

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061818\
 Data File : VN049347.D
 Acq On : 18 Jun 2018 16:56
 Operator : MD\SY
 Sample : PB110313ZHE#12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 19 01:33:15 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	1290667	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2045301	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1698674	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	539501	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	857171	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	
35) Dibromofluoromethane	7.59	113	748840	45.25	ug/l	0.00
Spiked Amount			Recovery	=	90.50%	
50) Toluene-d8	10.09	98	2767571	43.92	ug/l	0.00
Spiked Amount			Recovery	=	87.84%	
62) 4-Bromofluorobenzene	12.41	95	752301	36.11	ug/l	0.00
Spiked Amount			Recovery	=	72.22%	

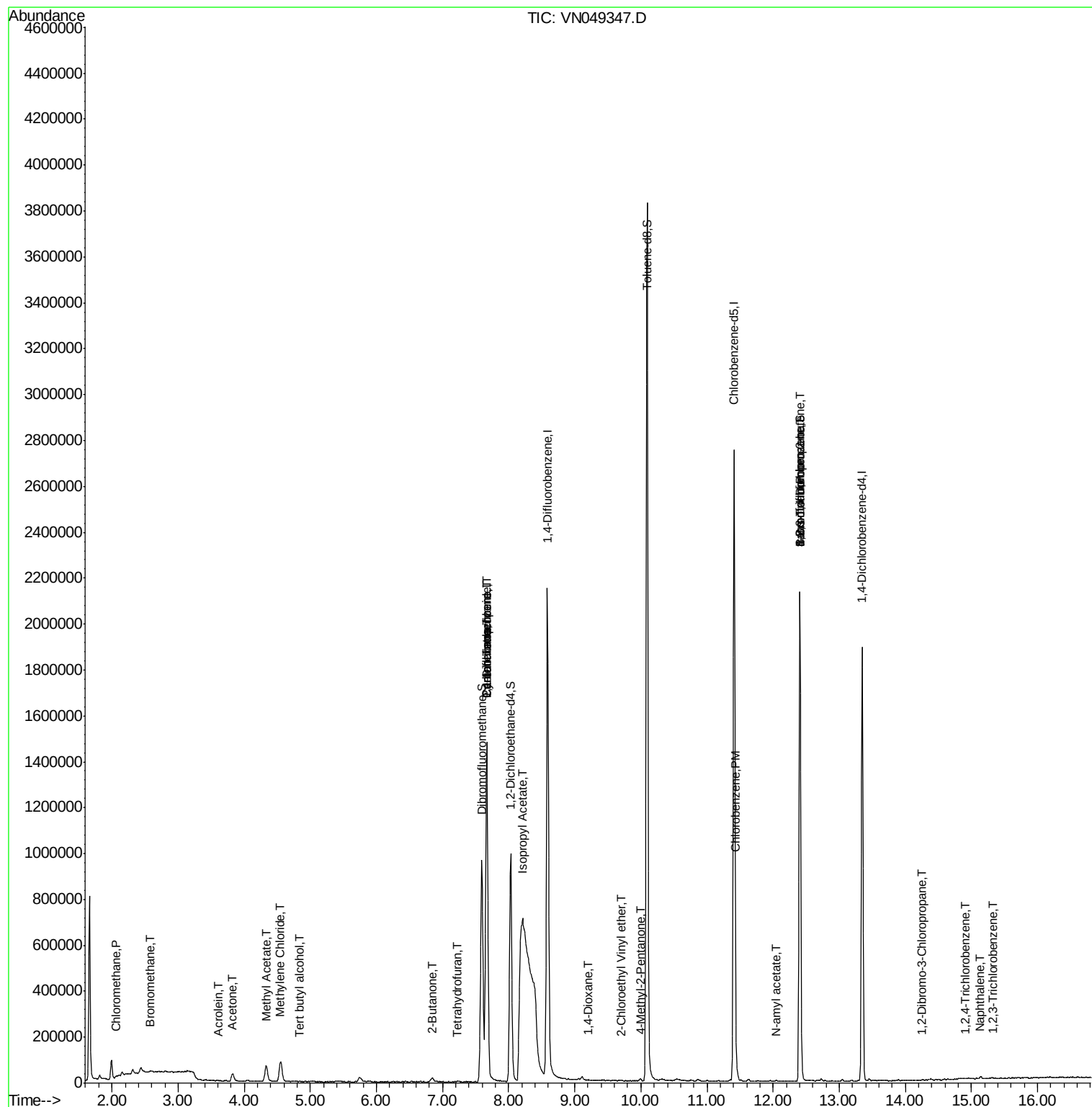
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	4362	0.23	ug/l	95
5) Bromomethane	2.57	94	4013	0.37	ug/l	82
11) Tert butyl alcohol	4.82	59	814	0.81	ug/l #	70
13) Acrolein	3.60	56	338	0.32	ug/l #	49
16) Acetone	3.82	43	58270	14.02	ug/l	97
18) Methyl Acetate	4.33	43	133060	10.50	ug/l	94
20) Methylene Chloride	4.55	84	70542	4.06	ug/l	88
25) 2-Butanone	6.85	43	8582	1.54	ug/l #	86
29) Tetrahydrofuran	7.22	42	3023	0.84	ug/l #	73
31) Cyclohexane	7.67	56	23007	0.74	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	89535	3.82	ug/l #	50
38) Carbon Tetrachloride	7.67	117	115088	4.74	ug/l #	17
43) Isopropyl Acetate	8.21	43	2519379	103.47	ug/l #	64
49) 1,4-Dioxane	9.20	88	290	1.83	ug/l #	29
51) 4-Methyl-2-Pentanone	9.99	43	7377	0.58	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.70	63	67	14.34	ug/l #	51
65) Chlorobenzene	11.44	112	24945	0.57	ug/l	100
71) Bromoform	12.41	173	4205	0.39	ug/l #	1
74) N-amyl acetate	12.05	43	4593	0.40	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	12.47	83	101	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	365227	39.68	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	365227	125.40	ug/l #	9
90) Hexachloroethane	13.91	117	67	Below Cal	#	9
92) 1,2-Dibromo-3-Chloropropan	14.26	75	601	0.36	ug/l #	10
93) 1,2,4-Trichlorobenzene	14.91	180	887	4.83	ug/l #	33
94) Hexachlorobutadiene	15.03	225	61	Below Cal	#	1
95) Naphthalene	15.14	128	7601	2.59	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.32	180	1111	3.57	ug/l #	33

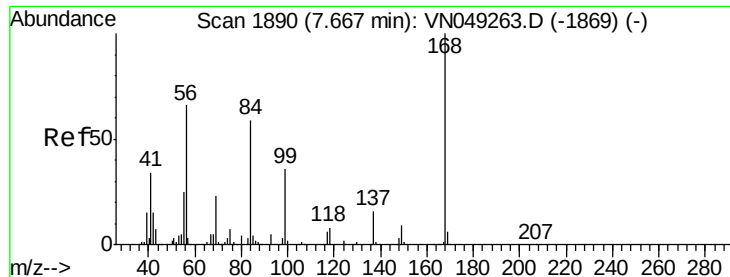
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061818\
Data File : VN049347.D
Acq On : 18 Jun 2018 16:56
Operator : MD\SY
Sample : PB110313ZHE#12
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jun 19 01:33:15 2018
Quant Method : Z:\V0ASRV\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# 1890

Delta R.T. 0.00 min

Lab File: VN049347.D

Acq: 18 Jun 2018 16:56

Instrument :

MSVOA_N

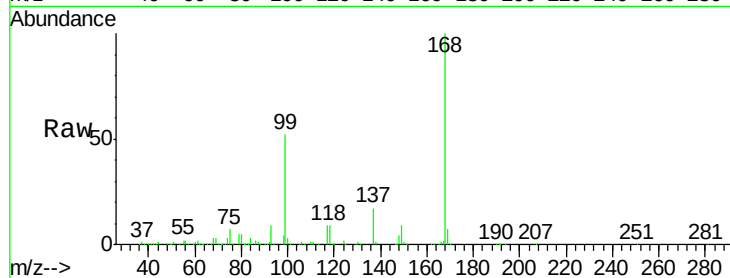
ClientSampled :

Tot Ion:168 Resp: 1290667

Ion Ratio Lower Upper

168 100

99 52.3 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

600000

500000

400000

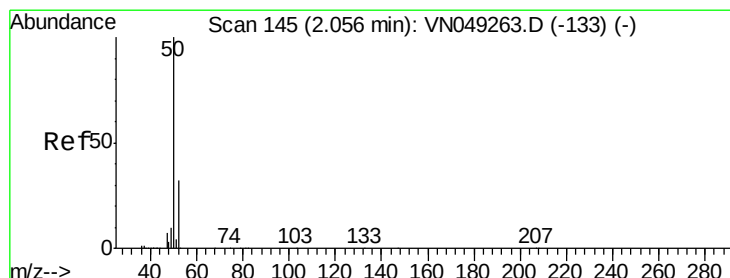
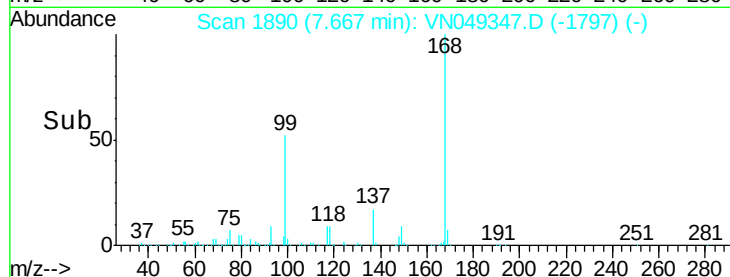
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.23 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049347.D

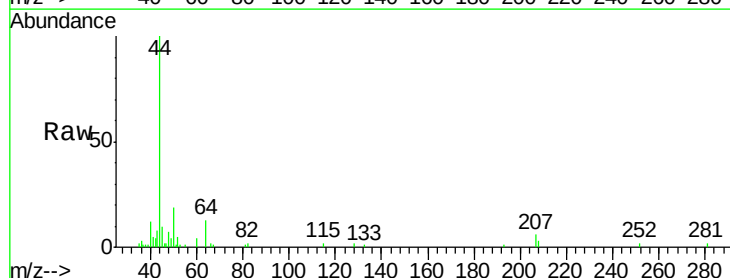
Acq: 18 Jun 2018 16:56

Tgt Ion: 50 Resp: 4362

Ion Ratio Lower Upper

50 100

52 28.9 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

3000

2500

2000

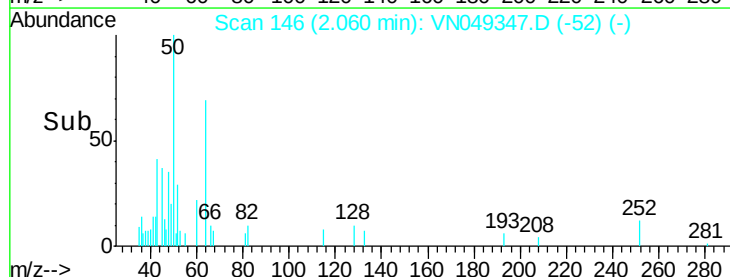
1500

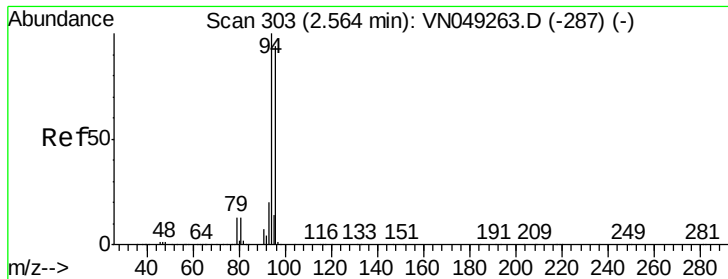
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.37 ug/l

RT: 2.57 min Scan# 306

Delta R.T. 0.01 min

Lab File: VN049347.D

Acq: 18 Jun 2018 16:56

Instrument :

MSVOA_N

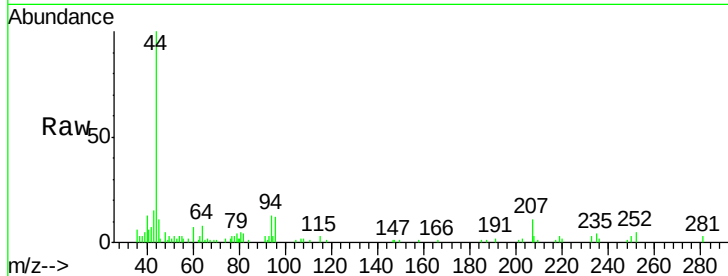
ClientSampleId :

Tot Ion: 94 Resp: 4013

Ion Ratio Lower Upper

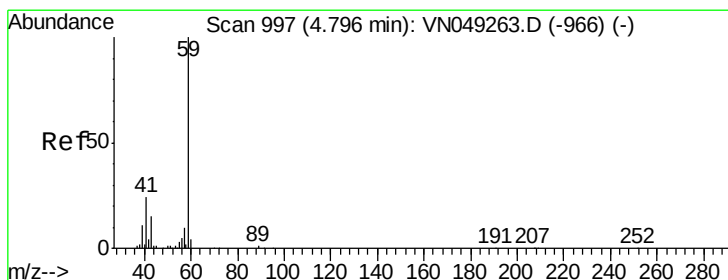
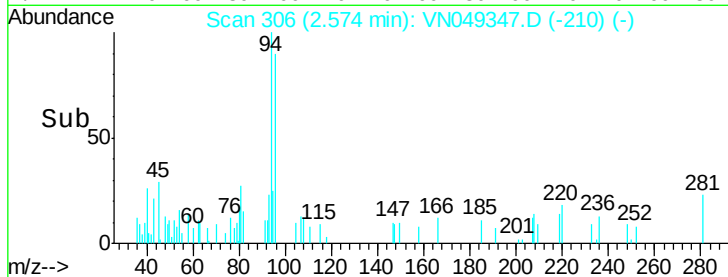
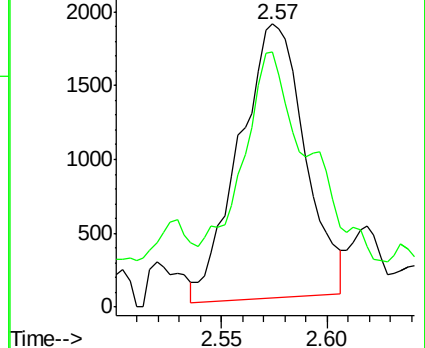
94 100

96 73.6 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: 0.81 ug/l

RT: 4.82 min Scan# 1005

Delta R.T. 0.03 min

Lab File: VN049347.D

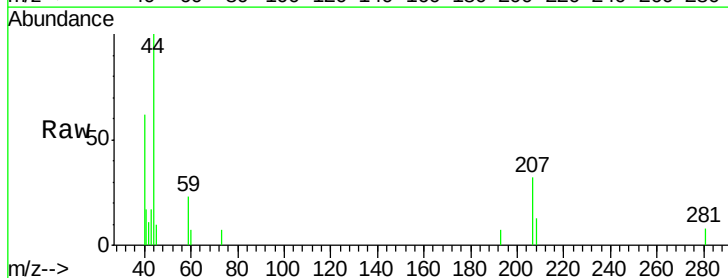
Acq: 18 Jun 2018 16:56

Tgt Ion: 59 Resp: 814

Ion Ratio Lower Upper

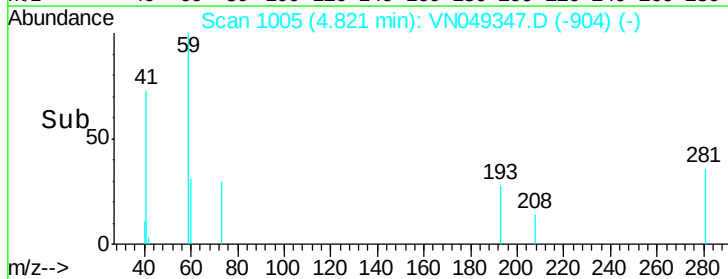
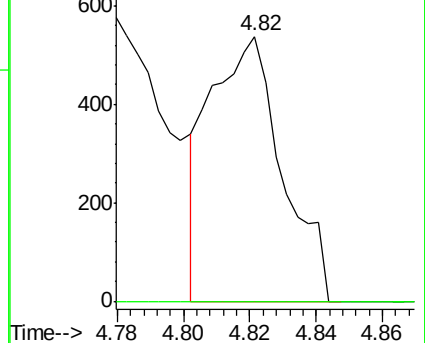
59 100

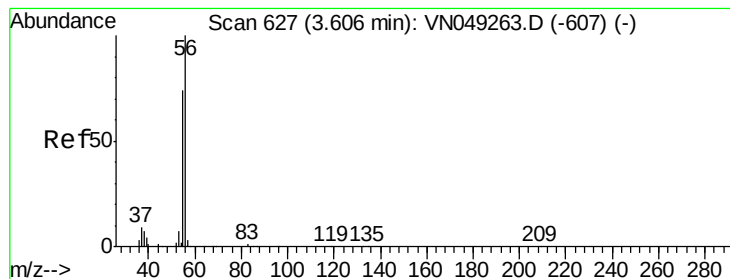
57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#13

Acrolein

Concen: 0.32 ug/l

RT: 3.60 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN049347.D

Acq: 18 Jun 2018 16:56

Instrument :

MSVOA_N

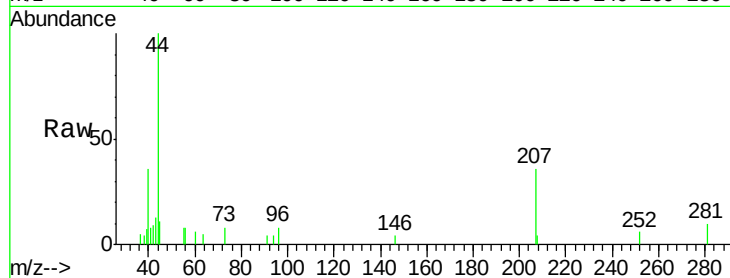
ClientSampled :

Tot Ion: 56 Resp: 338

Ion Ratio Lower Upper

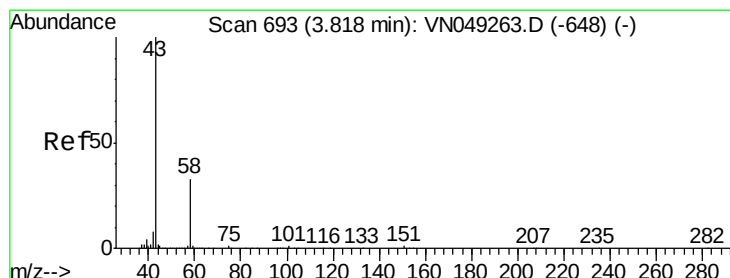
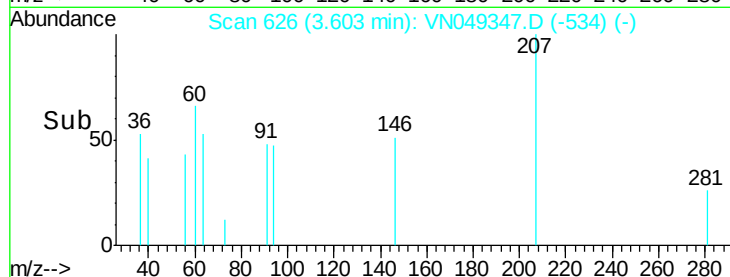
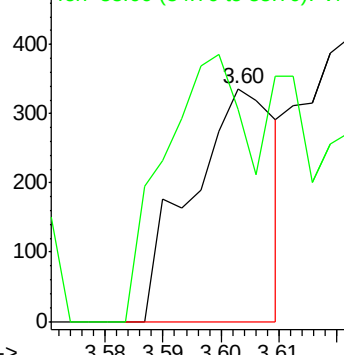
56 100

55 113.9 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 14.02 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049347.D

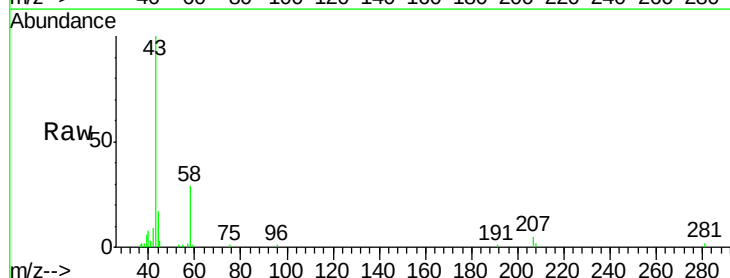
Acq: 18 Jun 2018 16:56

Tgt Ion: 43 Resp: 58270

Ion Ratio Lower Upper

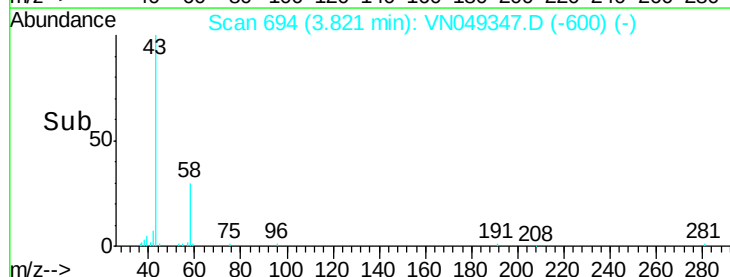
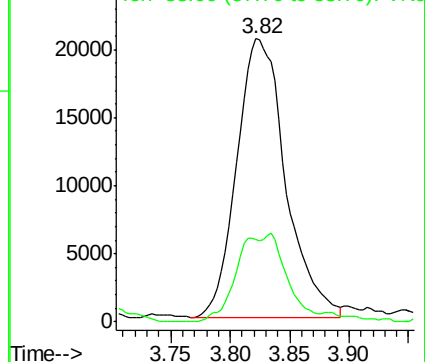
43 100

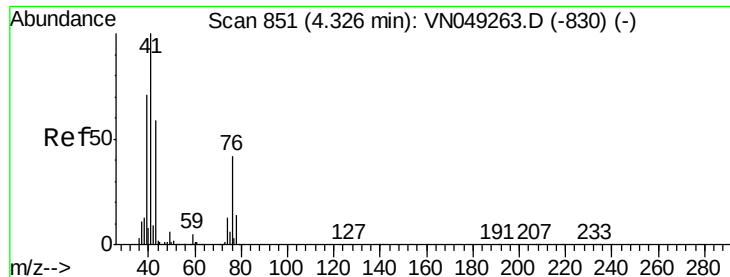
58 29.5 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

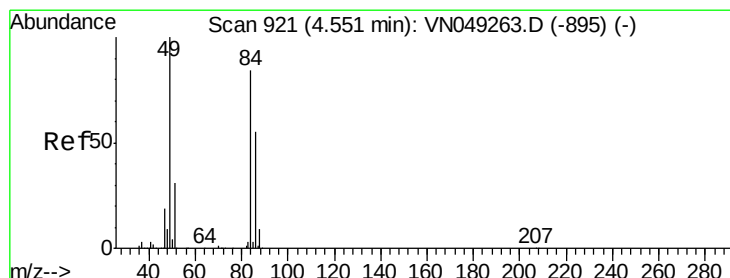
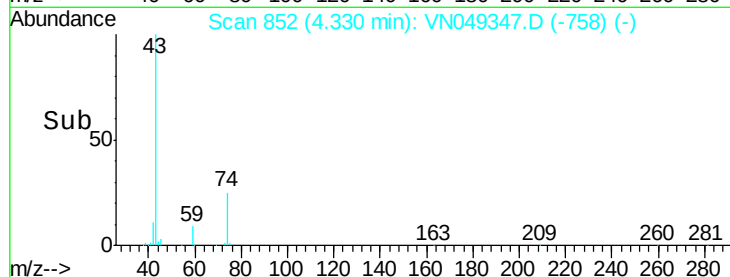
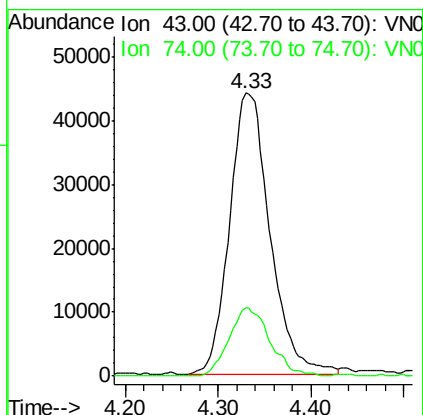
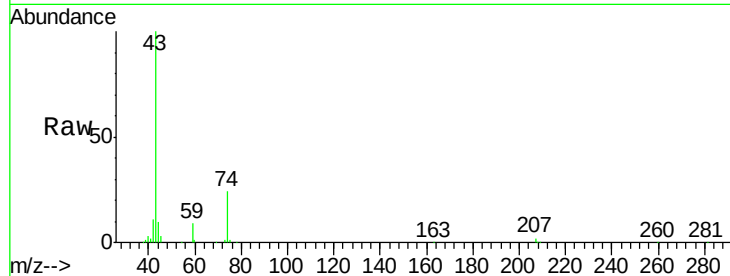




#18
Methvl Acetate
Concen: 10.50 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049347.D
Acq: 18 Jun 2018 16:56

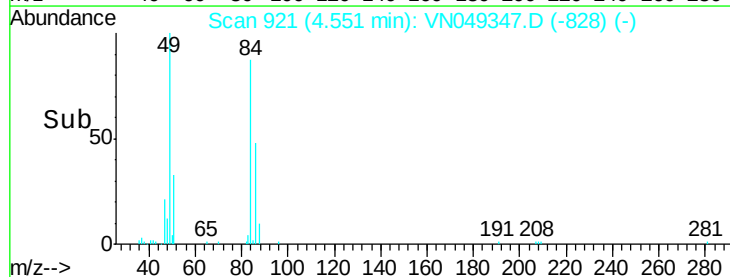
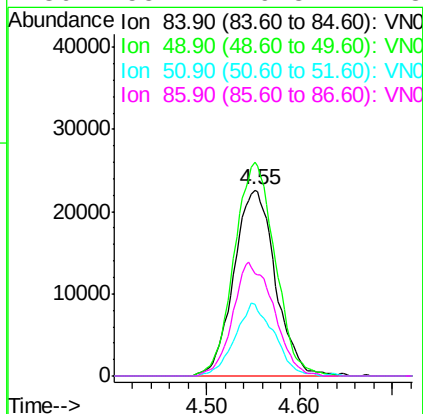
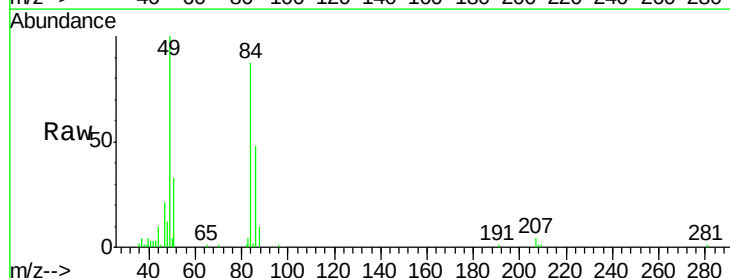
Instrument :
MSVOA_N
ClientSampleId :

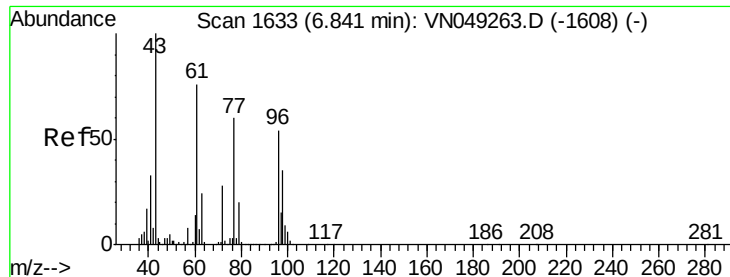
Tot Ion: 43 Resp: 133060
Ion Ratio Lower Upper
43 100
74 24.7 17.4 26.0



#20
Methylene Chloride
Concen: 4.06 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049347.D
Acq: 18 Jun 2018 16:56

Tgt Ion: 84 Resp: 70542
Ion Ratio Lower Upper
84 100
49 114.8 106.9 160.3
51 38.4 32.7 49.1
86 55.1 49.8 74.8

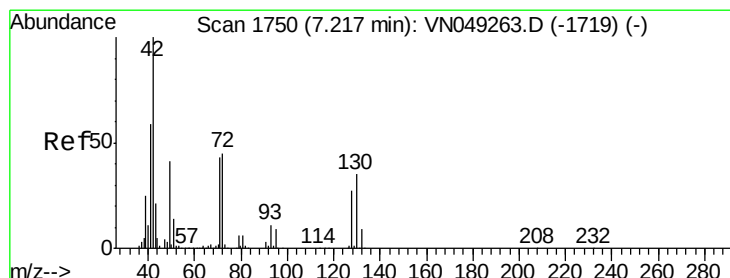
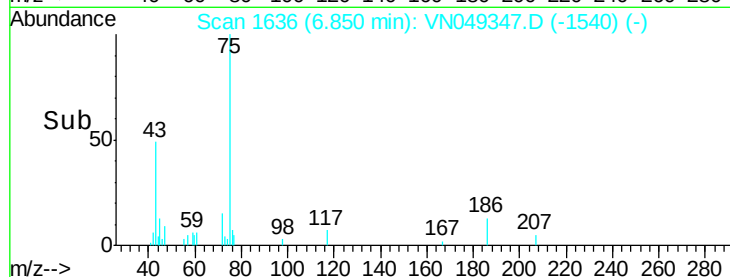
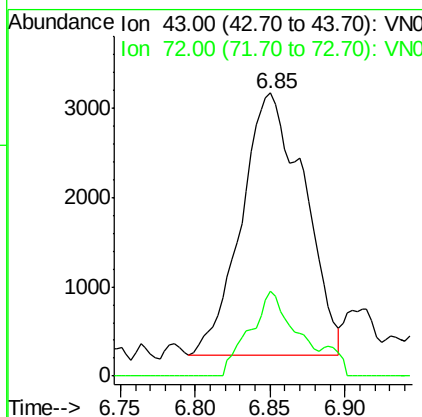
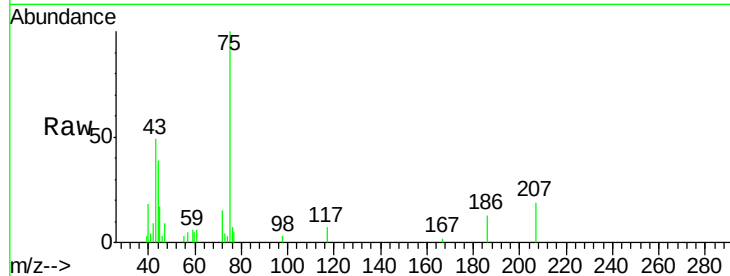




#25
2-Butanone
Concen: 1.54 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN049347.D
Acq: 18 Jun 2018 16:56

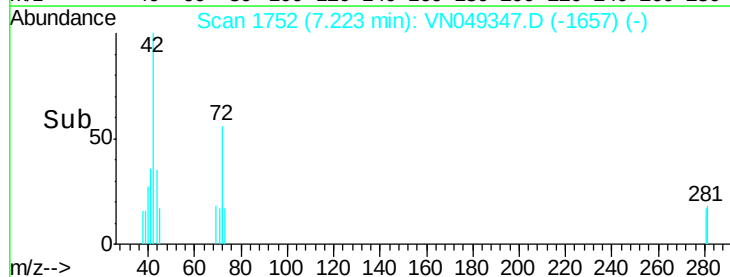
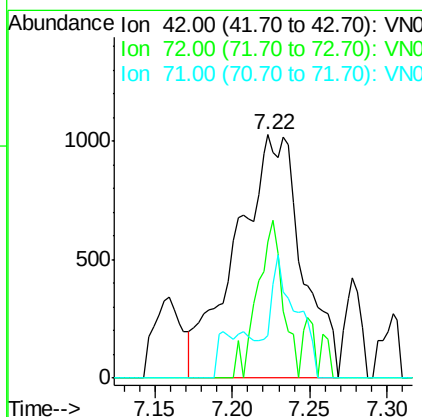
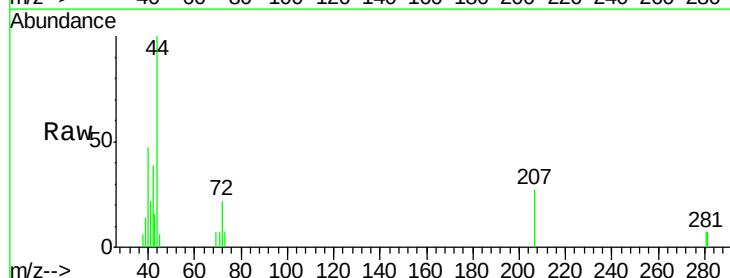
Instrument :
MSVOA_N
ClientSampleId :

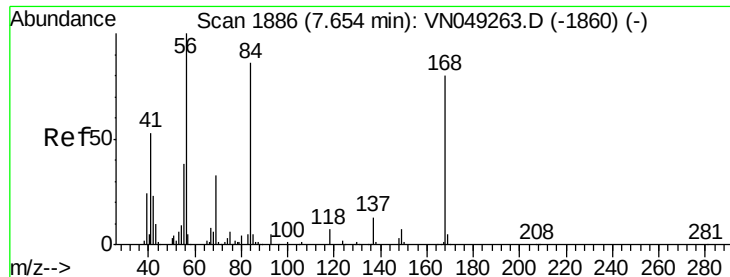
Tot Ion: 43 Resp: 8582
Ion Ratio Lower Upper
43 100
72 32.3 20.2 30.2#



#29
Tetrahydrofuran
Concen: 0.84 ug/l
RT: 7.22 min Scan# 1752
Delta R.T. 0.01 min
Lab File: VN049347.D
Acq: 18 Jun 2018 16:56

Tgt Ion: 42 Resp: 3023
Ion Ratio Lower Upper
42 100
72 25.1 32.2 48.4#
71 20.4 30.5 45.7#

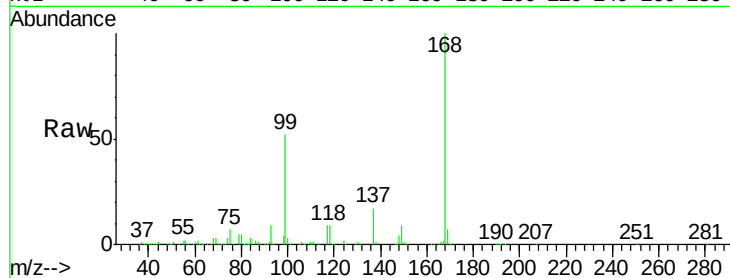




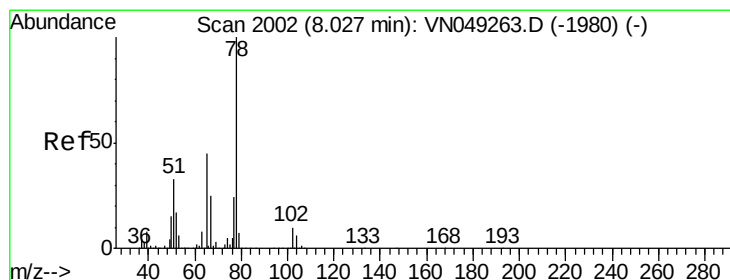
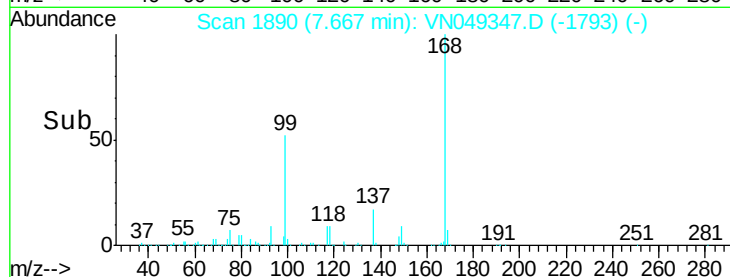
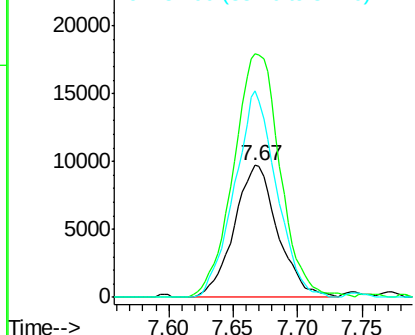
#31
Cyclohexane
Concen: 0.74 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049347.D
Acq: 18 Jun 2018 16:56

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 23007
Ion Ratio Lower Upper
56 100
69 184.6 25.0 37.4#
84 156.6 64.6 96.8#

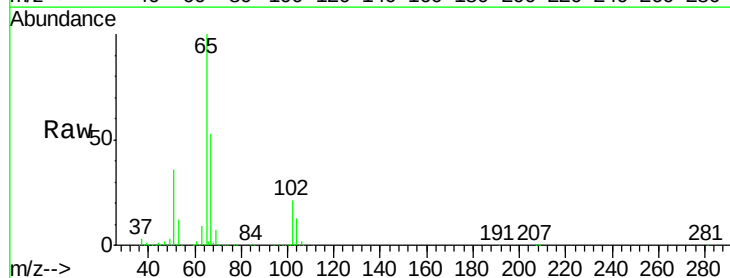


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

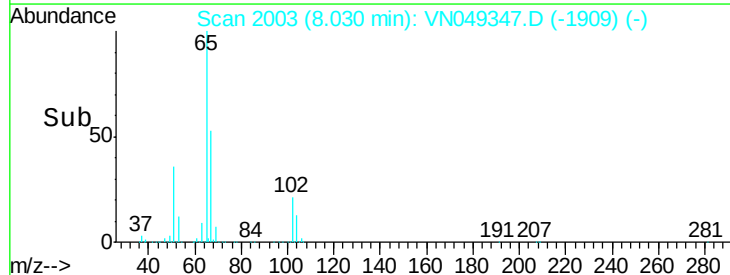
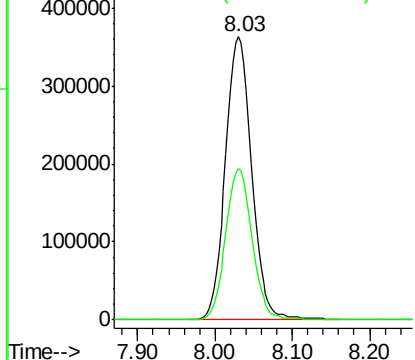


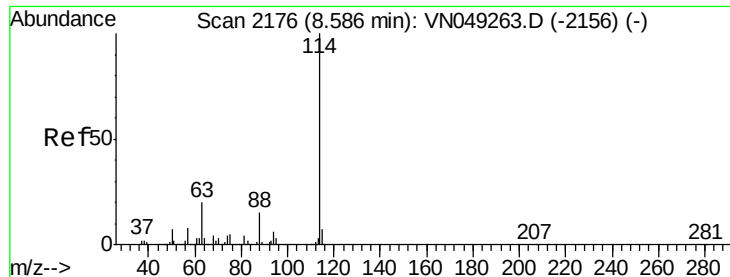
#33
1,2-Dichloroethane-d4
Concen: 50.07 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN049347.D
Acq: 18 Jun 2018 16:56

Tgt Ion: 65 Resp: 857171
Ion Ratio Lower Upper
65 100
67 53.5 0.0 103.8



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

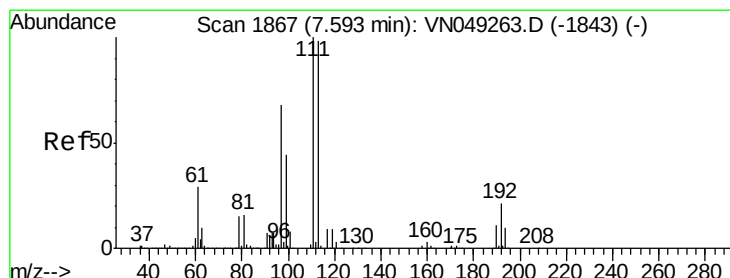
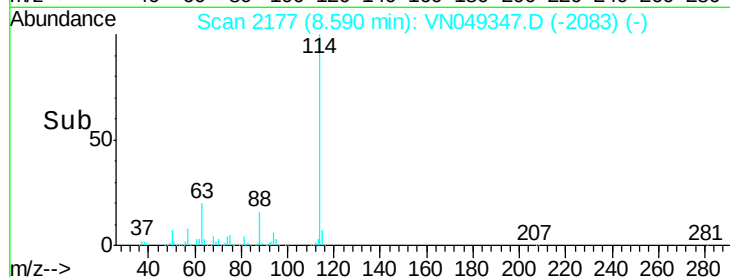
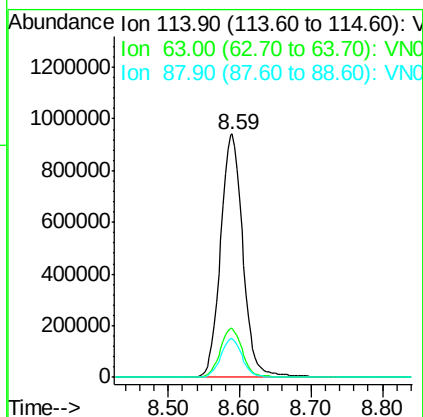
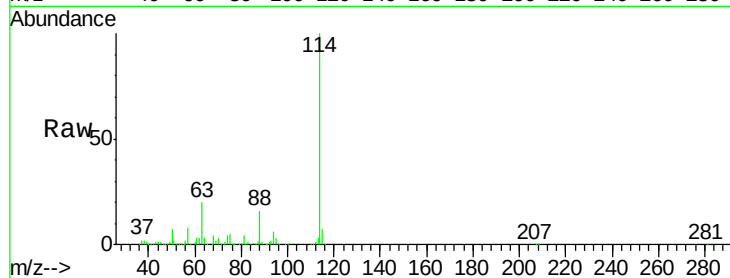




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049347.D
 Acq: 18 Jun 2018 16:56

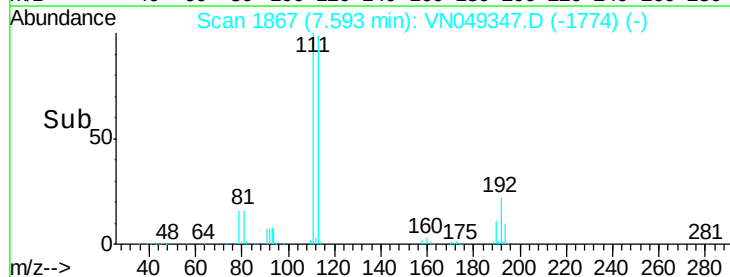
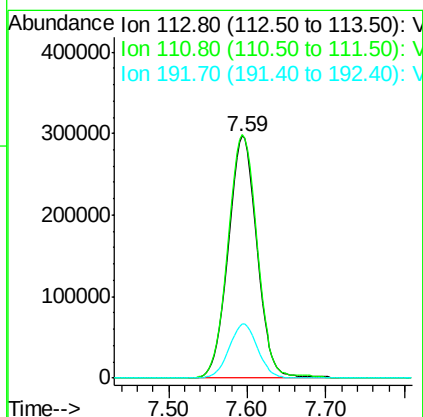
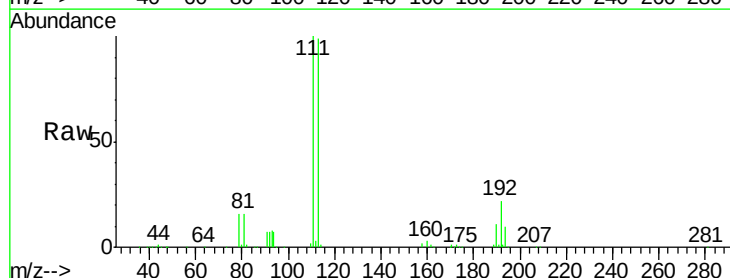
Instrument :
 MSVOA_N
 ClientSampleId :

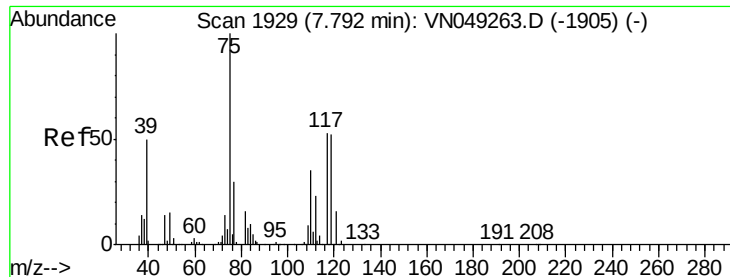
Tot Ion:114 Resp: 2045301
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 44.4
 88 15.7 0.0 31.4



#35
 Dibromofluoromethane
 Concen: 45.25 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049347.D
 Acq: 18 Jun 2018 16:56

Tgt Ion:113 Resp: 748840
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.4 123.6
 192 22.3 15.0 22.6





#36

1,1-Dichloropropene

Concen: 3.82 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.12 min

Lab File: VN049347.D

Acq: 18 Jun 2018 16:56

Instrument :

MSVOA_N

ClientSampleId :

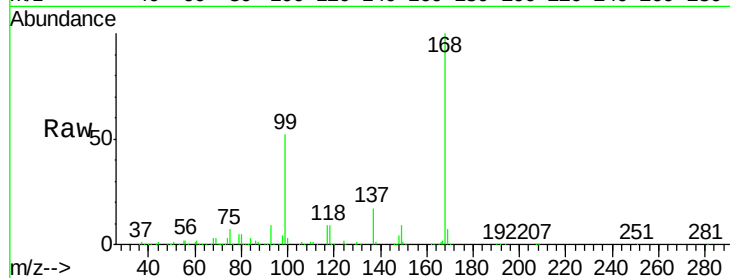
Tot Ion: 75 Resp: 89535

Ion Ratio Lower Upper

75 100

110 8.6 17.0 50.9#

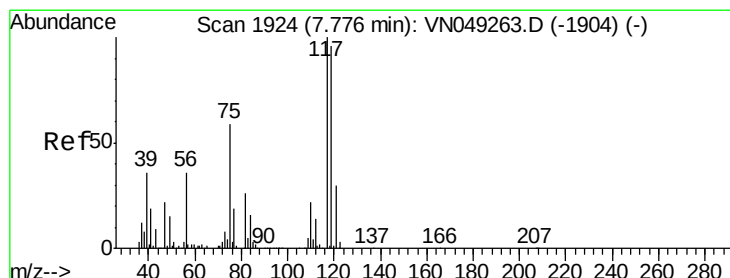
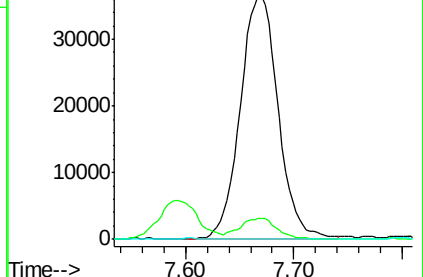
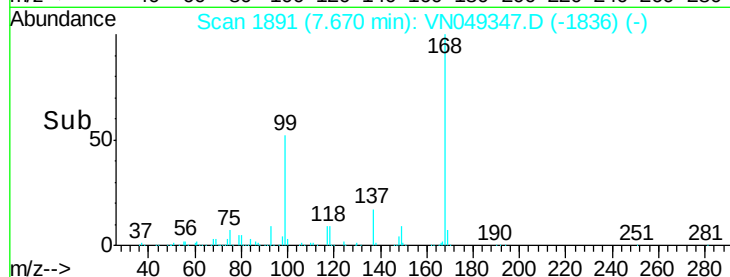
77 0.0 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VN049347.D (-1836) (-)

Ion 109.90 (109.60 to 110.60): VN049347.D (-1836) (-)

Ion 76.90 (76.60 to 77.60): VN049347.D (-1836) (-)



#38

Carbon Tetrachloride

Concen: 4.74 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.11 min

Lab File: VN049347.D

Acq: 18 Jun 2018 16:56

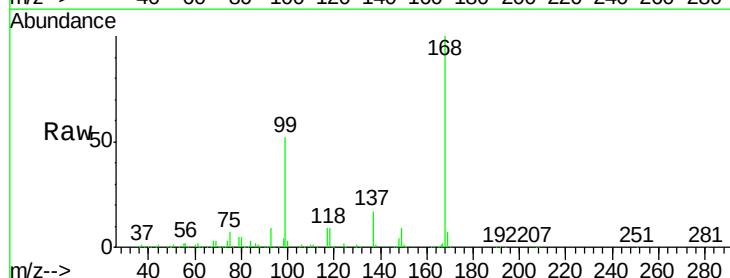
Tgt Ion: 117 Resp: 115088

Ion Ratio Lower Upper

117 100

119 5.2 75.6 113.4#

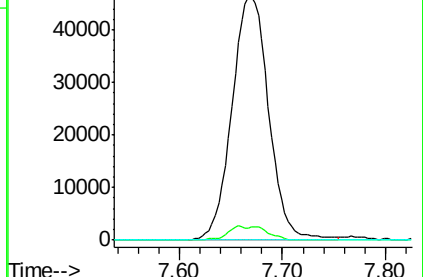
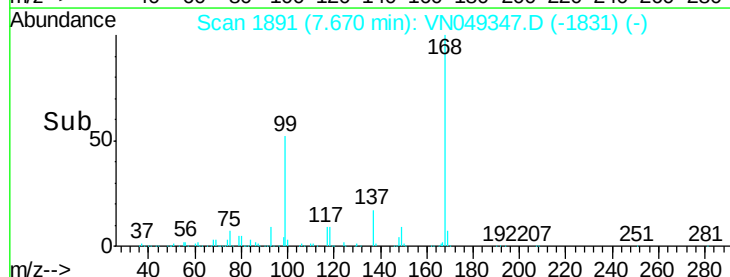
121 0.0 24.7 37.1#

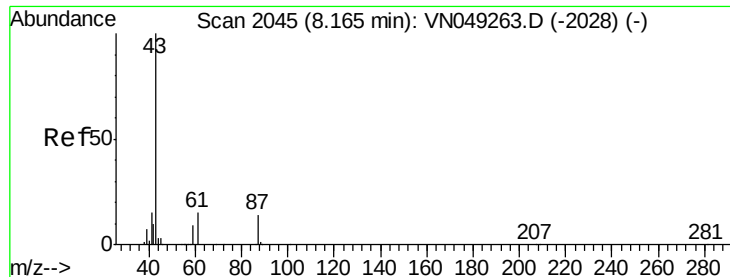


Abundance Ion 116.80 (116.50 to 117.50): VN049347.D (-1831) (-)

Ion 118.80 (118.50 to 119.50): VN049347.D (-1831) (-)

Ion 120.80 (120.50 to 121.50): VN049347.D (-1831) (-)





#43

Isopropyl Acetate

Concen: 103.47 ug/l

RT: 8.21 min Scan# 2060

Delta R.T. 0.05 min

Lab File: VN049347.D

Acq: 18 Jun 2018 16:56

Instrument :

MSVOA_N

ClientSampleId :

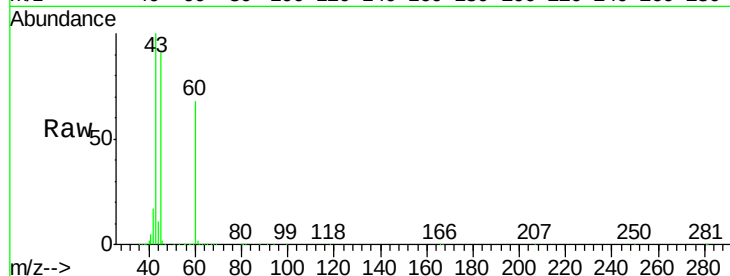
Tot Ion: 43 Resp: 2519379

Ion Ratio Lower Upper

43 100

61 0.4 14.2 21.4#

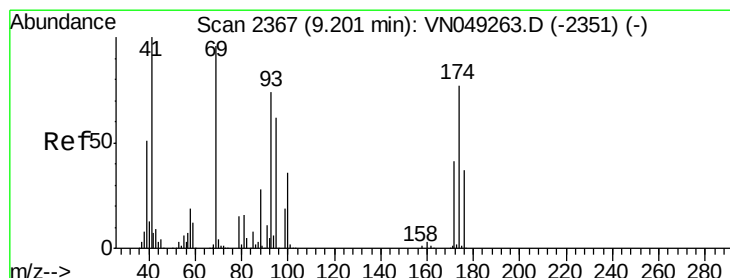
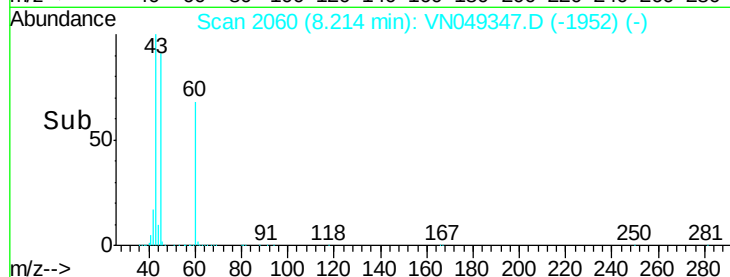
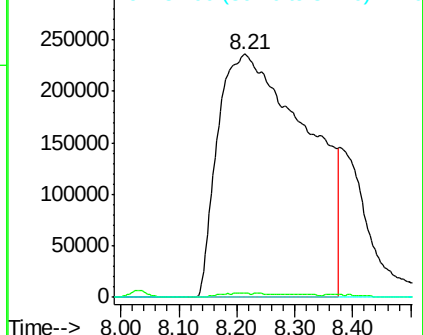
87 0.0 9.4 14.0#



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: 1.83 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN049347.D

Acq: 18 Jun 2018 16:56

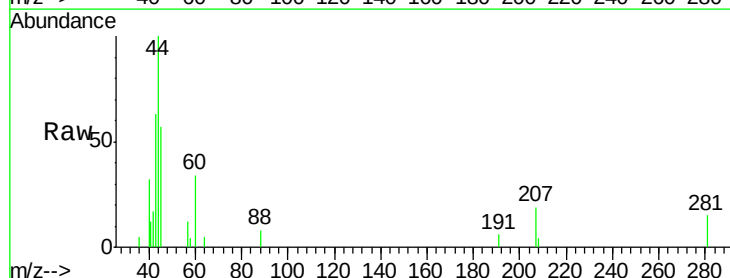
Tgt Ion: 88 Resp: 290

Ion Ratio Lower Upper

88 100

43 0.0 30.9 46.3#

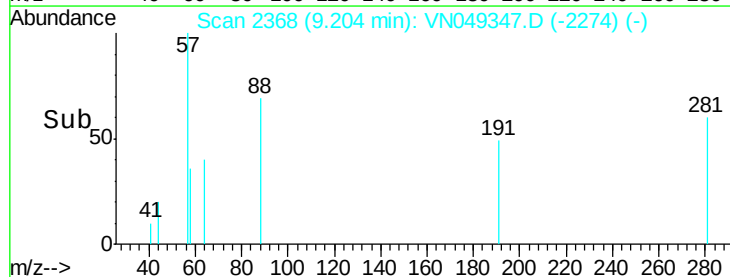
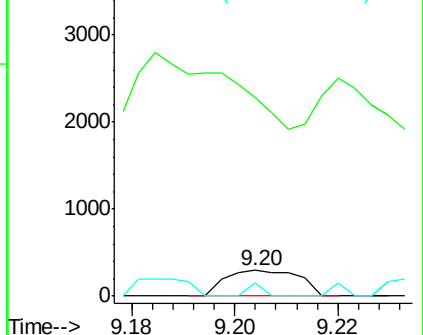
58 10.3 58.9 88.3#

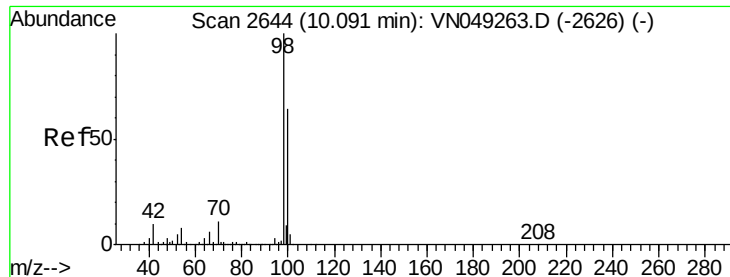


Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#50

Toluene-d8

Concen: 43.92 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049347.D

Acq: 18 Jun 2018 16:56

Instrument :

MSVOA_N

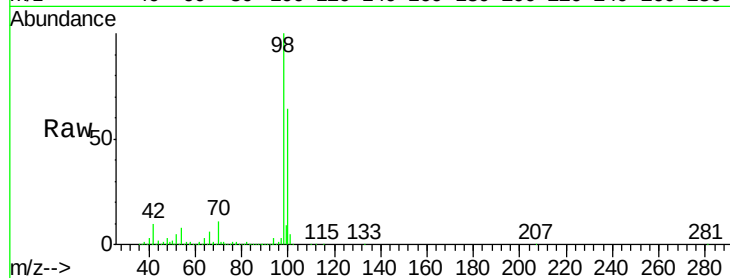
ClientSampleId :

Tot Ion: 98 Resp: 2767571

Ion Ratio Lower Upper

98 100

100 63.7 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

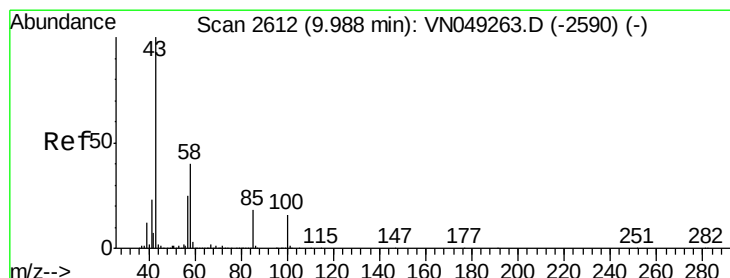
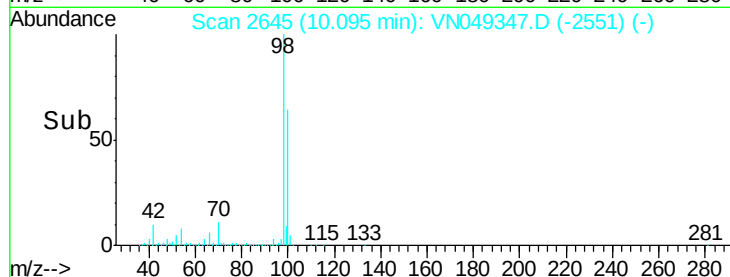
1500000

1000000

500000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.58 ug/l

RT: 9.99 min Scan# 2614

Delta R.T. 0.01 min

Lab File: VN049347.D

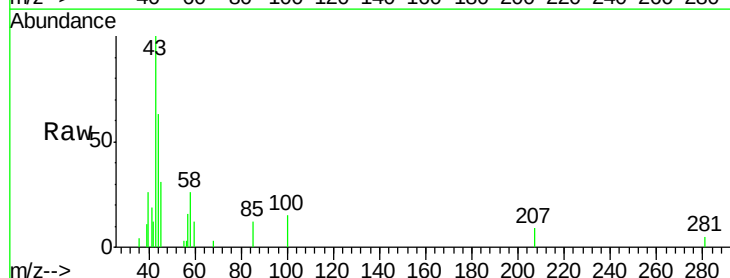
Acq: 18 Jun 2018 16:56

Tgt Ion: 43 Resp: 7377

Ion Ratio Lower Upper

43 100

58 38.2 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

6000

5000

4000

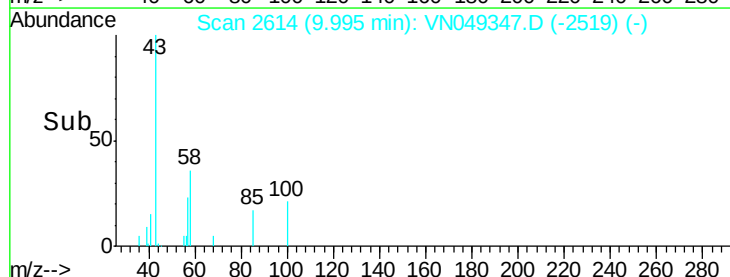
3000

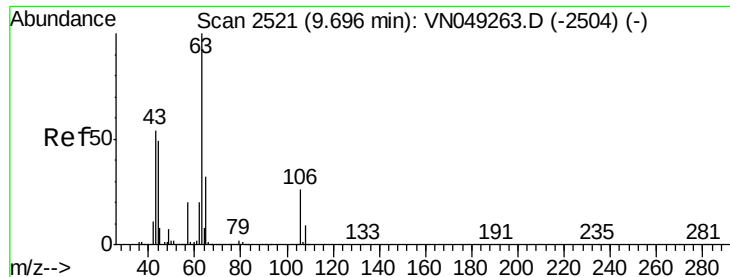
2000

1000

0

Time-->

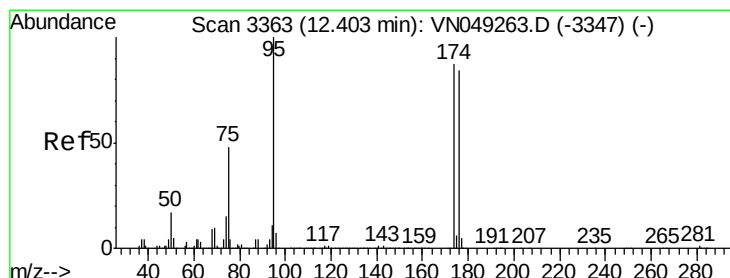
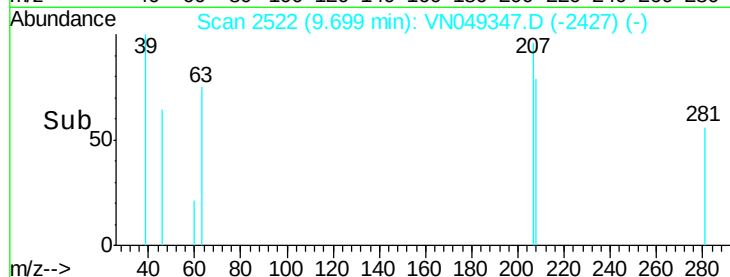
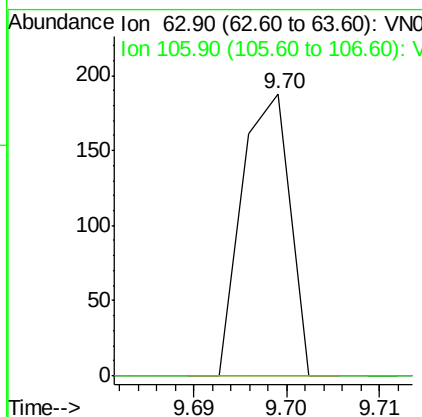
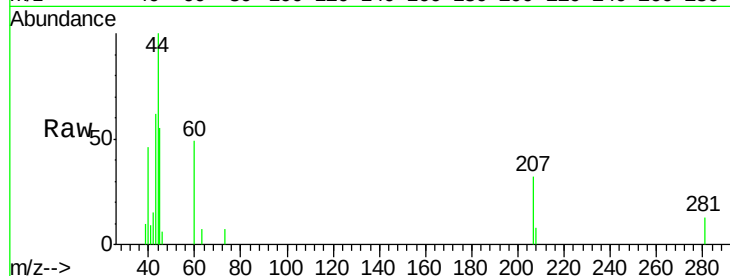




#58
 2-Chloroethyl Vinyl ether
 Concen: 14.34 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN049347.D
 Acq: 18 Jun 2018 16:56

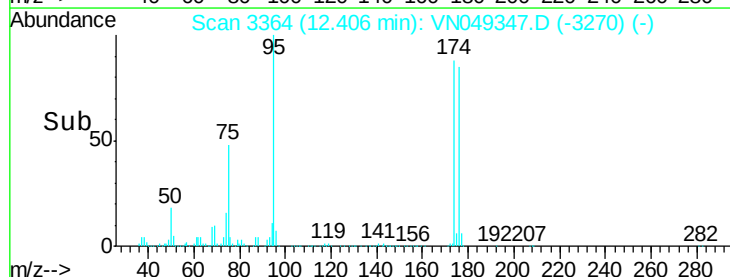
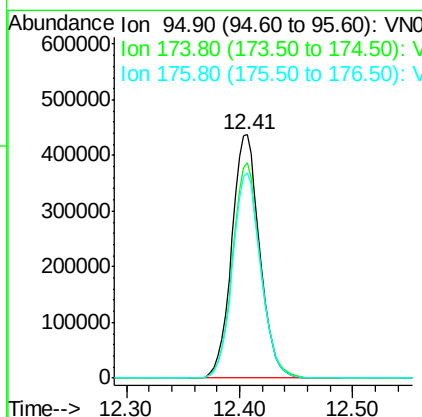
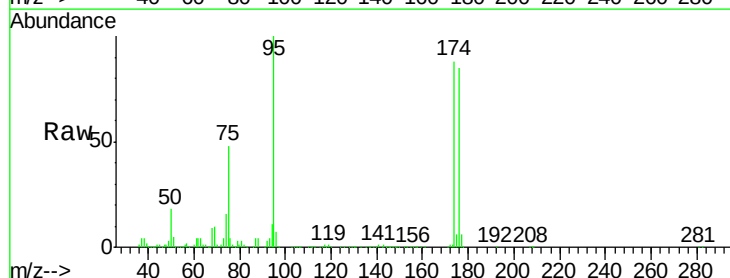
Instrument :
 MSVOA_N
 ClientSampleId :

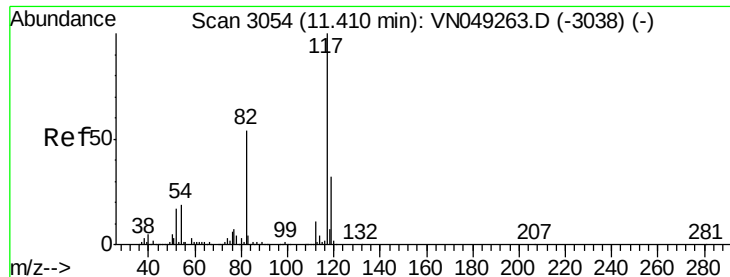
Tot Ion: 63 Resp: 67
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.4 29.2#



#62
 4-Bromofluorobenzene
 Concen: 36.11 ug/l
 RT: 12.41 min Scan# 3364
 Delta R.T. 0.00 min
 Lab File: VN049347.D
 Acq: 18 Jun 2018 16:56

Tgt Ion: 95 Resp: 752301
 Ion Ratio Lower Upper
 95 100
 174 88.2 0.0 165.6
 176 85.1 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: VN049347.D

Acq: 18 Jun 2018 16:56

Instrument :

MSVOA_N

ClientSampleId :

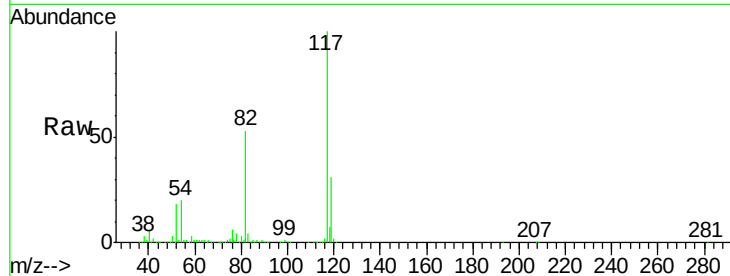
Tot Ion:117 Resp: 1698674

Ion Ratio Lower Upper

117 100

82 52.7 45.9 68.9

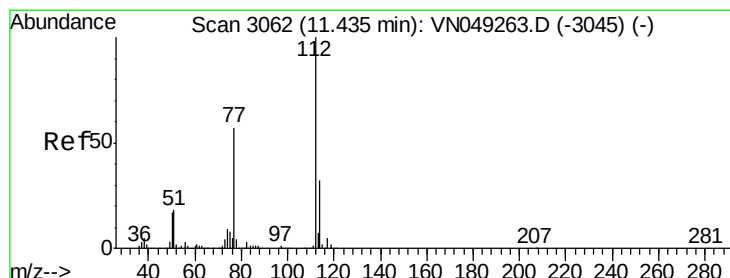
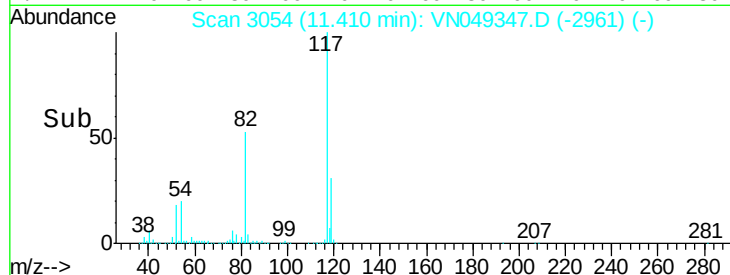
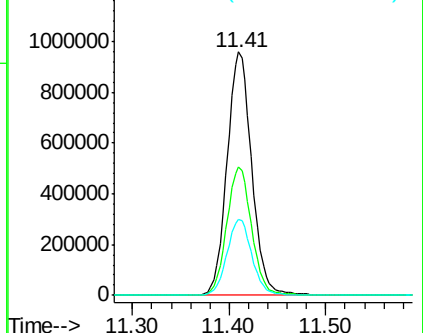
119 31.4 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#65

Chlorobenzene

Concen: 0.57 ug/l

RT: 11.44 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN049347.D

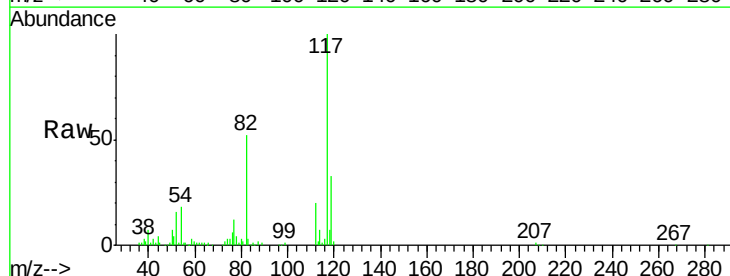
Acq: 18 Jun 2018 16:56

Tgt Ion:112 Resp: 24945

Ion Ratio Lower Upper

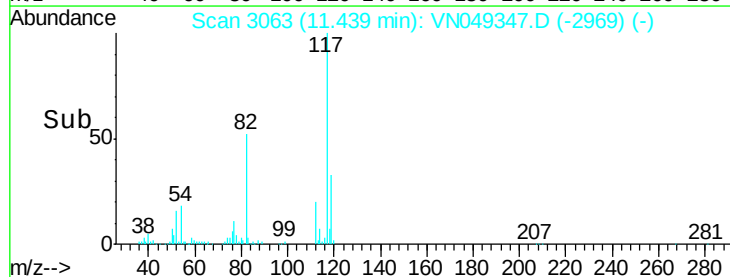
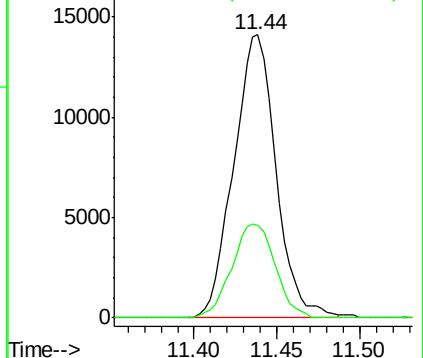
112 100

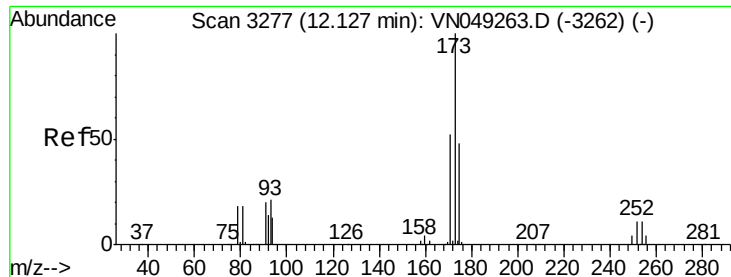
114 32.9 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#71

Bromoform

Concen: 0.39 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.28 min

Lab File: VN049347.D

Acq: 18 Jun 2018 16:56

Instrument :

MSVOA_N

ClientSampled :

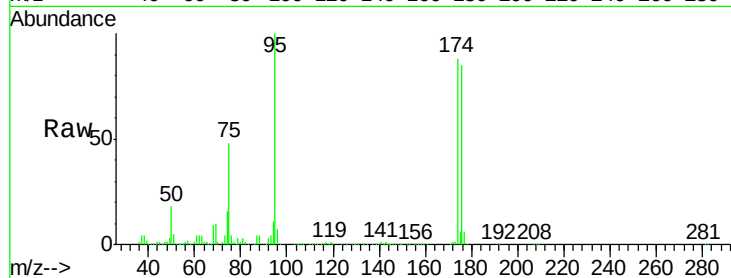
Tot Ion:173 Resp: 4205

Ion Ratio Lower Upper

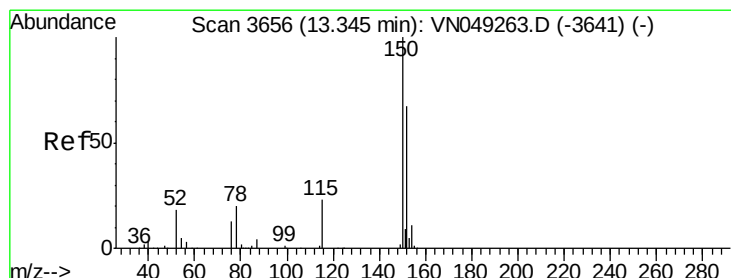
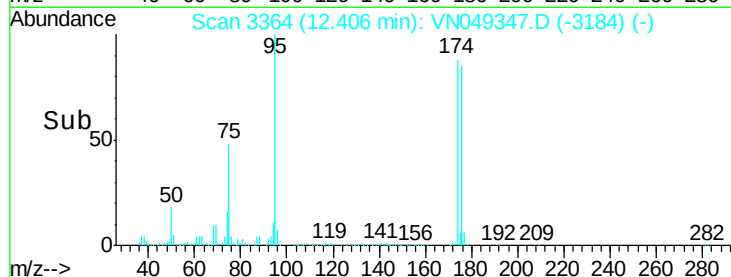
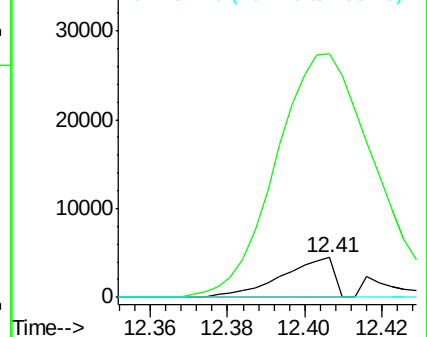
173 100

175 885.7 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: VN049347.D

Acq: 18 Jun 2018 16:56

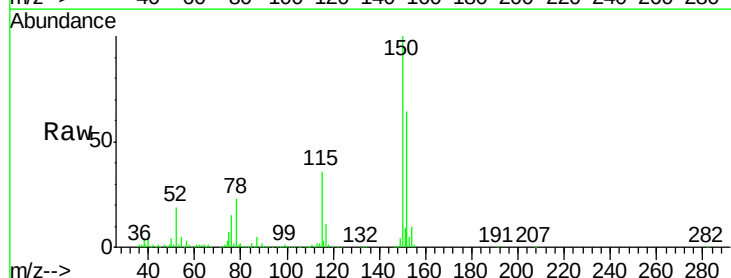
Tgt Ion:152 Resp: 539501

Ion Ratio Lower Upper

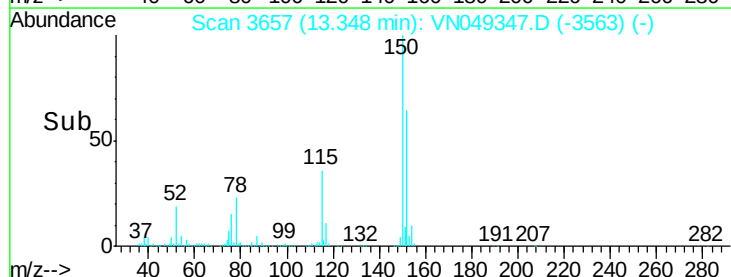
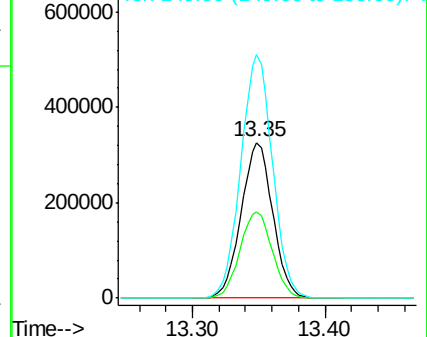
152 100

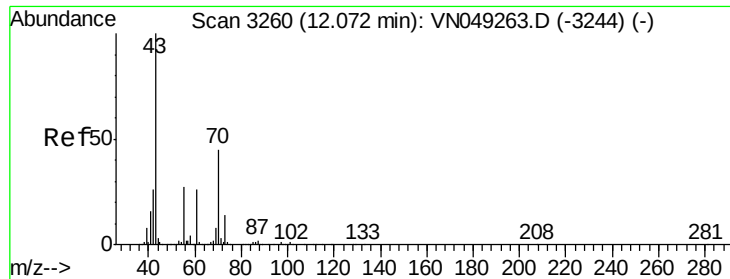
115 56.6 28.7 86.1

150 157.3 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.40 ug/l

RT: 12.05 min Scan# 3252

Delta R.T. -0.03 min

Lab File: VN049347.D

Acq: 18 Jun 2018 16:56

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 4593

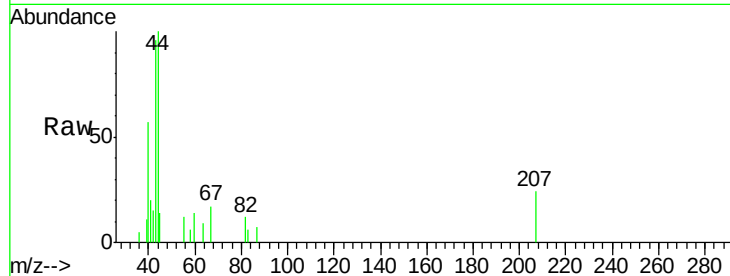
Ion Ratio Lower Upper

43 100

70 0.0 30.3 45.5#

55 10.5 19.4 29.2#

61 0.0 17.8 26.6#

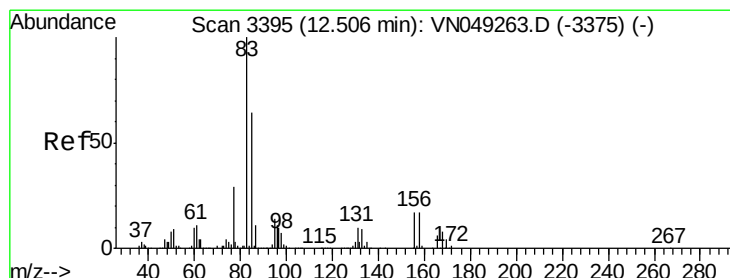
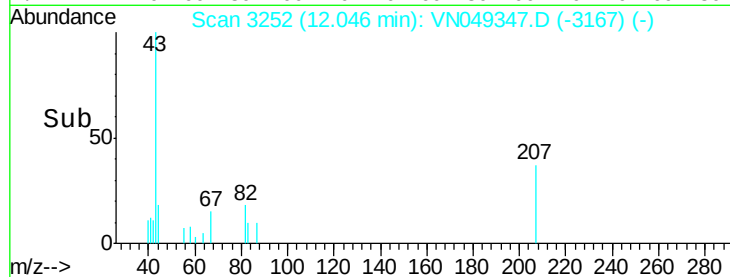
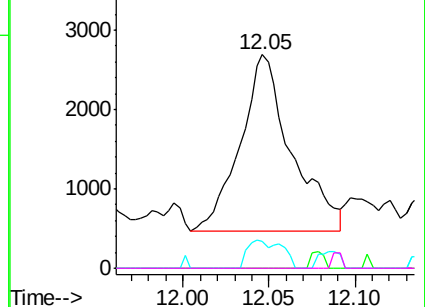


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 12.47 min Scan# 3384

Delta R.T. -0.03 min

Lab File: VN049347.D

Acq: 18 Jun 2018 16:56

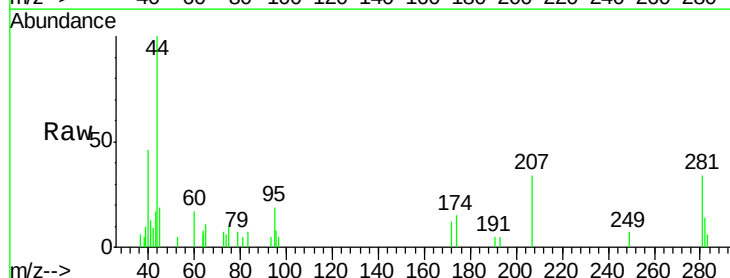
Tgt Ion: 83 Resp: 101

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

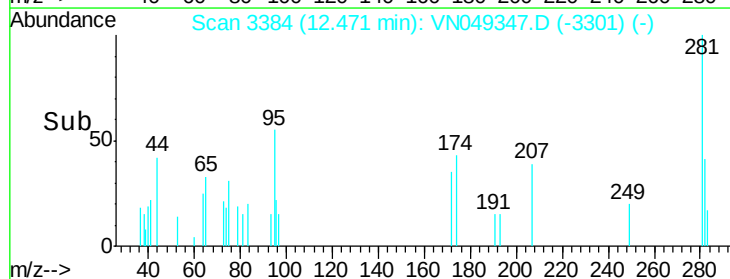
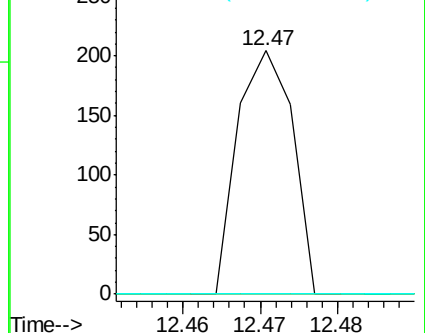
85 0.0 32.0 96.0#

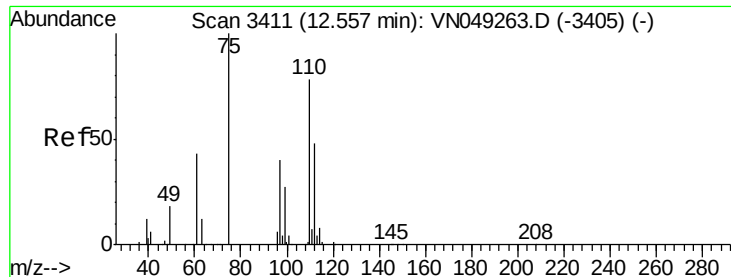


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 39.68 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049347.D

Acq: 18 Jun 2018 16:56

Instrument :

MSVOA_N

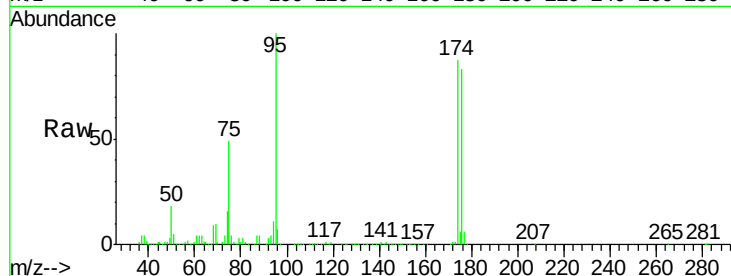
ClientSampled :

Tot Ion: 75 Resp: 365227

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

200000

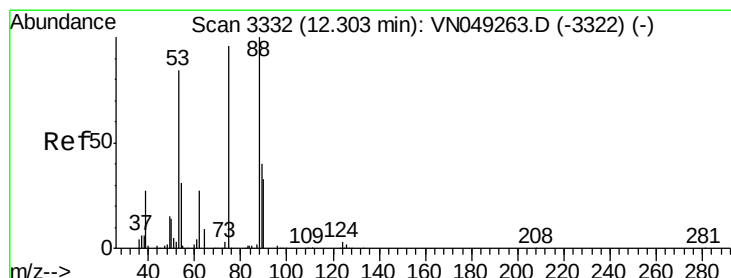
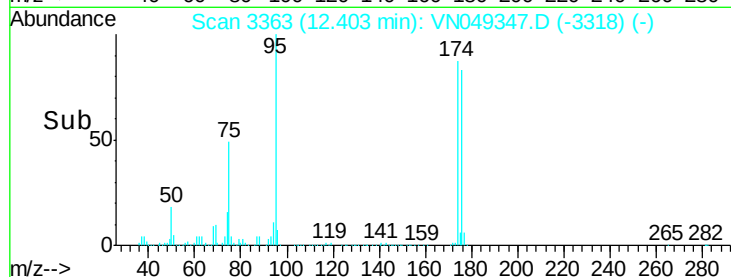
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 125.40 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049347.D

Acq: 18 Jun 2018 16:56

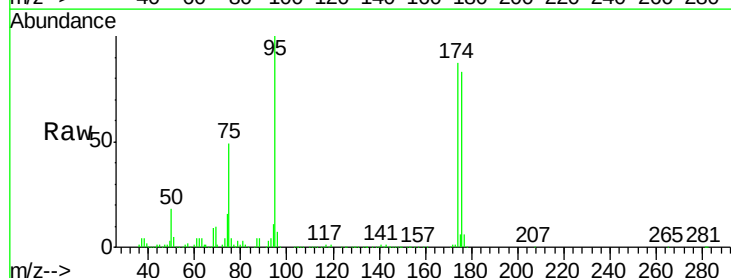
Tgt Ion: 75 Resp: 365227

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

12.40

200000

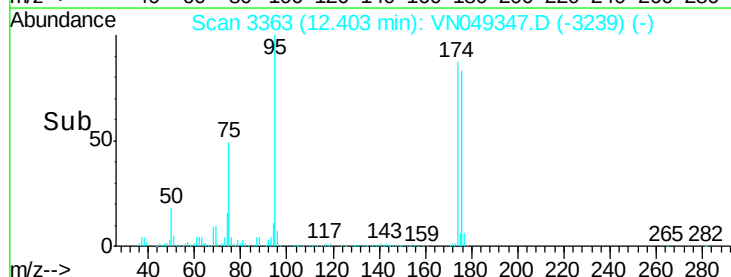
150000

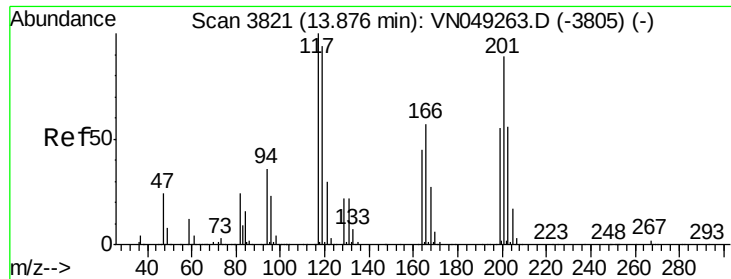
100000

50000

0

Time--> 12.30 12.40 12.50





#90

Hexachloroethane

Concen: Below Cal

RT: 13.91 min Scan# 3831

Delta R.T. 0.03 min

Lab File: VN049347.D

Acq: 18 Jun 2018 16:56

Instrument :

MSVOA_N

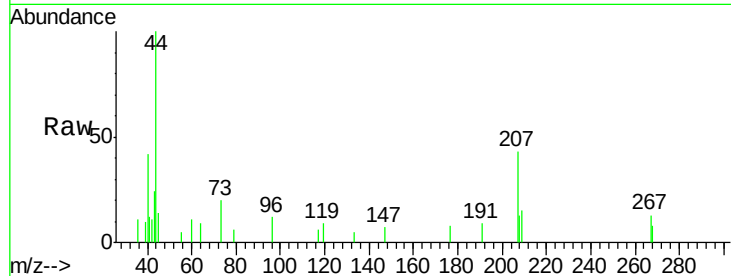
ClientSampleId :

Tot Ion:117 Resp: 67

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

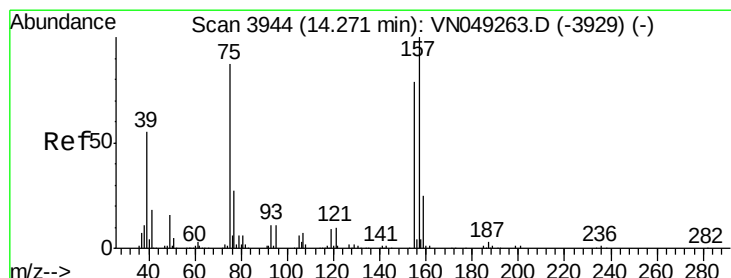
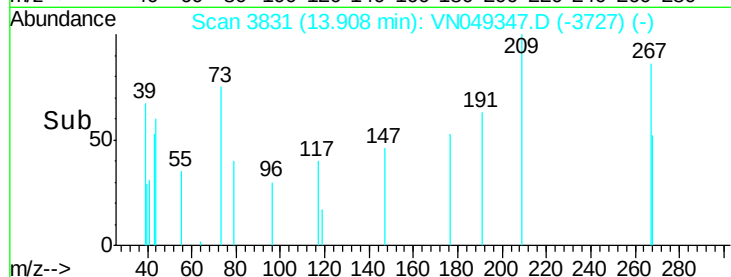
150

100

50

0

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.36 ug/l

RT: 14.26 min Scan# 3939

Delta R.T. -0.02 min

Lab File: VN049347.D

Acq: 18 Jun 2018 16:56

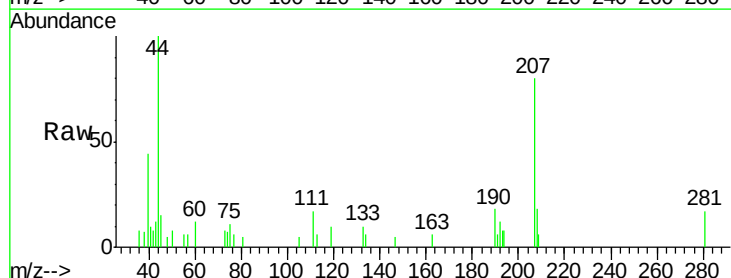
Tgt Ion: 75 Resp: 601

Ion Ratio Lower Upper

75 100

155 0.0 38.8 116.3#

157 10.6 51.0 153.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

400

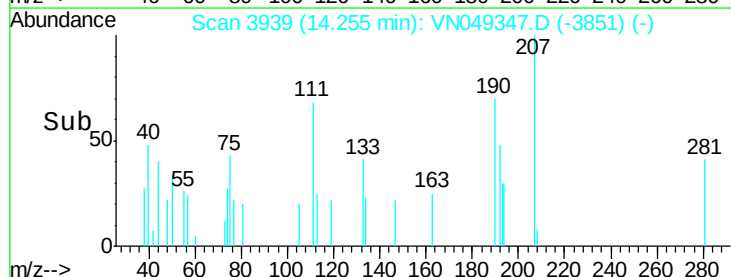
300

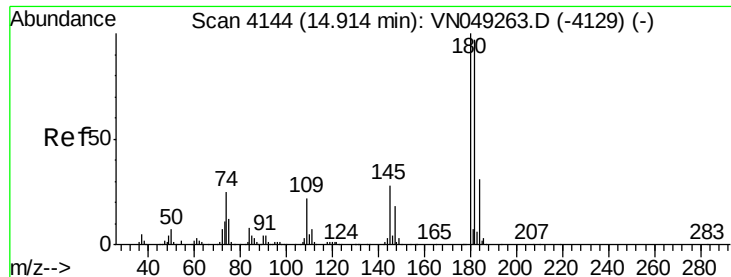
200

100

0

Time-->

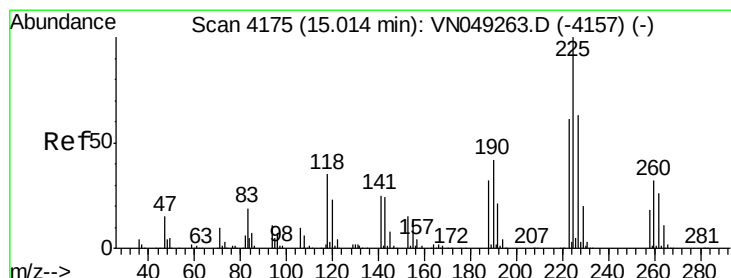
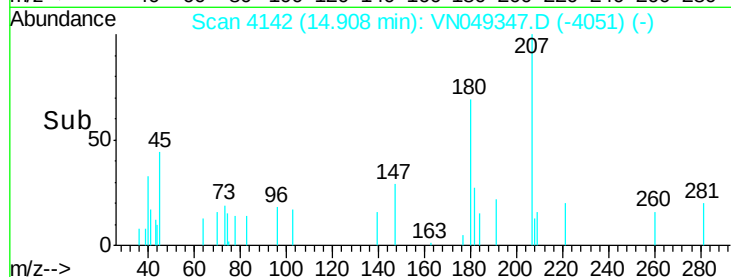
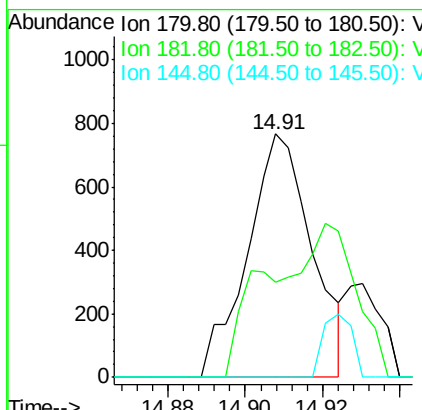
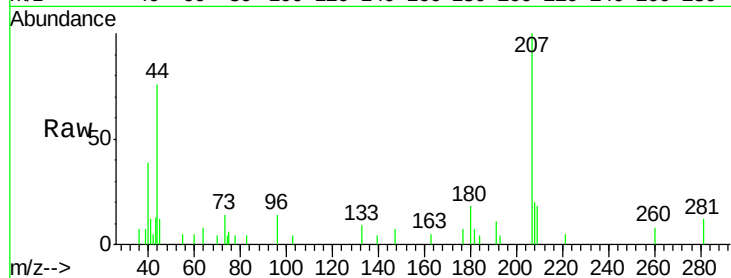




#93
 1,2,4-Trichlorobenzene
 Concen: 4.83 ua/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.01 min
 Lab File: VN049347.D
 Acq: 18 Jun 2018 16:56

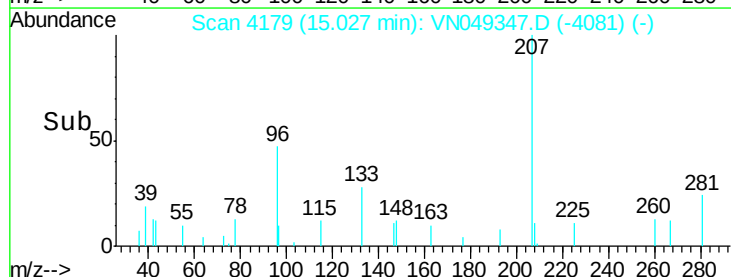
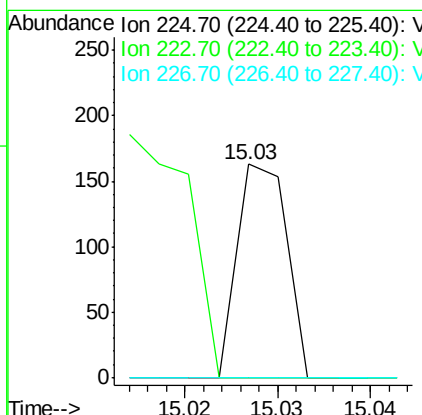
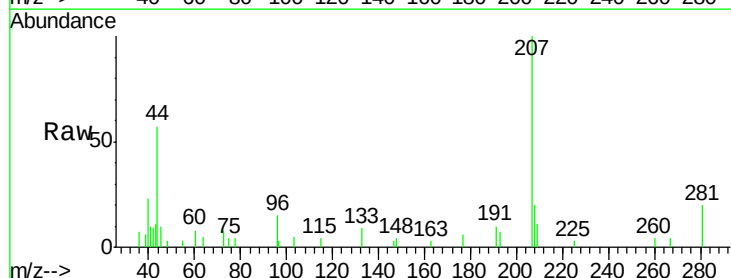
Instrument :
 MSVOA_N
 ClientSampleId :

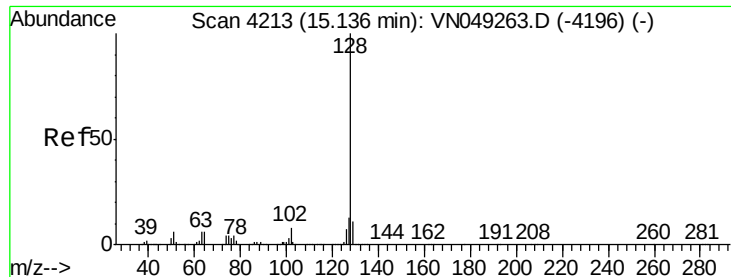
Tot Ion:180 Resp: 887
 Ion Ratio Lower Upper
 180 100
 182 25.6 46.9 140.8#
 145 0.0 14.7 44.1#



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.03 min Scan# 4179
 Delta R.T. 0.01 min
 Lab File: VN049347.D
 Acq: 18 Jun 2018 16:56

Tgt Ion:225 Resp: 61
 Ion Ratio Lower Upper
 225 100
 223 280.3 32.1 96.3#
 227 0.0 31.8 95.3#

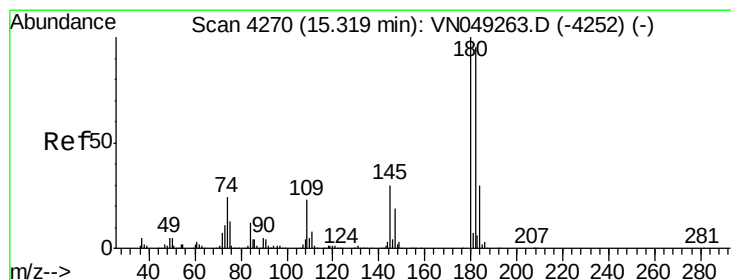
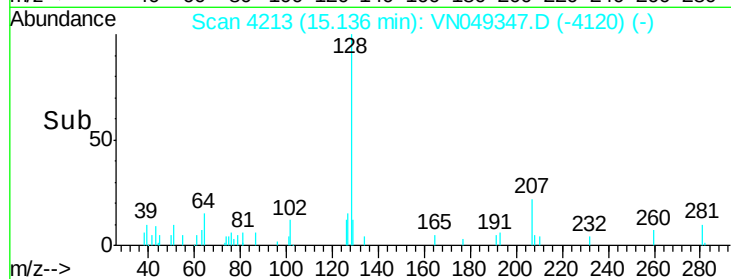
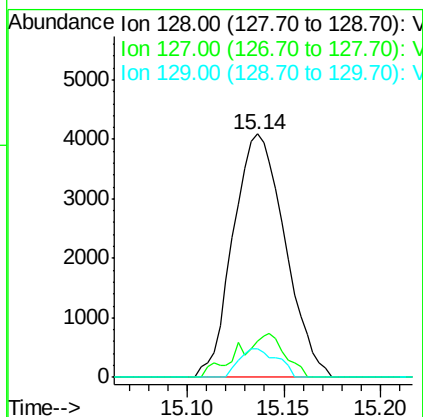
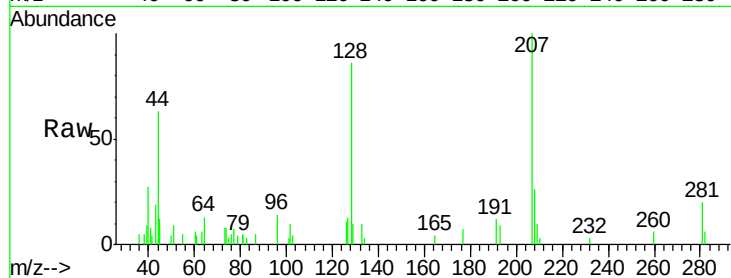




#95
Naphthalene
Concen: 2.59 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049347.D
Acq: 18 Jun 2018 16:56

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 7601
Ion Ratio Lower Upper
128 100
127 16.2 10.6 16.0#
129 8.6 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 3.57 ug/l
RT: 15.32 min Scan# 4271
Delta R.T. 0.00 min
Lab File: VN049347.D
Acq: 18 Jun 2018 16:56

Tgt Ion:180 Resp: 1111
Ion Ratio Lower Upper
180 100
182 21.1 47.3 141.8#
145 9.4 15.6 46.7#

