

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062518\
 Data File : VN049539.D
 Acq On : 26 Jun 2018 4:20
 Operator : MD\SY
 Sample : J3676-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RO-1-4

Quant Time: Jun 26 04:44:00 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	1182605	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1856625	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1512328	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	410545	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	776780	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
35) Dibromofluoromethane	7.59	113	707951	47.13	ug/l	0.00
Spiked Amount			Recovery	=	94.26%	
50) Toluene-d8	10.09	98	2535662	44.33	ug/l	0.00
Spiked Amount			Recovery	=	88.66%	
62) 4-Bromofluorobenzene	12.40	95	619096	32.74	ug/l	0.00
Spiked Amount			Recovery	=	65.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3604	0.21	ug/l	100
5) Bromomethane	2.57	94	4341	0.44	ug/l #	75
8) Diethyl Ether	3.41	74	2483	0.31	ug/l	53
13) Acrolein	3.61	56	322	0.33	ug/l	93
14) Allyl chloride	4.55	41	15992	0.75	ug/l #	20
16) Acetone	3.82	43	42293	11.11	ug/l	95
18) Methyl Acetate	4.33	43	71487	6.16	ug/l	91
20) Methylene Chloride	4.55	84	391126	24.59	ug/l	91
25) 2-Butanone	6.84	43	7870	1.54	ug/l	94
29) Tetrahydrofuran	7.21	42	833	0.25	ug/l #	76
30) Chloroform	7.37	83	13370	0.49	ug/l #	82
31) Cyclohexane	7.67	56	21962	0.77	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	83902	3.94	ug/l #	51
38) Carbon Tetrachloride	7.67	117	106517	4.84	ug/l #	16
43) Isopropyl Acetate	8.20	43	59425	2.69	ug/l #	65
47) Bromodichloromethane	9.40	83	5888	0.27	ug/l #	87
49) 1,4-Dioxane	9.45	88	61	0.42	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	2972	0.26	ug/l #	84
58) 2-Chloroethyl Vinyl ether	9.72	63	29	14.33	ug/l #	51
67) Ethyl Benzene	11.51	91	38322	0.59	ug/l	97
68) m/p-Xylenes	11.62	106	38069	1.57	ug/l	100
69) o-Xylene	11.95	106	14752	0.63	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.44	83	30	Below	Cal #	26
76) 1,2,3-Trichloropropane	12.40	75	301356	43.02	ug/l #	100
78) n-propylbenzene	12.60	91	18800	0.47	ug/l	99
79) 2-Chlorotoluene	12.66	91	8883	0.35	ug/l #	46
80) 1,3,5-Trimethylbenzene	12.73	105	36279	1.28	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	301356	135.97	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.04	105	90774	3.23	ug/l	98
90) Hexachloroethane	13.89	117	1421	Below	Cal #	9
93) 1,2,4-Trichlorobenzene	14.91	180	643	4.83	ug/l	81
94) Hexachlorobutadiene	15.02	225	139	Below	Cal #	18
95) Naphthalene	15.14	128	20812	3.90	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.31	180	437	3.52	ug/l #	72

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Response via : Initial Calibration

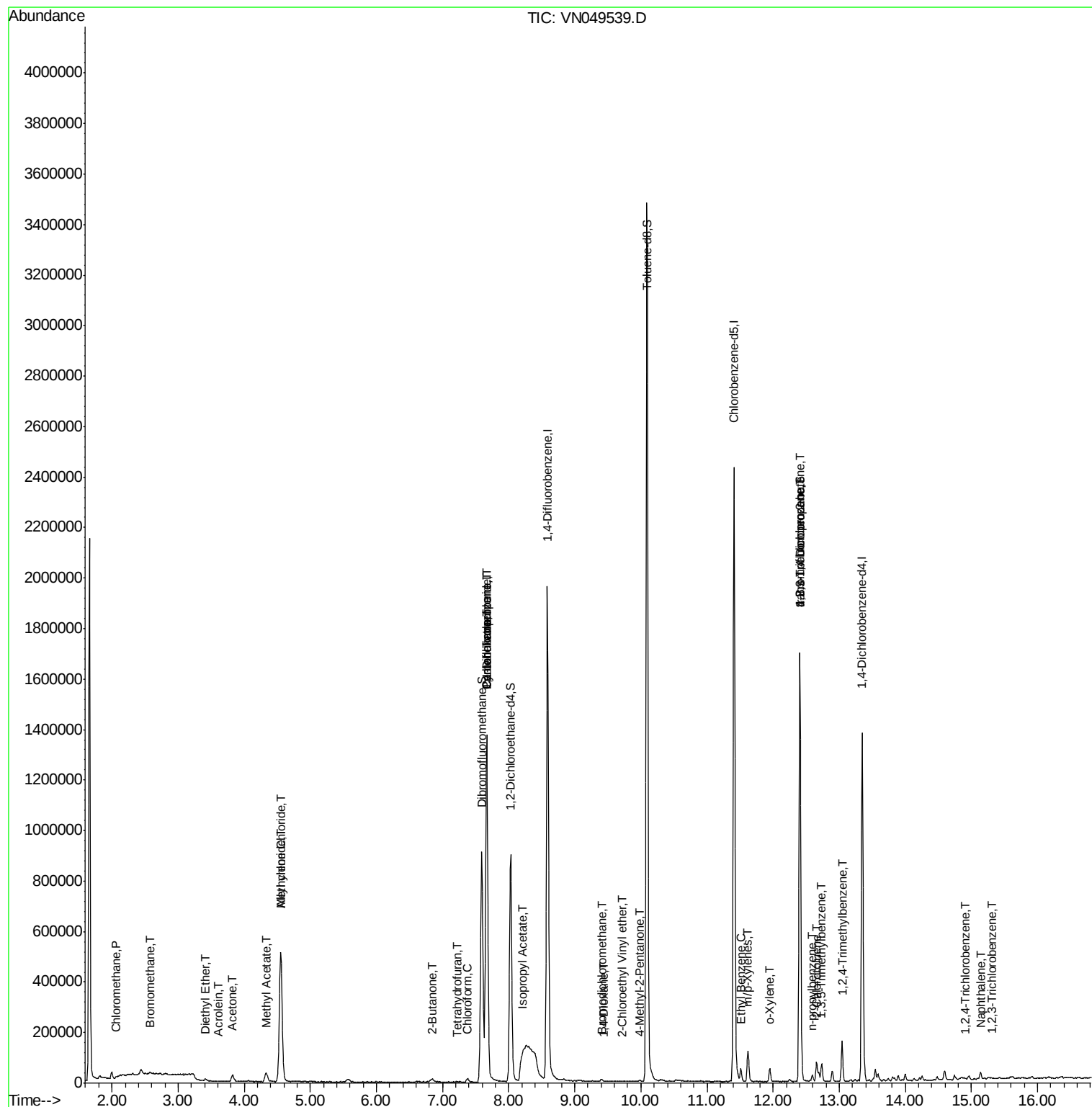
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

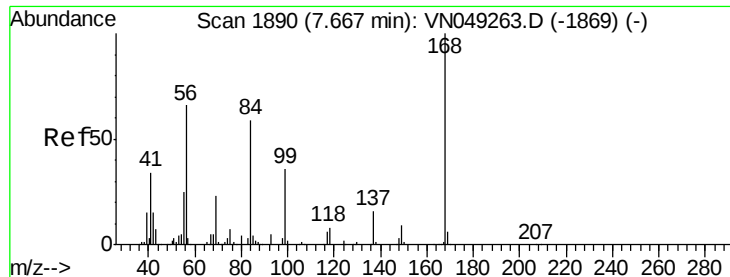
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049539.D

Acq: 26 Jun 2018 4:20

Instrument :

MSVOA_N

ClientSampled :

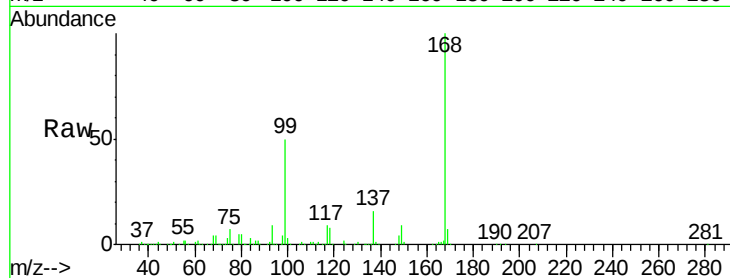
RO-1-4

Tot Ion:168 Resp: 1182605

Ion Ratio Lower Upper

168 100

99 50.2 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

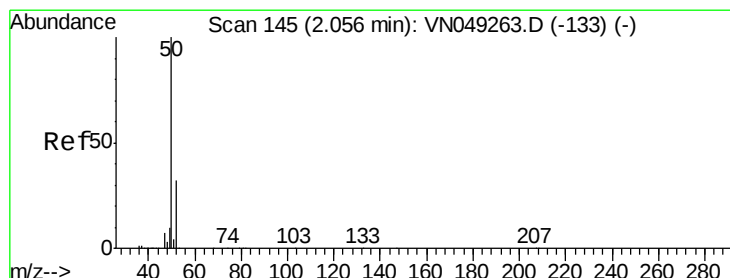
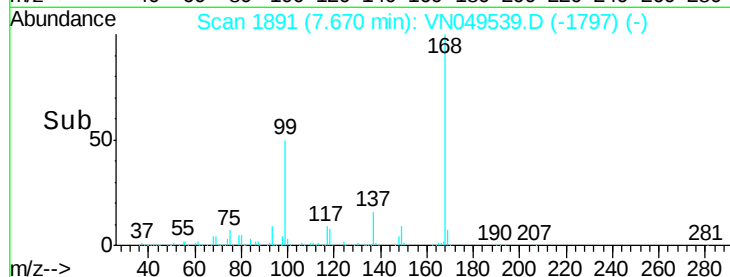
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.21 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049539.D

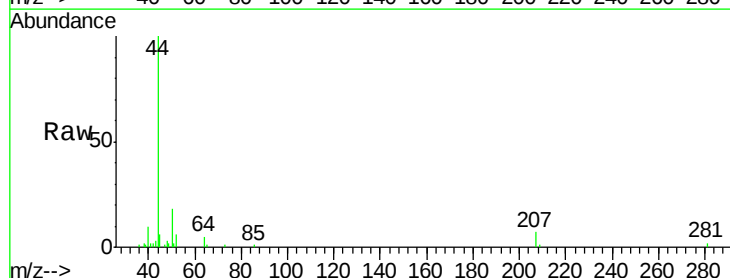
Acq: 26 Jun 2018 4:20

Tgt Ion: 50 Resp: 3604

Ion Ratio Lower Upper

50 100

52 31.7 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

2500

2000

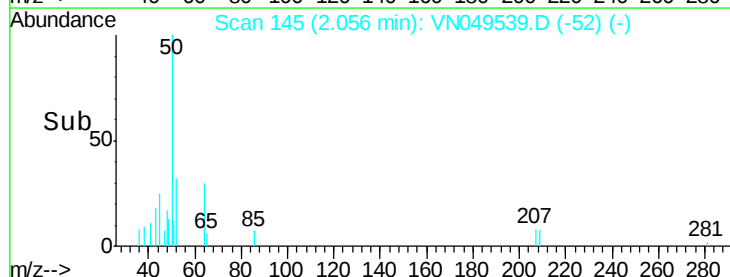
1500

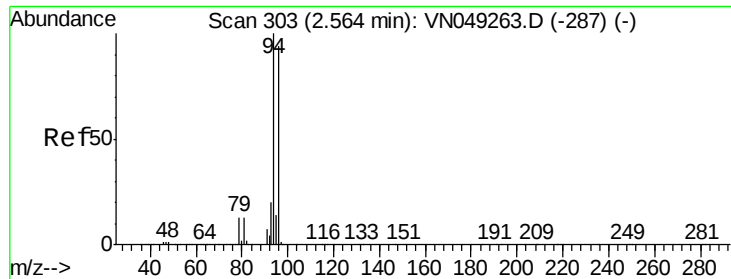
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.44 ug/l

RT: 2.57 min Scan# 306

Delta R.T. 0.01 min

Lab File: VN049539.D

Acq: 26 Jun 2018 4:20

Instrument :

MSVOA_N

ClientSampleId :

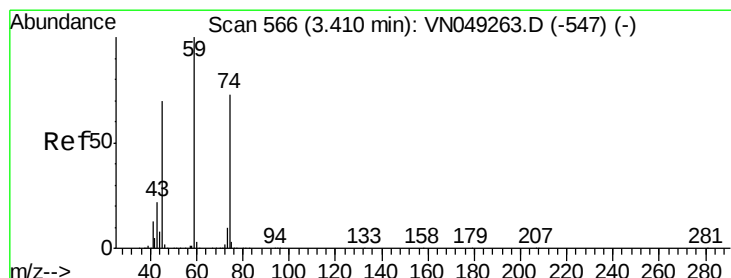
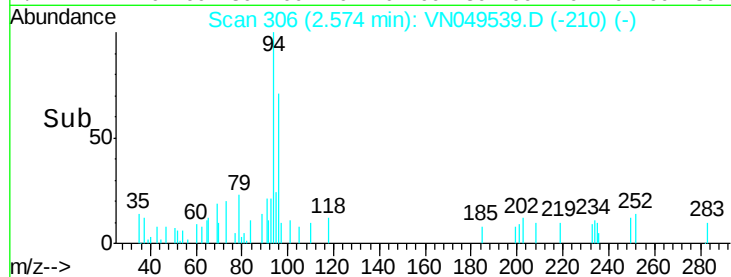
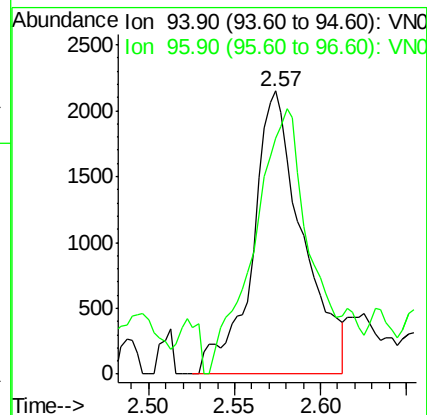
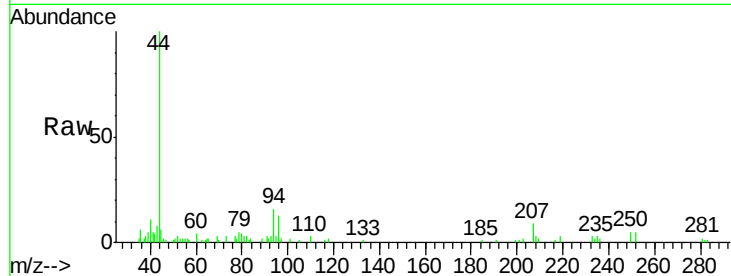
RO-1-4

Tot Ion: 94 Resp: 4341

Ion Ratio Lower Upper

94 100

96 67.3 72.8 109.2#



#8

Diethyl Ether

Concen: 0.31 ug/l

RT: 3.41 min Scan# 565

Delta R.T. -0.00 min

Lab File: VN049539.D

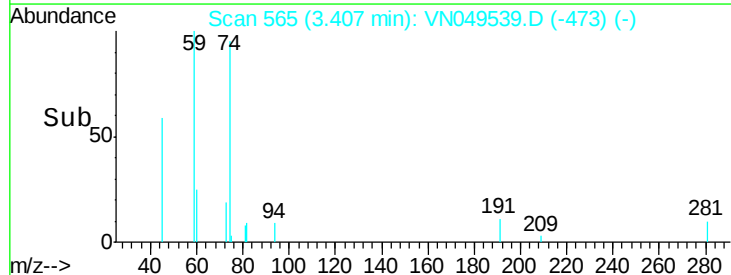
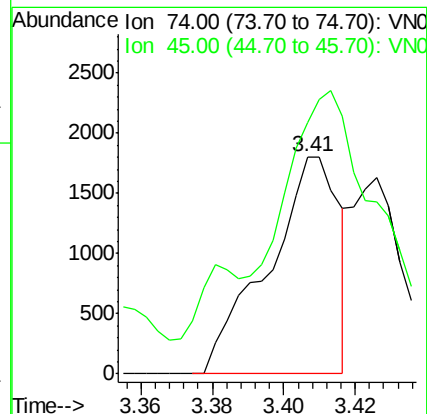
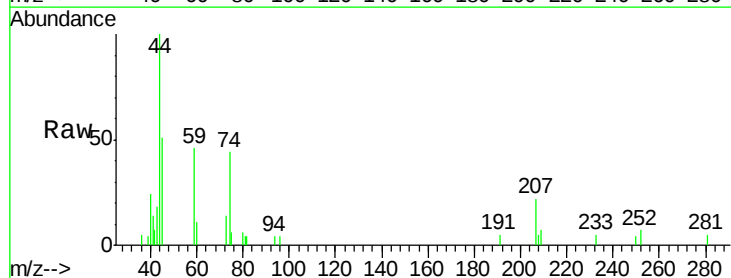
Acq: 26 Jun 2018 4:20

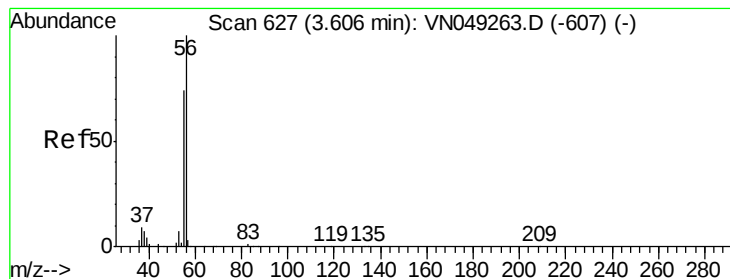
Tgt Ion: 74 Resp: 2483

Ion Ratio Lower Upper

74 100

45 151.7 51.9 155.8





#13

Acrolein

Concen: 0.33 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN049539.D

Acq: 26 Jun 2018 4:20

Instrument :

MSVOA_N

ClientSampled :

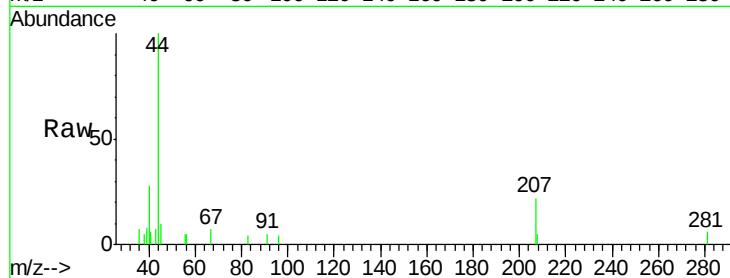
RO-1-4

Tot Ion: 56 Resp: 322

Ion Ratio Lower Upper

56 100

55 77.3 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

500

400

300

200

100

0

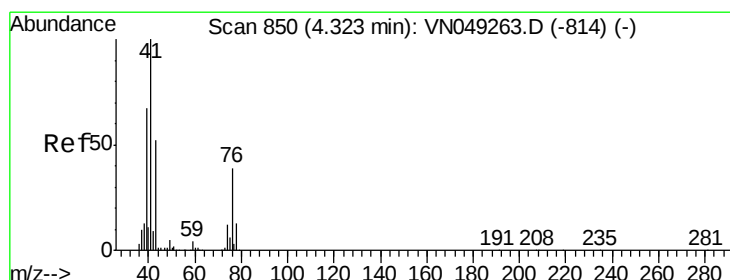
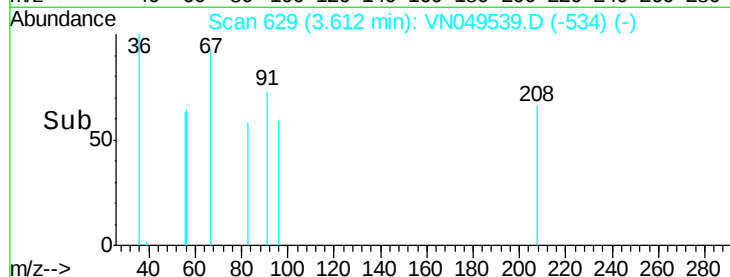
3.58

3.60

3.61

3.62

Time-->



#14

Allyl chloride

Concen: 0.75 ug/l

RT: 4.55 min Scan# 922

Delta R.T. 0.23 min

Lab File: VN049539.D

Acq: 26 Jun 2018 4:20

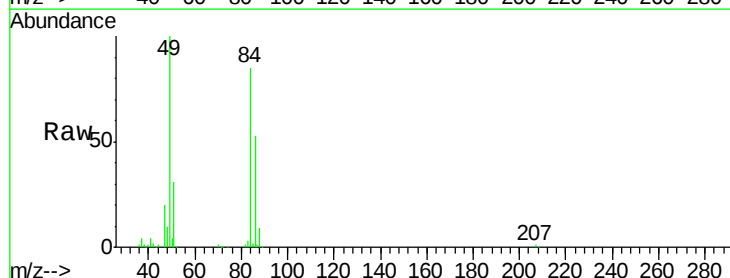
Tgt Ion: 41 Resp: 15992

Ion Ratio Lower Upper

41 100

39 0.7 62.5 93.7#

76 0.0 27.1 40.7#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

6000

4000

2000

0

4.45

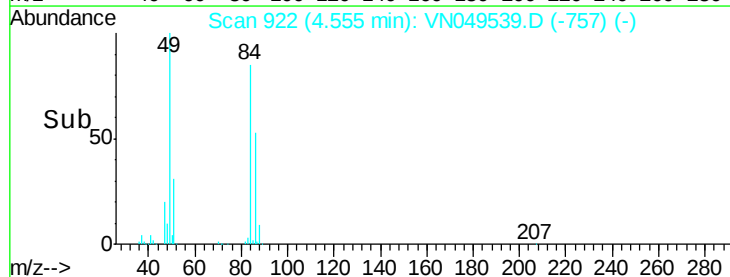
4.50

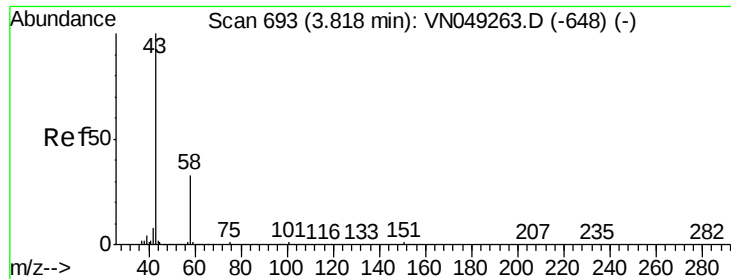
4.55

4.60

4.65

Time-->





#16

Acetone

Concen: 11.11 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049539.D

Acq: 26 Jun 2018 4:20

Instrument :

MSVOA_N

ClientSampled :

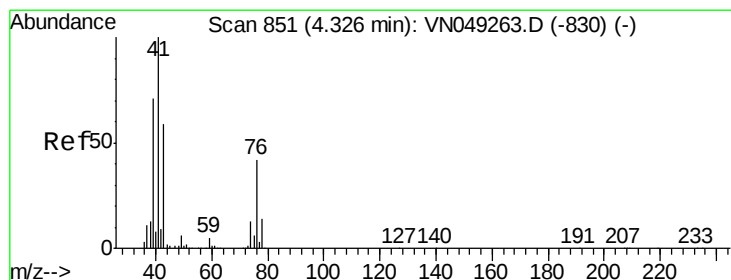
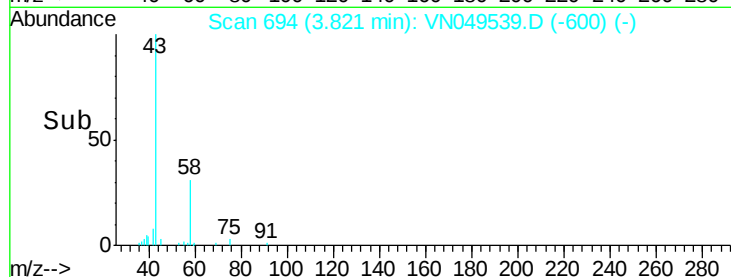
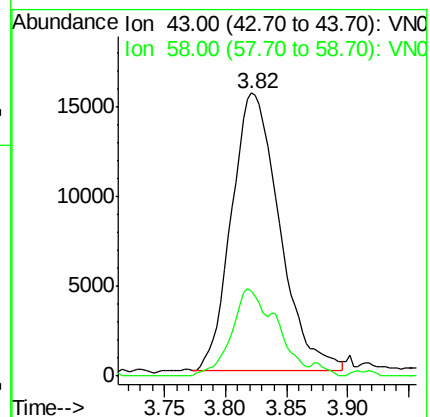
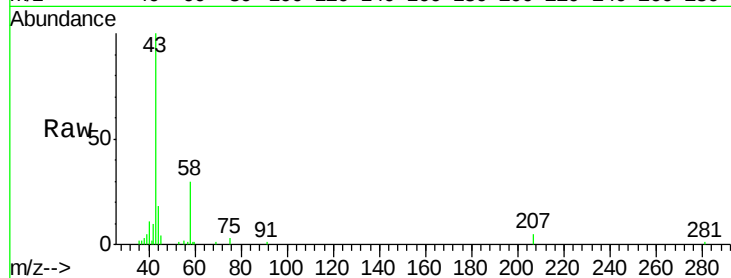
RO-1-4

Tot Ion: 43 Resp: 42293

Ion Ratio Lower Upper

43 100

58 30.6 22.4 33.6



#18

Methyl Acetate

Concen: 6.16 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.01 min

Lab File: VN049539.D

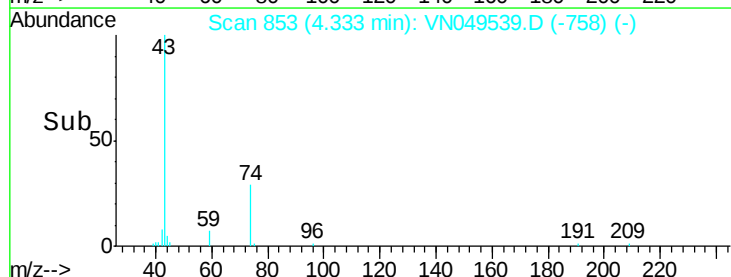
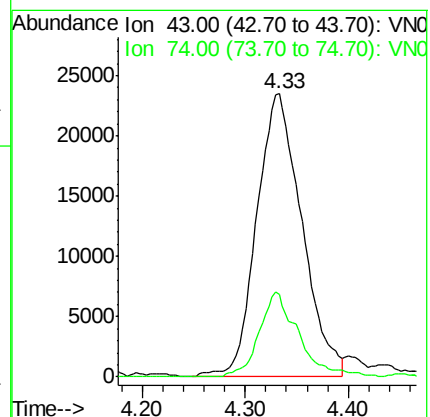
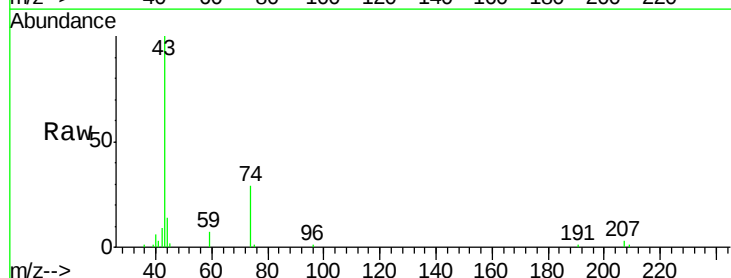
Acq: 26 Jun 2018 4:20

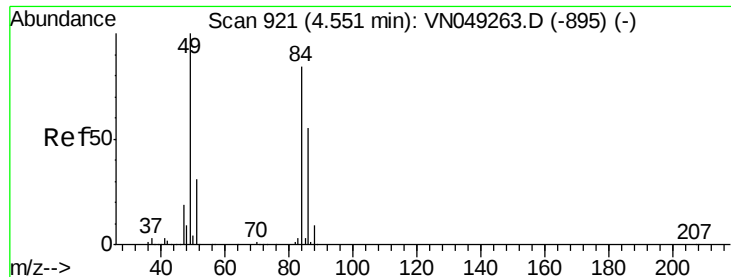
Tgt Ion: 43 Resp: 71487

Ion Ratio Lower Upper

43 100

74 26.0 17.4 26.0

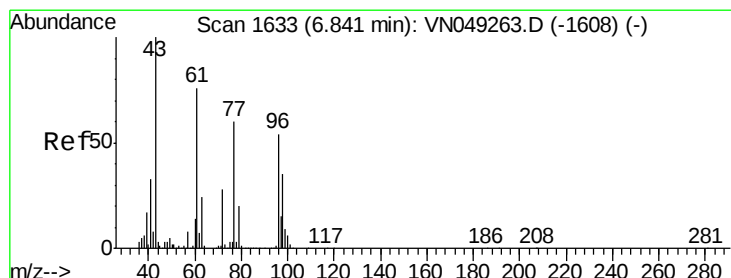
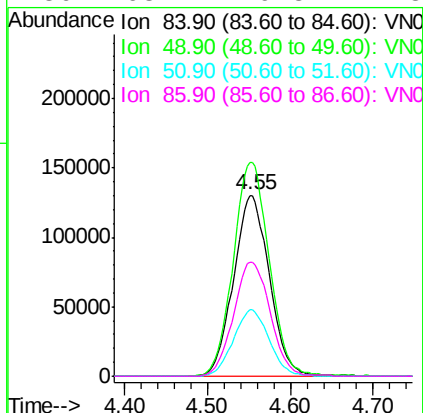
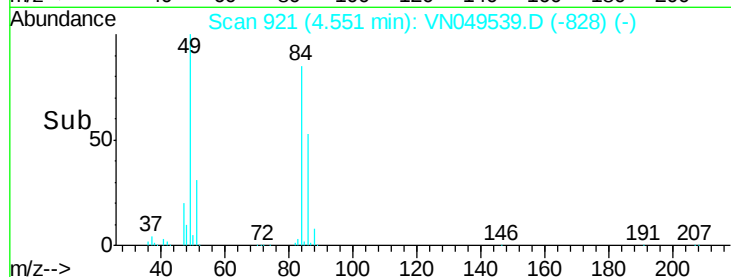
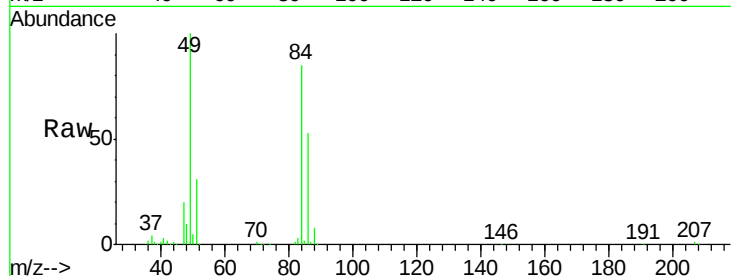




#20
Methvlene Chloride
Concen: 24.59 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049539.D
Acq: 26 Jun 2018 4:20

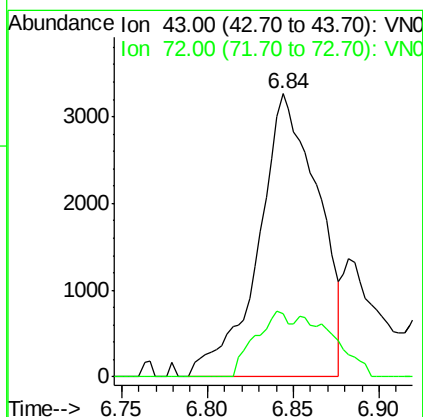
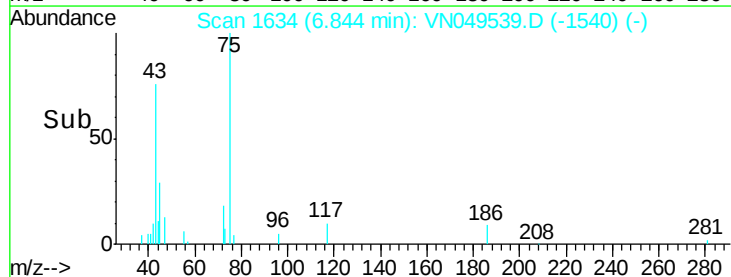
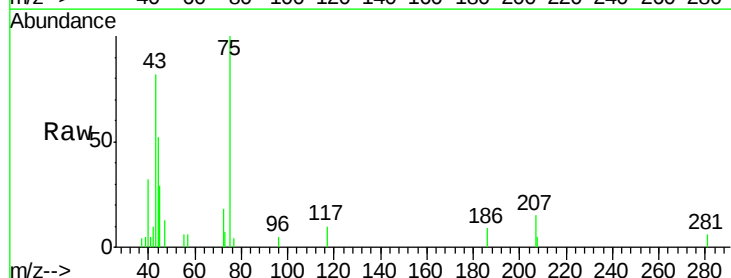
Instrument :
MSVOA_N
ClientSampled :
RO-1-4

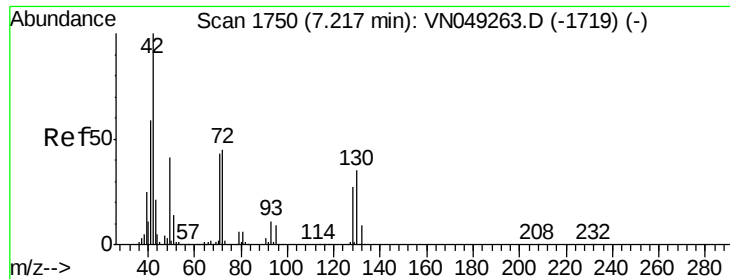
Tot Ion: 84 Resp: 391126
Ion Ratio Lower Upper
84 100
49 118.0 106.9 160.3
51 36.9 32.7 49.1
86 63.1 49.8 74.8



#25
2-Butanone
Concen: 1.54 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN049539.D
Acq: 26 Jun 2018 4:20

Tgt Ion: 43 Resp: 7870
Ion Ratio Lower Upper
43 100
72 22.2 20.2 30.2

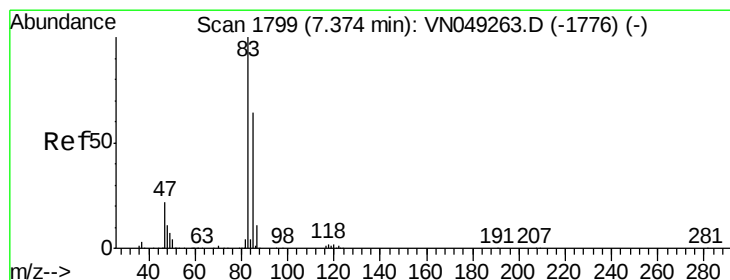
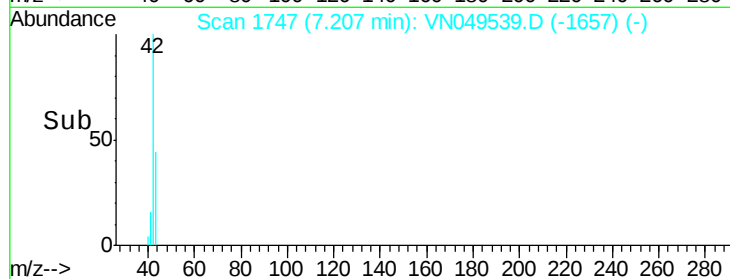
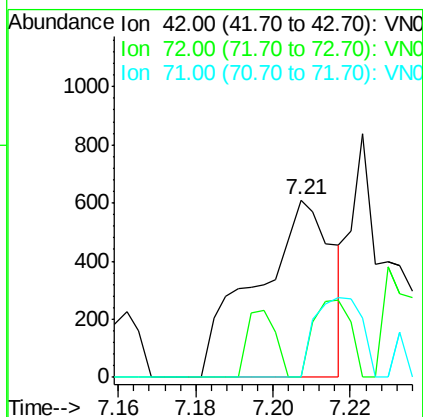
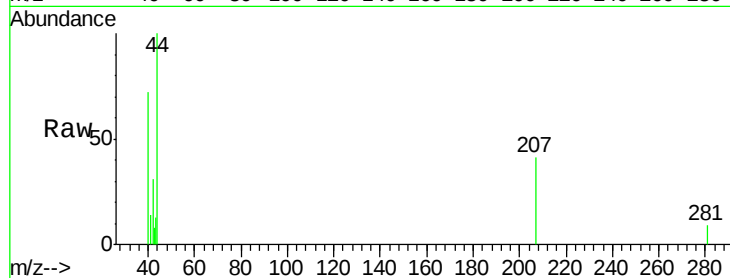




#29
Tetrahydrofuran
Concen: 0.25 ug/l
RT: 7.21 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VN049539.D
Acq: 26 Jun 2018 4:20

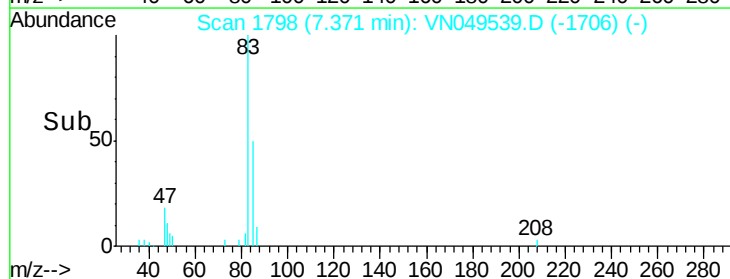
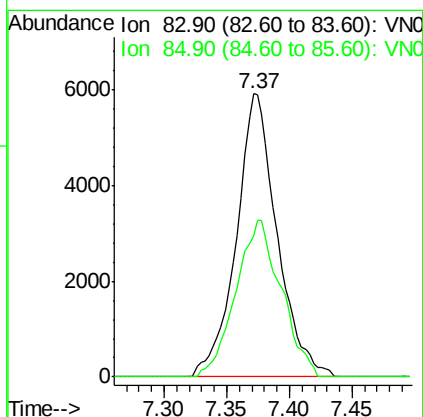
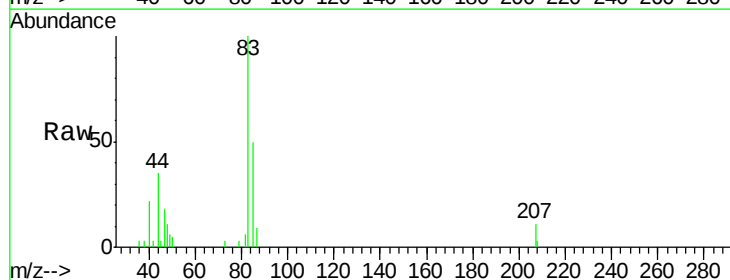
Instrument :
MSVOA_N
ClientSampled :
RO-1-4

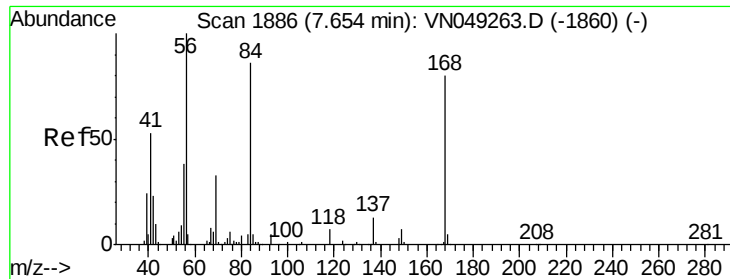
Tot Ion: 42 Resp: 833
Ion Ratio Lower Upper
42 100
72 21.1 32.2 48.4#
71 27.9 30.5 45.7#



#30
Chloroform
Concen: 0.49 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049539.D
Acq: 26 Jun 2018 4:20

Tgt Ion: 83 Resp: 13370
Ion Ratio Lower Upper
83 100
85 50.1 51.7 77.5#

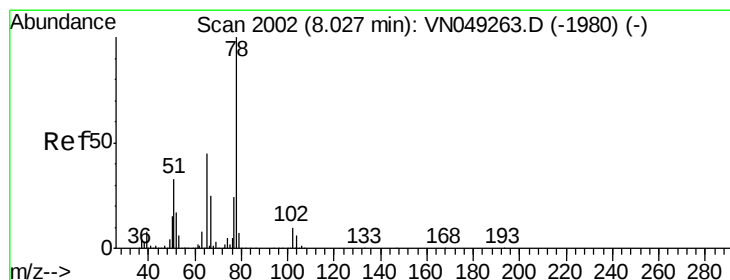
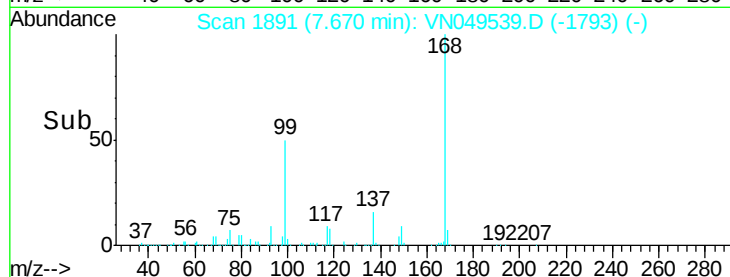
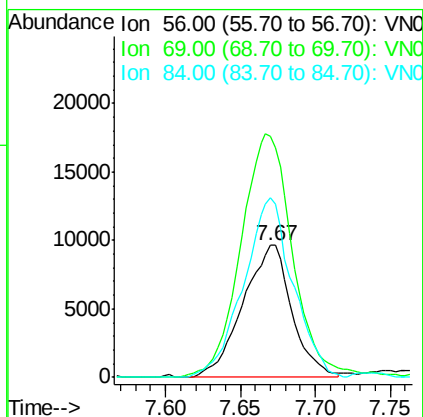
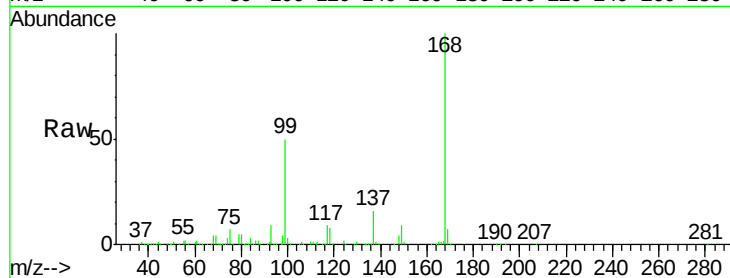




#31
Cyclohexane
Concen: 0.77 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.02 min
Lab File: VN049539.D
Acq: 26 Jun 2018 4:20

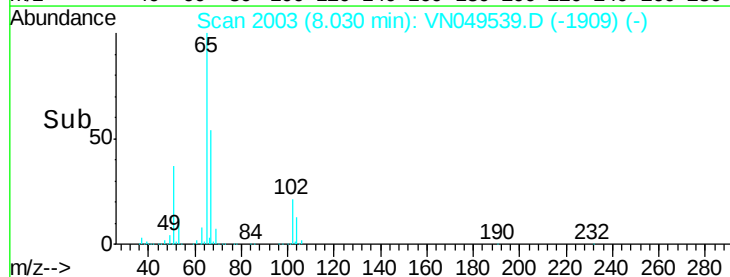
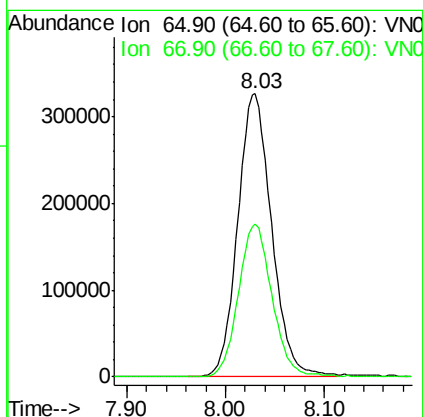
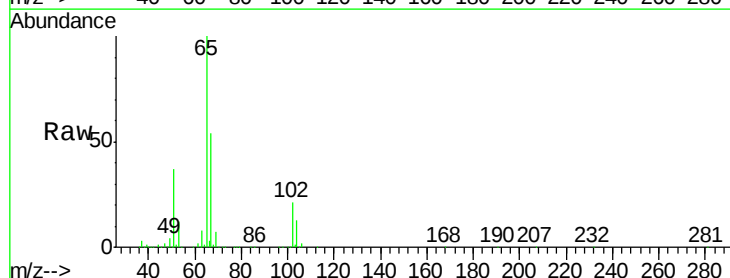
Instrument :
MSVOA_N
ClientSampled :
RO-1-4

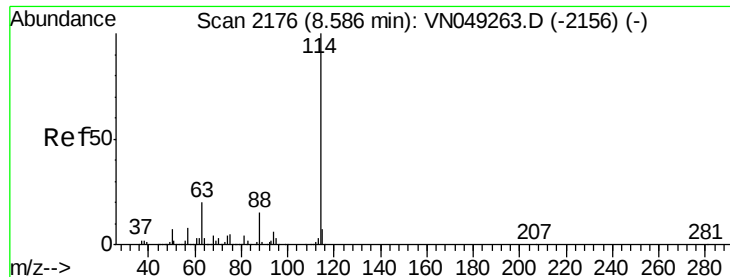
Tot Ion: 56 Resp: 21962
Ion Ratio Lower Upper
56 100
69 180.4 25.0 37.4#
84 135.5 64.6 96.8#



#33
1,2-Dichloroethane-d4
Concen: 49.52 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN049539.D
Acq: 26 Jun 2018 4:20

Tgt Ion: 65 Resp: 776780
Ion Ratio Lower Upper
65 100
67 53.5 0.0 103.8

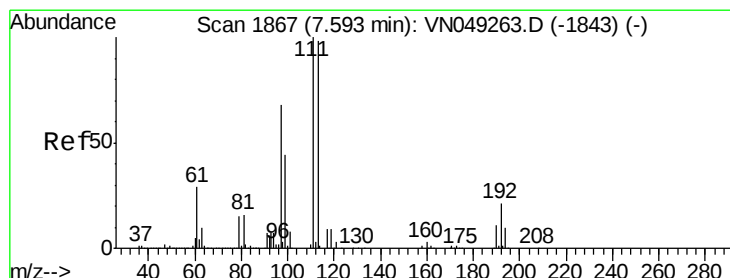
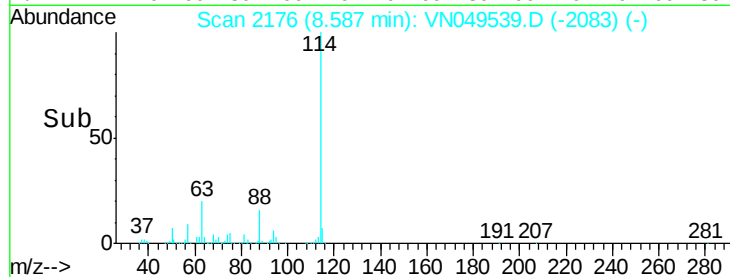
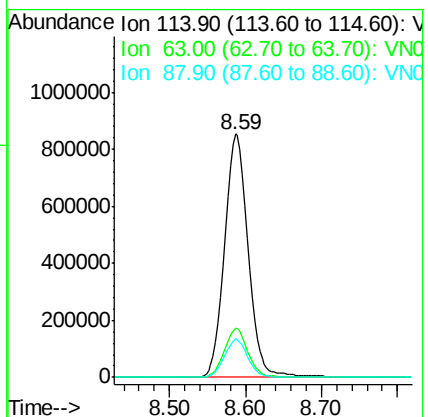
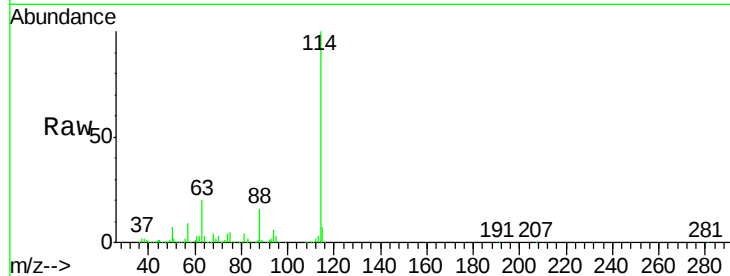




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.59 min Scan# 2176
Delta R.T. 0.00 min
Lab File: VN049539.D
Acq: 26 Jun 2018 4:20

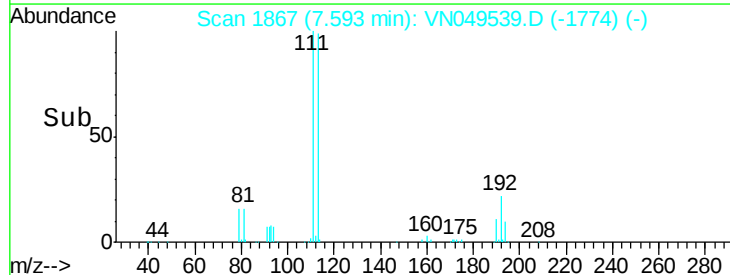
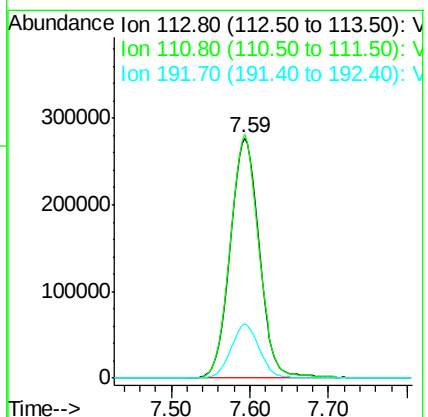
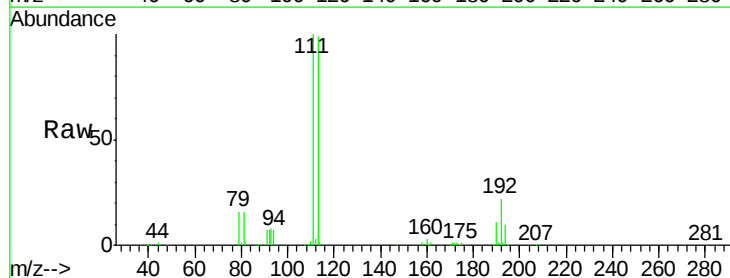
Instrument :
MSVOA_N
ClientSampled :
RO-1-4

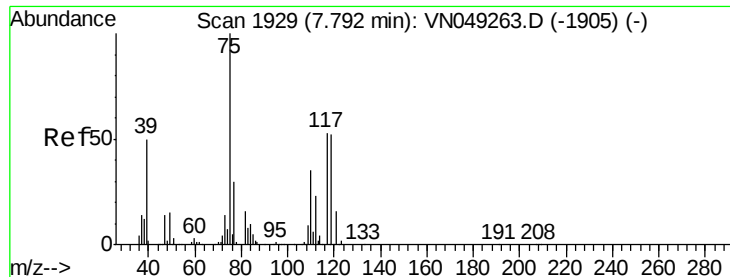
Tot Ion:114 Resp: 1856625
Ion Ratio Lower Upper
114 100
63 20.0 0.0 44.4
88 15.8 0.0 31.4



#35
Dibromofluoromethane
Concen: 47.13 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN049539.D
Acq: 26 Jun 2018 4:20

Tgt Ion:113 Resp: 707951
Ion Ratio Lower Upper
113 100
111 100.7 82.4 123.6
192 22.1 15.0 22.6





#36

1,1-Dichloropropene

Concen: 3.94 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN049539.D

Acq: 26 Jun 2018 4:20

Instrument :

MSVOA_N

ClientSampleId :

RO-1-4

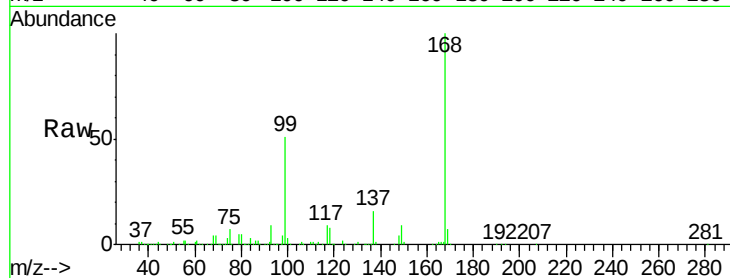
Tot Ion: 75 Resp: 83902

Ion Ratio Lower Upper

75 100

110 9.6 17.0 50.9#

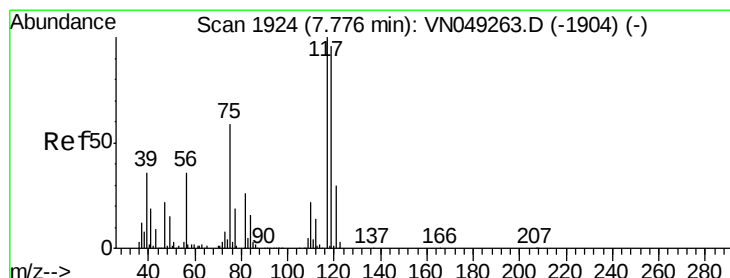
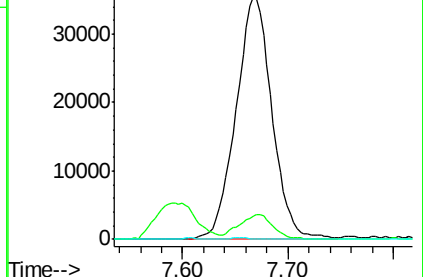
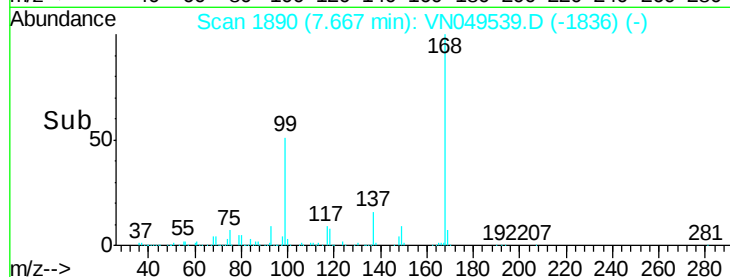
77 0.3 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VN049539.D (-1836) (-)

Ion 109.90 (109.60 to 110.60): VN049539.D (-1836) (-)

Ion 76.90 (76.60 to 77.60): VN049539.D (-1836) (-)



#38

Carbon Tetrachloride

Concen: 4.84 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.11 min

Lab File: VN049539.D

Acq: 26 Jun 2018 4:20

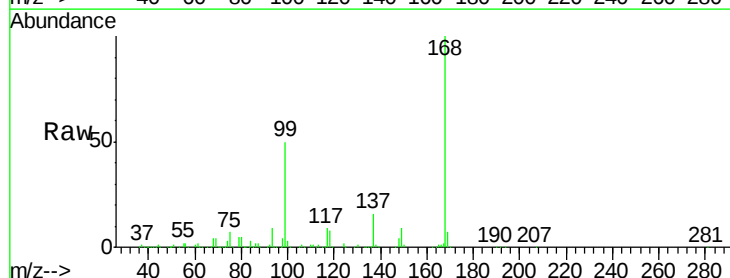
Tgt Ion: 117 Resp: 106517

Ion Ratio Lower Upper

117 100

119 4.8 75.6 113.4#

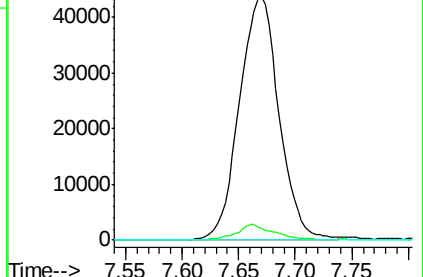
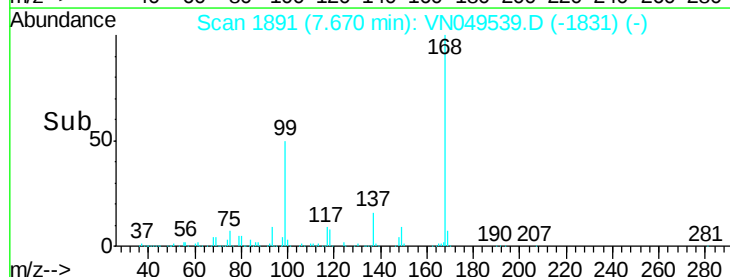
121 0.0 24.7 37.1#

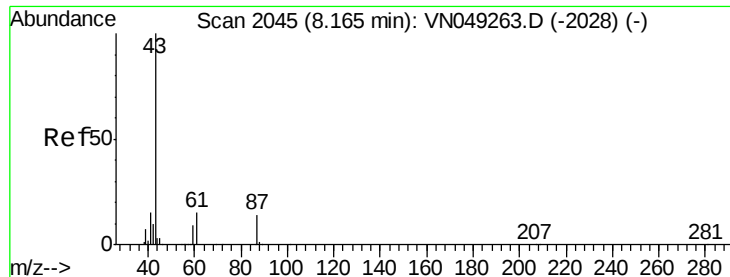


Abundance Ion 116.80 (116.50 to 117.50): VN049539.D (-1831) (-)

Ion 118.80 (118.50 to 119.50): VN049539.D (-1831) (-)

Ion 120.80 (120.50 to 121.50): VN049539.D (-1831) (-)





#43

Isopropyl Acetate

Concen: 2.69 ug/l

RT: 8.20 min Scan# 2055

Delta R.T. 0.03 min

Lab File: VN049539.D

Acq: 26 Jun 2018 4:20

Instrument :

MSVOA_N

ClientSampled :

RO-1-4

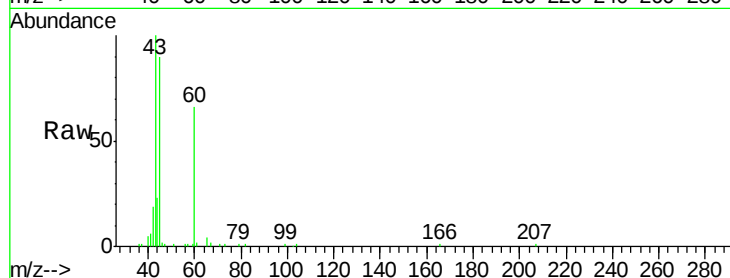
Tot Ion: 43 Resp: 59425

Ion Ratio Lower Upper

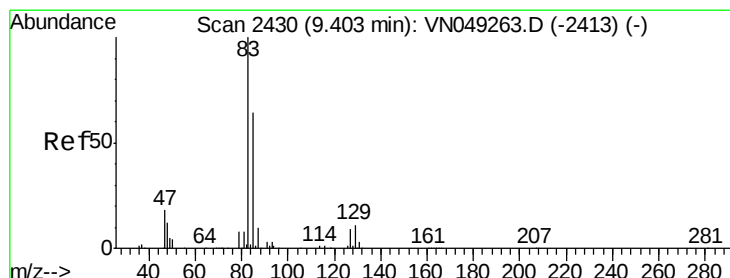
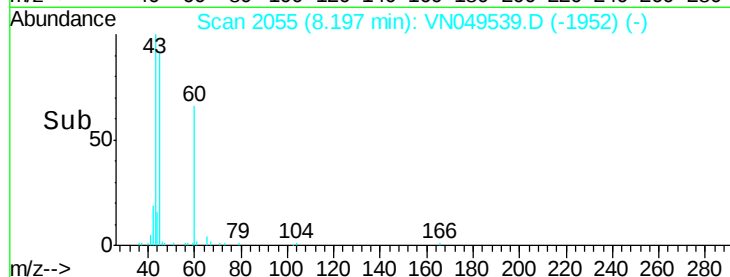
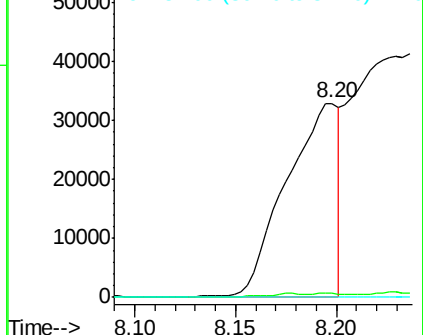
43 100

61 1.3 14.2 21.4#

87 0.0 9.4 14.0#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO



#47

Bromodichloromethane

Concen: 0.27 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049539.D

Acq: 26 Jun 2018 4:20

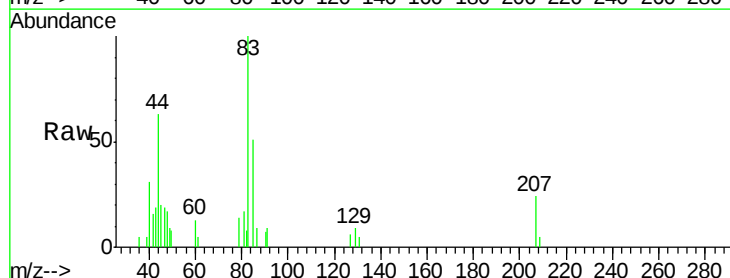
Tgt Ion: 83 Resp: 5888

Ion Ratio Lower Upper

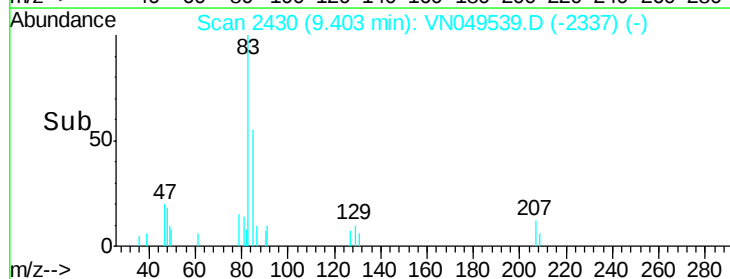
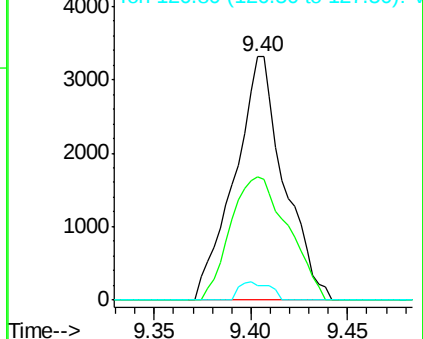
83 100

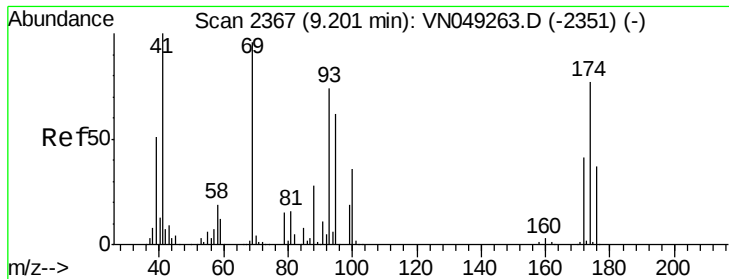
85 50.5 49.4 74.0

127 6.1 6.3 9.5#



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): V





#49

1,4-Dioxane

Concen: 0.42 ug/l

RT: 9.45 min Scan# 2444

Delta R.T. 0.25 min

Lab File: VN049539.D

Acq: 26 Jun 2018 4:20

Instrument :
MSVOA_N
ClientSampled :
RO-1-4

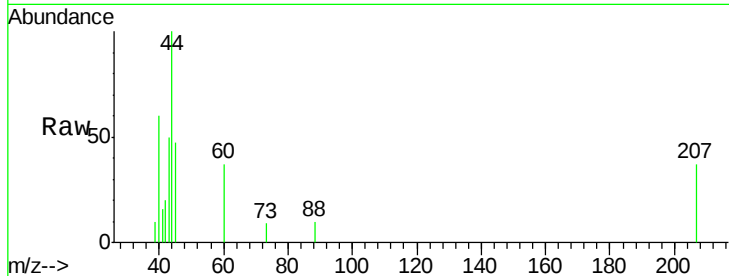
Tot Ion: 88 Resp: 61

Ion Ratio Lower Upper

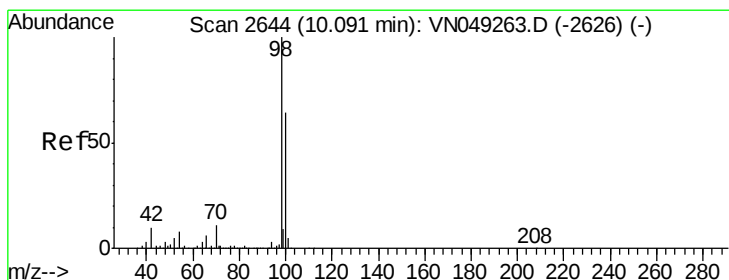
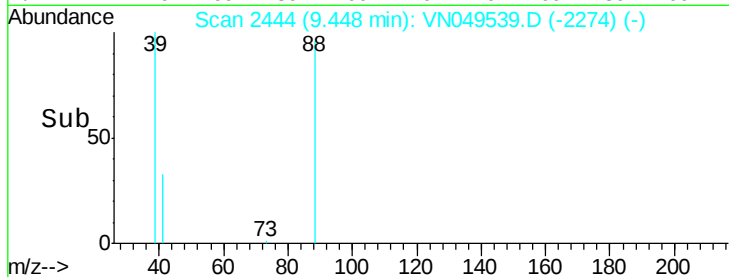
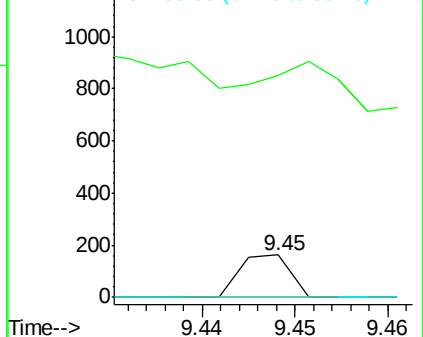
88 100

43 280.3 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: 44.33 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049539.D

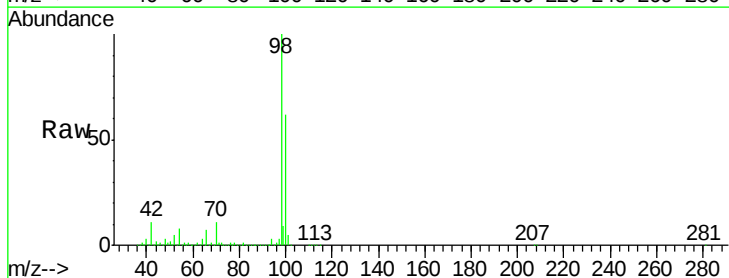
Acq: 26 Jun 2018 4:20

Tgt Ion: 98 Resp: 2535662

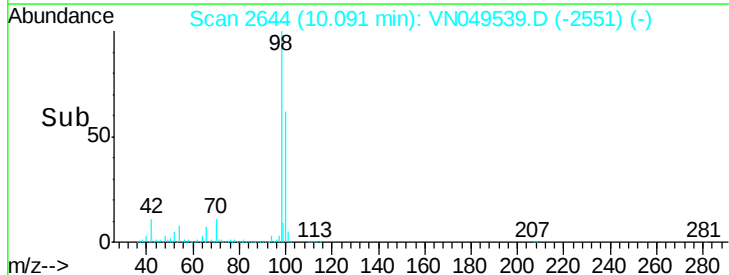
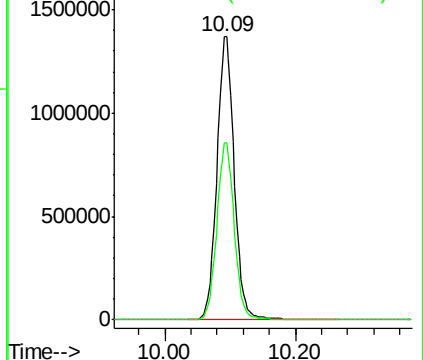
Ion Ratio Lower Upper

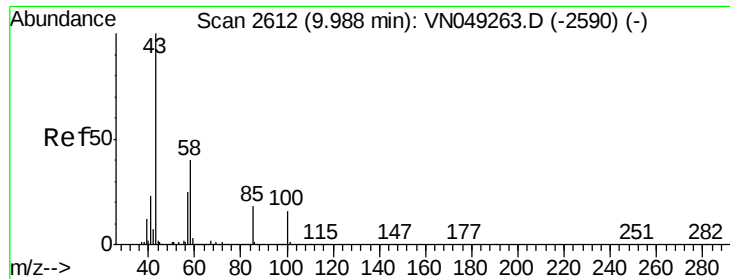
98 100

100 62.9 49.8 74.8



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





#51

4-Methyl-2-Pentanone

Concen: 0.26 ug/l

RT: 9.98 min Scan# 2610

Delta R.T. -0.01 min

Lab File: VN049539.D

Acq: 26 Jun 2018 4:20

Instrument :

MSVOA_N

ClientSampled :

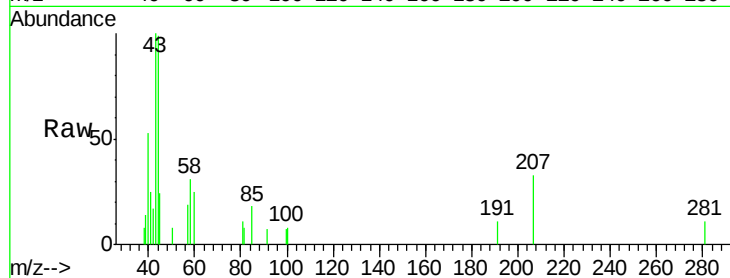
RO-1-4

Tot Ion: 43 Resp: 2972

Ion Ratio Lower Upper

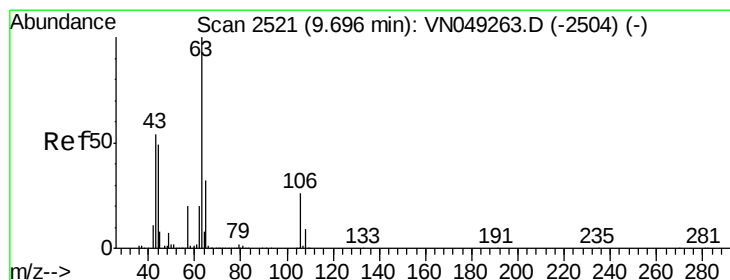
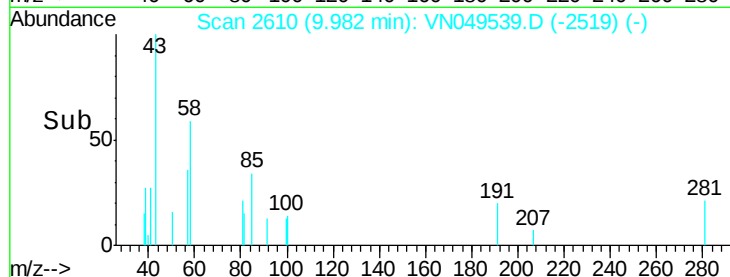
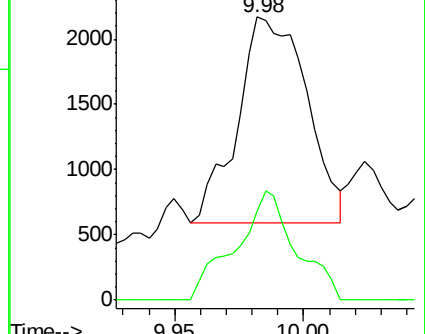
43 100

58 45.9 29.0 43.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 14.33 ug/l

RT: 9.72 min Scan# 2529

Delta R.T. 0.03 min

Lab File: VN049539.D

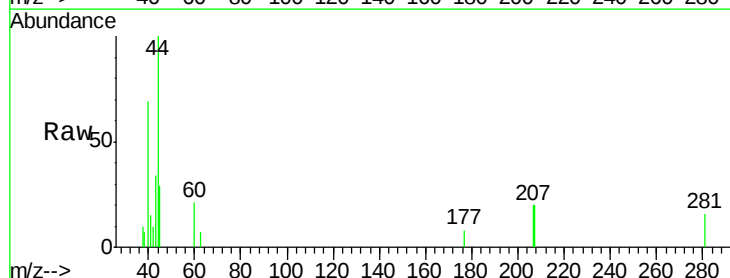
Acq: 26 Jun 2018 4:20

Tgt Ion: 63 Resp: 29

Ion Ratio Lower Upper

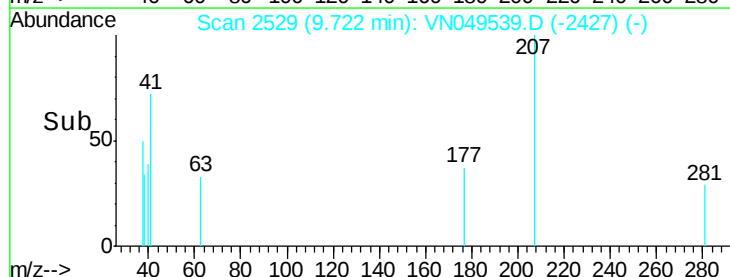
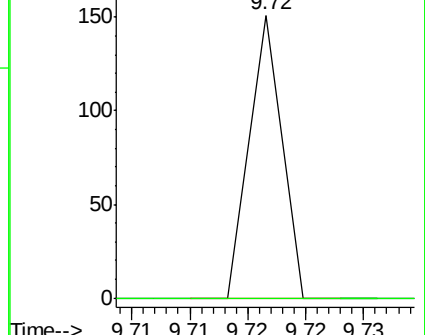
63 100

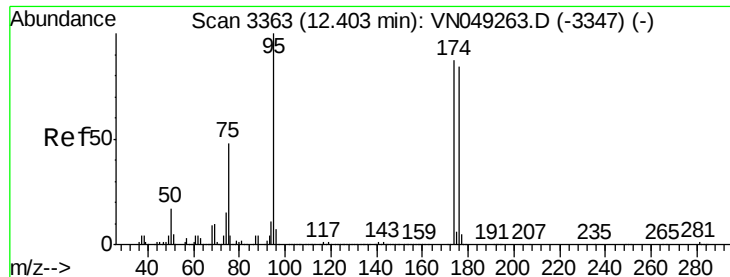
106 0.0 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): VN0





#62

4-Bromofluorobenzene

Concen: 32.74 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049539.D

Acq: 26 Jun 2018 4:20

Instrument :

MSVOA_N

ClientSampled :

RO-1-4

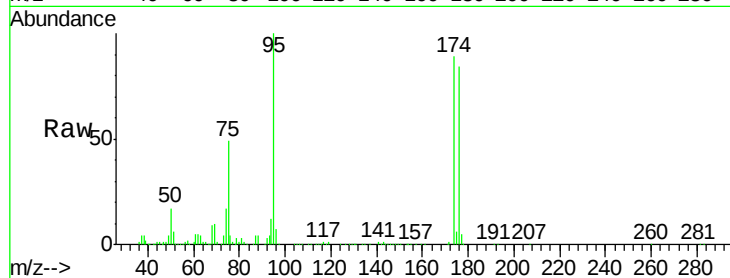
Tot Ion: 95 Resp: 619096

Ion Ratio Lower Upper

95 100

174 90.0 0.0 165.6

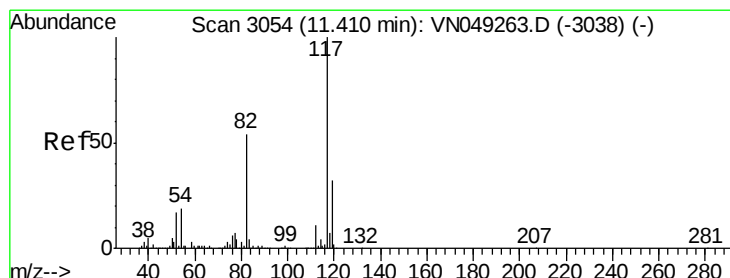
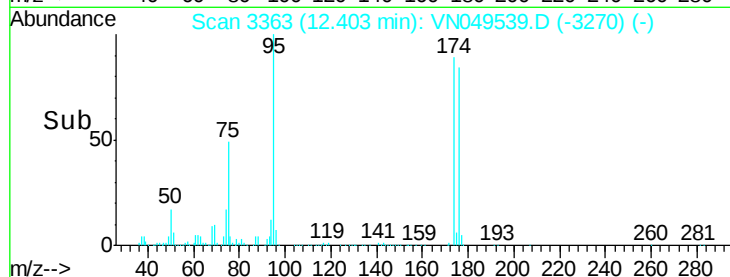
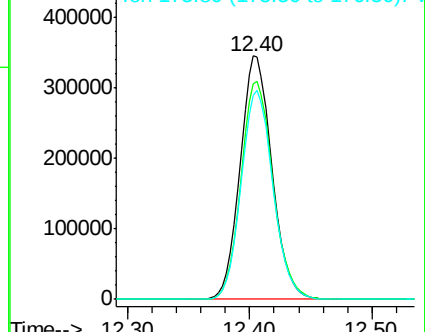
176 85.9 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN049539.D (-3270) (-)

Ion 173.80 (173.50 to 174.50): VN049539.D (-3270) (-)

Ion 175.80 (175.50 to 176.50): VN049539.D (-3270) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049539.D

Acq: 26 Jun 2018 4:20

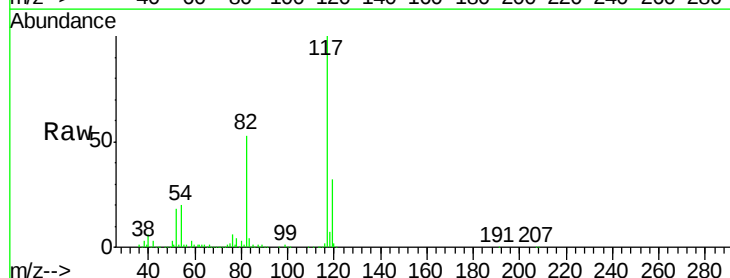
Tgt Ion: 117 Resp: 1512328

Ion Ratio Lower Upper

117 100

82 53.0 45.9 68.9

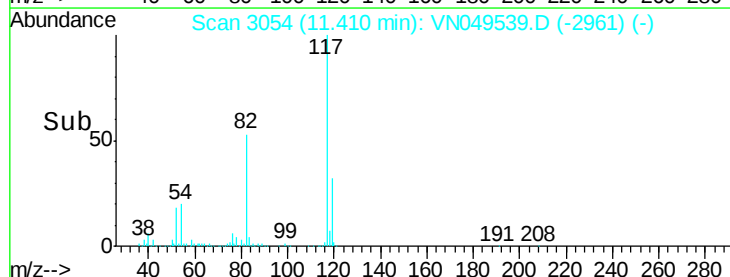
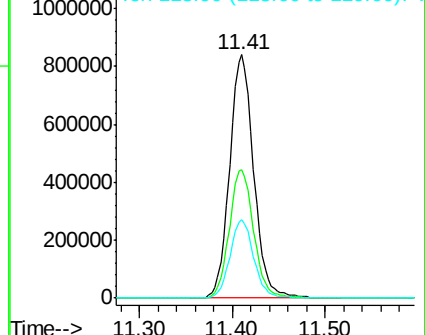
119 32.5 25.5 38.3

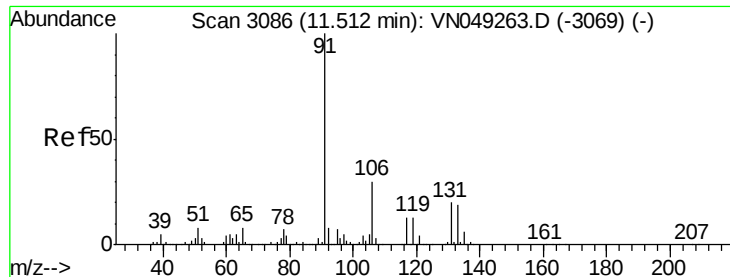


Abundance Ion 116.90 (116.60 to 117.60): VN049539.D (-2961) (-)

Ion 82.00 (81.70 to 82.70): VN049539.D (-2961) (-)

Ion 118.90 (118.60 to 119.60): VN049539.D (-2961) (-)





#67

Ethyl Benzene

Concen: 0.59 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049539.D

Acq: 26 Jun 2018 4:20

Instrument :

MSVOA_N

ClientSampled :

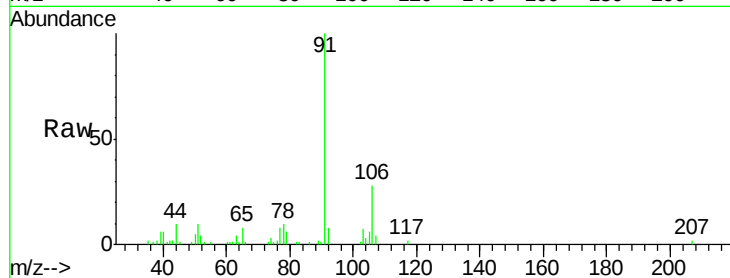
RO-1-4

Tot Ion: 91 Resp: 38322

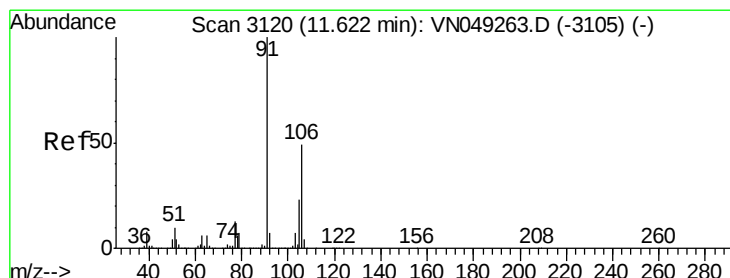
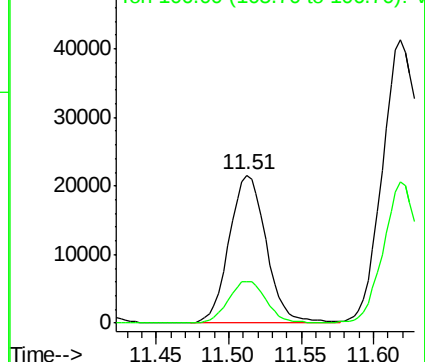
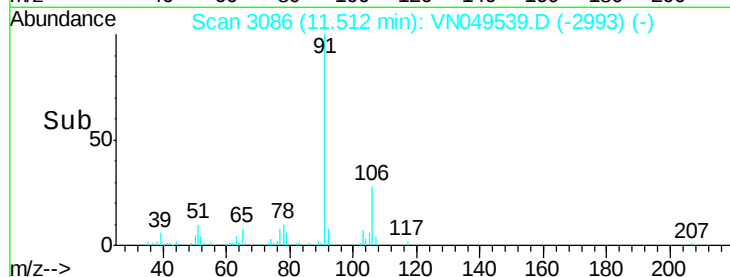
Ion Ratio Lower Upper

91 100

106 28.5 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN049539.D (-2993) (-)



#68

m/p-Xylenes

Concen: 1.57 ug/l

RT: 11.62 min Scan# 3119

Delta R.T. -0.00 min

Lab File: VN049539.D

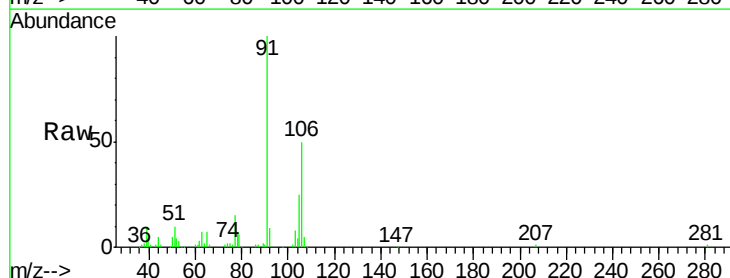
Acq: 26 Jun 2018 4:20

Tgt Ion: 106 Resp: 38069

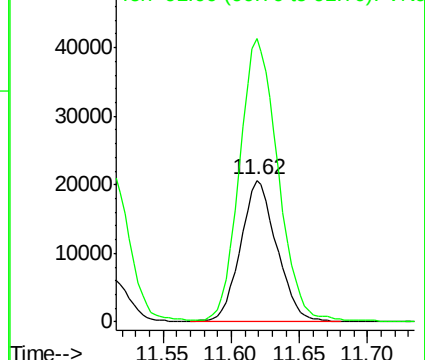
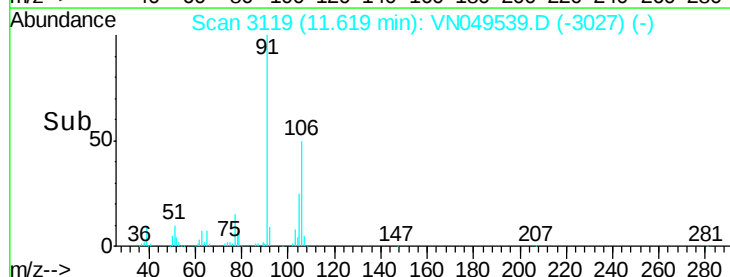
Ion Ratio Lower Upper

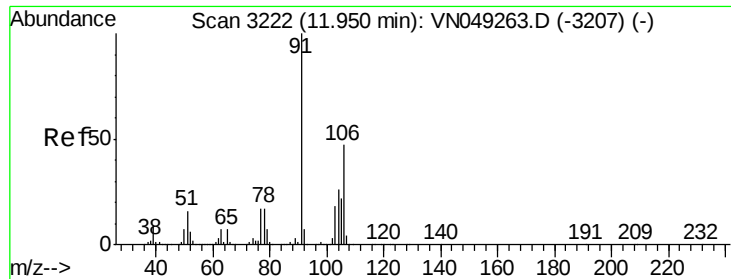
106 100

91 209.6 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): VN049539.D (-3027) (-)

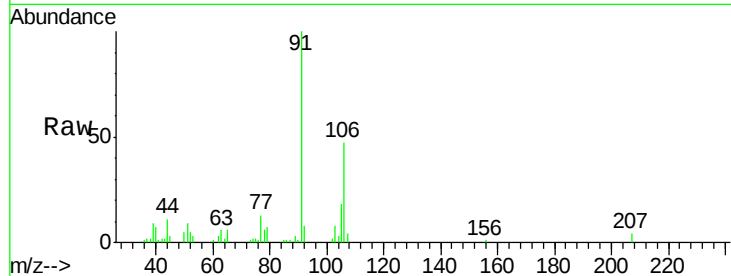




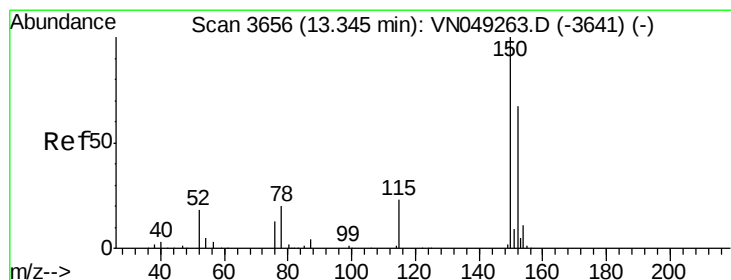
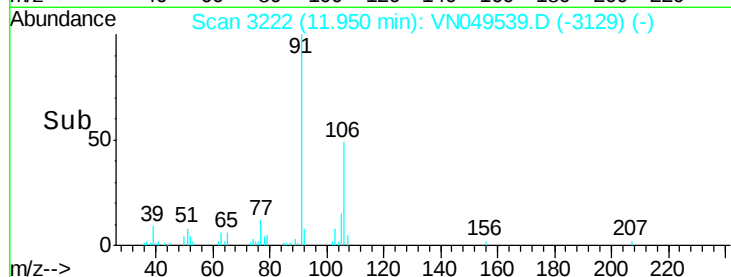
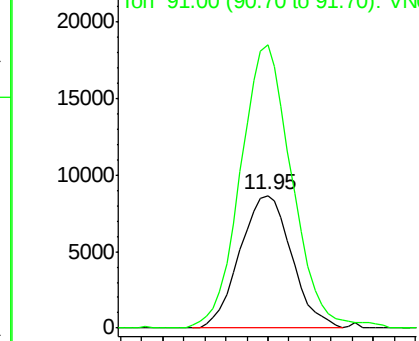
#69
o-Xylene
Concen: 0.63 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049539.D
Acq: 26 Jun 2018 4:20

Instrument :
MSVOA_N
ClientSampled :
RO-1-4

Tot Ion:106 Resp: 14752
Ion Ratio Lower Upper
106 100
91 212.9 111.0 333.0

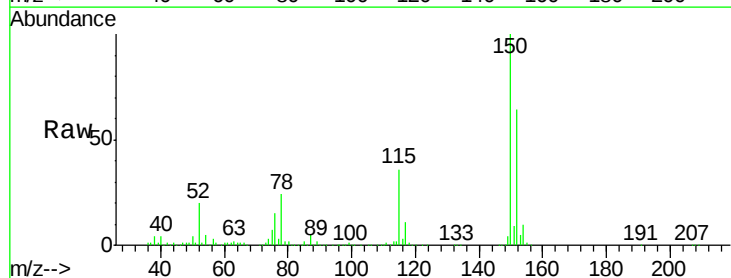


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

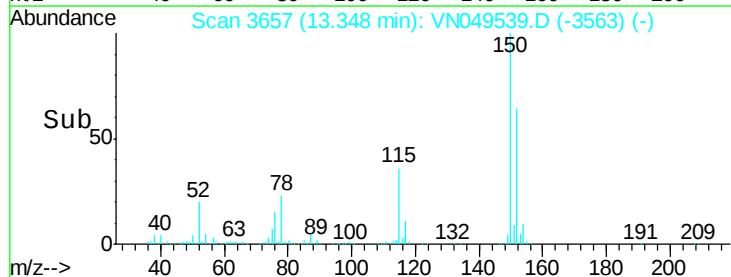
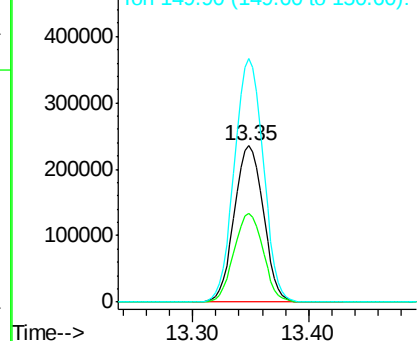


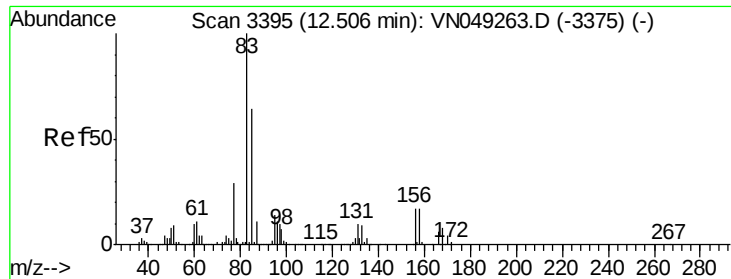
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3657
Delta R.T. 0.00 min
Lab File: VN049539.D
Acq: 26 Jun 2018 4:20

Tgt Ion:152 Resp: 410545
Ion Ratio Lower Upper
152 100
115 57.2 28.7 86.1
150 154.3 0.0 351.0



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





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.44 min Scan# 3375

Delta R.T. -0.06 min

Lab File: VN049539.D

Acq: 26 Jun 2018 4:20

Instrument :

MSVOA_N

ClientSampled :

RO-1-4

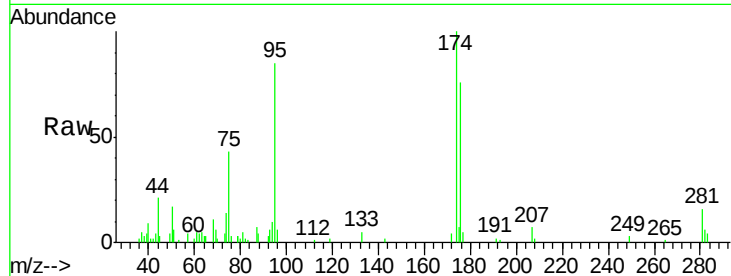
Tot Ion: 83 Resp: 30

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 0.0 32.0 96.0#



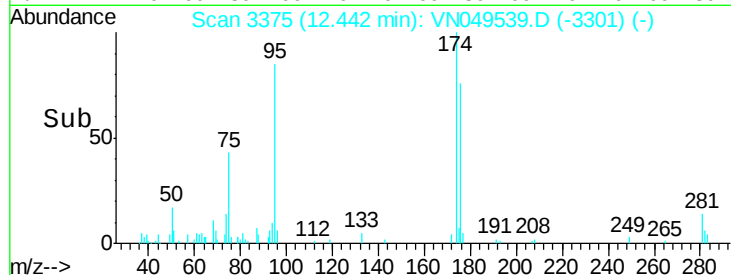
Abundance Ion 82.90 (82.60 to 83.60): VN049539.D (-3375) (-)

Ion 130.80 (130.50 to 131.50): VN049539.D (-3375) (-)

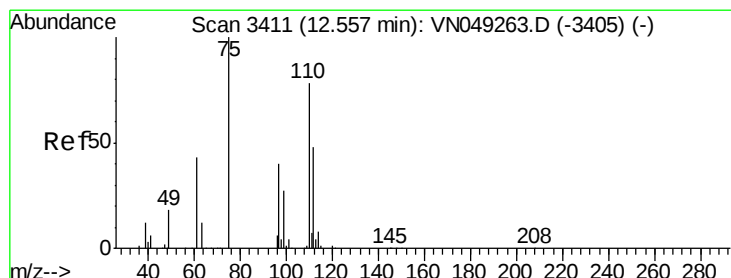
Ion 84.90 (84.60 to 85.60): VN049539.D (-3375) (-)

12.44

12.43 12.44 12.45



Time-->



#76

1,2,3-Trichloropropane

Concen: 43.02 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049539.D

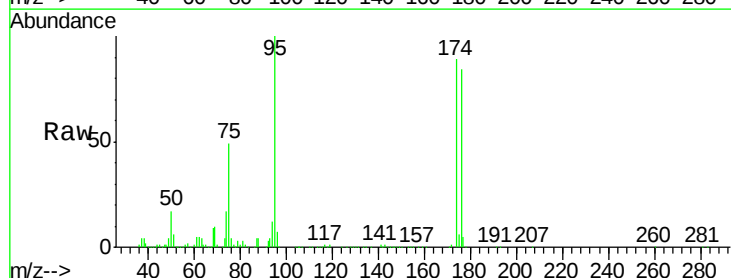
Acq: 26 Jun 2018 4:20

Tgt Ion: 75 Resp: 301356

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

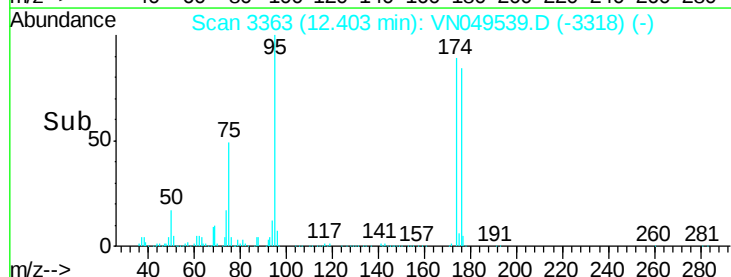


Abundance Ion 74.90 (74.60 to 75.60): VN049539.D (-3363) (-)

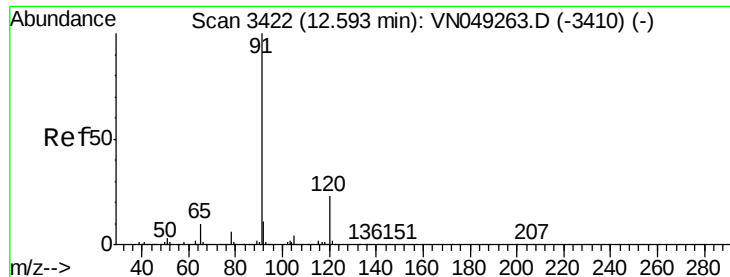
Ion 77.00 (76.70 to 77.70): VN049539.D (-3363) (-)

12.40

12.30 12.40 12.50



Time-->



#78

n-propylbenzene

Concen: 0.47 ug/l

RT: 12.60 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN049539.D

Acq: 26 Jun 2018 4:20

Instrument :

MSVOA_N

ClientSampleId :

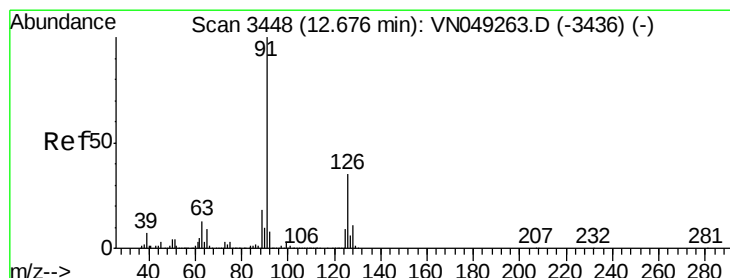
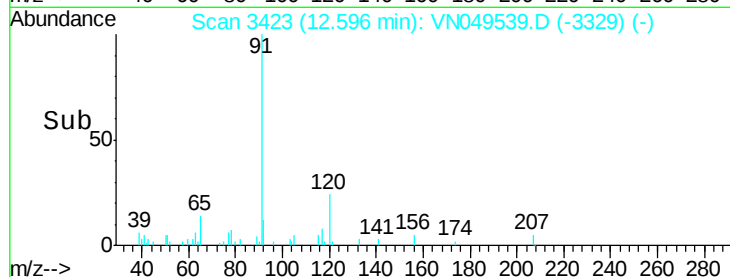
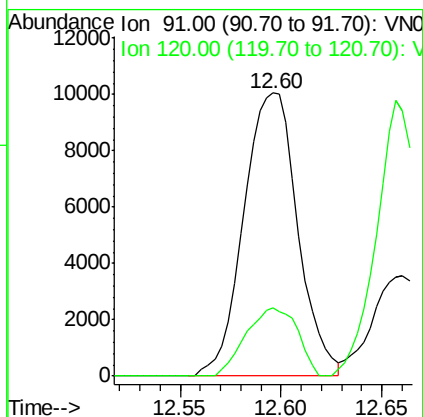
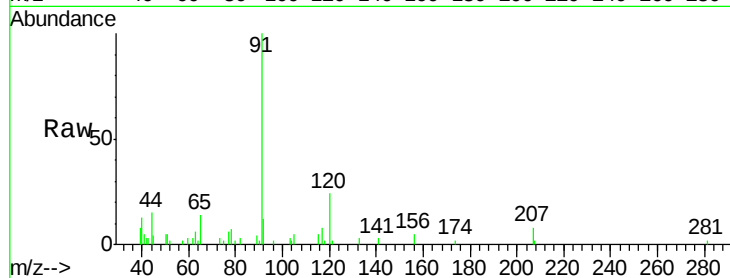
RO-1-4

Tot Ion: 91 Resp: 18800

Ion Ratio Lower Upper

91 100

120 23.0 11.2 33.5



#79

2-Chlorotoluene

Concen: 0.35 ug/l

RT: 12.66 min Scan# 3443

Delta R.T. -0.02 min

Lab File: VN049539.D

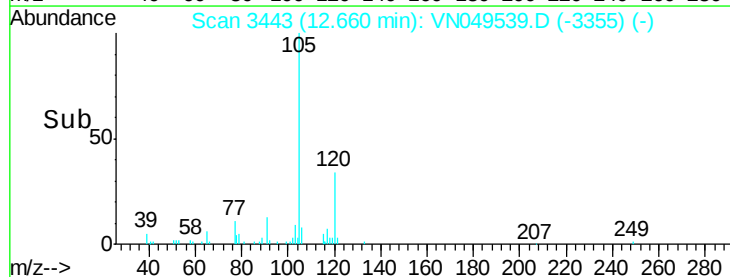
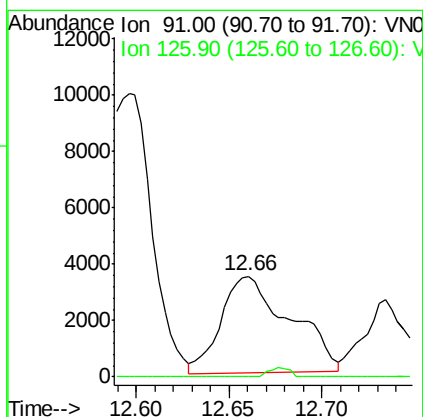
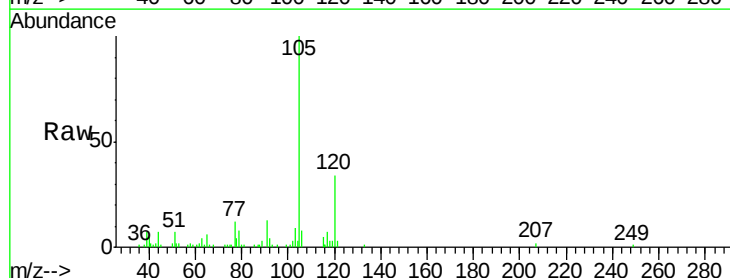
Acq: 26 Jun 2018 4:20

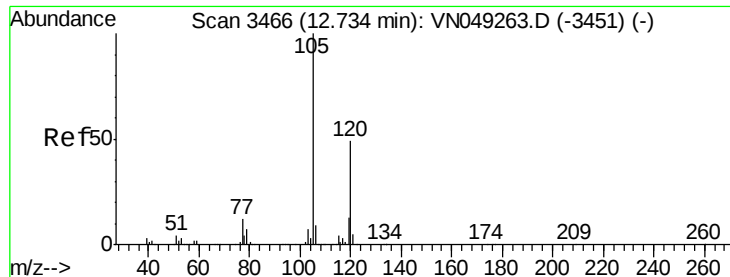
Tgt Ion: 91 Resp: 8883

Ion Ratio Lower Upper

91 100

126 2.8 16.6 49.8#





#80

1,3,5-Trimethylbenzene

Concen: 1.28 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049539.D

Acq: 26 Jun 2018 4:20

Instrument :

MSVOA_N

ClientSampled :

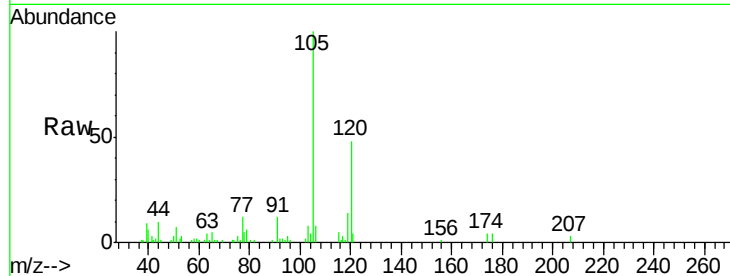
RO-1-4

Tot Ion:105 Resp: 36279

Ion Ratio Lower Upper

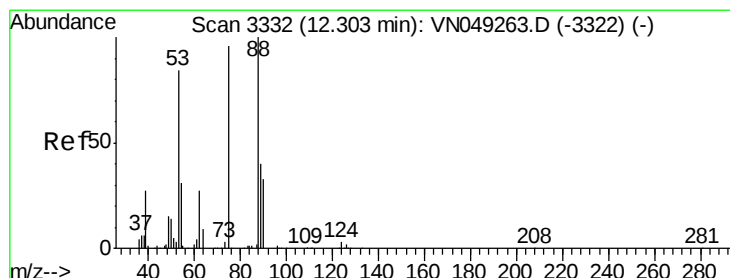
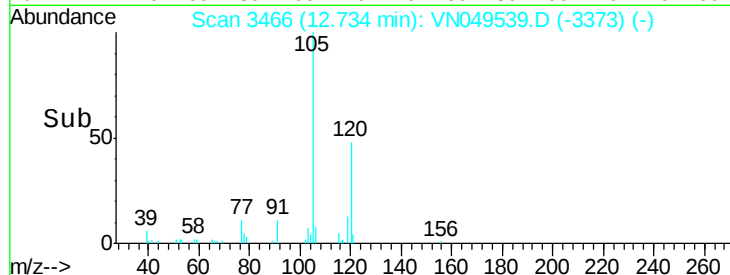
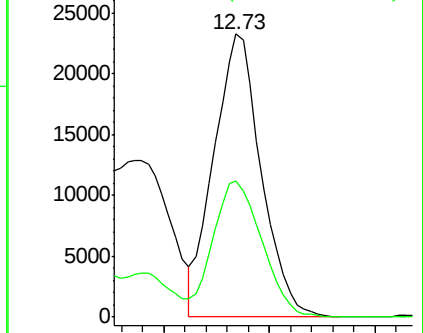
105 100

120 49.6 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 135.97 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049539.D

Acq: 26 Jun 2018 4:20

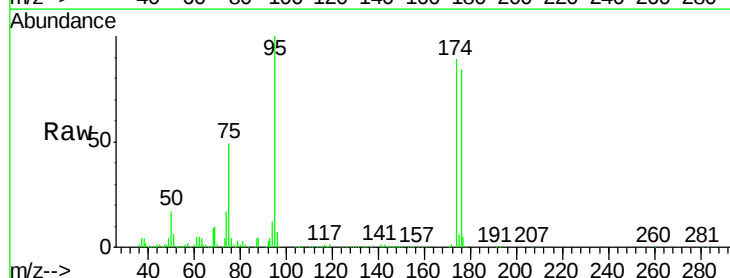
Tgt Ion: 75 Resp: 301356

Ion Ratio Lower Upper

75 100

53 0.0 82.7 124.1#

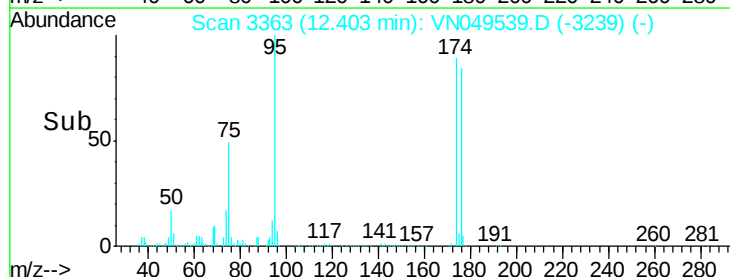
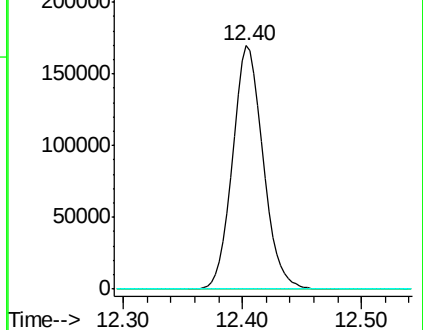
89 0.0 36.5 54.7#

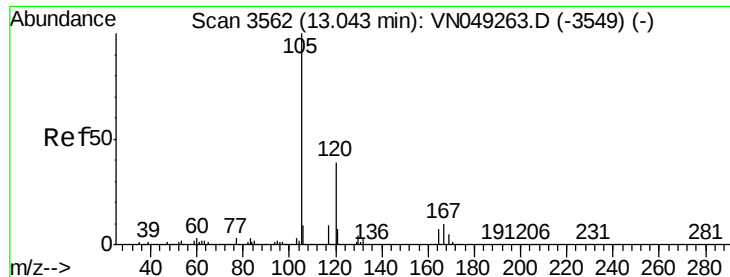


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#84

1,2,4-Trimethylbenzene

Concen: 3.23 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049539.D

Acq: 26 Jun 2018 4:20

Instrument :

MSVOA_N

ClientSampled :

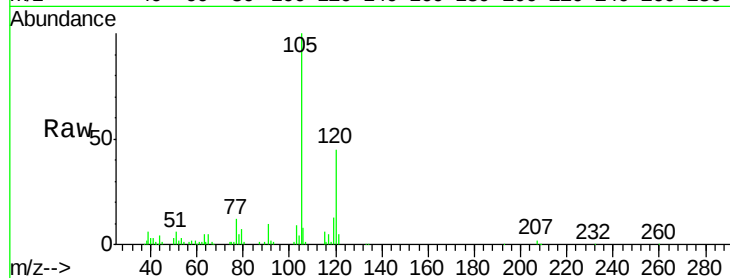
RO-1-4

Tot Ion:105 Resp: 90774

Ion Ratio Lower Upper

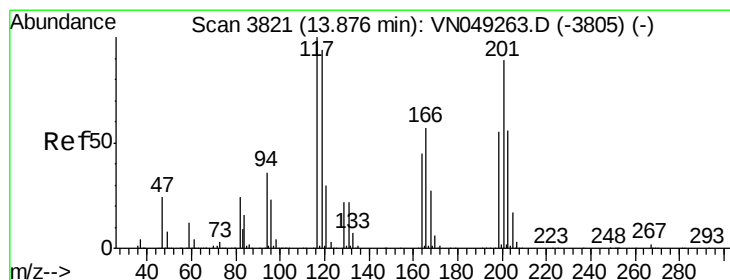
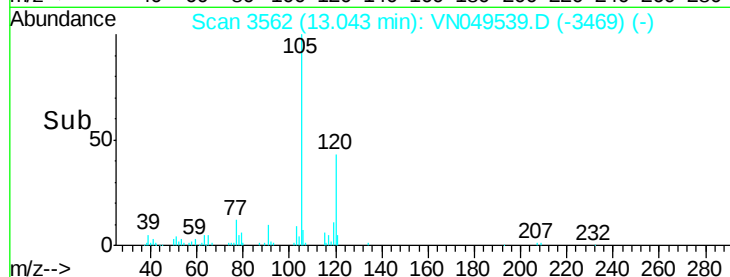
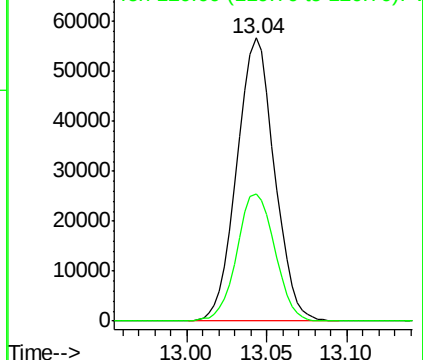
105 100

120 45.5 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: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN049539.D

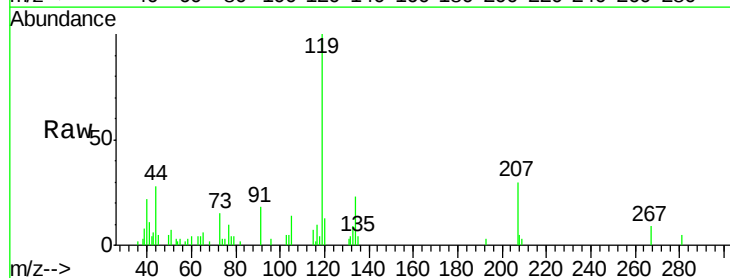
Acq: 26 Jun 2018 4:20

Tgt Ion:117 Resp: 1421

Ion Ratio Lower Upper

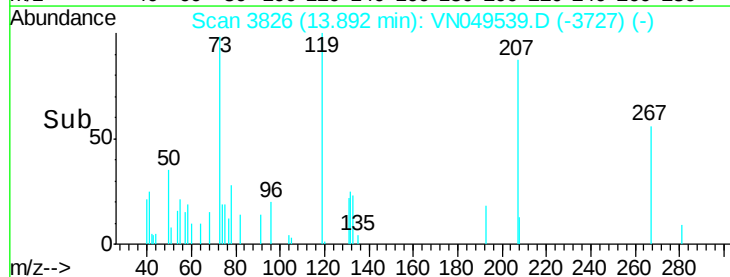
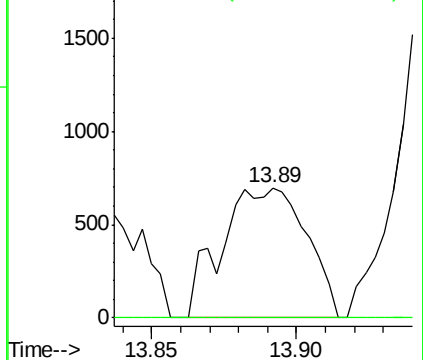
117 100

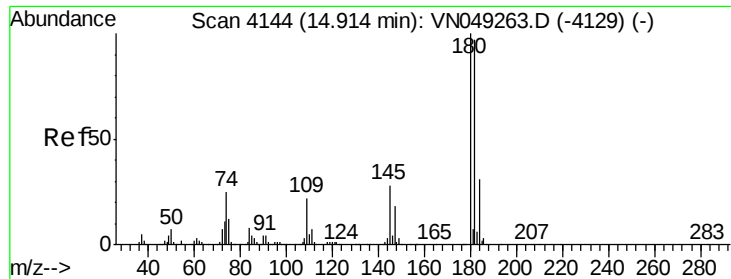
201 0.0 40.1 120.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

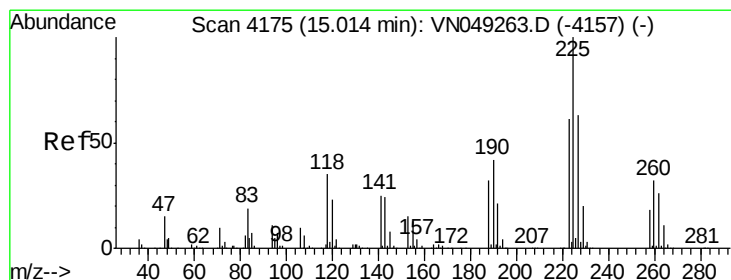
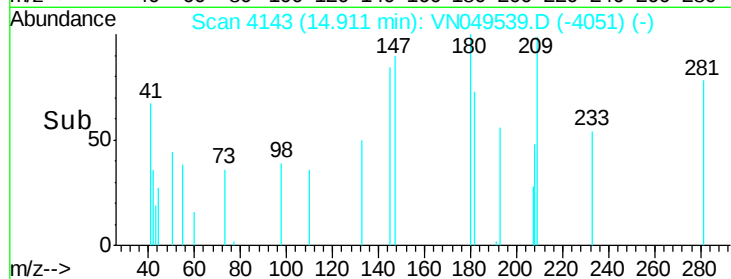
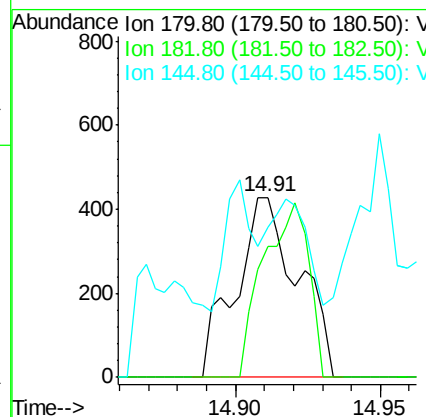
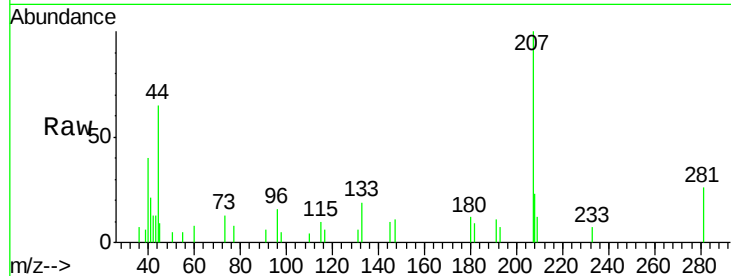




#93
 1,2,4-Trichlorobenzene
 Concen: 4.83 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049539.D
 Acq: 26 Jun 2018 4:20

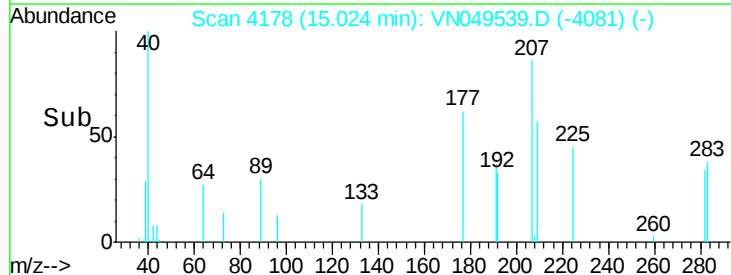
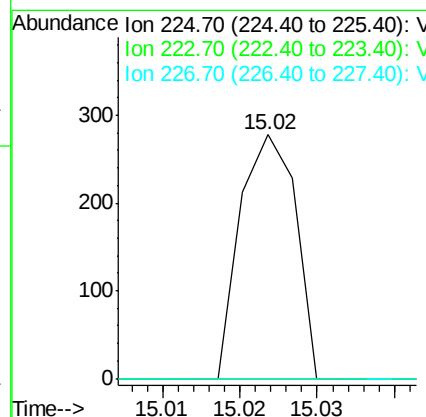
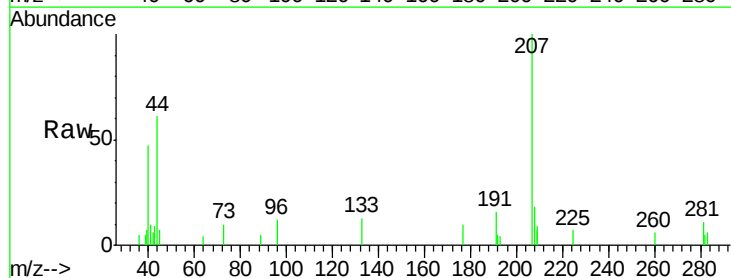
Instrument :
 MSVOA_N
 ClientSampled :
 RO-1-4

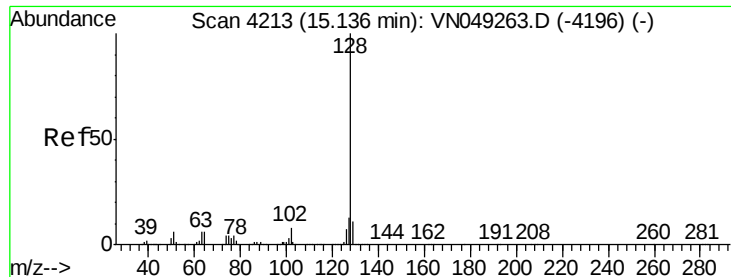
Tot Ion:180 Resp: 643
 Ion Ratio Lower Upper
 180 100
 182 70.5 46.9 140.8
 145 29.2 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.02 min Scan# 4178
 Delta R.T. 0.01 min
 Lab File: VN049539.D
 Acq: 26 Jun 2018 4:20

Tgt Ion:225 Resp: 139
 Ion Ratio Lower Upper
 225 100
 223 0.0 32.1 96.3#
 227 0.0 31.8 95.3#





#95

Naphthalene

Concen: 3.90 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049539.D

Acq: 26 Jun 2018 4:20

Instrument :

MSVOA_N

ClientSampleId :

RO-1-4

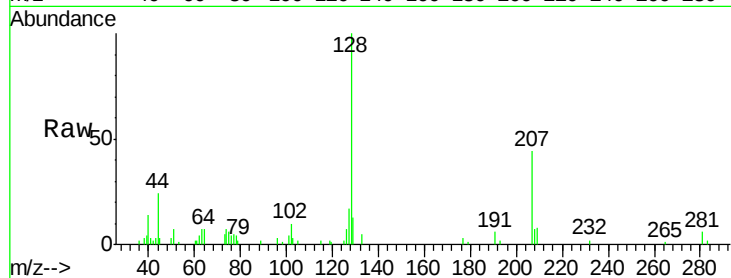
Tot Ion:128 Resp: 20812

Ion Ratio Lower Upper

128 100

127 16.5 10.6 16.0#

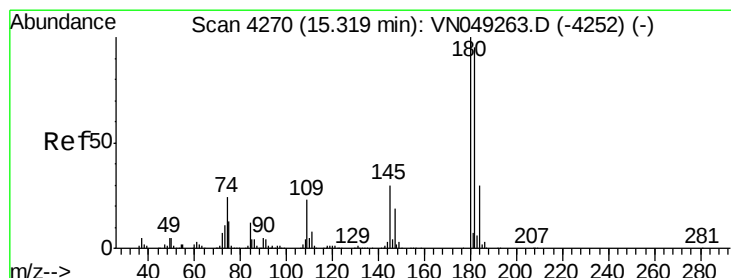
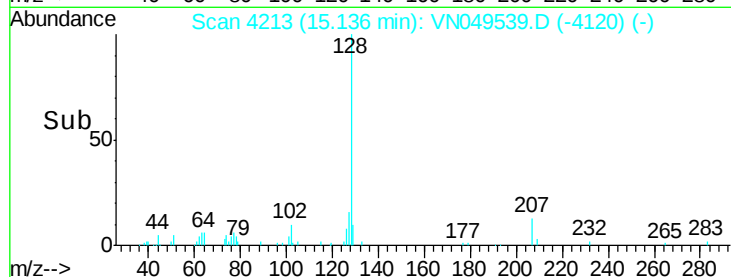
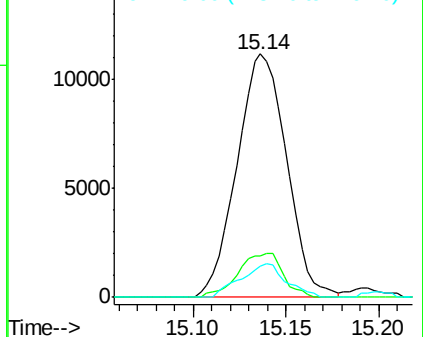
129 12.6 8.5 12.7



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: 3.52 ug/l

RT: 15.31 min Scan# 4268

Delta R.T. -0.01 min

Lab File: VN049539.D

Acq: 26 Jun 2018 4:20

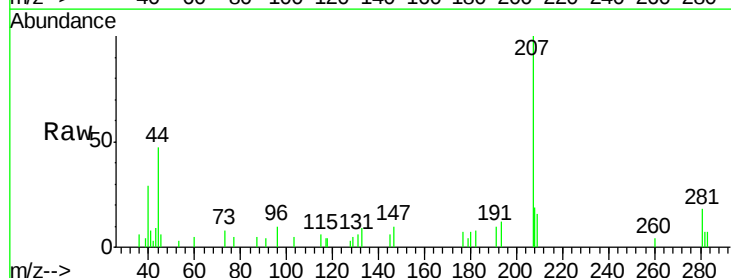
Tgt Ion:180 Resp: 437

Ion Ratio Lower Upper

180 100

182 97.9 47.3 141.8

145 87.6 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

