

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062618\
 Data File : VN049550.D
 Acq On : 26 Jun 2018 14:14
 Operator : MD\SY
 Sample : J3684-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 27 01:02:07 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	1403097	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2246024	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1890550	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	830283	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	898523	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
35) Dibromofluoromethane	7.59	113	802483	44.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.32%	
50) Toluene-d8	10.09	98	3059402	44.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.44%	
62) 4-Bromofluorobenzene	12.40	95	933591	40.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.62%	

Target Compounds

						Qvalue
8) Diethyl Ether	3.41	74	4650	0.48	ug/l	79
11) Tert butyl alcohol	4.80	59	2380	2.18	ug/l	96
13) Acrolein	3.60	56	4183	3.65	ug/l #	54
16) Acetone	3.82	43	148992	32.97	ug/l	93
17) Carbon Disulfide	4.05	76	20333	0.40	ug/l	96
18) Methyl Acetate	4.33	43	263482	19.12	ug/l	96
20) Methylene Chloride	4.55	84	91453	4.85	ug/l	90
25) 2-Butanone	6.84	43	11850	1.95	ug/l #	89
29) Tetrahydrofuran	7.22	42	1289	0.33	ug/l #	84
30) Chloroform	7.37	83	20499	0.63	ug/l	98
31) Cyclohexane	7.67	56	25975	0.77	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	93675	3.64	ug/l #	47
38) Carbon Tetrachloride	7.67	117	124123	4.66	ug/l #	17
40) Benzene	8.04	78	130547	1.65	ug/l	99
43) Isopropyl Acetate	8.31	43	1738942	65.04	ug/l #	64
44) Trichloroethene	8.83	130	24232	1.16	ug/l	96
47) Bromodichloromethane	9.40	83	9408	0.36	ug/l	99
49) 1,4-Dioxane	9.21	88	460	2.65	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	4786	0.34	ug/l	90
52) Toluene	10.16	92	11299	0.24	ug/l	84
58) 2-Chloroethyl Vinyl ether	9.69	63	66	14.34	ug/l #	51
59) 2-Hexanone	10.75	43	3384	0.37	ug/l	92
67) Ethyl Benzene	11.51	91	19540	0.24	ug/l #	88
68) m/p-Xylenes	11.62	106	32364	1.07	ug/l	97
69) o-Xylene	11.95	106	15711	0.54	ug/l	90
71) Bromoform	12.40	173	4427	0.37	ug/l #	1
74) N-amyl acetate	12.04	43	5443	0.30	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	12.52	83	326	Below	Cal #	87
76) 1,2,3-Trichloropropane	12.40	75	455478	32.15	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	455478	101.62	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.04	105	19571	0.34	ug/l	86
90) Hexachloroethane	13.88	117	1041	Below	Cal #	9
93) 1,2,4-Trichlorobenzene	14.91	180	3289	4.95	ug/l #	82
94) Hexachlorobutadiene	15.01	225	905	Below	Cal	76

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ClientSampleId :

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Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration

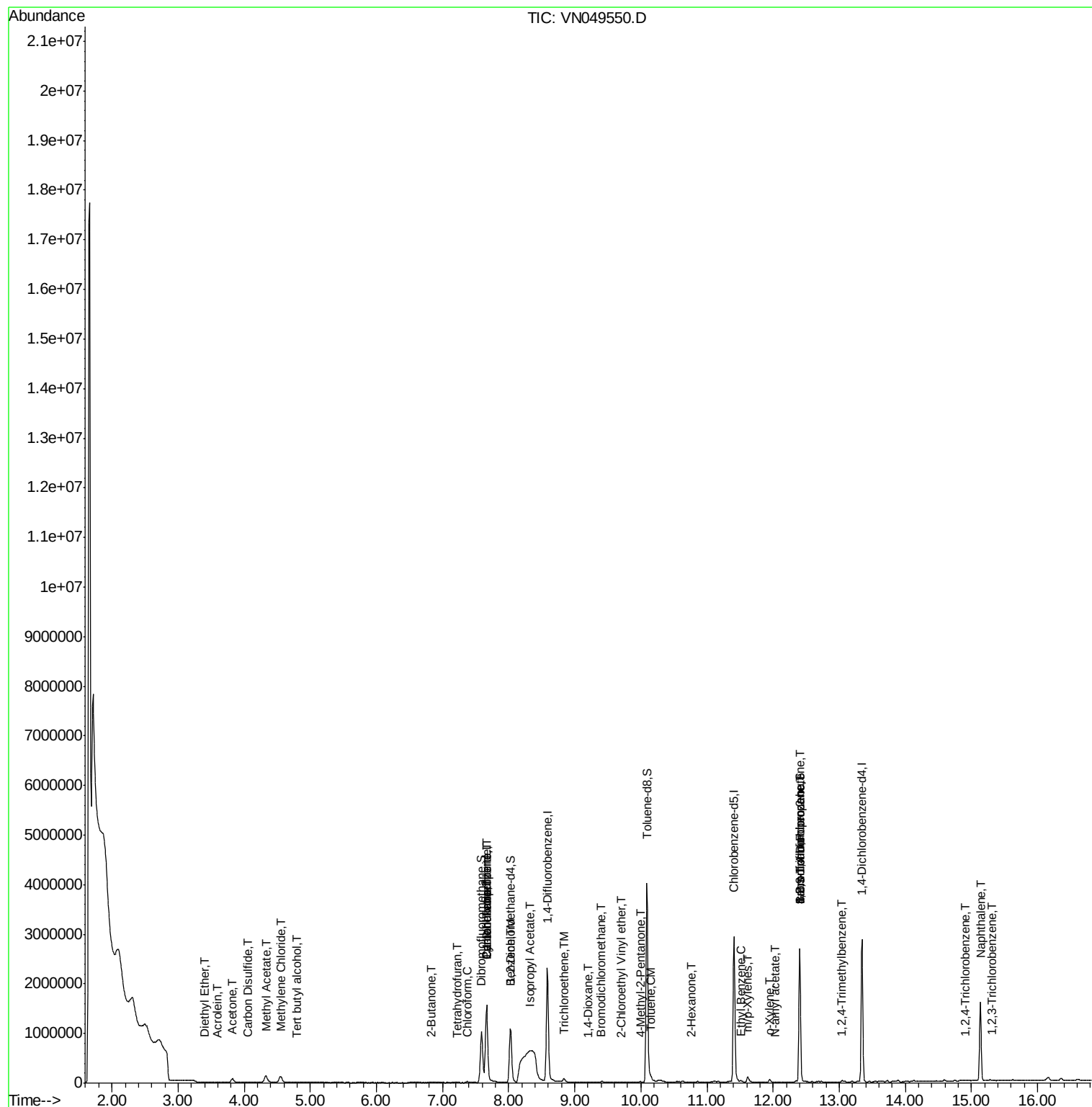
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.14	128	1353582	53.03	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	2943	3.65	ug/l	90

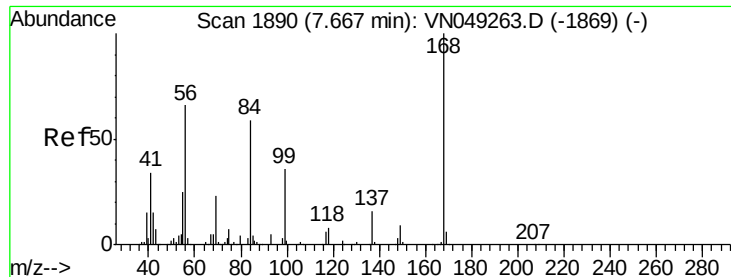
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062618\
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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: VN049550.D

Acq: 26 Jun 2018 14:14

Instrument :

MSVOA_N

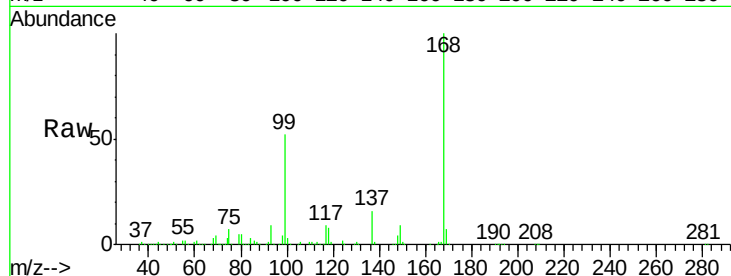
ClientSampled :

Tot Ion:168 Resp: 1403097

Ion Ratio Lower Upper

168 100

99 51.5 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

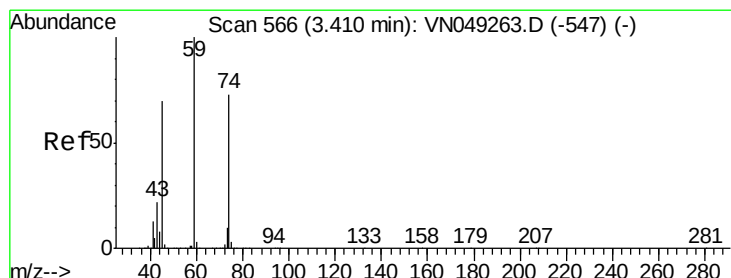
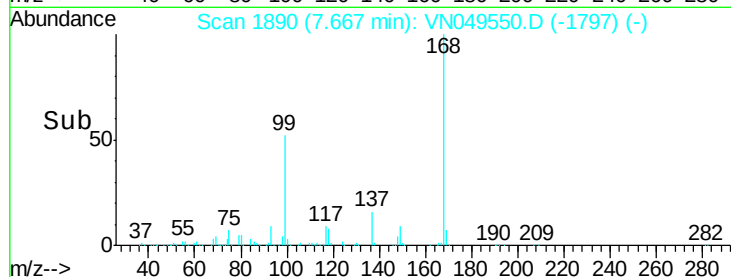
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 0.48 ug/l

RT: 3.41 min Scan# 565

Delta R.T. -0.00 min

Lab File: VN049550.D

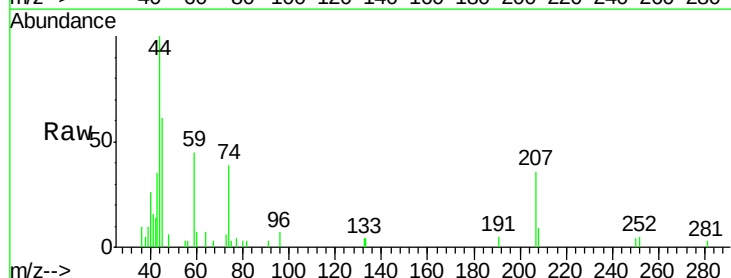
Acq: 26 Jun 2018 14:14

Tgt Ion: 74 Resp: 4650

Ion Ratio Lower Upper

74 100

45 82.6 51.9 155.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.41

4000

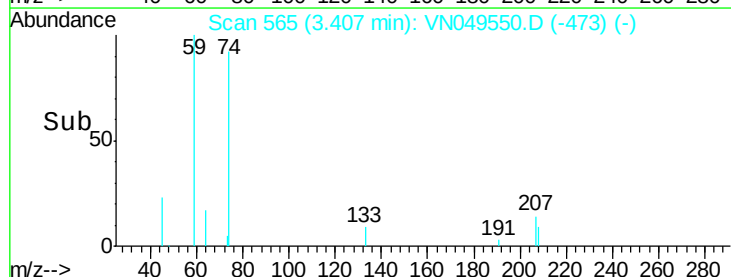
3000

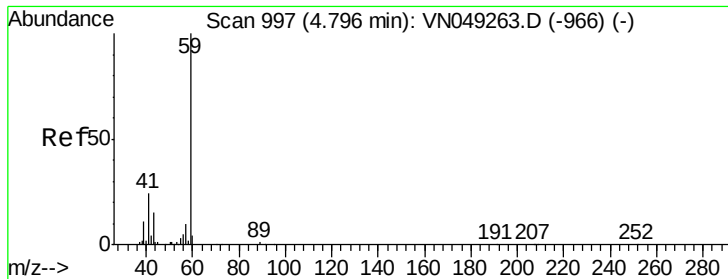
2000

1000

0

Time-->



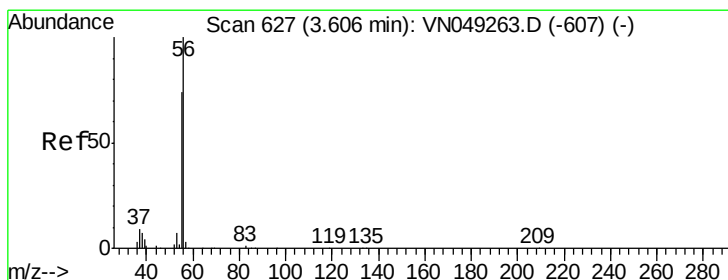
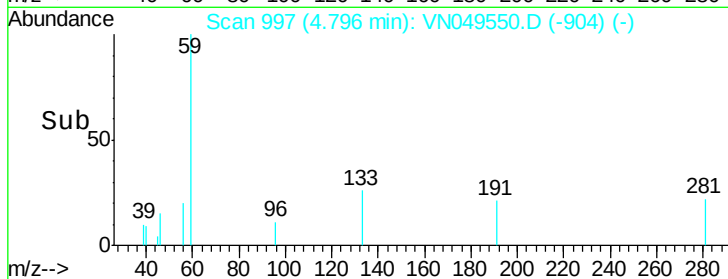
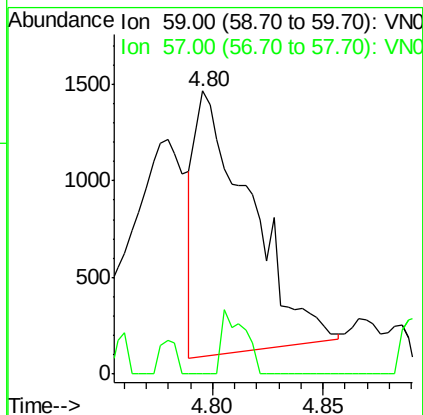
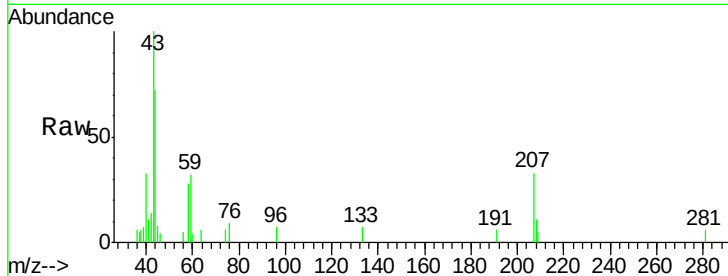


#11

Tert butyl alcohol
 Concen: 2.18 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VN049550.D
 Acq: 26 Jun 2018 14:14

Instrument :
 MSVOA_N
 ClientSampleId :

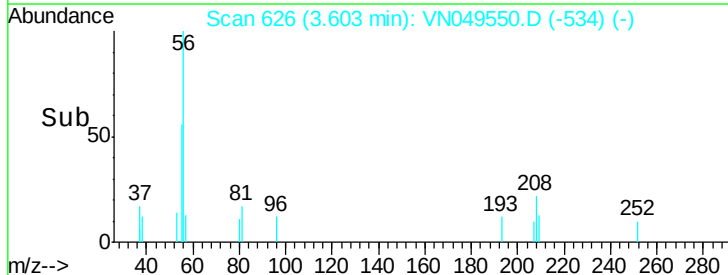
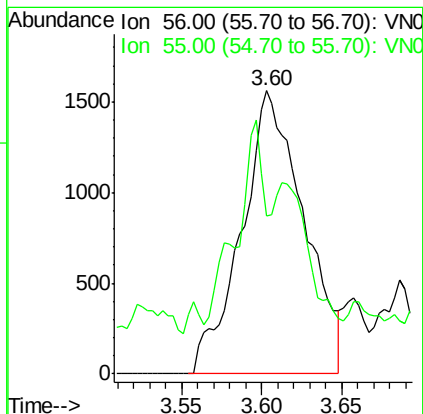
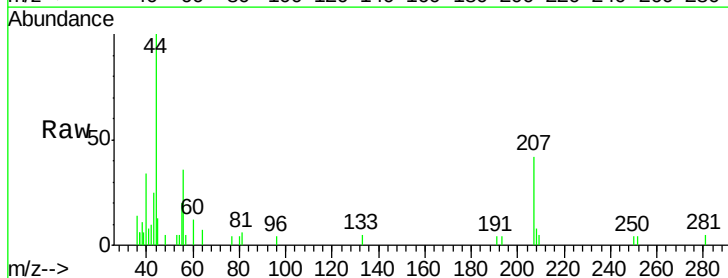
Tot Ion: 59 Resp: 2380
 Ion Ratio Lower Upper
 59 100
 57 10.0 9.0 13.6

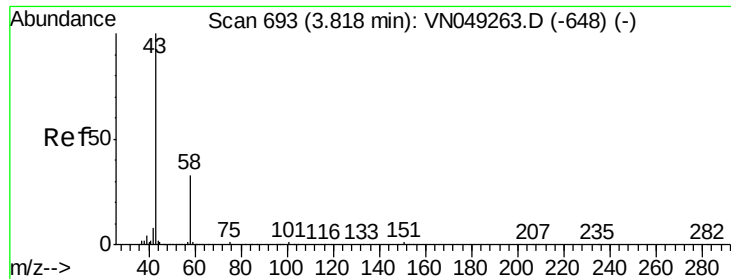


#13

Acrolein
 Concen: 3.65 ug/l
 RT: 3.60 min Scan# 626
 Delta R.T. -0.00 min
 Lab File: VN049550.D
 Acq: 26 Jun 2018 14:14

Tgt Ion: 56 Resp: 4183
 Ion Ratio Lower Upper
 56 100
 55 33.4 57.1 85.7#





#16

Acetone

Concen: 32.97 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049550.D

Acq: 26 Jun 2018 14:14

Instrument :

MSVOA_N

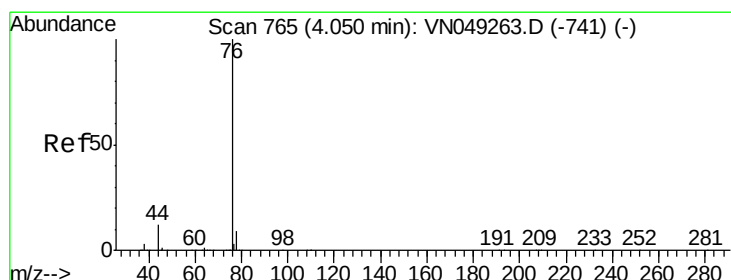
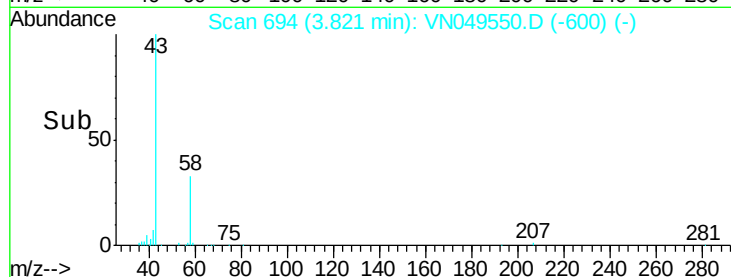
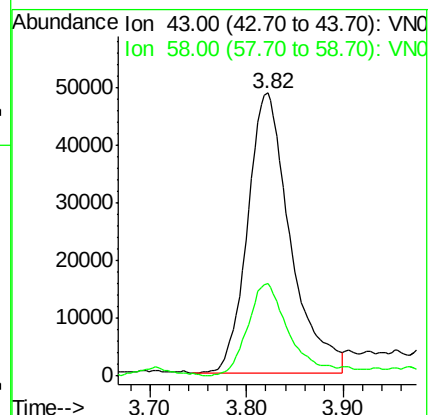
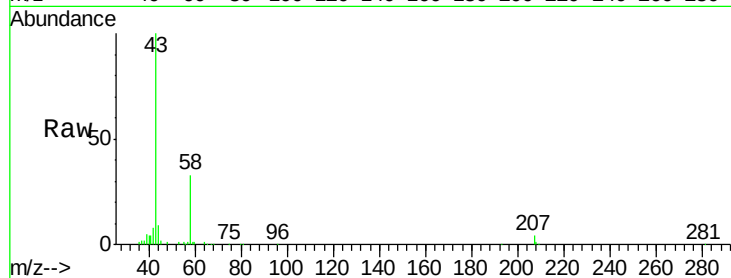
ClientSampled :

Tot Ion: 43 Resp: 148992

Ion Ratio Lower Upper

43 100

58 31.9 22.4 33.6



#17

Carbon Disulfide

Concen: 0.40 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN049550.D

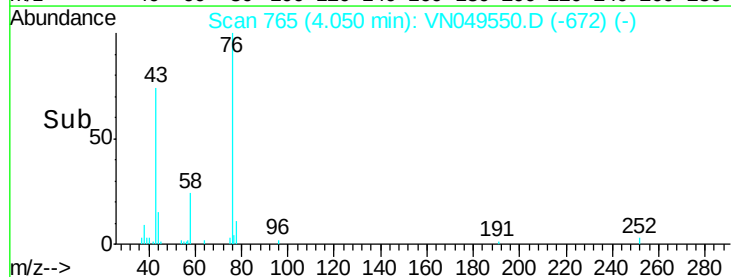
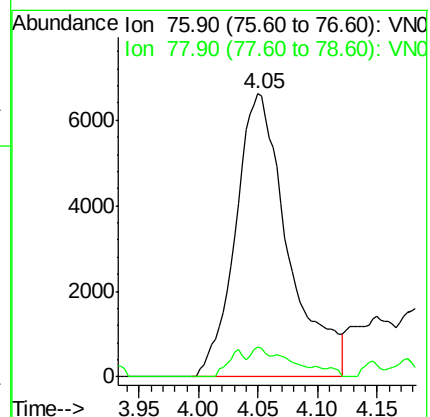
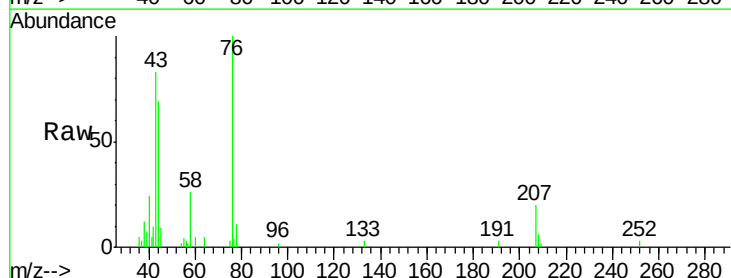
Acq: 26 Jun 2018 14:14

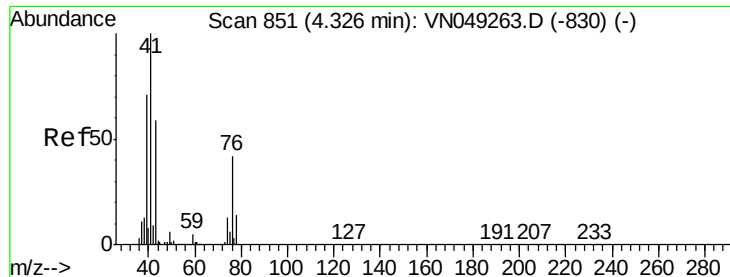
Tgt Ion: 76 Resp: 20333

Ion Ratio Lower Upper

76 100

78 10.7 7.4 11.0





#18

Methyl Acetate

Concen: 19.12 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN049550.D

Acq: 26 Jun 2018 14:14

Instrument :

MSVOA_N

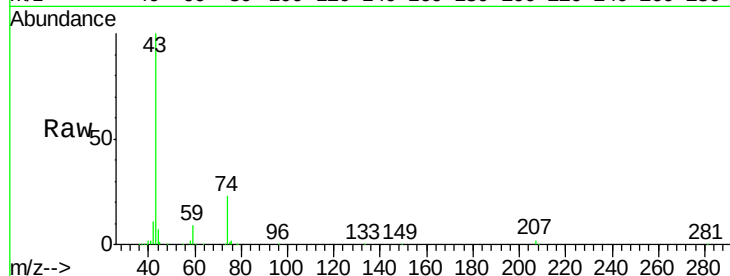
ClientSampled :

Tot Ion: 43 Resp: 263482

Ion Ratio Lower Upper

43 100

74 23.5 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

100000

80000

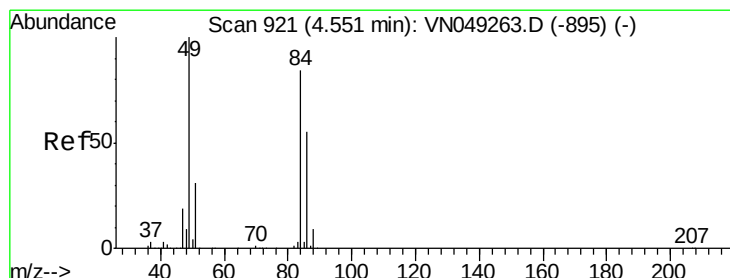
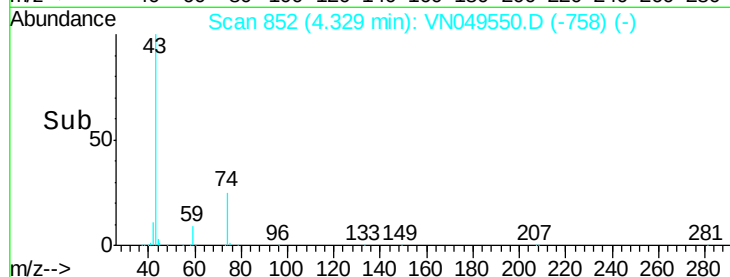
60000

40000

20000

0

Time--> 4.20 4.30 4.40



#20

Methylene Chloride

Concen: 4.85 ug/l

RT: 4.55 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN049550.D

Acq: 26 Jun 2018 14:14

Tgt Ion: 84 Resp: 91453

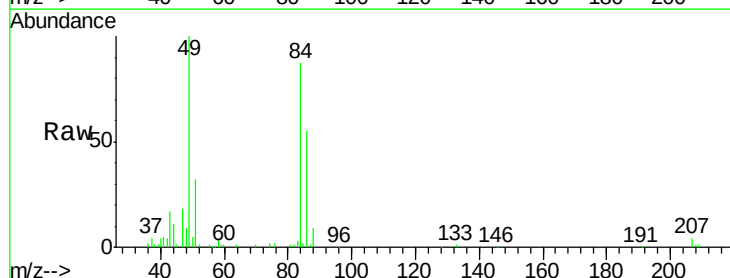
Ion Ratio Lower Upper

84 100

49 115.5 106.9 160.3

51 36.6 32.7 49.1

86 64.1 49.8 74.8



Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

50000

40000

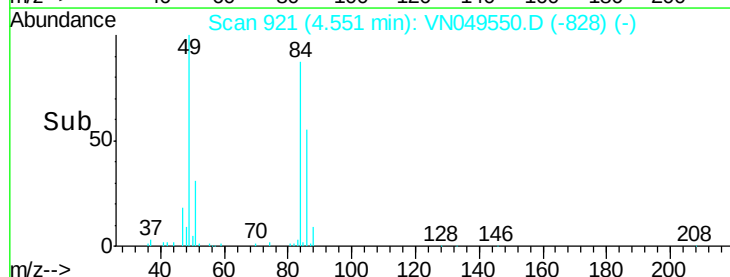
30000

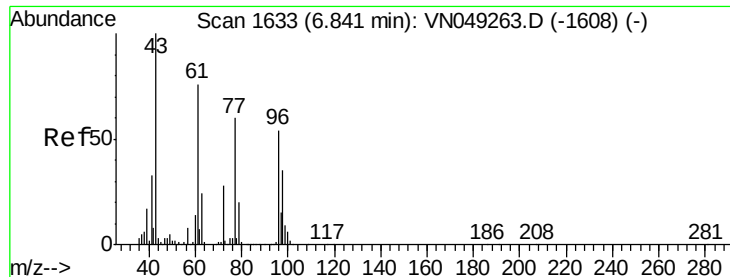
20000

10000

0

Time--> 4.40 4.50 4.60 4.70





#25

2-Butanone

Concen: 1.95 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.00 min

Lab File: VN049550.D

Acq: 26 Jun 2018 14:14

Instrument :

MSVOA_N

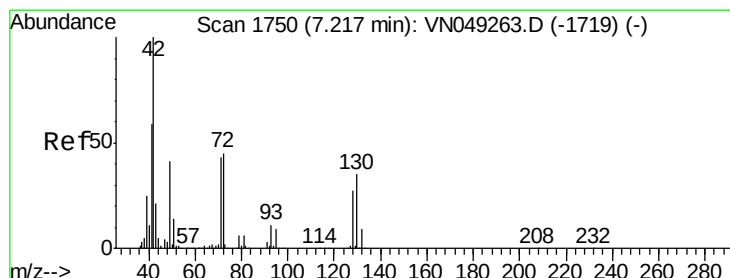
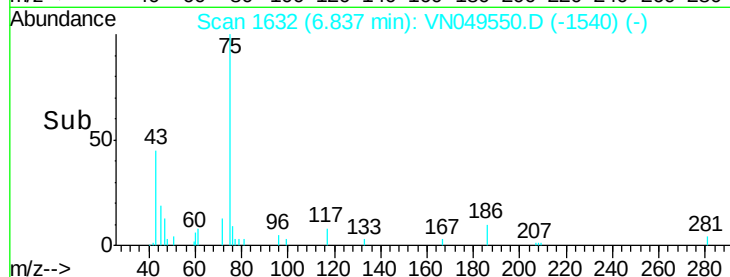
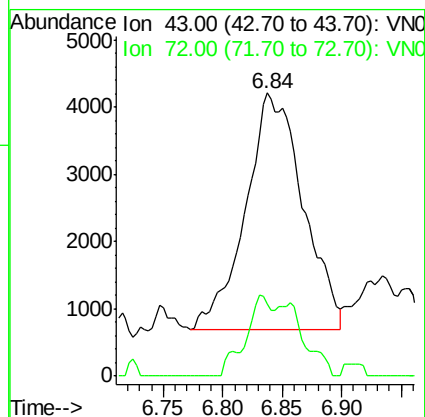
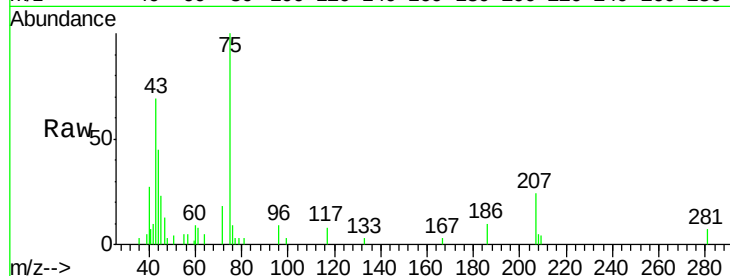
ClientSampled :

Tot Ion: 43 Resp: 11850

Ion Ratio Lower Upper

43 100

72 30.5 20.2 30.2#



#29

Tetrahydrofuran

Concen: 0.33 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN049550.D

Acq: 26 Jun 2018 14:14

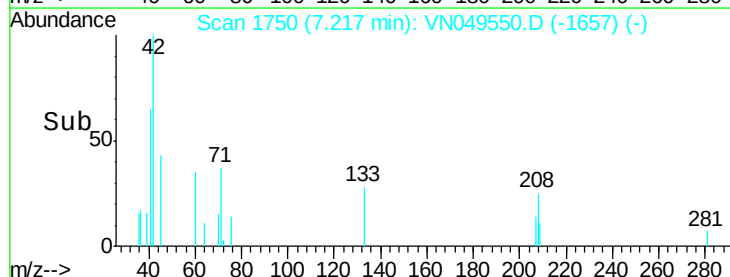
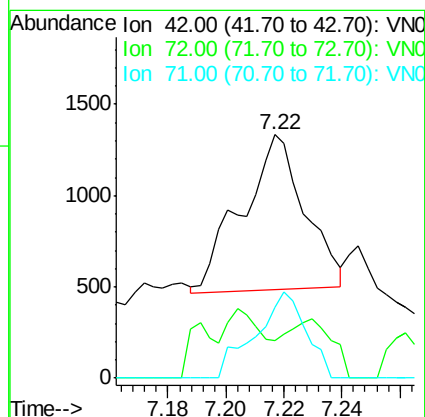
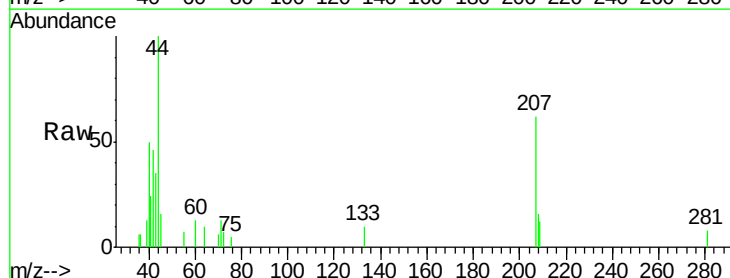
Tgt Ion: 42 Resp: 1289

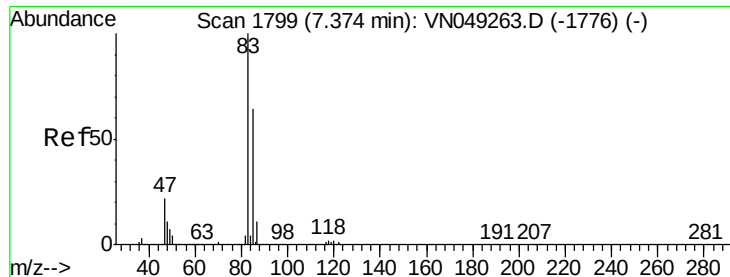
Ion Ratio Lower Upper

42 100

72 27.0 32.2 48.4#

71 44.3 30.5 45.7

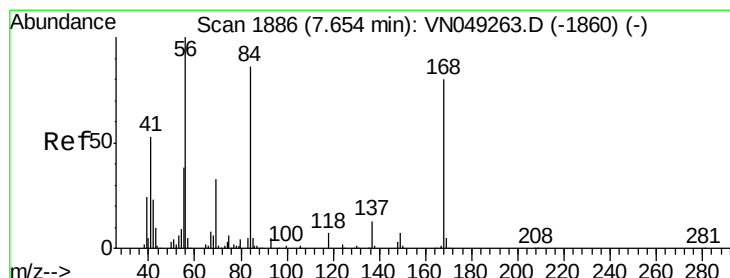
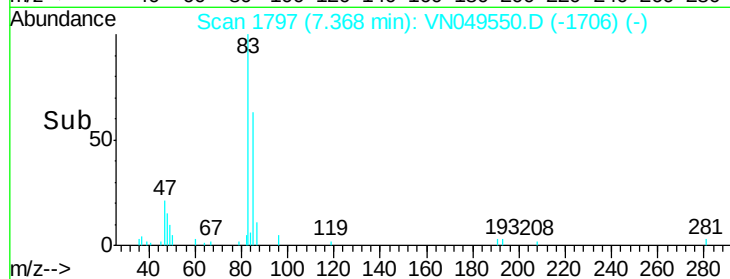
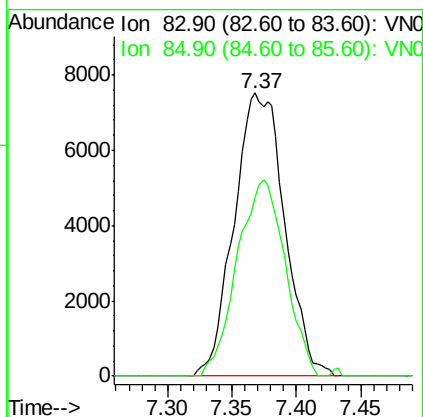
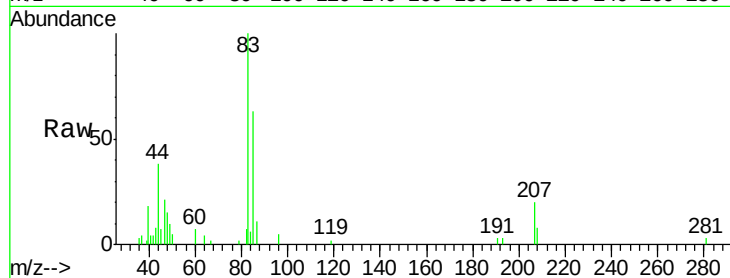




#30
Chloroform
Concen: 0.63 ug/l
RT: 7.37 min Scan# 1797
Delta R.T. -0.01 min
Lab File: VN049550.D
Acq: 26 Jun 2018 14:14

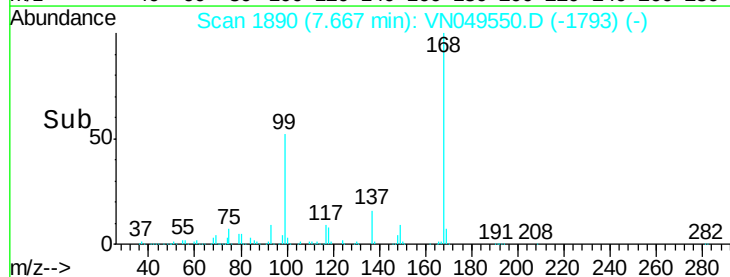
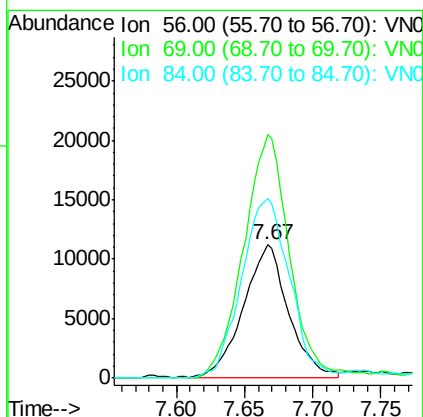
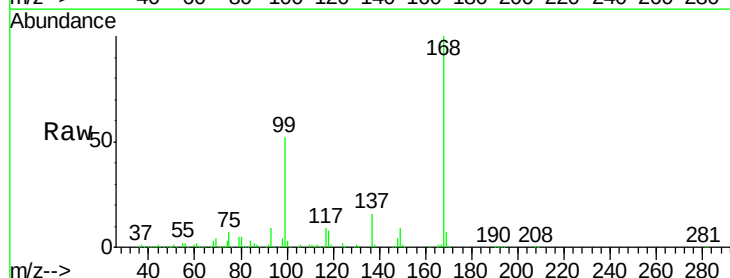
Instrument :
MSVOA_N
ClientSampleId :

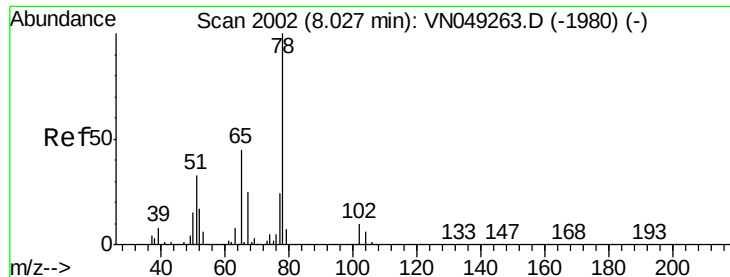
Tot Ion: 83 Resp: 20499
Ion Ratio Lower Upper
83 100
85 63.1 51.7 77.5



#31
Cyclohexane
Concen: 0.77 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049550.D
Acq: 26 Jun 2018 14:14

Tgt Ion: 56 Resp: 25975
Ion Ratio Lower Upper
56 100
69 182.5 25.0 37.4#
84 134.5 64.6 96.8#

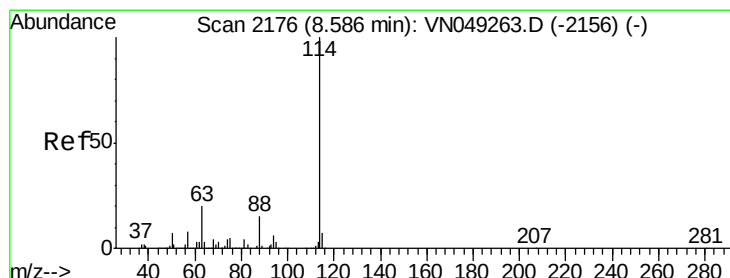
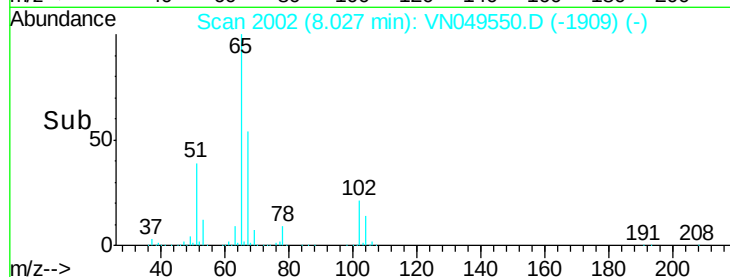
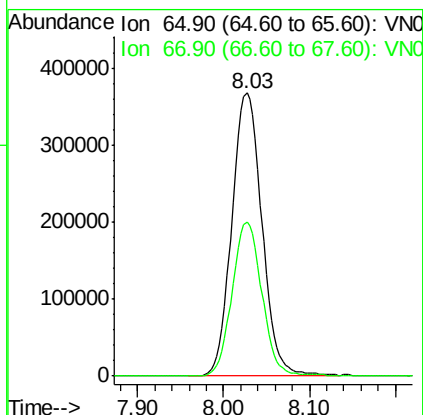
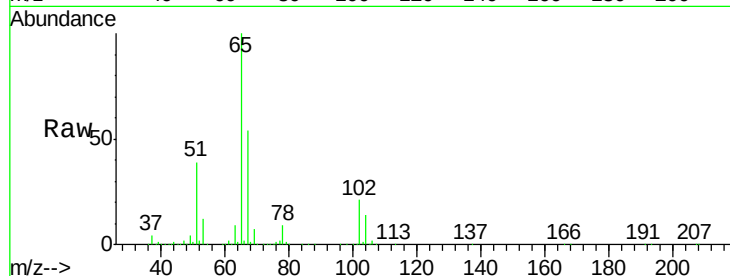




#33
 1,2-Dichloroethane-d4
 Concen: 48.28 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049550.D
 Acq: 26 Jun 2018 14:14

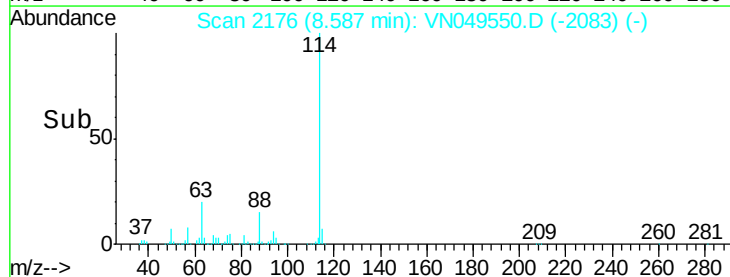
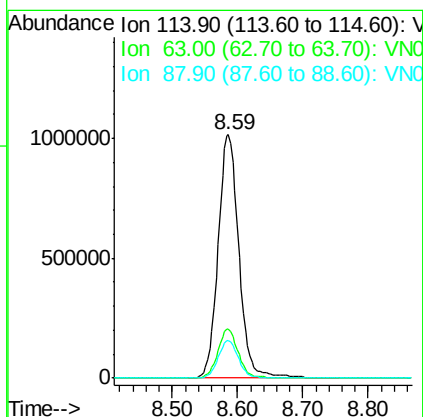
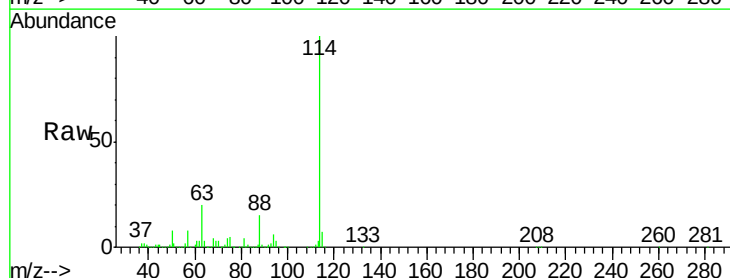
Instrument :
 MSVOA_N
 ClientSampleId :

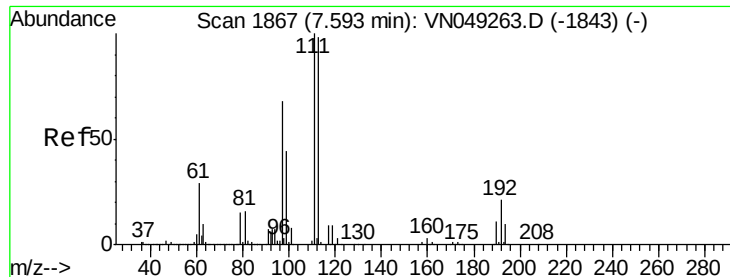
Tot Ion: 65 Resp: 898523
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049550.D
 Acq: 26 Jun 2018 14:14

Tgt Ion: 114 Resp: 2246024
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 44.4
 88 15.2 0.0 31.4

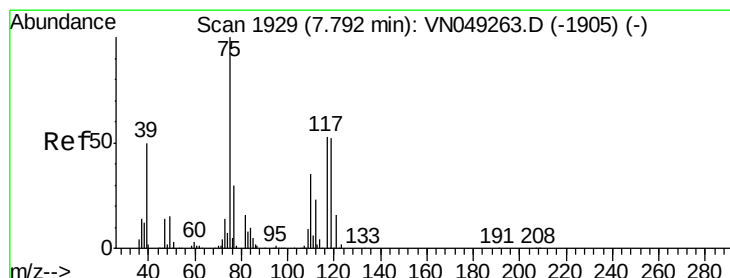
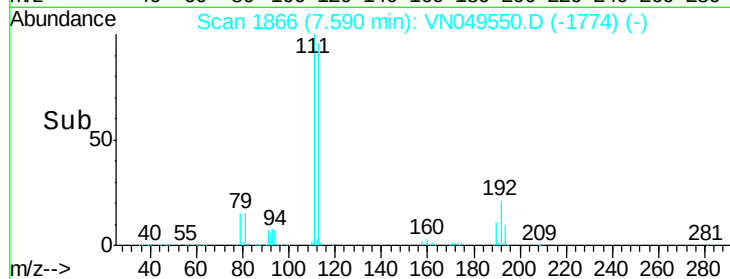
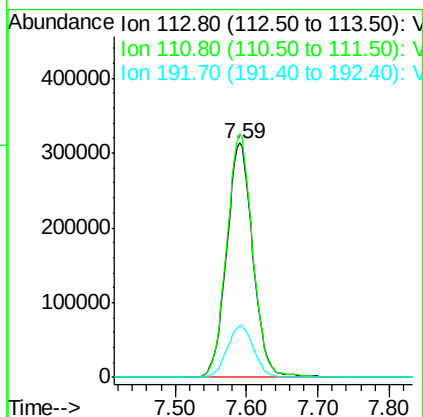
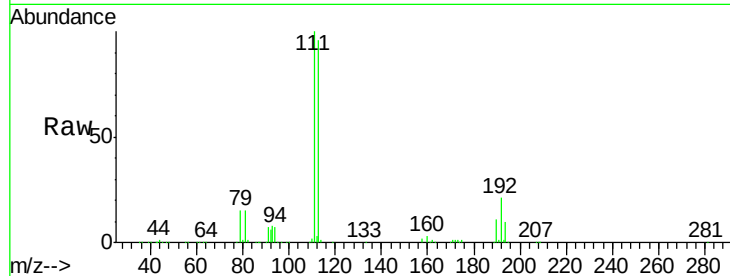




#35
 Dibromofluoromethane
 Concen: 44.16 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049550.D
 Acq: 26 Jun 2018 14:14

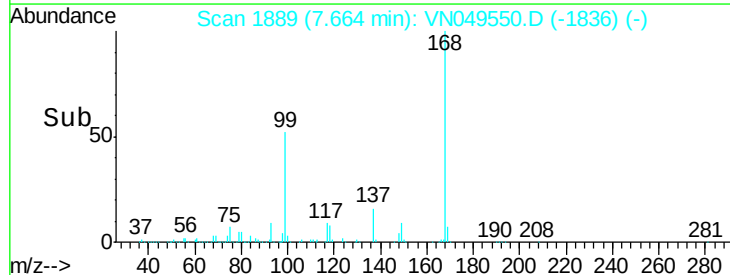
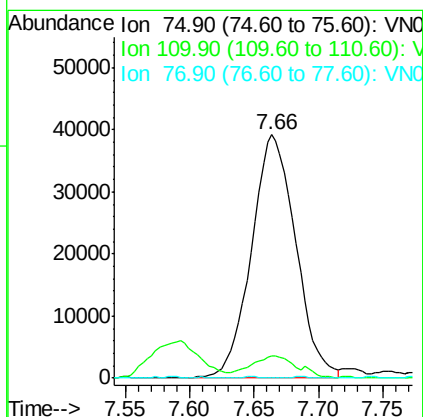
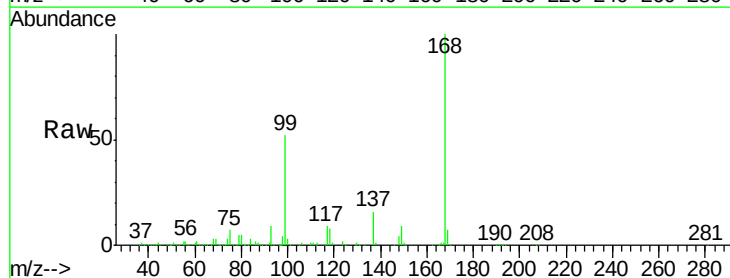
Instrument :
 MSVOA_N
 ClientSampleId :

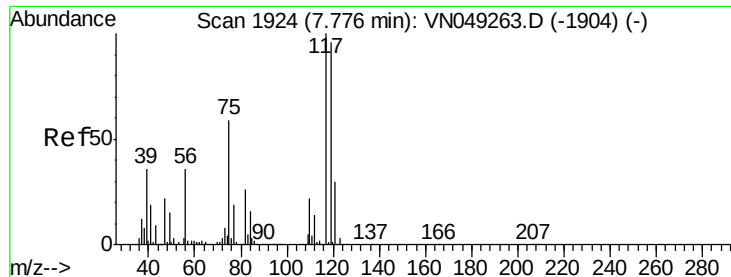
Tot Ion:113 Resp: 802483
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.4 123.6
 192 22.4 15.0 22.6



#36
 1,1-Dichloropropene
 Concen: 3.64 ug/l
 RT: 7.66 min Scan# 1889
 Delta R.T. -0.13 min
 Lab File: VN049550.D
 Acq: 26 Jun 2018 14:14

Tgt Ion: 75 Resp: 93675
 Ion Ratio Lower Upper
 75 100
 110 5.4 17.0 50.9#
 77 0.0 24.4 36.6#

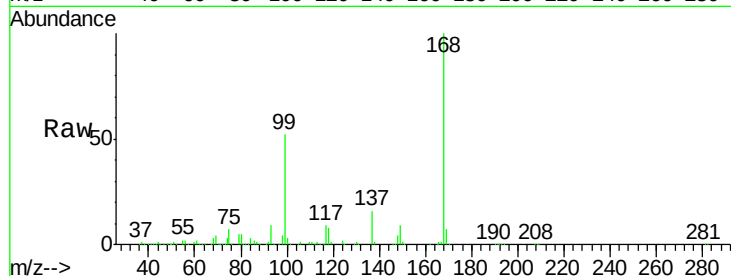




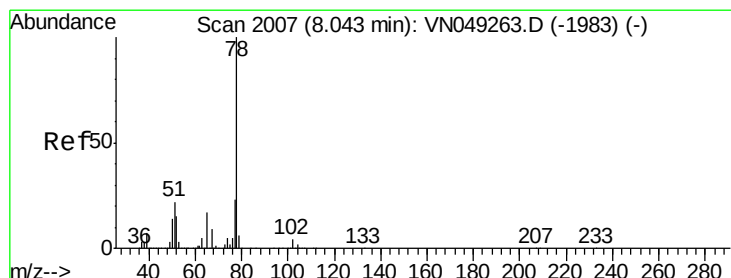
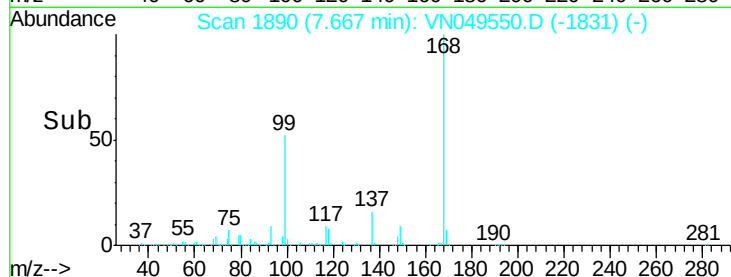
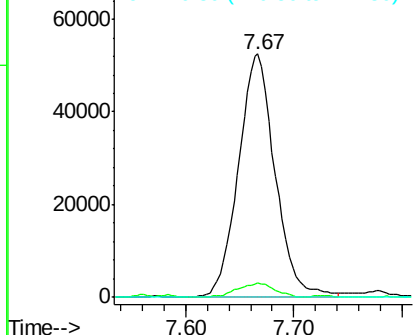
#38
Carbon Tetrachloride
Concen: 4.66 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049550.D
Acq: 26 Jun 2018 14:14

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 124123
Ion Ratio Lower Upper
117 100
119 5.8 75.6 113.4#
121 0.0 24.7 37.1#

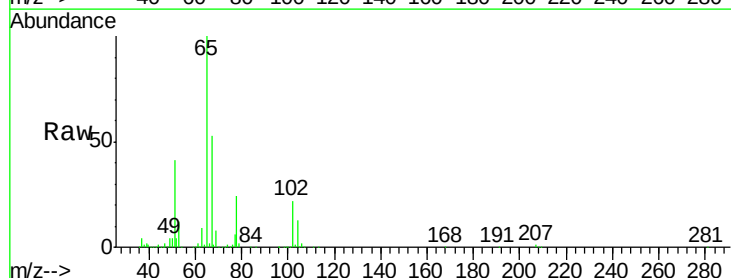


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

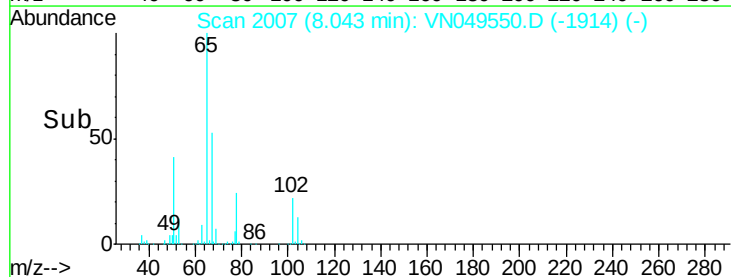
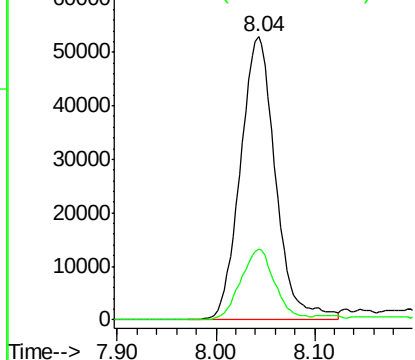


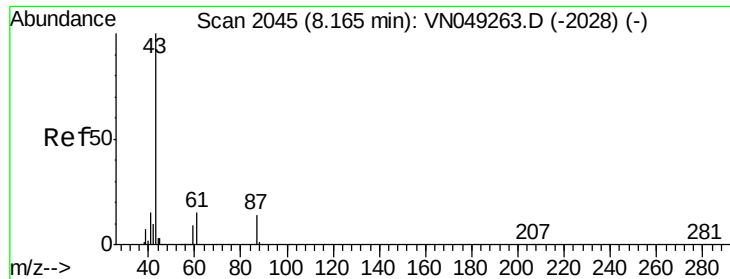
#40
Benzene
Concen: 1.65 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049550.D
Acq: 26 Jun 2018 14:14

Tgt Ion: 78 Resp: 130547
Ion Ratio Lower Upper
78 100
77 24.7 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#43

Isopropyl Acetate

Concen: 65.04 ug/l

RT: 8.31 min Scan# 2090

Delta R.T. 0.14 min

Lab File: VN049550.D

Acq: 26 Jun 2018 14:14

Instrument :

MSVOA_N

ClientSampleId :

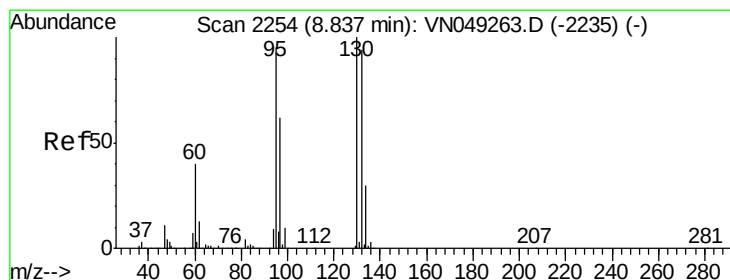
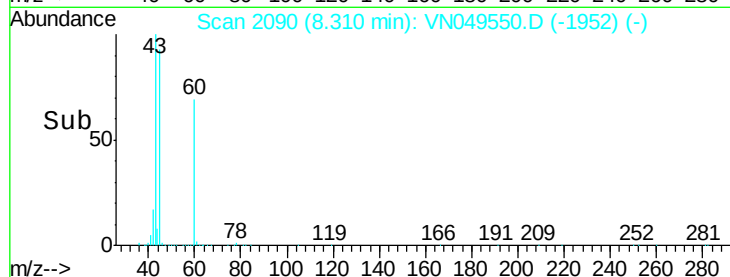
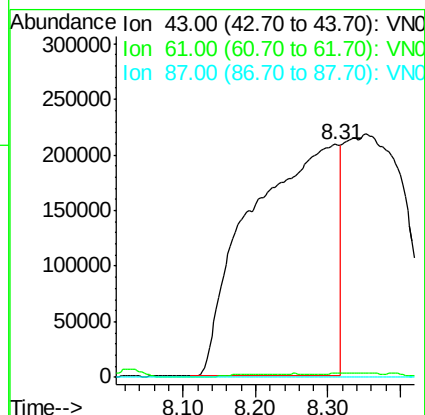
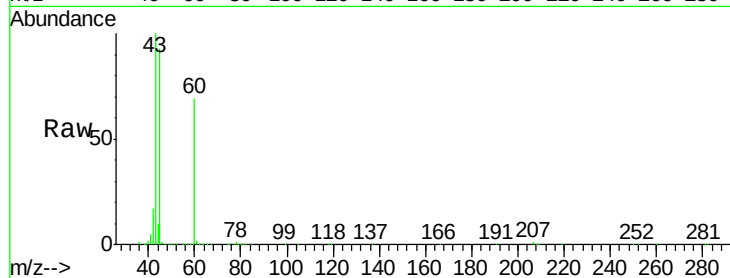
Tot Ion: 43 Resp: 1738942

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

87 0.0 9.4 14.0#



#44

Trichloroethene

Concen: 1.16 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN049550.D

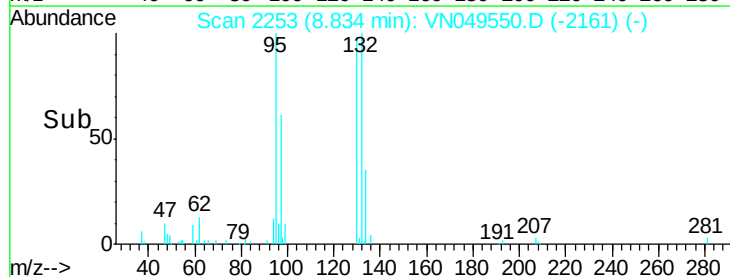
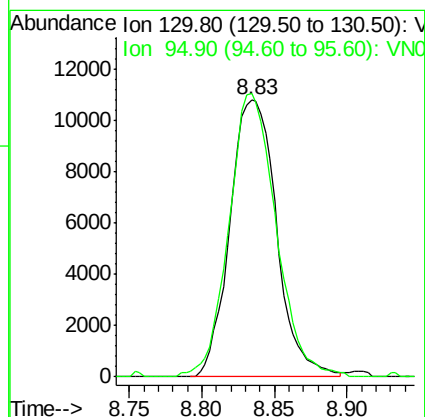
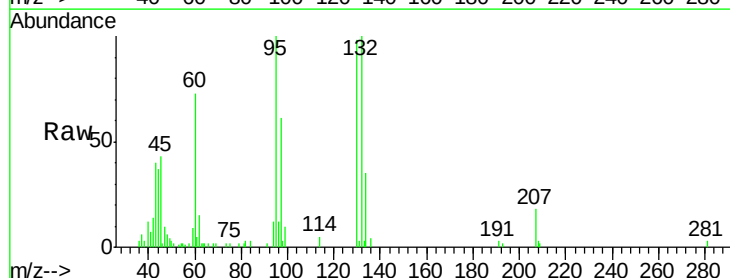
Acq: 26 Jun 2018 14:14

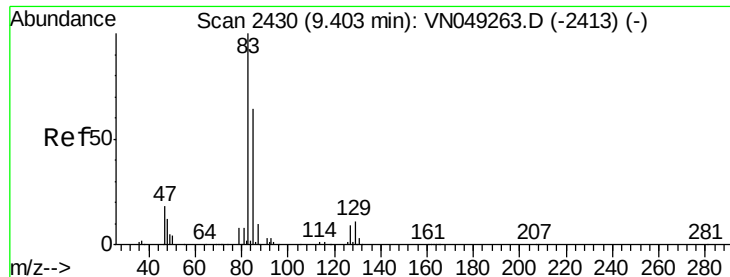
Tgt Ion: 130 Resp: 24232

Ion Ratio Lower Upper

130 100

95 100.5 0.0 208.6





#47

Bromodichloromethane

Concen: 0.36 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049550.D

Acq: 26 Jun 2018 14:14

Instrument :

MSVOA_N

ClientSampled :

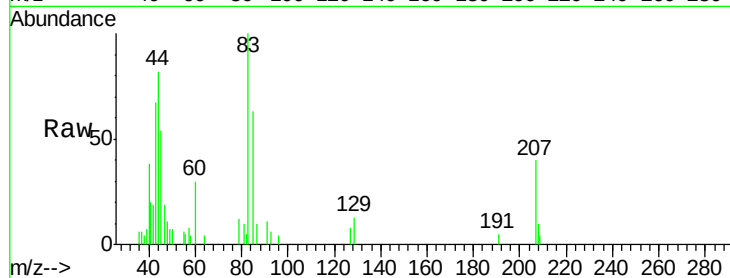
Tot Ion: 83 Resp: 9408

Ion Ratio Lower Upper

83 100

85 62.7 49.4 74.0

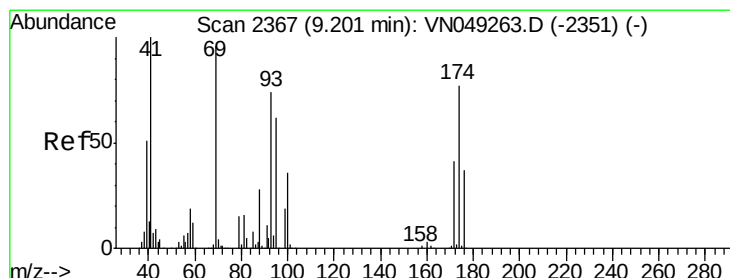
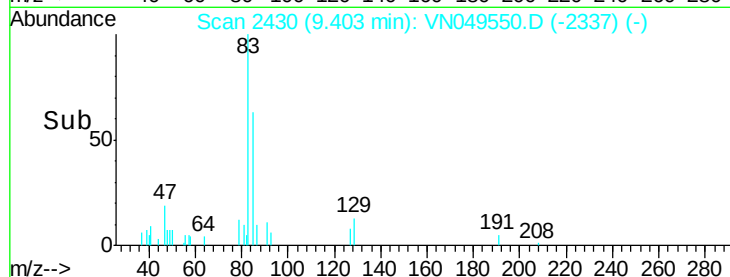
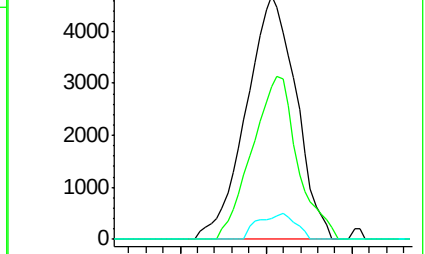
127 8.5 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN049550.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049550.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049550.D (-2337) (-)



#49

1,4-Dioxane

Concen: 2.65 ug/l

RT: 9.21 min Scan# 2369

Delta R.T. 0.01 min

Lab File: VN049550.D

Acq: 26 Jun 2018 14:14

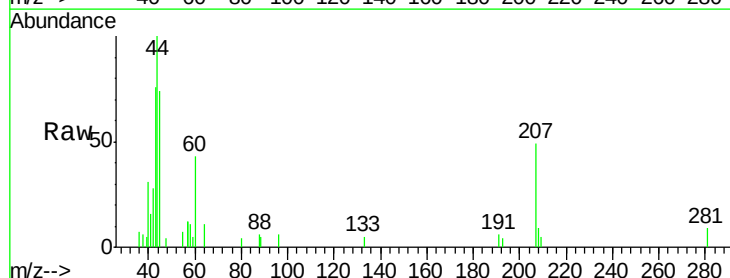
Tgt Ion: 88 Resp: 460

Ion Ratio Lower Upper

88 100

43 162.0 30.9 46.3#

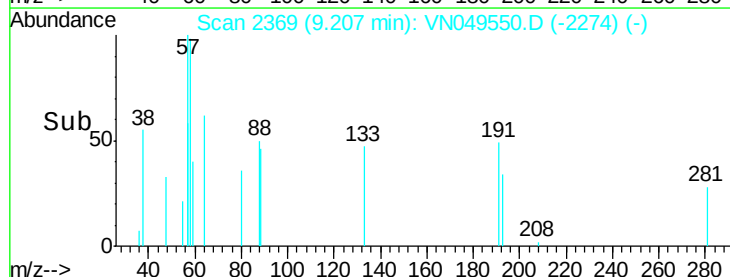
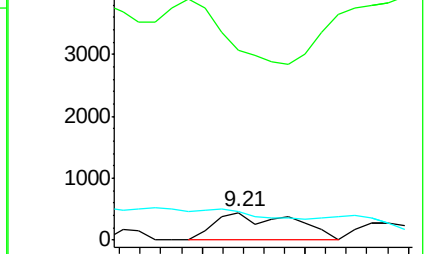
58 0.0 58.9 88.3#

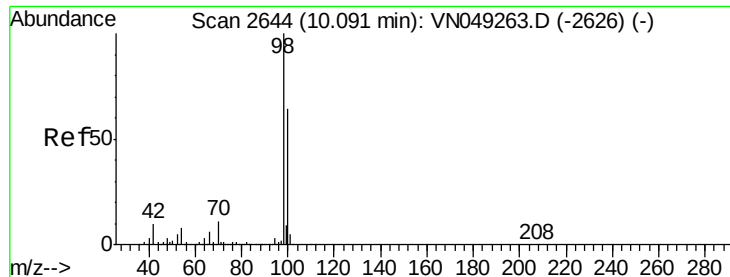


Abundance Ion 88.00 (87.70 to 88.70): VN049550.D (-2274) (-)

Ion 43.00 (42.70 to 43.70): VN049550.D (-2274) (-)

Ion 58.00 (57.70 to 58.70): VN049550.D (-2274) (-)

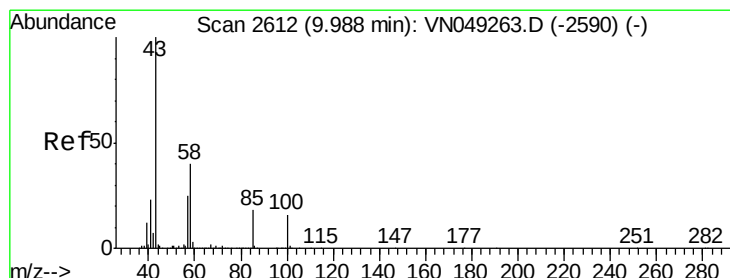
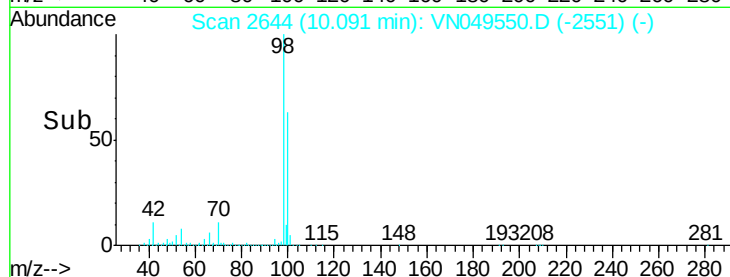
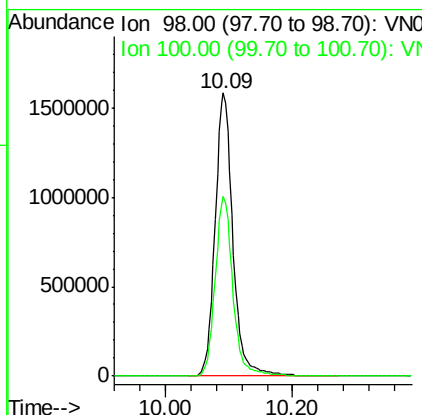
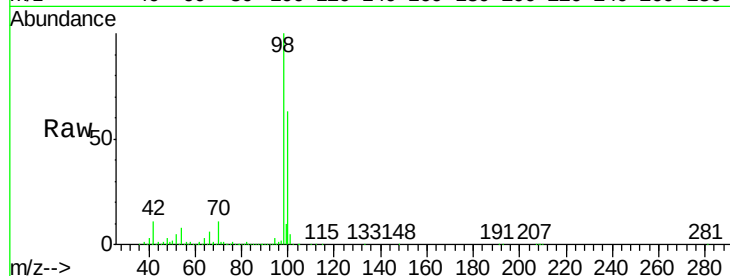




#50
Toluene-d8
Concen: 44.22 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049550.D
Acq: 26 Jun 2018 14:14

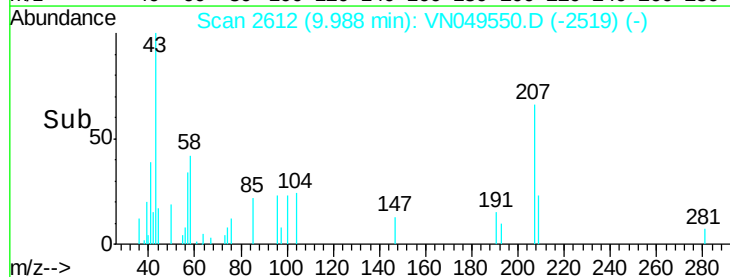
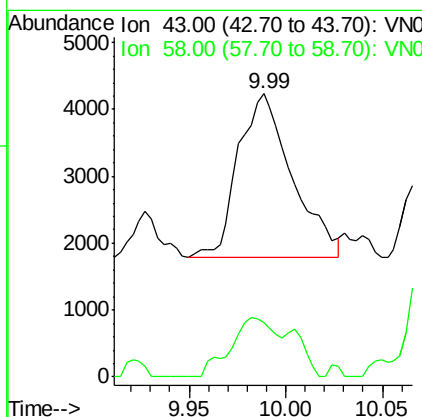
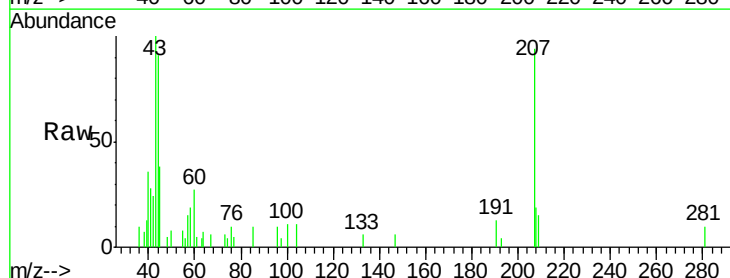
Instrument :
MSVOA_N
ClientSampleId :

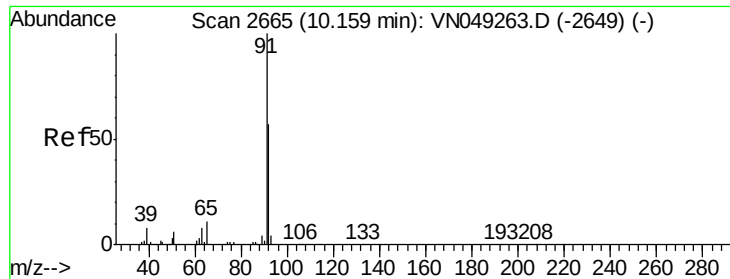
Tot Ion: 98 Resp: 3059402
Ion Ratio Lower Upper
98 100
100 63.5 49.8 74.8



#51
4-Methyl-2-Pentanone
Concen: 0.34 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049550.D
Acq: 26 Jun 2018 14:14

Tgt Ion: 43 Resp: 4786
Ion Ratio Lower Upper
43 100
58 30.2 29.0 43.6





#52

Toluene

Concen: 0.24 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN049550.D

Acq: 26 Jun 2018 14:14

Instrument :

MSVOA_N

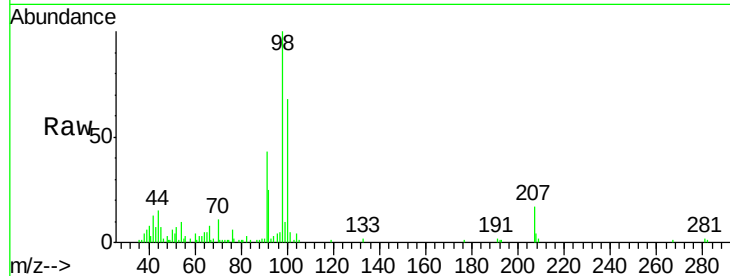
ClientSampled :

Tot Ion: 92 Resp: 11299

Ion Ratio Lower Upper

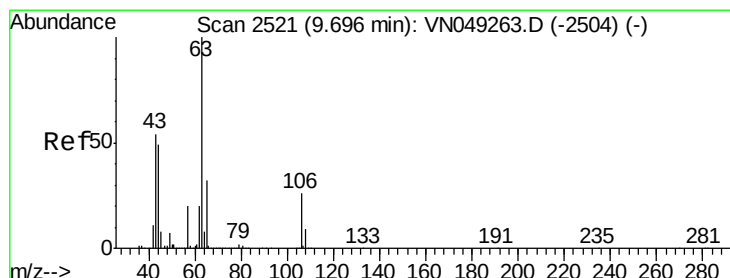
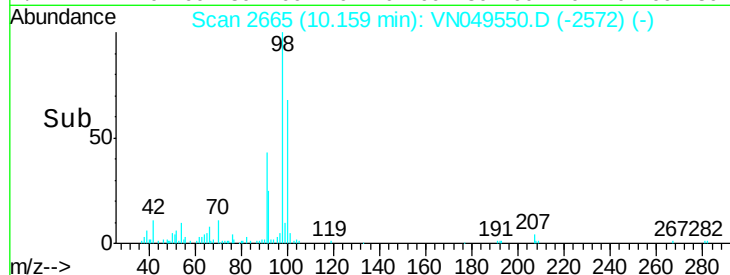
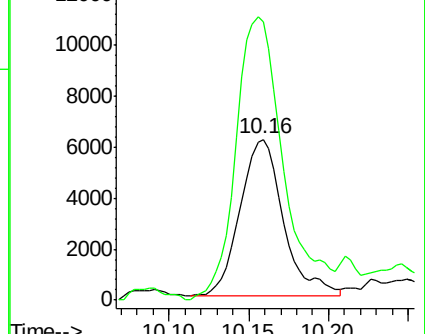
92 100

91 202.0 143.4 215.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 14.34 ug/l

RT: 9.69 min Scan# 2520

Delta R.T. -0.00 min

Lab File: VN049550.D

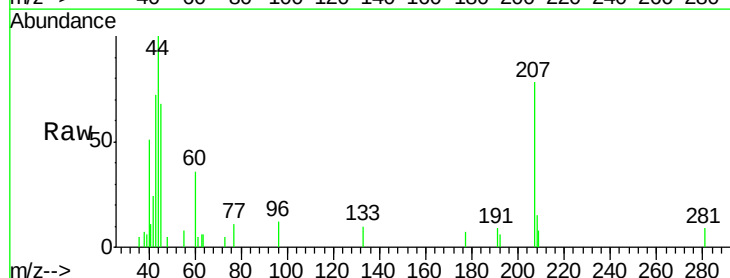
Acq: 26 Jun 2018 14:14

Tgt Ion: 63 Resp: 66

Ion Ratio Lower Upper

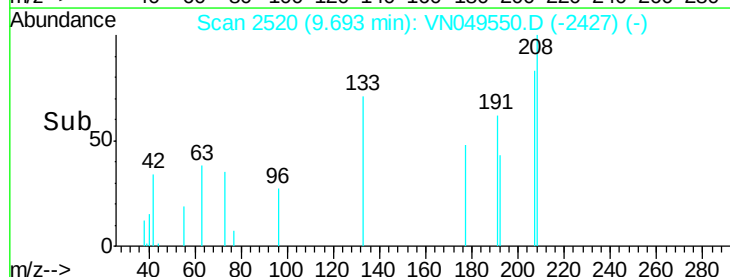
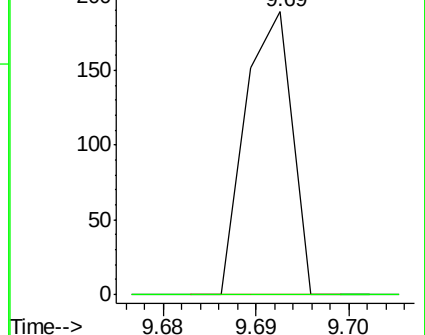
63 100

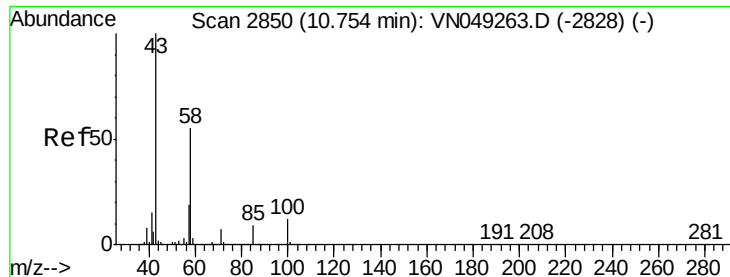
106 0.0 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 0.37 ug/l

RT: 10.75 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VN049550.D

Acq: 26 Jun 2018 14:14

Instrument :

MSVOA_N

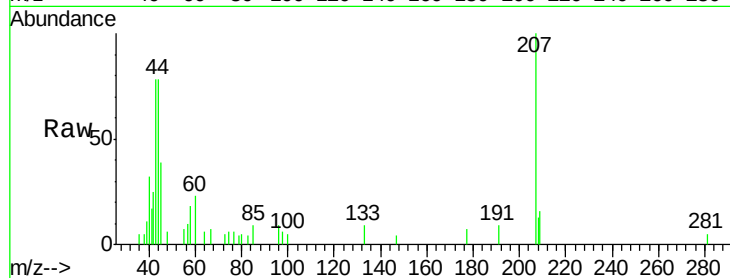
ClientSampled :

Tot Ion: 43 Resp: 3384

Ion Ratio Lower Upper

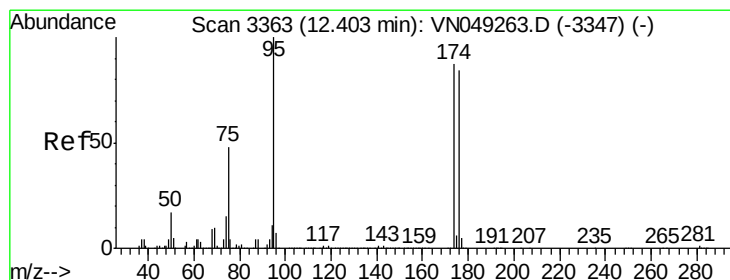
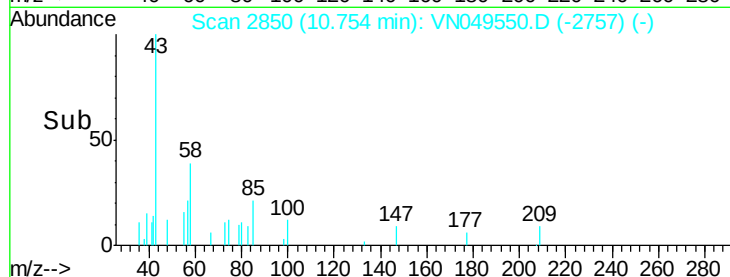
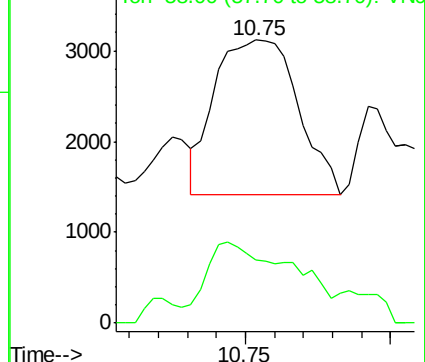
43 100

58 45.1 25.2 75.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 40.81 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049550.D

Acq: 26 Jun 2018 14:14

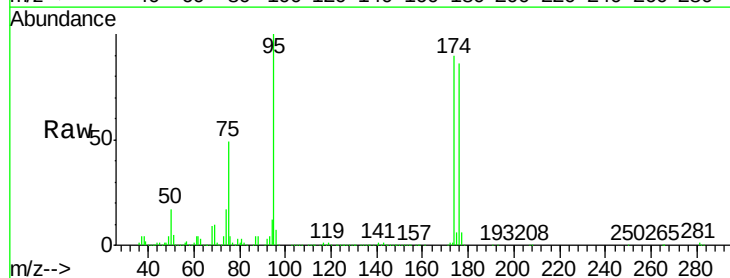
Tgt Ion: 95 Resp: 933591

Ion Ratio Lower Upper

95 100

174 89.5 0.0 165.6

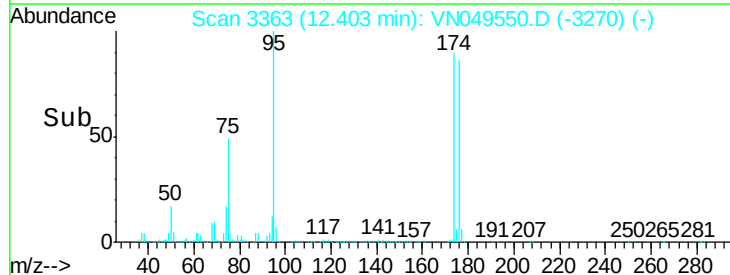
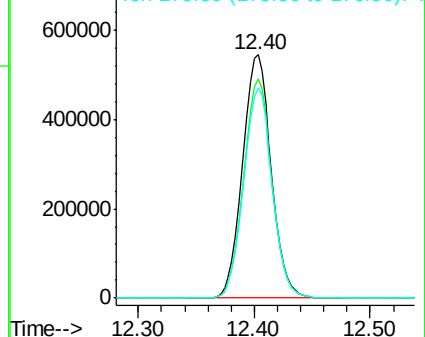
176 86.4 0.0 157.4

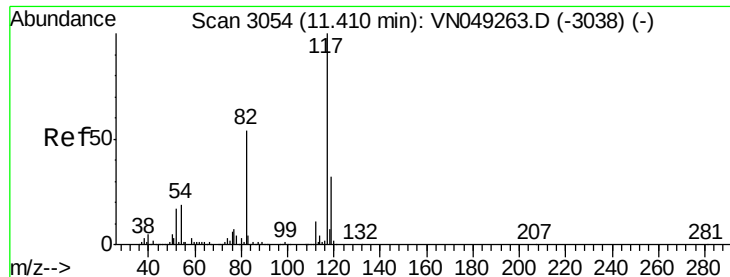


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049550.D

Acq: 26 Jun 2018 14:14

Instrument :

MSVOA_N

ClientSampled :

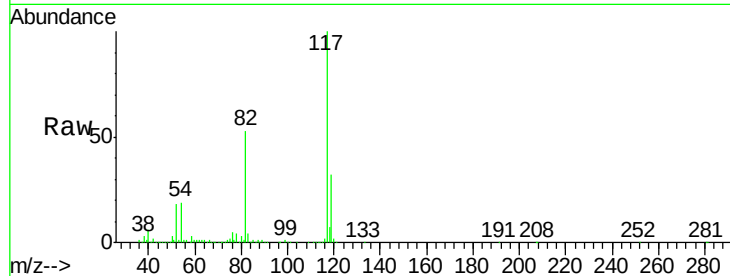
Tot Ion:117 Resp: 1890550

Ion Ratio Lower Upper

117 100

82 53.2 45.9 68.9

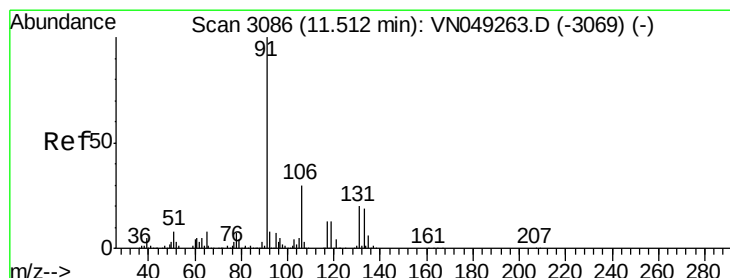
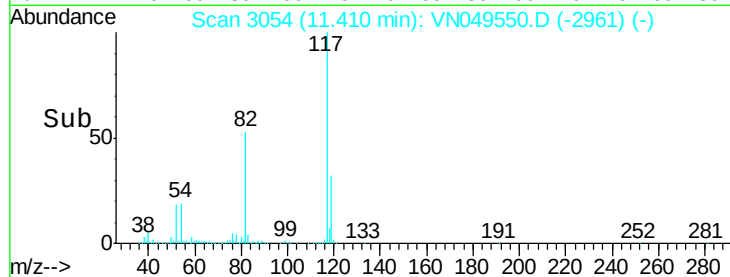
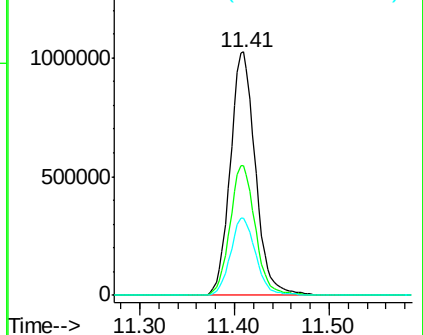
119 31.8 25.5 38.3



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



#67

Ethyl Benzene

Concen: 0.24 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN049550.D

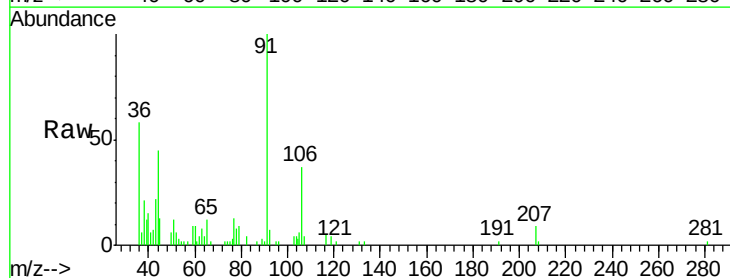
Acq: 26 Jun 2018 14:14

Tgt Ion: 91 Resp: 19540

Ion Ratio Lower Upper

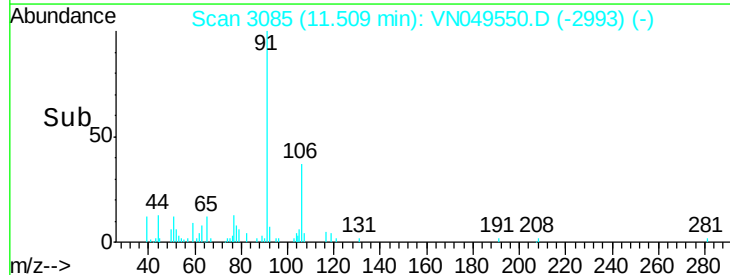
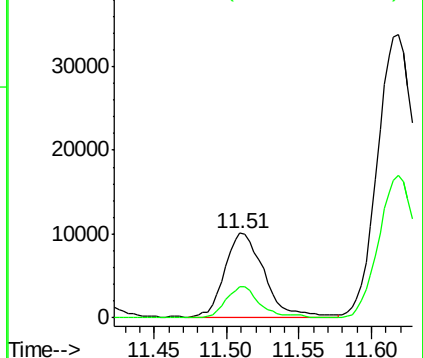
91 100

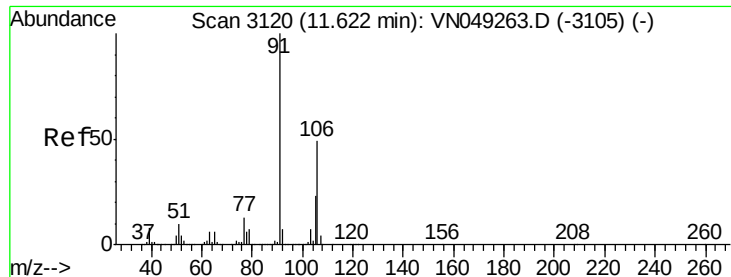
106 36.7 23.9 35.9#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

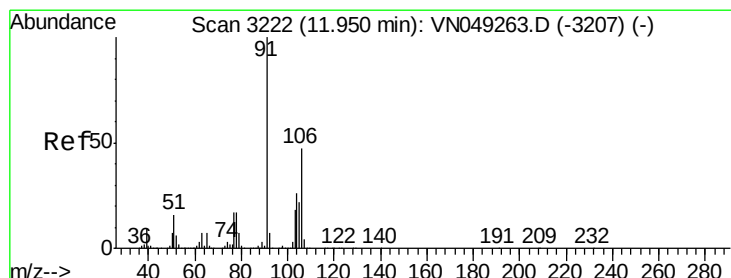
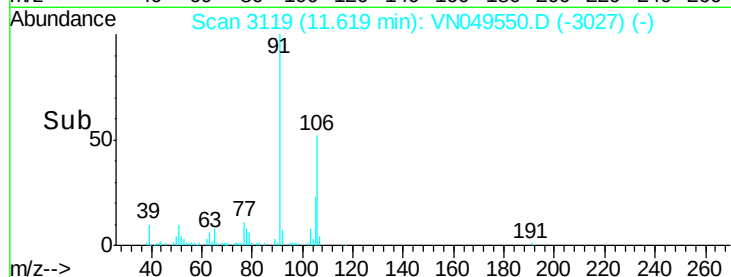
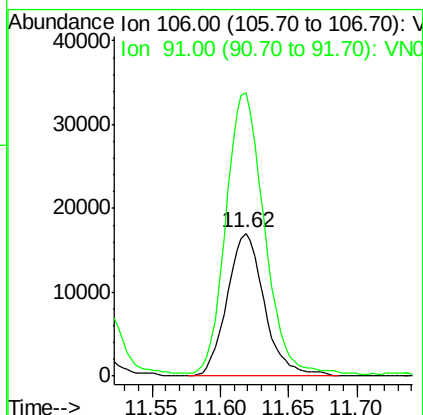
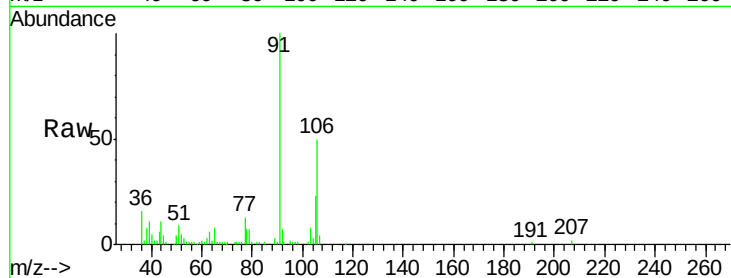




#68
m/p-Xylenes
Concen: 1.07 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. -0.00 min
Lab File: VN049550.D
Acq: 26 Jun 2018 14:14

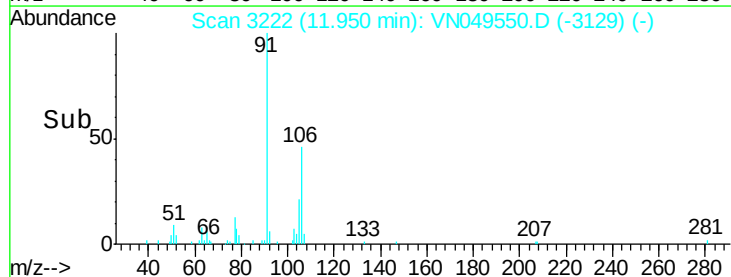
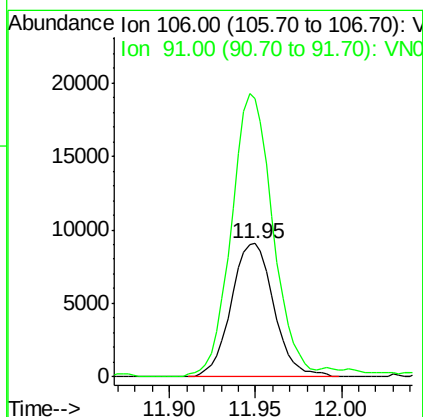
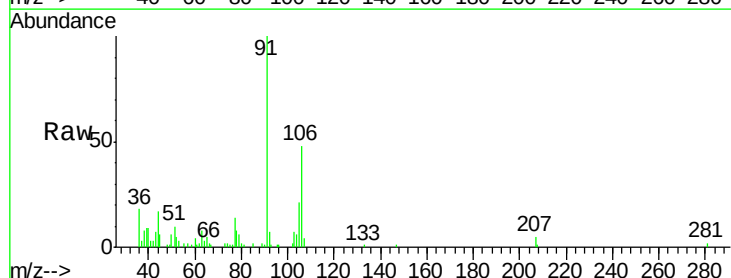
Instrument :
MSVOA_N
ClientSampled :

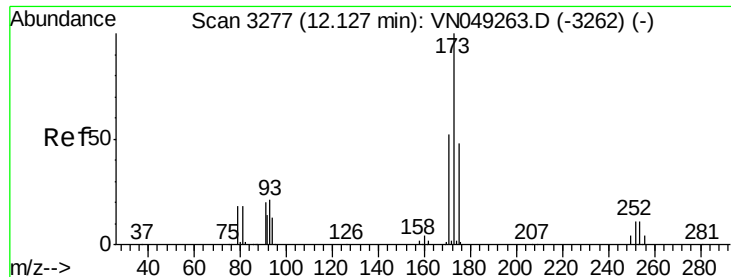
Tot Ion:106 Resp: 32364
Ion Ratio Lower Upper
106 100
91 203.7 167.3 250.9



#69
o-Xylene
Concen: 0.54 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049550.D
Acq: 26 Jun 2018 14:14

Tgt Ion:106 Resp: 15711
Ion Ratio Lower Upper
106 100
91 206.3 111.0 333.0





#71

Bromoform

Concen: 0.37 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN049550.D

Acq: 26 Jun 2018 14:14

Instrument :

MSVOA_N

ClientSampleId :

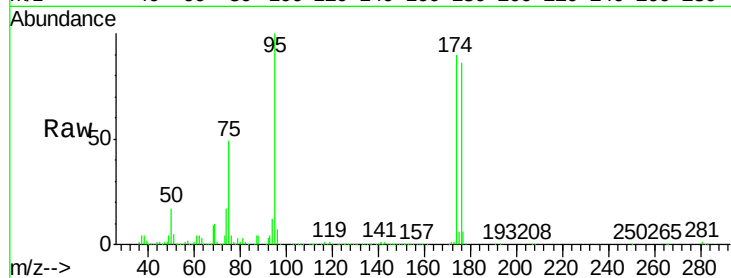
Tot Ion:173 Resp: 4427

Ion Ratio Lower Upper

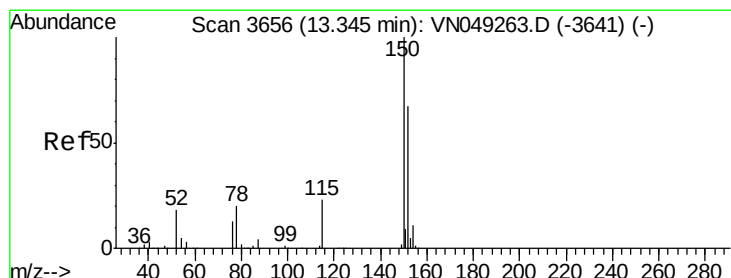
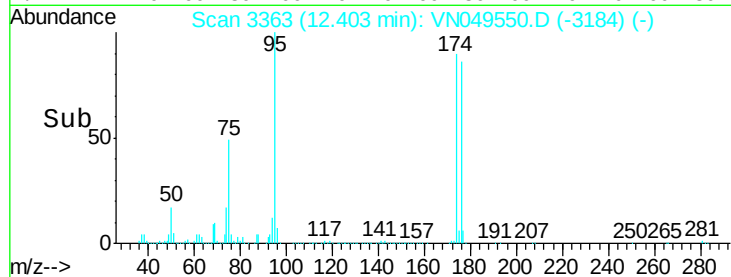
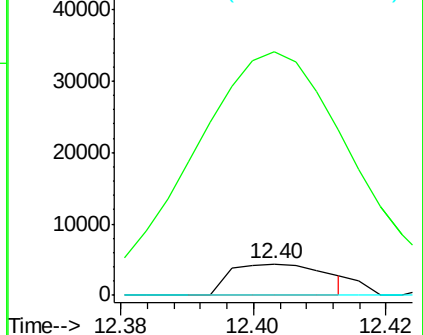
173 100

175 1118.8 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# 3656

Delta R.T. 0.00 min

Lab File: VN049550.D

Acq: 26 Jun 2018 14:14

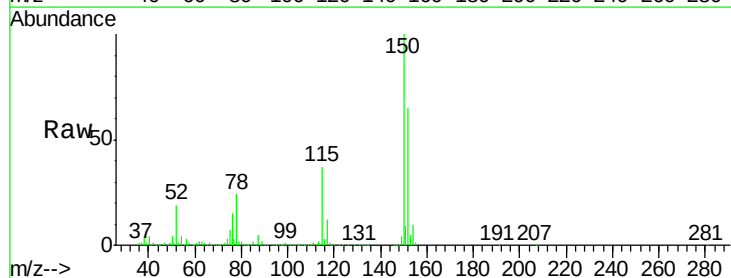
Tgt Ion:152 Resp: 830283

Ion Ratio Lower Upper

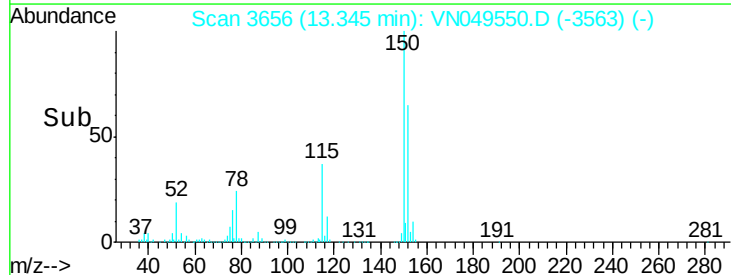
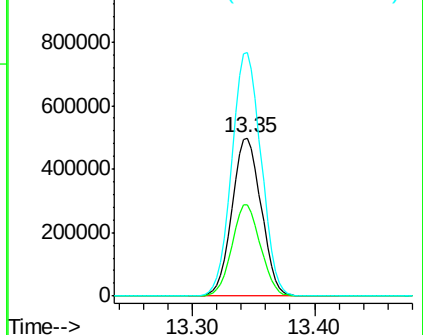
152 100

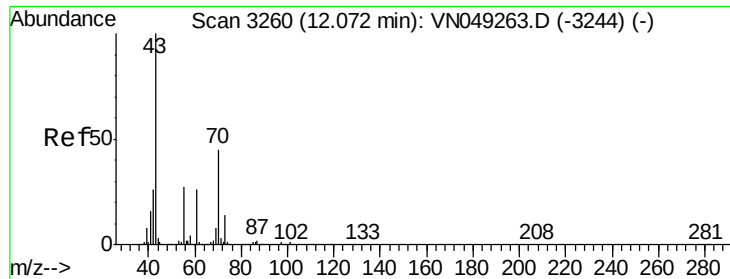
115 56.4 28.7 86.1

150 154.9 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: 0.30 ug/l

RT: 12.04 min Scan# 3250

Delta R.T. -0.03 min

Lab File: VN049550.D

Acq: 26 Jun 2018 14:14

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 43 Resp: 5443

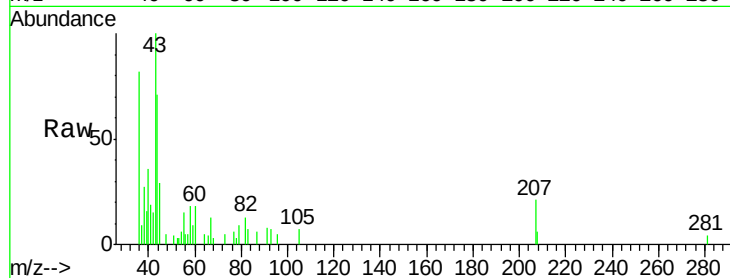
Ion Ratio Lower Upper

43 100

70 0.0 30.3 45.5#

55 0.0 19.4 29.2#

61 0.0 17.8 26.6#

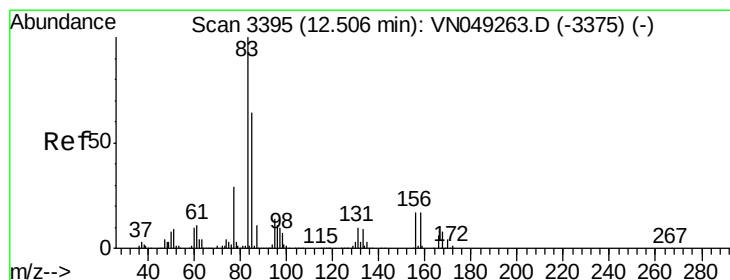
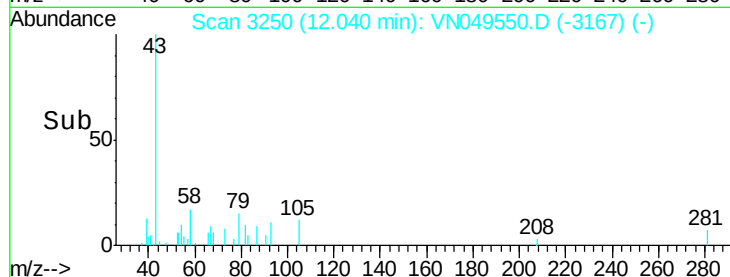
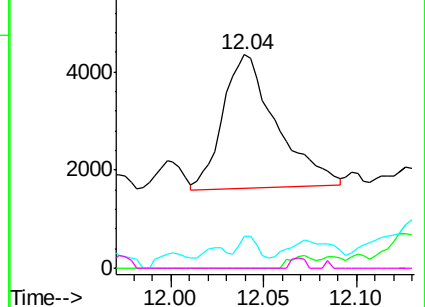


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 12.52 min Scan# 3398

Delta R.T. 0.01 min

Lab File: VN049550.D

Acq: 26 Jun 2018 14:14

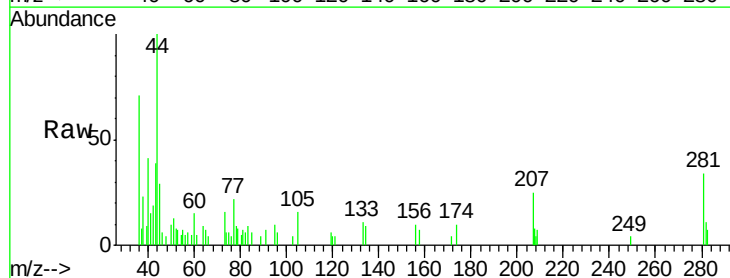
Tgt Ion: 83 Resp: 326

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

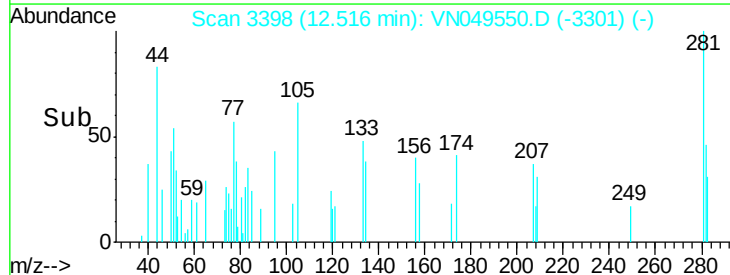
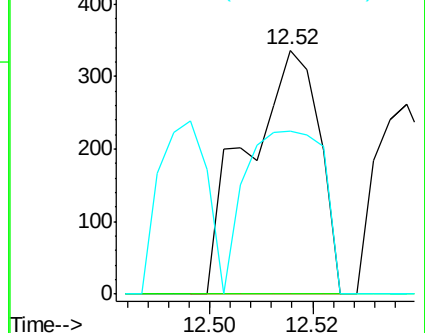
85 72.7 32.0 96.0

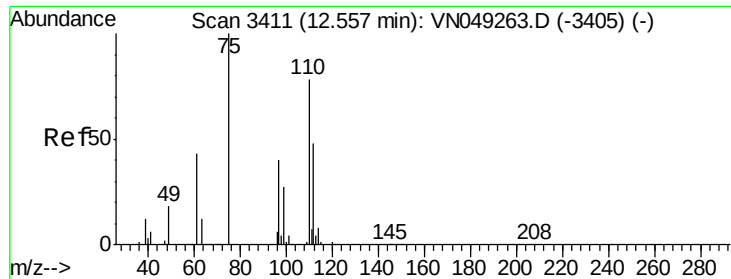


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 32.15 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049550.D

Acq: 26 Jun 2018 14:14

Instrument :

MSVOA_N

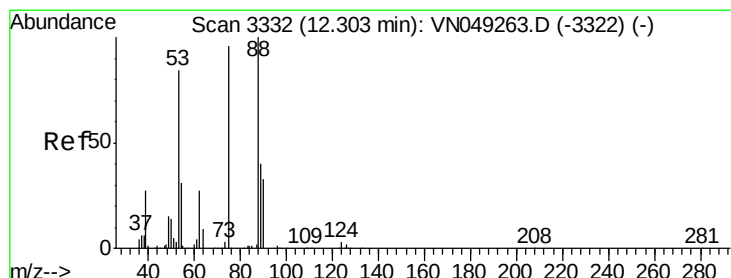
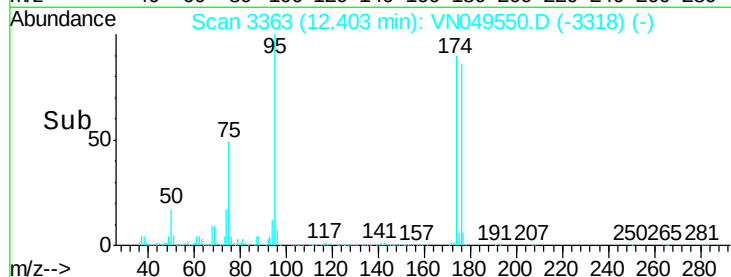
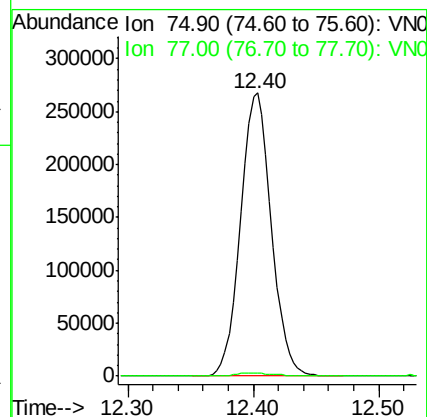
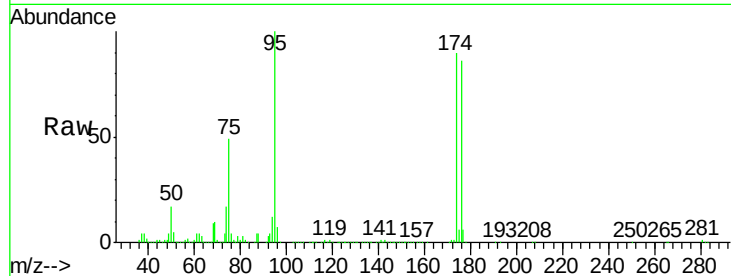
ClientSampleId :

Tot Ion: 75 Resp: 455478

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 101.62 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049550.D

Acq: 26 Jun 2018 14:14

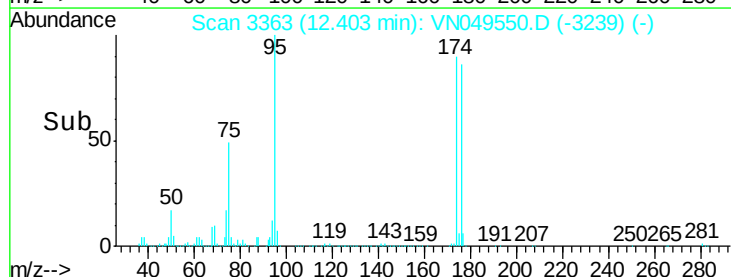
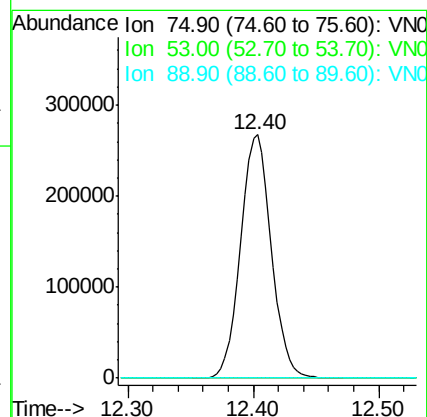
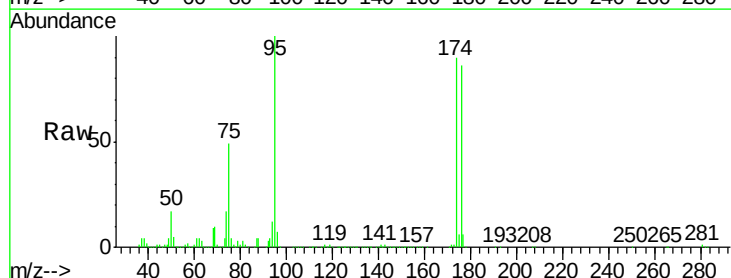
Tgt Ion: 75 Resp: 455478

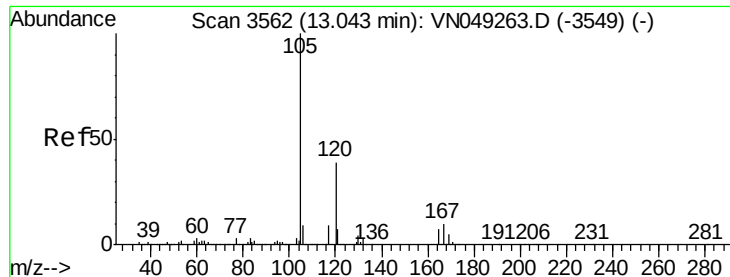
Ion Ratio Lower Upper

75 100

53 0.3 82.7 124.1#

89 0.0 36.5 54.7#





#84

1,2,4-Trimethylbenzene

Concen: 0.34 ua/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN049550.D

Acq: 26 Jun 2018 14:14

Instrument :

MSVOA_N

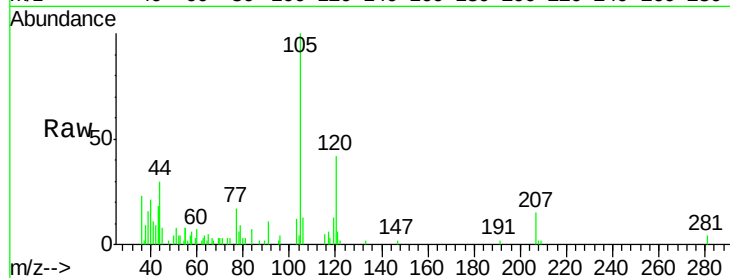
ClientSampled :

Tot Ion:105 Resp: 19571

Ion Ratio Lower Upper

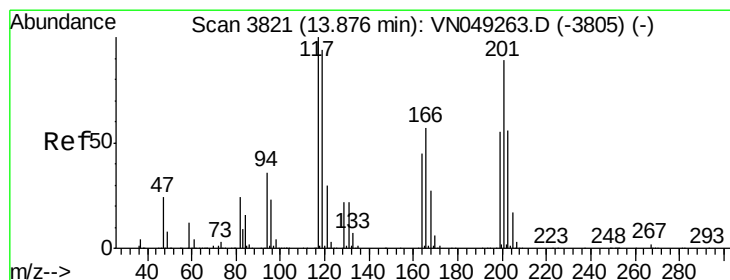
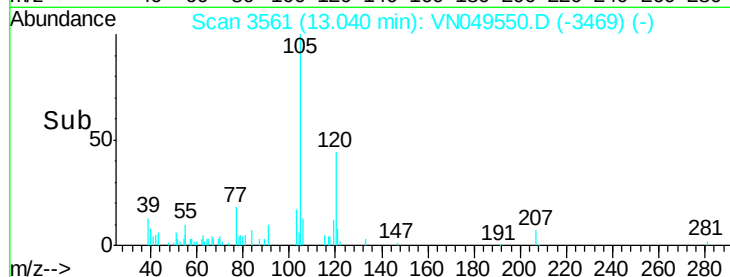
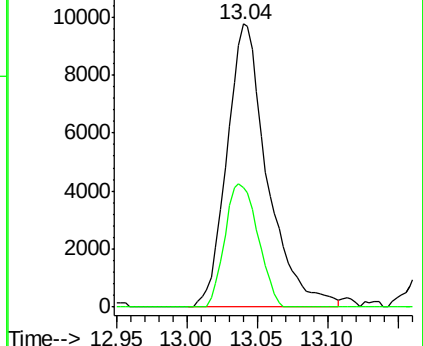
105 100

120 35.6 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#90

Hexachloroethane

Concen: Below Cal

RT: 13.88 min Scan# 3823

Delta R.T. 0.01 min

Lab File: VN049550.D

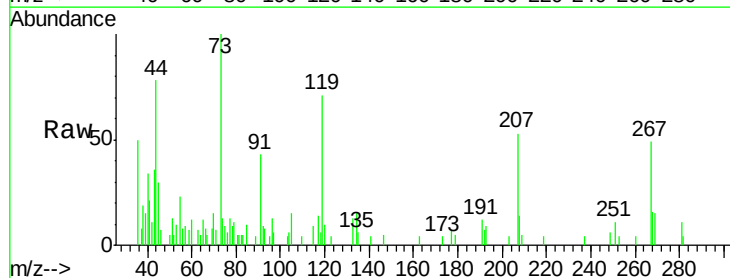
Acq: 26 Jun 2018 14:14

Tgt Ion:117 Resp: 1041

Ion Ratio Lower Upper

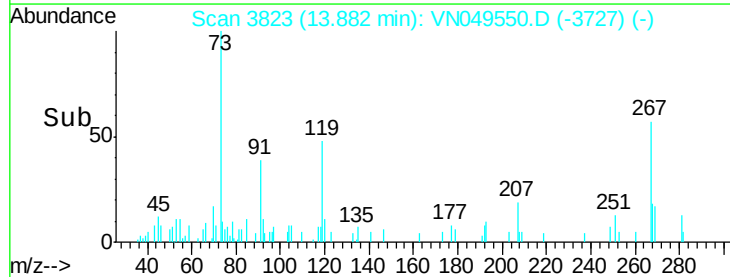
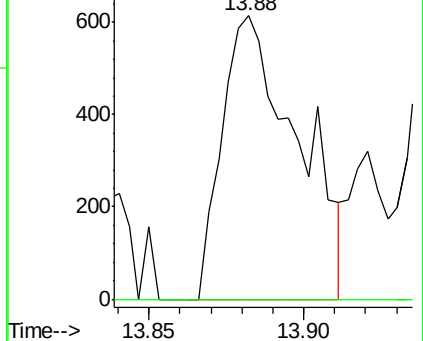
117 100

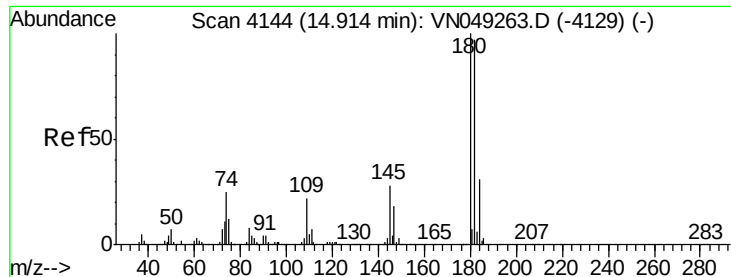
201 0.0 40.1 120.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

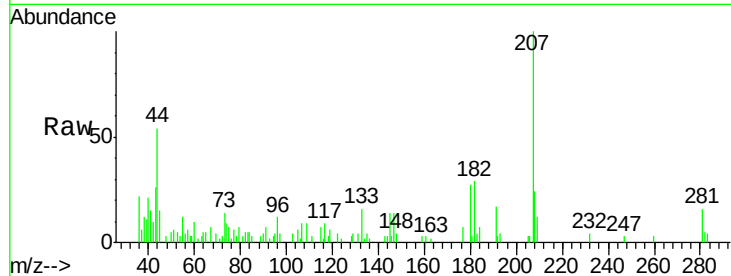




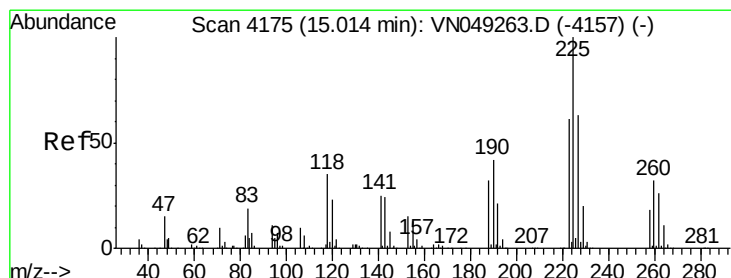
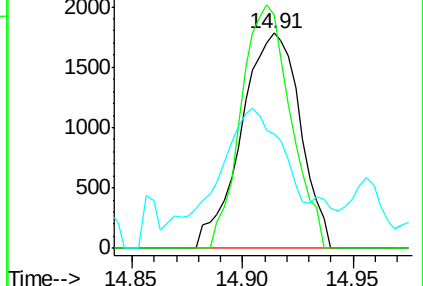
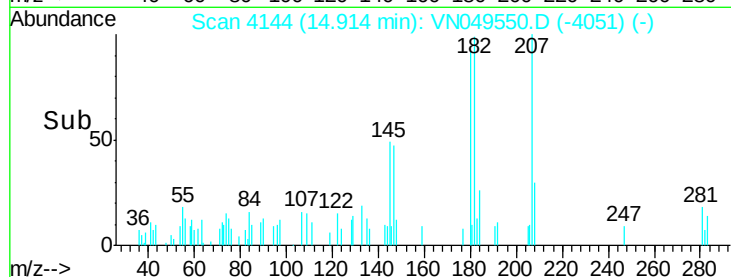
#93
 1,2,4-Trichlorobenzene
 Concen: 4.95 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049550.D
 Acq: 26 Jun 2018 14:14

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 3289
 Ion Ratio Lower Upper
 180 100
 182 95.7 46.9 140.8
 145 66.3 14.7 44.1#

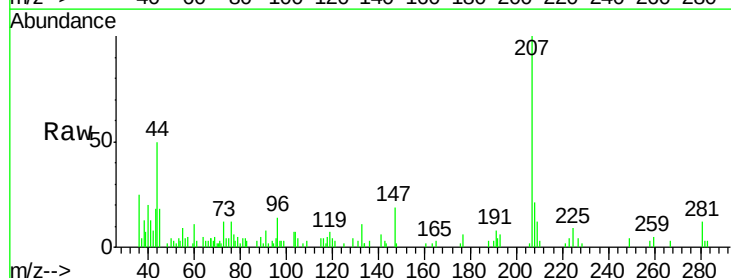


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

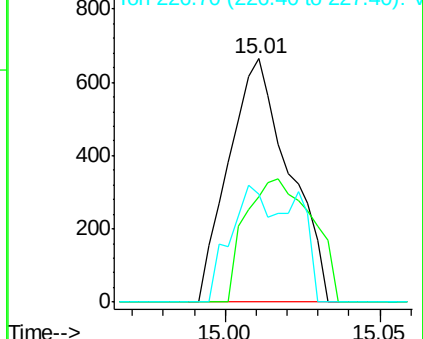
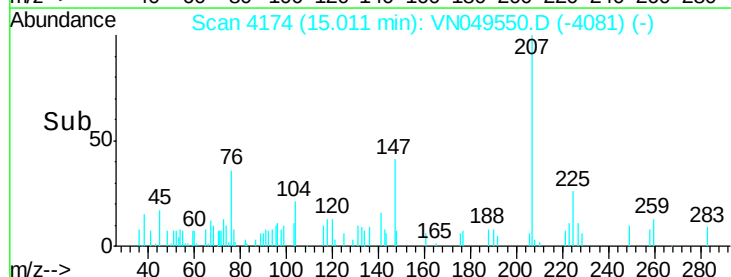


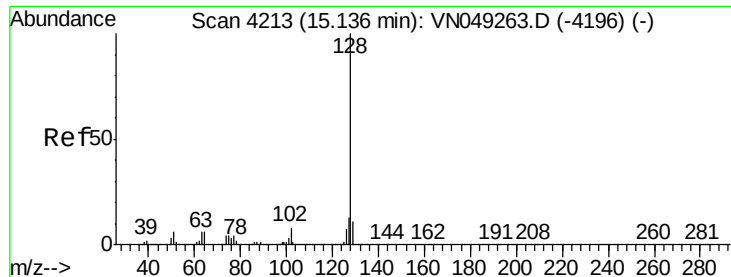
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049550.D
 Acq: 26 Jun 2018 14:14

Tgt Ion:225 Resp: 905
 Ion Ratio Lower Upper
 225 100
 223 55.8 32.1 96.3
 227 34.8 31.8 95.3



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





#95

Naphthalene

Concen: 53.03 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049550.D

Acq: 26 Jun 2018 14:14

Instrument :

MSVOA_N

ClientSampled :

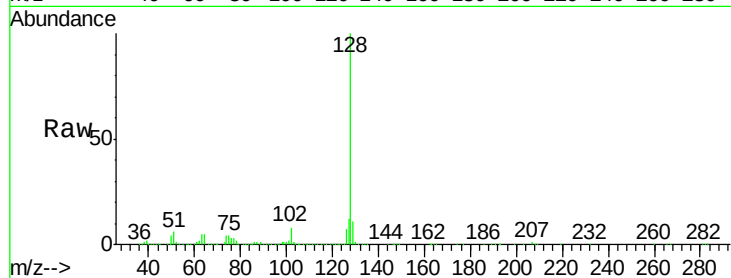
Tot Ion:128 Resp: 1353582

Ion Ratio Lower Upper

128 100

127 12.8 10.6 16.0

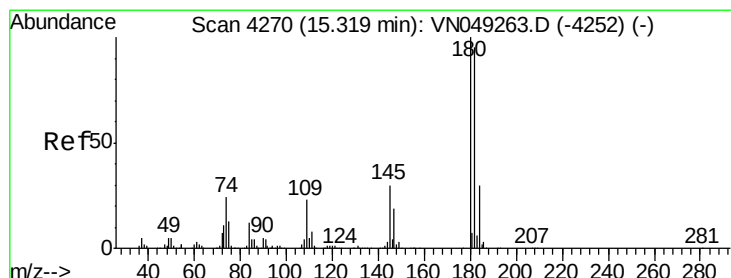
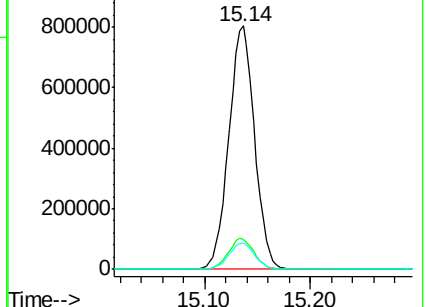
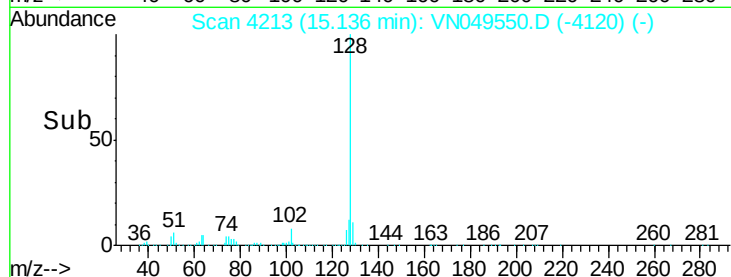
129 10.9 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.65 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049550.D

Acq: 26 Jun 2018 14:14

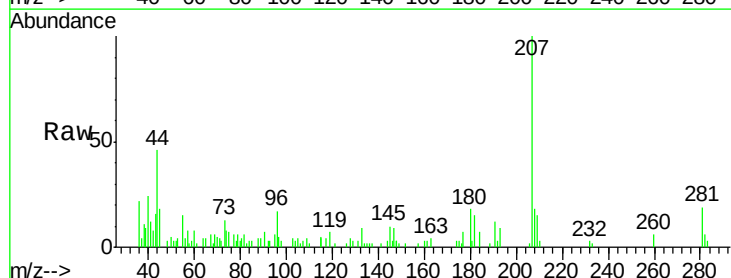
Tgt Ion:180 Resp: 2943

Ion Ratio Lower Upper

180 100

182 87.2 47.3 141.8

145 22.2 15.6 46.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

