

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN063018\
 Data File : VN049653.D
 Acq On : 30 Jun 2018 17:53
 Operator : MD\SY
 Sample : J3752-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 02 01:24:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:55:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1330498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2088154	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1745742	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	646822	50.00	ug/l	0.00

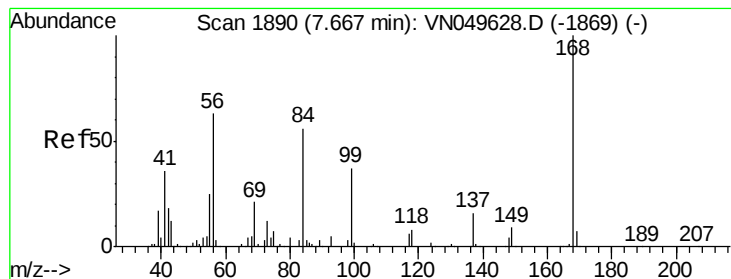
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	865623	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
35) Dibromofluoromethane	7.59	113	757202	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
50) Toluene-d8	10.09	98	2839109	46.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.92%	
62) 4-Bromofluorobenzene	12.40	95	805780	38.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.24%	

Target Compounds

						Qvalue
13) Acrolein	3.61	56	1600	1.70	ug/l #	73
16) Acetone	3.82	43	31443	0.95	ug/l	97
17) Carbon Disulfide	4.05	76	3207	Below	Cal #	75
18) Methyl Acetate	4.33	43	38857	Below	Cal	97
25) 2-Butanone	6.84	43	2586	0.44	ug/l #	89
36) 1,1-Dichloropropene	7.67	75	91063	3.88	ug/l #	49
38) Carbon Tetrachloride	7.67	117	117145	5.13	ug/l #	17
43) Isopropyl Acetate	8.23	43	65847	1.86	ug/l #	62
75) 1,1,2,2-Tetrachloroethane	12.52	83	93	Below	Cal #	25
76) 1,2,3-Trichloropropane	12.40	75	389106	37.51	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	389106	127.40	ug/l #	13
87) 1,3-Dichlorobenzene	13.28	146	696	Below	Cal #	77
88) 1,4-Dichlorobenzene	13.37	146	950	Below	Cal #	1
91) 1,2-Dichlorobenzene	13.66	146	600	Below	Cal #	72
92) 1,2-Dibromo-3-Chloropropan	14.28	75	60	Below	Cal #	1
93) 1,2,4-Trichlorobenzene	14.92	180	476	2.44	ug/l #	61
95) Naphthalene	15.15	128	1125	4.08	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.31	180	199	1.66	ug/l #	33

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049653.D

Acq: 30 Jun 2018 17:53

Instrument :

MSVOA_N

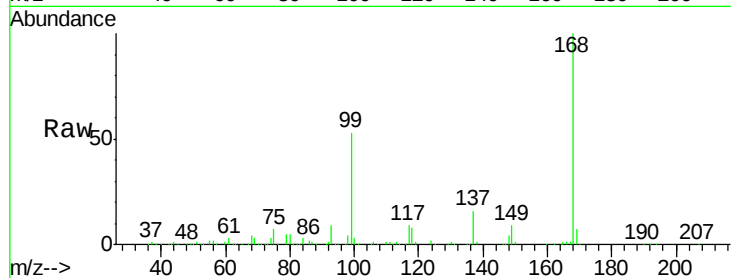
ClientSampled :

Tot Ion:168 Resp: 1330498

Ion Ratio Lower Upper

168 100

99 52.6 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): VN049628.D (-1869) (-)

Ion 98.90 (98.60 to 99.60): VN049628.D (-1869) (-)

7.67

600000

500000

400000

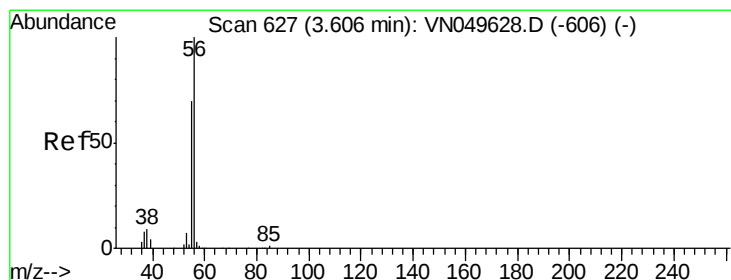
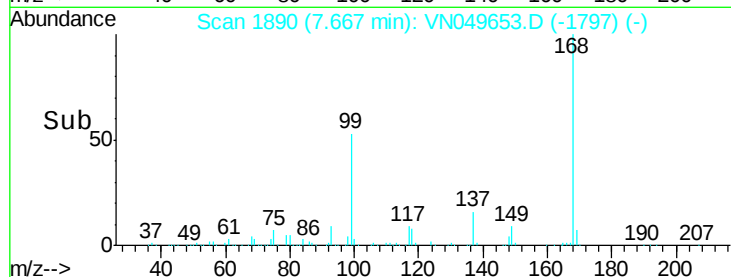
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#13

Acrolein

Concen: 1.70 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN049653.D

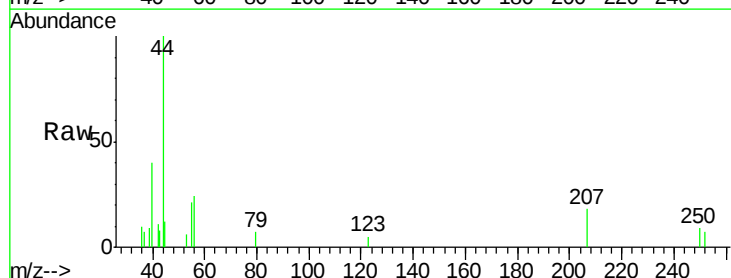
Acq: 30 Jun 2018 17:53

Tgt Ion: 56 Resp: 1600

Ion Ratio Lower Upper

56 100

55 92.3 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VN049628.D (-606) (-)

Ion 55.00 (54.70 to 55.70): VN049628.D (-606) (-)

3.61

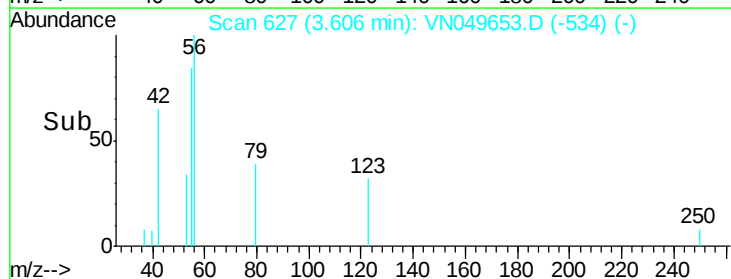
600

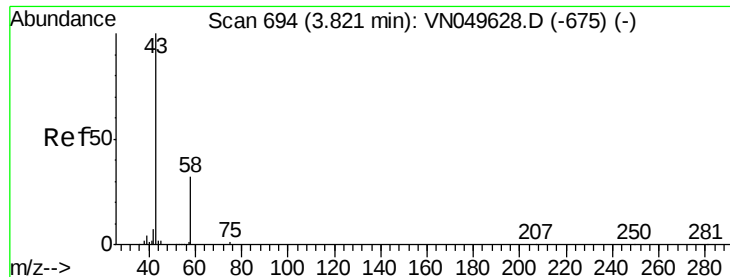
400

200

0

Time--> 3.55 3.60 3.65





#16

Acetone

Concen: 0.95 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049653.D

Acq: 30 Jun 2018 17:53

Instrument :

MSVOA_N

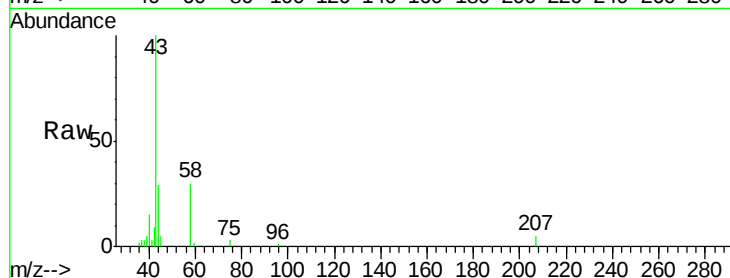
ClientSampled :

Tot Ion: 43 Resp: 31443

Ion Ratio Lower Upper

43 100

58 30.8 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN049628.D (-675) (-)

Ion 58.00 (57.70 to 58.70): VN049628.D (-675) (-)

12000

10000

8000

6000

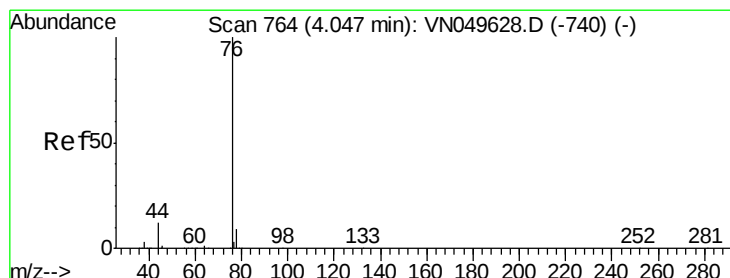
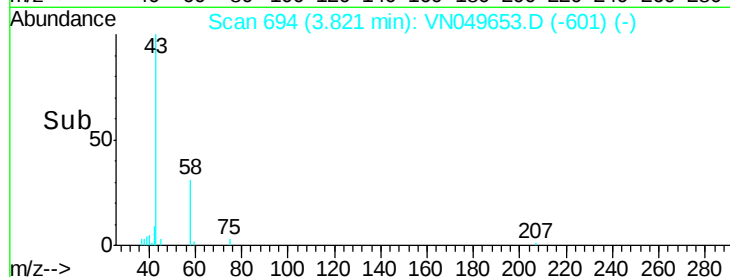
4000

2000

0

3.70 3.80 3.90

Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.05 min Scan# 764

Delta R.T. 0.00 min

Lab File: VN049653.D

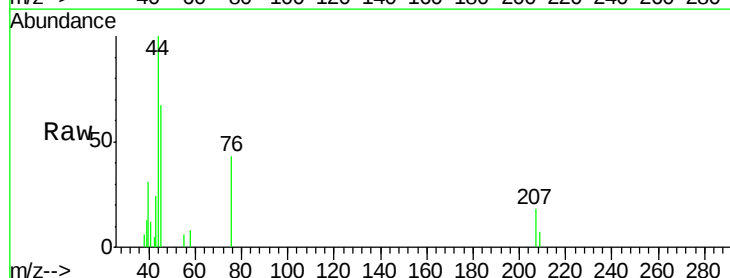
Acq: 30 Jun 2018 17:53

Tgt Ion: 76 Resp: 3207

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VN049628.D (-740) (-)

Ion 77.90 (77.60 to 78.60): VN049628.D (-740) (-)

1500

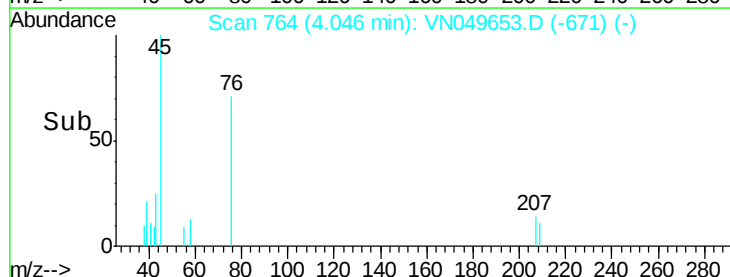
1000

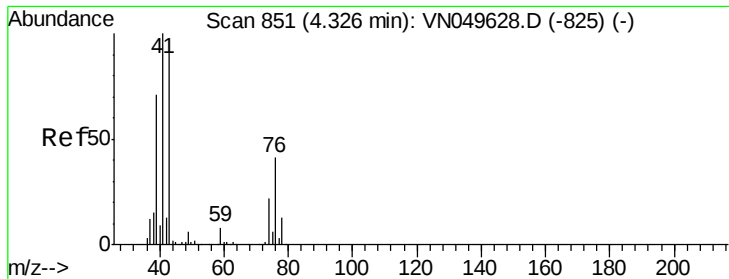
500

0

4.00 4.05 4.10

Time-->





#18

Methyl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 853

Delta R.T. 0.01 min

Lab File: VN049653.D

Acq: 30 Jun 2018 17:53

Instrument :

MSVOA_N

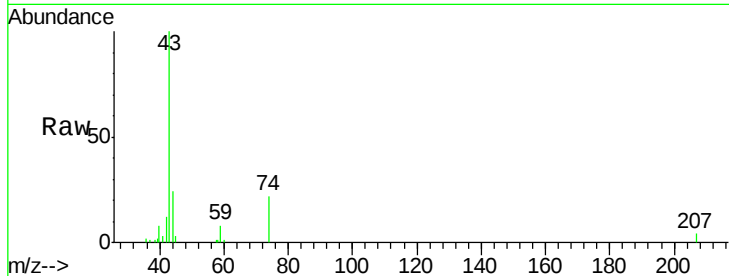
ClientSampled :

Tot Ion: 43 Resp: 38857

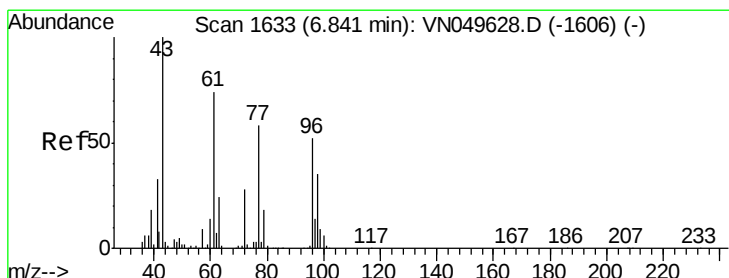
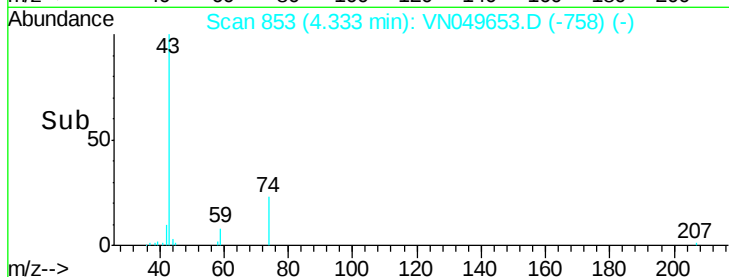
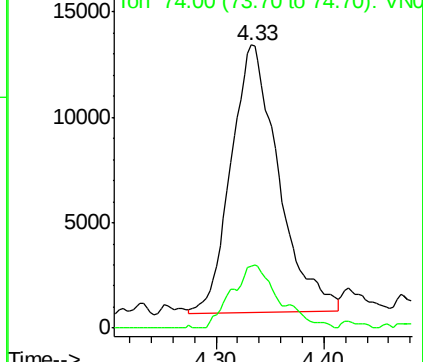
Ion Ratio Lower Upper

43 100

74 23.5 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN049628.D (-825) (-)



#25

2-Butanone

Concen: 0.44 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. -0.00 min

Lab File: VN049653.D

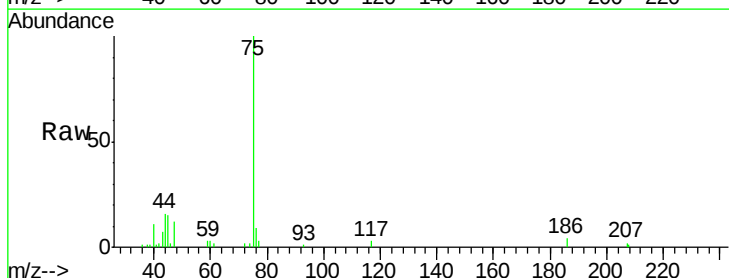
Acq: 30 Jun 2018 17:53

Tgt Ion: 43 Resp: 2586

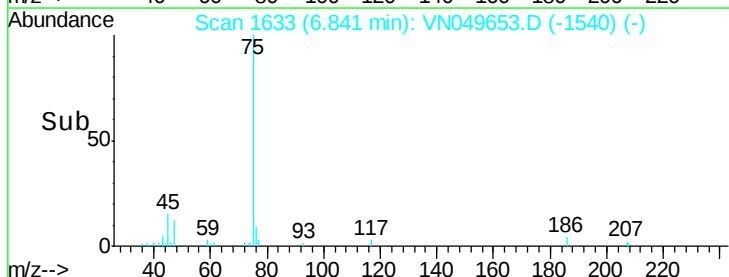
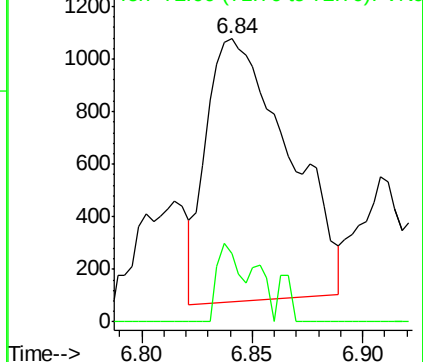
Ion Ratio Lower Upper

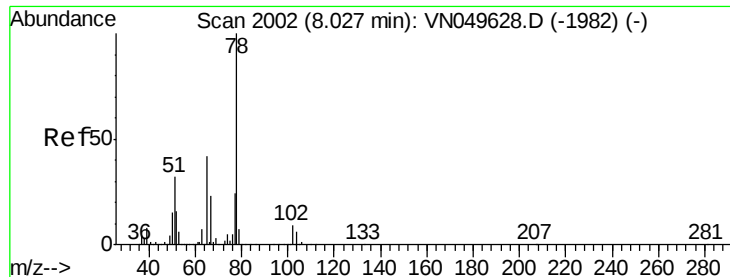
43 100

72 33.1 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VN049628.D (-1606) (-)

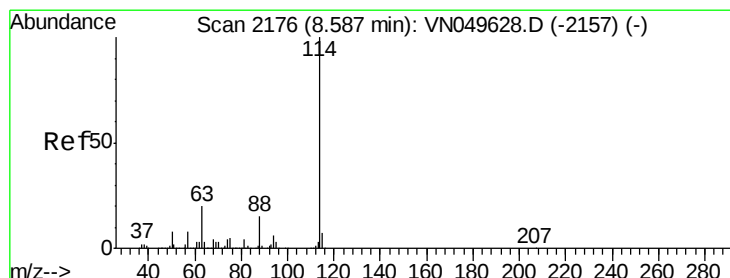
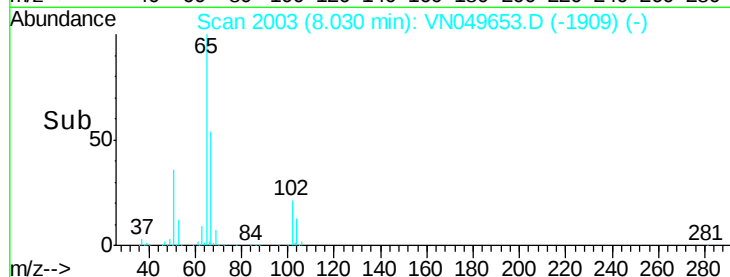
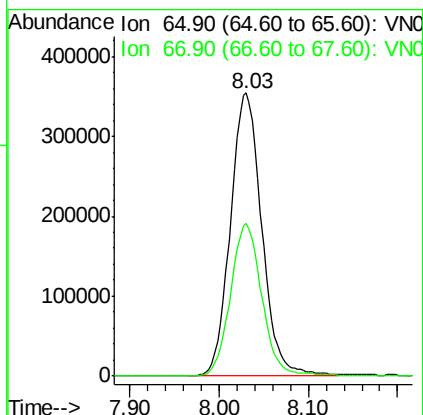
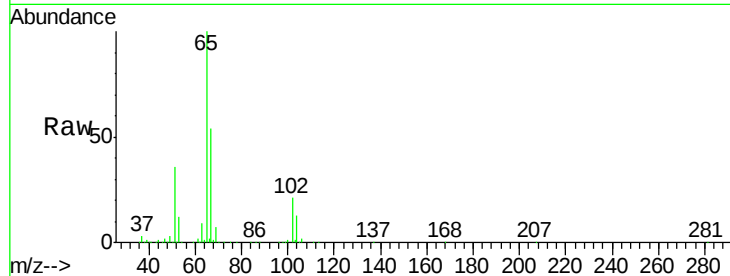




#33
 1,2-Dichloroethane-d4
 Concen: 49.27 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049653.D
 Acq: 30 Jun 2018 17:53

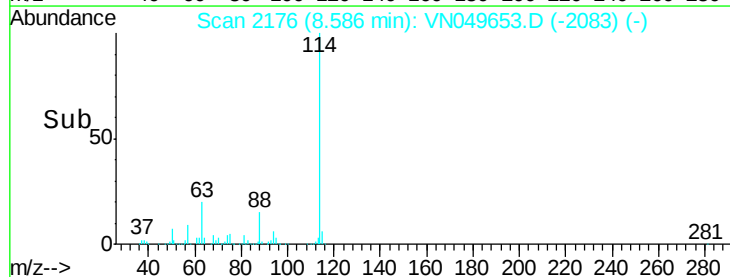
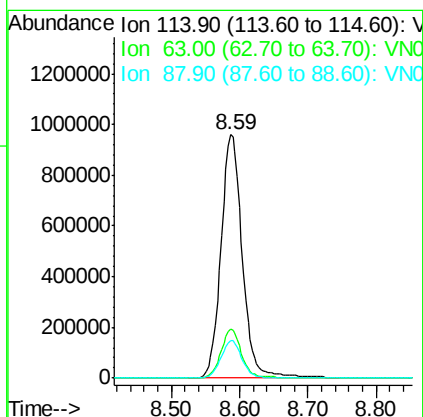
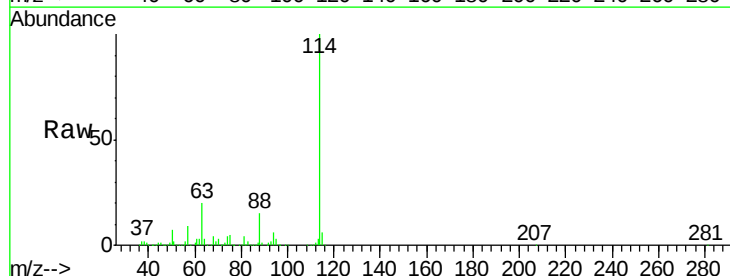
Instrument :
 MSVOA_N
 ClientSampleId :

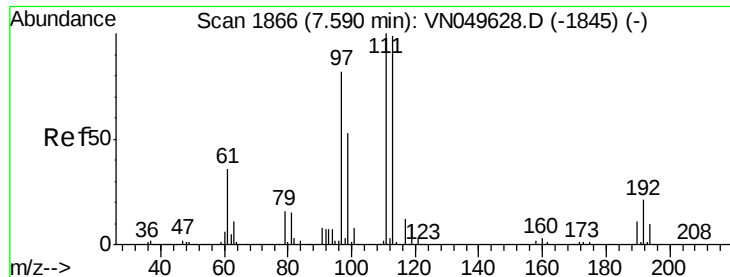
Tot Ion: 65 Resp: 865623
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049653.D
 Acq: 30 Jun 2018 17:53

Tgt Ion: 114 Resp: 2088154
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.8
 88 15.2 0.0 30.6

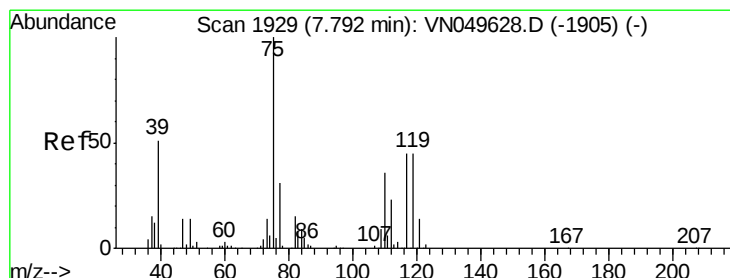
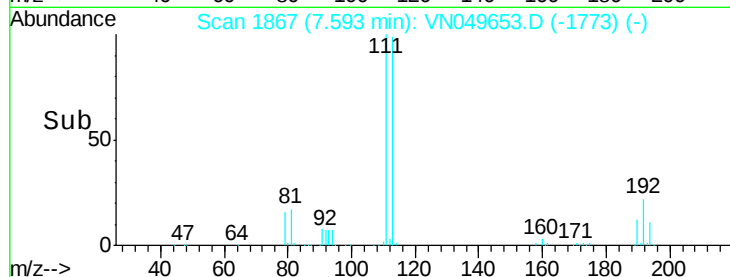
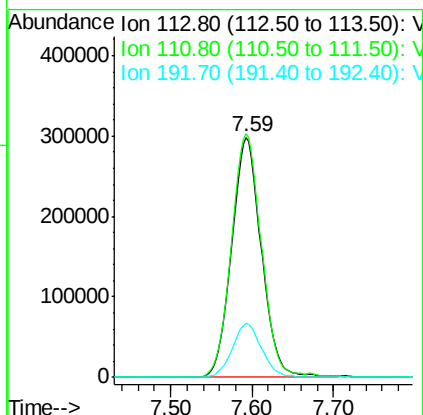
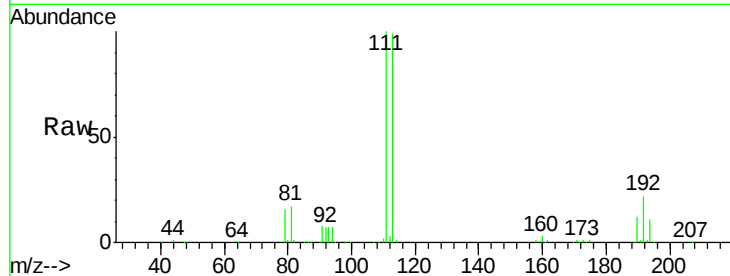




#35
 Dibromofluoromethane
 Concen: 48.50 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049653.D
 Acq: 30 Jun 2018 17:53

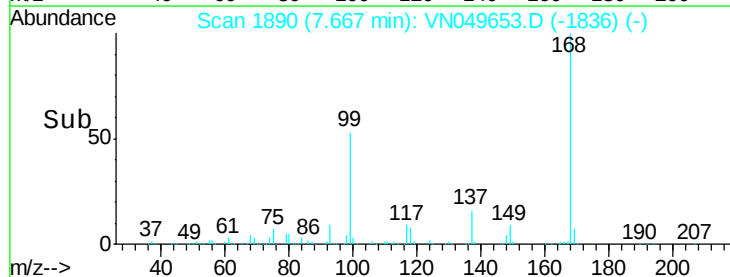
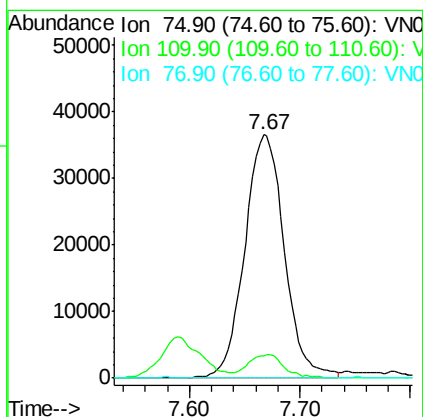
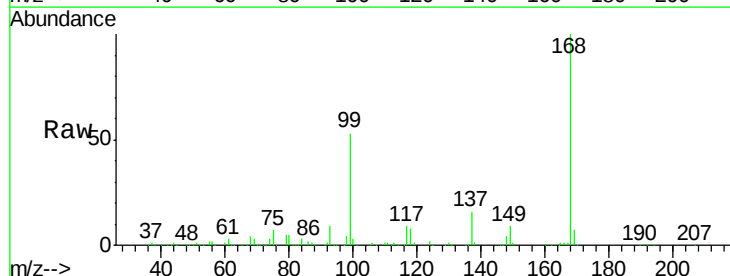
Instrument :
 MSVOA_N
 ClientSampleId :

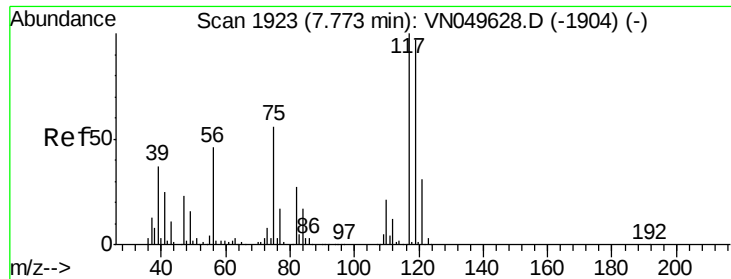
Tot Ion:113 Resp: 757202
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.8 122.8
 192 22.1 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.88 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049653.D
 Acq: 30 Jun 2018 17:53

Tgt Ion: 75 Resp: 91063
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.1 54.4#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 5.13 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049653.D

Acq: 30 Jun 2018 17:53

Instrument :

MSVOA_N

ClientSampleId :

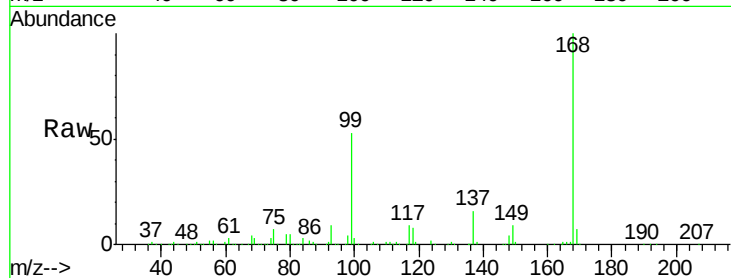
Tot Ion:117 Resp: 117145

Ion Ratio Lower Upper

117 100

119 6.5 77.2 115.8#

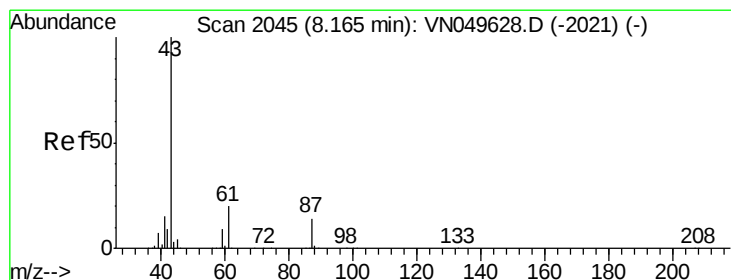
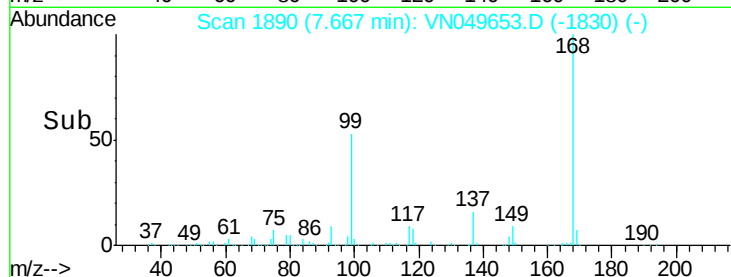
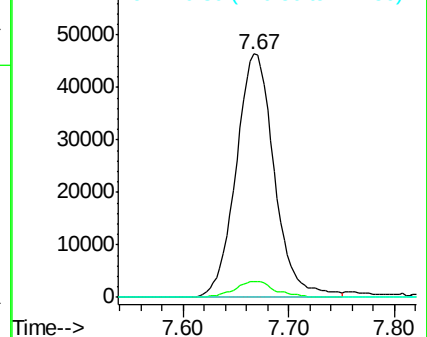
121 0.0 25.0 37.6#



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: 1.86 ug/l

RT: 8.23 min Scan# 2066

Delta R.T. 0.07 min

Lab File: VN049653.D

Acq: 30 Jun 2018 17:53

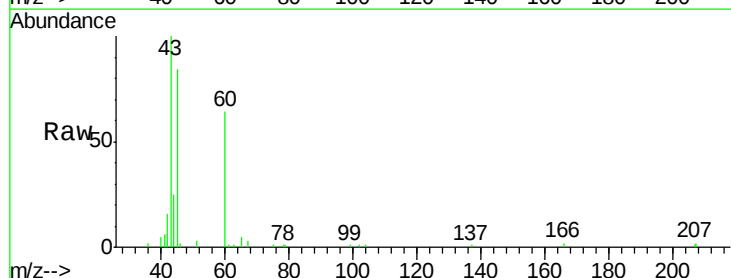
Tgt Ion: 43 Resp: 65847

Ion Ratio Lower Upper

43 100

61 0.0 14.9 22.3#

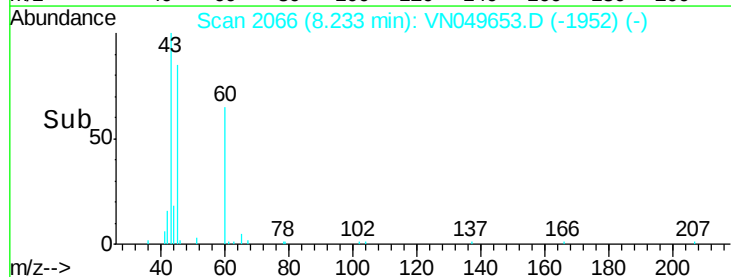
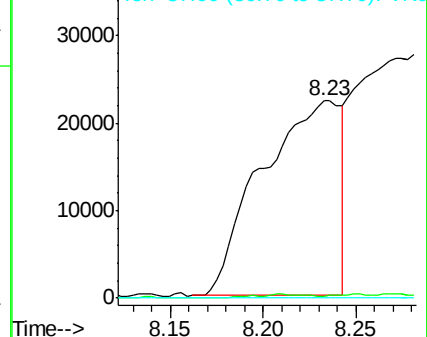
87 0.0 10.0 15.0#

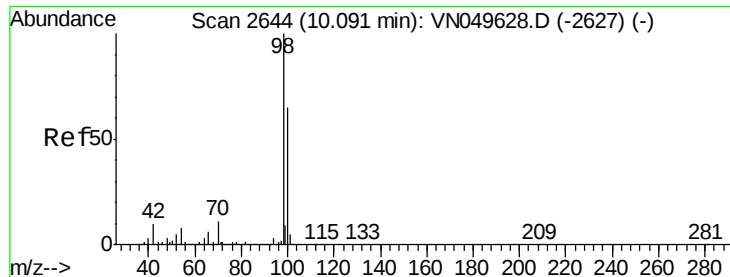


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

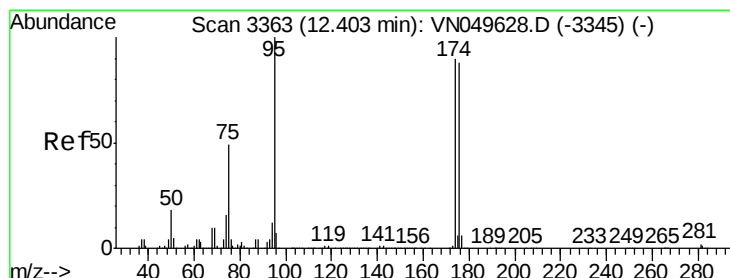
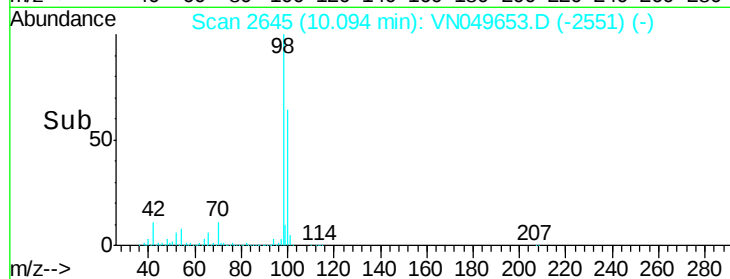
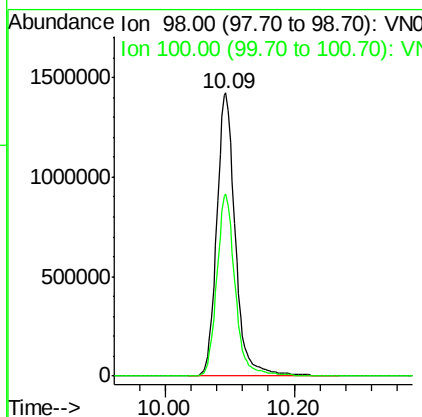
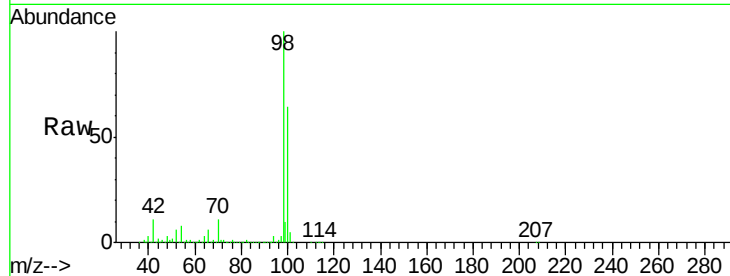




#50
Toluene-d8
Concen: 46.46 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049653.D
Acq: 30 Jun 2018 17:53

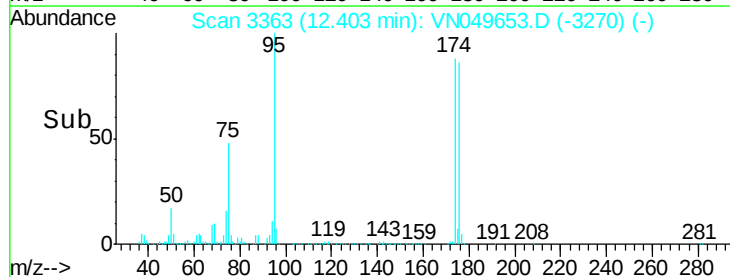
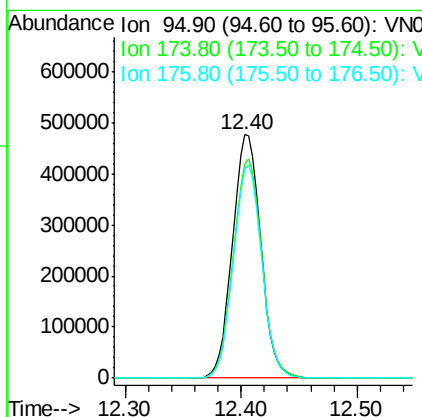
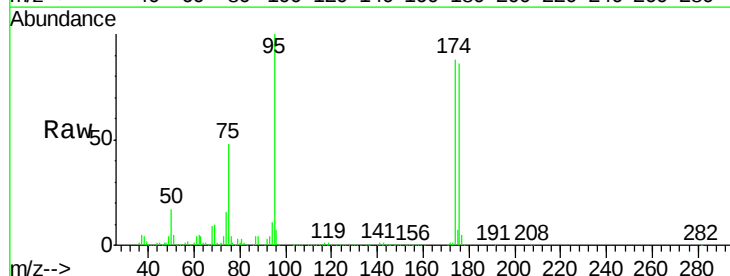
Instrument :
MSVOA_N
ClientSampled :

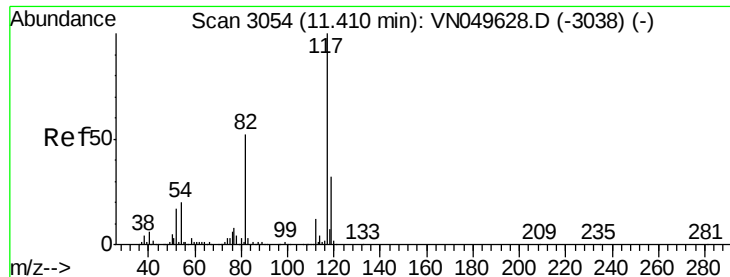
Tot Ion: 98 Resp: 2839109
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 38.62 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN049653.D
Acq: 30 Jun 2018 17:53

Tgt Ion: 95 Resp: 805780
Ion Ratio Lower Upper
95 100
174 90.9 0.0 179.6
176 87.4 0.0 174.0





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN049653.D

Acq: 30 Jun 2018 17:53

Instrument :

MSVOA_N

ClientSampled :

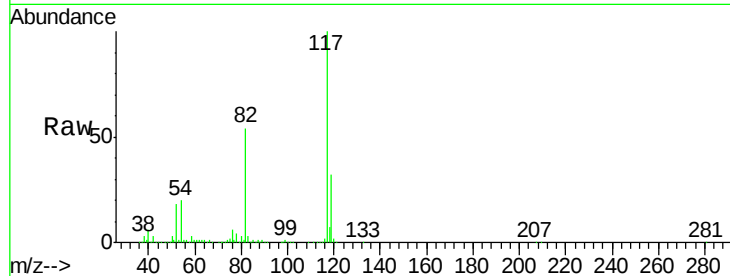
Tot Ion:117 Resp: 1745742

Ion Ratio Lower Upper

117 100

82 53.8 41.9 62.9

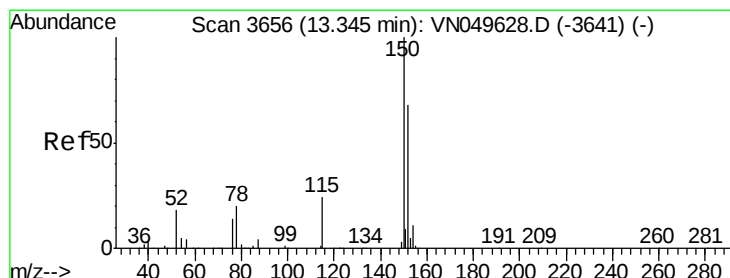
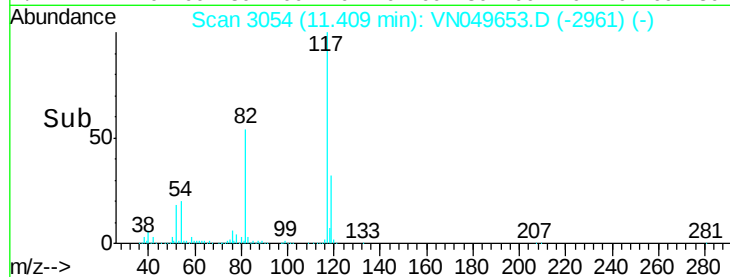
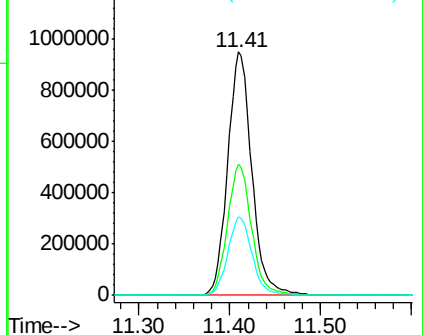
119 32.0 25.4 38.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049653.D

Acq: 30 Jun 2018 17:53

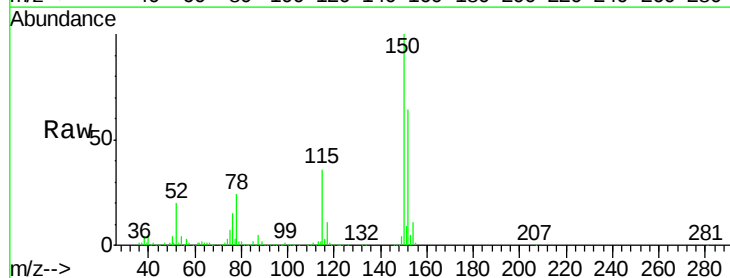
Tgt Ion:152 Resp: 646822

Ion Ratio Lower Upper

152 100

115 55.7 28.1 84.2

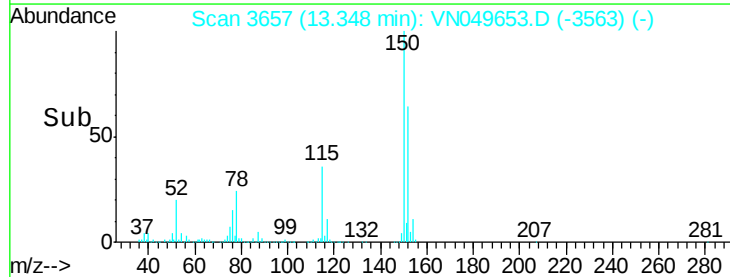
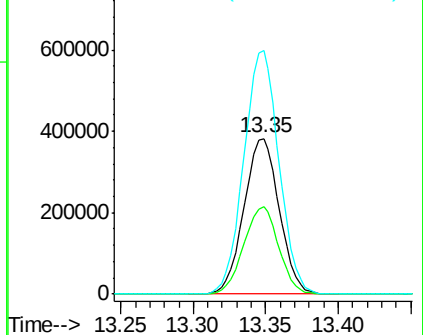
150 156.0 0.0 347.6

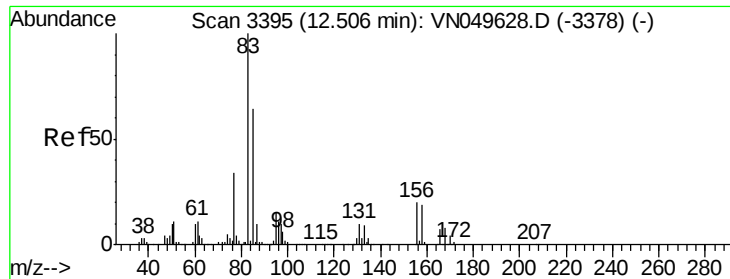


Abundance Ion 151.90 (151.60 to 152.60): V

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: 12.52 min Scan# 3400

Delta R.T. 0.02 min

Lab File: VN049653.D

Acq: 30 Jun 2018 17:53

Instrument :

MSVOA_N

ClientSampleId :

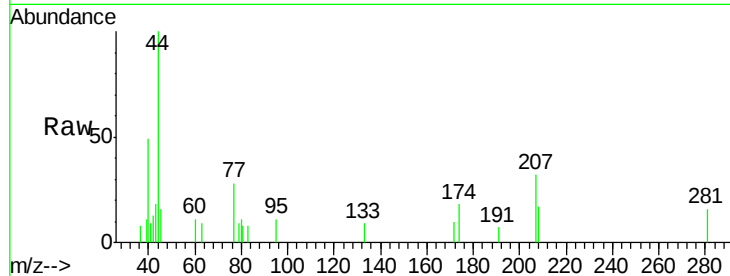
Tot Ion: 83 Resp: 93

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

85 0.0 32.5 97.4#

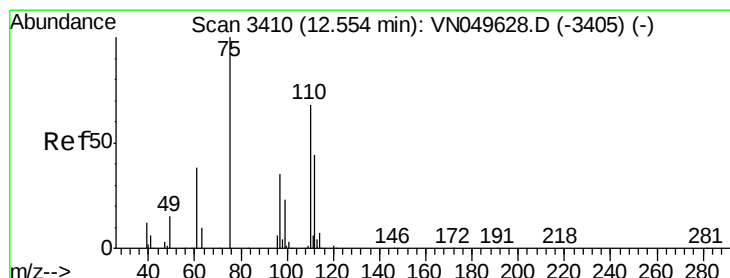
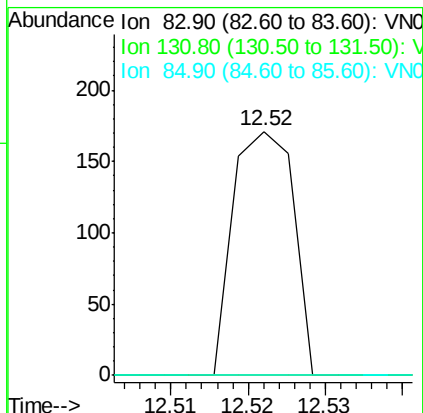
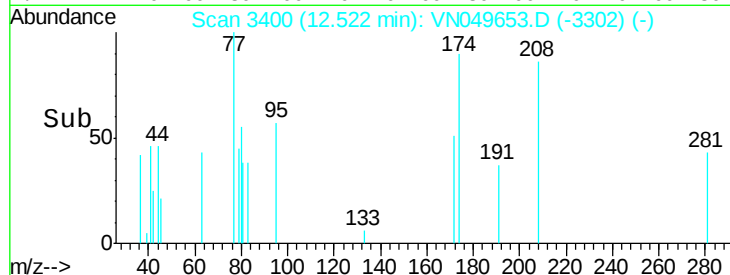


Abundance Ion 82.90 (82.60 to 83.60): VN049653.D (-3302) (-)

Ion 130.80 (130.50 to 131.50): VN049653.D (-3302) (-)

Ion 84.90 (84.60 to 85.60): VN049653.D (-3302) (-)

12.52



#76

1,2,3-Trichloropropane

Concen: 37.51 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049653.D

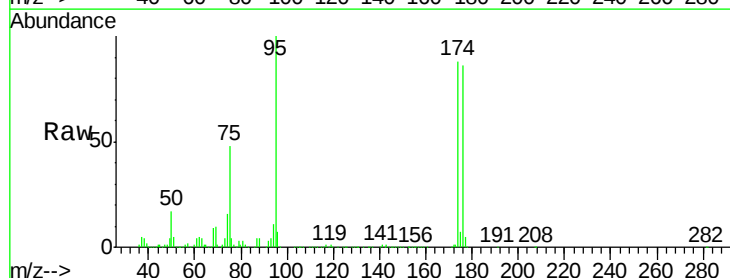
Acq: 30 Jun 2018 17:53

Tgt Ion: 75 Resp: 389106

Ion Ratio Lower Upper

75 100

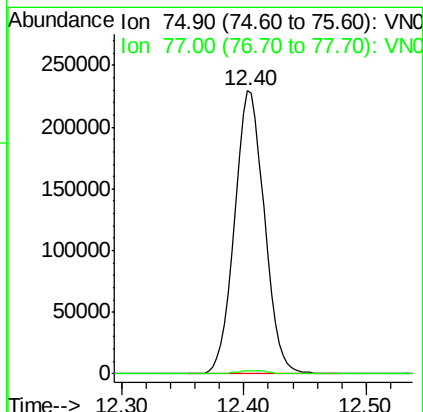
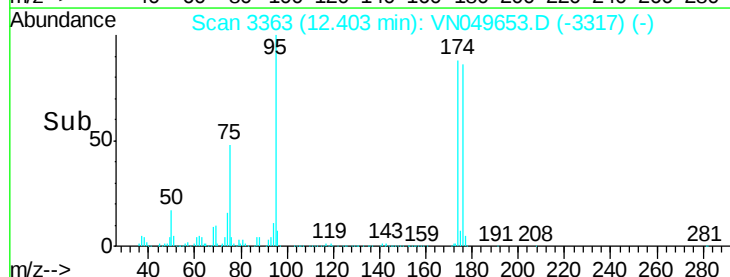
77 1.3 0.0 0.0#

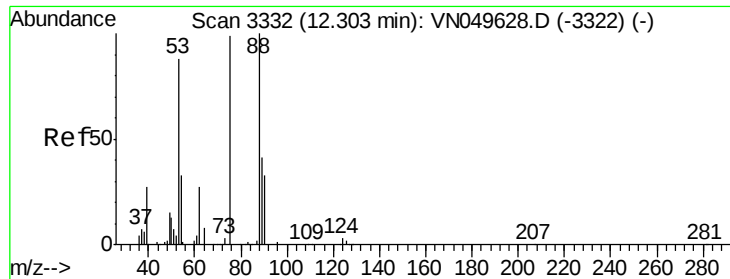


Abundance Ion 74.90 (74.60 to 75.60): VN049653.D (-3317) (-)

Ion 77.00 (76.70 to 77.70): VN049653.D (-3317) (-)

12.40

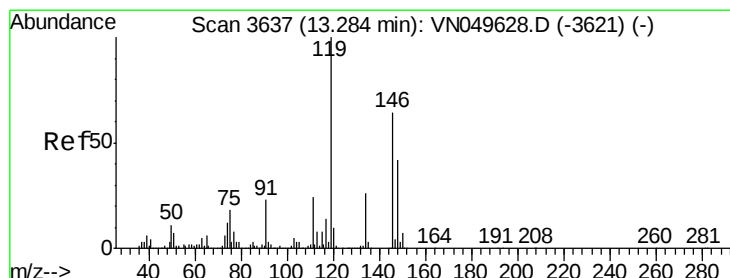
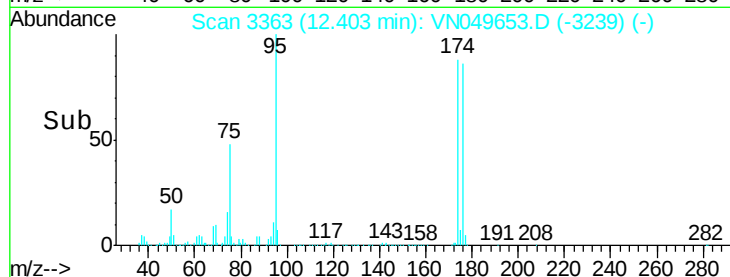
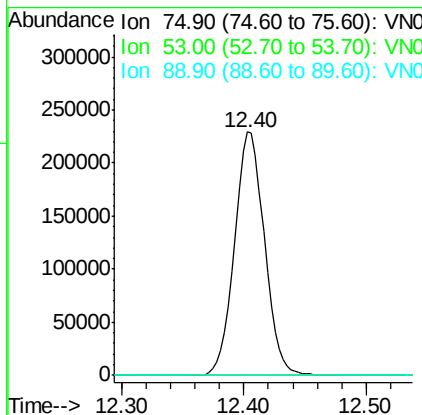
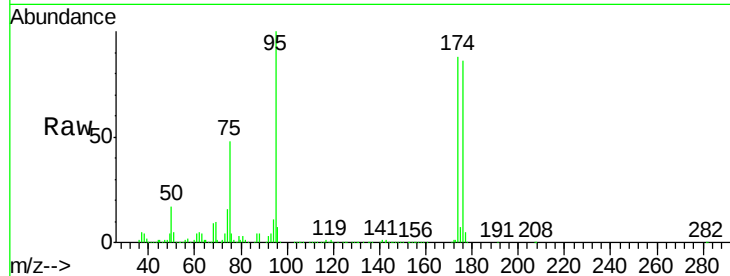




#81
trans-1,4-Dichloro-2-butene
Concen: 127.40 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.10 min
Lab File: VN049653.D
Acq: 30 Jun 2018 17:53

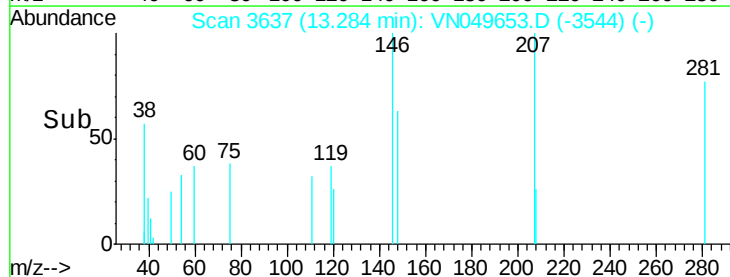
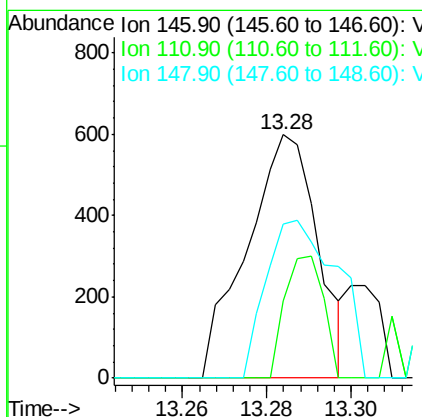
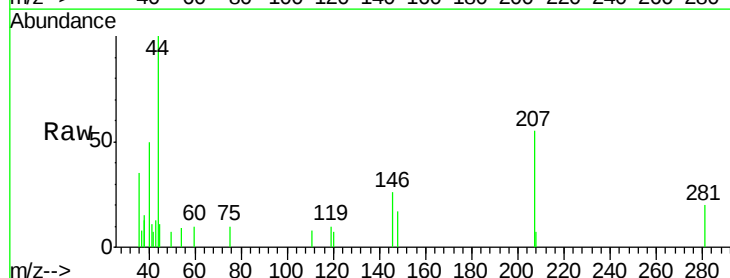
Instrument :
MSVOA_N
ClientSampleId :

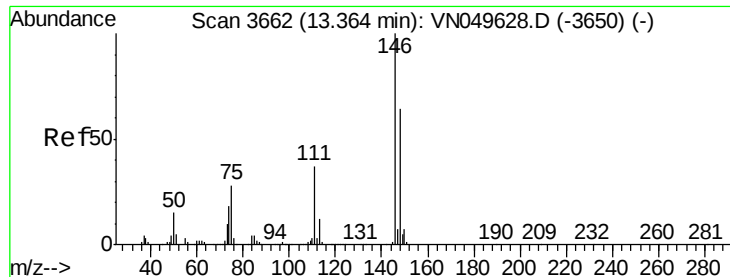
Tot Ion: 75 Resp: 389106
Ion Ratio Lower Upper
75 100
53 0.1 73.9 110.9#
89 0.0 35.9 53.9#



#87
1,3-Dichlorobenzene
Concen: Below Cal
RT: 13.28 min Scan# 3637
Delta R.T. 0.00 min
Lab File: VN049653.D
Acq: 30 Jun 2018 17:53

Tgt Ion: 146 Resp: 696
Ion Ratio Lower Upper
146 100
111 0.0 19.0 57.0#
148 64.8 32.5 97.5

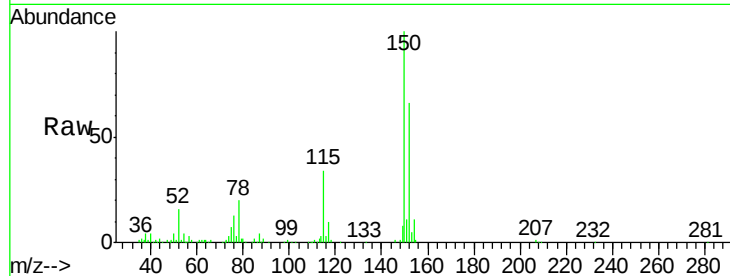




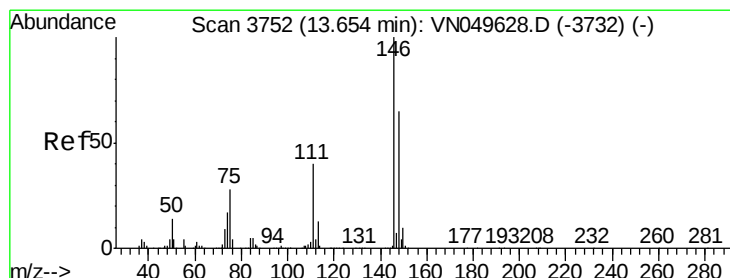
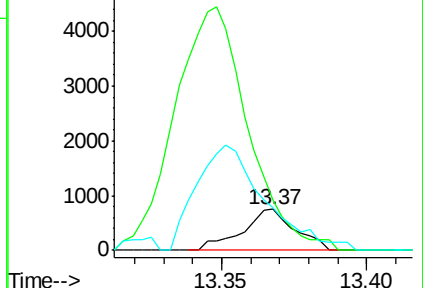
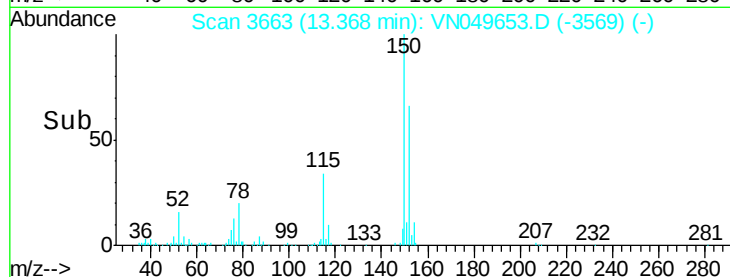
#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.37 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: VN049653.D
 Acq: 30 Jun 2018 17:53

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:146 Resp: 950
 Ion Ratio Lower Upper
 146 100
 111 826.1 18.9 56.5#
 148 335.2 32.1 96.3#

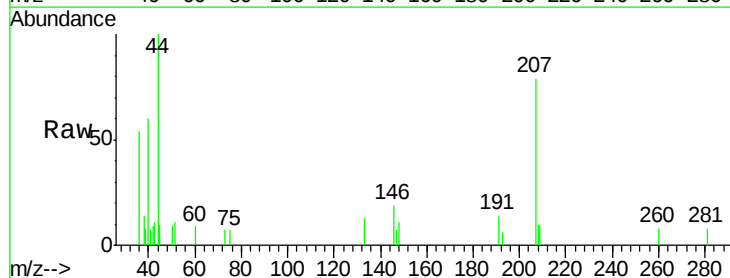


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

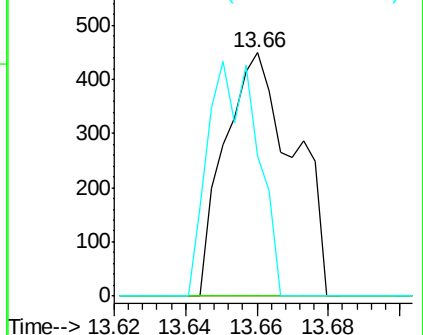
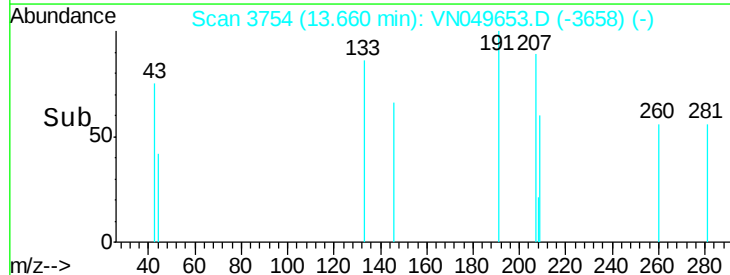


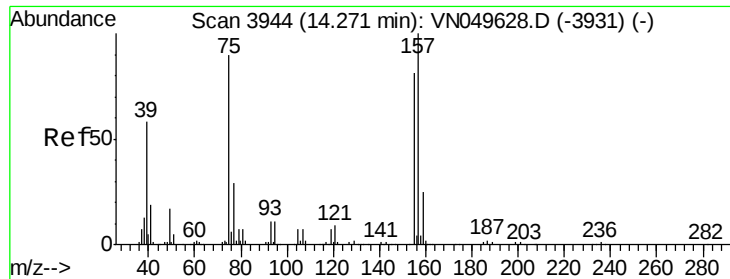
#91
 1,2-Dichlorobenzene
 Concen: Below Cal
 RT: 13.66 min Scan# 3754
 Delta R.T. 0.01 min
 Lab File: VN049653.D
 Acq: 30 Jun 2018 17:53

Tgt Ion:146 Resp: 600
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.7 59.1#
 148 69.0 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.28 min Scan# 3947

Delta R.T. 0.01 min

Lab File: VN049653.D

Acq: 30 Jun 2018 17:53

Instrument :

MSVOA_N

ClientSampleId :

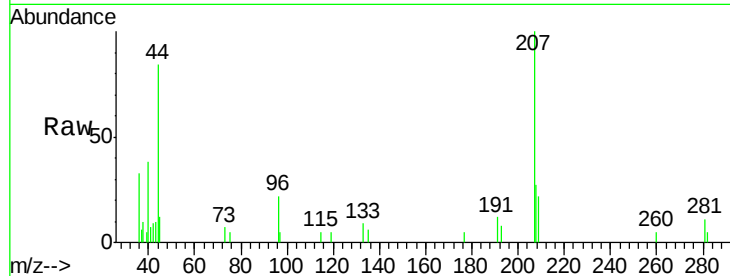
Tot Ion: 75 Resp: 60

Ion Ratio Lower Upper

75 100

155 0.0 45.7 137.1#

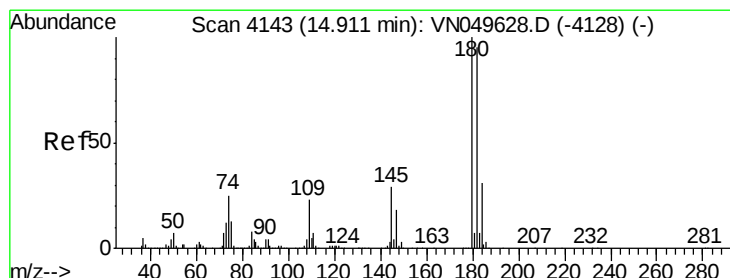
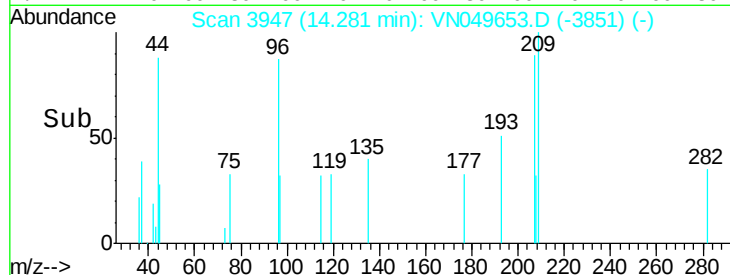
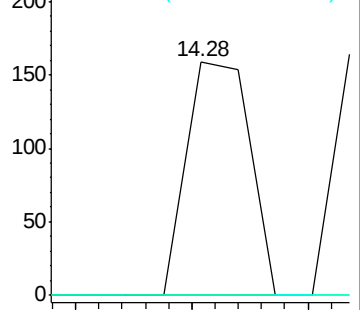
157 0.0 56.9 170.7#



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



#93

1,2,4-Trichlorobenzene

Concen: 2.44 ug/l

RT: 14.92 min Scan# 4146

Delta R.T. 0.01 min

Lab File: VN049653.D

Acq: 30 Jun 2018 17:53

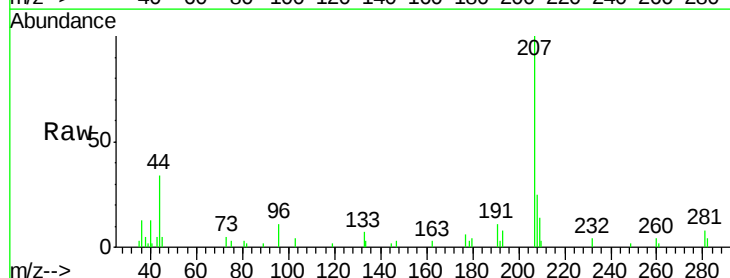
Tgt Ion: 180 Resp: 476

Ion Ratio Lower Upper

180 100

182 52.7 47.3 141.9

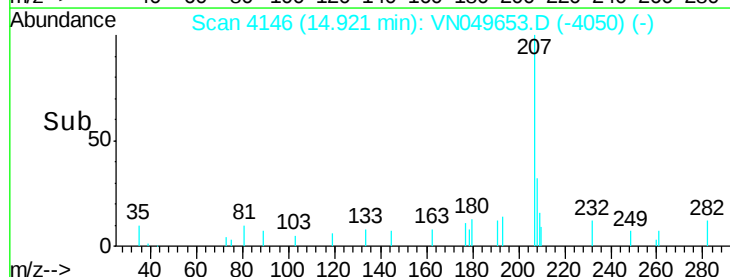
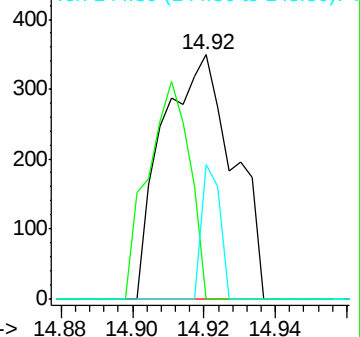
145 14.3 14.4 43.0#

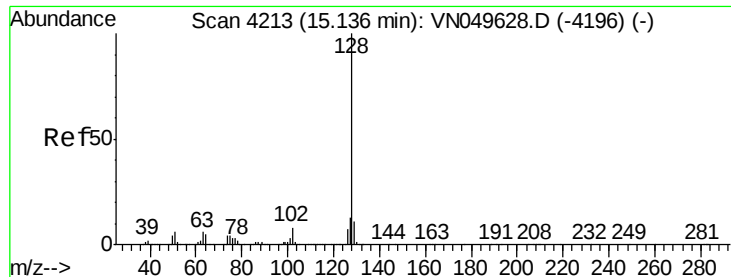


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

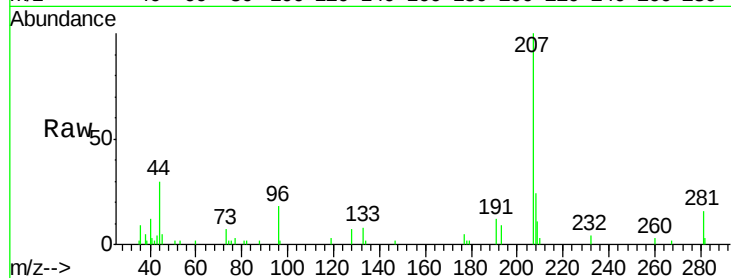




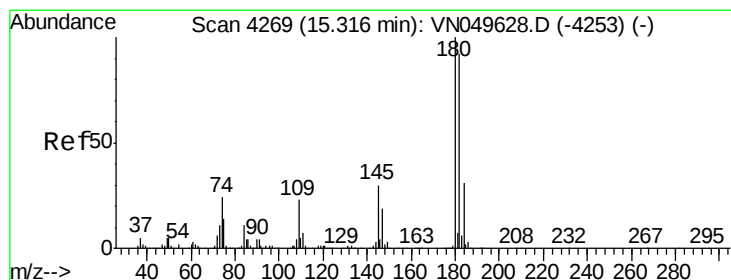
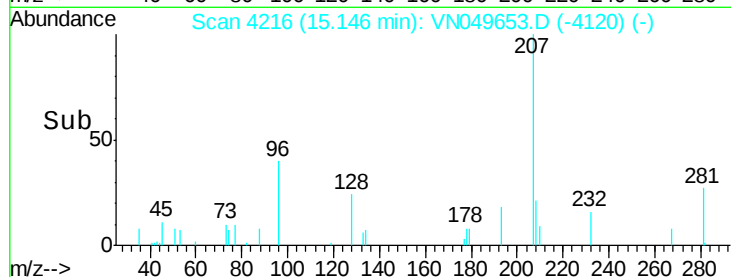
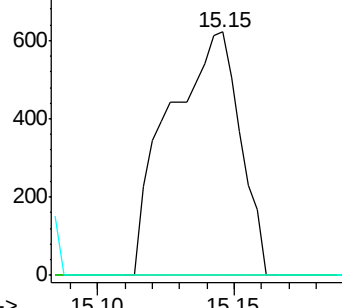
#95
Naphthalene
Concen: 4.08 ug/l
RT: 15.15 min Scan# 4216
Delta R.T. 0.01 min
Lab File: VN049653.D
Acq: 30 Jun 2018 17:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 1125
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.6 13.0#

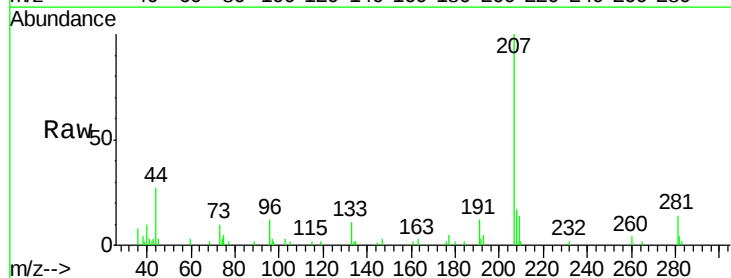


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 1.66 ug/l
RT: 15.31 min Scan# 4268
Delta R.T. -0.00 min
Lab File: VN049653.D
Acq: 30 Jun 2018 17:53

Tgt Ion:180 Resp: 199
Ion Ratio Lower Upper
180 100
182 17.6 47.4 142.2#
145 14.6 15.2 45.6#



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

