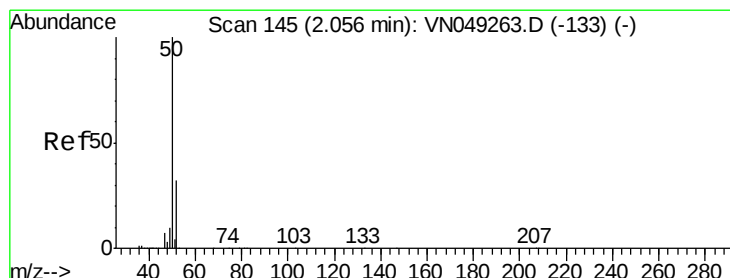
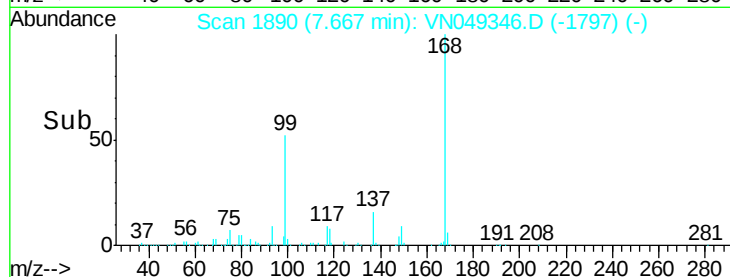
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#3

Chloromethane

Concen: 0.24 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049346.D

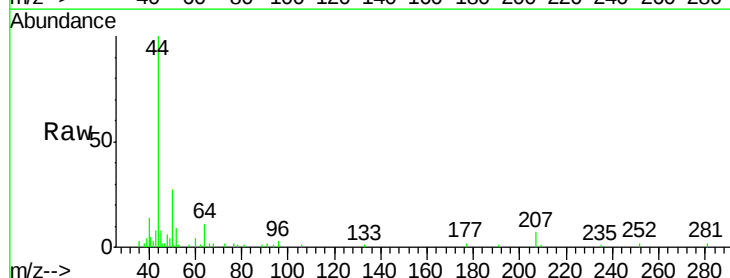
Acq: 18 Jun 2018 16:30

Tgt Ion: 50 Resp: 4666

Ion Ratio Lower Upper

50 100

52 35.0 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VN049346.D (-52) (-)

Ion 51.90 (51.60 to 52.60): VN049346.D (-52) (-)

2.06

4000

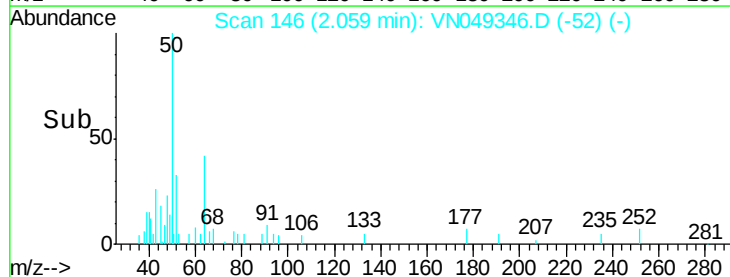
3000

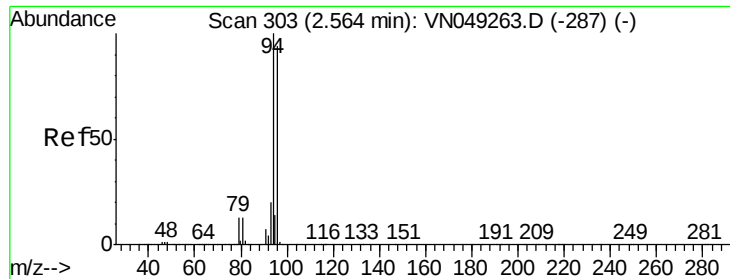
2000

1000

0

Time--> 2.00 2.05 2.10





#5

Bromomethane

Concen: 0.37 ug/l

RT: 2.58 min Scan# 307

Delta R.T. 0.01 min

Lab File: VN049346.D

Acq: 18 Jun 2018 16:30

Instrument :

MSVOA_N

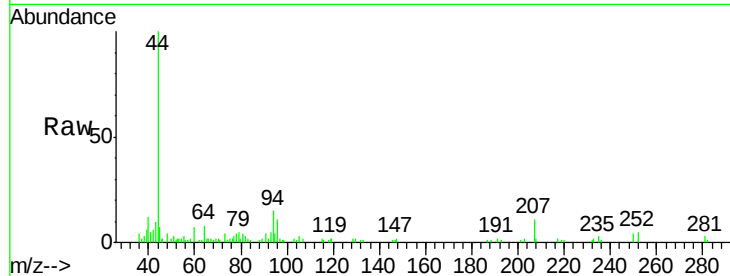
ClientSampleId :

Tot Ion: 94 Resp: 4081

Ion Ratio Lower Upper

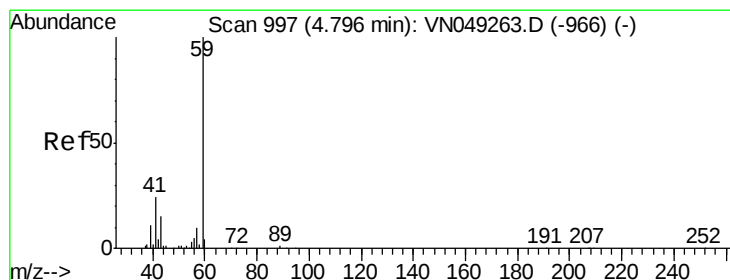
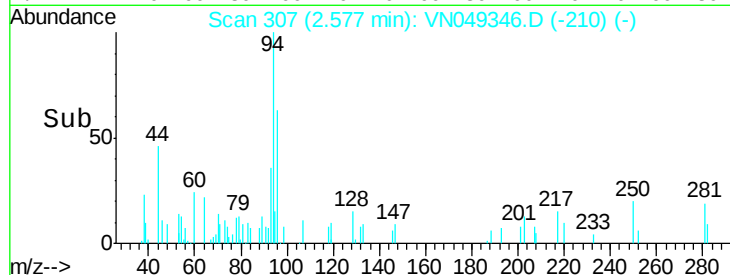
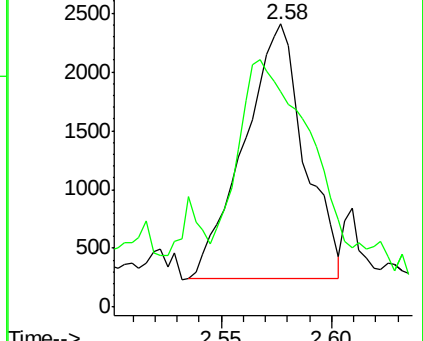
94 100

96 50.6 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#11

Tert butyl alcohol

Concen: 0.58 ug/l

RT: 4.76 min Scan# 985

Delta R.T. -0.04 min

Lab File: VN049346.D

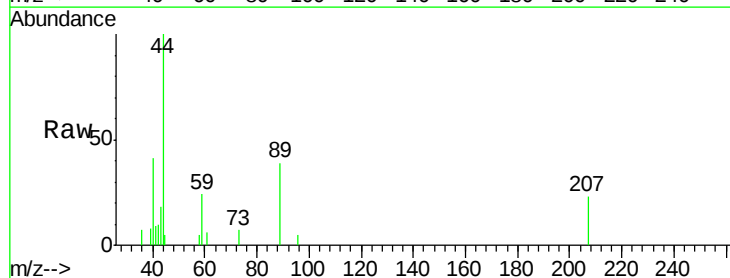
Acq: 18 Jun 2018 16:30

Tgt Ion: 59 Resp: 607

Ion Ratio Lower Upper

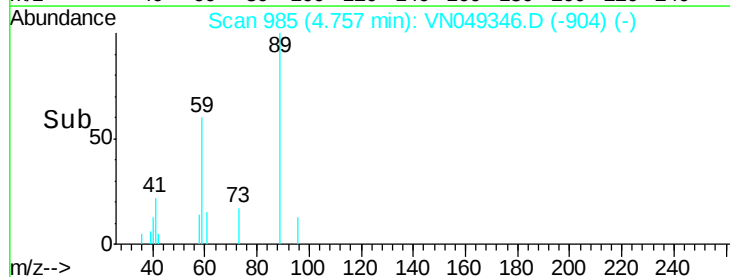
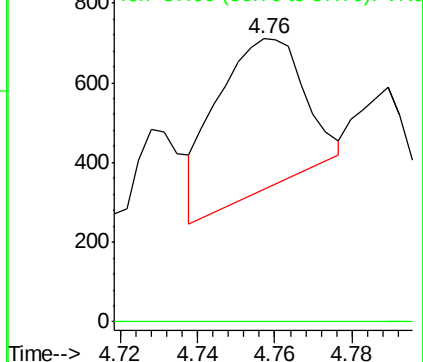
59 100

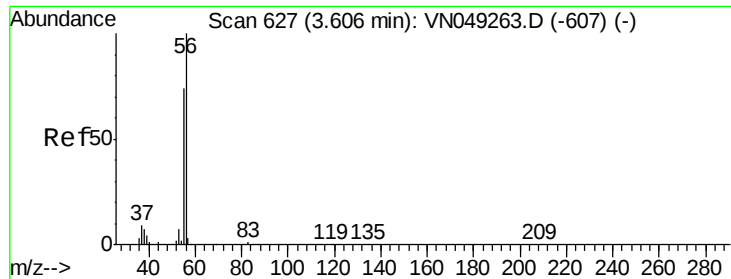
57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

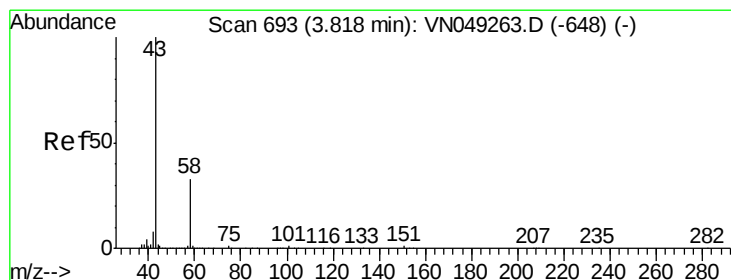
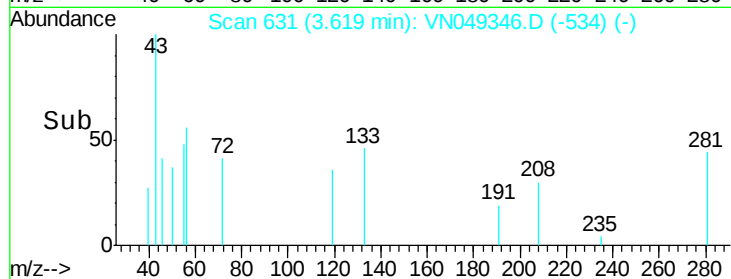
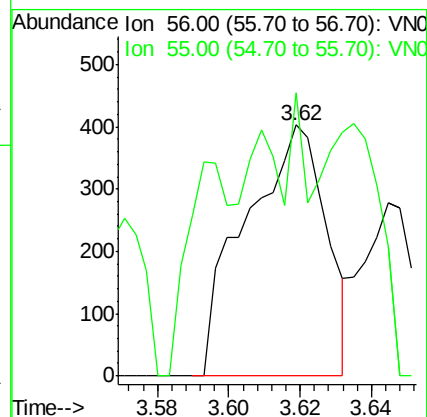
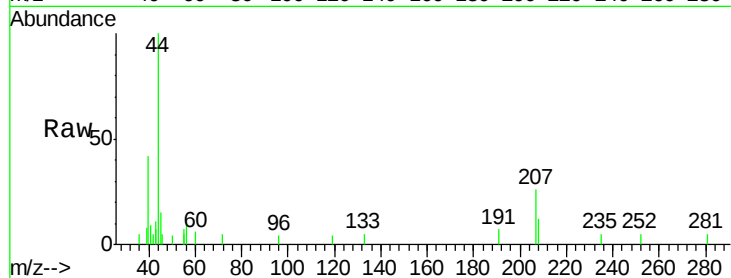




#13
Acrolein
Concen: 0.58 ug/l
RT: 3.62 min Scan# 631
Delta R.T. 0.01 min
Lab File: VN049346.D
Acq: 18 Jun 2018 16:30

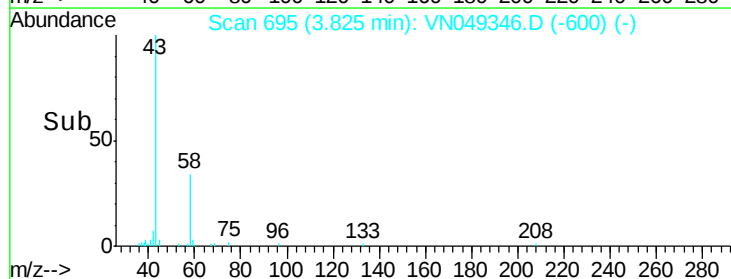
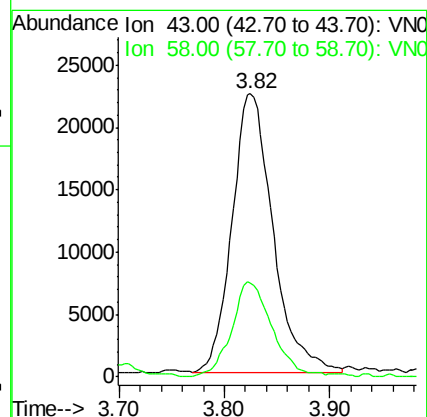
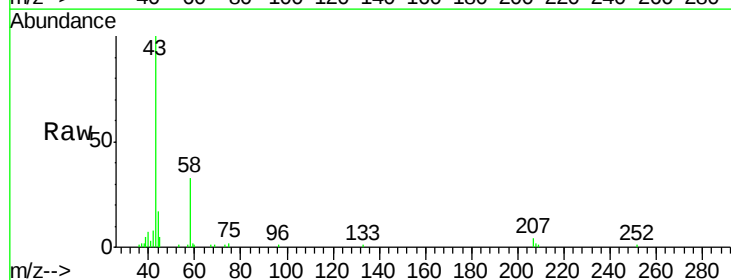
Instrument :
MSVOA_N
ClientSampled :

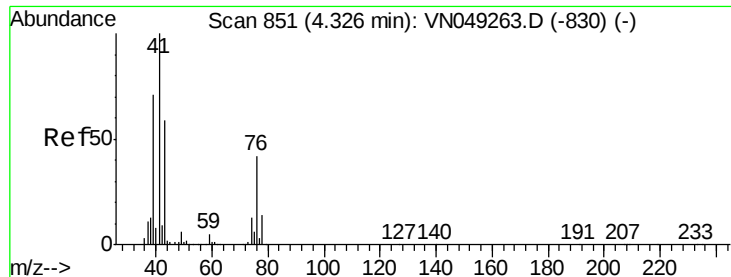
Tot Ion: 56 Resp: 628
Ion Ratio Lower Upper
56 100
55 42.0 57.1 85.7#



#16
Acetone
Concen: 13.98 ug/l
RT: 3.82 min Scan# 695
Delta R.T. 0.01 min
Lab File: VN049346.D
Acq: 18 Jun 2018 16:30

Tgt Ion: 43 Resp: 60159
Ion Ratio Lower Upper
43 100
58 33.9 22.4 33.6#

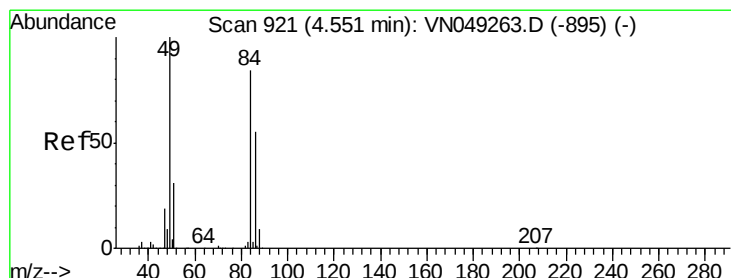
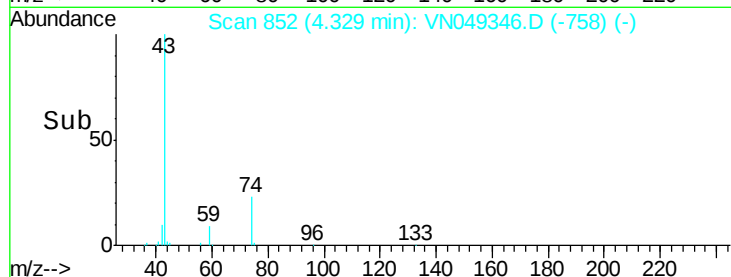
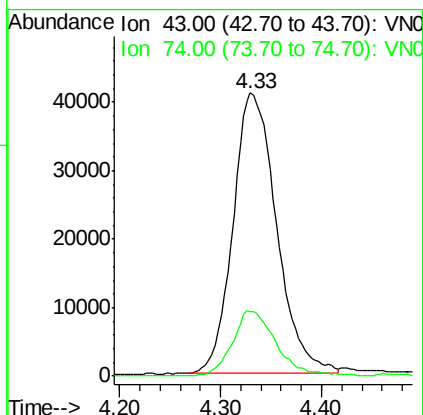
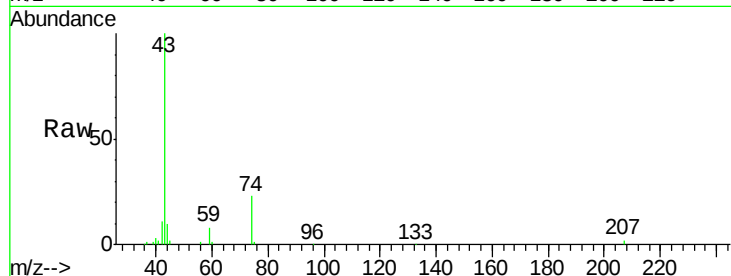




#18
Methvl Acetate
Concen: 9.30 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049346.D
Acq: 18 Jun 2018 16:30

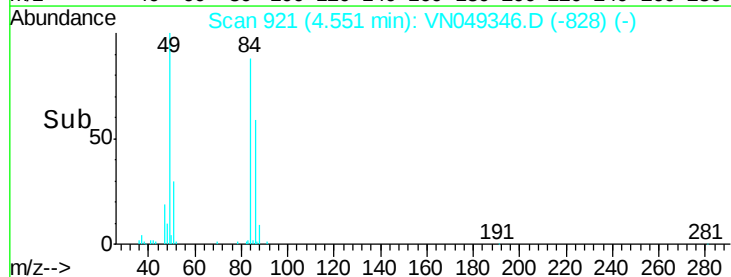
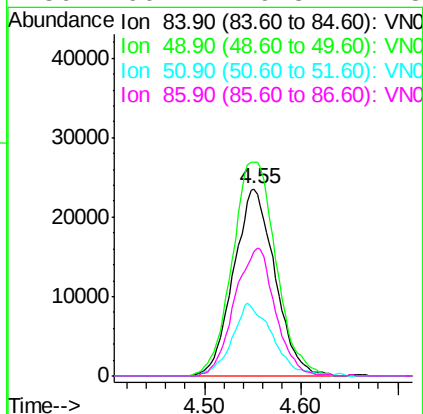
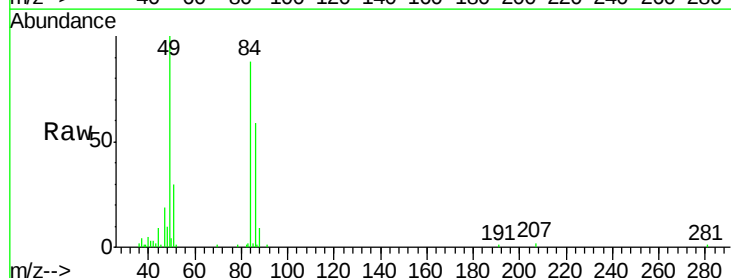
Instrument :
MSVOA_N
ClientSampleId :

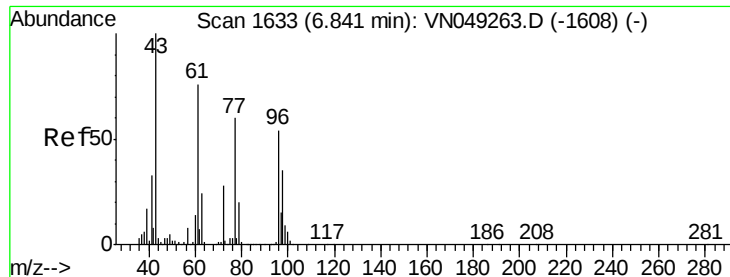
Tot Ion: 43 Resp: 122007
Ion Ratio Lower Upper
43 100
74 23.6 17.4 26.0



#20
Methylene Chloride
Concen: 3.90 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049346.D
Acq: 18 Jun 2018 16:30

Tgt Ion: 84 Resp: 69993
Ion Ratio Lower Upper
84 100
49 113.9 106.9 160.3
51 34.7 32.7 49.1
86 66.7 49.8 74.8

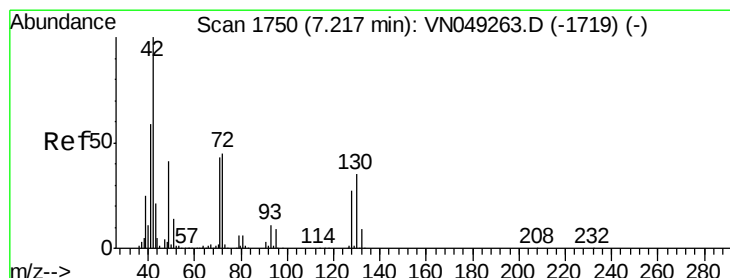
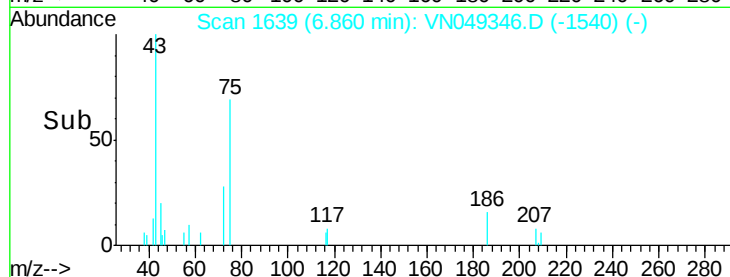
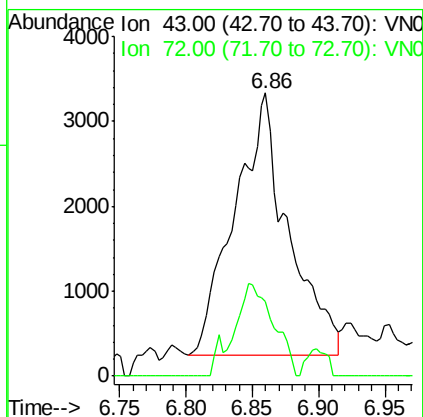
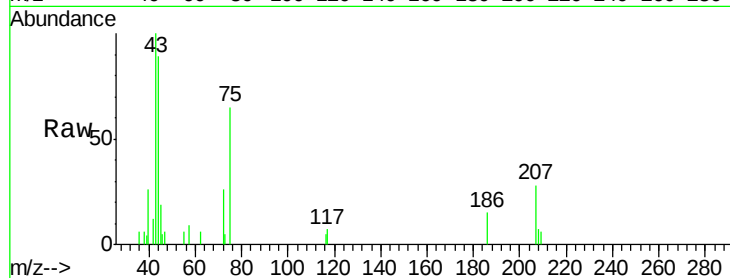




#25
2-Butanone
Concen: 1.50 ug/l
RT: 6.86 min Scan# 1639
Delta R.T. 0.02 min
Lab File: VN049346.D
Acq: 18 Jun 2018 16:30

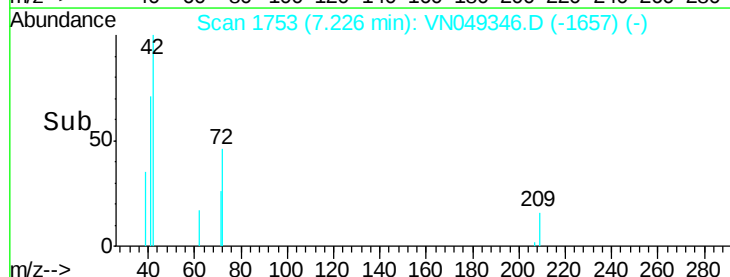
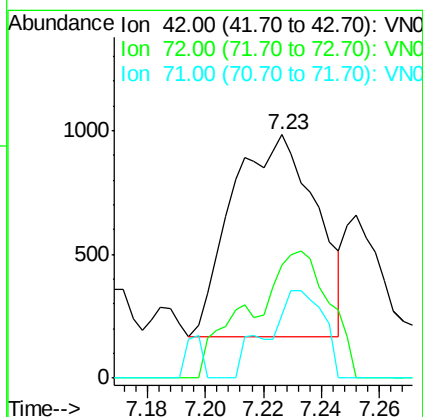
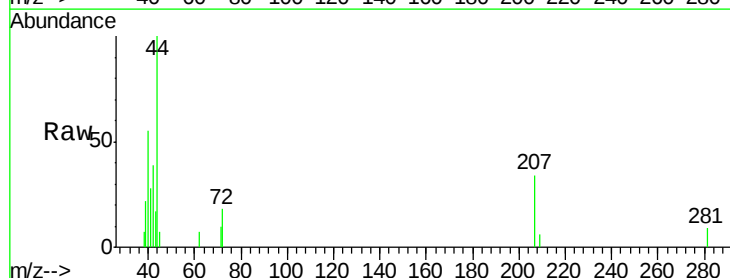
Instrument :
MSVOA_N
ClientSampled :

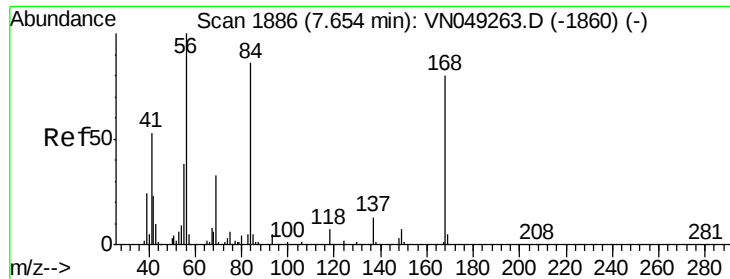
Tot Ion: 43 Resp: 8688
Ion Ratio Lower Upper
43 100
72 28.6 20.2 30.2



#29
Tetrahydrofuran
Concen: 0.44 ug/l
RT: 7.23 min Scan# 1753
Delta R.T. 0.01 min
Lab File: VN049346.D
Acq: 18 Jun 2018 16:30

Tgt Ion: 42 Resp: 1652
Ion Ratio Lower Upper
42 100
72 43.0 32.2 48.4
71 28.5 30.5 45.7#

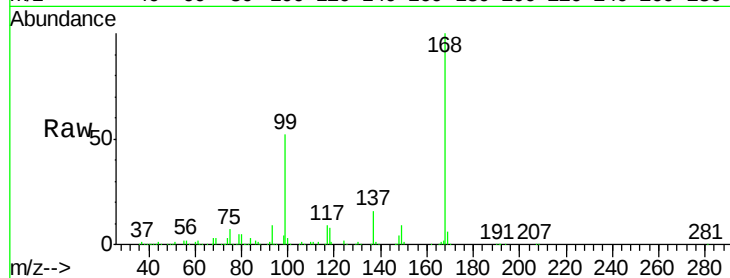




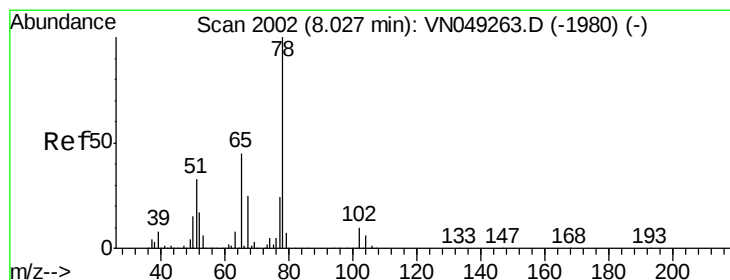
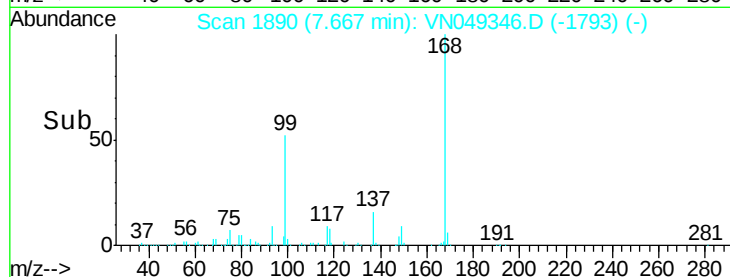
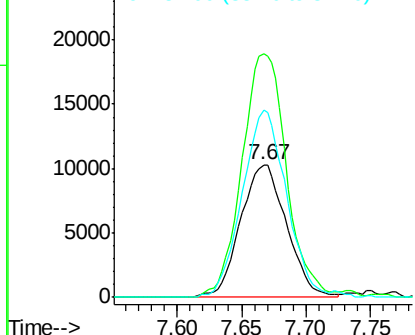
#31
Cyclohexane
Concen: 0.81 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049346.D
Acq: 18 Jun 2018 16:30

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 25683
Ion Ratio Lower Upper
56 100
69 184.1 25.0 37.4#
84 141.6 64.6 96.8#

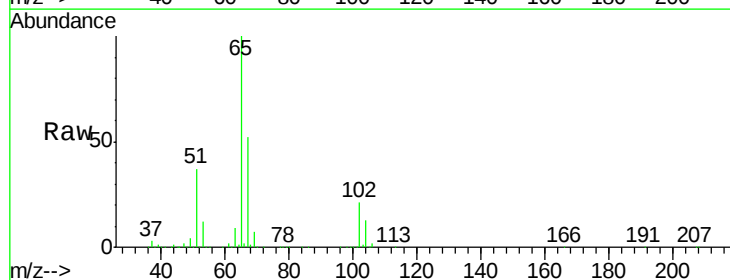


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

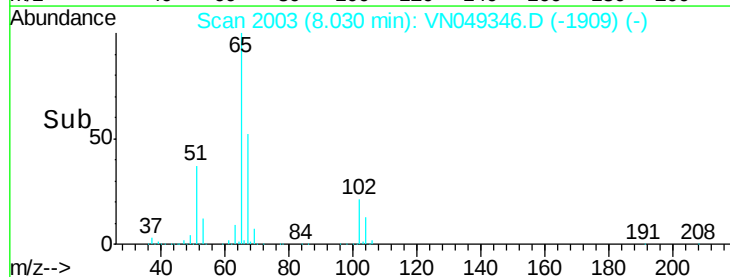
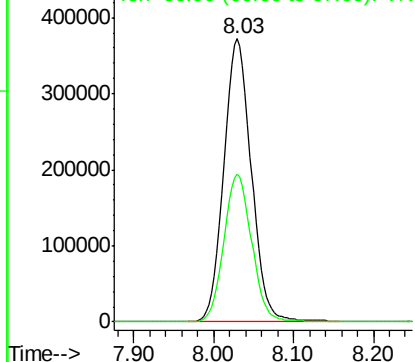


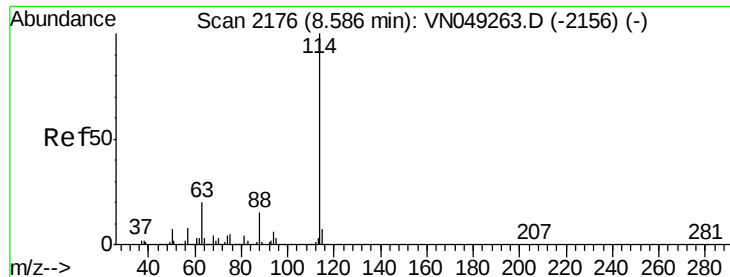
#33
1,2-Dichloroethane-d4
Concen: 49.35 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN049346.D
Acq: 18 Jun 2018 16:30

Tgt Ion: 65 Resp: 874372
Ion Ratio Lower Upper
65 100
67 52.9 0.0 103.8



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

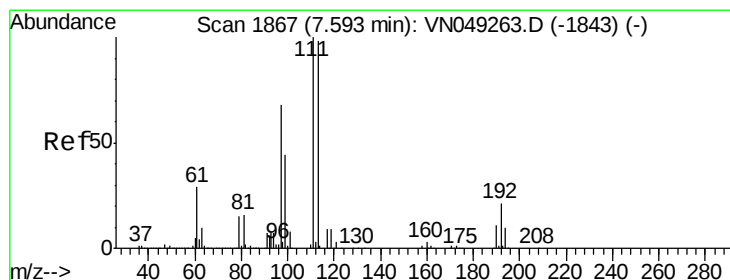
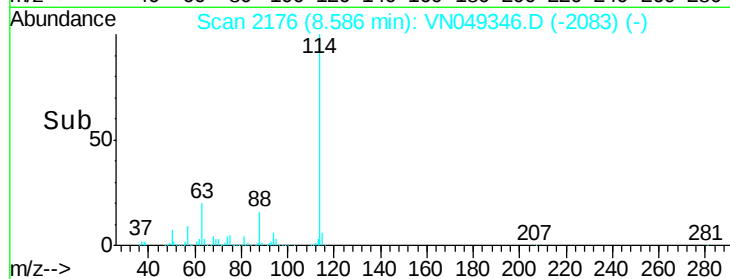
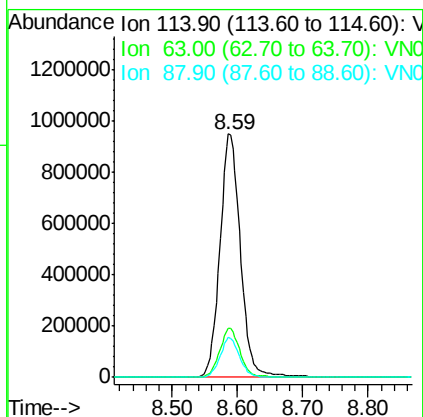
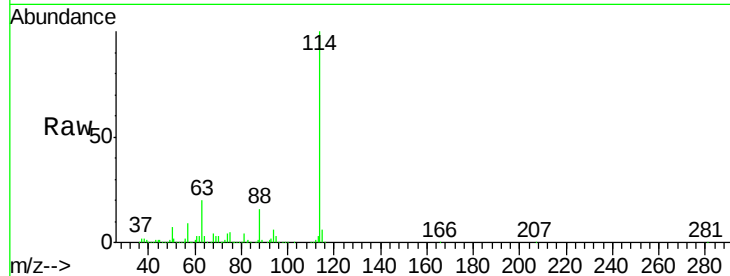




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.59 min Scan# 2176
Delta R.T. 0.00 min
Lab File: VN049346.D
Acq: 18 Jun 2018 16:30

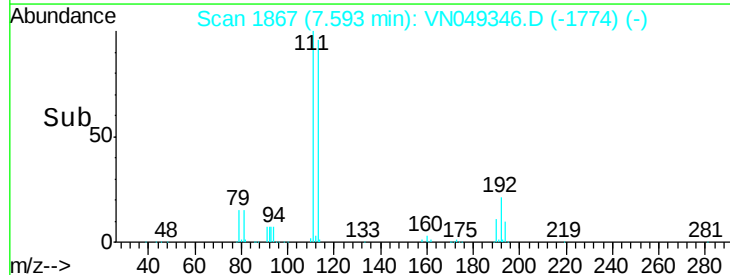
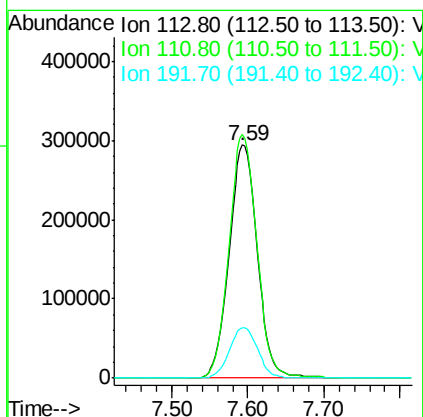
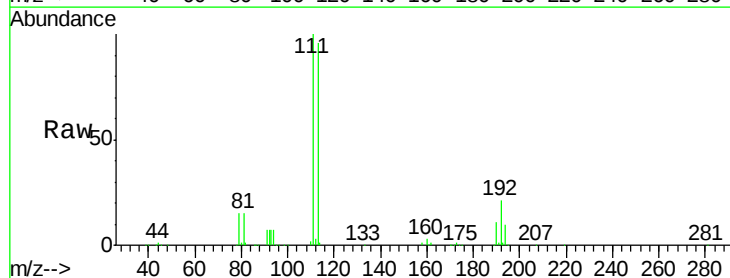
Instrument :
MSVOA_N
ClientSampleId :

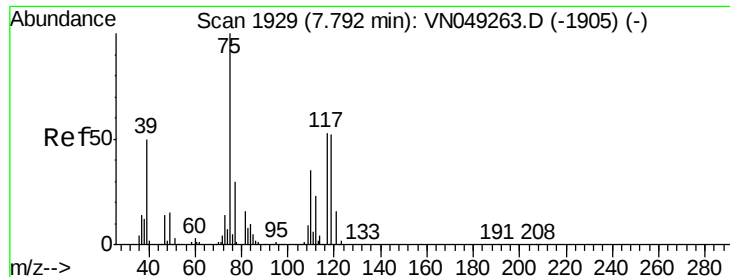
Tot Ion:114 Resp: 2074033
Ion Ratio Lower Upper
114 100
63 20.1 0.0 44.4
88 16.2 0.0 31.4



#35
Dibromofluoromethane
Concen: 45.25 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN049346.D
Acq: 18 Jun 2018 16:30

Tgt Ion:113 Resp: 759327
Ion Ratio Lower Upper
113 100
111 103.2 82.4 123.6
192 21.9 15.0 22.6





#36

1,1-Dichloropropene

Concen: 3.89 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN049346.D

Acq: 18 Jun 2018 16:30

Instrument :

MSVOA_N

ClientSampleId :

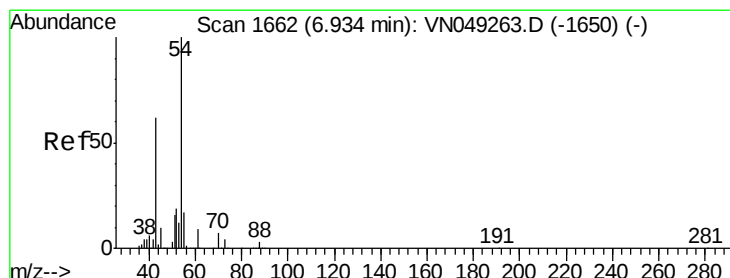
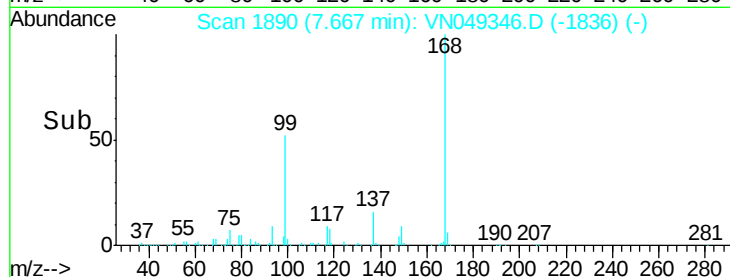
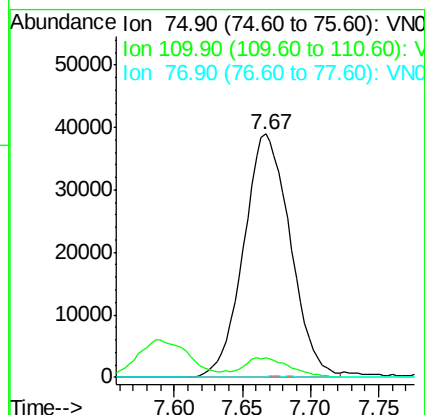
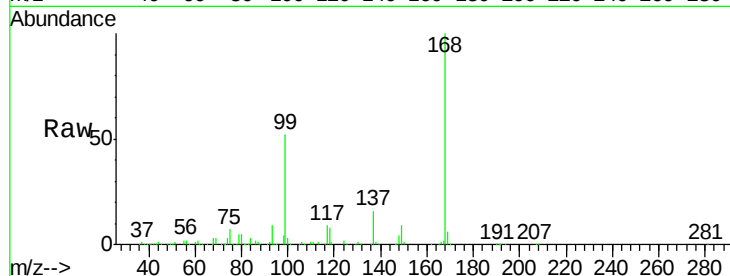
Tot Ion: 75 Resp: 92541

Ion Ratio Lower Upper

75 100

110 7.8 17.0 50.9#

77 0.1 24.4 36.6#



#37

Ethyl Acetate

Concen: 0.67 ug/l

RT: 6.86 min Scan# 1639

Delta R.T. -0.07 min

Lab File: VN049346.D

Acq: 18 Jun 2018 16:30

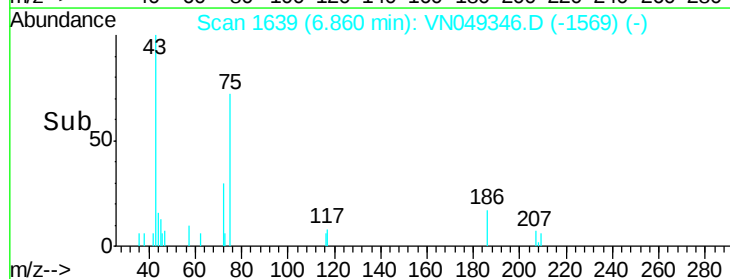
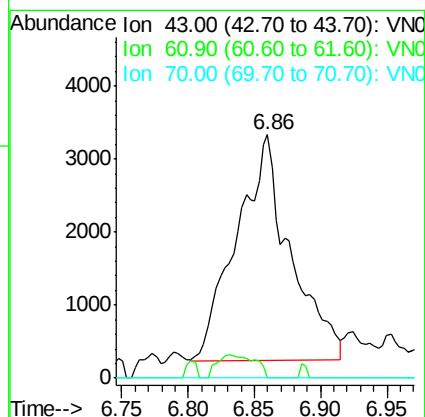
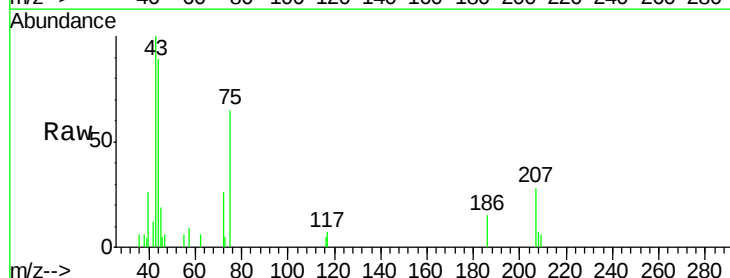
Tgt Ion: 43 Resp: 8688

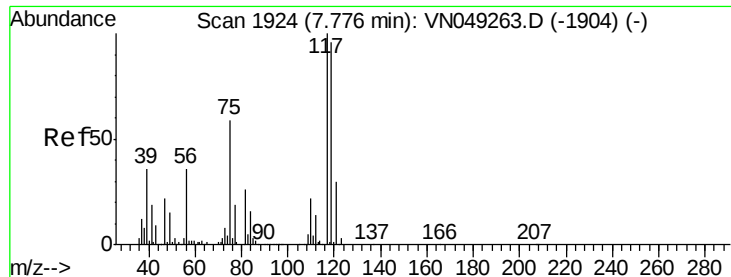
Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.4#

70 0.0 7.2 10.8#





#38

Carbon Tetrachloride

Concen: 4.83 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049346.D

Acq: 18 Jun 2018 16:30

Instrument :

MSVOA_N

ClientSampleId :

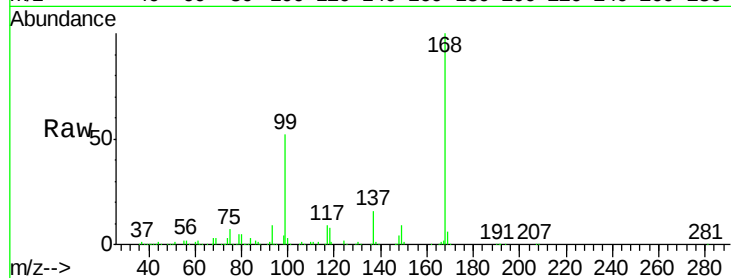
Tot Ion:117 Resp: 118826

Ion Ratio Lower Upper

117 100

119 5.6 75.6 113.4#

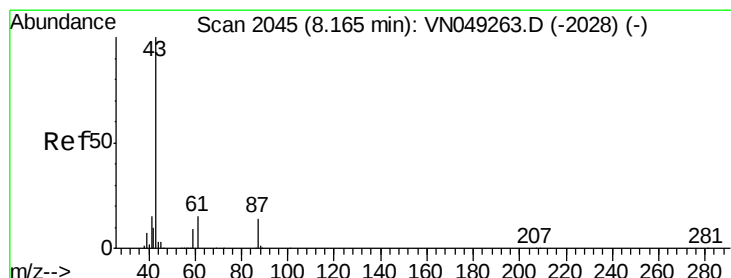
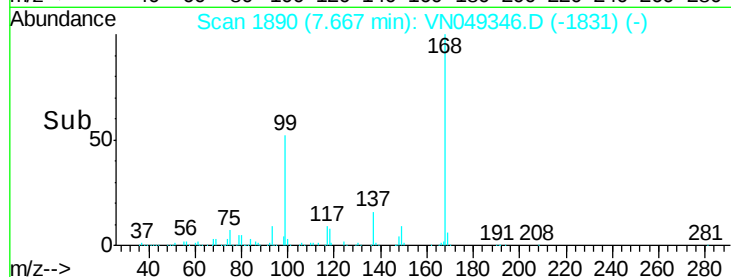
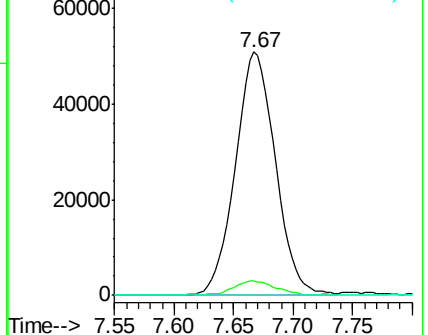
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 88.51 ug/l

RT: 8.20 min Scan# 2056

Delta R.T. 0.04 min

Lab File: VN049346.D

Acq: 18 Jun 2018 16:30

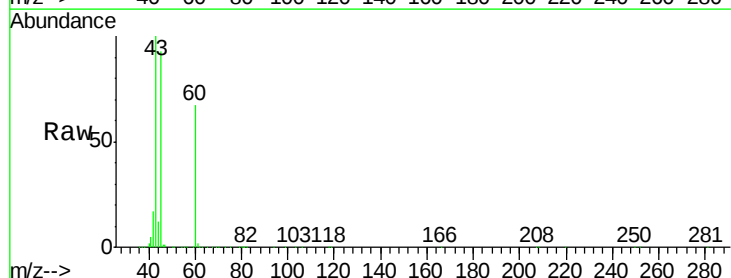
Tgt Ion: 43 Resp: 2185314

Ion Ratio Lower Upper

43 100

61 0.3 14.2 21.4#

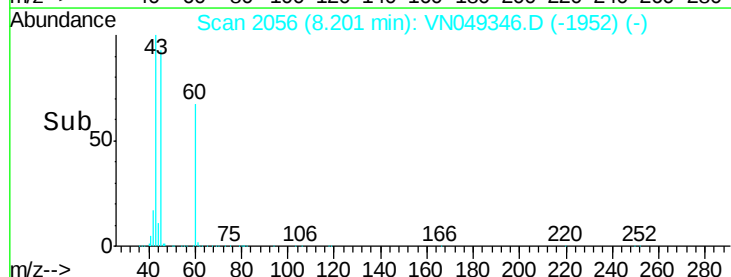
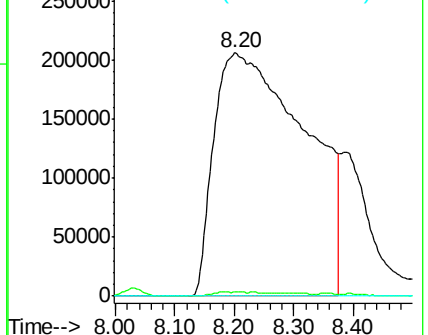
87 0.0 9.4 14.0#

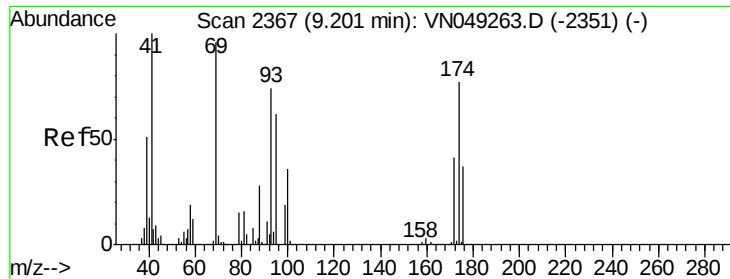


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#49

1,4-Dioxane

Concen: 1.91 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.01 min

Lab File: VN049346.D

Acq: 18 Jun 2018 16:30

Instrument :
MSVOA_N
ClientSampleId :

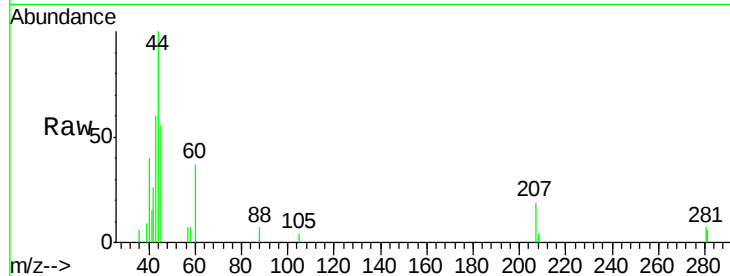
Tot Ion: 88 Resp: 306

Ion Ratio Lower Upper

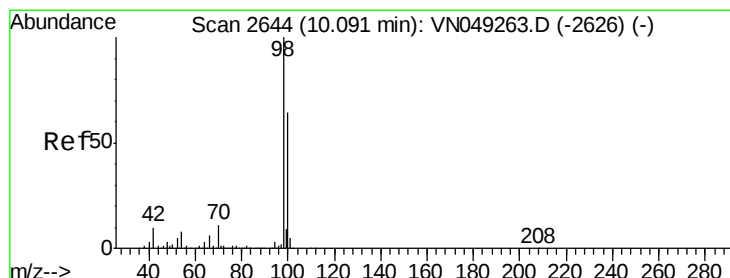
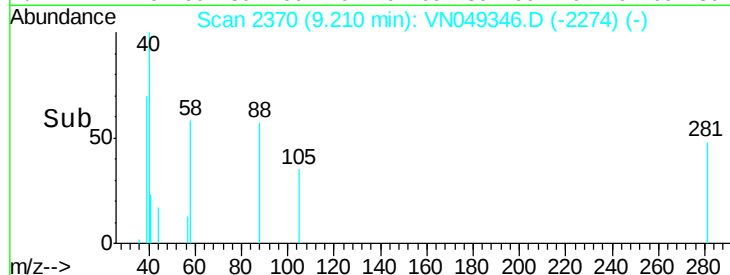
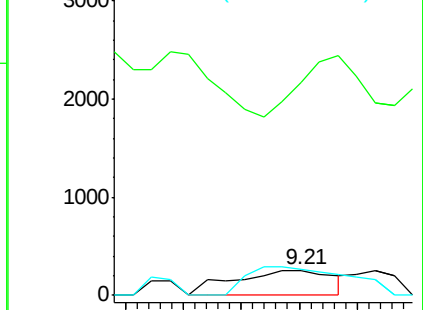
88 100

43 150.7 30.9 46.3#

58 116.3 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: 44.27 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049346.D

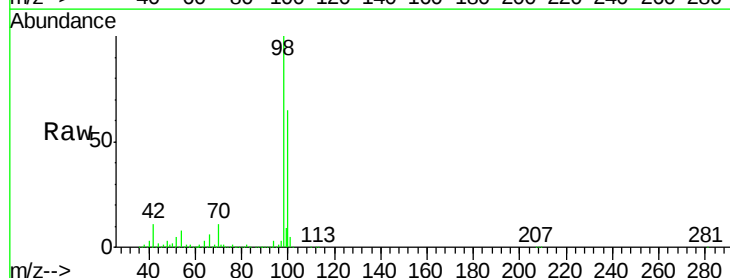
Acq: 18 Jun 2018 16:30

Tgt Ion: 98 Resp: 2828316

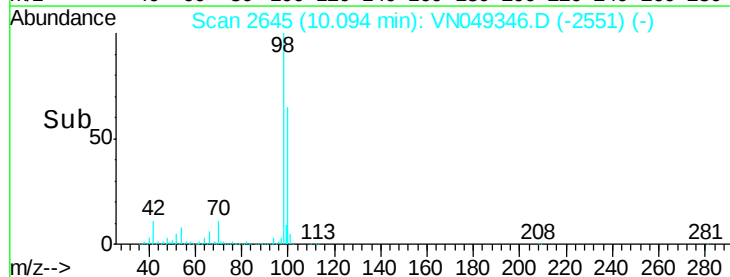
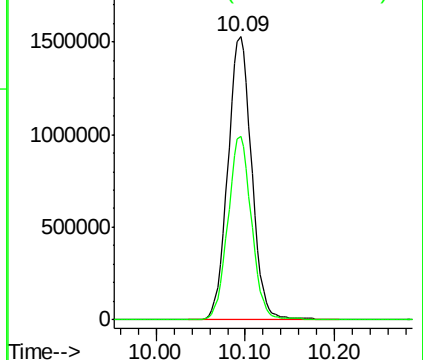
Ion Ratio Lower Upper

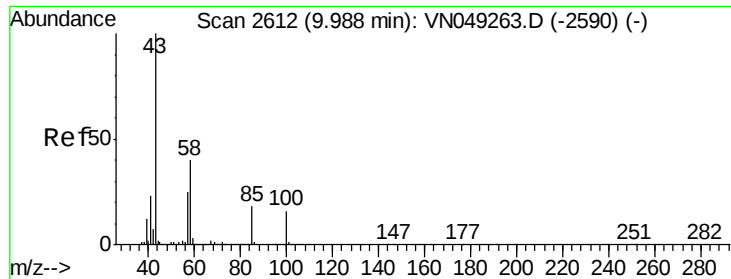
98 100

100 64.2 49.8 74.8



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

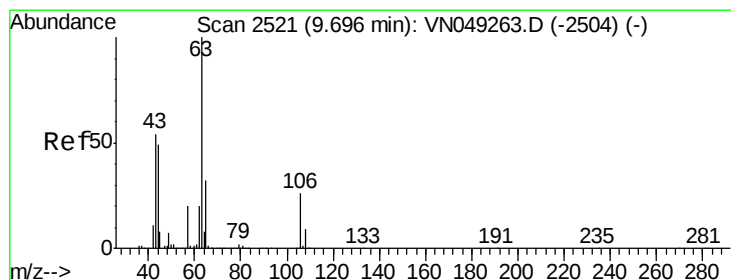
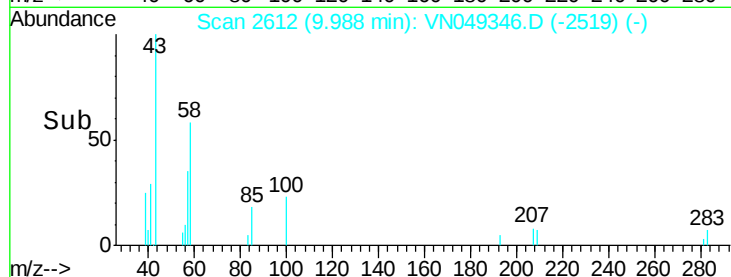
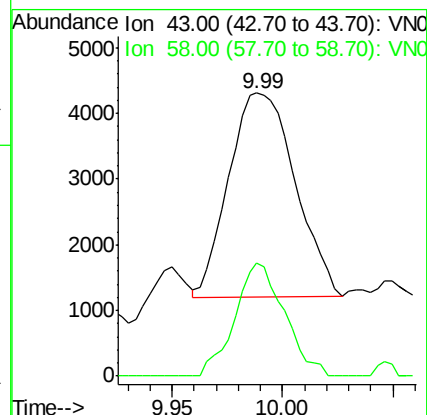
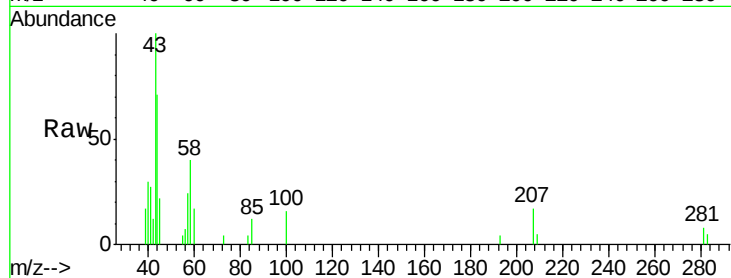




#51
 4-Methyl-2-Pentanone
 Concen: 0.50 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. 0.00 min
 Lab File: VN049346.D
 Acq: 18 Jun 2018 16:30

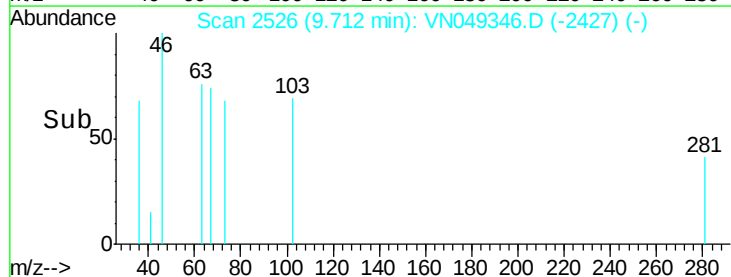
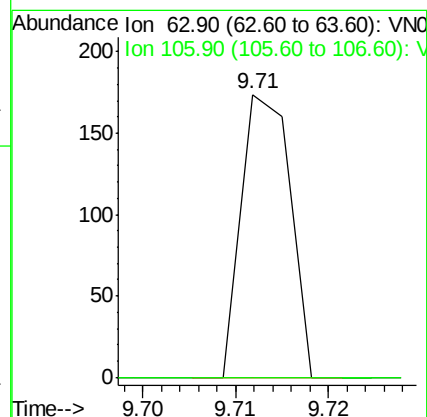
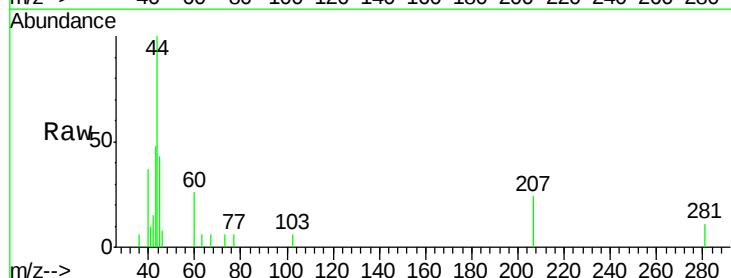
Instrument :
 MSVOA_N
 ClientSampled :

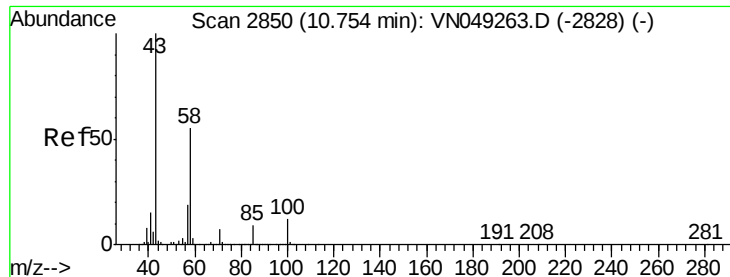
Tot Ion: 43 Resp: 6514
 Ion Ratio Lower Upper
 43 100
 58 41.2 29.0 43.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 14.34 ug/l
 RT: 9.71 min Scan# 2526
 Delta R.T. 0.02 min
 Lab File: VN049346.D
 Acq: 18 Jun 2018 16:30

Tgt Ion: 63 Resp: 64
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.4 29.2#





#59

2-Hexanone

Concen: 0.31 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN049346.D

Acq: 18 Jun 2018 16:30

Instrument :

MSVOA_N

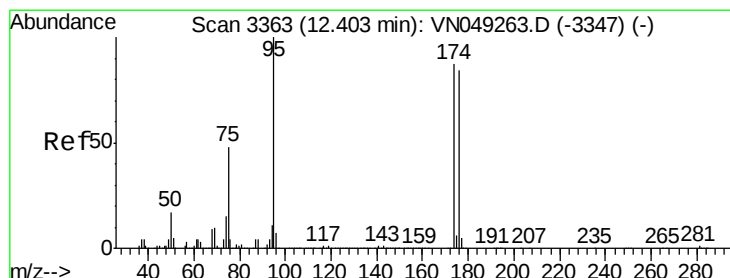
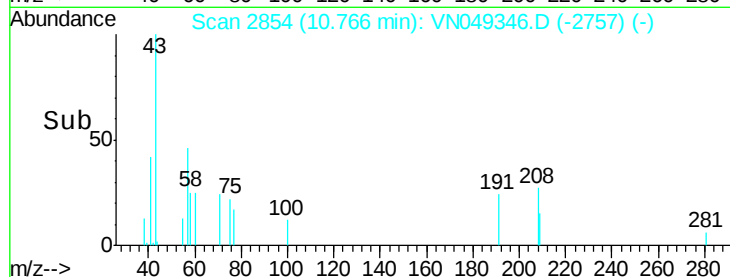
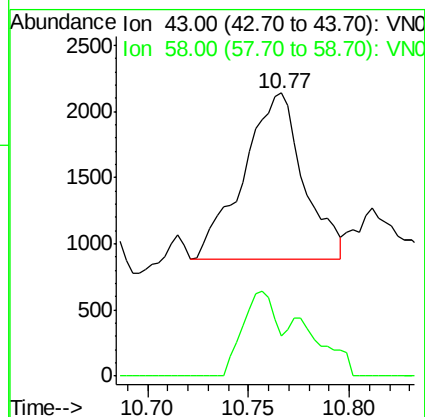
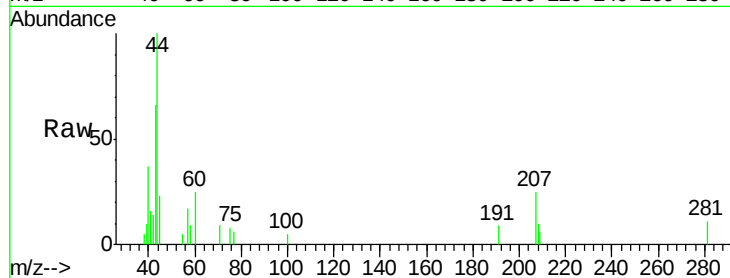
ClientSampled :

Tot Ion: 43 Resp: 2595

Ion Ratio Lower Upper

43 100

58 18.8 25.2 75.6#



#62

4-Bromofluorobenzene

Concen: 33.94 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN049346.D

Acq: 18 Jun 2018 16:30

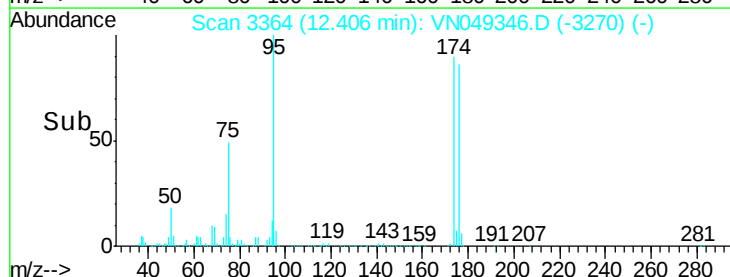
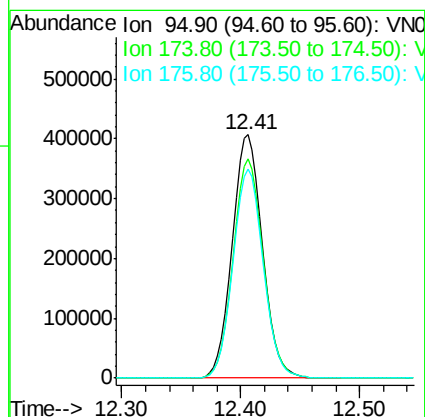
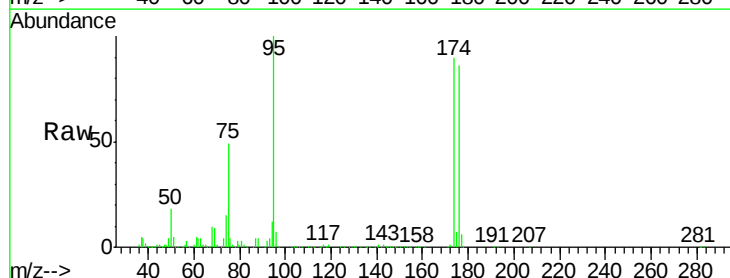
Tgt Ion: 95 Resp: 717057

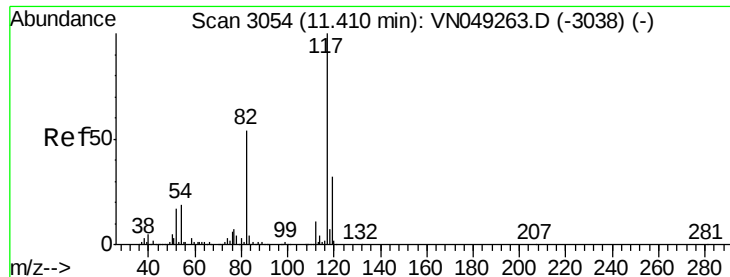
Ion Ratio Lower Upper

95 100

174 89.7 0.0 165.6

176 85.8 0.0 157.4

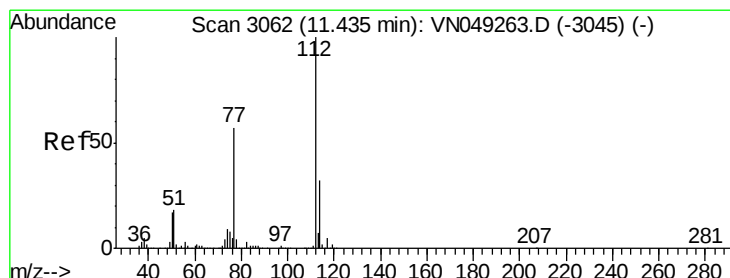
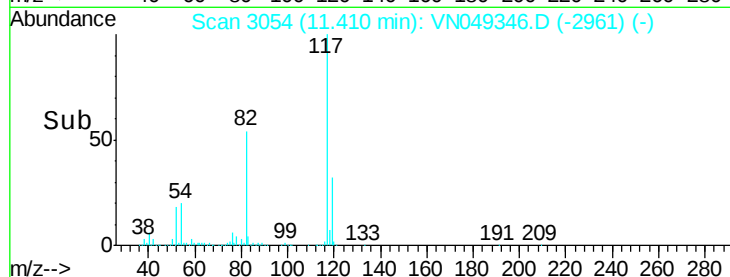
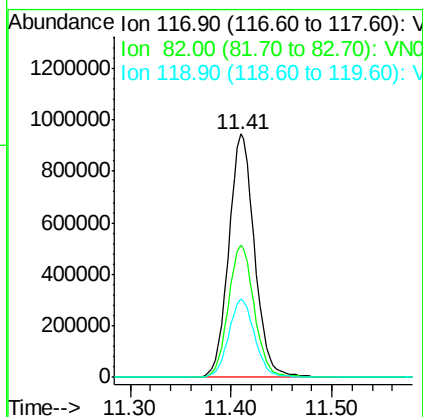
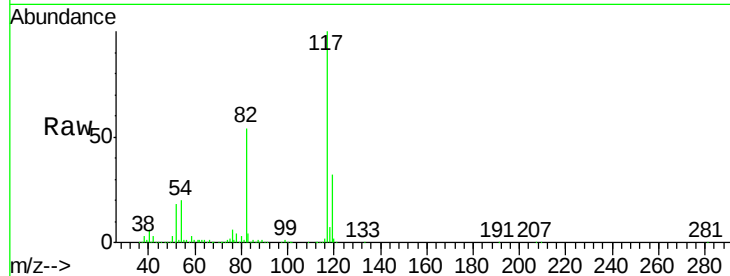




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049346.D
Acq: 18 Jun 2018 16:30

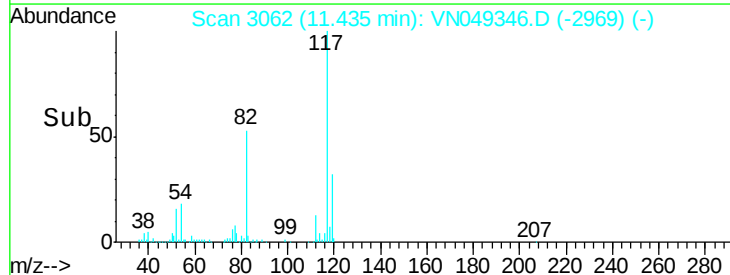
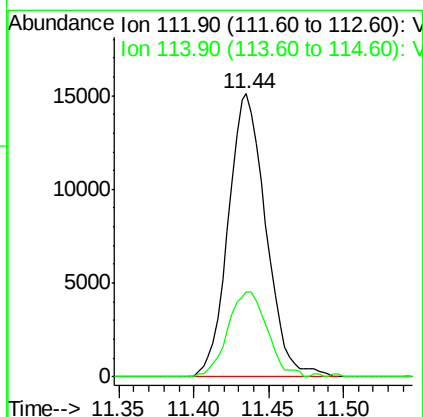
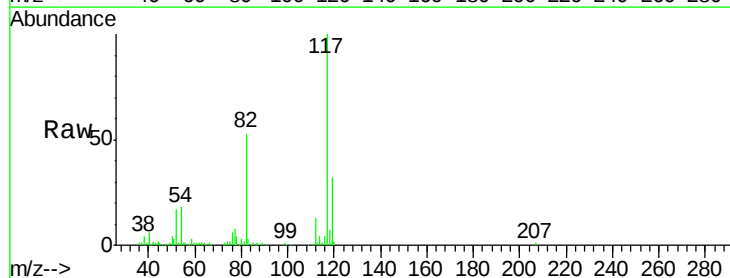
Instrument :
MSVOA_N
ClientSampleId :

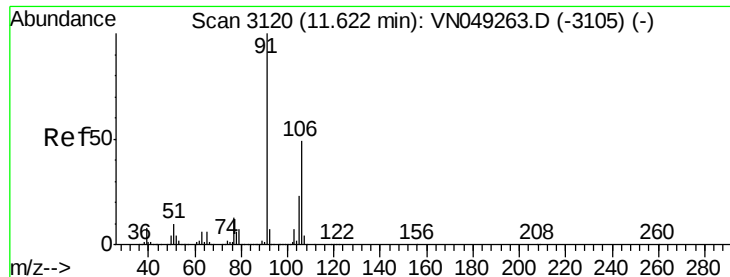
Tot Ion:117 Resp: 1682849
Ion Ratio Lower Upper
117 100
82 54.4 45.9 68.9
119 32.0 25.5 38.3



#65
Chlorobenzene
Concen: 0.61 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049346.D
Acq: 18 Jun 2018 16:30

Tgt Ion:112 Resp: 26431
Ion Ratio Lower Upper
112 100
114 30.1 26.2 39.4

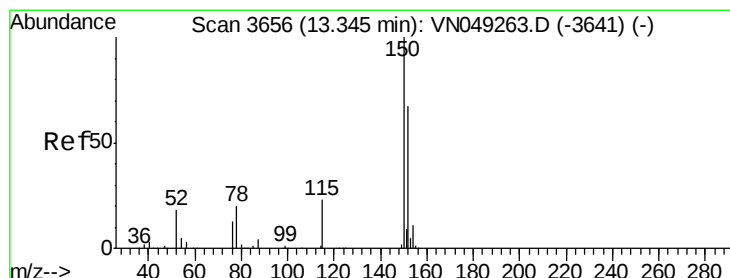
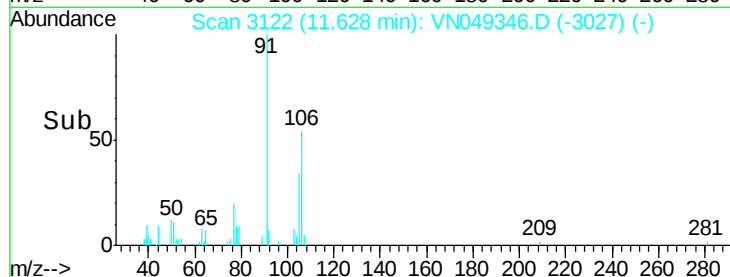
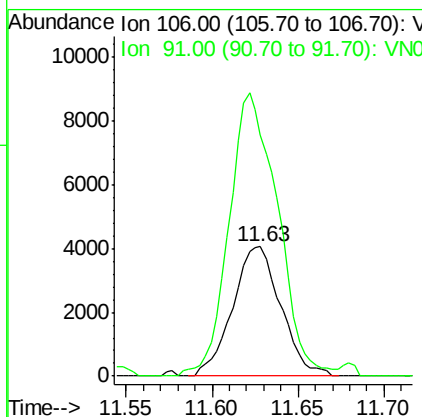
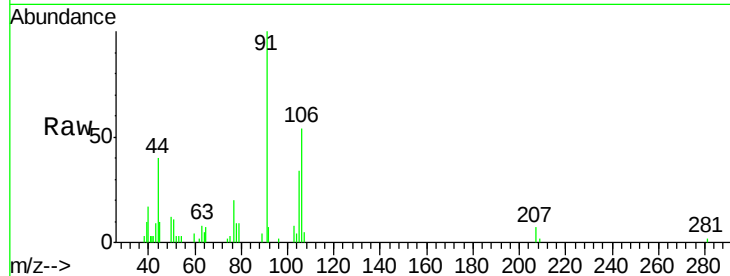




#68
m/p-Xvlenes
Concen: 0.29 ug/l
RT: 11.63 min Scan# 3122
Delta R.T. 0.01 min
Lab File: VN049346.D
Acq: 18 Jun 2018 16:30

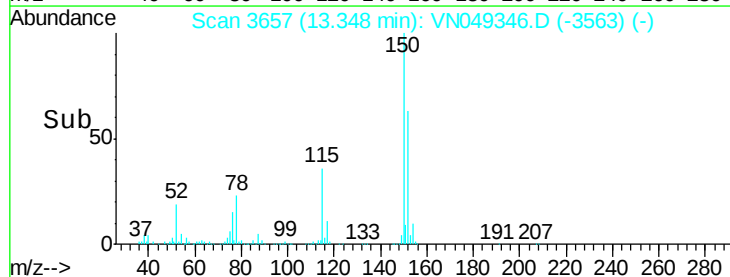
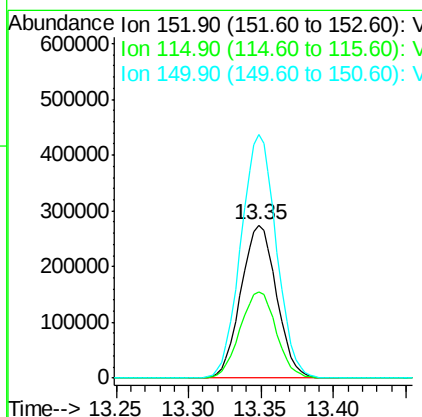
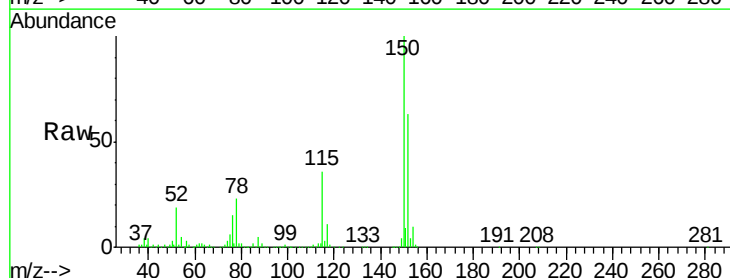
Instrument :
MSVOA_N
ClientSampled :

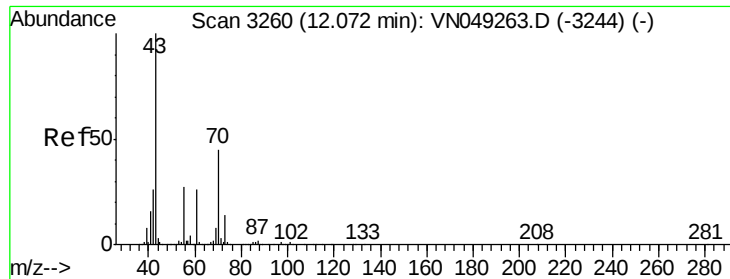
Tot Ion:106 Resp: 7914
Ion Ratio Lower Upper
106 100
91 220.2 167.3 250.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3657
Delta R.T. 0.00 min
Lab File: VN049346.D
Acq: 18 Jun 2018 16:30

Tgt Ion:152 Resp: 469822
Ion Ratio Lower Upper
152 100
115 57.2 28.7 86.1
150 158.1 0.0 351.0





#74

N-amvl acetate

Concen: 0.34 ug/l

RT: 12.05 min Scan# 3252

Delta R.T. -0.03 min

Lab File: VN049346.D

Acq: 18 Jun 2018 16:30

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 3442

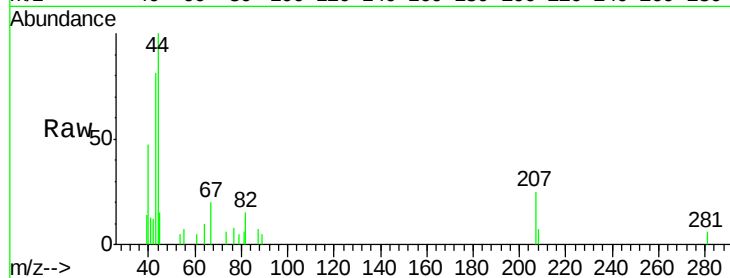
Ion Ratio Lower Upper

43 100

70 3.0 30.3 45.5#

55 18.1 19.4 29.2#

61 1.9 17.8 26.6#

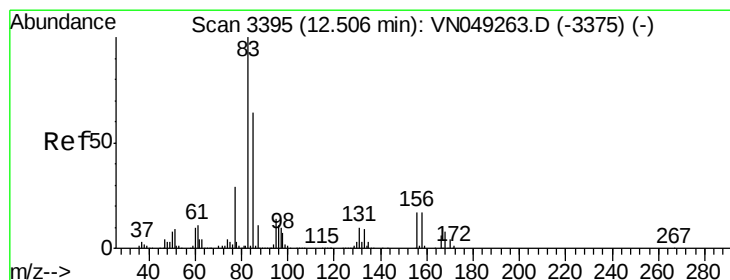
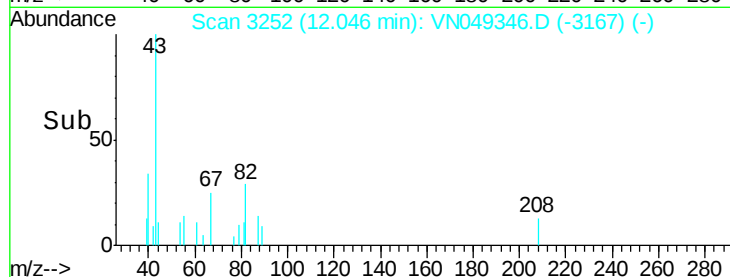
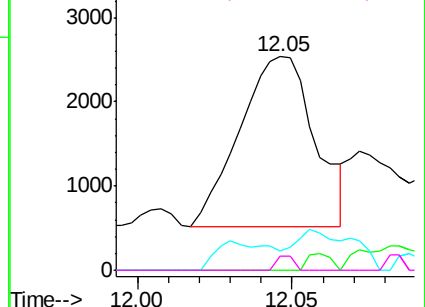


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3393

Delta R.T. -0.01 min

Lab File: VN049346.D

Acq: 18 Jun 2018 16:30

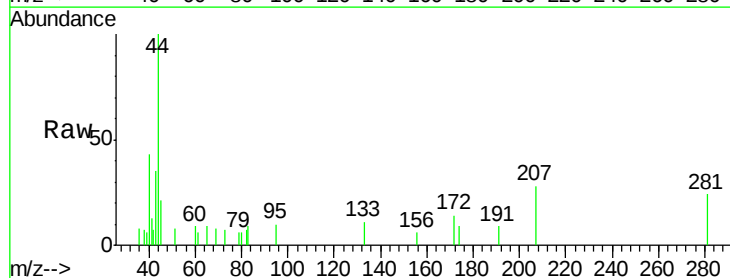
Tgt Ion: 83 Resp: 209

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

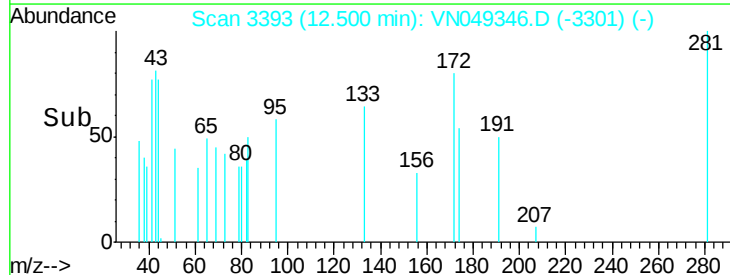
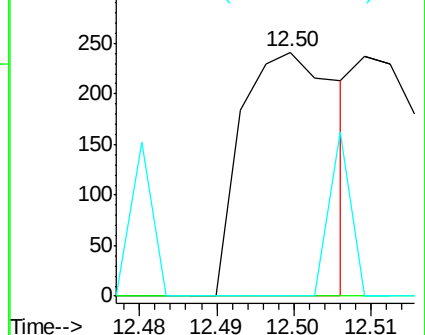
85 14.8 32.0 96.0#

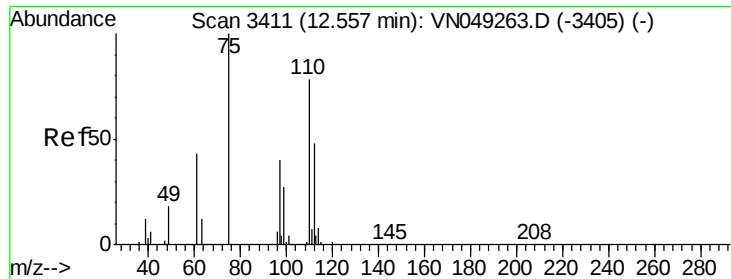


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 43.82 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. -0.15 min

Lab File: VN049346.D

Acq: 18 Jun 2018 16:30

Instrument :

MSVOA_N

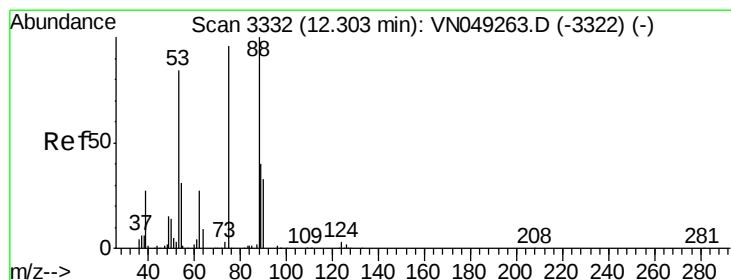
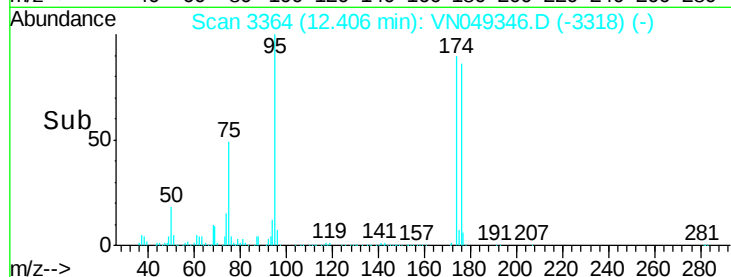
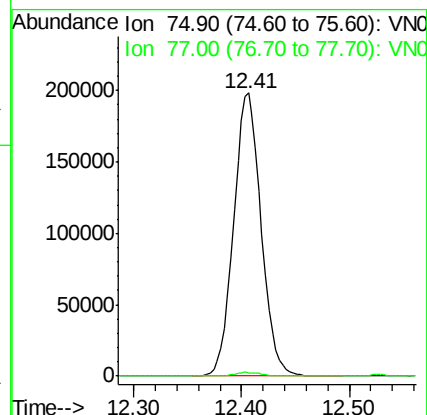
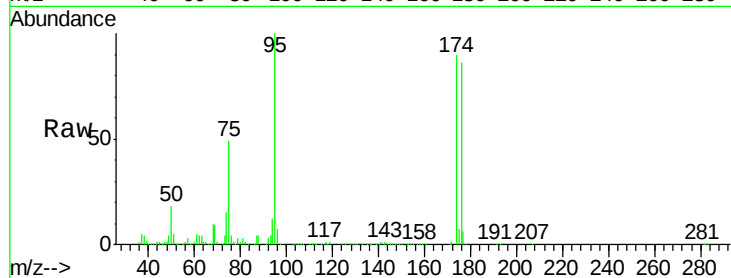
ClientSampled :

Tot Ion: 75 Resp: 351303

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 138.51 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.10 min

Lab File: VN049346.D

Acq: 18 Jun 2018 16:30

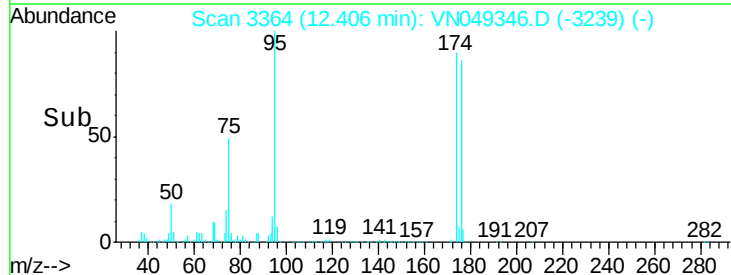
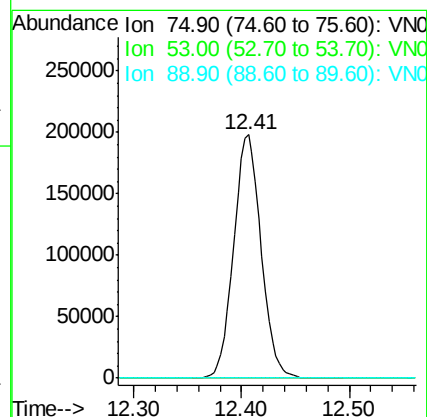
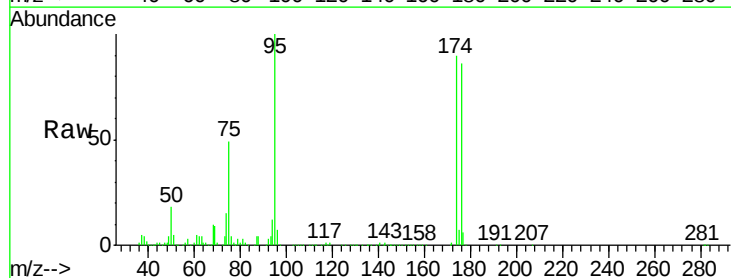
Tgt Ion: 75 Resp: 351303

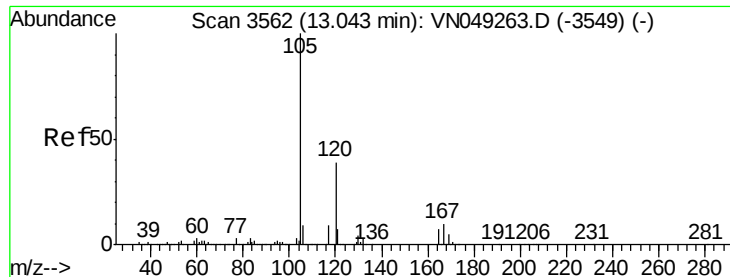
Ion Ratio Lower Upper

75 100

53 0.2 82.7 124.1#

89 0.0 36.5 54.7#





#84

1,2,4-Trimethylbenzene

Concen: 0.48 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049346.D

Acq: 18 Jun 2018 16:30

Instrument :

MSVOA_N

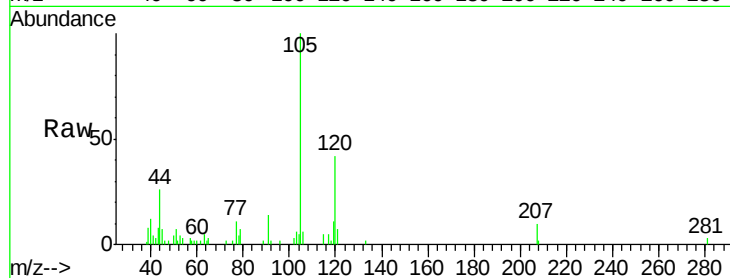
ClientSampleId :

Tot Ion:105 Resp: 15510

Ion Ratio Lower Upper

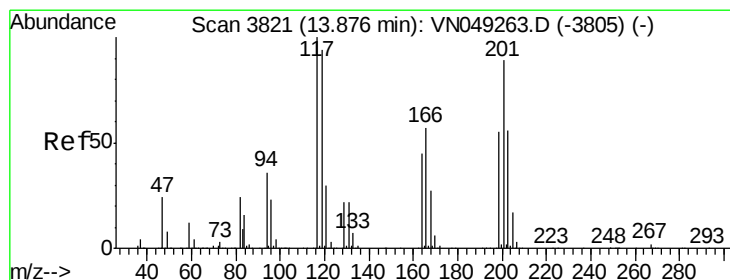
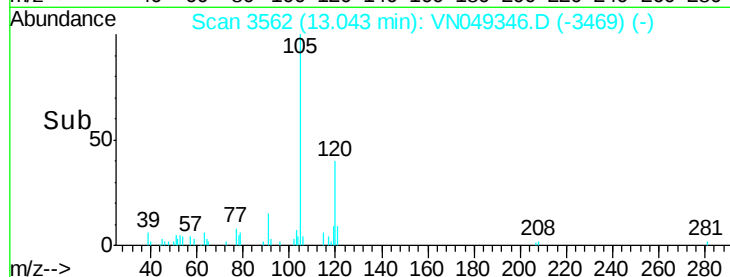
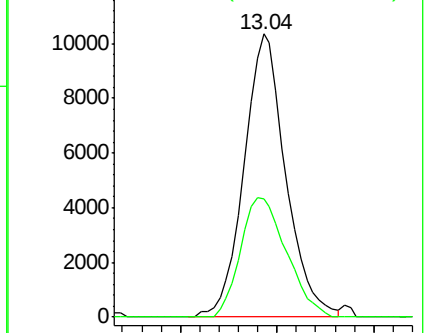
105 100

120 46.4 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#90

Hexachloroethane

Concen: Below Cal

RT: 13.87 min Scan# 3819

Delta R.T. -0.01 min

Lab File: VN049346.D

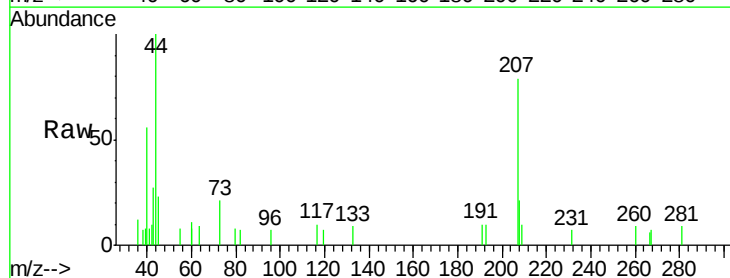
Acq: 18 Jun 2018 16:30

Tgt Ion:117 Resp: 152

Ion Ratio Lower Upper

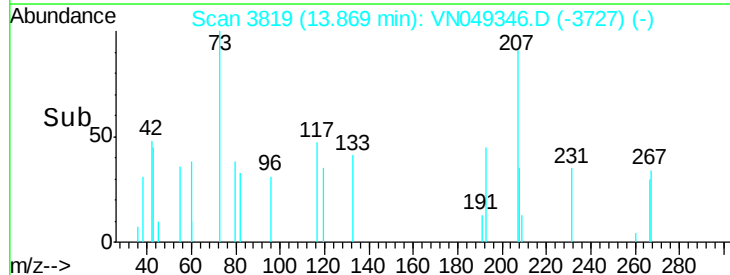
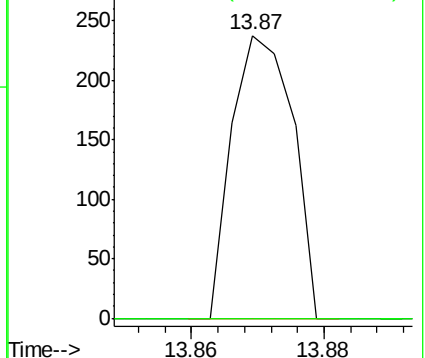
117 100

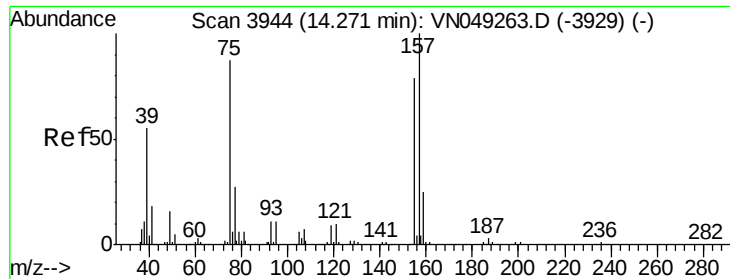
201 0.0 40.1 120.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.31 ug/l

RT: 14.26 min Scan# 3941

Delta R.T. -0.01 min

Lab File: VN049346.D

Acq: 18 Jun 2018 16:30

Instrument :

MSVOA_N

ClientSampled :

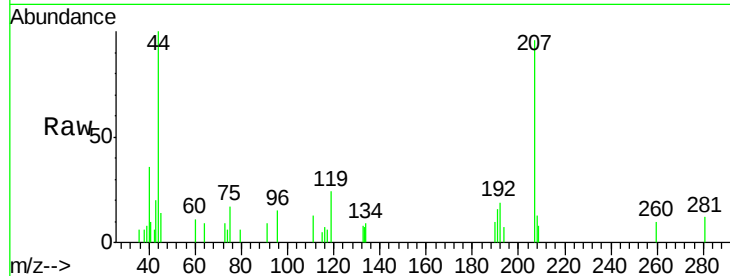
Tot Ion: 75 Resp: 441

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): VN049263.D (-3929) (-)

Ion 154.80 (154.50 to 155.50): VN049263.D (-3929) (-)

Ion 156.80 (156.50 to 157.50): VN049263.D (-3929) (-)

14.26

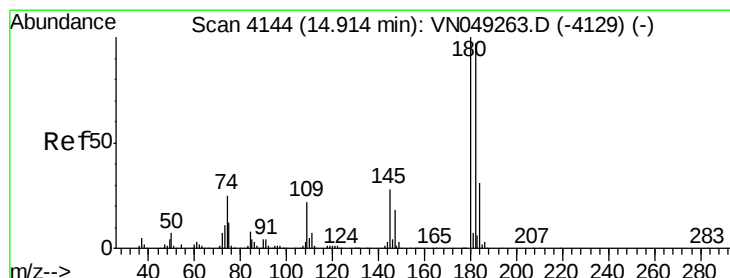
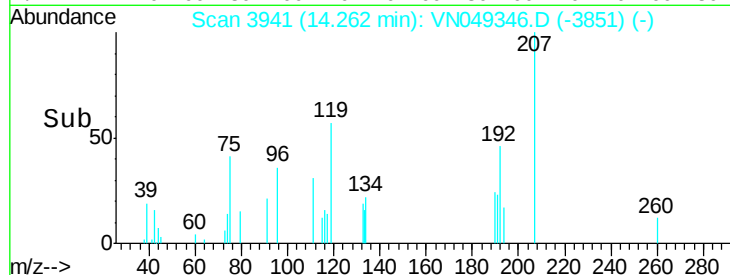
400

200

0

14.24 14.26 14.28

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 4.96 ug/l

RT: 14.91 min Scan# 4144

Delta R.T. 0.00 min

Lab File: VN049346.D

Acq: 18 Jun 2018 16:30

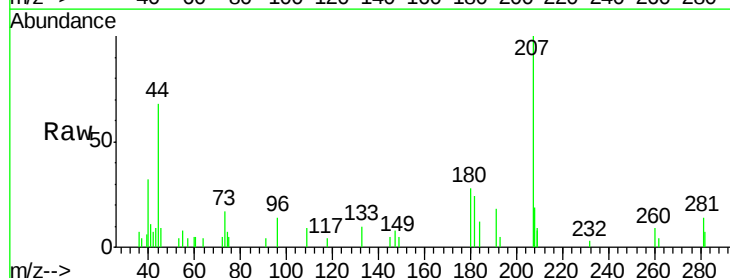
Tgt Ion:180 Resp: 1934

Ion Ratio Lower Upper

180 100

182 83.1 46.9 140.8

145 9.3 14.7 44.1#



Abundance Ion 179.80 (179.50 to 180.50): VN049263.D (-4129) (-)

Ion 181.80 (181.50 to 182.50): VN049263.D (-4129) (-)

Ion 144.80 (144.50 to 145.50): VN049263.D (-4129) (-)

14.91

1500

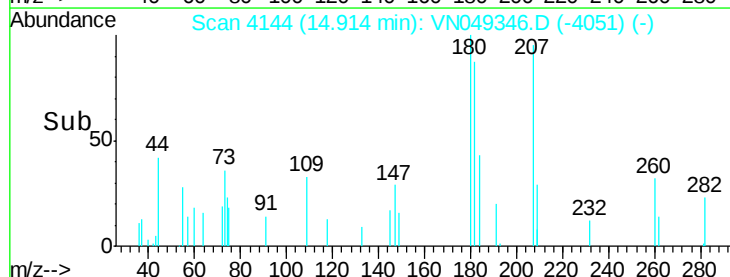
1000

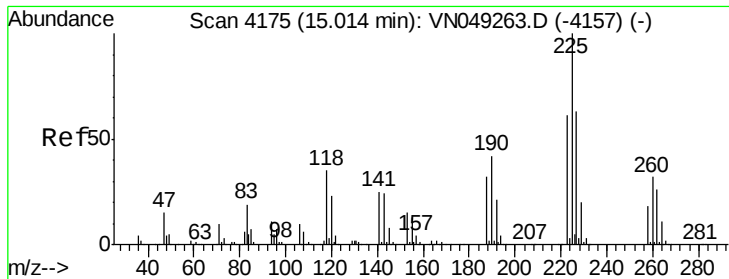
500

0

14.90 14.91 14.92 14.93 14.94 14.95

Time-->

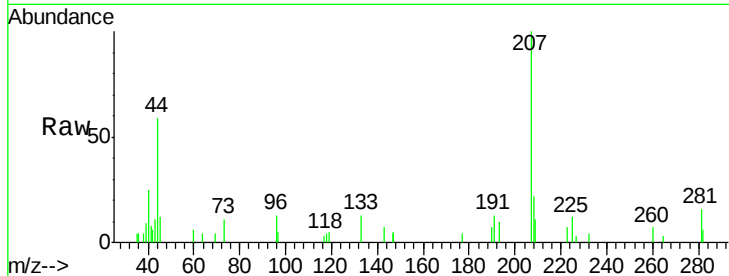




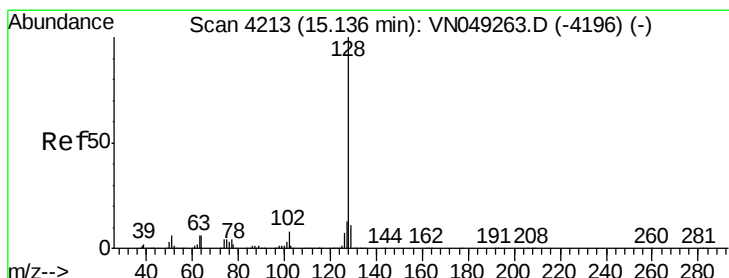
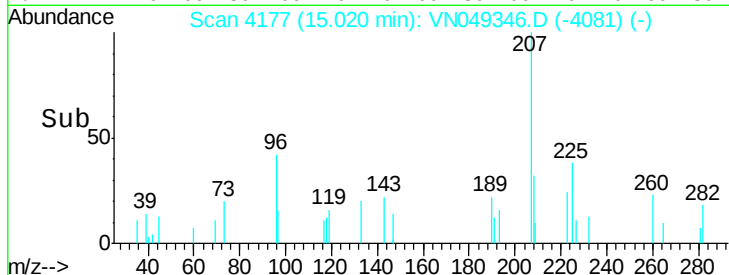
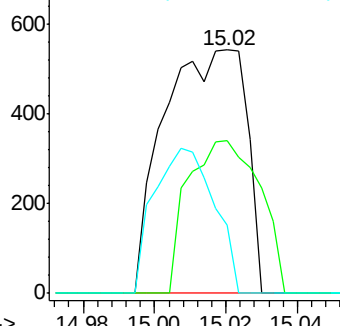
#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.02 min Scan# 4177
Delta R.T. 0.01 min
Lab File: VN049346.D
Acq: 18 Jun 2018 16:30

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:225 Resp: 868
Ion Ratio Lower Upper
225 100
223 54.4 32.1 96.3
227 43.5 31.8 95.3

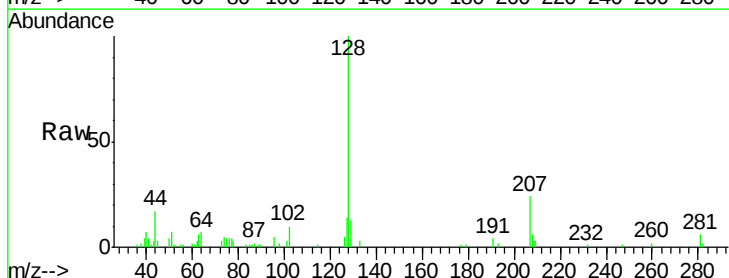


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

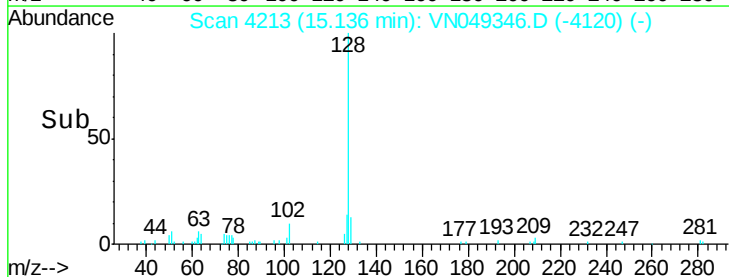
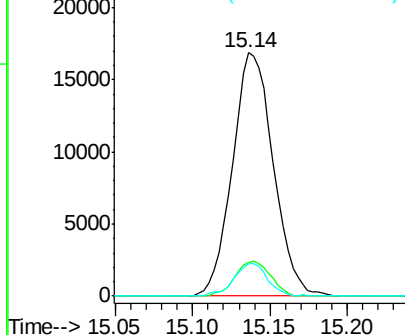


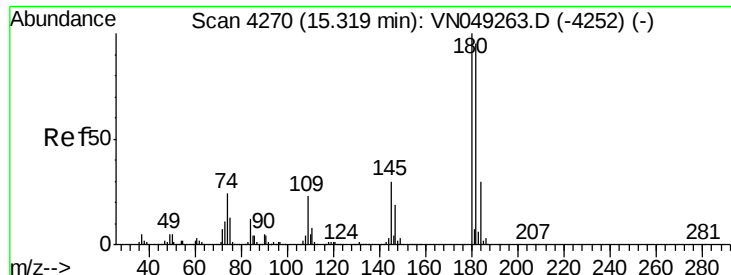
#95
Naphthalene
Concen: 4.44 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049346.D
Acq: 18 Jun 2018 16:30

Tgt Ion:128 Resp: 30955
Ion Ratio Lower Upper
128 100
127 12.4 10.6 16.0
129 10.9 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

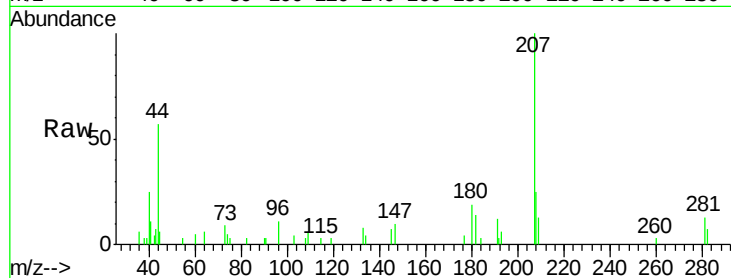




#96
 1,2,3-Trichlorobenzene
 Concen: 3.68 ug/l
 RT: 15.32 min Scan# 4271
 Delta R.T. 0.00 min
 Lab File: VN049346.D
 Acq: 18 Jun 2018 16:30

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	86.4	47.3	141.8
145	48.3	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

