

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062518\
 Data File : VN049541.D
 Acq On : 26 Jun 2018 5:11
 Operator : MD\SY
 Sample : J3676-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RO-9-13

Quant Time: Jun 26 06:33:48 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	1090183	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1729655	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1413114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	406725	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	728100	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
35) Dibromofluoromethane	7.59	113	656555	46.92	ug/l	0.00
Spiked Amount			Recovery	=	93.84%	
50) Toluene-d8	10.09	98	2356248	44.22	ug/l	0.00
Spiked Amount			Recovery	=	88.44%	
62) 4-Bromofluorobenzene	12.40	95	596473	33.86	ug/l	0.00
Spiked Amount			Recovery	=	67.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	2801	0.31	ug/l	90
8) Diethyl Ether	3.41	74	3050	0.41	ug/l #	39
11) Tert butyl alcohol	4.77	59	830	0.98	ug/l #	70
13) Acrolein	3.60	56	190	0.21	ug/l #	1
16) Acetone	3.82	43	45292	12.90	ug/l	96
18) Methyl Acetate	4.33	43	75919	7.09	ug/l	97
20) Methylene Chloride	4.55	84	371709	25.35	ug/l	91
25) 2-Butanone	6.84	43	10033	2.13	ug/l	94
29) Tetrahydrofuran	7.21	42	793	0.26	ug/l #	70
30) Chloroform	7.37	83	10670	0.43	ug/l	96
31) Cyclohexane	7.67	56	20213	0.77	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	79048	3.99	ug/l #	50
38) Carbon Tetrachloride	7.67	117	98949	4.82	ug/l #	17
40) Benzene	8.04	78	12242	0.20	ug/l	95
43) Isopropyl Acetate	8.23	43	158992	7.72	ug/l #	64
47) Bromodichloromethane	9.41	83	4811	0.24	ug/l	94
49) 1,4-Dioxane	9.21	88	200	1.49	ug/l #	71
51) 4-Methyl-2-Pentanone	9.99	43	3161	0.29	ug/l #	39
67) Ethyl Benzene	11.51	91	20315	0.34	ug/l	94
68) m/p-Xylenes	11.62	106	8589	0.38	ug/l	96
69) o-Xylene	11.95	106	7236	0.33	ug/l	95
71) Bromoform	12.41	173	4638	0.52	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.50	83	63	Below	Cal #	26
76) 1,2,3-Trichloropropane	12.40	75	285421	41.13	ug/l #	100
77) Bromobenzene	12.52	156	2005	0.21	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.73	105	10428	0.37	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	285421	129.99	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.04	105	30636	1.10	ug/l	99
90) Hexachloroethane	13.89	117	842	Below	Cal #	9
92) 1,2-Dibromo-3-Chloropropan	14.26	75	250	0.20	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.91	180	1178	4.90	ug/l #	75
95) Naphthalene	15.14	128	116283	12.10	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	172	3.48	ug/l #	12

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Response via : Initial Calibration

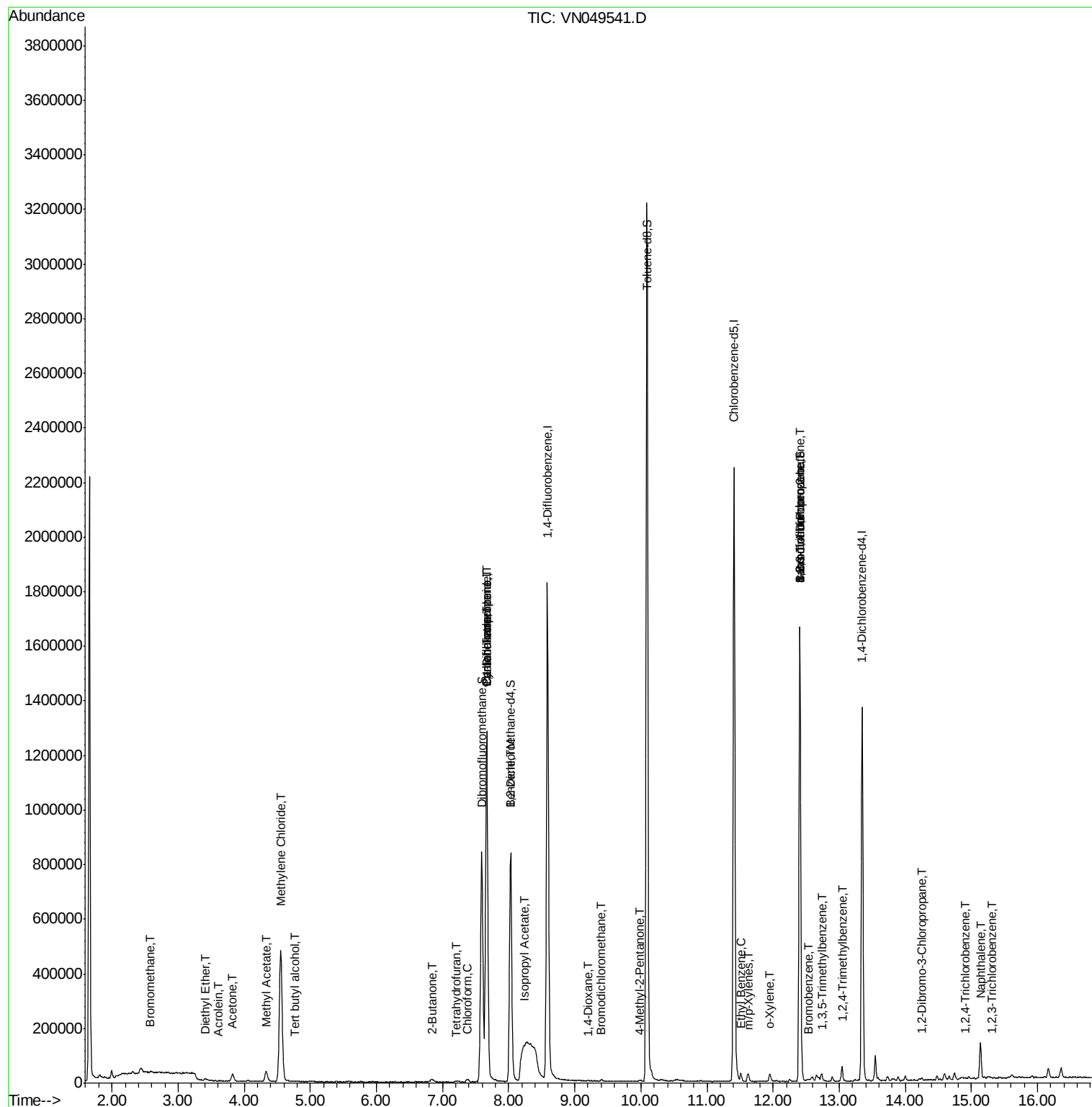
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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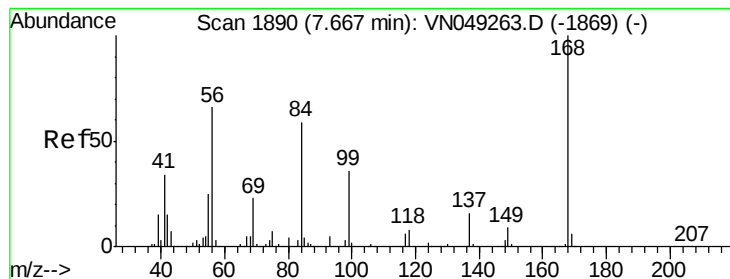
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049541.D

Acq: 26 Jun 2018 5:11

Instrument :

MSVOA_N

ClientSampled :

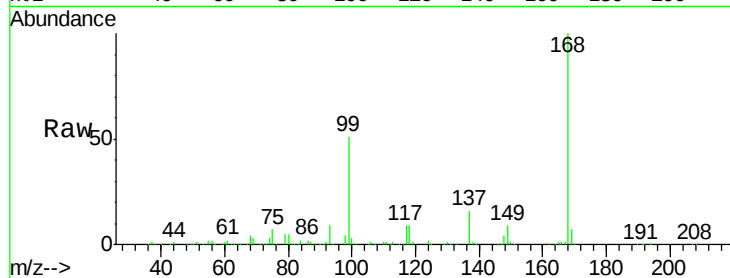
RO-9-13

Tot Ion:168 Resp: 1090183

Ion Ratio Lower Upper

168 100

99 51.1 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

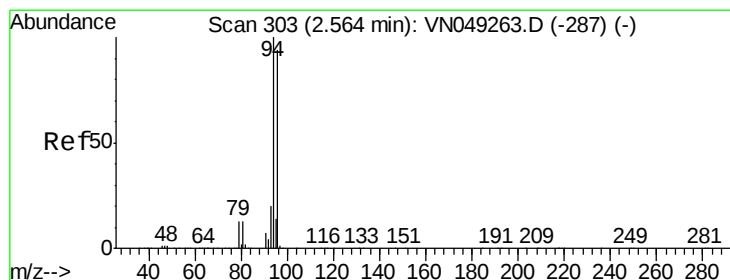
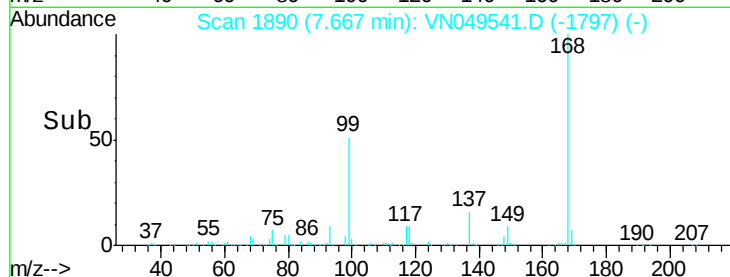
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 0.31 ug/l

RT: 2.57 min Scan# 306

Delta R.T. 0.01 min

Lab File: VN049541.D

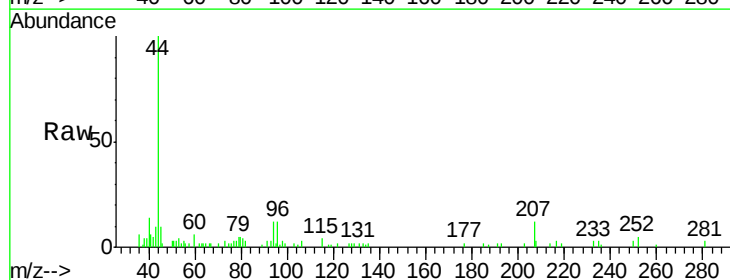
Acq: 26 Jun 2018 5:11

Tgt Ion: 94 Resp: 2801

Ion Ratio Lower Upper

94 100

96 81.2 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.57

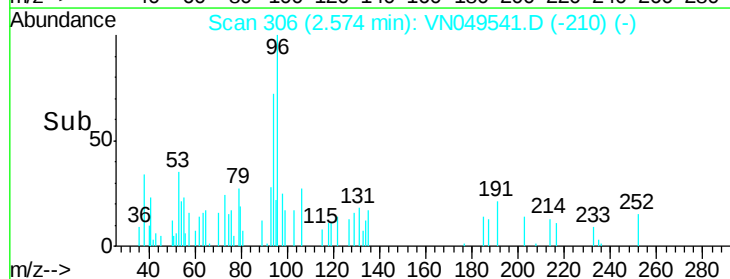
1500

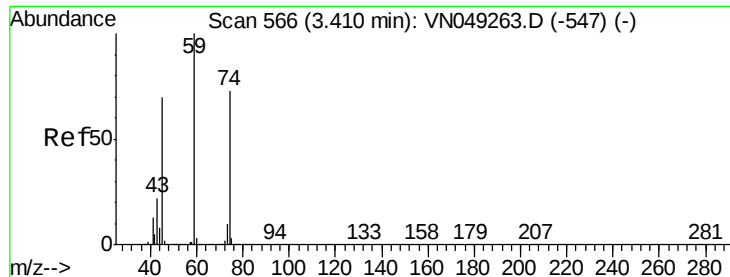
1000

500

0

Time-->





#8

Diethyl Ether

Concen: 0.41 ug/l

RT: 3.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN049541.D

Acq: 26 Jun 2018 5:11

Instrument :

MSVOA_N

ClientSampled :

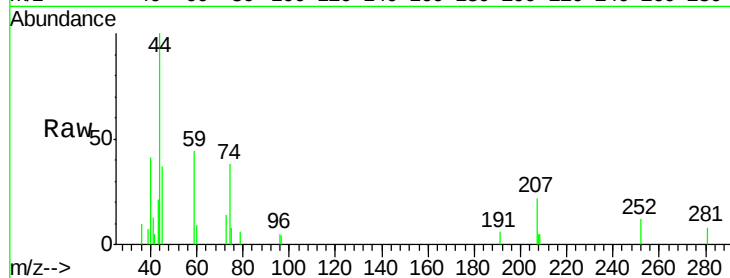
RO-9-13

Tot Ion: 74 Resp: 3050

Ion Ratio Lower Upper

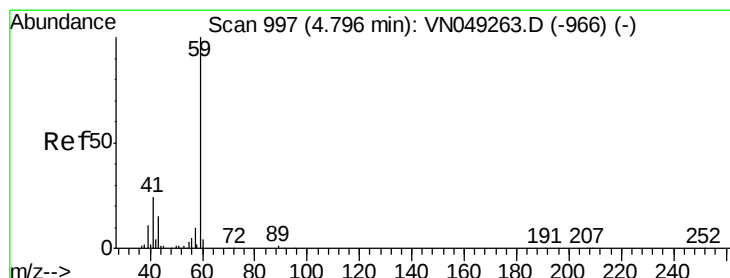
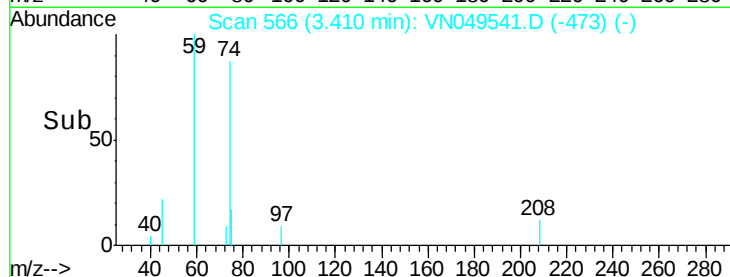
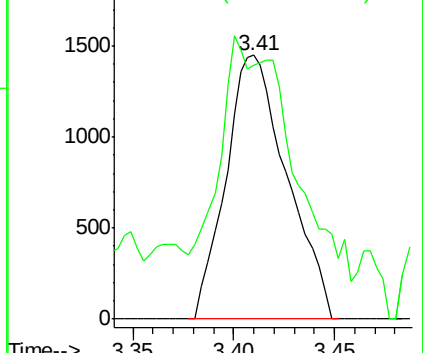
74 100

45 41.8 51.9 155.8#



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#11

Tert butyl alcohol

Concen: 0.98 ug/l

RT: 4.77 min Scan# 988

Delta R.T. -0.03 min

Lab File: VN049541.D

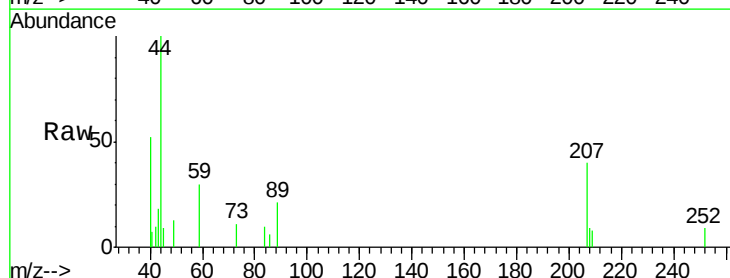
Acq: 26 Jun 2018 5:11

Tgt Ion: 59 Resp: 830

Ion Ratio Lower Upper

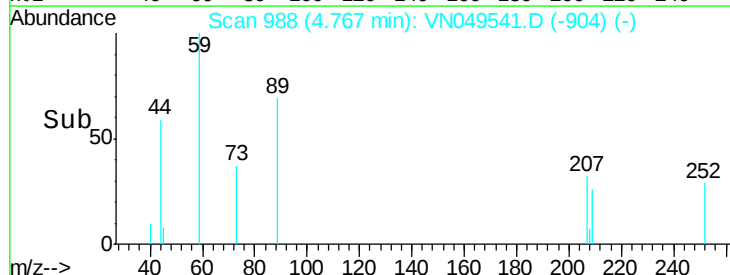
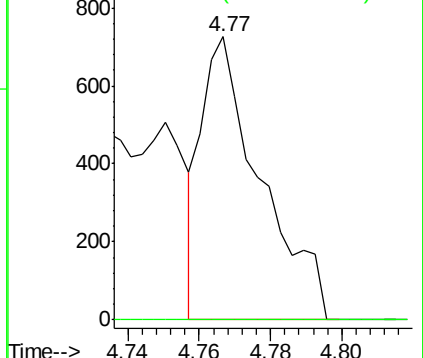
59 100

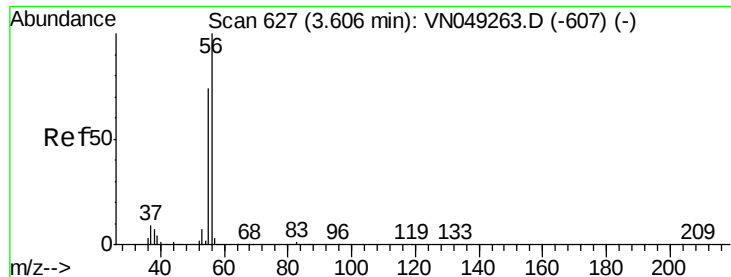
57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#13

Acrolein

Concen: 0.21 ug/l

RT: 3.60 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN049541.D

Acq: 26 Jun 2018 5:11

Instrument :

MSVOA_N

ClientSampled :

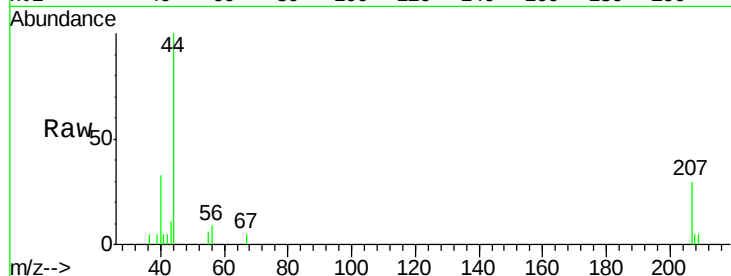
RO-9-13

Tot Ion: 56 Resp: 190

Ion Ratio Lower Upper

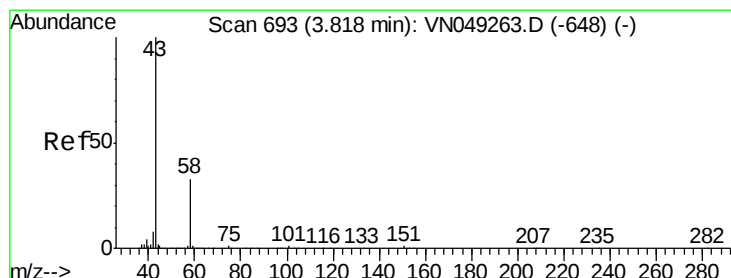
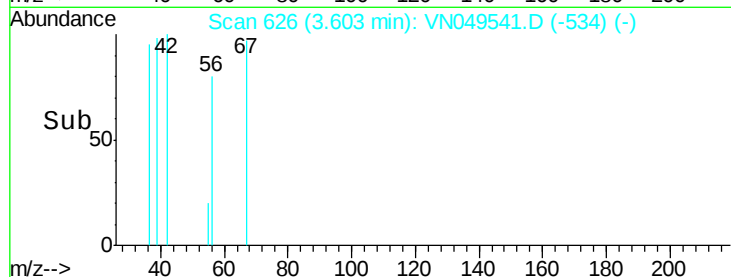
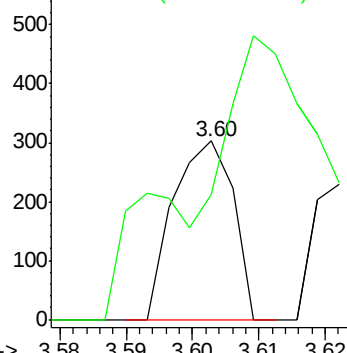
56 100

55 245.8 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 12.90 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049541.D

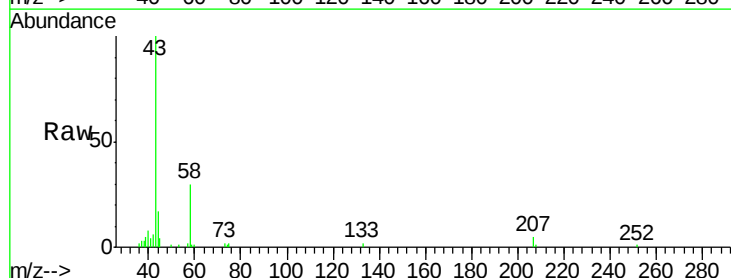
Acq: 26 Jun 2018 5:11

Tgt Ion: 43 Resp: 45292

Ion Ratio Lower Upper

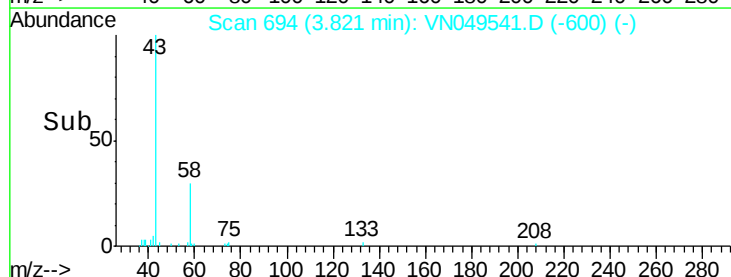
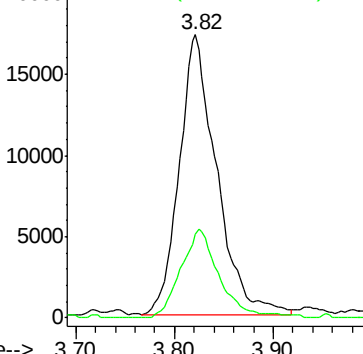
43 100

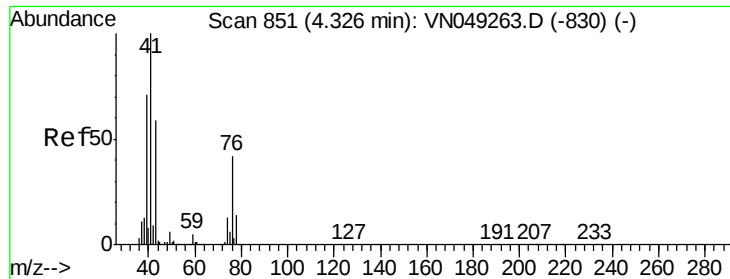
58 30.1 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

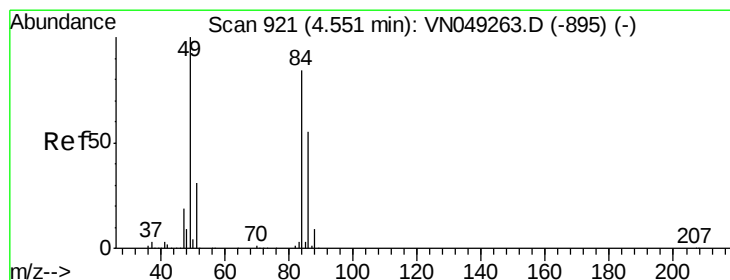
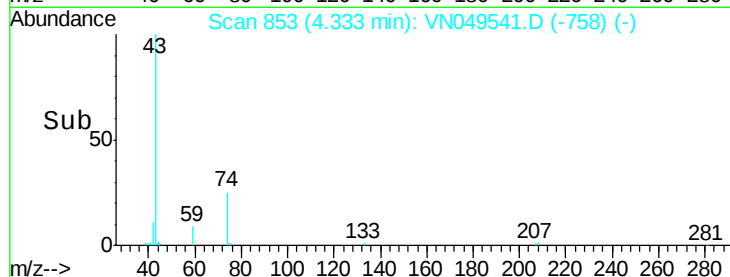
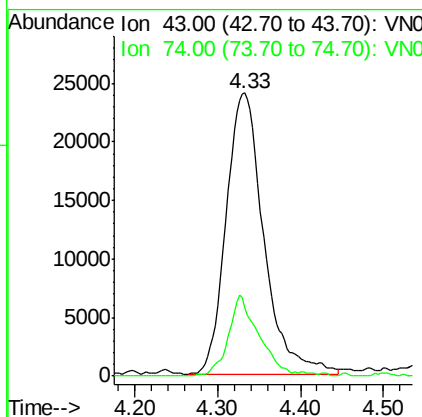
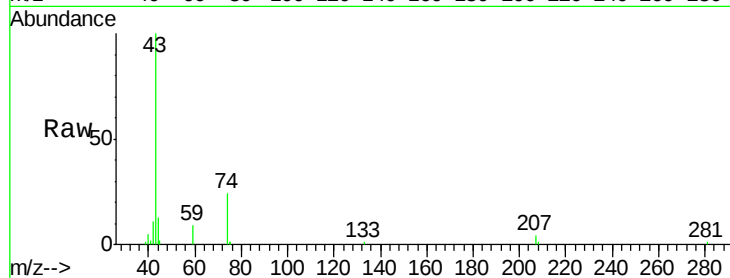




#18
Methvl Acetate
Concen: 7.09 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.01 min
Lab File: VN049541.D
Acq: 26 Jun 2018 5:11

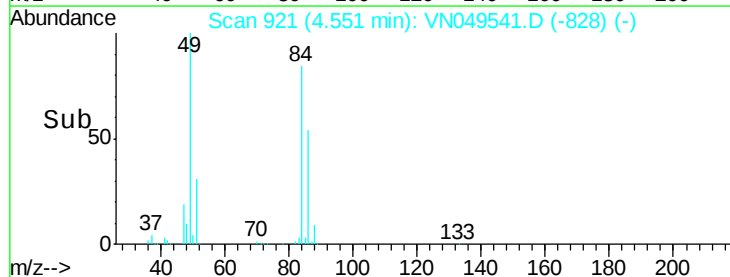
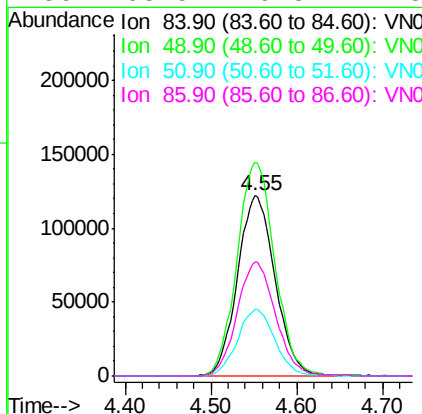
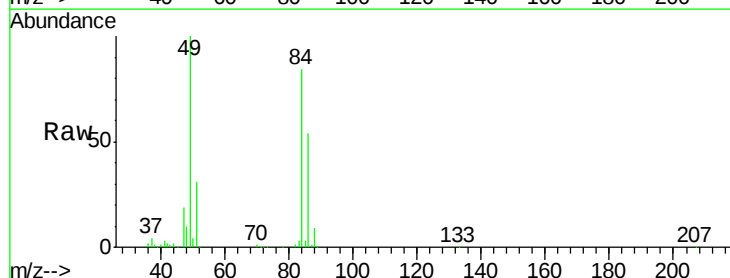
Instrument :
MSVOA_N
ClientSampled :
RO-9-13

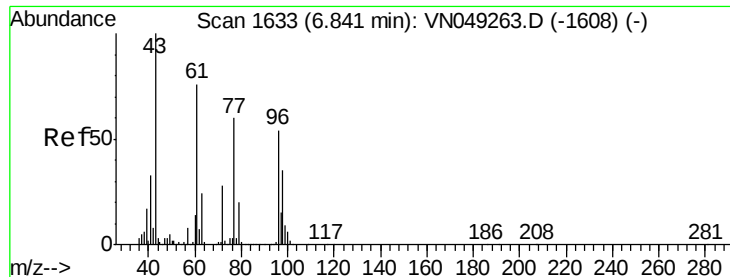
Tot Ion: 43 Resp: 75919
Ion Ratio Lower Upper
43 100
74 23.0 17.4 26.0



#20
Methylene Chloride
Concen: 25.35 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049541.D
Acq: 26 Jun 2018 5:11

Tgt Ion: 84 Resp: 371709
Ion Ratio Lower Upper
84 100
49 118.5 106.9 160.3
51 36.8 32.7 49.1
86 63.5 49.8 74.8

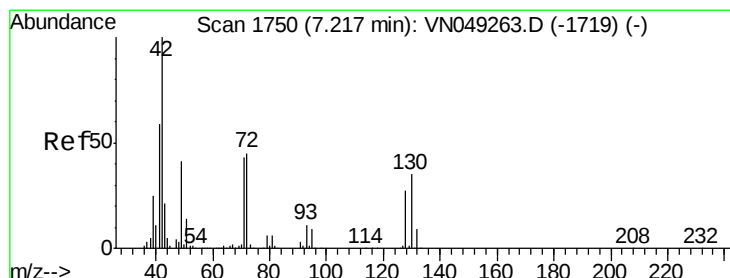
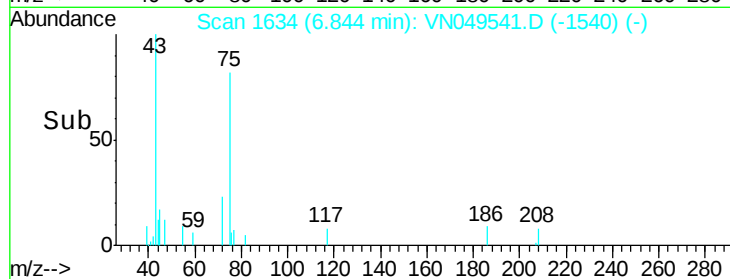
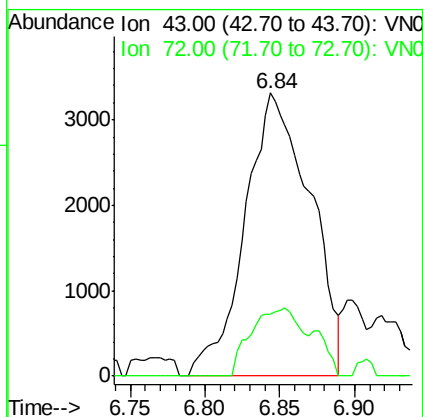
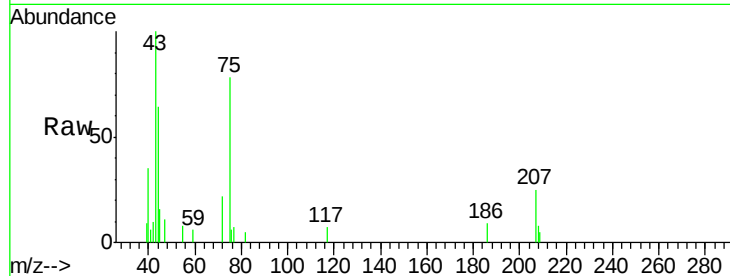




#25
2-Butanone
Concen: 2.13 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN049541.D
Acq: 26 Jun 2018 5:11

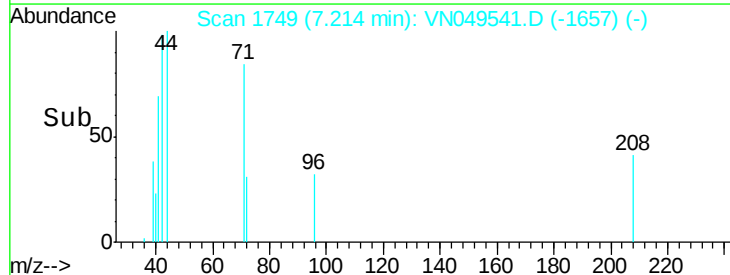
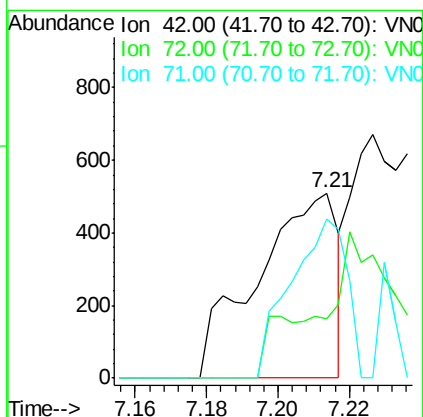
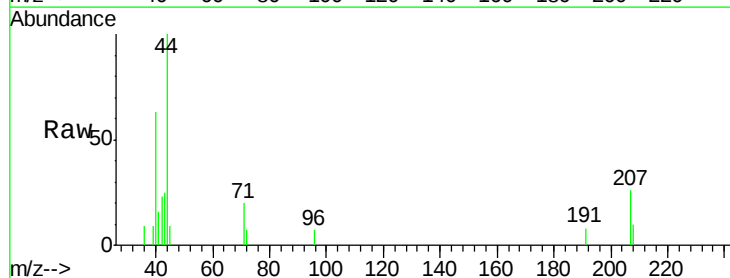
Instrument :
MSVOA_N
ClientSampled :
RO-9-13

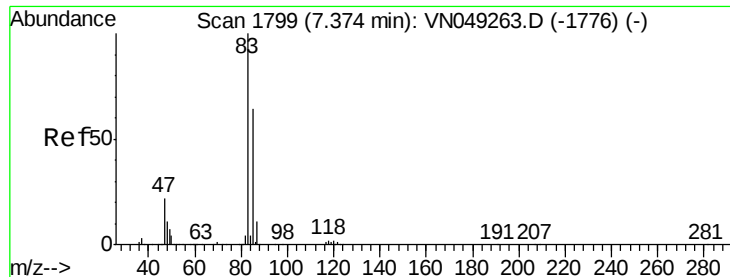
Tot Ion: 43 Resp: 10033
Ion Ratio Lower Upper
43 100
72 22.0 20.2 30.2



#29
Tetrahydrofuran
Concen: 0.26 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN049541.D
Acq: 26 Jun 2018 5:11

Tgt Ion: 42 Resp: 793
Ion Ratio Lower Upper
42 100
72 26.0 32.2 48.4#
71 60.2 30.5 45.7#





#30

Chloroform

Concen: 0.43 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN049541.D

Acq: 26 Jun 2018 5:11

Instrument :

MSVOA_N

ClientSampleId :

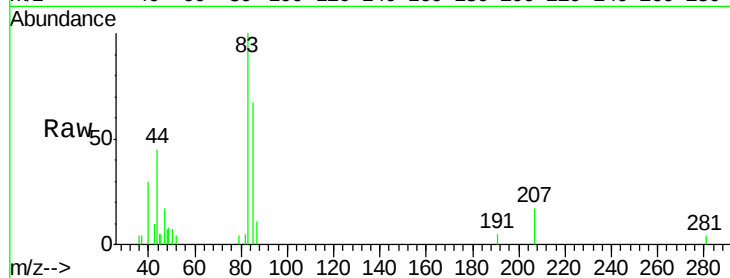
RO-9-13

Tot Ion: 83 Resp: 10670

Ion Ratio Lower Upper

83 100

85 67.4 51.7 77.5

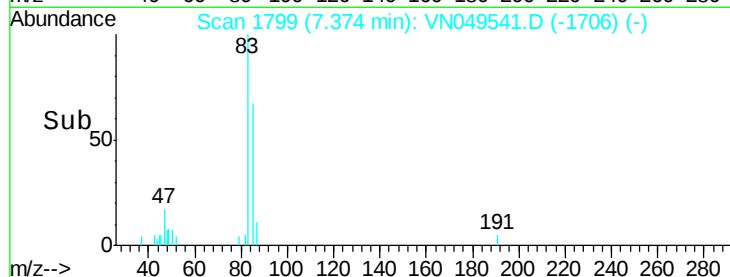


Abundance Ion 82.90 (82.60 to 83.60): VN049263.D (-1776) (-)

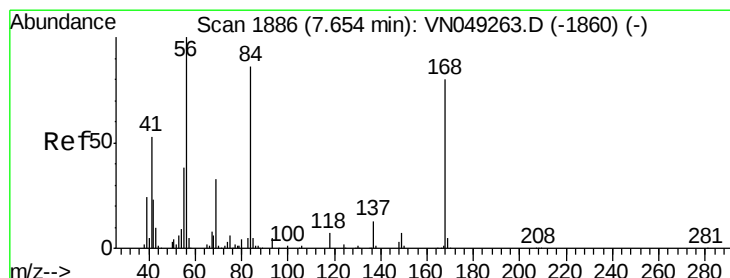
Ion 84.90 (84.60 to 85.60): VN049263.D (-1776) (-)

7.37

7.30 7.35 7.40 7.45



Time-->



#31

Cyclohexane

Concen: 0.77 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN049541.D

Acq: 26 Jun 2018 5:11

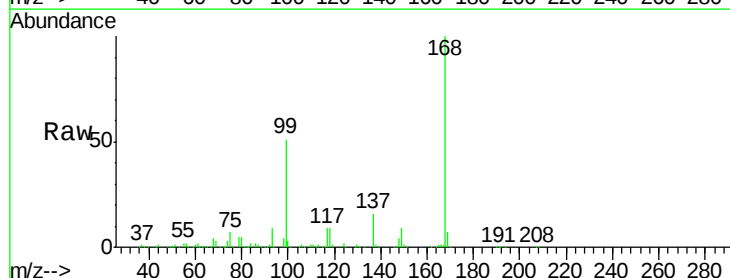
Tgt Ion: 56 Resp: 20213

Ion Ratio Lower Upper

56 100

69 186.4 25.0 37.4#

84 139.9 64.6 96.8#



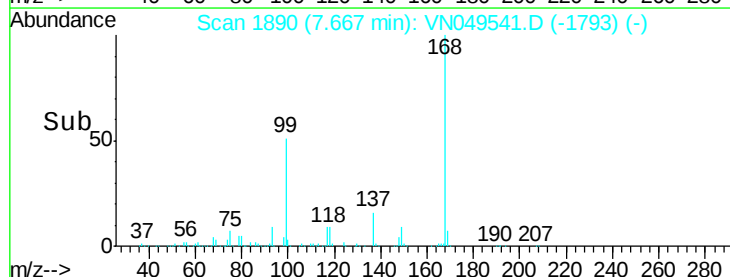
Abundance Ion 56.00 (55.70 to 56.70): VN049263.D (-1860) (-)

Ion 69.00 (68.70 to 69.70): VN049263.D (-1860) (-)

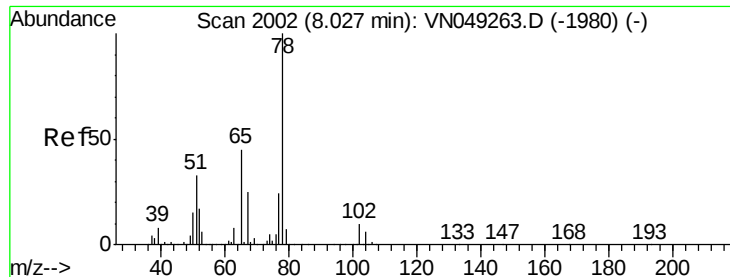
Ion 84.00 (83.70 to 84.70): VN049263.D (-1860) (-)

7.67

7.60 7.65 7.70 7.75



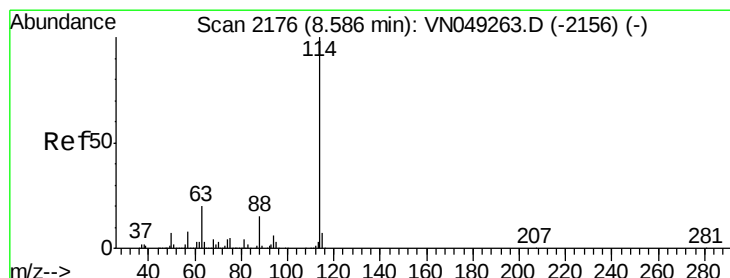
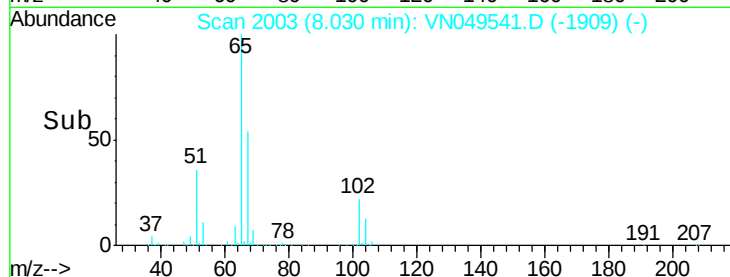
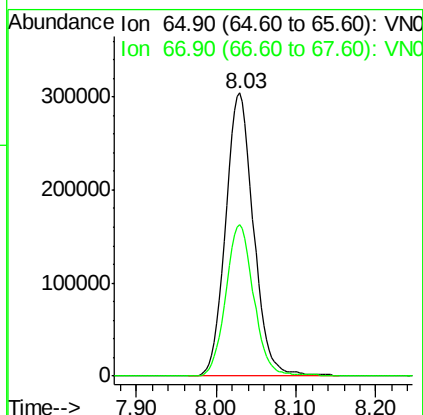
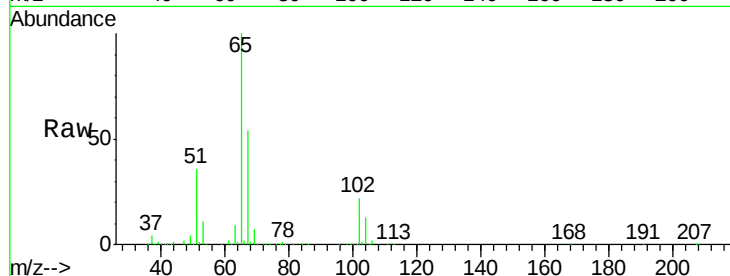
Time-->



#33
 1,2-Dichloroethane-d4
 Concen: 50.35 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049541.D
 Acq: 26 Jun 2018 5:11

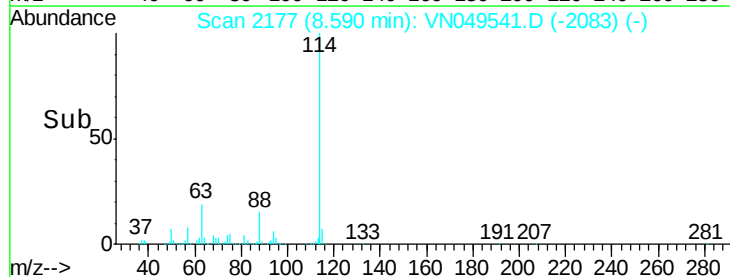
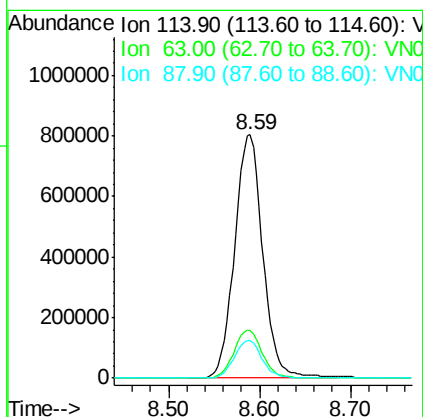
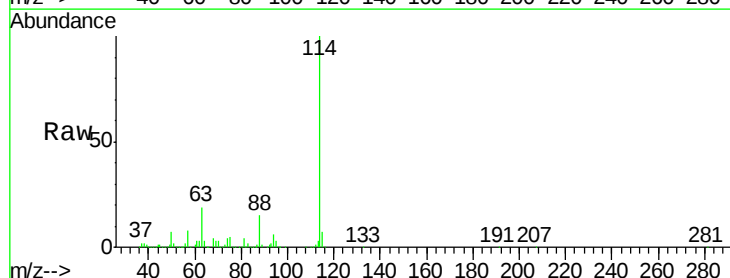
Instrument :
 MSVOA_N
 ClientSampleId :
 RO-9-13

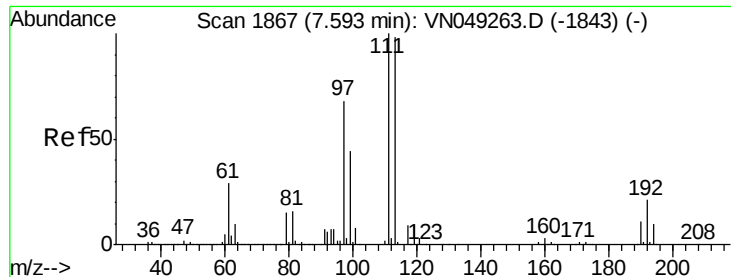
Tot Ion: 65 Resp: 728100
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049541.D
 Acq: 26 Jun 2018 5:11

Tgt Ion: 114 Resp: 1729655
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 44.4
 88 15.3 0.0 31.4

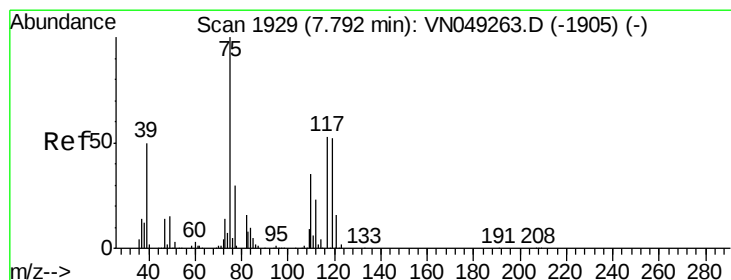
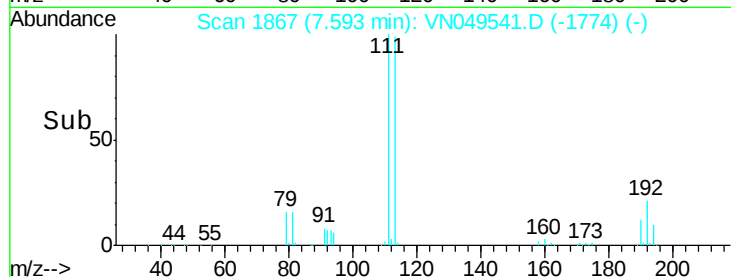
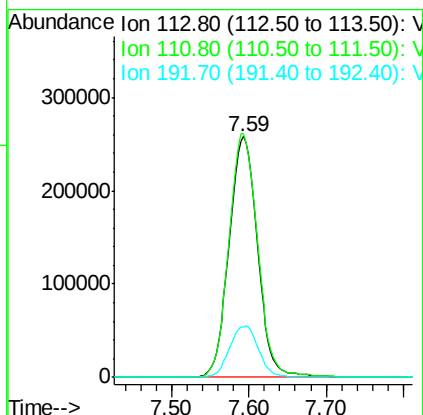
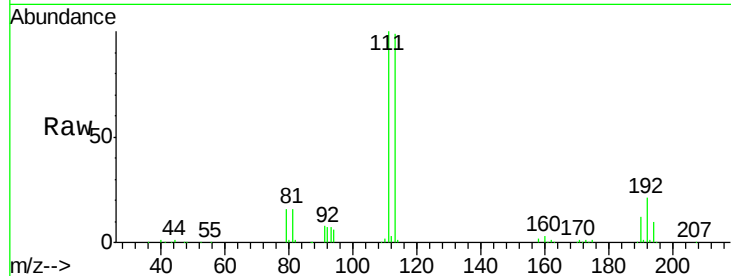




#35
Dibromofluoromethane
Concen: 46.92 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN049541.D
Acq: 26 Jun 2018 5:11

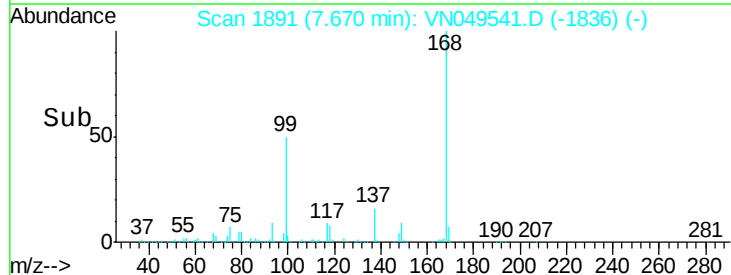
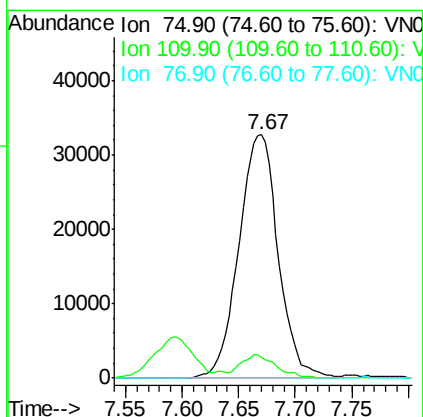
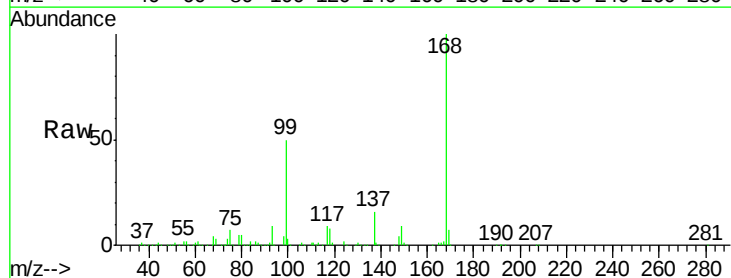
Instrument :
MSVOA_N
ClientSampleId :
RO-9-13

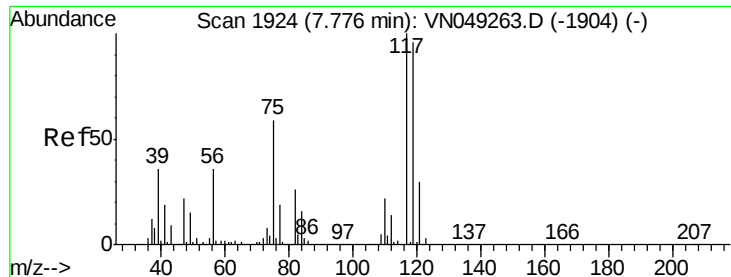
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.4	123.6
192	21.8	15.0	22.6



#36
1,1-Dichloropropene
Concen: 3.99 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.12 min
Lab File: VN049541.D
Acq: 26 Jun 2018 5:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	17.0	50.9#
77	0.0	24.4	36.6#





#38

Carbon Tetrachloride

Concen: 4.82 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049541.D

Acq: 26 Jun 2018 5:11

Instrument :

MSVOA_N

ClientSampleId :

RO-9-13

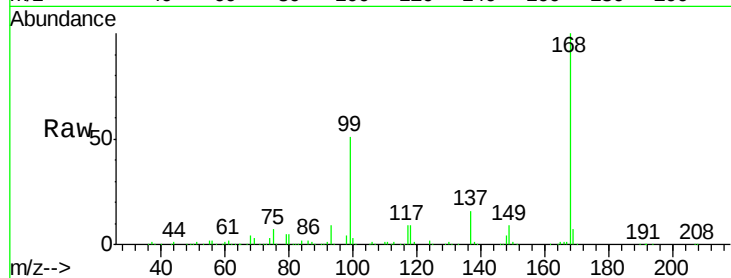
Tot Ion:117 Resp: 98949

Ion Ratio Lower Upper

117 100

119 5.8 75.6 113.4#

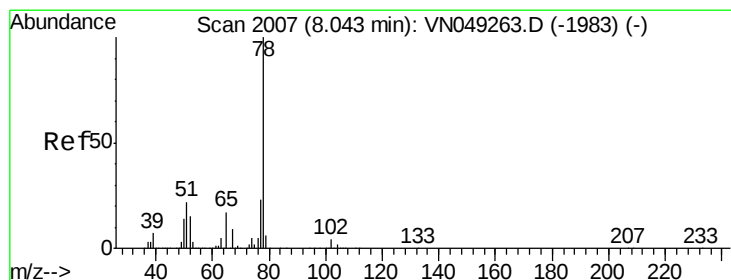
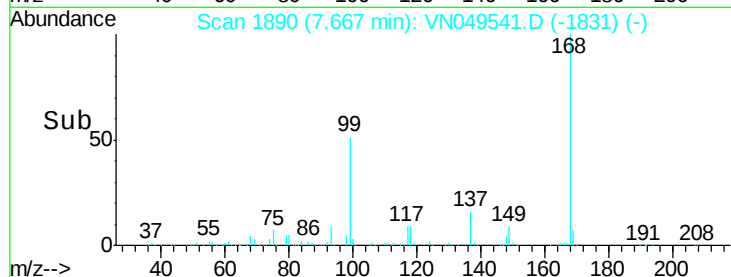
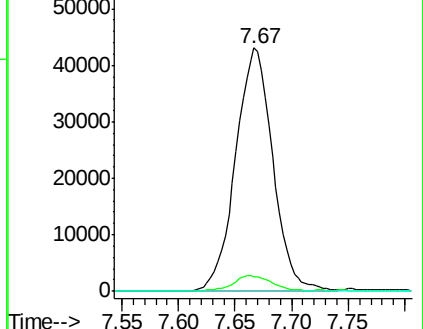
121 0.0 24.7 37.1#



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: 0.20 ug/l

RT: 8.04 min Scan# 2006

Delta R.T. -0.00 min

Lab File: VN049541.D

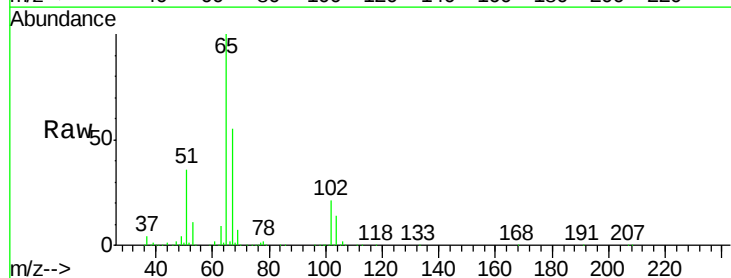
Acq: 26 Jun 2018 5:11

Tgt Ion: 78 Resp: 12242

Ion Ratio Lower Upper

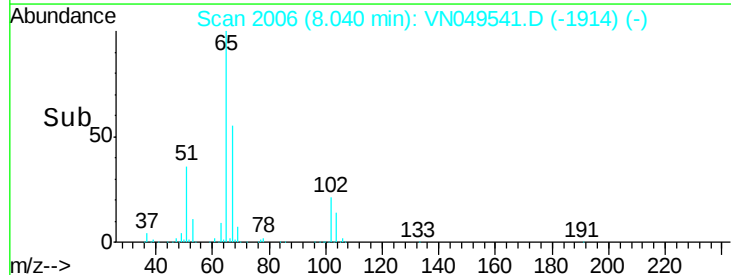
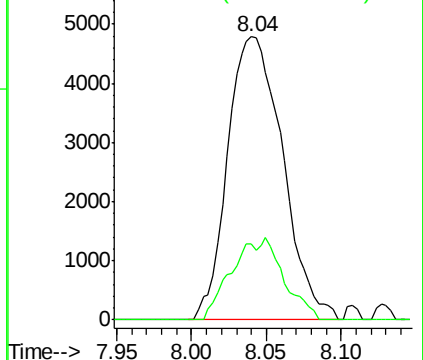
78 100

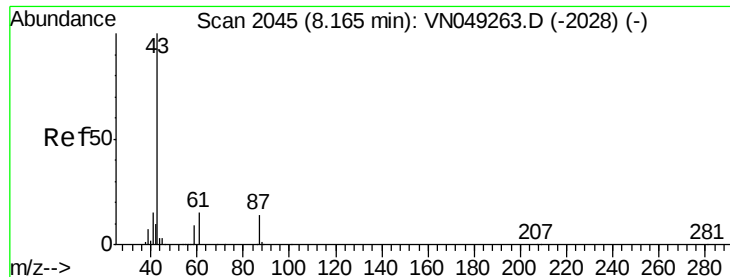
77 26.6 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#43

Isopropyl Acetate

Concen: 7.72 ug/l

RT: 8.23 min Scan# 2066

Delta R.T. 0.07 min

Lab File: VN049541.D

Acq: 26 Jun 2018 5:11

Instrument :

MSVOA_N

ClientSampleId :

RO-9-13

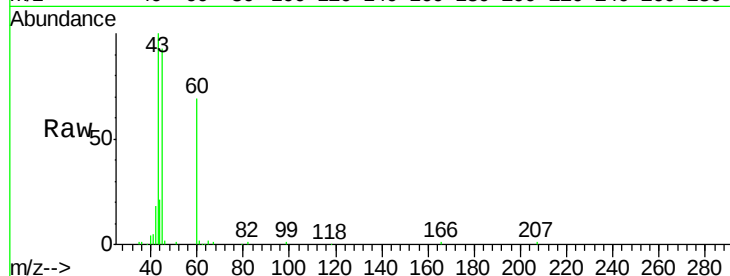
Tot Ion: 43 Resp: 158992

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

87 0.0 9.4 14.0#



Abundance Ion 43.00 (42.70 to 43.70): VN049541.D (-2066) (-)

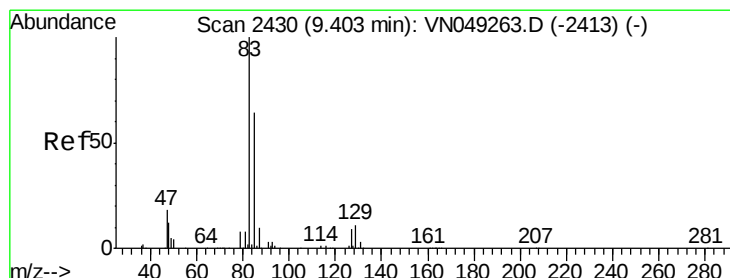
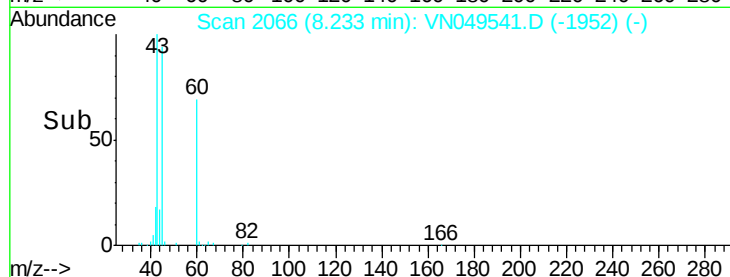
Ion 61.00 (60.70 to 61.70): VN049541.D (-2066) (-)

Ion 87.00 (86.70 to 87.70): VN049541.D (-2066) (-)

Time-->

8.10 8.15 8.20 8.25

8.23



#47

Bromodichloromethane

Concen: 0.24 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN049541.D

Acq: 26 Jun 2018 5:11

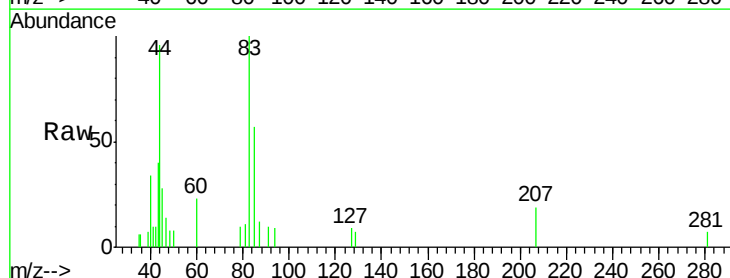
Tgt Ion: 83 Resp: 4811

Ion Ratio Lower Upper

83 100

85 56.8 49.4 74.0

127 8.7 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN049541.D (-2431) (-)

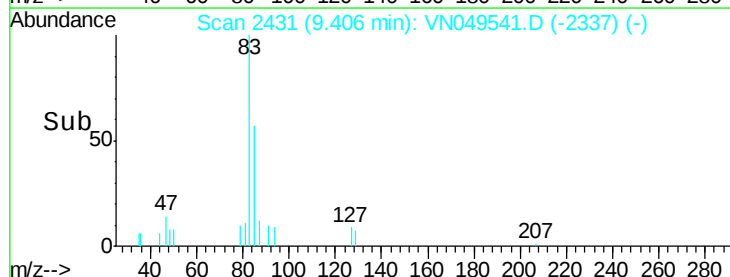
Ion 84.90 (84.60 to 85.60): VN049541.D (-2431) (-)

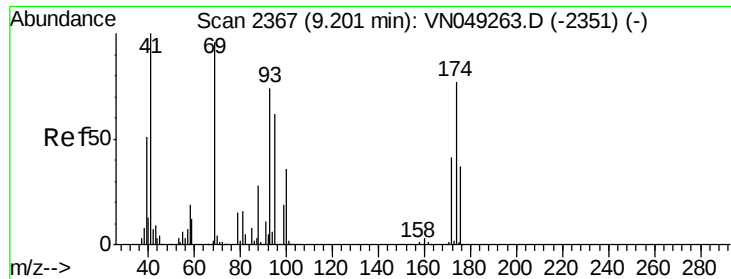
Ion 126.80 (126.50 to 127.50): VN049541.D (-2431) (-)

Time-->

9.35 9.40 9.45

9.41

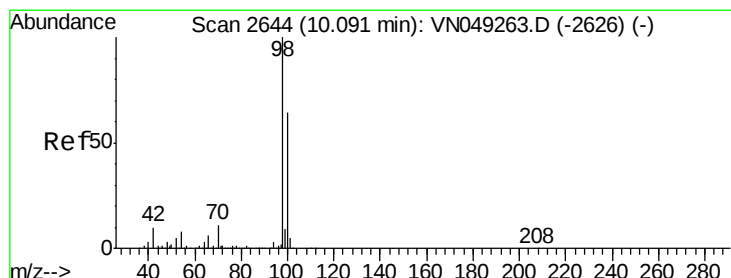
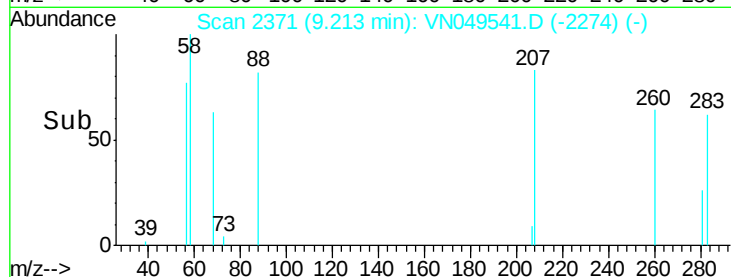
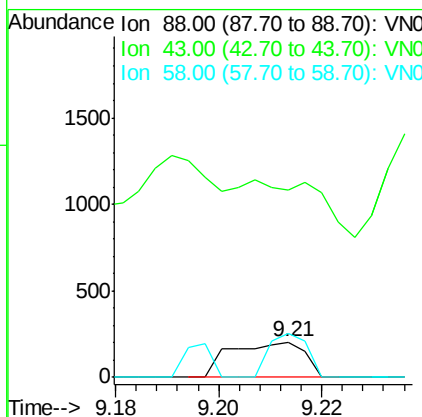
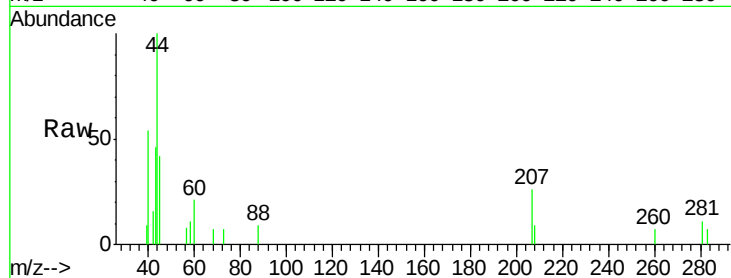




#49
1,4-Dioxane
Concen: 1.49 ug/l
RT: 9.21 min Scan# 2371
Delta R.T. 0.01 min
Lab File: VN049541.D
Acq: 26 Jun 2018 5:11

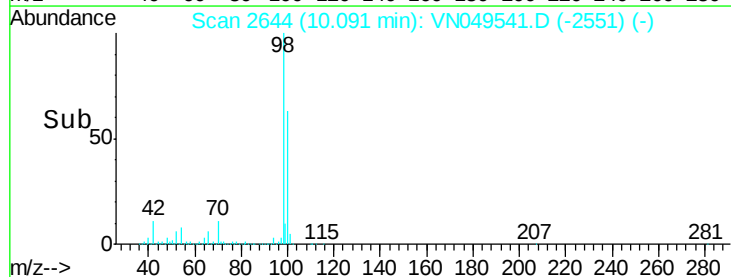
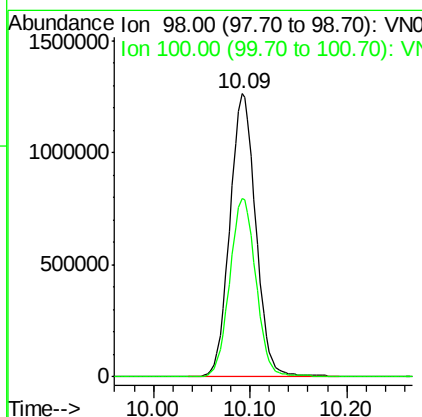
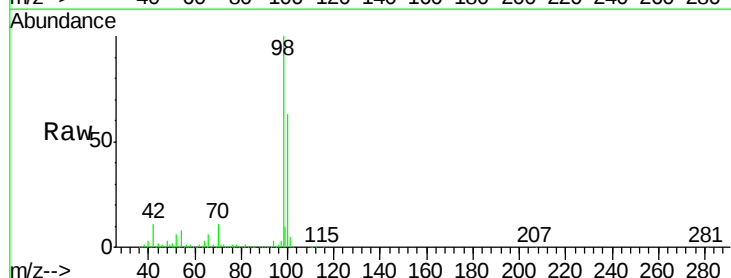
Instrument :
MSVOA_N
ClientSampleId :
RO-9-13

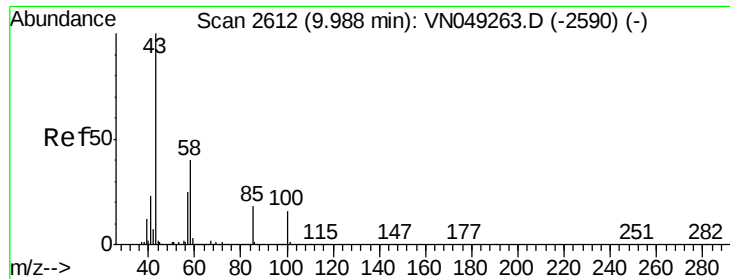
Tot Ion: 88 Resp: 200
Ion Ratio Lower Upper
88 100
43 0.0 30.9 46.3#
58 65.0 58.9 88.3



#50
Toluene-d8
Concen: 44.22 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049541.D
Acq: 26 Jun 2018 5:11

Tgt Ion: 98 Resp: 2356248
Ion Ratio Lower Upper
98 100
100 63.8 49.8 74.8





#51

4-Methyl-2-Pentanone

Concen: 0.29 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049541.D

Acq: 26 Jun 2018 5:11

Instrument :

MSVOA_N

ClientSampled :

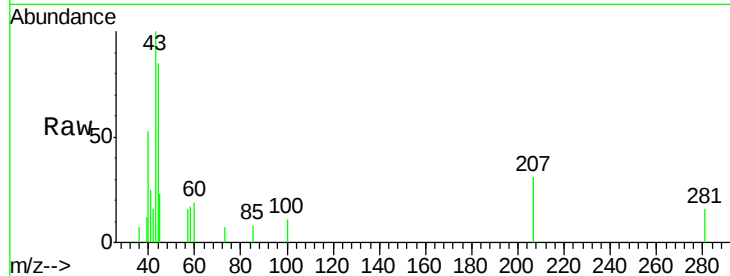
RO-9-13

Tot Ion: 43 Resp: 3161

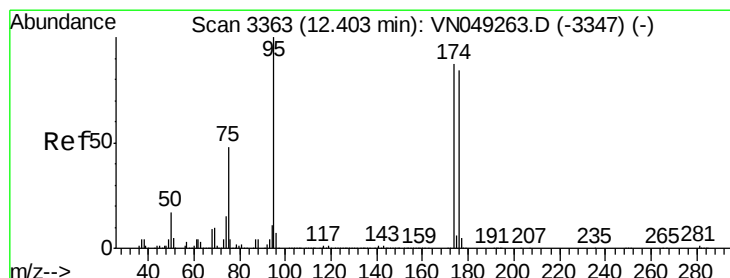
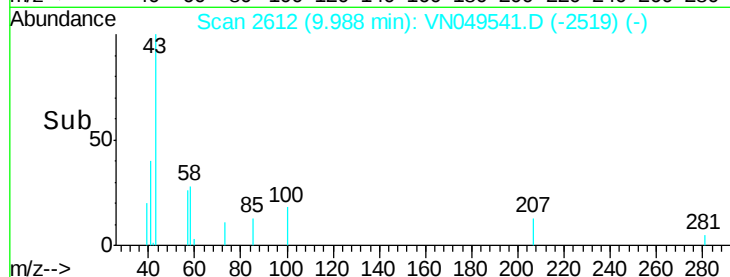
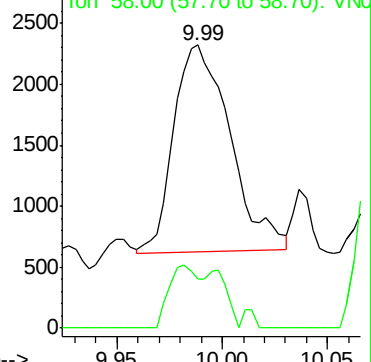
Ion Ratio Lower Upper

43 100

58 0.0 29.0 43.6#



Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-2590) (-)



#62

4-Bromofluorobenzene

Concen: 33.86 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049541.D

Acq: 26 Jun 2018 5:11

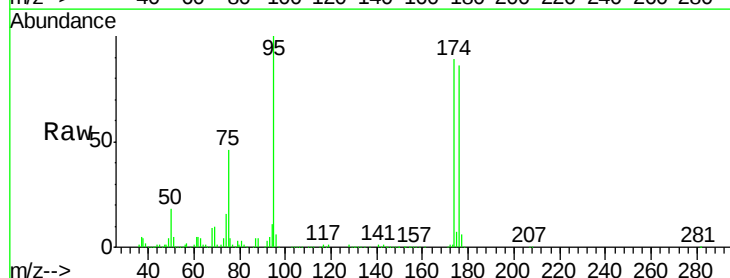
Tgt Ion: 95 Resp: 596473

Ion Ratio Lower Upper

95 100

174 90.9 0.0 165.6

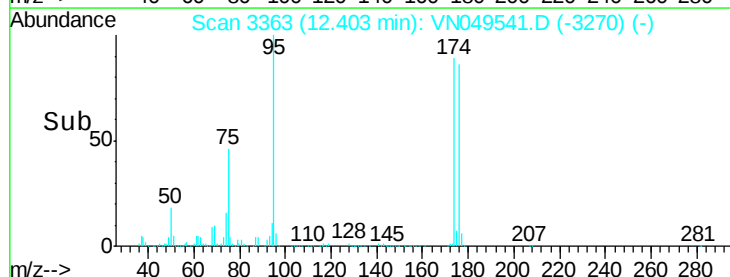
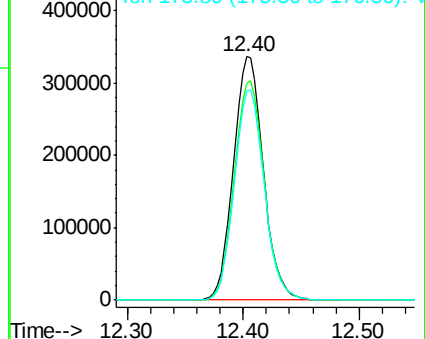
176 86.7 0.0 157.4

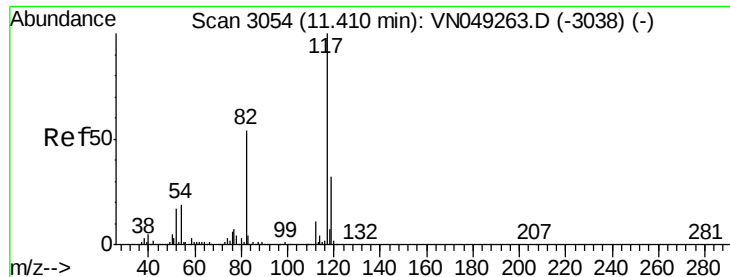


Abundance Ion 94.90 (94.60 to 95.60): VN049263.D (-3347) (-)

Ion 173.80 (173.50 to 174.50): VN049263.D (-3347) (-)

Ion 175.80 (175.50 to 176.50): VN049263.D (-3347) (-)





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049541.D

Acq: 26 Jun 2018 5:11

Instrument :

MSVOA_N

ClientSampled :

RO-9-13

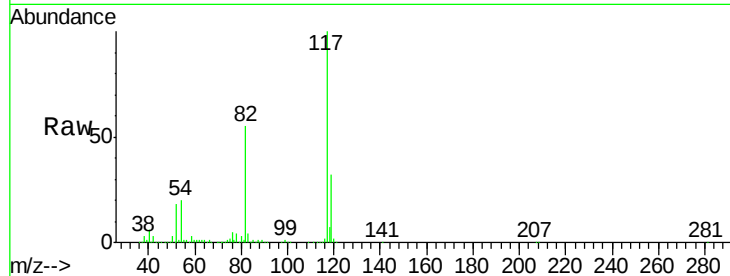
Tot Ion:117 Resp: 1413114

Ion Ratio Lower Upper

117 100

82 54.8 45.9 68.9

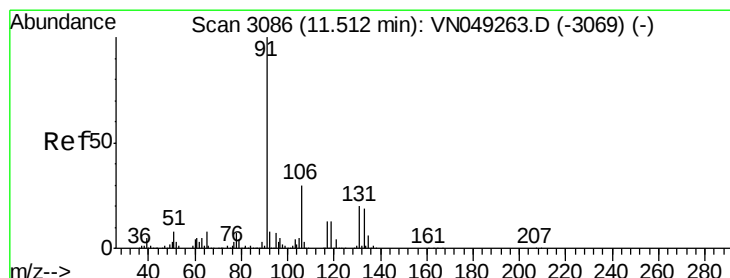
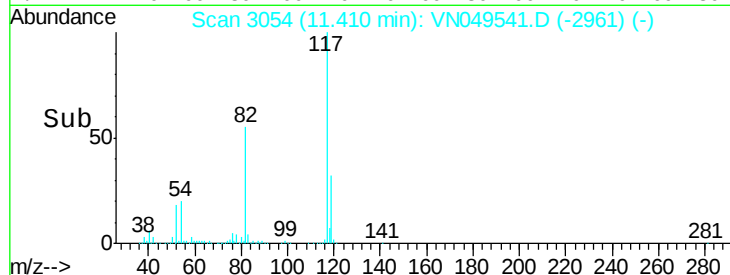
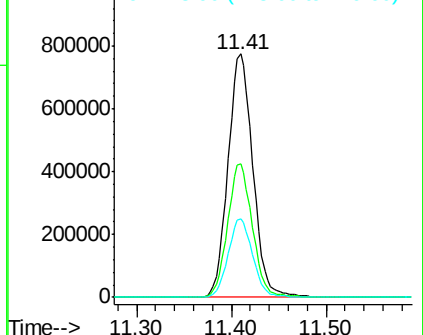
119 32.4 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 0.34 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049541.D

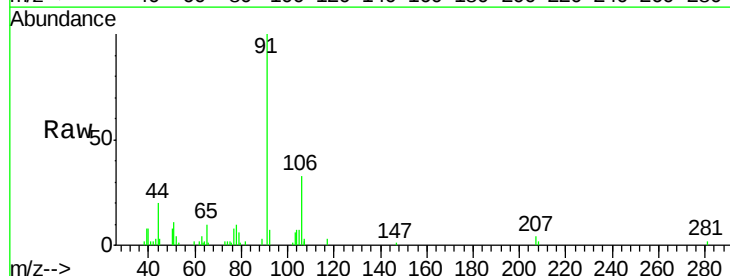
Acq: 26 Jun 2018 5:11

Tgt Ion: 91 Resp: 20315

Ion Ratio Lower Upper

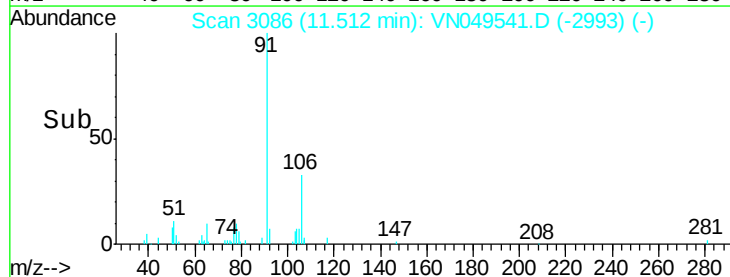
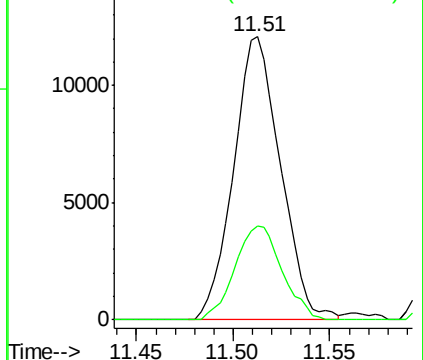
91 100

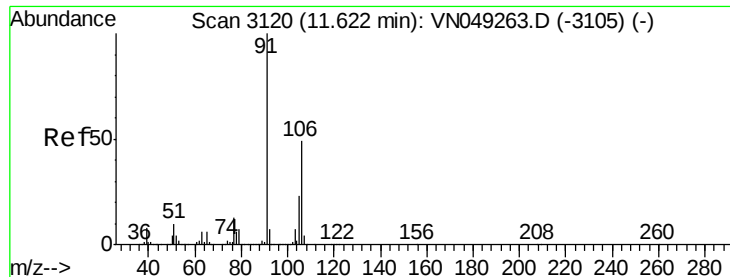
106 33.4 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 0.38 ug/l

RT: 11.62 min Scan# 3119

Delta R.T. -0.00 min

Lab File: VN049541.D

Acq: 26 Jun 2018 5:11

Instrument :

MSVOA_N

ClientSampled :

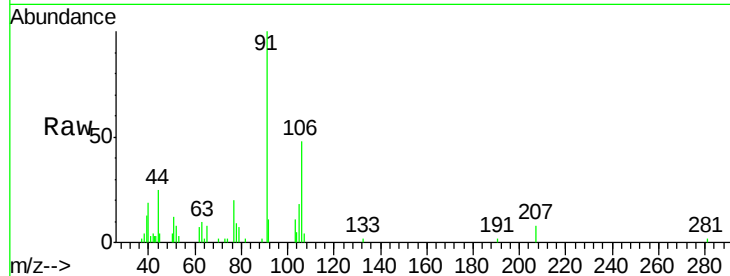
RO-9-13

Tot Ion:106 Resp: 8589

Ion Ratio Lower Upper

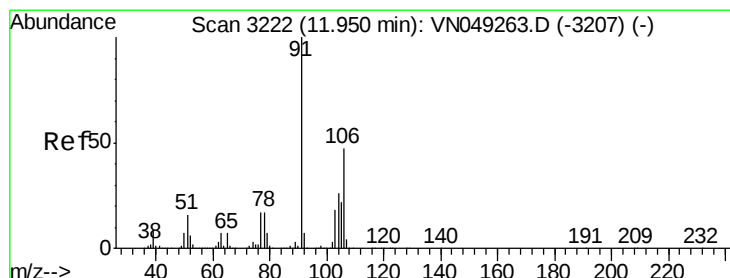
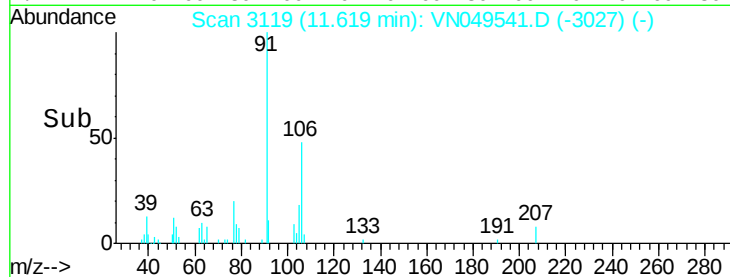
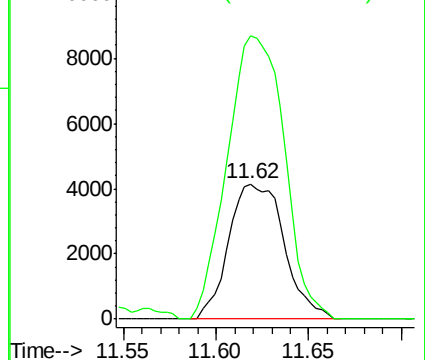
106 100

91 215.7 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#69

o-Xylene

Concen: 0.33 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN049541.D

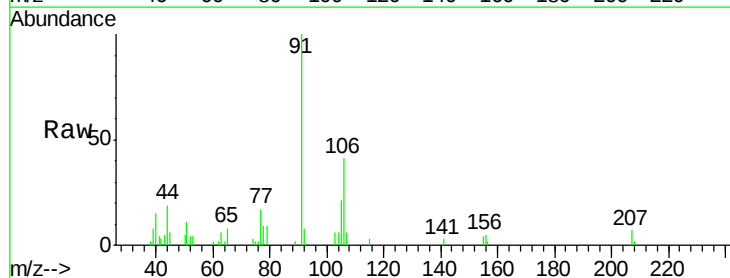
Acq: 26 Jun 2018 5:11

Tgt Ion:106 Resp: 7236

Ion Ratio Lower Upper

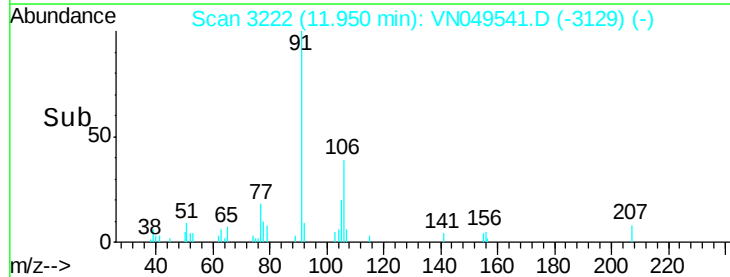
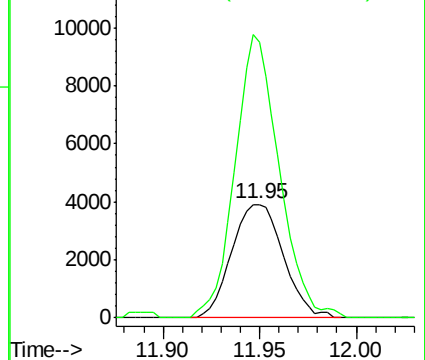
106 100

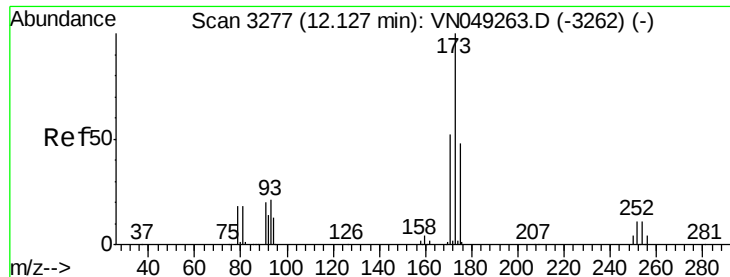
91 213.7 111.0 333.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





#71

Bromoform

Concen: 0.52 ug/l

RT: 12.41 min Scan# 3365

Delta R.T. 0.28 min

Lab File: VN049541.D

Acq: 26 Jun 2018 5:11

Instrument :

MSVOA_N

ClientSampleId :

RO-9-13

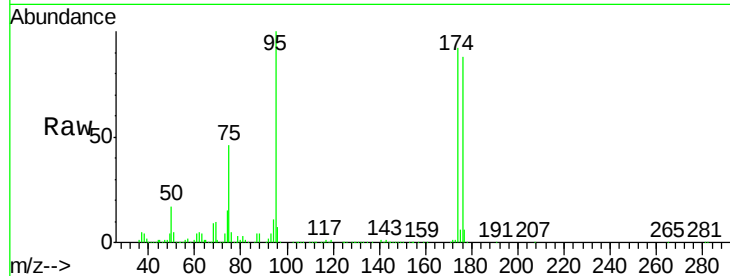
Tot Ion:173 Resp: 4638

Ion Ratio Lower Upper

173 100

175 666.1 24.5 73.5#

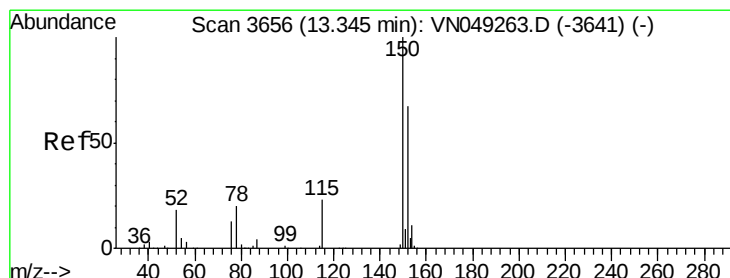
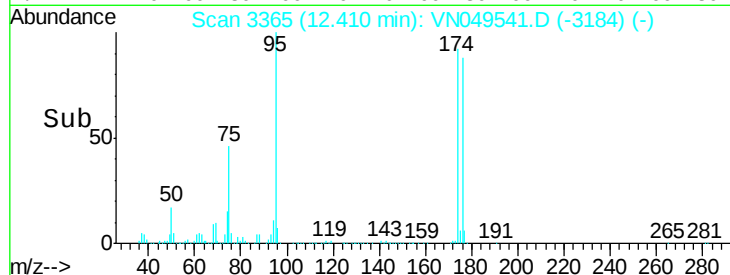
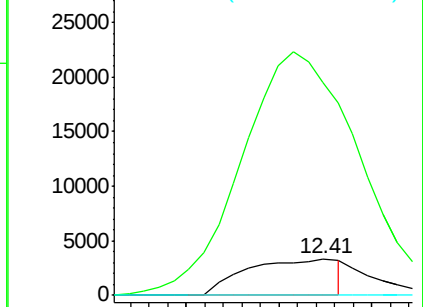
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049541.D

Acq: 26 Jun 2018 5:11

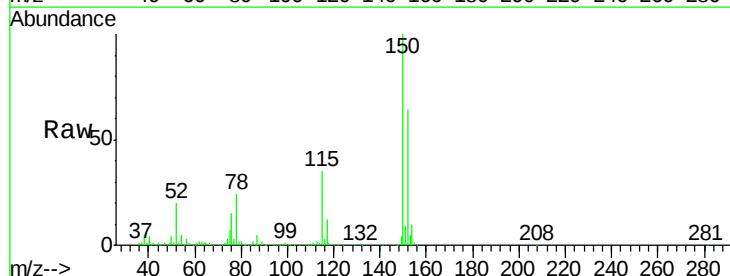
Tgt Ion:152 Resp: 406725

Ion Ratio Lower Upper

152 100

115 55.8 28.7 86.1

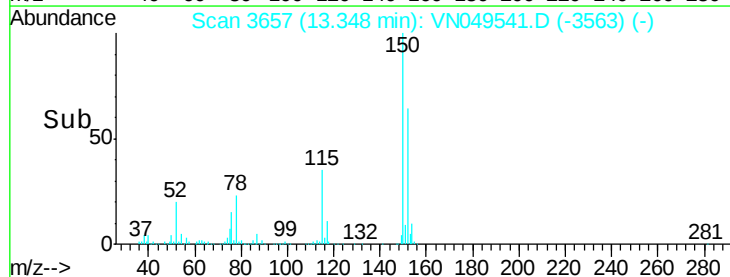
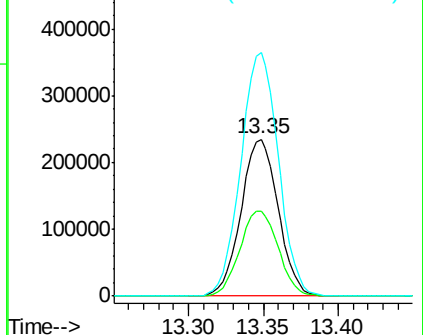
150 156.6 0.0 351.0

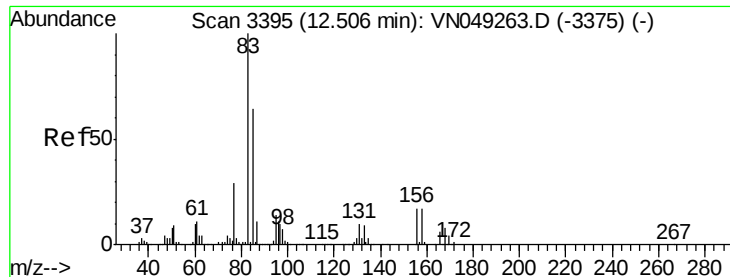


Abundance Ion 151.90 (151.60 to 152.60): V

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: 12.50 min Scan# 3393

Delta R.T. -0.01 min

Lab File: VN049541.D

Acq: 26 Jun 2018 5:11

Instrument :

MSVOA_N

ClientSampleId :

RO-9-13

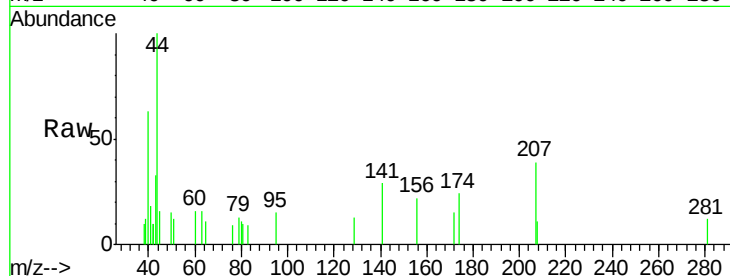
Tot Ion: 83 Resp: 63

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

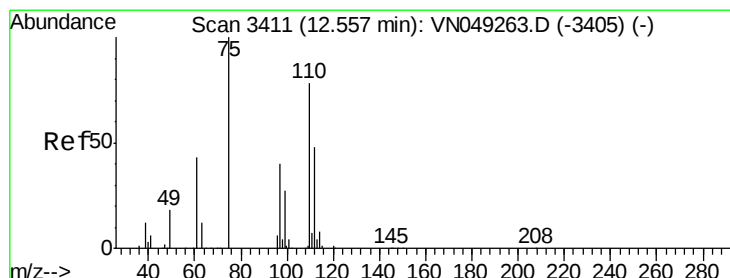
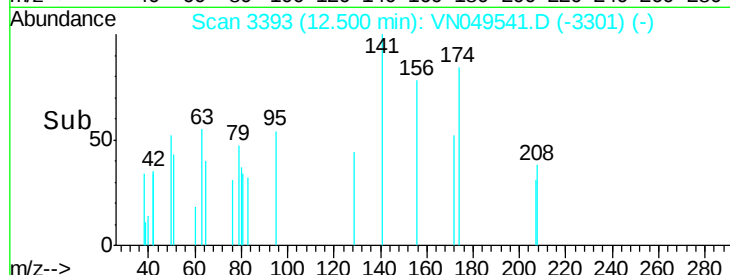
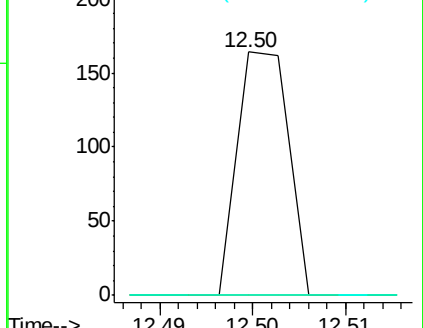
85 0.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 41.13 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049541.D

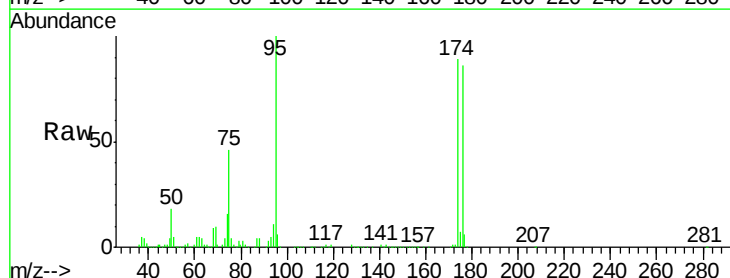
Acq: 26 Jun 2018 5:11

Tgt Ion: 75 Resp: 285421

Ion Ratio Lower Upper

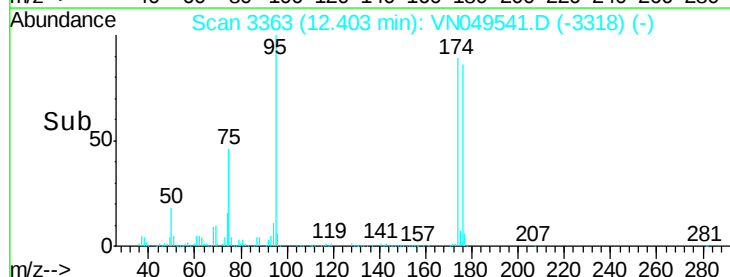
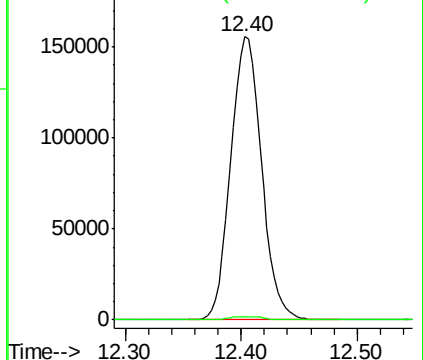
75 100

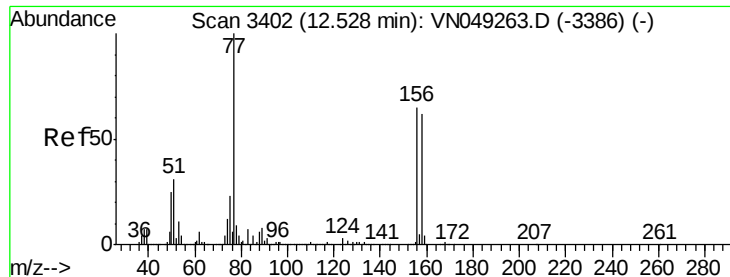
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 0.21 ug/l

RT: 12.52 min Scan# 3399

Delta R.T. -0.01 min

Lab File: VN049541.D

Acq: 26 Jun 2018 5:11

Instrument :

MSVOA_N

ClientSampled :

RO-9-13

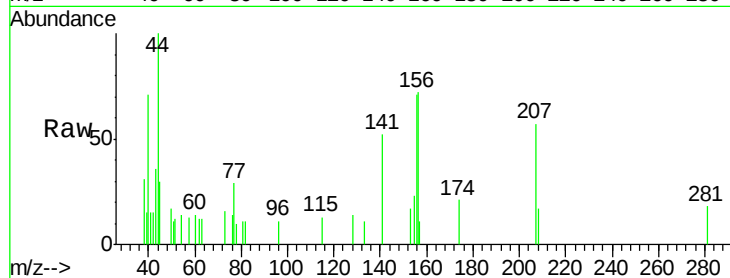
Tot Ion:156 Resp: 2005

Ion Ratio Lower Upper

156 100

77 50.3 100.8 302.4#

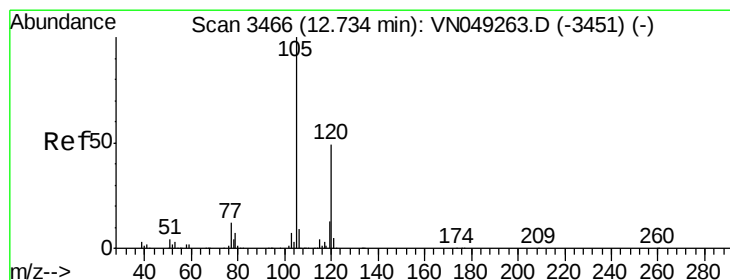
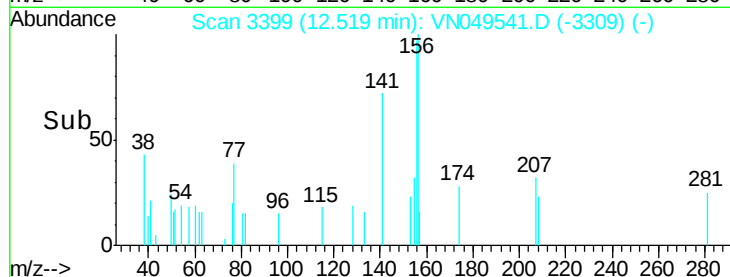
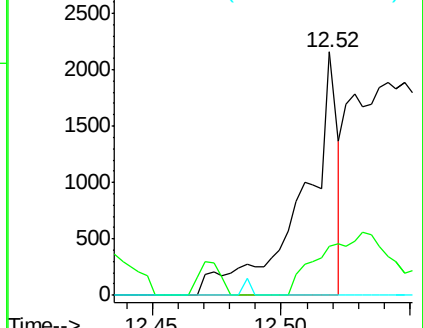
158 0.0 49.3 147.9#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#80

1,3,5-Trimethylbenzene

Concen: 0.37 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. -0.00 min

Lab File: VN049541.D

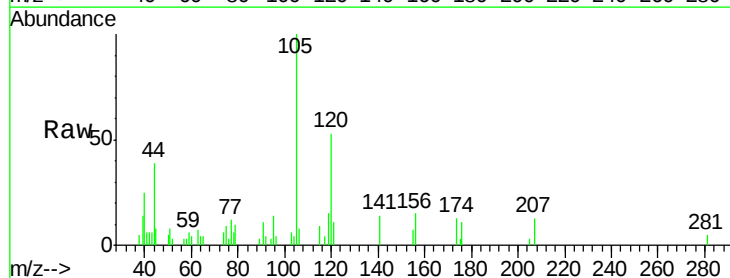
Acq: 26 Jun 2018 5:11

Tgt Ion:105 Resp: 10428

Ion Ratio Lower Upper

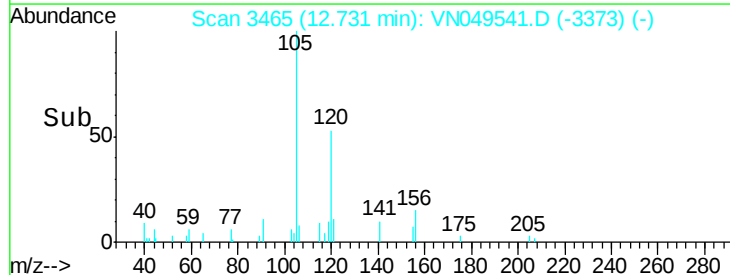
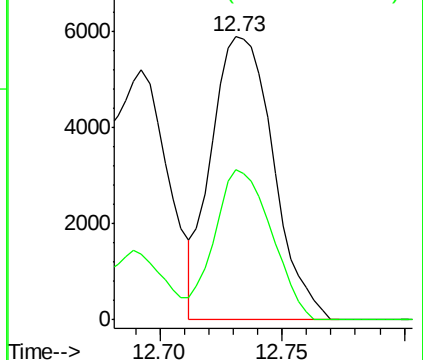
105 100

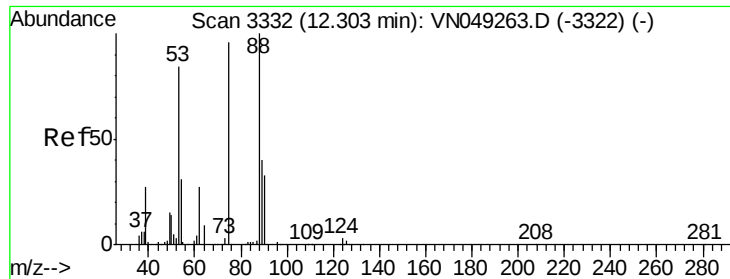
120 48.6 23.5 70.5



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: 129.99 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049541.D

Acq: 26 Jun 2018 5:11

Instrument :

MSVOA_N

ClientSampled :

RO-9-13

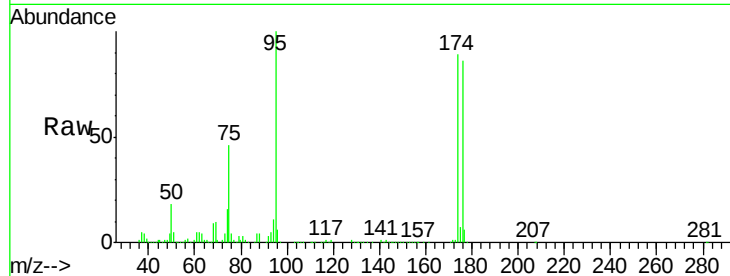
Tot Ion: 75 Resp: 285421

Ion Ratio Lower Upper

75 100

53 0.3 82.7 124.1#

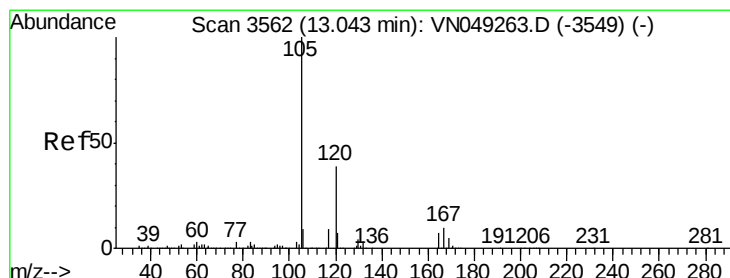
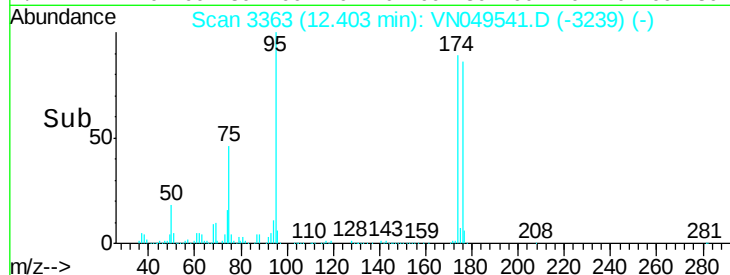
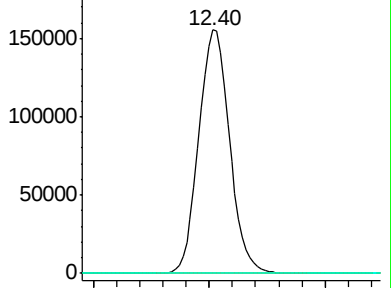
89 0.0 36.5 54.7#



Abundance Ion 74.90 (74.60 to 75.60): VN049541.D (-3363) (-)

Ion 53.00 (52.70 to 53.70): VN049541.D (-3363) (-)

Ion 88.90 (88.60 to 89.60): VN049541.D (-3363) (-)



#84

1,2,4-Trimethylbenzene

Concen: 1.10 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049541.D

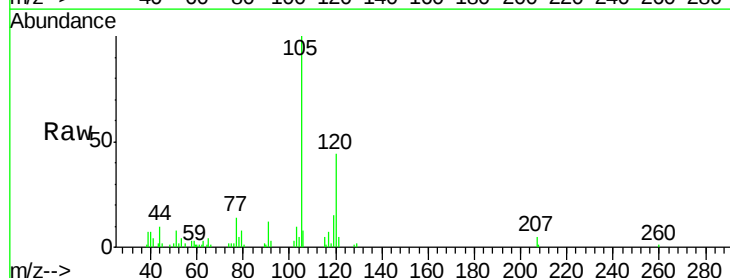
Acq: 26 Jun 2018 5:11

Tgt Ion: 105 Resp: 30636

Ion Ratio Lower Upper

105 100

120 44.8 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): VN049541.D (-3562) (-)

Ion 120.00 (119.70 to 120.70): VN049541.D (-3562) (-)

Ion 136.00 (135.70 to 136.70): VN049541.D (-3562) (-)

Ion 167.00 (166.70 to 167.70): VN049541.D (-3562) (-)

Ion 191.00 (190.70 to 191.70): VN049541.D (-3562) (-)

Ion 206.00 (205.70 to 206.70): VN049541.D (-3562) (-)

Ion 231.00 (230.70 to 231.70): VN049541.D (-3562) (-)

Ion 260.00 (259.70 to 260.70): VN049541.D (-3562) (-)

Ion 281.00 (280.70 to 281.70): VN049541.D (-3562) (-)

Ion 306.00 (305.70 to 306.70): VN049541.D (-3562) (-)

Ion 327.00 (326.70 to 327.70): VN049541.D (-3562) (-)

Ion 358.00 (357.70 to 358.70): VN049541.D (-3562) (-)

Ion 389.00 (388.70 to 389.70): VN049541.D (-3562) (-)

Ion 410.00 (409.70 to 410.70): VN049541.D (-3562) (-)

Ion 441.00 (440.70 to 441.70): VN049541.D (-3562) (-)

Ion 472.00 (471.70 to 472.70): VN049541.D (-3562) (-)

Ion 503.00 (502.70 to 503.70): VN049541.D (-3562) (-)

Ion 534.00 (533.70 to 534.70): VN049541.D (-3562) (-)

Ion 565.00 (564.70 to 565.70): VN049541.D (-3562) (-)

Ion 596.00 (595.70 to 596.70): VN049541.D (-3562) (-)

Ion 627.00 (626.70 to 627.70): VN049541.D (-3562) (-)

Ion 658.00 (657.70 to 658.70): VN049541.D (-3562) (-)

Ion 689.00 (688.70 to 689.70): VN049541.D (-3562) (-)

Ion 720.00 (719.70 to 720.70): VN049541.D (-3562) (-)

Ion 751.00 (750.70 to 751.70): VN049541.D (-3562) (-)

Ion 782.00 (781.70 to 782.70): VN049541.D (-3562) (-)

Ion 813.00 (812.70 to 813.70): VN049541.D (-3562) (-)

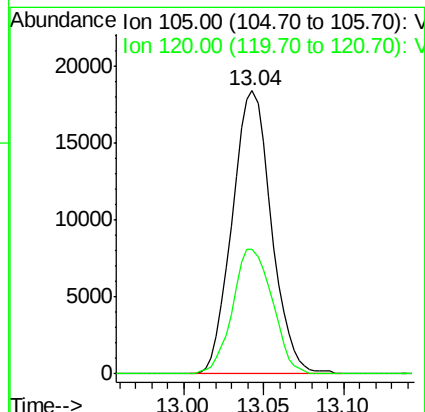
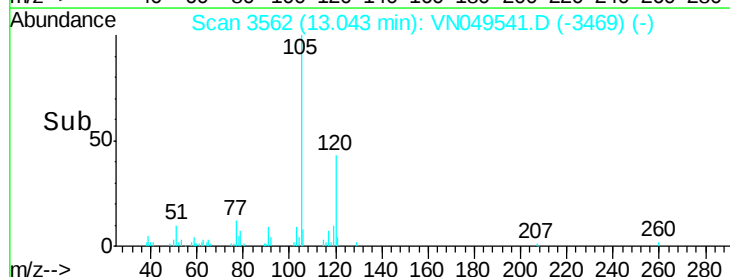
Ion 844.00 (843.70 to 844.70): VN049541.D (-3562) (-)

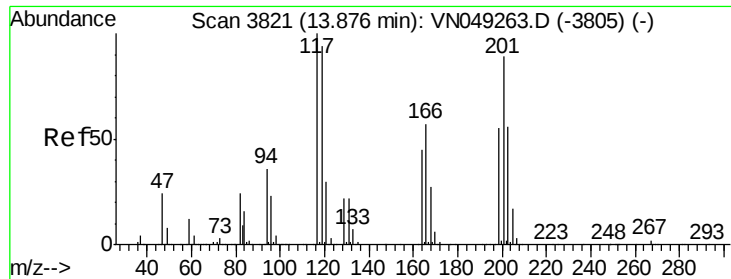
Ion 875.00 (874.70 to 875.70): VN049541.D (-3562) (-)

Ion 906.00 (905.70 to 906.70): VN049541.D (-3562) (-)

Ion 937.00 (936.70 to 937.70): VN049541.D (-3562) (-)

Ion 968.00 (967.70 to 968.70): VN049541.D (-3562) (-)





#90

Hexachloroethane

Concen: Below Cal

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN049541.D

Acq: 26 Jun 2018 5:11

Instrument :

MSVOA_N

ClientSampled :

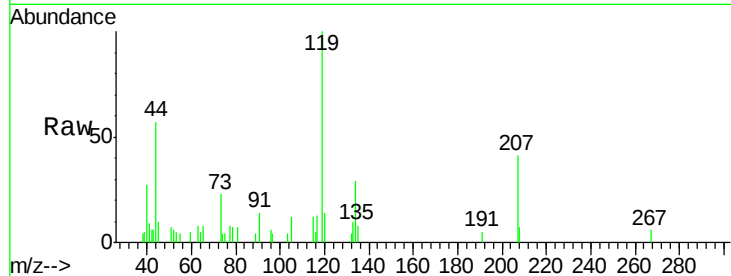
RO-9-13

Tot Ion:117 Resp: 842

Ion Ratio Lower Upper

117 100

201 0.0 40.1 120.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.89

500

400

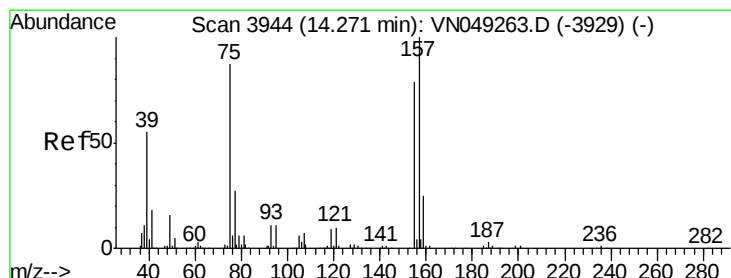
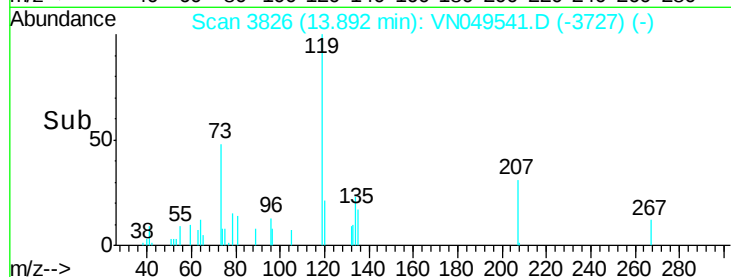
300

200

100

0

Time--> 13.85 13.90



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.20 ug/l

RT: 14.26 min Scan# 3941

Delta R.T. -0.01 min

Lab File: VN049541.D

Acq: 26 Jun 2018 5:11

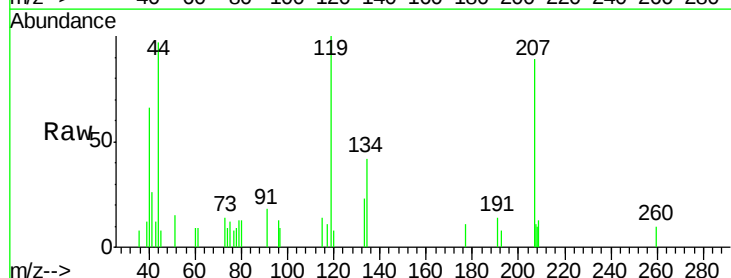
Tgt Ion: 75 Resp: 250

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): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

14.26

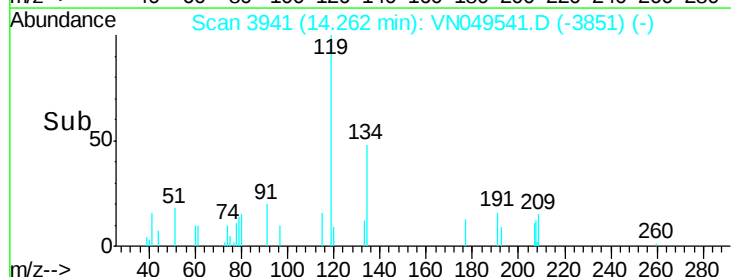
300

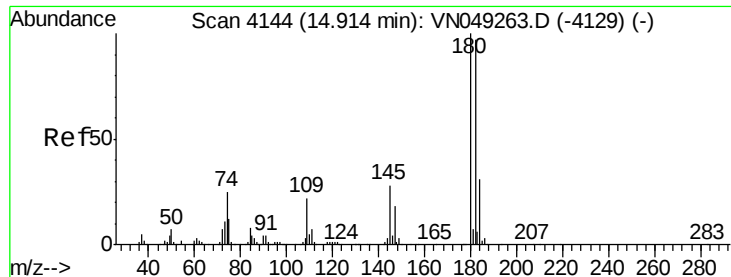
200

100

0

Time--> 14.24 14.26 14.28

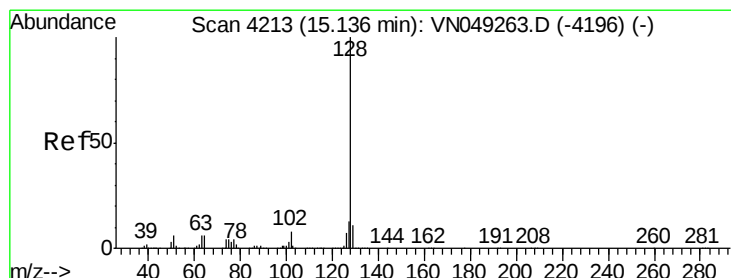
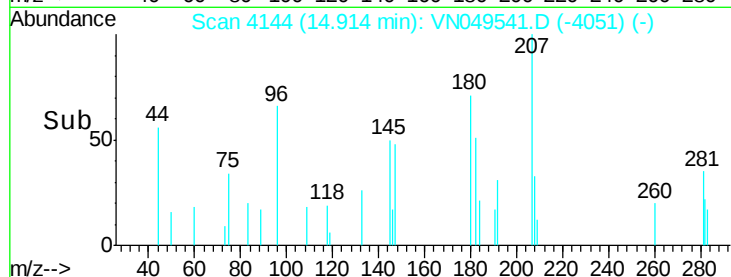
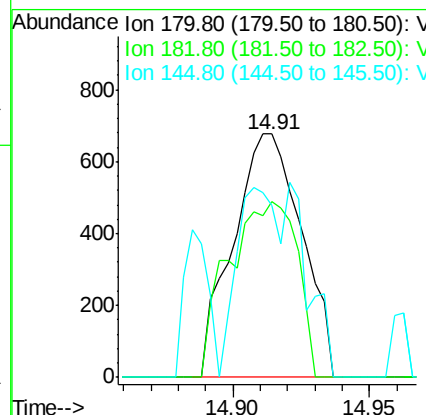
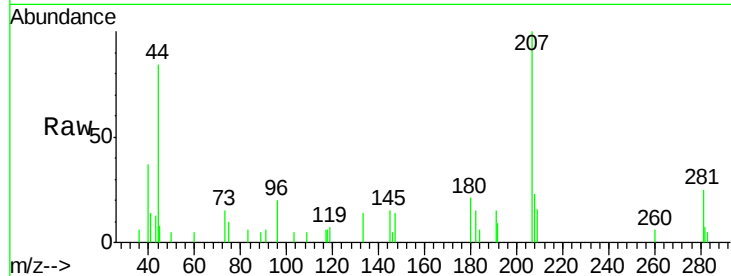




#93
 1,2,4-Trichlorobenzene
 Concen: 4.90 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049541.D
 Acq: 26 Jun 2018 5:11

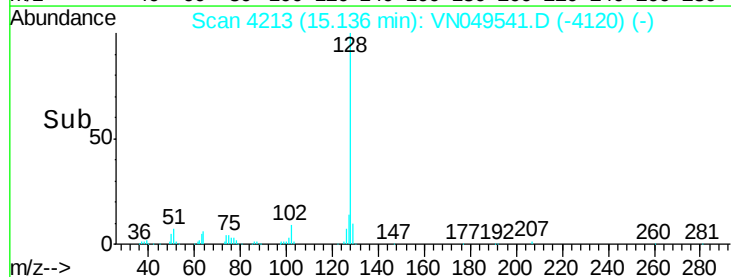
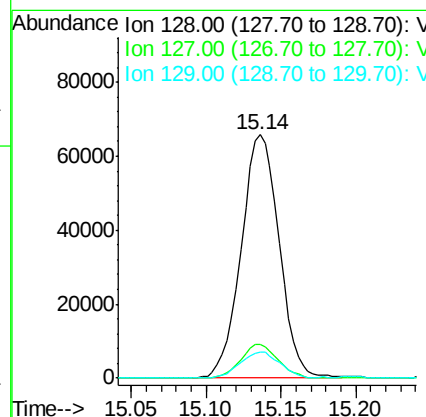
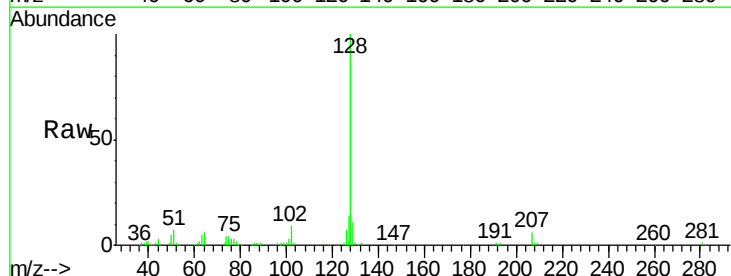
Instrument :
 MSVOA_N
 ClientSampled :
 RO-9-13

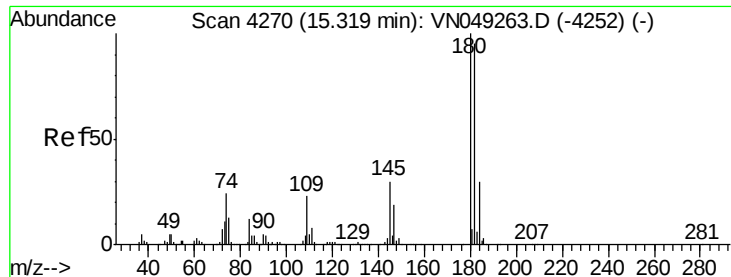
Tot Ion:180 Resp: 1178
 Ion Ratio Lower Upper
 180 100
 182 72.6 46.9 140.8
 145 47.9 14.7 44.1#



#95
 Naphthalene
 Concen: 12.10 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN049541.D
 Acq: 26 Jun 2018 5:11

Tgt Ion:128 Resp: 116283
 Ion Ratio Lower Upper
 128 100
 127 13.6 10.6 16.0
 129 10.8 8.5 12.7





#96

1,2,3-Trichlorobenzene

Concen: 3.48 ug/l

RT: 15.31 min Scan# 4268

Delta R.T. -0.01 min

Lab File: VN049541.D

Acq: 26 Jun 2018 5:11

Instrument :

MSVOA_N

ClientSampleId :

RO-9-13

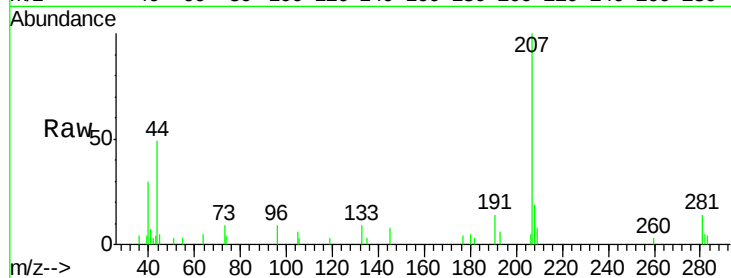
Tot Ion:180 Resp: 172

Ion Ratio Lower Upper

180 100

182 103.5 47.3 141.8

145 210.5 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

