

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061918\
 Data File : VN049402.D
 Acq On : 19 Jun 2018 22:30
 Operator : MD\SY
 Sample : PB110363ZHE#14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 20 04:35:02 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	1186654	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1919808	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1549312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	437320	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	798308	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
35) Dibromofluoromethane	7.59	113	713847	45.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.92%	
50) Toluene-d8	10.09	98	2578384	43.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.20%	
62) 4-Bromofluorobenzene	12.41	95	640819	32.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	65.54%	

Target Compounds

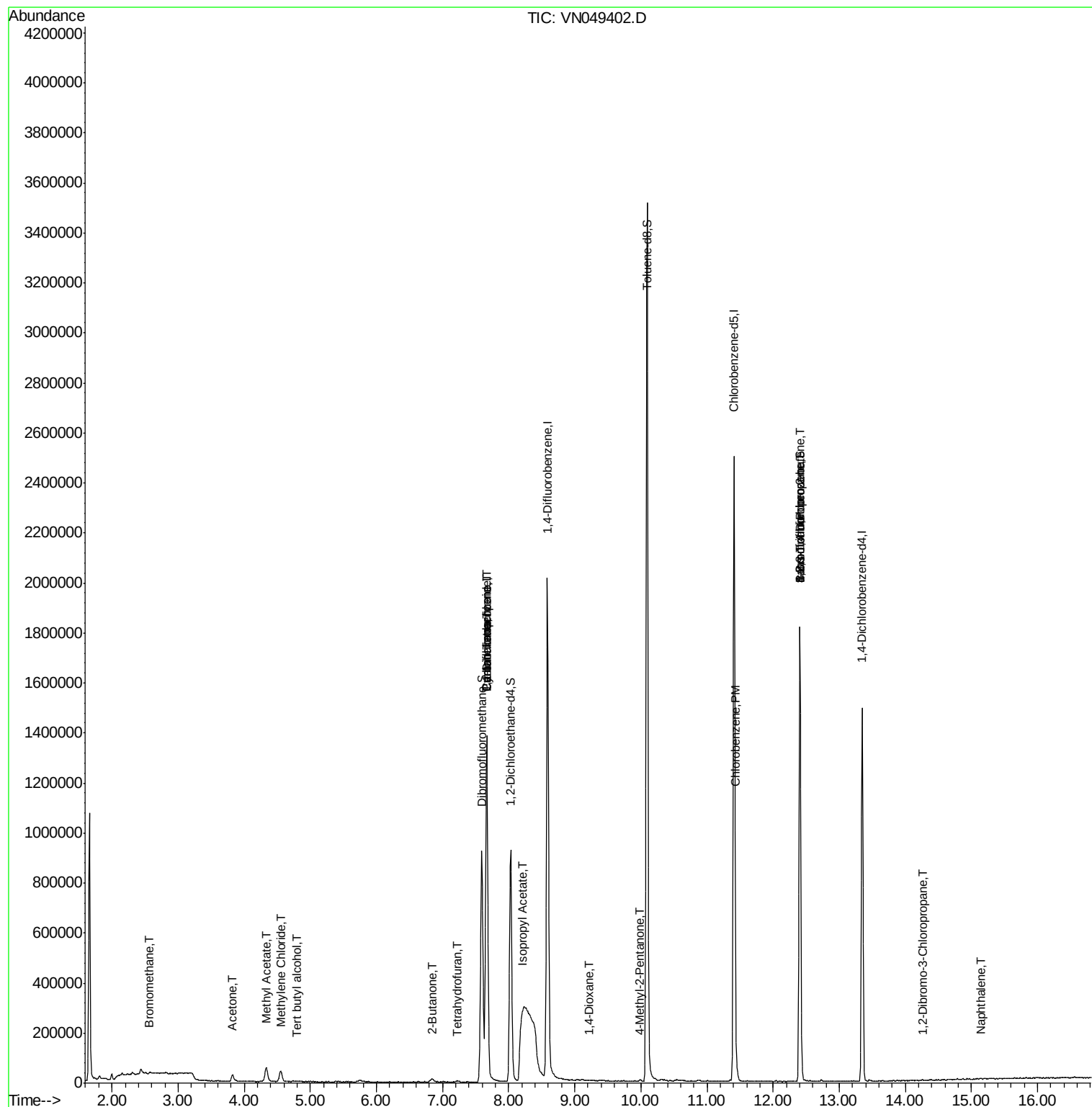
						Qvalue
5) Bromomethane	2.57	94	2865	0.29	ug/l	95
11) Tert butyl alcohol	4.80	59	491	0.53	ug/l #	70
16) Acetone	3.83	43	44495	11.64	ug/l	93
18) Methyl Acetate	4.34	43	115296	9.89	ug/l	96
20) Methylene Chloride	4.55	84	31780	1.99	ug/l #	88
25) 2-Butanone	6.85	43	7839	1.53	ug/l	94
29) Tetrahydrofuran	7.22	42	3805	1.15	ug/l #	58
31) Cyclohexane	7.67	56	22128	0.78	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	84506	3.84	ug/l #	50
38) Carbon Tetrachloride	7.67	117	105106	4.61	ug/l #	17
43) Isopropyl Acetate	8.21	43	251569	11.01	ug/l #	65
49) 1,4-Dioxane	9.21	88	123	0.83	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	4236	0.35	ug/l	96
65) Chlorobenzene	11.44	112	21955	0.55	ug/l #	88
71) Bromoform	12.40	173	4596	0.47	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.49	83	148	Below	Cal #	26
76) 1,2,3-Trichloropropane	12.41	75	309318	41.45	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	309318	131.02	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.26	75	276	0.21	ug/l #	4
95) Naphthalene	15.14	128	481	2.12	ug/l #	77

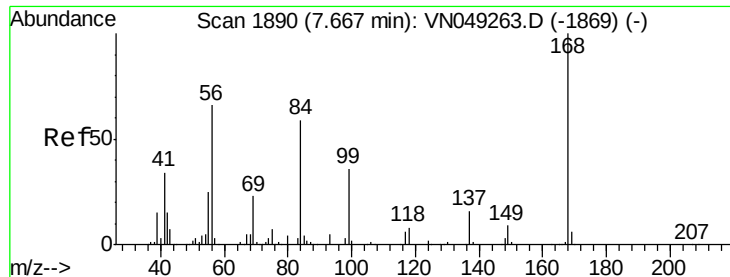
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049402.D

Acq: 19 Jun 2018 22:30

Instrument :

MSVOA_N

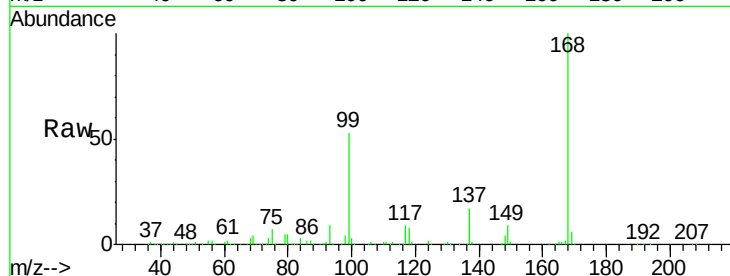
ClientSampleId :

Tot Ion:168 Resp: 1186654

Ion Ratio Lower Upper

168 100

99 52.5 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

500000

400000

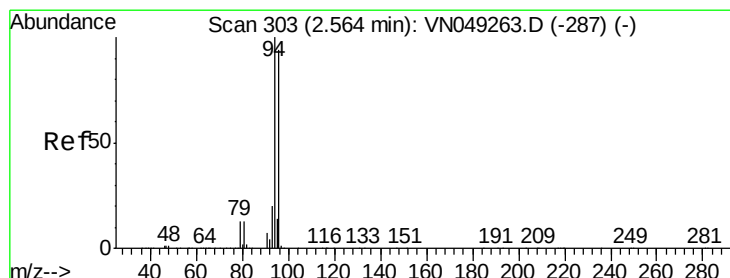
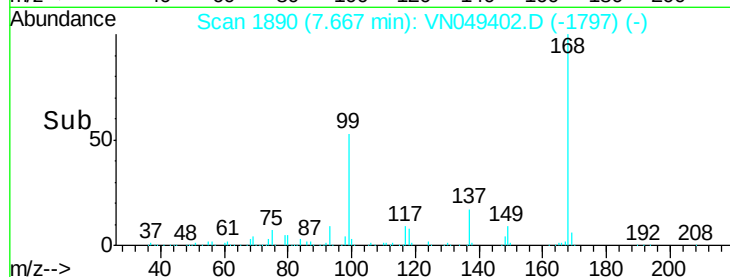
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 0.29 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN049402.D

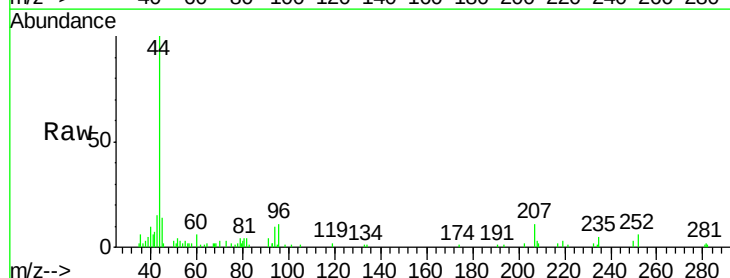
Acq: 19 Jun 2018 22:30

Tgt Ion: 94 Resp: 2865

Ion Ratio Lower Upper

94 100

96 95.4 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

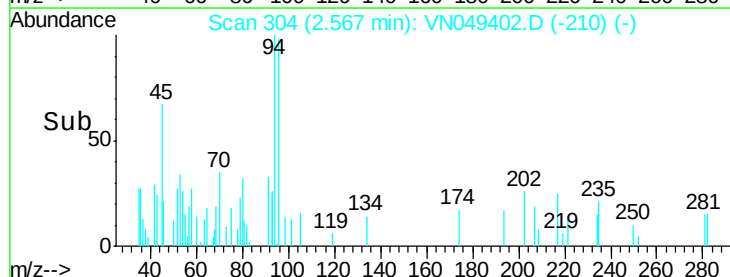
1500

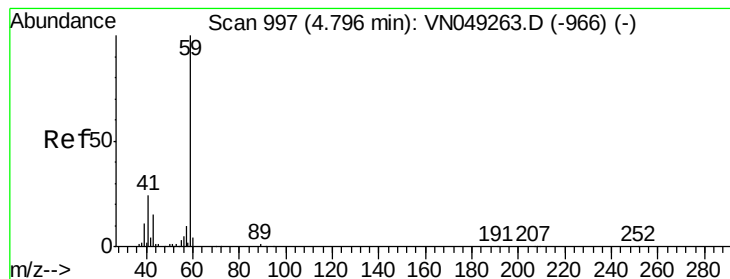
1000

500

0

Time-->





#11

Tert butyl alcohol

Concen: 0.53 ug/l

RT: 4.80 min Scan# 997

Delta R.T. -0.00 min

Lab File: VN049402.D

Acq: 19 Jun 2018 22:30

Instrument :

MSVOA_N

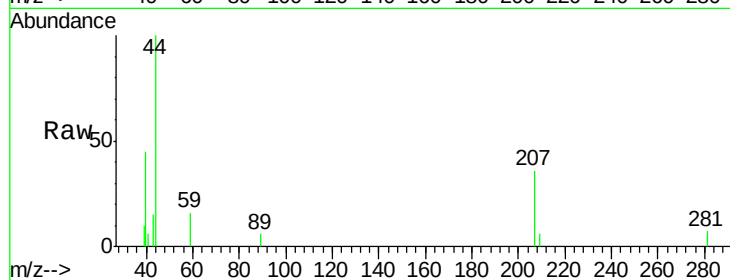
ClientSampled :

Tot Ion: 59 Resp: 491

Ion Ratio Lower Upper

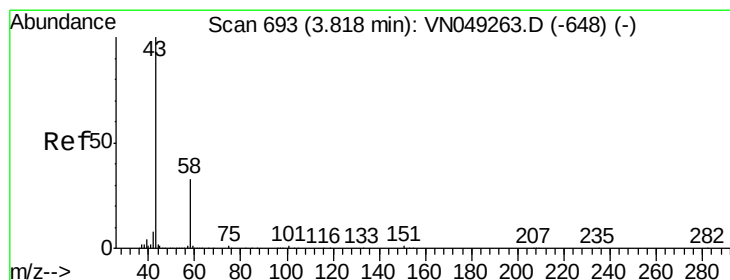
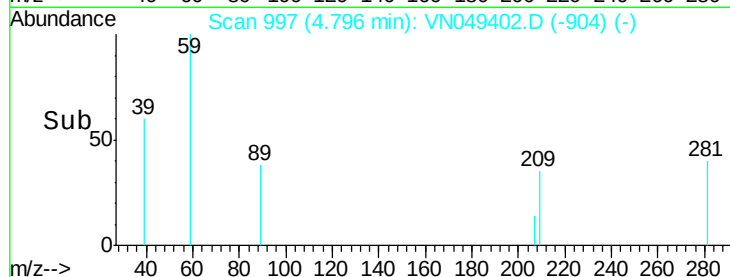
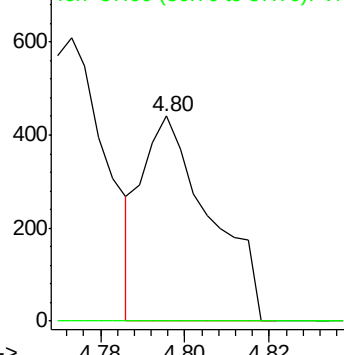
59 100

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



#16

Acetone

Concen: 11.64 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049402.D

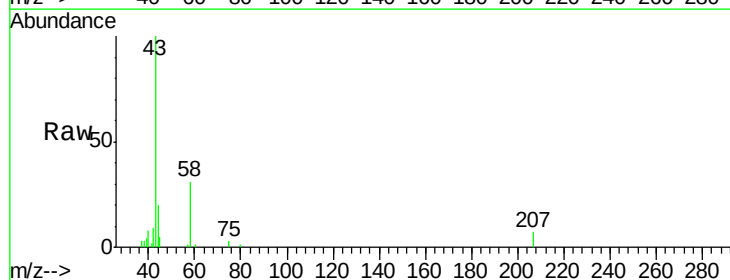
Acq: 19 Jun 2018 22:30

Tgt Ion: 43 Resp: 44495

Ion Ratio Lower Upper

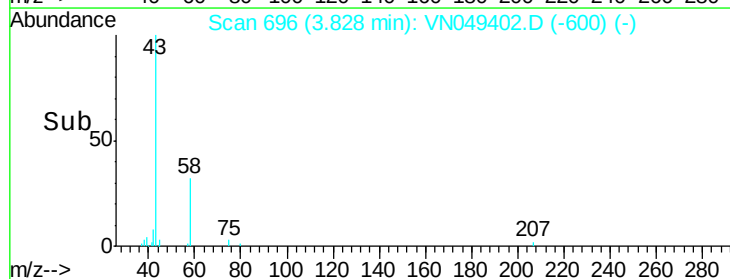
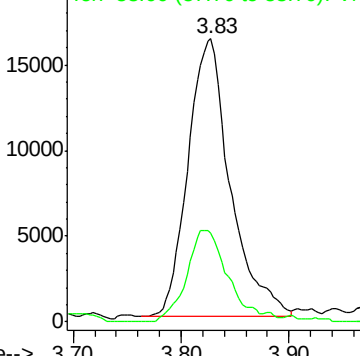
43 100

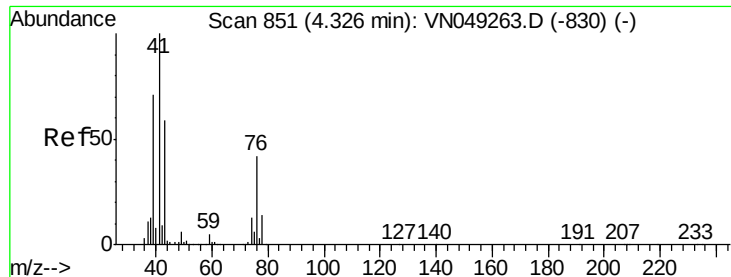
58 31.9 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

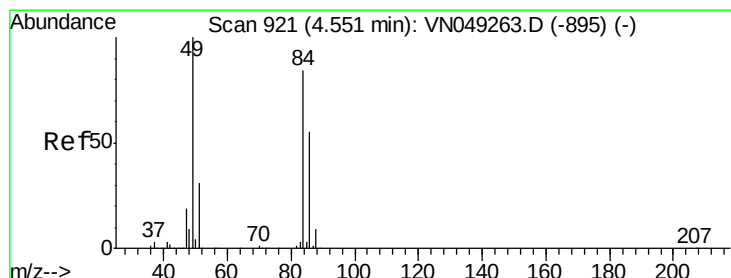
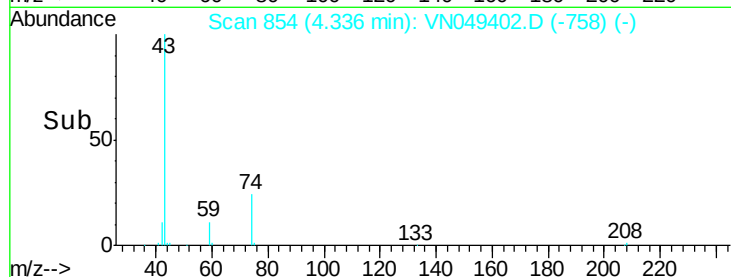
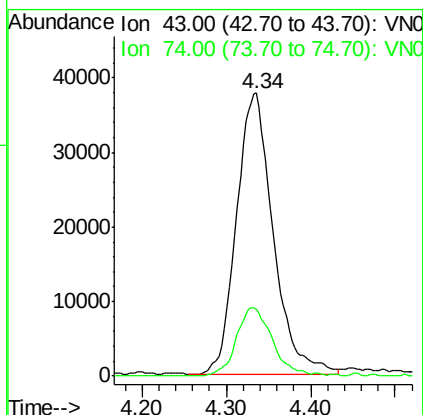
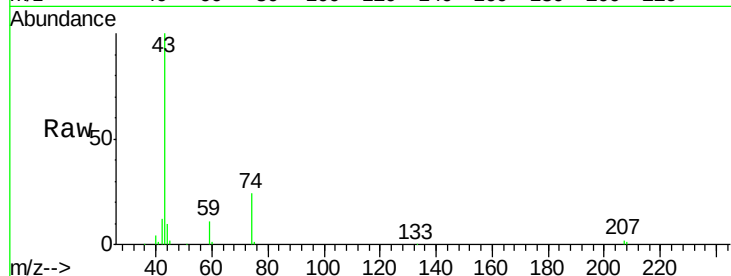




#18
Methvl Acetate
Concen: 9.89 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN049402.D
Acq: 19 Jun 2018 22:30

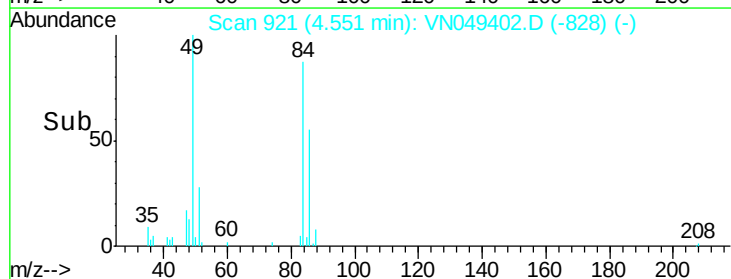
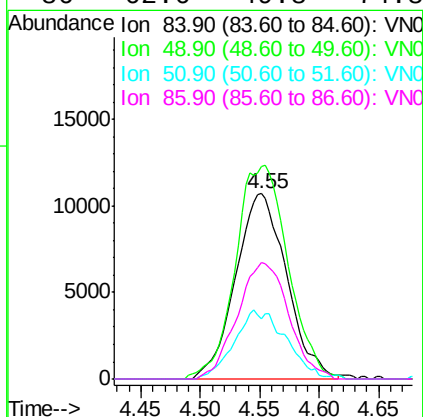
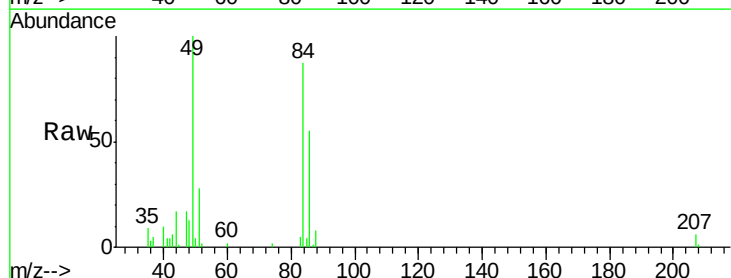
Instrument :
MSVOA_N
ClientSampleId :

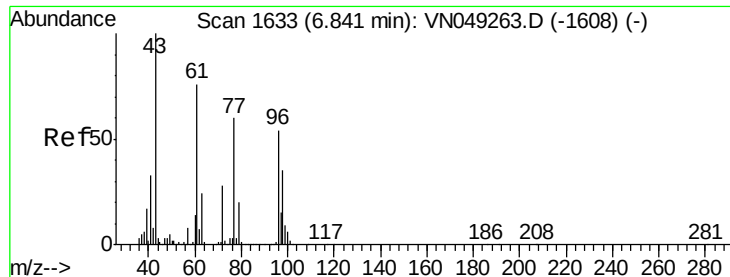
Tot Ion: 43 Resp: 115296
Ion Ratio Lower Upper
43 100
74 23.4 17.4 26.0



#20
Methylene Chloride
Concen: 1.99 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049402.D
Acq: 19 Jun 2018 22:30

Tgt Ion: 84 Resp: 31780
Ion Ratio Lower Upper
84 100
49 113.0 106.9 160.3
51 32.6 32.7 49.1#
86 62.6 49.8 74.8

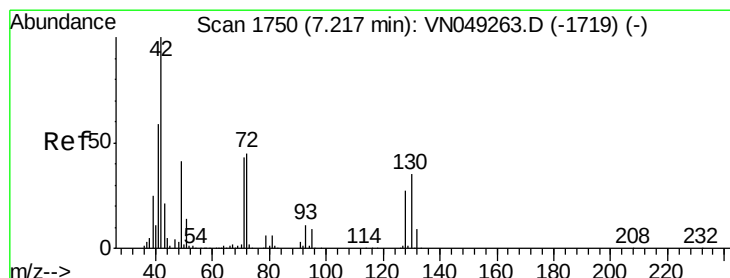
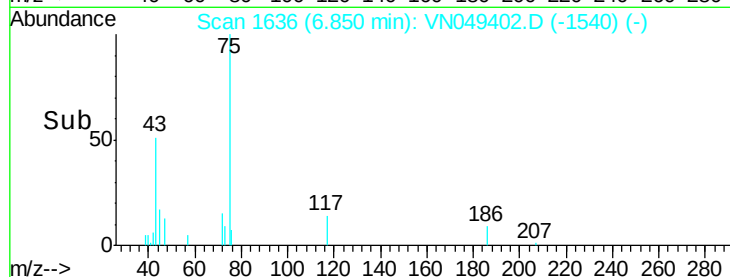
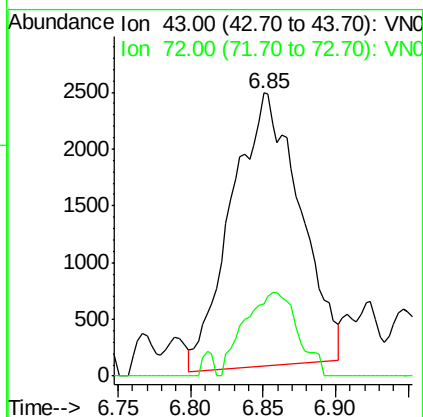
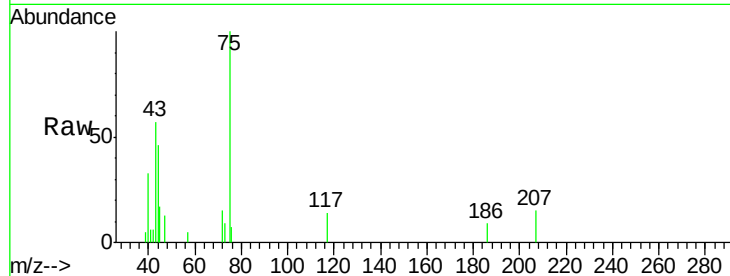




#25
2-Butanone
Concen: 1.53 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN049402.D
Acq: 19 Jun 2018 22:30

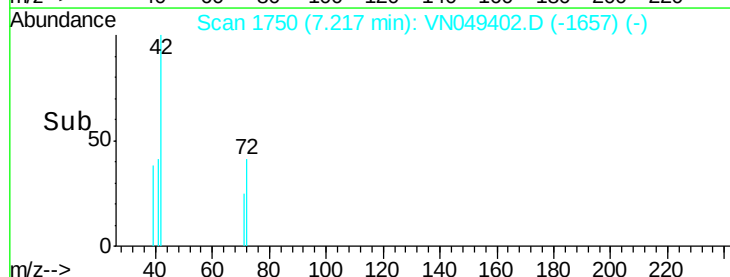
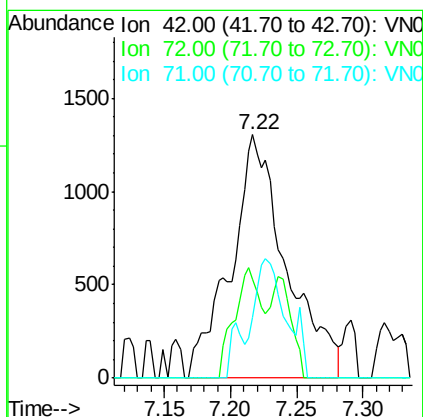
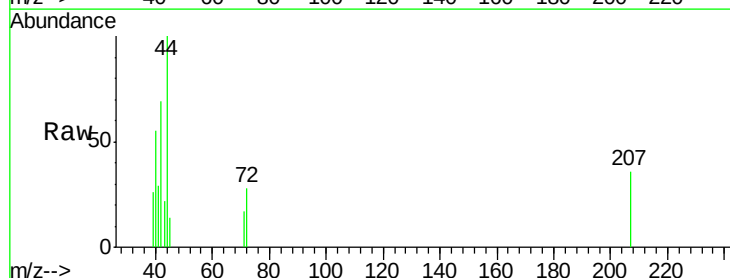
Instrument :
MSVOA_N
ClientSampled :

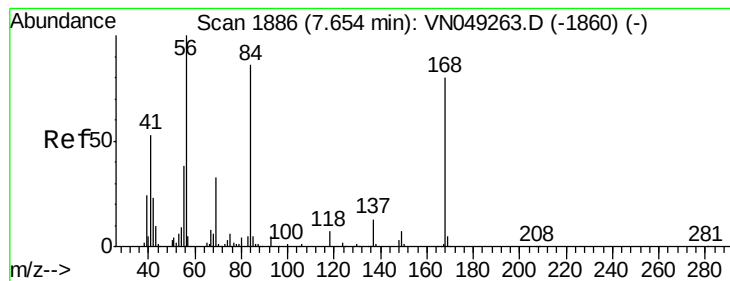
Tot Ion: 43 Resp: 7839
Ion Ratio Lower Upper
43 100
72 28.0 20.2 30.2



#29
Tetrahydrofuran
Concen: 1.15 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN049402.D
Acq: 19 Jun 2018 22:30

Tgt Ion: 42 Resp: 3805
Ion Ratio Lower Upper
42 100
72 21.9 32.2 48.4#
71 5.0 30.5 45.7#





#31

Cyclohexane

Concen: 0.78 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.02 min

Lab File: VN049402.D

Acq: 19 Jun 2018 22:30

Instrument :

MSVOA_N

ClientSampled :

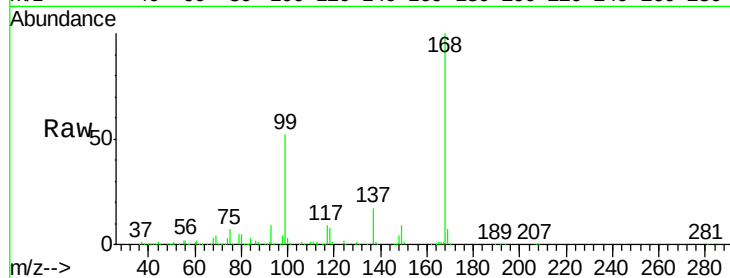
Tot Ion: 56 Resp: 22128

Ion Ratio Lower Upper

56 100

69 189.3 25.0 37.4#

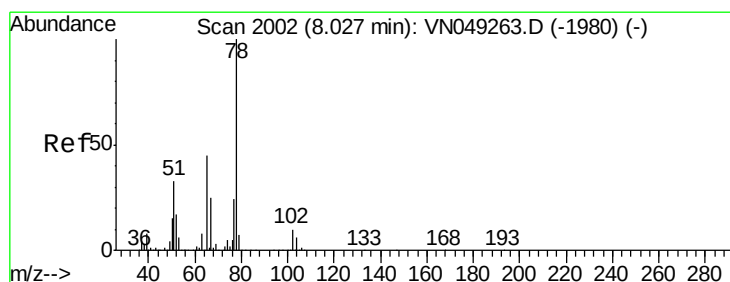
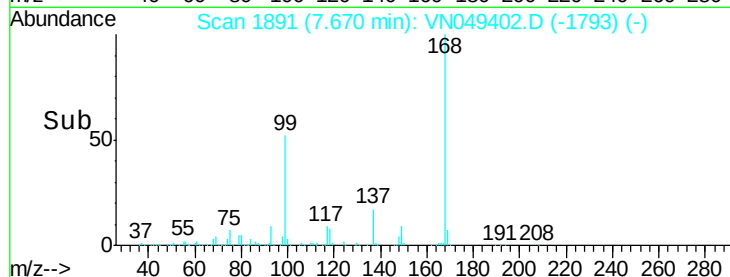
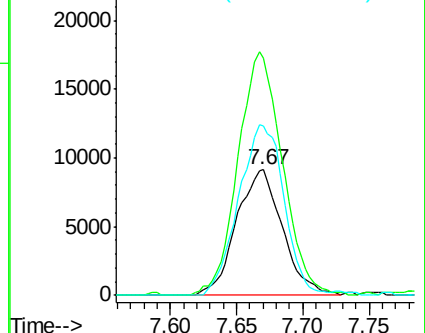
84 134.9 64.6 96.8#



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: 50.72 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049402.D

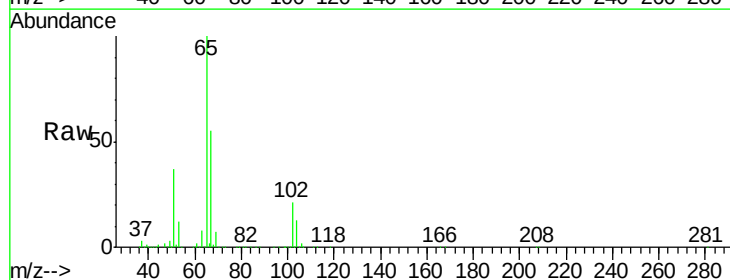
Acq: 19 Jun 2018 22:30

Tgt Ion: 65 Resp: 798308

Ion Ratio Lower Upper

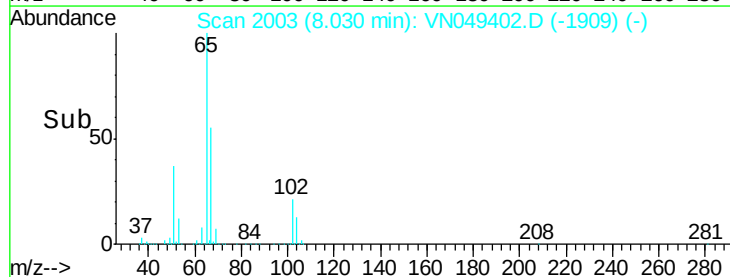
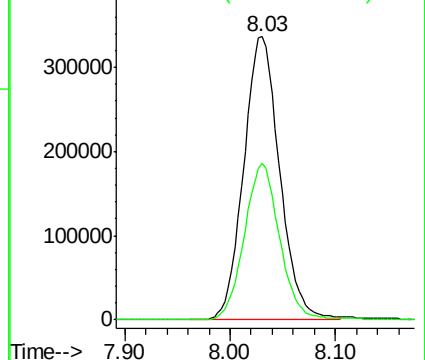
65 100

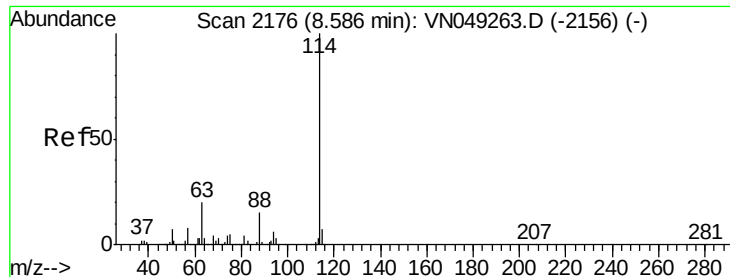
67 54.4 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

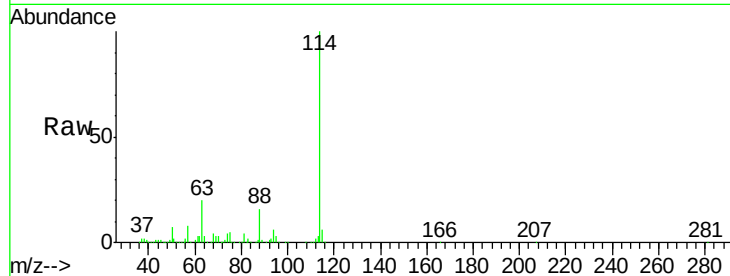




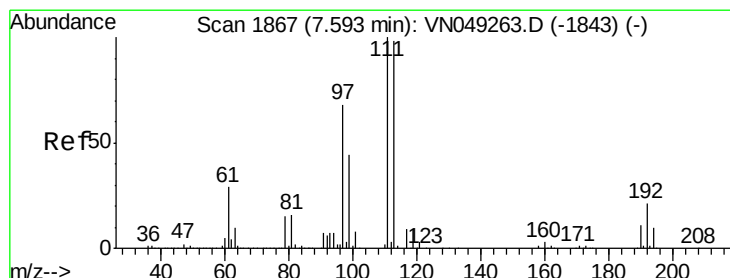
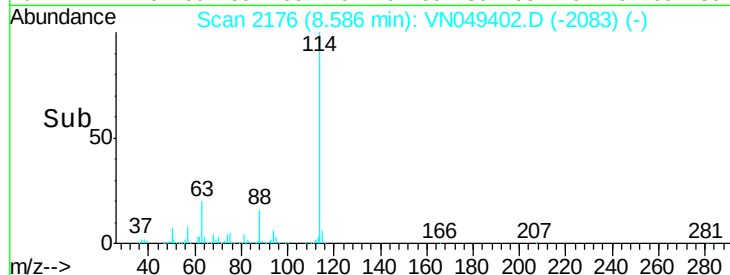
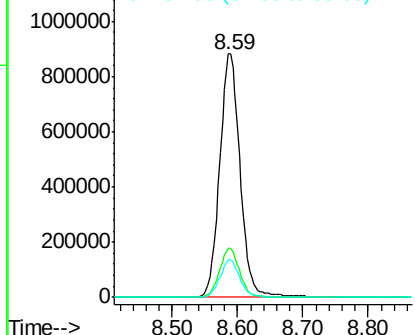
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049402.D
 Acq: 19 Jun 2018 22:30

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:114 Resp: 1919808
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 44.4
 88 15.6 0.0 31.4

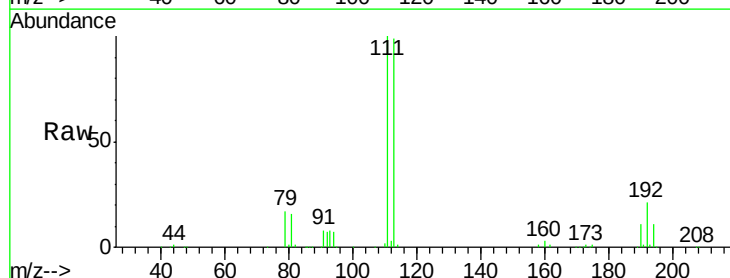


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

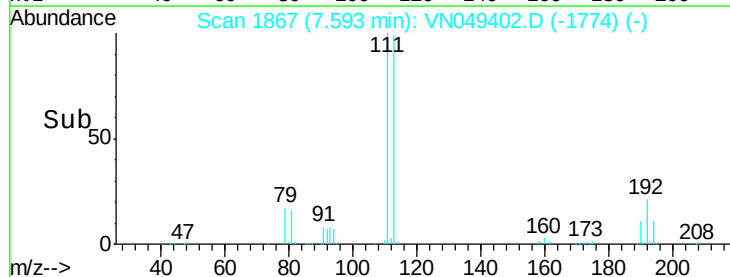
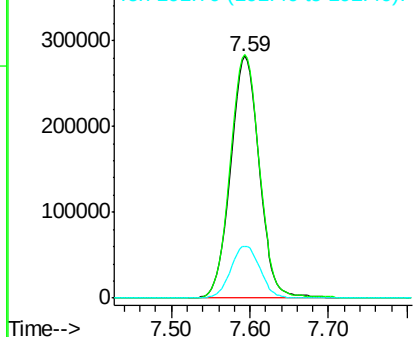


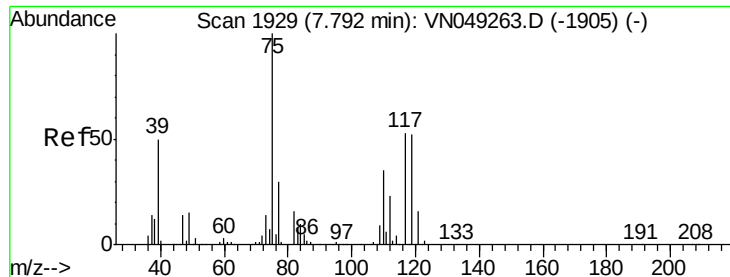
#35
 Dibromofluoromethane
 Concen: 45.96 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049402.D
 Acq: 19 Jun 2018 22:30

Tgt Ion:113 Resp: 713847
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.4 123.6
 192 21.9 15.0 22.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

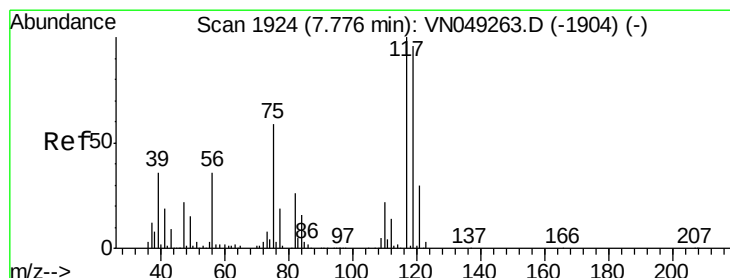
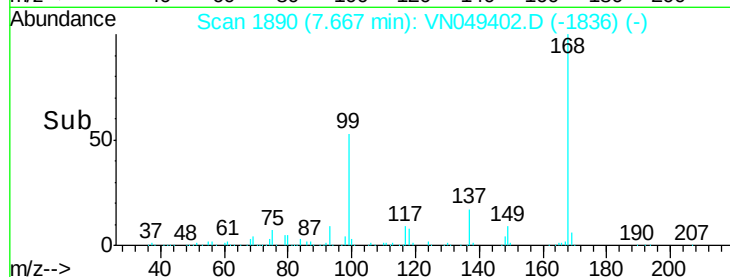
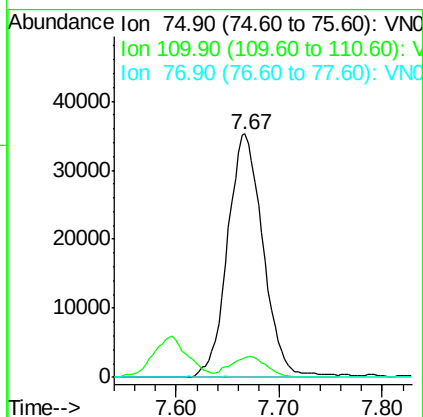
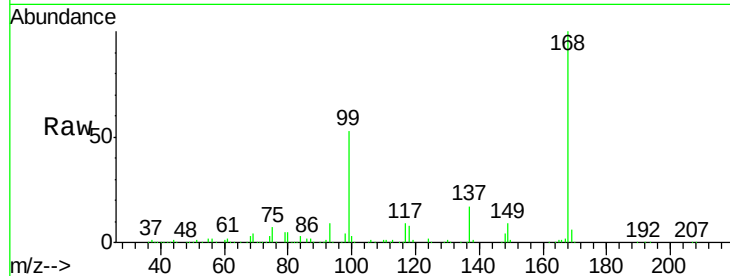




#36
 1,1-Dichloropropene
 Concen: 3.84 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049402.D
 Acq: 19 Jun 2018 22:30

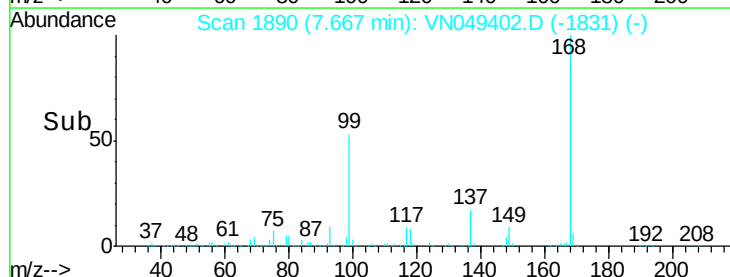
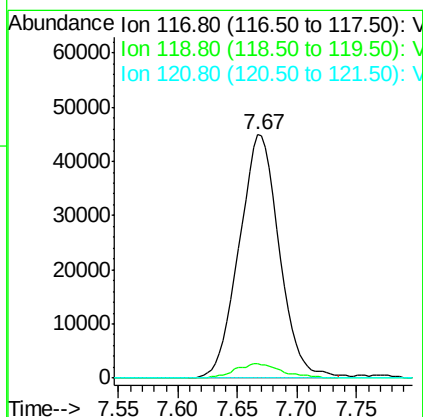
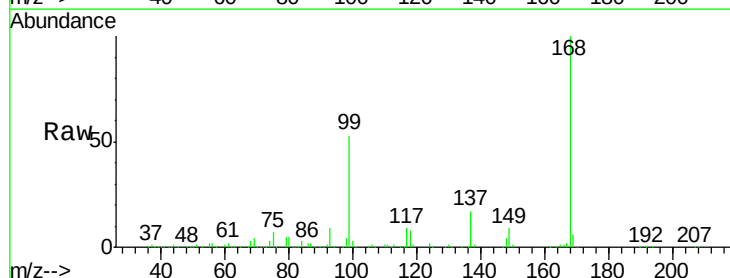
Instrument :
 MSVOA_N
 ClientSampleId :

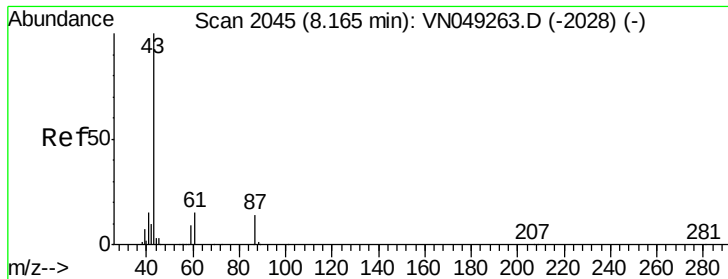
Tot Ion	75	Resp	84506
Ion Ratio	100	Lower	Upper
75	100		
110	8.8	17.0	50.9#
77	0.0	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 4.61 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN049402.D
 Acq: 19 Jun 2018 22:30

Tgt Ion	117	Resp	105106
Ion Ratio	100	Lower	Upper
117	100		
119	6.1	75.6	113.4#
121	0.0	24.7	37.1#





#43

Isopropyl Acetate

Concen: 11.01 ug/l

RT: 8.21 min Scan# 2058

Delta R.T. 0.04 min

Lab File: VN049402.D

Acq: 19 Jun 2018 22:30

Instrument :

MSVOA_N

ClientSampled :

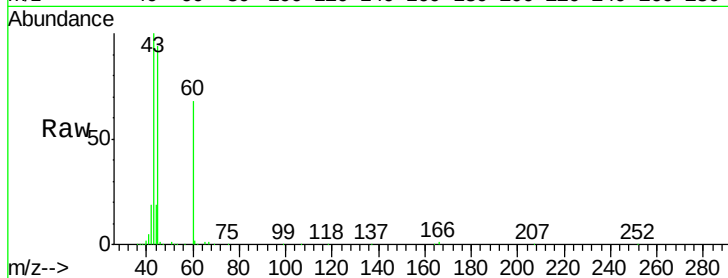
Tot Ion: 43 Resp: 251569

Ion Ratio Lower Upper

43 100

61 1.3 14.2 21.4#

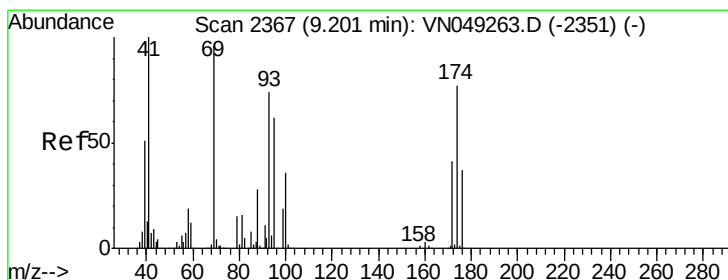
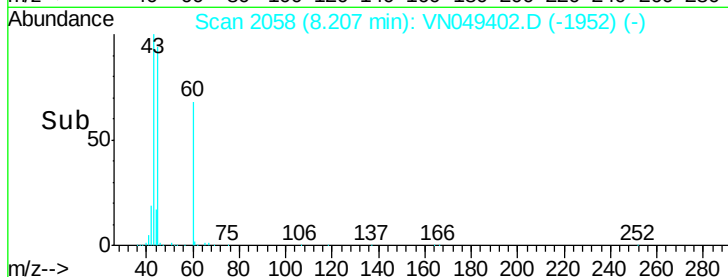
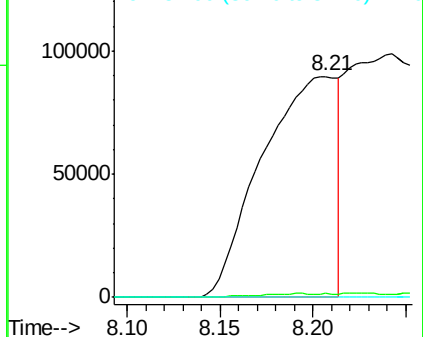
87 0.0 9.4 14.0#



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: 0.83 ug/l

RT: 9.21 min Scan# 2371

Delta R.T. 0.01 min

Lab File: VN049402.D

Acq: 19 Jun 2018 22:30

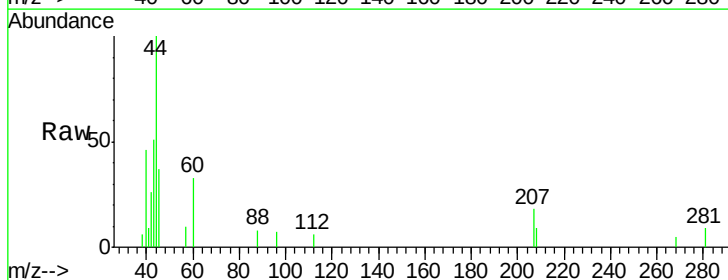
Tgt Ion: 88 Resp: 123

Ion Ratio Lower Upper

88 100

43 385.4 30.9 46.3#

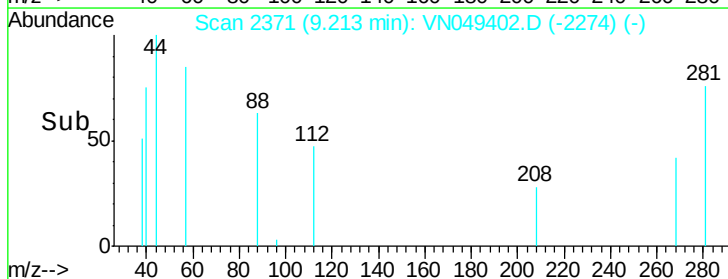
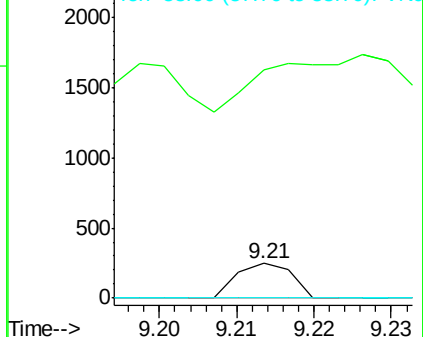
58 0.0 58.9 88.3#

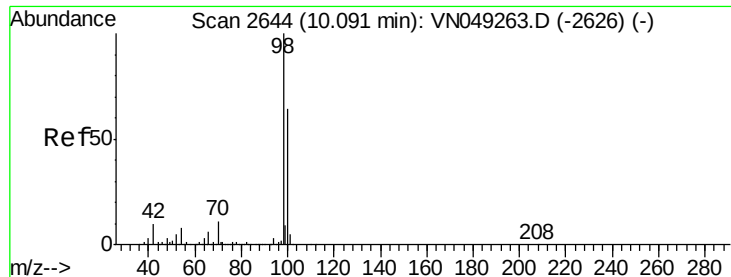


Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

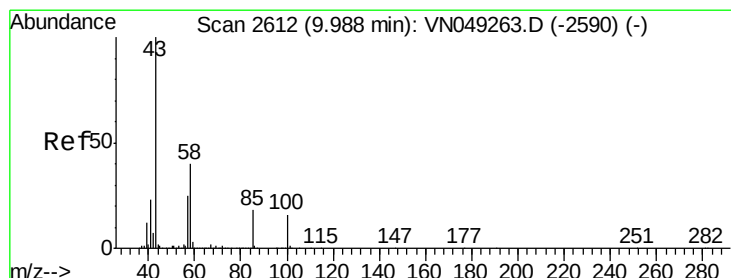
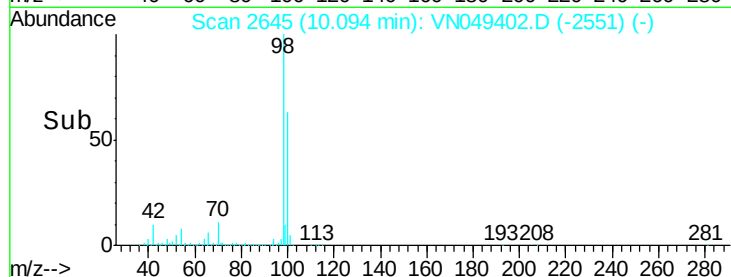
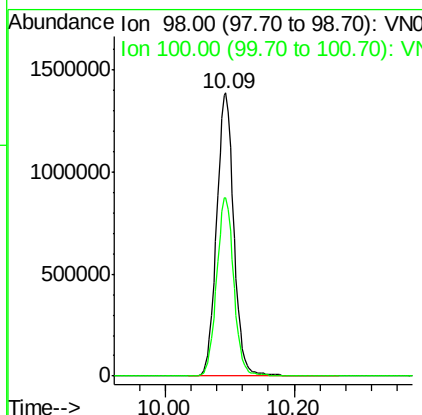
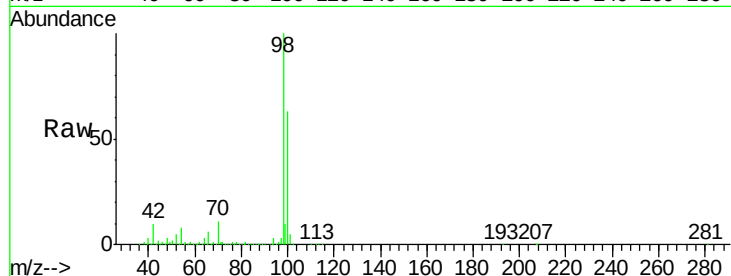




#50
Toluene-d8
Concen: 43.60 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049402.D
Acq: 19 Jun 2018 22:30

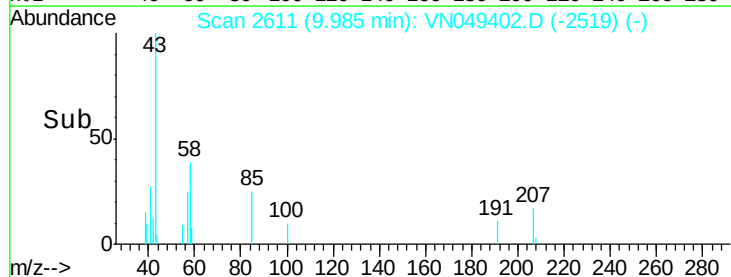
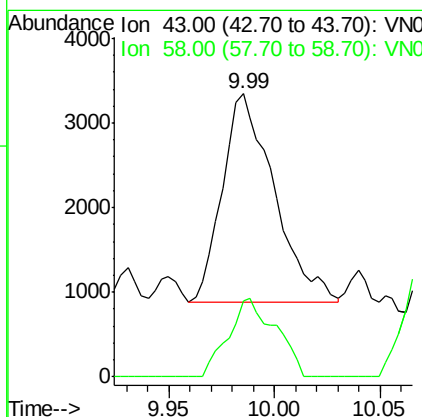
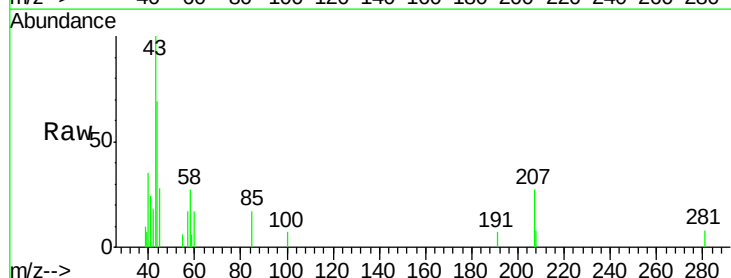
Instrument :
MSVOA_N
ClientSampled :

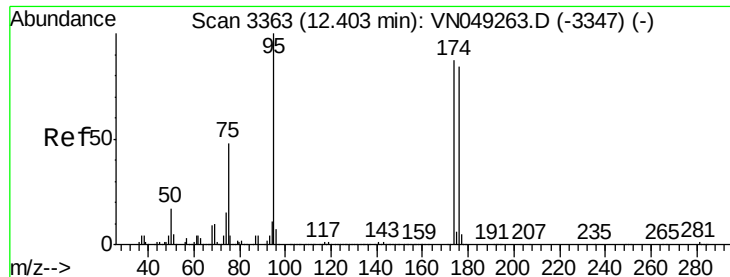
Tot Ion: 98 Resp: 2578384
Ion Ratio Lower Upper
98 100
100 62.8 49.8 74.8



#51
4-Methyl-2-Pentanone
Concen: 0.35 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN049402.D
Acq: 19 Jun 2018 22:30

Tgt Ion: 43 Resp: 4236
Ion Ratio Lower Upper
43 100
58 34.0 29.0 43.6

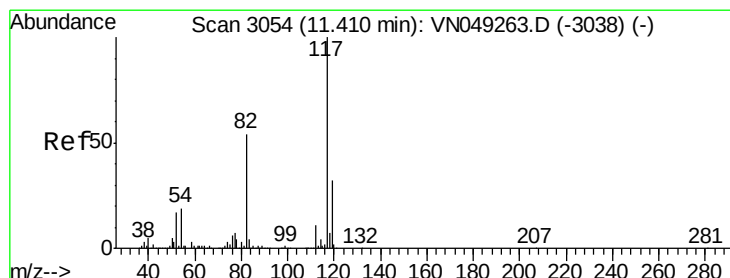
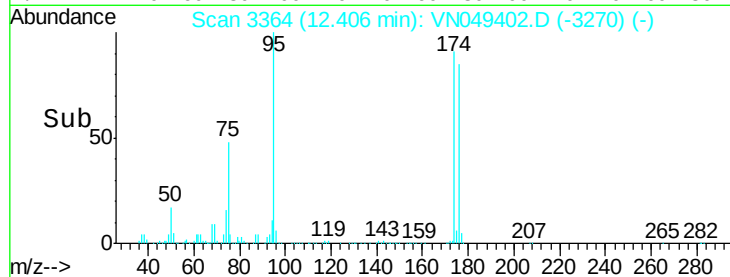
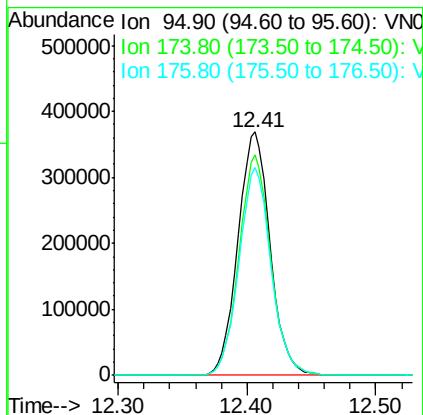
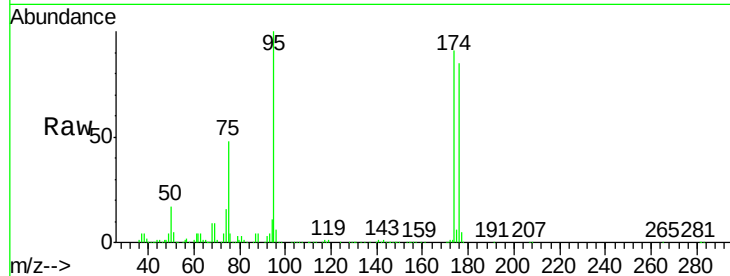




#62
4-Bromofluorobenzene
Concen: 32.77 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN049402.D
Acq: 19 Jun 2018 22:30

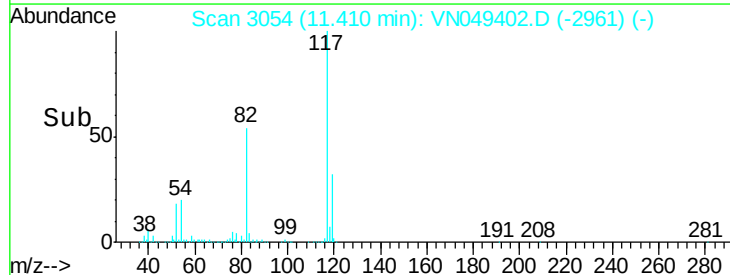
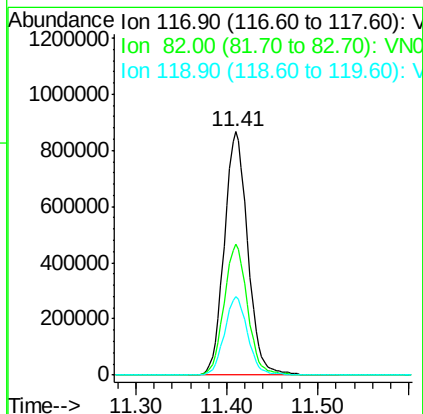
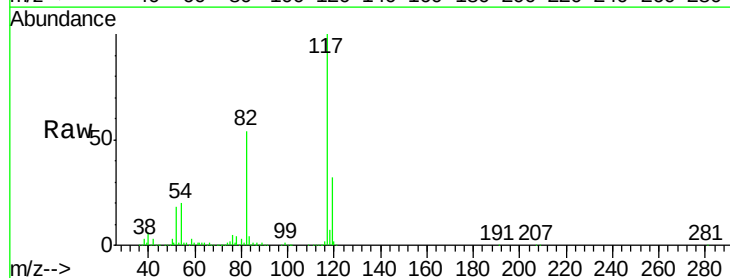
Instrument :
MSVOA_N
ClientSampleId :

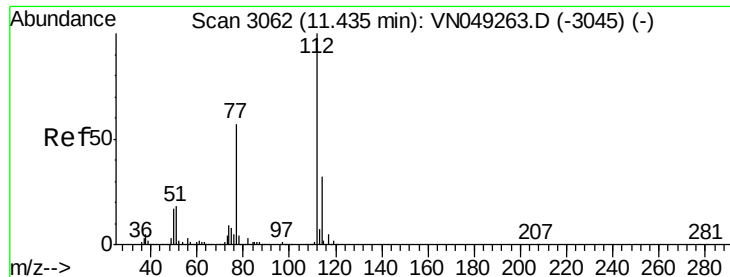
Tot Ion: 95 Resp: 640819
Ion Ratio Lower Upper
95 100
174 89.5 0.0 165.6
176 84.9 0.0 157.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049402.D
Acq: 19 Jun 2018 22:30

Tgt Ion: 117 Resp: 1549312
Ion Ratio Lower Upper
117 100
82 53.6 45.9 68.9
119 32.1 25.5 38.3





#65

Chlorobenzene

Concen: 0.55 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049402.D

Acq: 19 Jun 2018 22:30

Instrument :

MSVOA_N

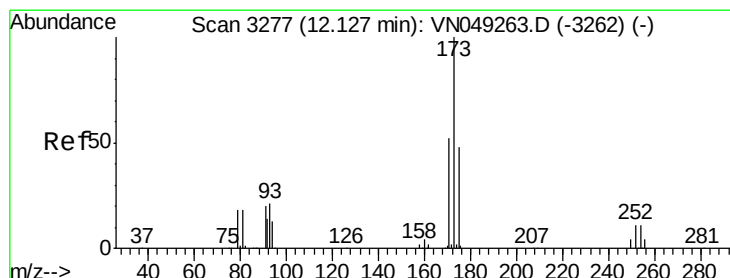
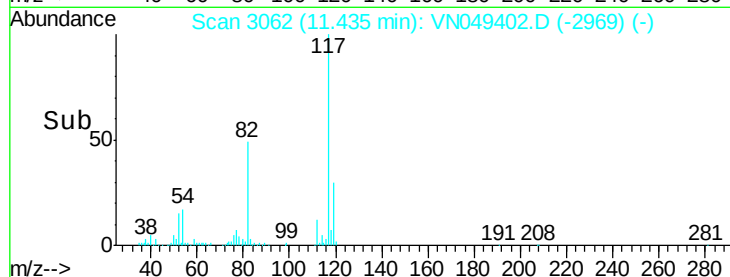
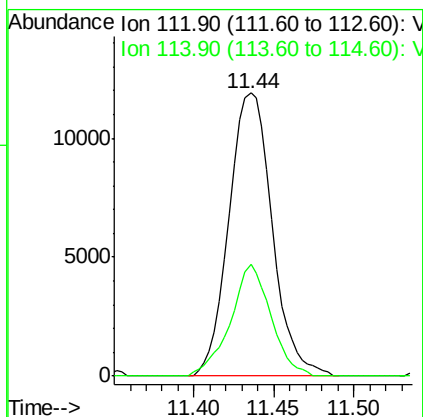
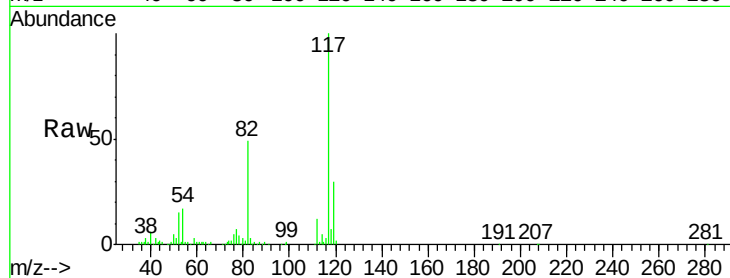
ClientSampled :

Tot Ion:112 Resp: 21955

Ion Ratio Lower Upper

112 100

114 39.4 26.2 39.4#



#71

Bromoform

Concen: 0.47 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN049402.D

Acq: 19 Jun 2018 22:30

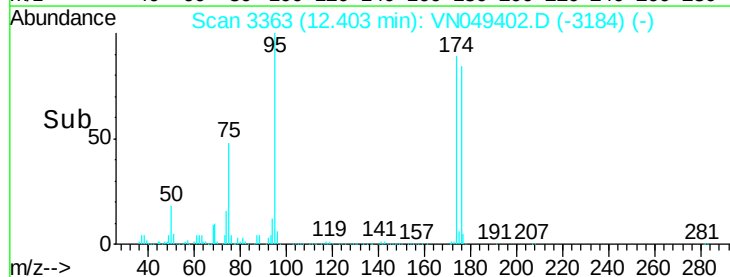
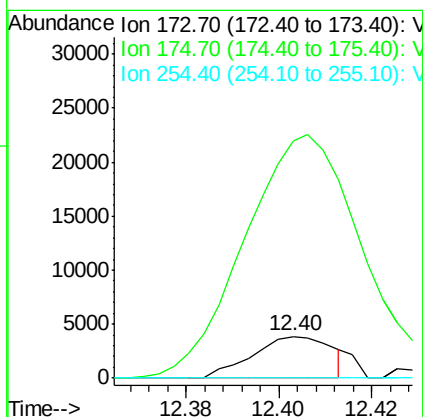
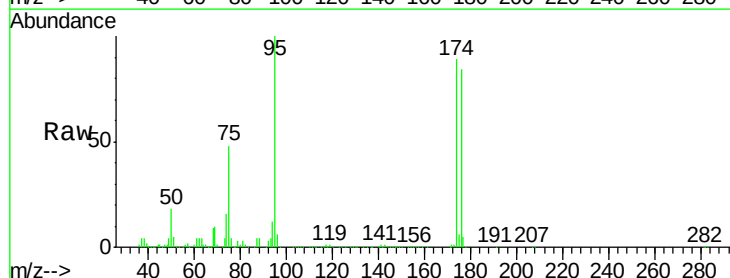
Tgt Ion:173 Resp: 4596

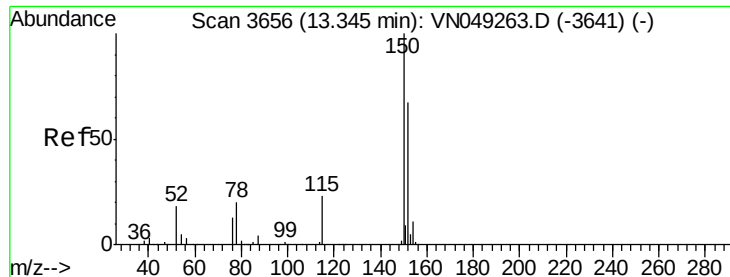
Ion Ratio Lower Upper

173 100

175 671.8 24.5 73.5#

254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049402.D

Acq: 19 Jun 2018 22:30

Instrument :

MSVOA_N

ClientSampleId :

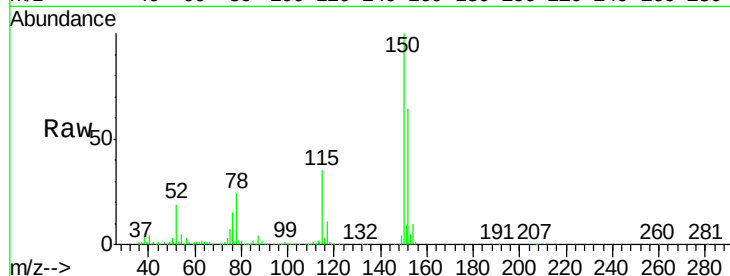
Tot Ion:152 Resp: 437320

Ion Ratio Lower Upper

152 100

115 56.3 28.7 86.1

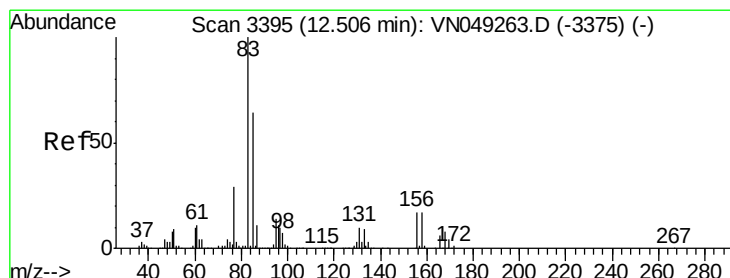
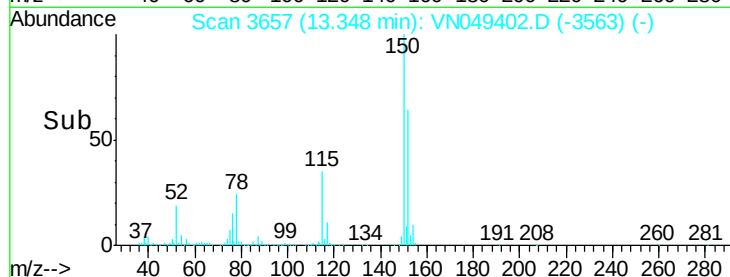
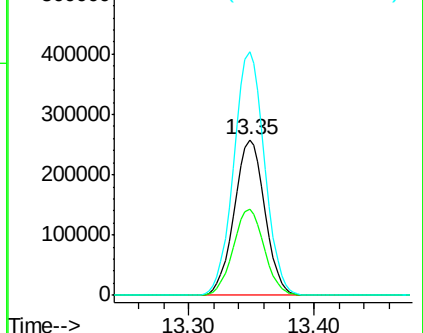
150 157.5 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.49 min Scan# 3391

Delta R.T. -0.01 min

Lab File: VN049402.D

Acq: 19 Jun 2018 22:30

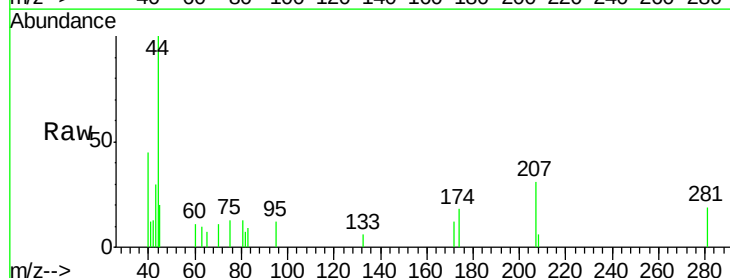
Tgt Ion: 83 Resp: 148

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

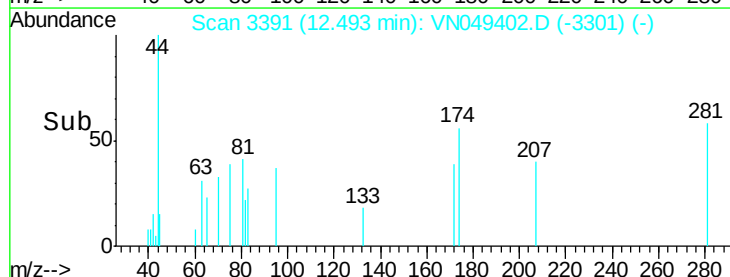
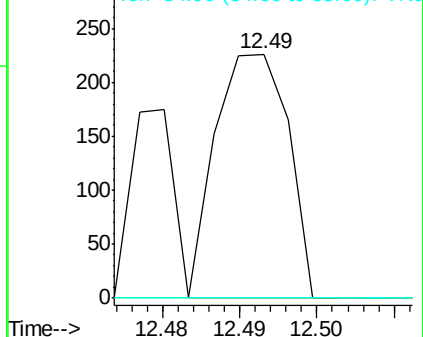
85 0.0 32.0 96.0#

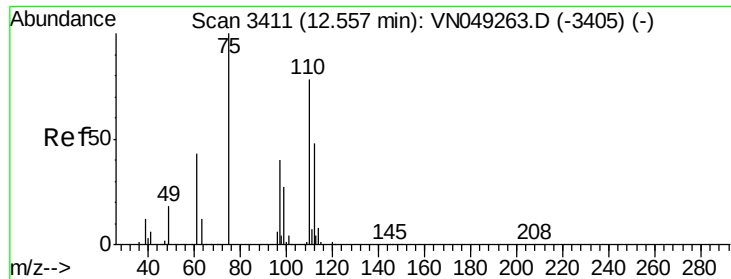


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V

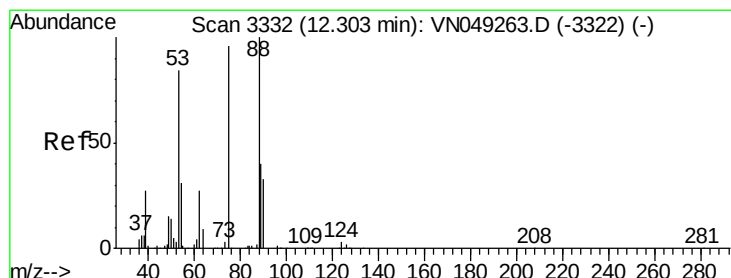
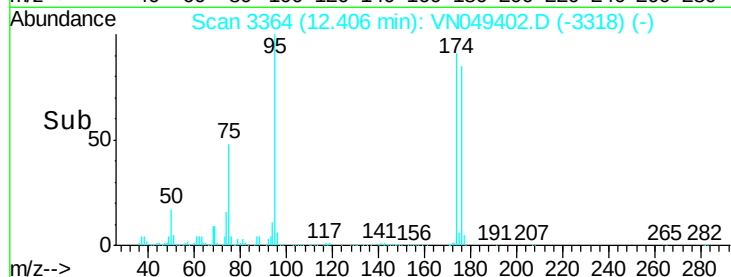
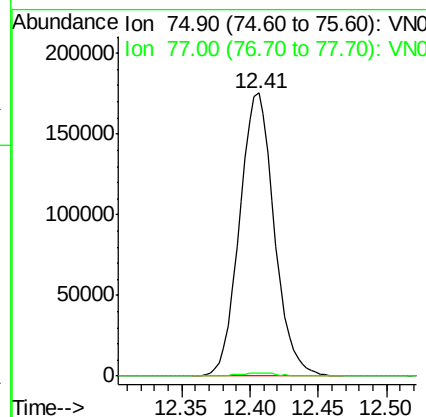
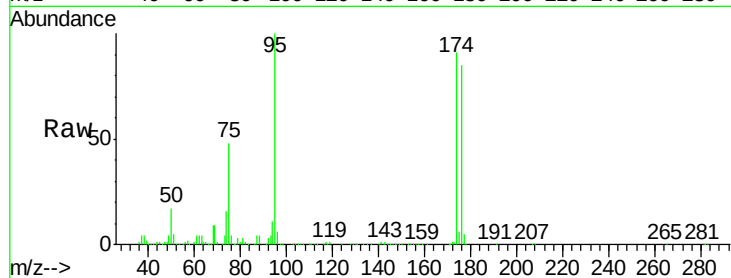




#76
 1,2,3-Trichloropropane
 Concen: 41.45 ug/l
 RT: 12.41 min Scan# 3364
 Delta R.T. -0.15 min
 Lab File: VN049402.D
 Acq: 19 Jun 2018 22:30

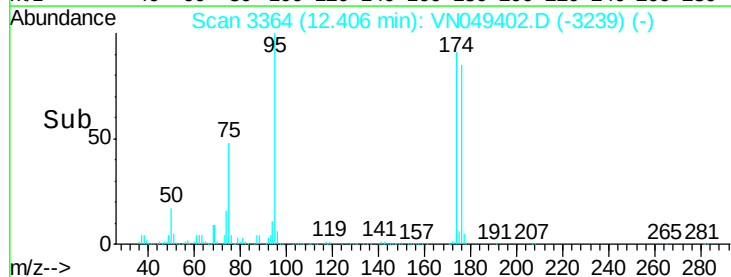
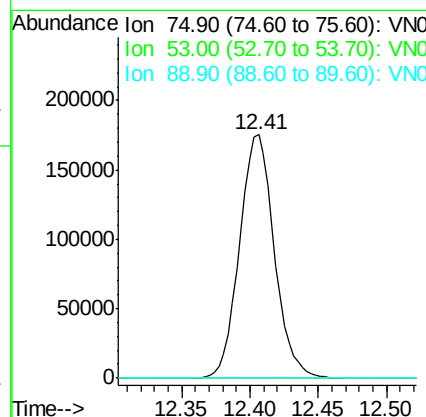
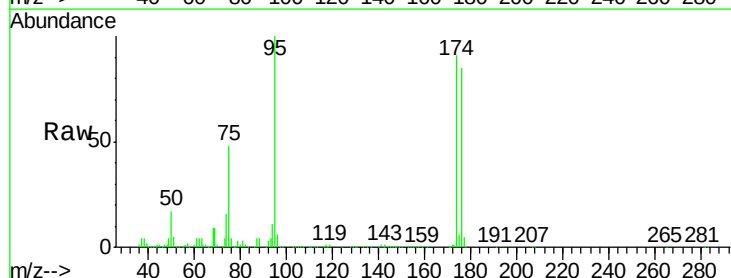
Instrument :
 MSVOA_N
 ClientSampleId :

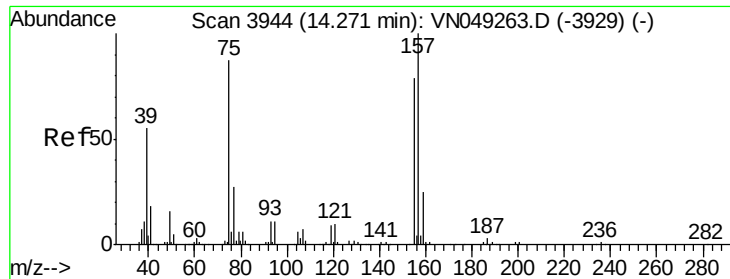
Tot Ion: 75 Resp: 309318
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 131.02 ug/l
 RT: 12.41 min Scan# 3364
 Delta R.T. 0.10 min
 Lab File: VN049402.D
 Acq: 19 Jun 2018 22:30

Tgt Ion: 75 Resp: 309318
 Ion Ratio Lower Upper
 75 100
 53 0.2 82.7 124.1#
 89 0.0 36.5 54.7#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.21 ug/l

RT: 14.26 min Scan# 3941

Delta R.T. -0.01 min

Lab File: VN049402.D

Acq: 19 Jun 2018 22:30

Instrument :

MSVOA_N

ClientSampled :

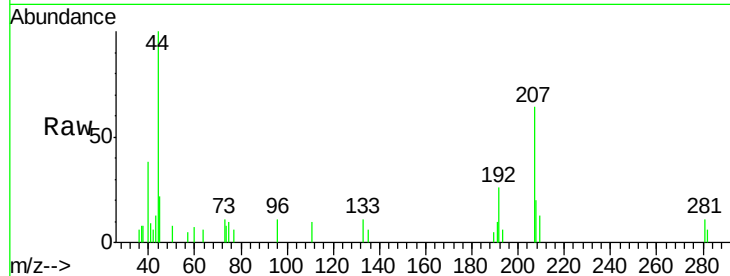
Tot Ion: 75 Resp: 276

Ion Ratio Lower Upper

75 100

155 0.0 38.8 116.3#

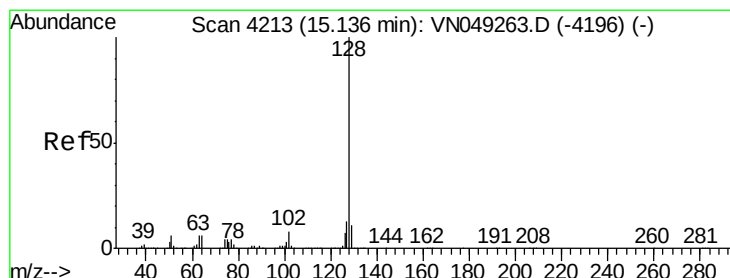
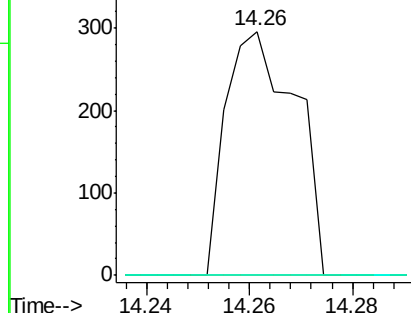
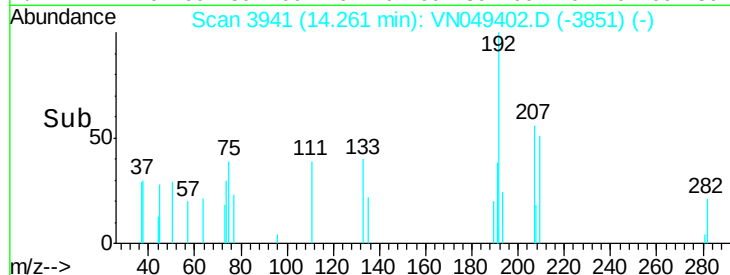
157 0.0 51.0 153.1#



Abundance Ion 74.90 (74.60 to 75.60): VN049402.D (-3851) (-)

Ion 154.80 (154.50 to 155.50): VN049402.D (-3851) (-)

Ion 156.80 (156.50 to 157.50): VN049402.D (-3851) (-)



#95

Naphthalene

Concen: 2.12 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN049402.D

Acq: 19 Jun 2018 22:30

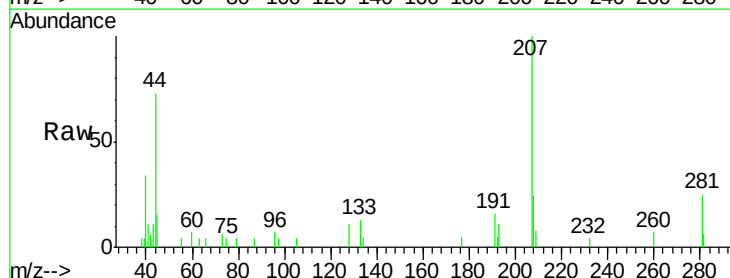
Tgt Ion: 128 Resp: 481

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 14.6 8.5 12.7#



Abundance Ion 128.00 (127.70 to 128.70): VN049402.D (-4120) (-)

Ion 127.00 (126.70 to 127.70): VN049402.D (-4120) (-)

Ion 129.00 (128.70 to 129.70): VN049402.D (-4120) (-)

