

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062518\
 Data File : VN049540.D
 Acq On : 26 Jun 2018 4:45
 Operator : MD\SY
 Sample : J3676-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RO-5-8

Quant Time: Jun 26 06:33:26 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	1147769	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1794996	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1501031	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	545298	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	760434	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
35) Dibromofluoromethane	7.59	113	682041	46.97	ug/l	0.00
Spiked Amount			Recovery	=	93.94%	
50) Toluene-d8	10.09	98	2454756	44.39	ug/l	0.00
Spiked Amount			Recovery	=	88.78%	
62) 4-Bromofluorobenzene	12.40	95	675645	36.95	ug/l	0.00
Spiked Amount			Recovery	=	73.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.58	94	3574	0.37	ug/l	88
8) Diethyl Ether	3.41	74	3810	0.48	ug/l	94
13) Acrolein	3.62	56	343	0.37	ug/l #	21
14) Allyl chloride	4.55	41	223649	10.76	ug/l #	20
16) Acetone	3.82	43	36166	9.78	ug/l #	79
18) Methyl Acetate	4.33	43	76106	6.75	ug/l	96
20) Methylene Chloride	4.55	84	6487469	420.24	ug/l	91
25) 2-Butanone	6.84	43	3295	0.66	ug/l #	90
29) Tetrahydrofuran	7.22	42	1167	0.37	ug/l #	48
30) Chloroform	7.37	83	16625	0.63	ug/l	98
31) Cyclohexane	7.66	56	23876	0.89	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	81447	3.96	ug/l #	45
38) Carbon Tetrachloride	7.67	117	102607	4.82	ug/l #	18
40) Benzene	8.04	78	18557	0.29	ug/l	96
43) Isopropyl Acetate	8.25	43	240187	11.24	ug/l #	64
44) Trichloroethene	8.84	130	7666	0.46	ug/l	84
47) Bromodichloromethane	9.41	83	6161	0.29	ug/l	88
49) 1,4-Dioxane	9.19	88	98	0.71	ug/l #	21
51) 4-Methyl-2-Pentanone	9.99	43	3342	0.30	ug/l #	84
52) Toluene	10.16	92	79779	2.16	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.67	63	61	14.34	ug/l #	51
64) Tetrachloroethene	10.63	164	5166	0.34	ug/l #	83
65) Chlorobenzene	11.44	112	8358	0.22	ug/l #	83
67) Ethyl Benzene	11.51	91	125196	1.95	ug/l	100
68) m/p-Xylenes	11.62	106	100710	4.18	ug/l	94
69) o-Xylene	11.95	106	44264	1.91	ug/l	99
70) Styrene	11.96	104	41345	1.13	ug/l	93
73) Isopropylbenzene	12.25	105	21215	0.44	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	31	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	332827	35.77	ug/l #	100
78) n-propylbenzene	12.59	91	37994	0.72	ug/l	97
79) 2-Chlorotoluene	12.66	91	14649	0.44	ug/l #	56
80) 1,3,5-Trimethylbenzene	12.73	105	67985	1.81	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.40	75	332827	113.06	ug/l #	8

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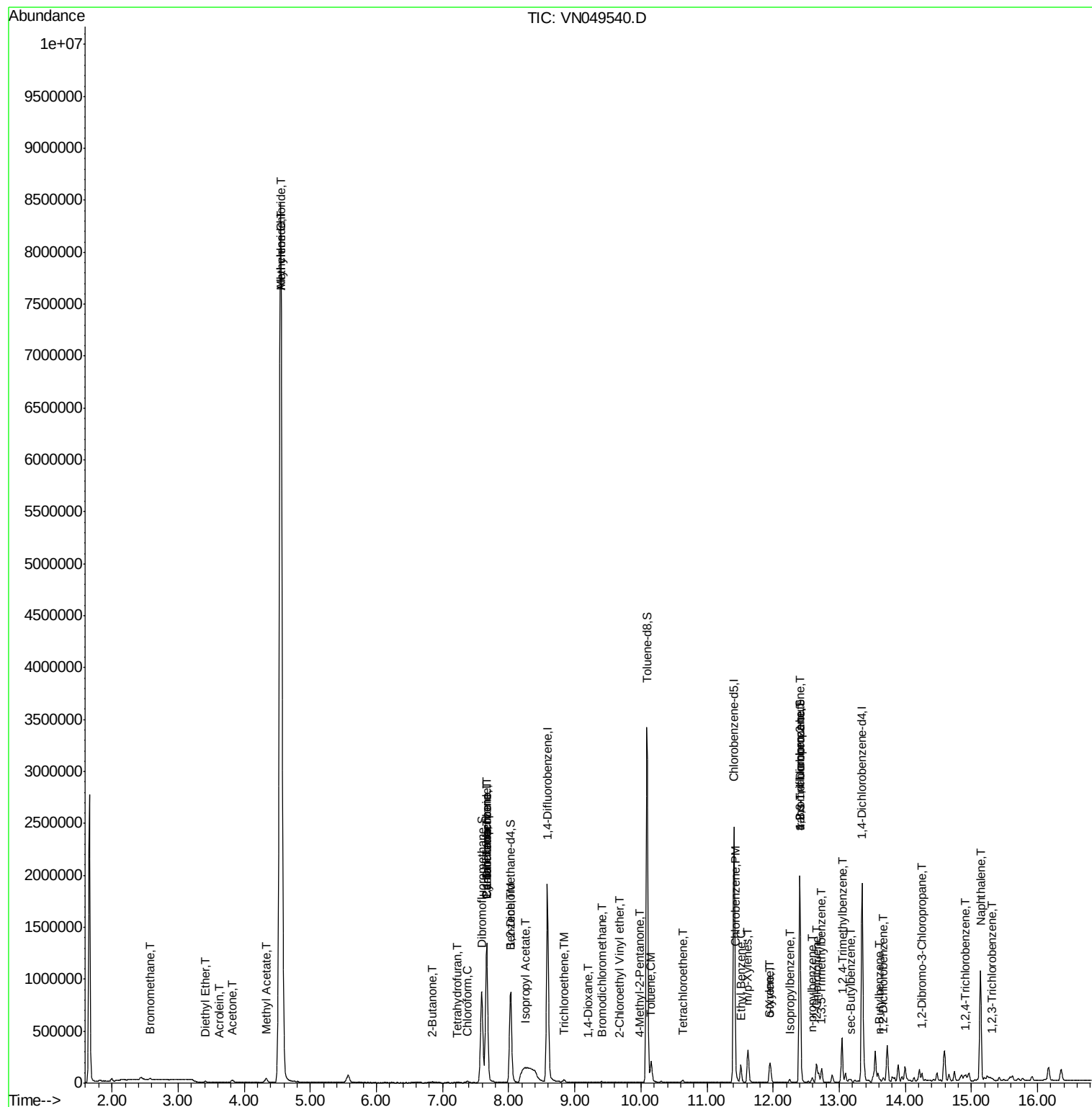
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	13.04	105	239036	6.39	ug/l	98
85) sec-Butylbenzene	13.17	105	17258	0.39	ug/l	81
89) n-Butylbenzene	13.62	91	10679	0.37	ug/l #	80
90) Hexachloroethane	13.89	117	9124	Below Cal	#	9
91) 1,2-Dichlorobenzene	13.65	146	5737	0.28	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.26	75	832	0.50	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.91	180	13938	6.09	ug/l #	77
95) Naphthalene	15.14	128	926970	54.94	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	4342	3.90	ug/l #	79

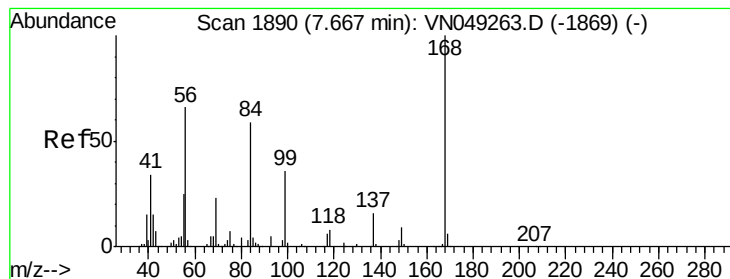
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN049540.D

Acq: 26 Jun 2018 4:45

Instrument :

MSVOA_N

ClientSampled :

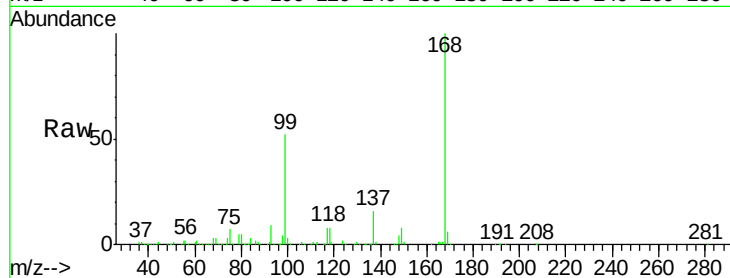
RO-5-8

Tot Ion:168 Resp: 1147769

Ion Ratio Lower Upper

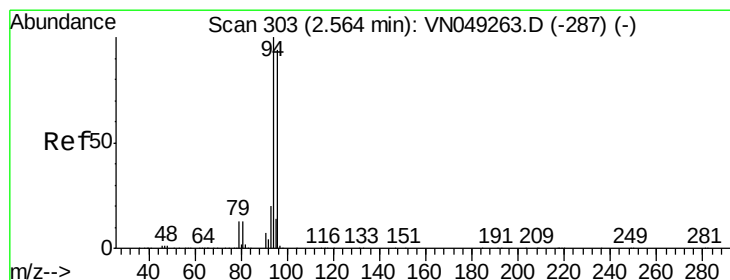
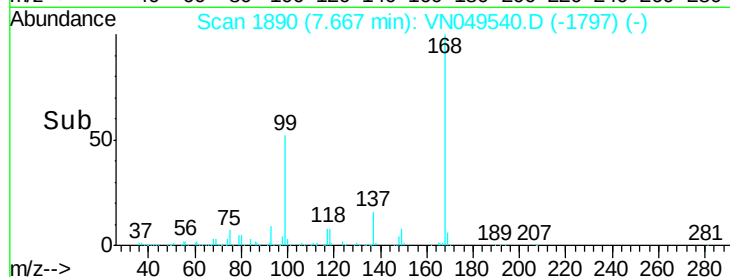
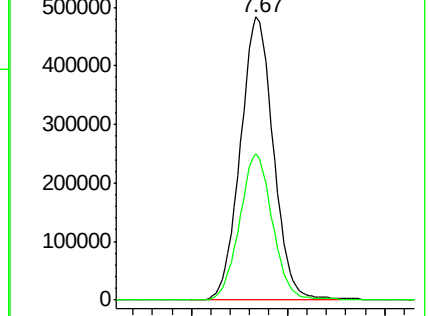
168 100

99 51.6 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#5

Bromomethane

Concen: 0.37 ug/l

RT: 2.58 min Scan# 308

Delta R.T. 0.02 min

Lab File: VN049540.D

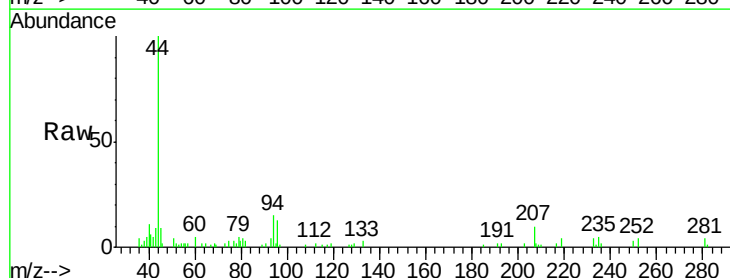
Acq: 26 Jun 2018 4:45

Tgt Ion: 94 Resp: 3574

Ion Ratio Lower Upper

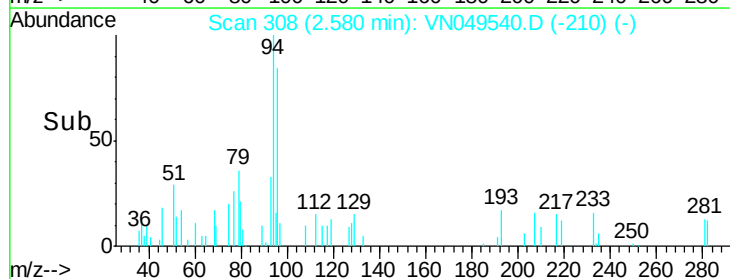
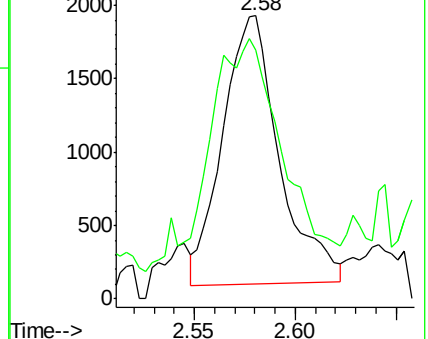
94 100

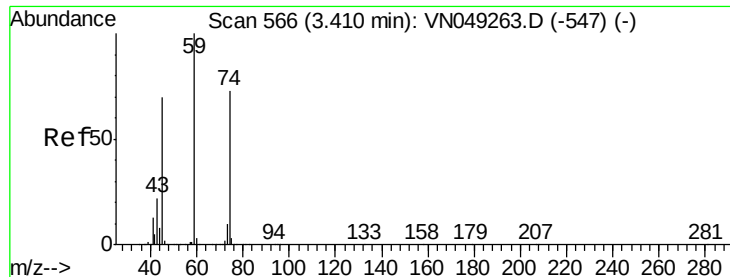
96 79.3 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0





#8

Diethyl Ether

Concen: 0.48 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN049540.D

Acq: 26 Jun 2018 4:45

Instrument :

MSVOA_N

ClientSampled :

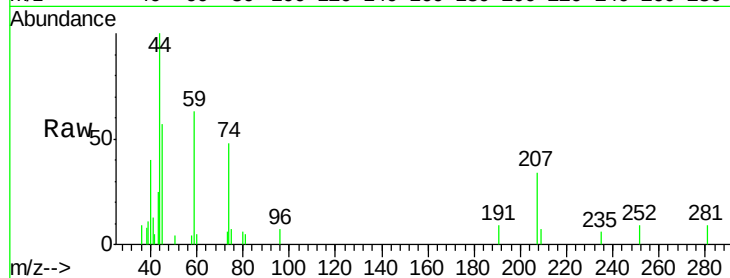
RO-5-8

Tot Ion: 74 Resp: 3810

Ion Ratio Lower Upper

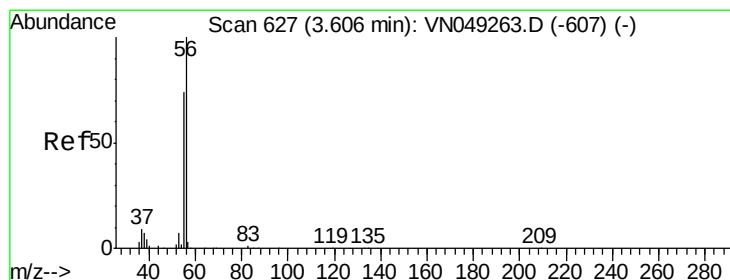
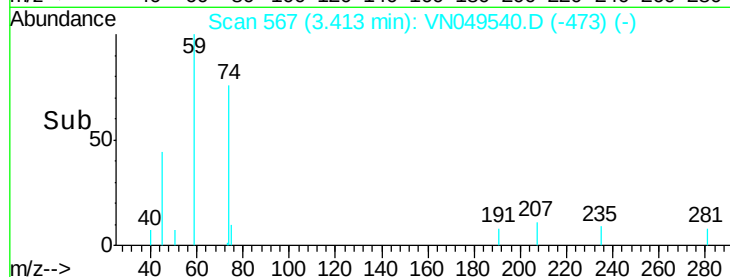
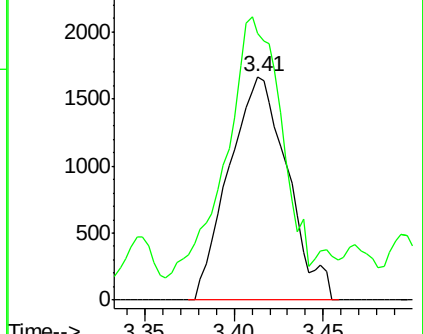
74 100

45 109.8 51.9 155.8



Abundance Ion 74.00 (73.70 to 74.70): VN049540.D (-547) (-)

Ion 45.00 (44.70 to 45.70): VN049540.D (-547) (-)



#13

Acrolein

Concen: 0.37 ug/l

RT: 3.62 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN049540.D

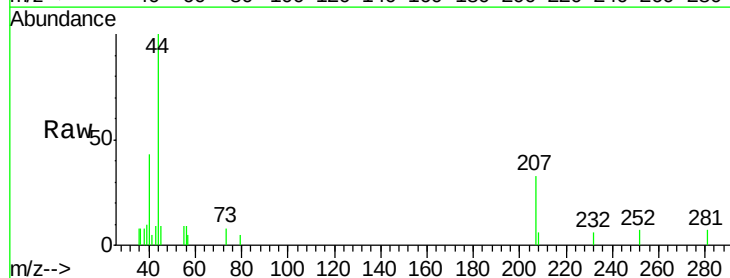
Acq: 26 Jun 2018 4:45

Tgt Ion: 56 Resp: 343

Ion Ratio Lower Upper

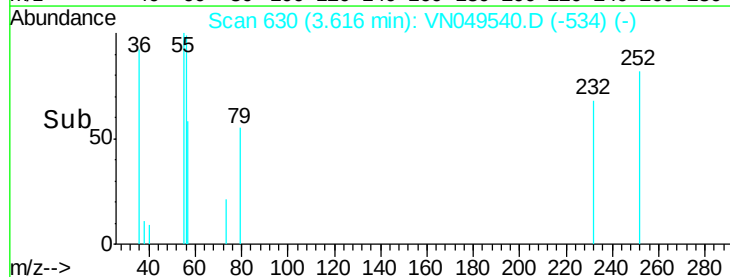
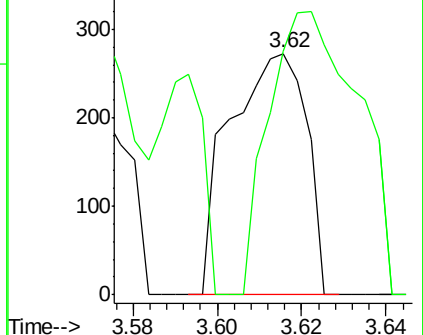
56 100

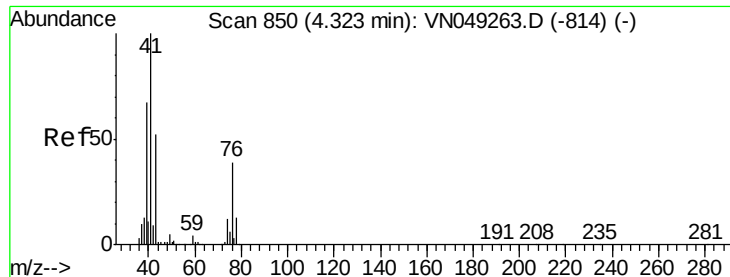
55 137.3 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VN049540.D (-534) (-)

Ion 55.00 (54.70 to 55.70): VN049540.D (-534) (-)





#14

Allvl chloride

Concen: 10.76 ug/l

RT: 4.55 min Scan# 921

Delta R.T. 0.23 min

Lab File: VN049540.D

Acq: 26 Jun 2018 4:45

Instrument :

MSVOA_N

ClientSampleId :

RO-5-8

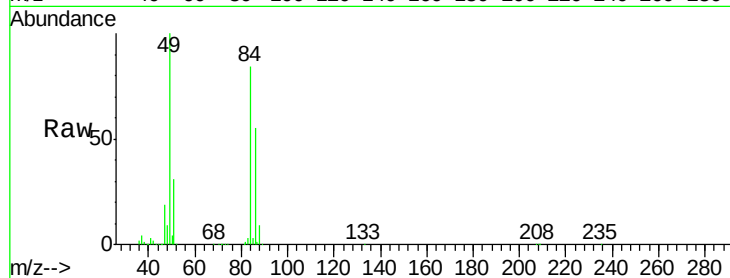
Tot Ion: 41 Resp: 223649

Ion Ratio Lower Upper

41 100

39 1.0 62.5 93.7#

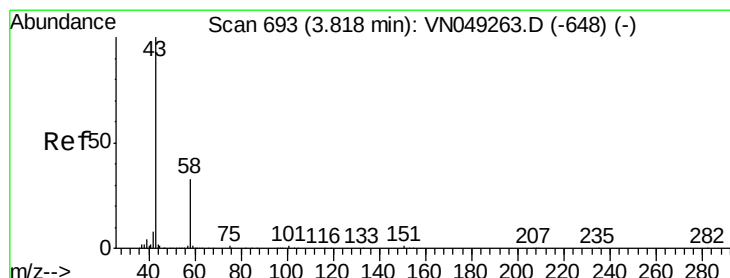
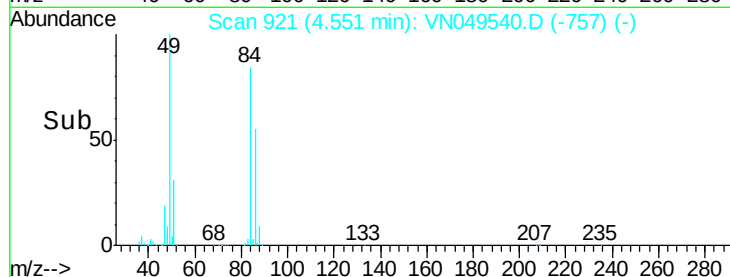
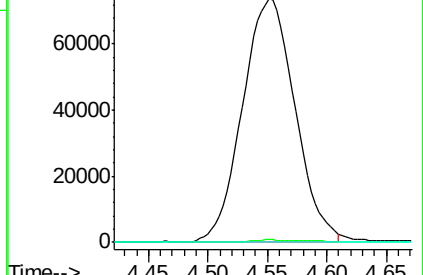
76 0.0 27.1 40.7#



Abundance Ion 41.00 (40.70 to 41.70): VN049540.D (-921) (-)

Ion 39.00 (38.70 to 39.70): VN049540.D (-921) (-)

Ion 75.90 (75.60 to 76.60): VN049540.D (-921) (-)



#16

Acetone

Concen: 9.78 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN049540.D

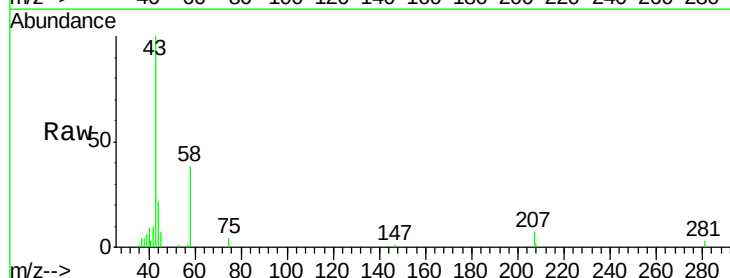
Acq: 26 Jun 2018 4:45

Tgt Ion: 43 Resp: 36166

Ion Ratio Lower Upper

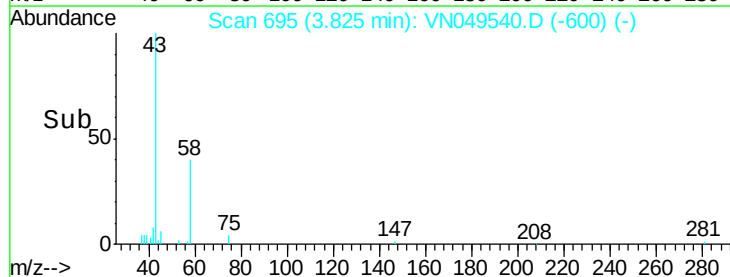
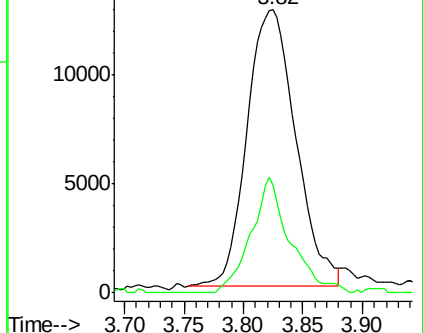
43 100

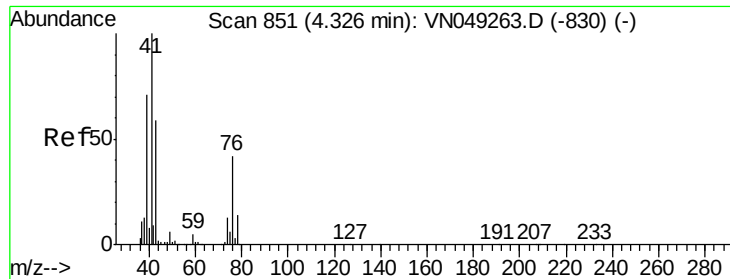
58 39.2 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VN049540.D (-695) (-)

Ion 58.00 (57.70 to 58.70): VN049540.D (-695) (-)

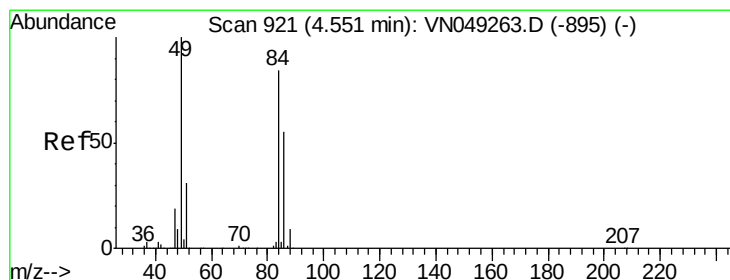
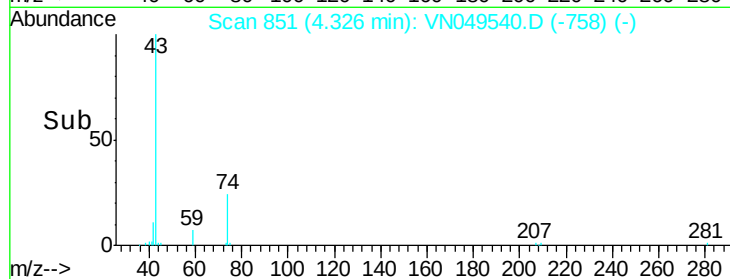
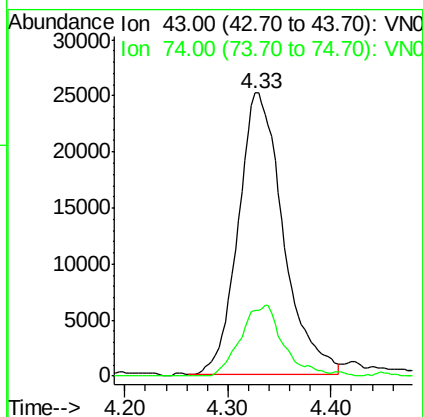
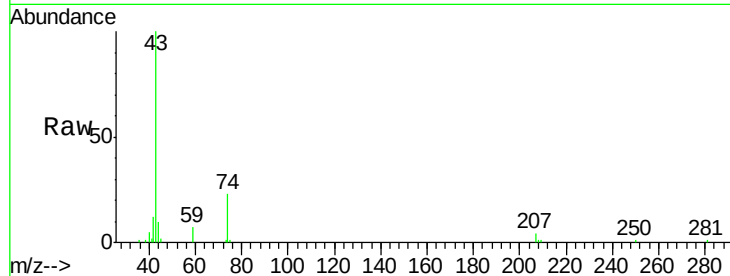




#18
Methvl Acetate
Concen: 6.75 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN049540.D
Acq: 26 Jun 2018 4:45

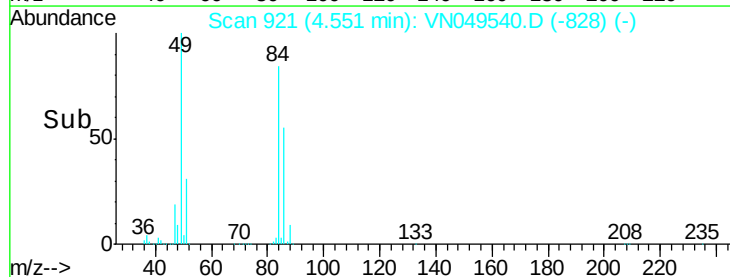
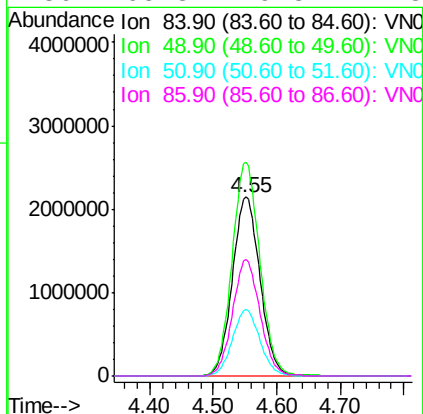
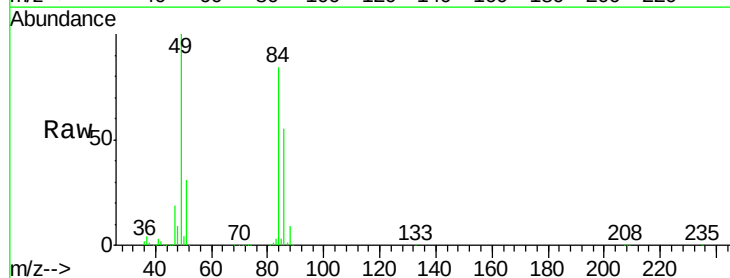
Instrument :
MSVOA_N
ClientSampled :
RO-5-8

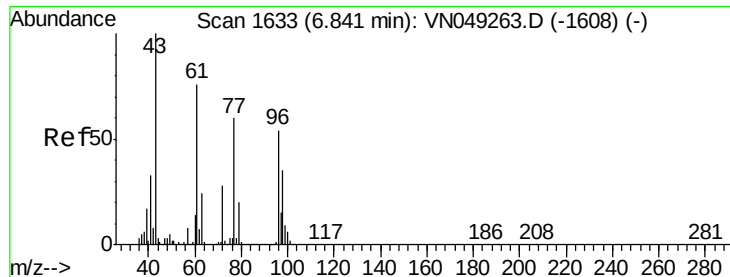
Tot Ion: 43 Resp: 76106
Ion Ratio Lower Upper
43 100
74 23.6 17.4 26.0



#20
Methylene Chloride
Concen: 420.24 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049540.D
Acq: 26 Jun 2018 4:45

Tgt Ion: 84 Resp: 6487469
Ion Ratio Lower Upper
84 100
49 119.2 106.9 160.3
51 37.1 32.7 49.1
86 65.3 49.8 74.8

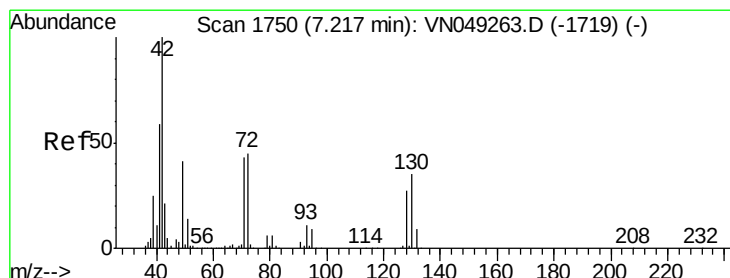
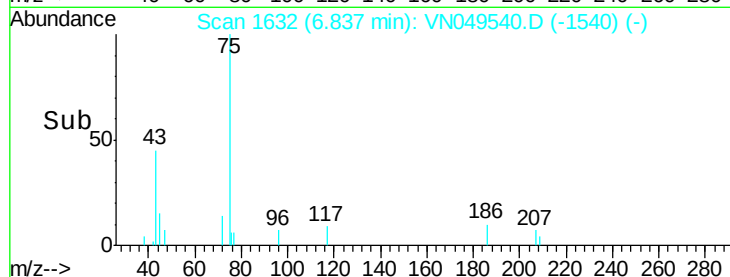
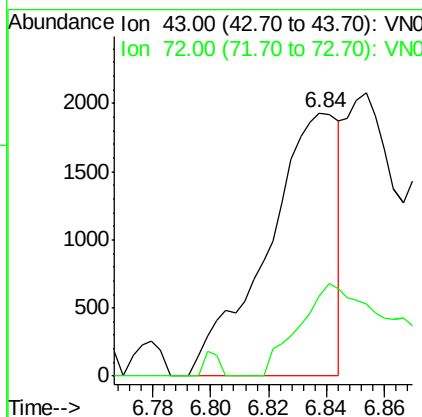
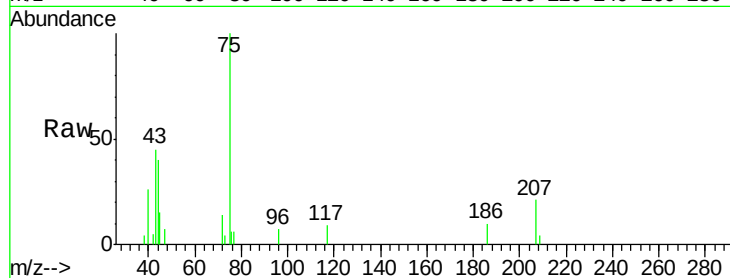




#25
2-Butanone
Concen: 0.66 ug/l
RT: 6.84 min Scan# 1632
Delta R.T. -0.00 min
Lab File: VN049540.D
Acq: 26 Jun 2018 4:45

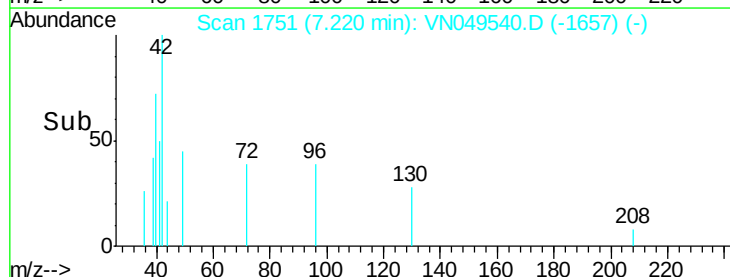
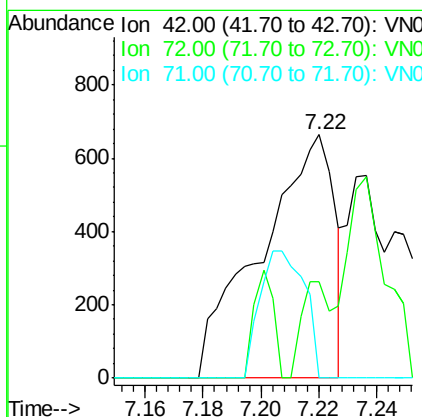
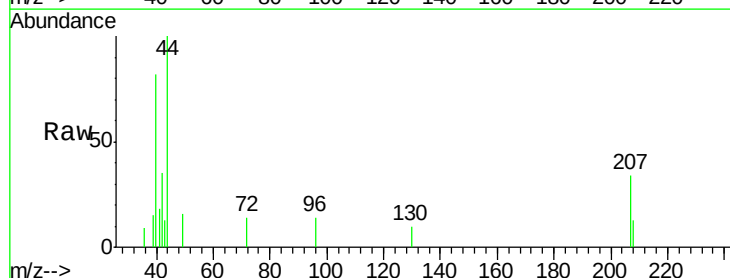
Instrument :
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ClientSampled :
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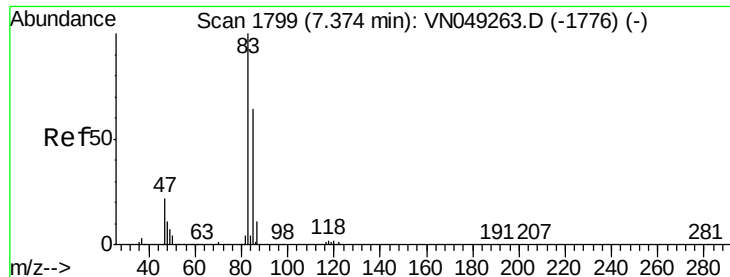
Tot Ion: 43 Resp: 3295
Ion Ratio Lower Upper
43 100
72 30.4 20.2 30.2#



#29
Tetrahydrofuran
Concen: 0.37 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN049540.D
Acq: 26 Jun 2018 4:45

Tgt Ion: 42 Resp: 1167
Ion Ratio Lower Upper
42 100
72 14.5 32.2 48.4#
71 0.0 30.5 45.7#





#30

Chloroform

Concen: 0.63 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN049540.D

Acq: 26 Jun 2018 4:45

Instrument :

MSVOA_N

ClientSampleId :

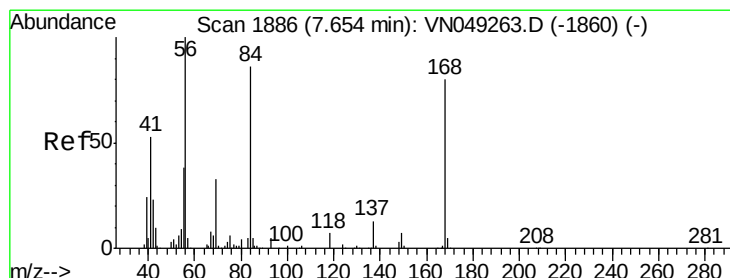
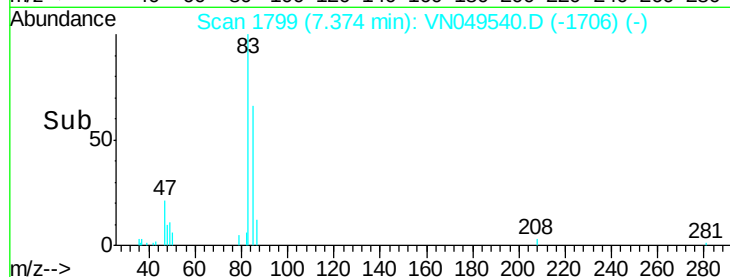
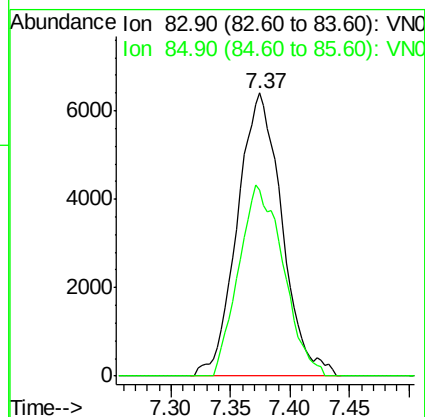
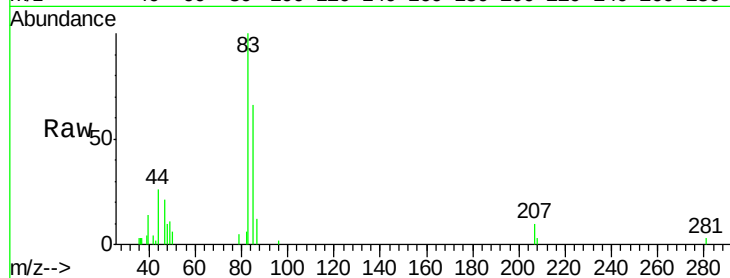
RO-5-8

Tot Ion: 83 Resp: 16625

Ion Ratio Lower Upper

83 100

85 65.9 51.7 77.5



#31

Cyclohexane

Concen: 0.89 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN049540.D

Acq: 26 Jun 2018 4:45

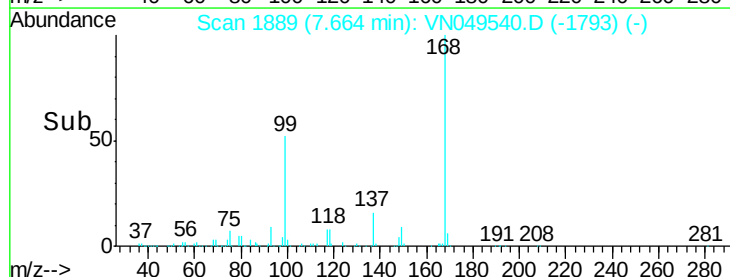
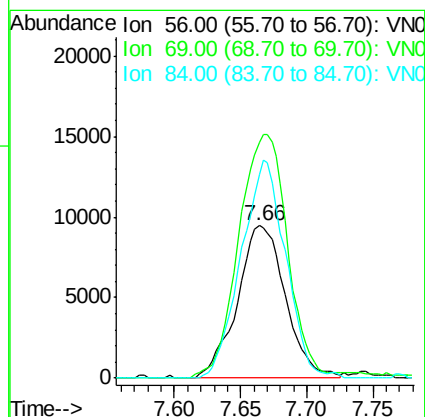
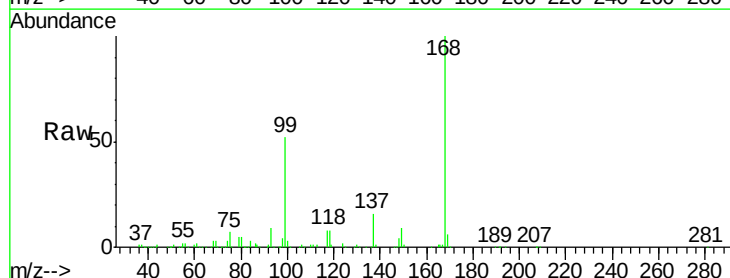
Tgt Ion: 56 Resp: 23876

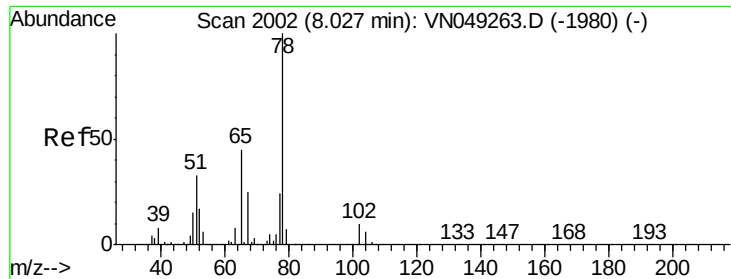
Ion Ratio Lower Upper

56 100

69 154.7 25.0 37.4#

84 133.7 64.6 96.8#

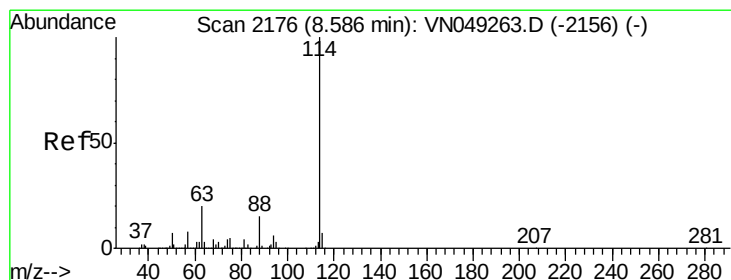
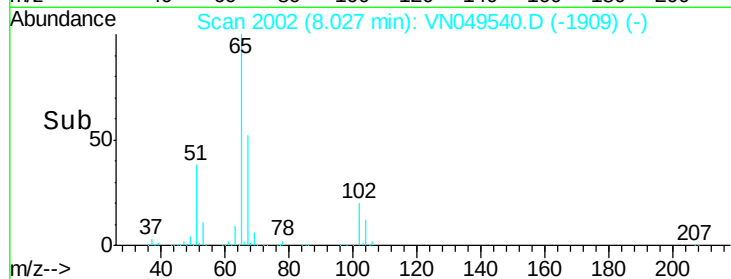
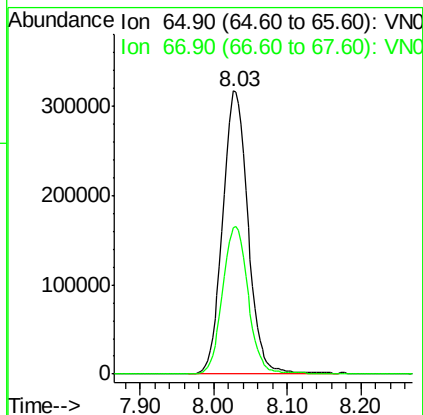
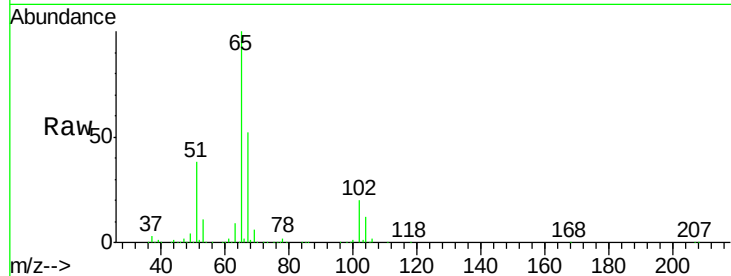




#33
 1,2-Dichloroethane-d4
 Concen: 49.95 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049540.D
 Acq: 26 Jun 2018 4:45

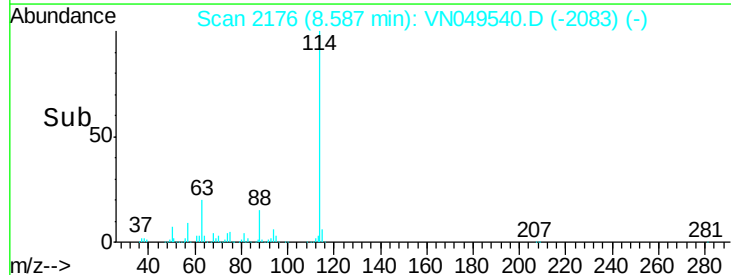
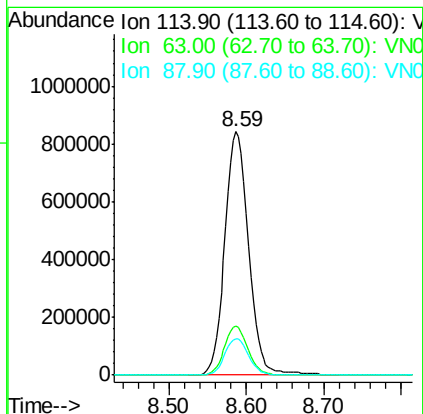
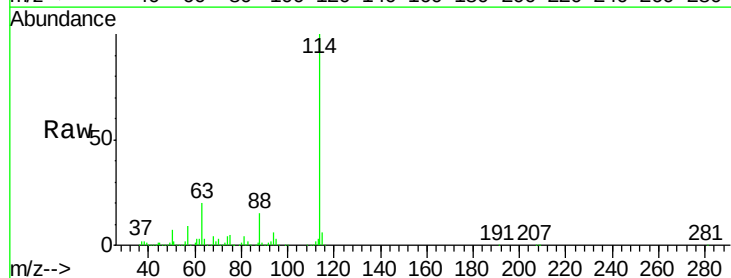
Instrument :
 MSVOA_N
 ClientSampled :
 RO-5-8

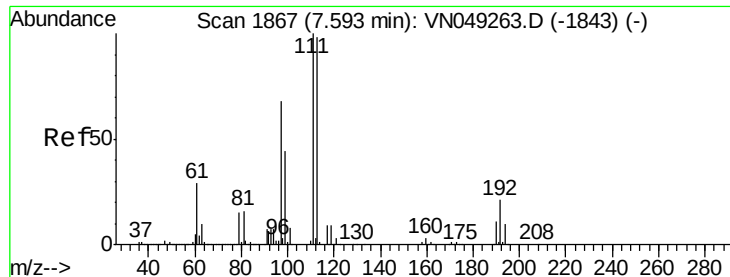
Tot Ion: 65 Resp: 760434
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049540.D
 Acq: 26 Jun 2018 4:45

Tgt Ion: 114 Resp: 1794996
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 44.4
 88 15.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 46.97 ug/l

RT: 7.59 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN049540.D

Acq: 26 Jun 2018 4:45

Instrument :

MSVOA_N

ClientSampled :

RO-5-8

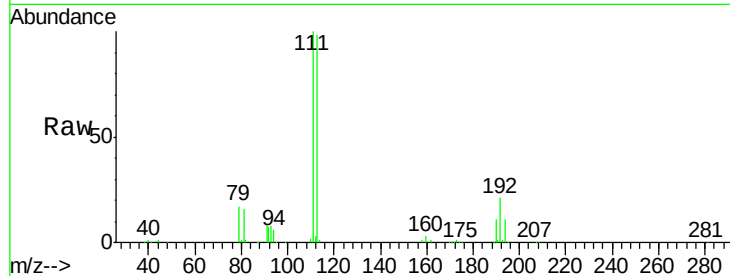
Tot Ion:113 Resp: 682041

Ion Ratio Lower Upper

113 100

111 102.3 82.4 123.6

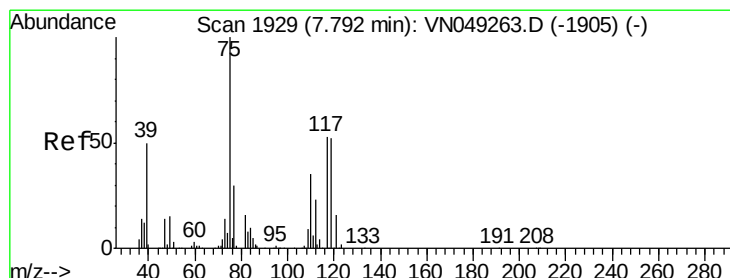
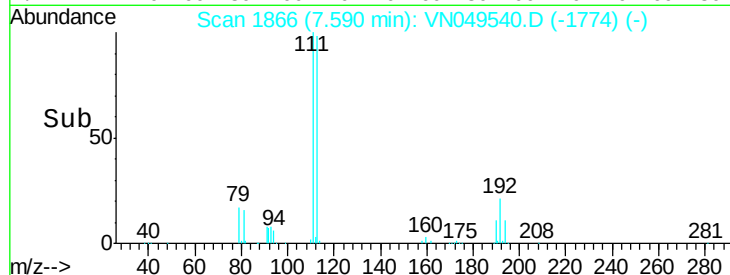
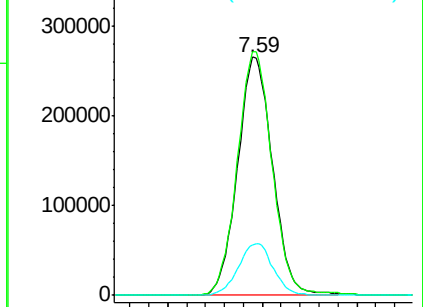
192 21.6 15.0 22.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 3.96 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN049540.D

Acq: 26 Jun 2018 4:45

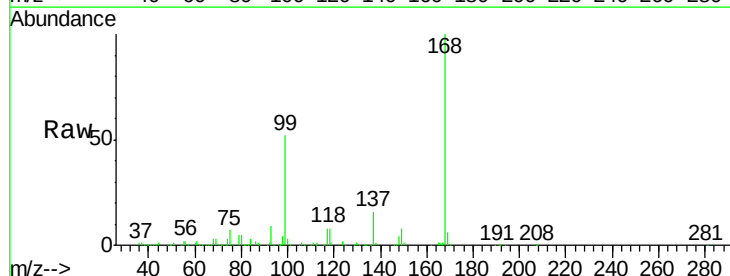
Tgt Ion: 75 Resp: 81447

Ion Ratio Lower Upper

75 100

110 3.0 17.0 50.9#

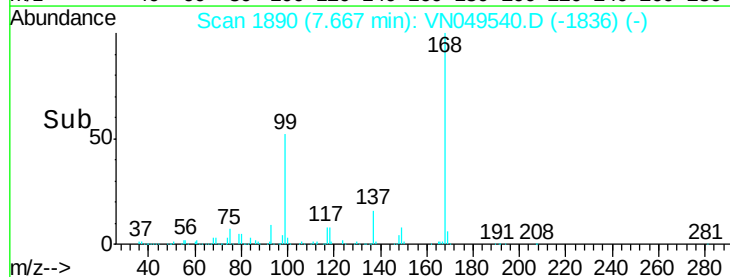
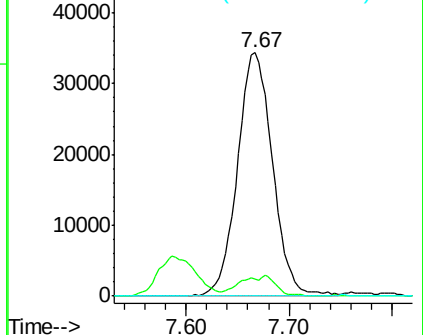
77 0.0 24.4 36.6#

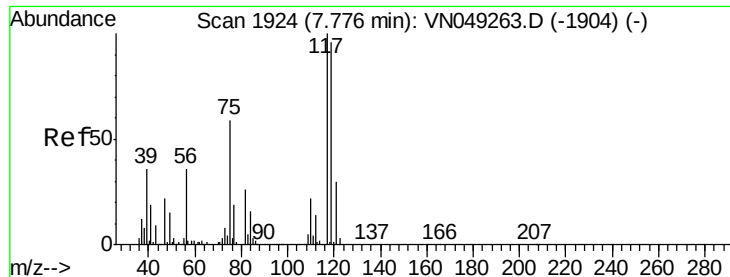


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 4.82 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.11 min

Lab File: VN049540.D

Acq: 26 Jun 2018 4:45

Instrument :

MSVOA_N

ClientSampled :

RO-5-8

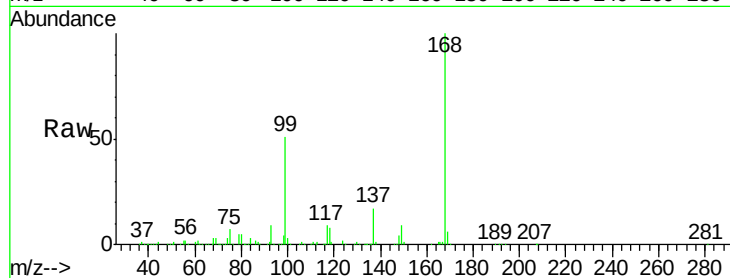
Tot Ion:117 Resp: 102607

Ion Ratio Lower Upper

117 100

119 6.4 75.6 113.4#

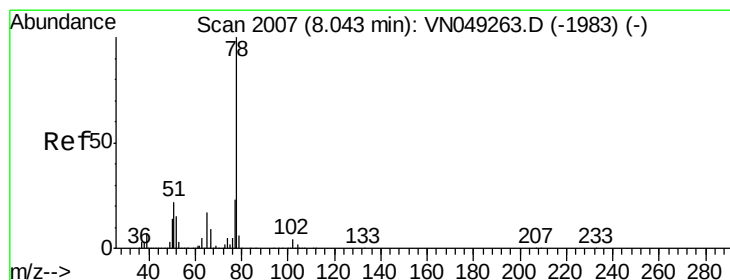
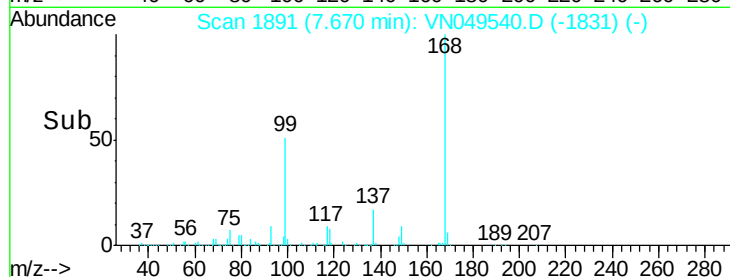
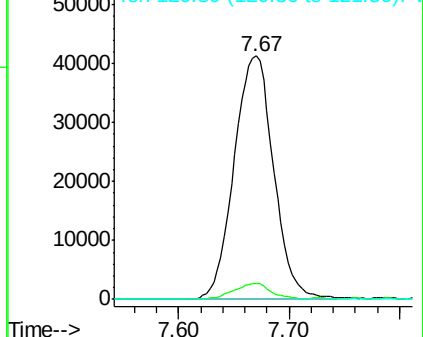
121 0.0 24.7 37.1#



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: 0.29 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VN049540.D

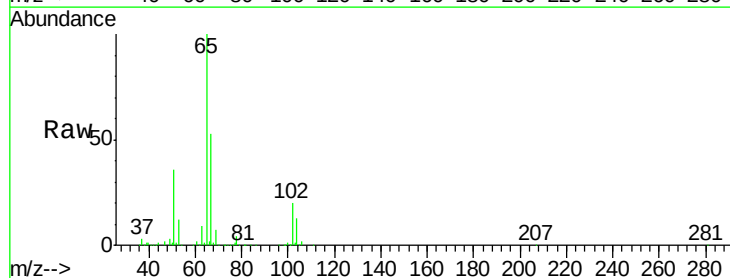
Acq: 26 Jun 2018 4:45

Tgt Ion: 78 Resp: 18557

Ion Ratio Lower Upper

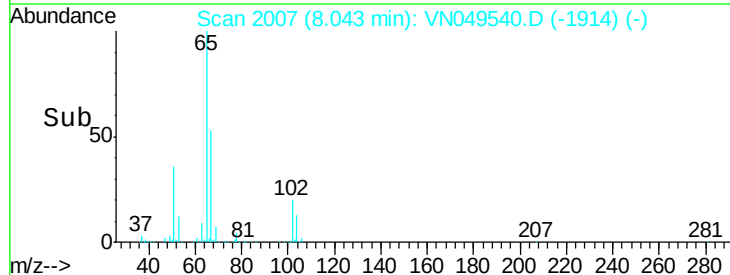
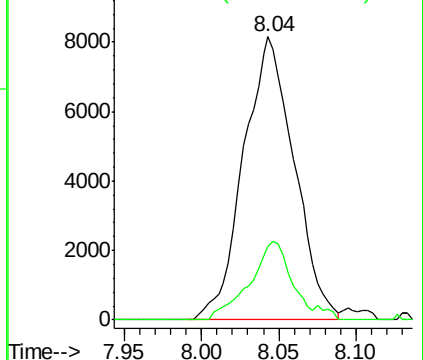
78 100

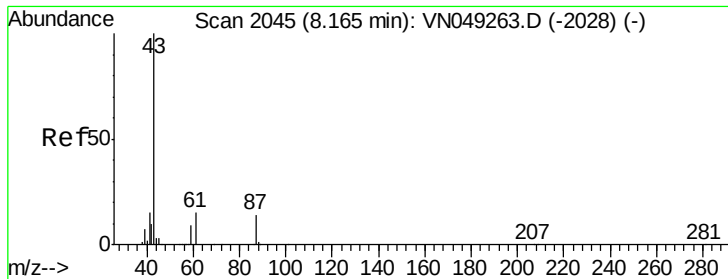
77 26.0 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): V

Ion 77.00 (76.70 to 77.70): V



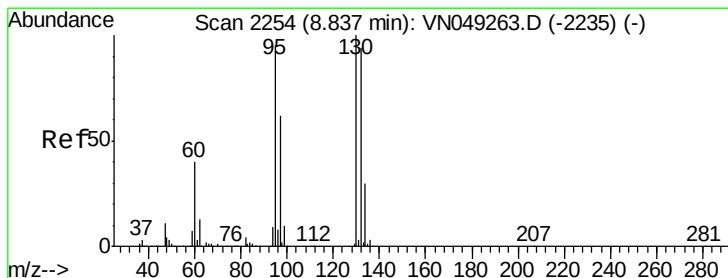
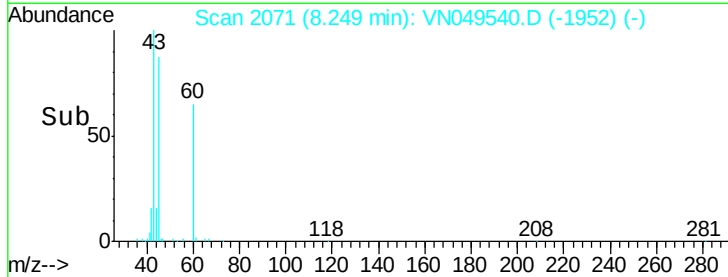
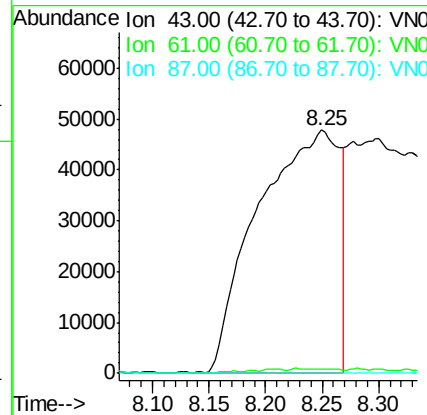
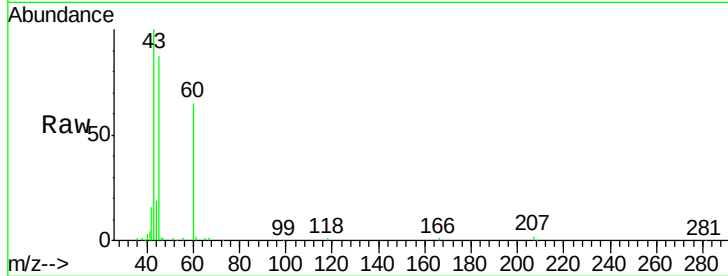


#43

Isopropyl Acetate
 Concen: 11.24 ug/l
 RT: 8.25 min Scan# 2071
 Delta R.T. 0.08 min
 Lab File: VN049540.D
 Acq: 26 Jun 2018 4:45

Instrument :
 MSVOA_N
 ClientSampled :
 RO-5-8

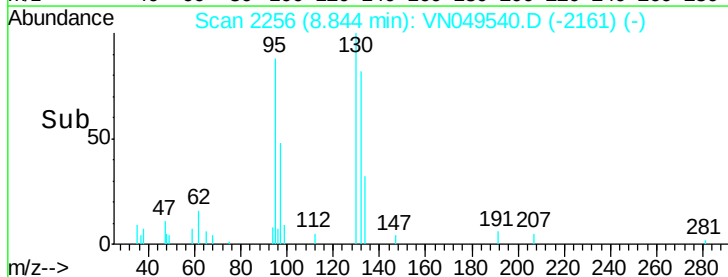
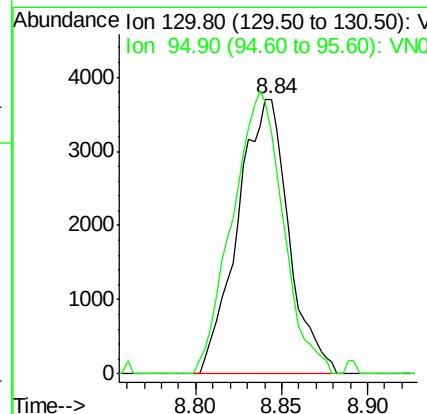
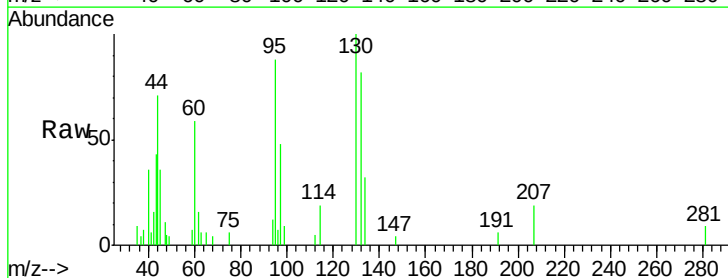
Tot Ion: 43 Resp: 240187
 Ion Ratio Lower Upper
 43 100
 61 0.0 14.2 21.4#
 87 0.0 9.4 14.0#

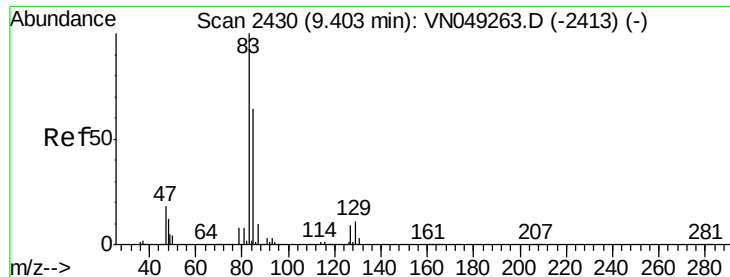


#44

Trichloroethene
 Concen: 0.46 ug/l
 RT: 8.84 min Scan# 2256
 Delta R.T. 0.01 min
 Lab File: VN049540.D
 Acq: 26 Jun 2018 4:45

Tgt Ion: 130 Resp: 7666
 Ion Ratio Lower Upper
 130 100
 95 87.7 0.0 208.6





#47

Bromodichloromethane

Concen: 0.29 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN049540.D

Acq: 26 Jun 2018 4:45

Instrument :

MSVOA_N

ClientSampleId :

RO-5-8

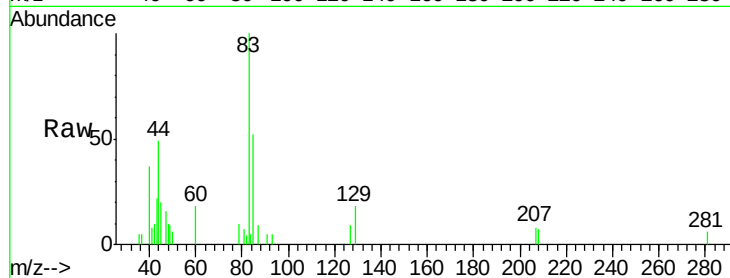
Tot Ion: 83 Resp: 6161

Ion Ratio Lower Upper

83 100

85 51.8 49.4 74.0

127 8.8 6.3 9.5

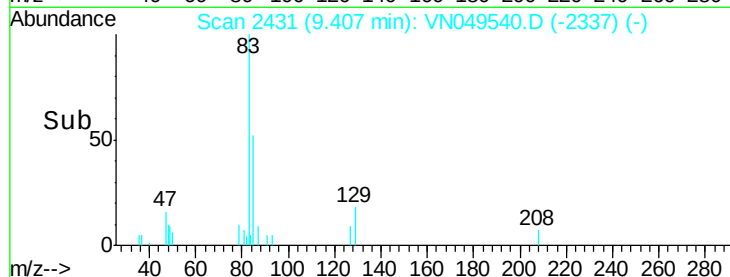


Abundance Ion 82.90 (82.60 to 83.60): VN049540.D (-2337) (-)

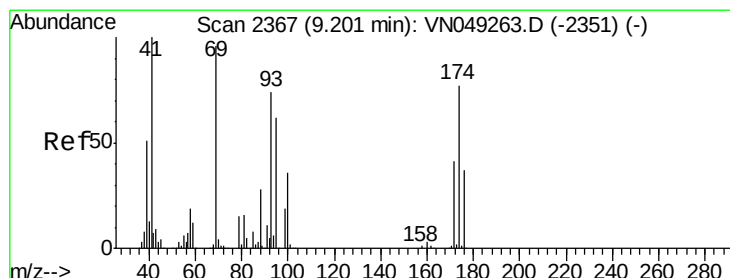
Ion 84.90 (84.60 to 85.60): VN049540.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049540.D (-2337) (-)

Time-->



Time-->



#49

1,4-Dioxane

Concen: 0.71 ug/l

RT: 9.19 min Scan# 2365

Delta R.T. -0.01 min

Lab File: VN049540.D

Acq: 26 Jun 2018 4:45

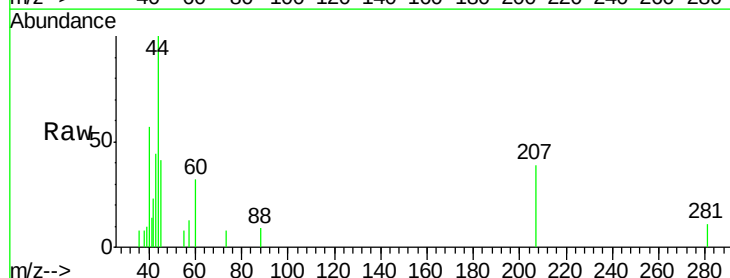
Tgt Ion: 88 Resp: 98

Ion Ratio Lower Upper

88 100

43 0.0 30.9 46.3#

58 0.0 58.9 88.3#

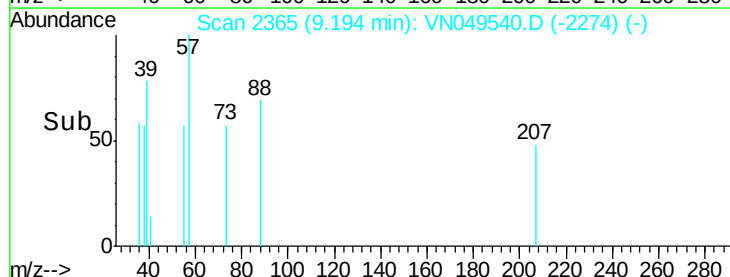


Abundance Ion 88.00 (87.70 to 88.70): VN049540.D (-2274) (-)

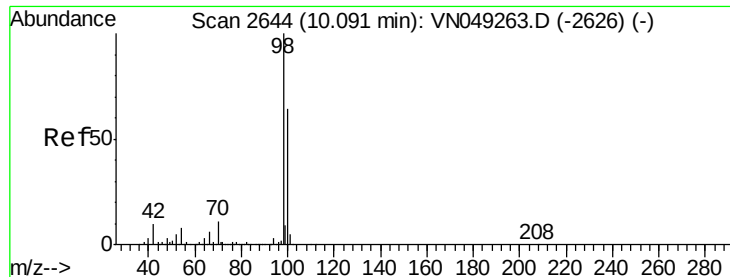
Ion 43.00 (42.70 to 43.70): VN049540.D (-2274) (-)

Ion 58.00 (57.70 to 58.70): VN049540.D (-2274) (-)

Time-->



Time-->



#50

Toluene-d8

Concen: 44.39 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049540.D

Acq: 26 Jun 2018 4:45

Instrument :

MSVOA_N

ClientSampled :

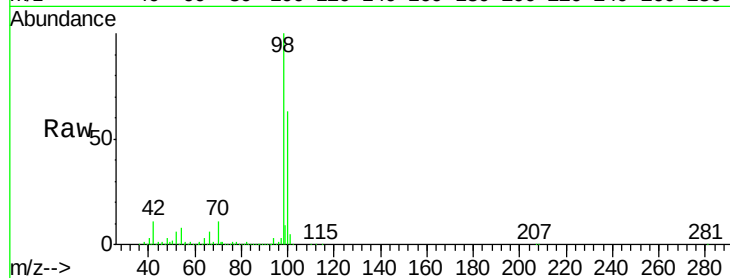
RO-5-8

Tot Ion: 98 Resp: 2454756

Ion Ratio Lower Upper

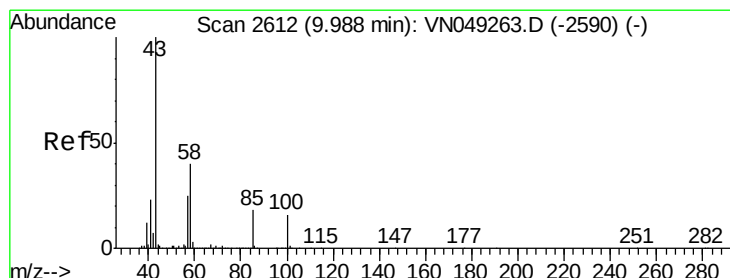
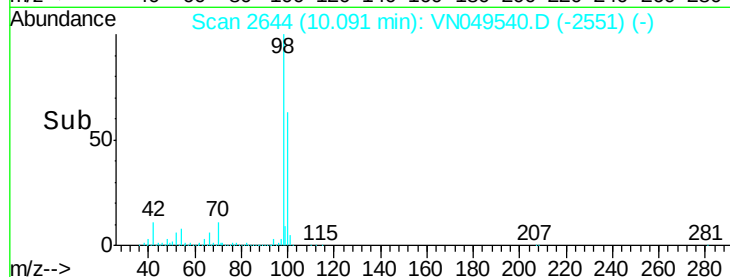
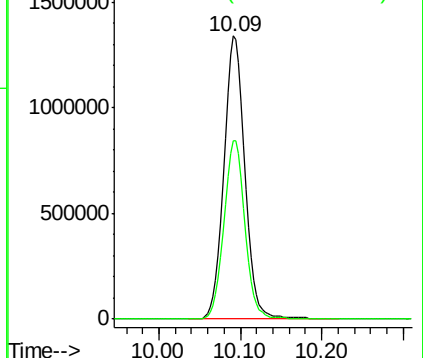
98 100

100 63.1 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 0.30 ug/l

RT: 9.99 min Scan# 2613

Delta R.T. 0.00 min

Lab File: VN049540.D

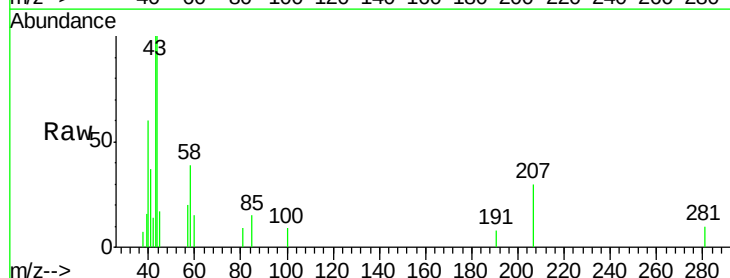
Acq: 26 Jun 2018 4:45

Tgt Ion: 43 Resp: 3342

Ion Ratio Lower Upper

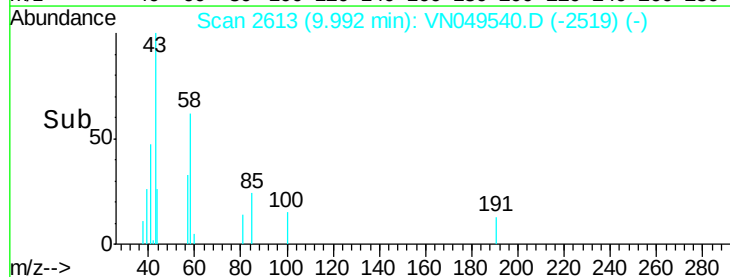
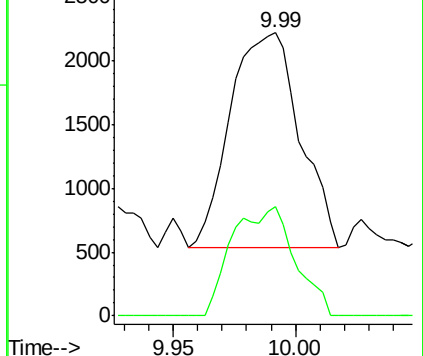
43 100

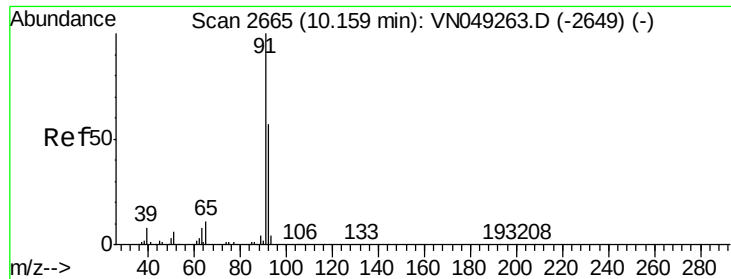
58 45.8 29.0 43.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#52

Toluene

Concen: 2.16 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049540.D

Acq: 26 Jun 2018 4:45

Instrument :

MSVOA_N

ClientSampled :

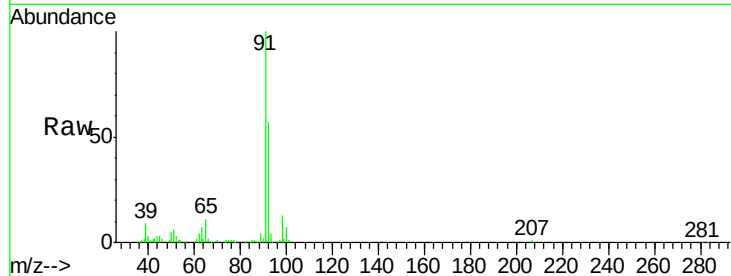
RO-5-8

Tot Ion: 92 Resp: 79779

Ion Ratio Lower Upper

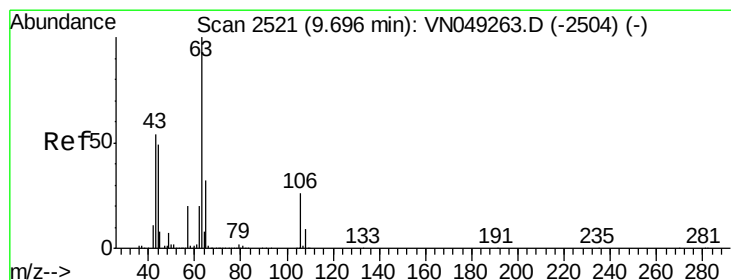
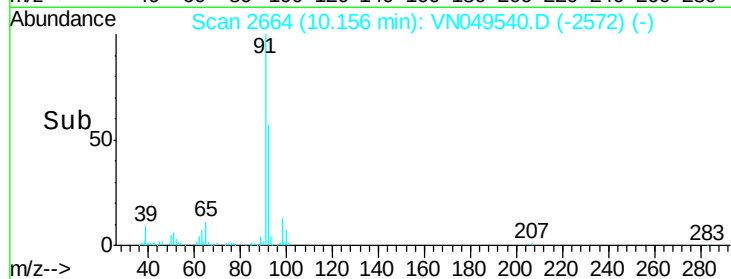
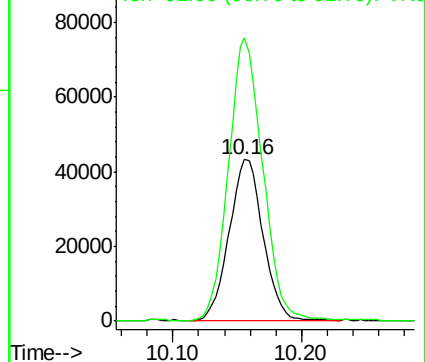
92 100

91 175.5 143.4 215.2



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: 9.67 min Scan# 2513

Delta R.T. -0.02 min

Lab File: VN049540.D

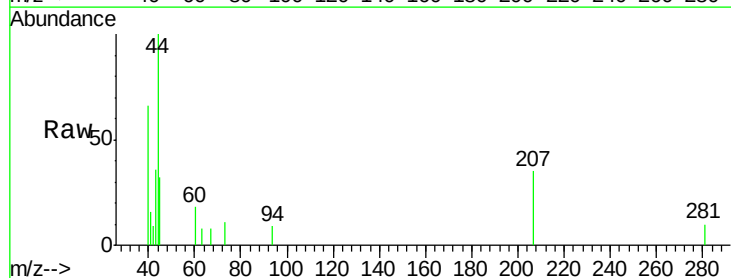
Acq: 26 Jun 2018 4:45

Tgt Ion: 63 Resp: 61

Ion Ratio Lower Upper

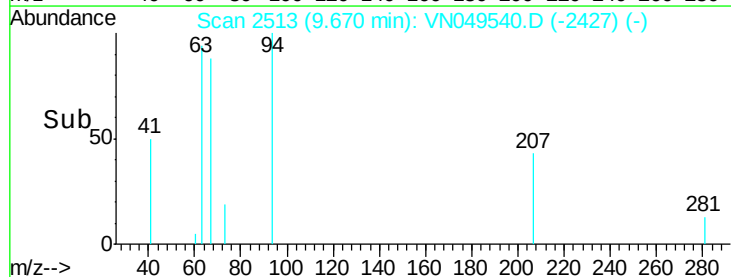
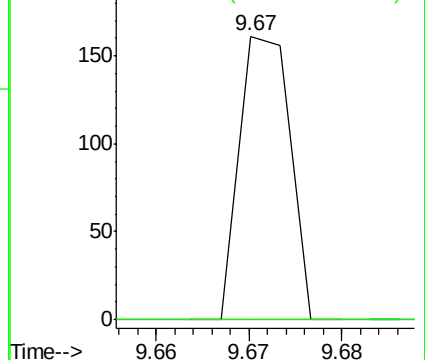
63 100

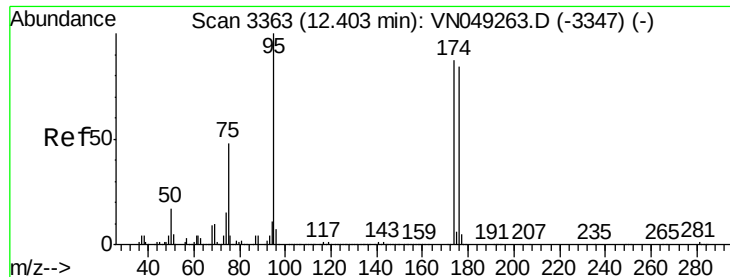
106 0.0 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#62

4-Bromofluorobenzene

Concen: 36.95 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049540.D

Acq: 26 Jun 2018 4:45

Instrument :

MSVOA_N

ClientSampled :

RO-5-8

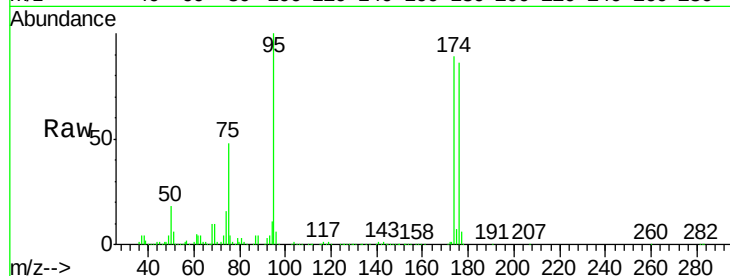
Tot Ion: 95 Resp: 675645

Ion Ratio Lower Upper

95 100

174 90.6 0.0 165.6

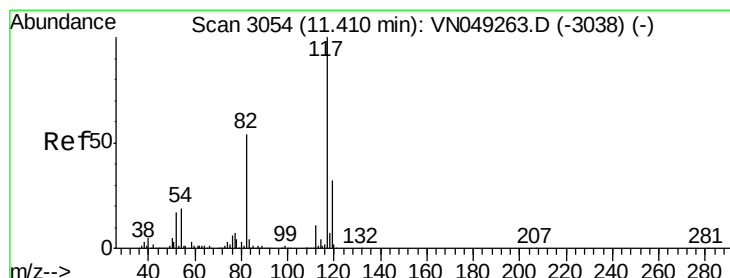
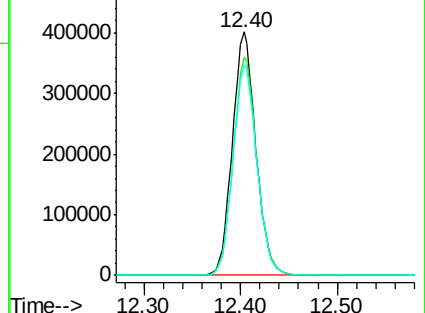
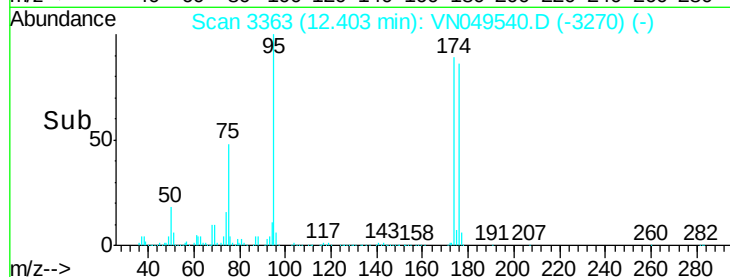
176 87.9 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN049540.D (-3270) (-)

Ion 173.80 (173.50 to 174.50): VN049540.D (-3270) (-)

Ion 175.80 (175.50 to 176.50): VN049540.D (-3270) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049540.D

Acq: 26 Jun 2018 4:45

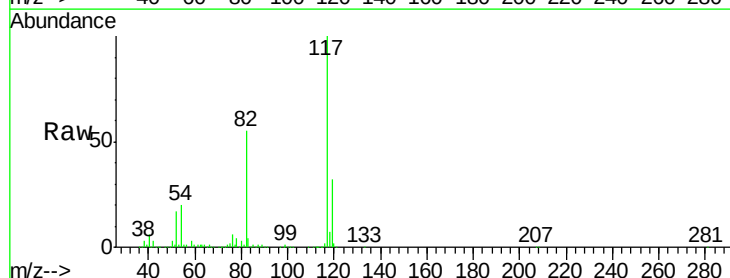
Tgt Ion: 117 Resp: 1501031

Ion Ratio Lower Upper

117 100

82 54.8 45.9 68.9

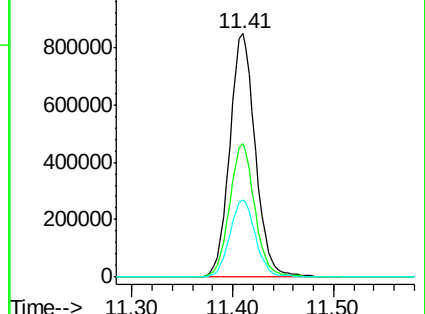
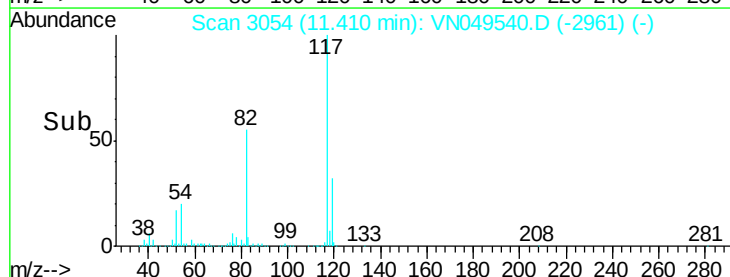
119 31.9 25.5 38.3

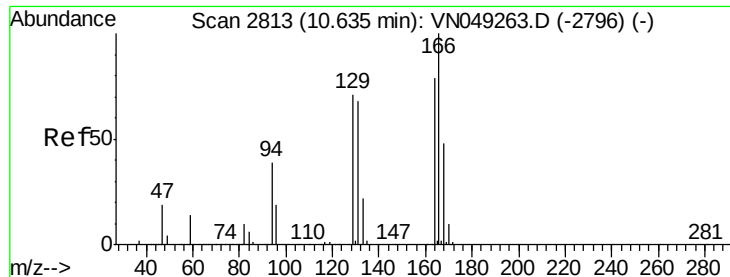


Abundance Ion 116.90 (116.60 to 117.60): VN049540.D (-2961) (-)

Ion 82.00 (81.70 to 82.70): VN049540.D (-2961) (-)

Ion 118.90 (118.60 to 119.60): VN049540.D (-2961) (-)





#64

Tetrachloroethene

Concen: 0.34 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. 0.00 min

Lab File: VN049540.D

Acq: 26 Jun 2018 4:45

Instrument :

MSVOA_N

ClientSampled :

RO-5-8

Tot Ion:164 Resp: 5166

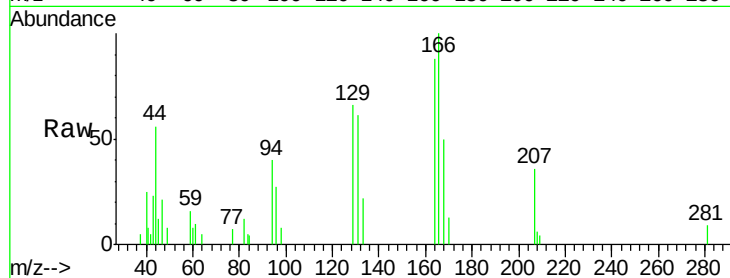
Ion Ratio Lower Upper

164 100

166 113.7 101.4 152.2

129 75.3 74.1 111.1

131 69.5 73.7 110.5#

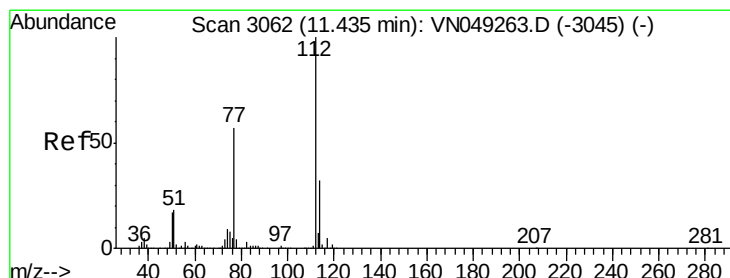
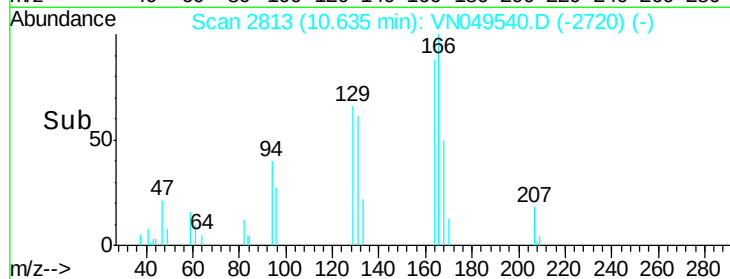
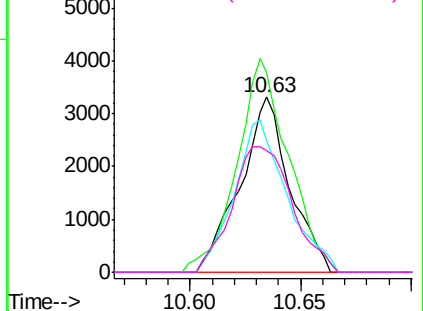


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 0.22 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049540.D

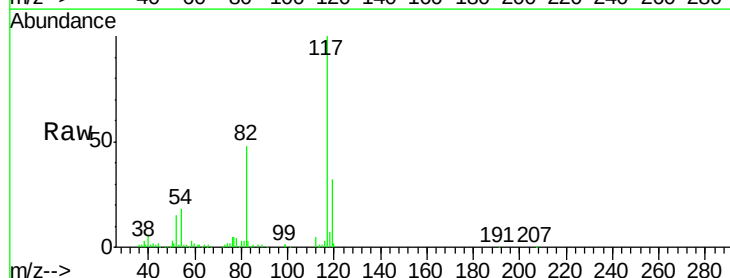
Acq: 26 Jun 2018 4:45

Tgt Ion:112 Resp: 8358

Ion Ratio Lower Upper

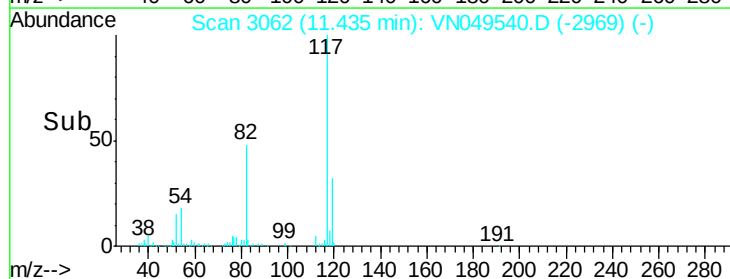
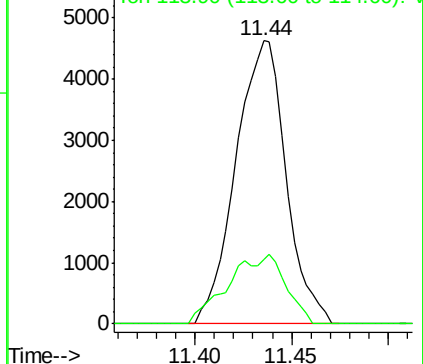
112 100

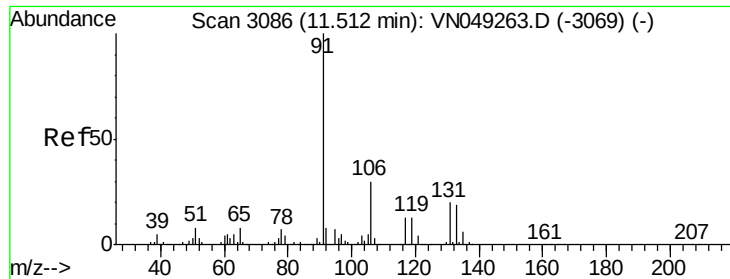
114 22.9 26.2 39.4#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

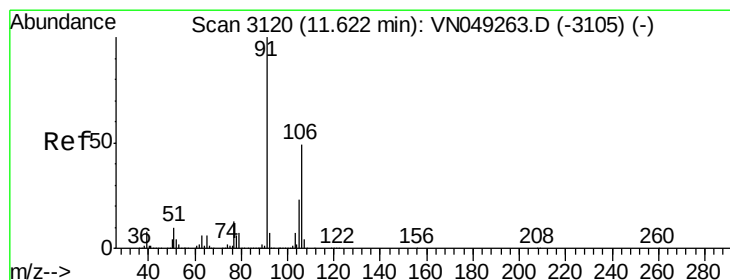
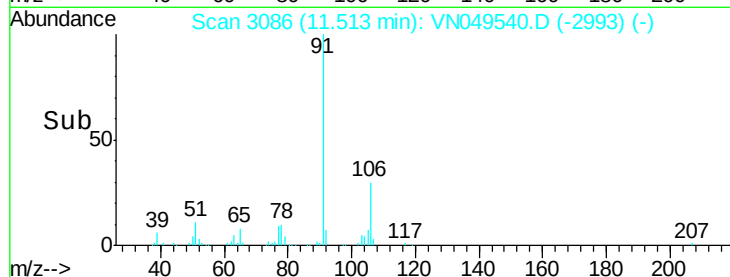
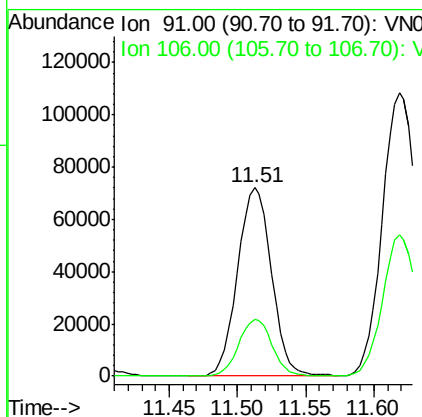
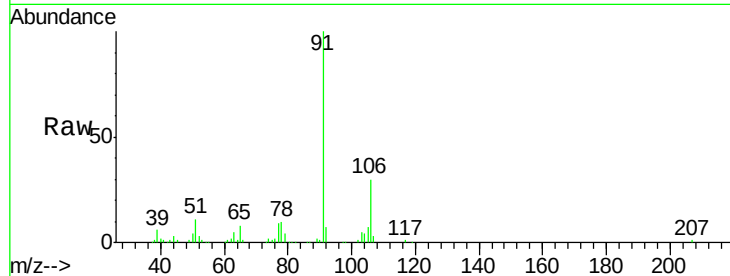




#67
Ethyl Benzene
Concen: 1.95 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049540.D
Acq: 26 Jun 2018 4:45

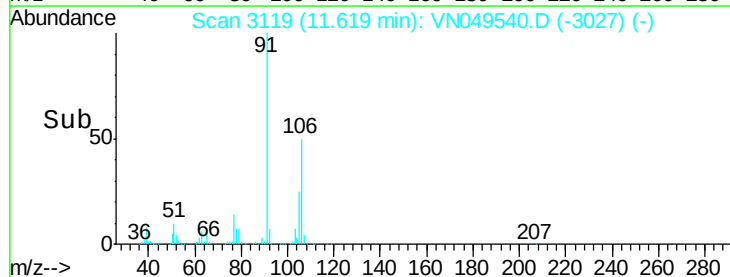
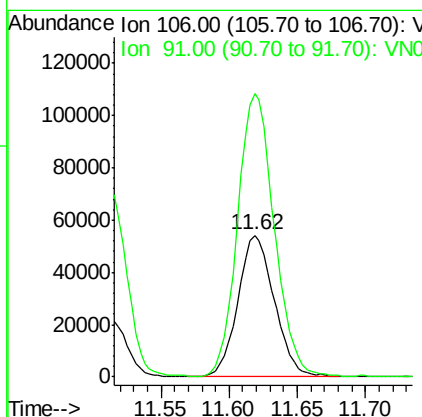
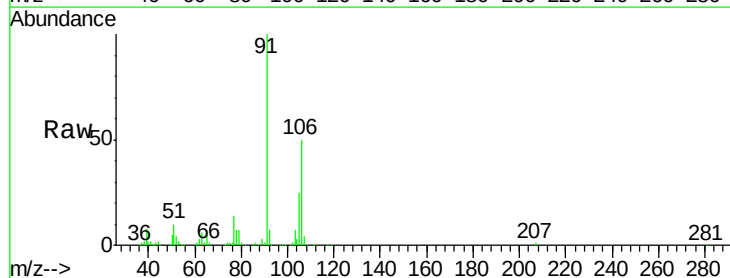
Instrument :
MSVOA_N
ClientSampled :
RO-5-8

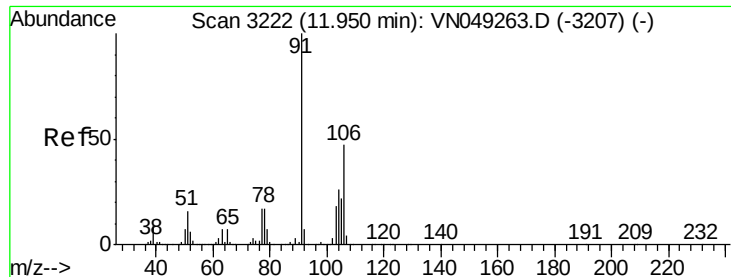
Tot Ion: 91 Resp: 125196
Ion Ratio Lower Upper
91 100
106 29.8 23.9 35.9



#68
m/p-Xylenes
Concen: 4.18 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. -0.00 min
Lab File: VN049540.D
Acq: 26 Jun 2018 4:45

Tgt Ion: 106 Resp: 100710
Ion Ratio Lower Upper
106 100
91 199.7 167.3 250.9





#69

o-Xylene

Concen: 1.91 ug/l

RT: 11.95 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN049540.D

Acq: 26 Jun 2018 4:45

Instrument :

MSVOA_N

ClientSampled :

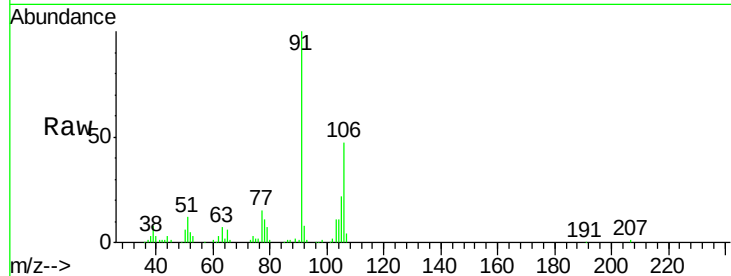
RO-5-8

Tot Ion:106 Resp: 44264

Ion Ratio Lower Upper

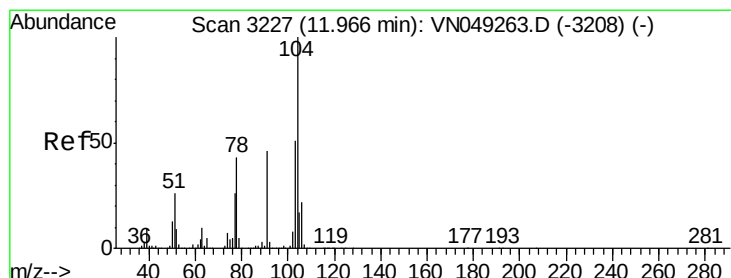
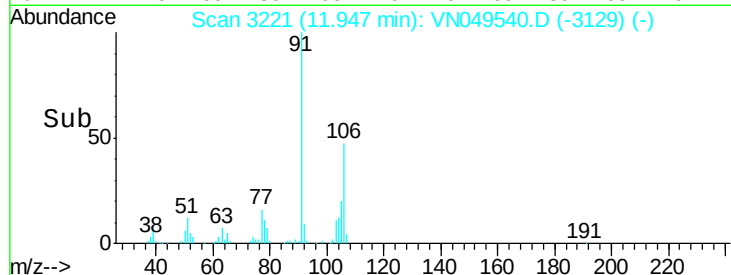
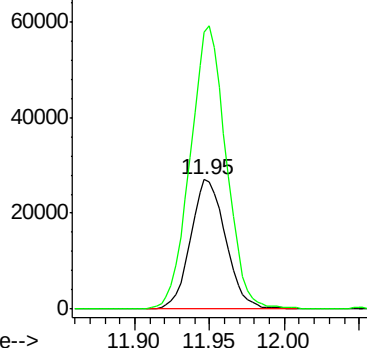
106 100

91 223.3 111.0 333.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#70

Styrene

Concen: 1.13 ug/l

RT: 11.96 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VN049540.D

Acq: 26 Jun 2018 4:45

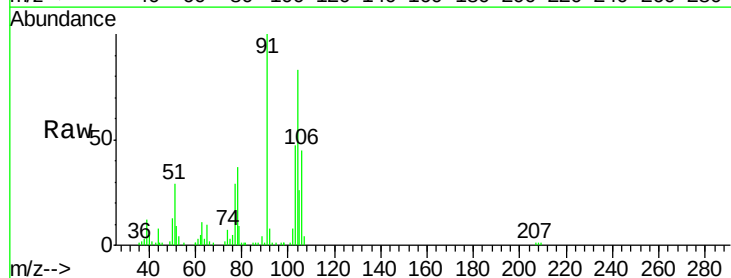
Tgt Ion:104 Resp: 41345

Ion Ratio Lower Upper

104 100

78 57.9 41.6 62.4

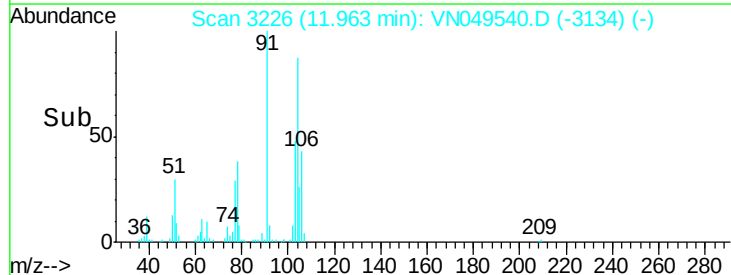
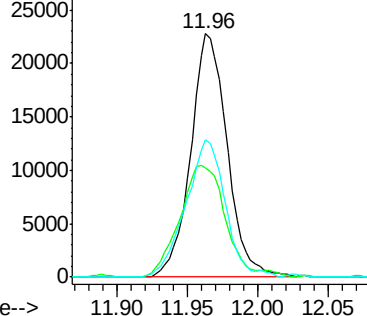
103 60.7 45.4 68.2

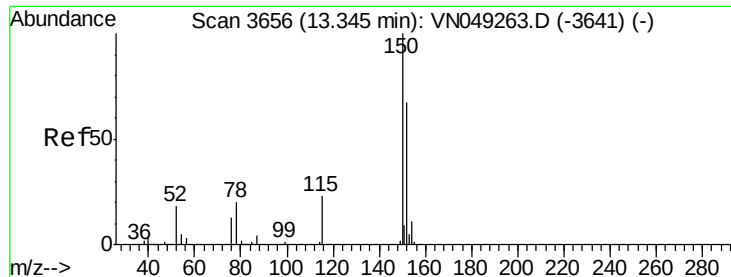


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): 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: VN049540.D

Acq: 26 Jun 2018 4:45

Instrument :

MSVOA_N

ClientSampled :

RO-5-8

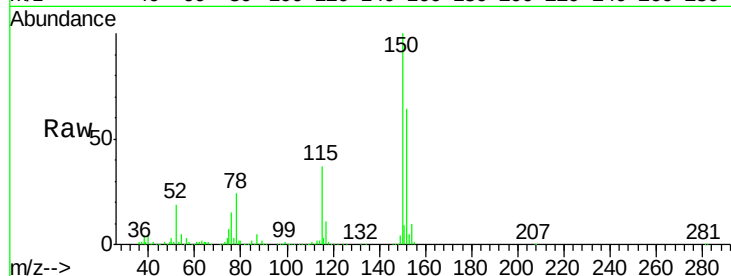
Tot Ion:152 Resp: 545298

Ion Ratio Lower Upper

152 100

115 57.8 28.7 86.1

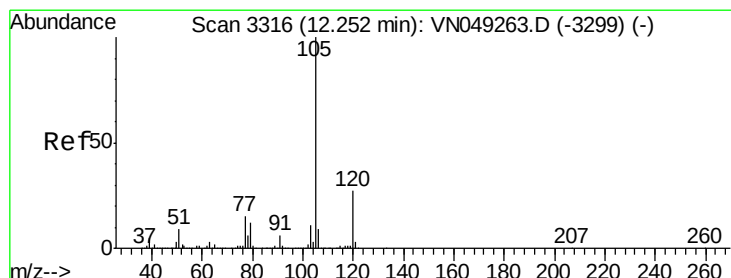
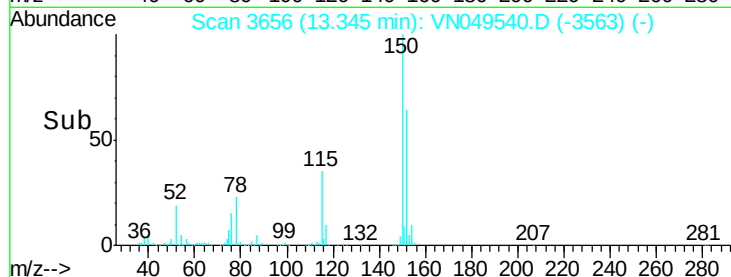
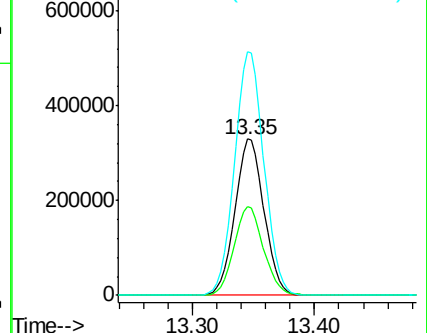
150 157.6 0.0 351.0



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



#73

Isopropylbenzene

Concen: 0.44 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049540.D

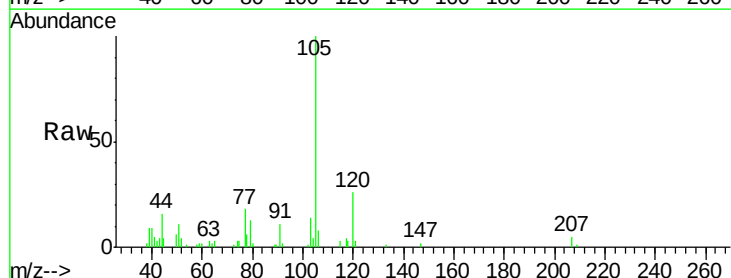
Acq: 26 Jun 2018 4:45

Tgt Ion:105 Resp: 21215

Ion Ratio Lower Upper

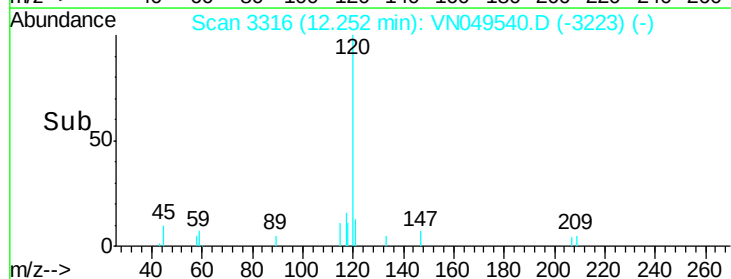
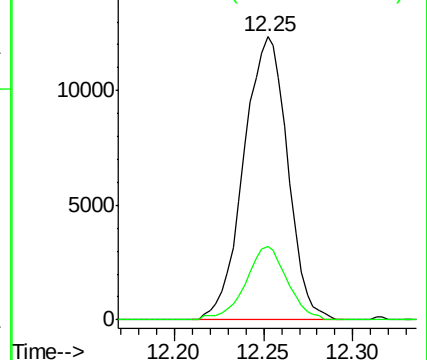
105 100

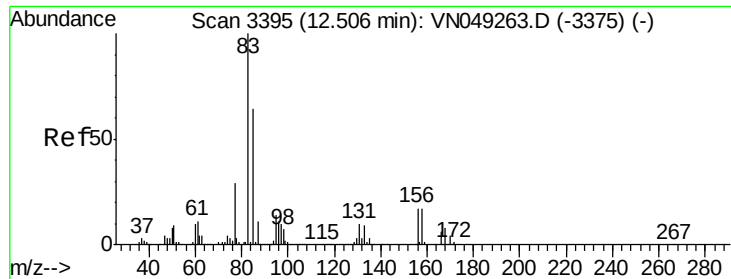
120 24.7 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3392

Delta R.T. -0.01 min

Lab File: VN049540.D

Acq: 26 Jun 2018 4:45

Instrument :

MSVOA_N

ClientSampled :

RO-5-8

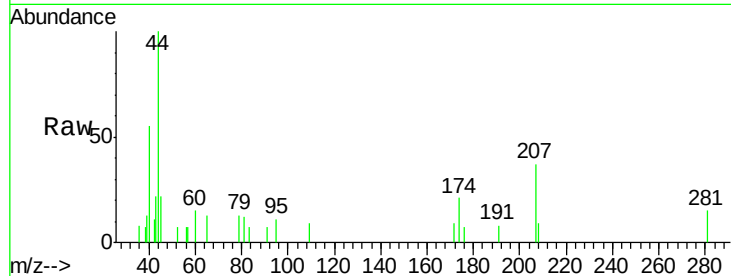
Tot Ion: 83 Resp: 31

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

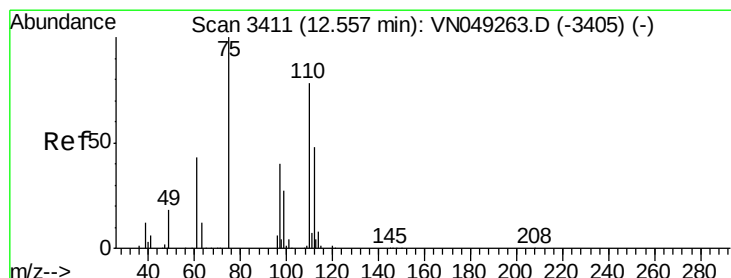
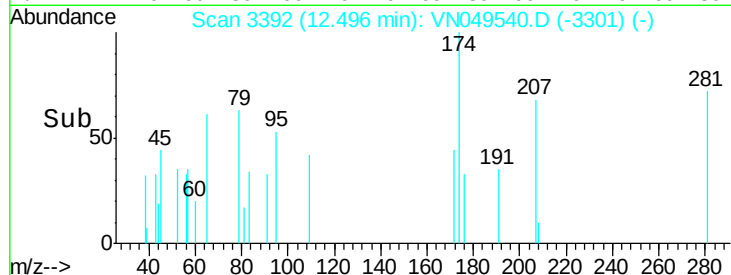
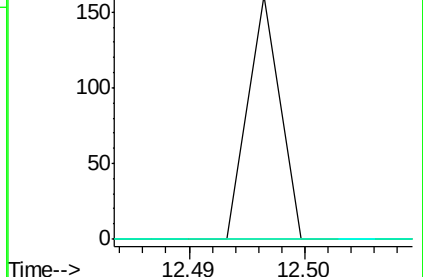
85 0.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): 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: 35.77 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049540.D

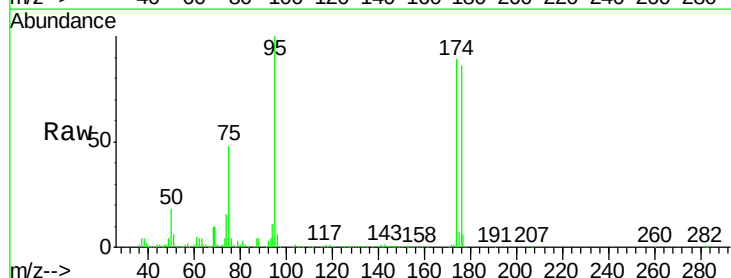
Acq: 26 Jun 2018 4:45

Tgt Ion: 75 Resp: 332827

Ion Ratio Lower Upper

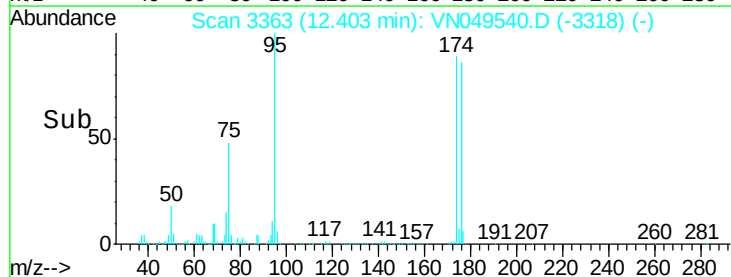
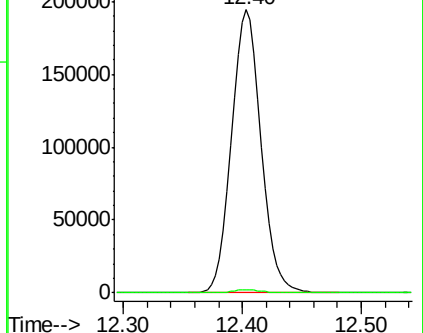
75 100

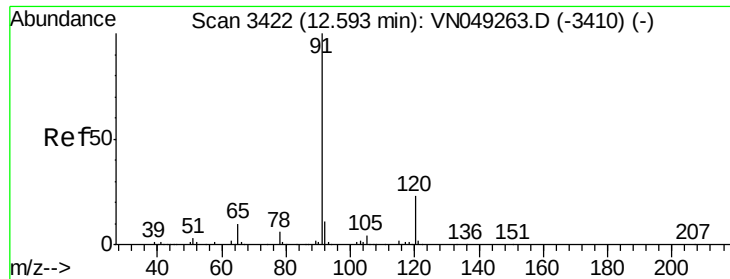
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#78

n-propylbenzene

Concen: 0.72 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049540.D

Acq: 26 Jun 2018 4:45

Instrument :

MSVOA_N

ClientSampled :

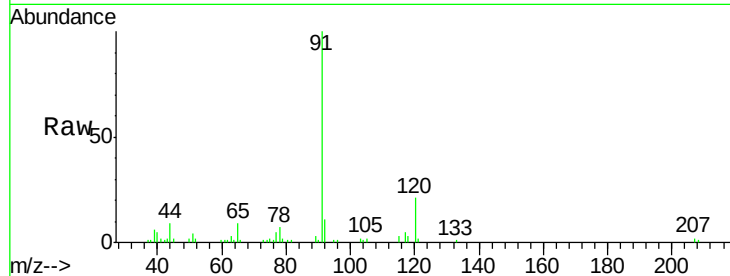
RO-5-8

Tot Ion: 91 Resp: 37994

Ion Ratio Lower Upper

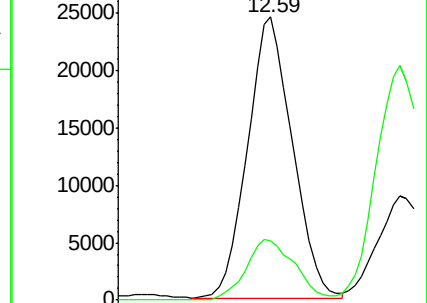
91 100

120 23.6 11.2 33.5

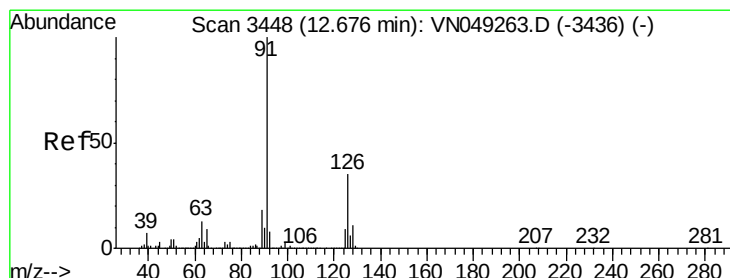
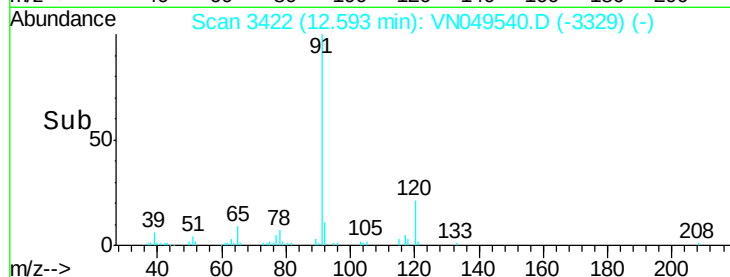


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



Time-->



#79

2-Chlorotoluene

Concen: 0.44 ug/l

RT: 12.66 min Scan# 3442

Delta R.T. -0.02 min

Lab File: VN049540.D

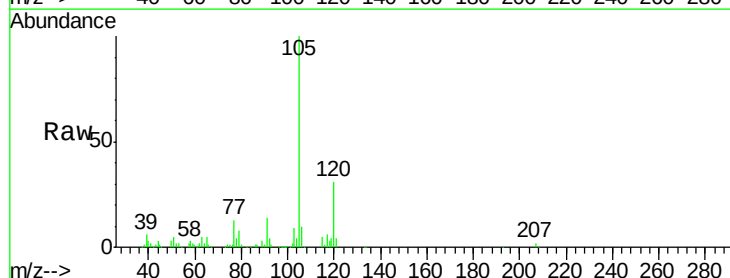
Acq: 26 Jun 2018 4:45

Tgt Ion: 91 Resp: 14649

Ion Ratio Lower Upper

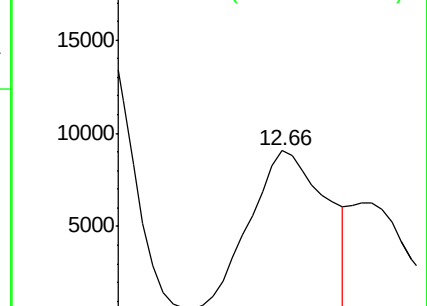
91 100

126 8.1 16.6 49.8#

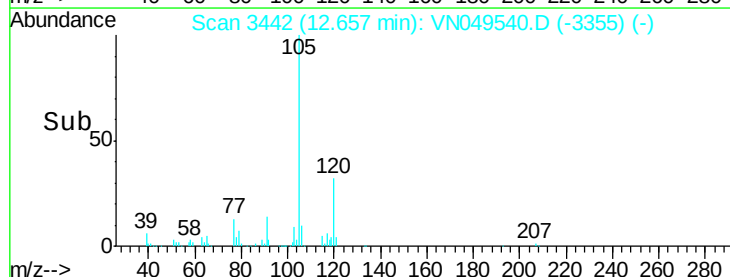


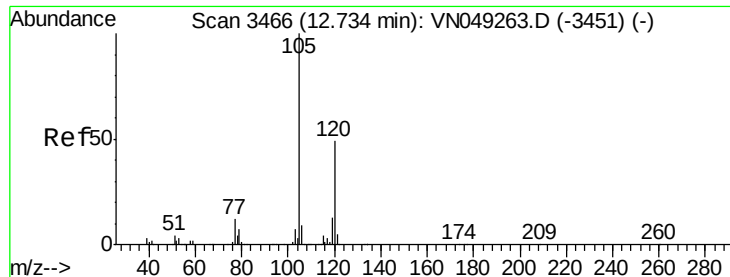
Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



Time-->





#80

1,3,5-Trimethylbenzene

Concen: 1.81 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049540.D

Acq: 26 Jun 2018 4:45

Instrument :

MSVOA_N

ClientSampled :

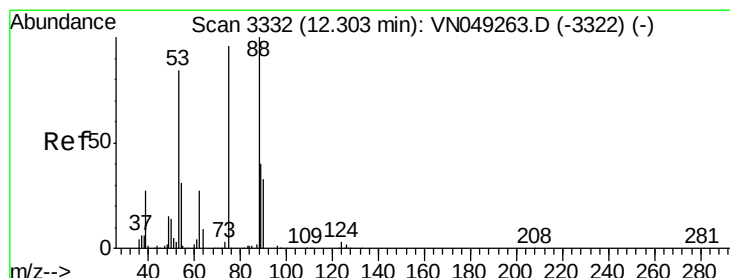
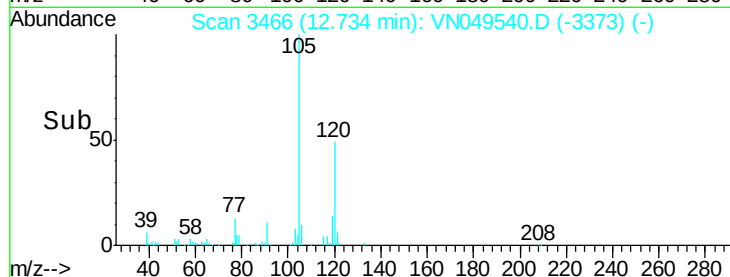
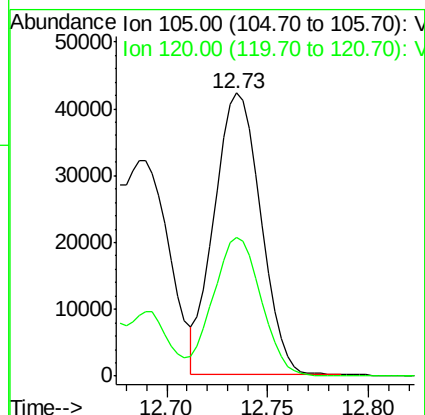
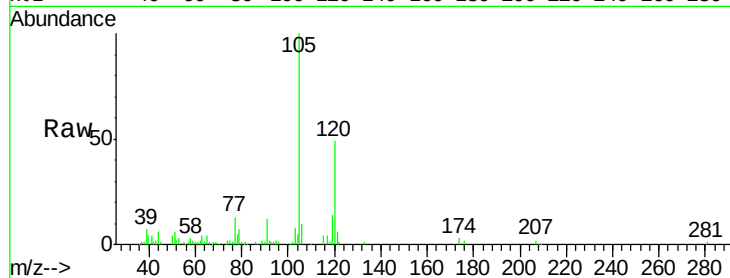
RO-5-8

Tot Ion:105 Resp: 67985

Ion Ratio Lower Upper

105 100

120 50.9 23.5 70.5



#81

trans-1,4-Dichloro-2-butene

Concen: 113.06 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049540.D

Acq: 26 Jun 2018 4:45

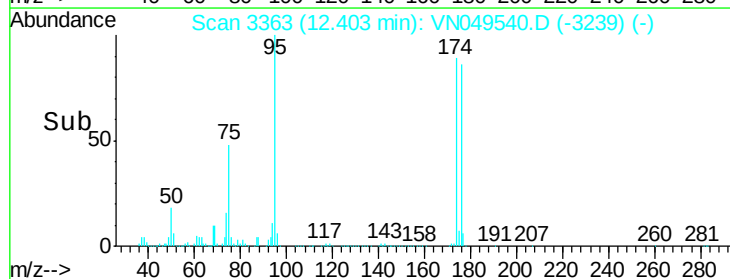
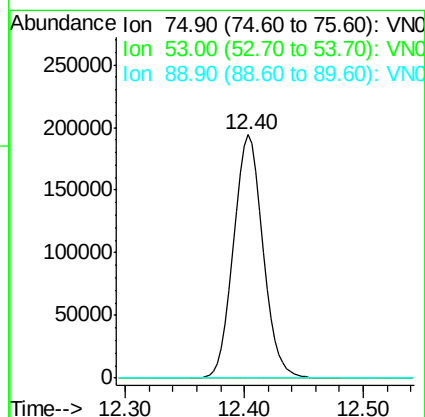
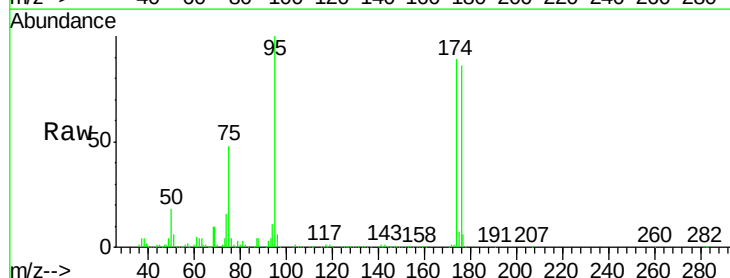
Tgt Ion: 75 Resp: 332827

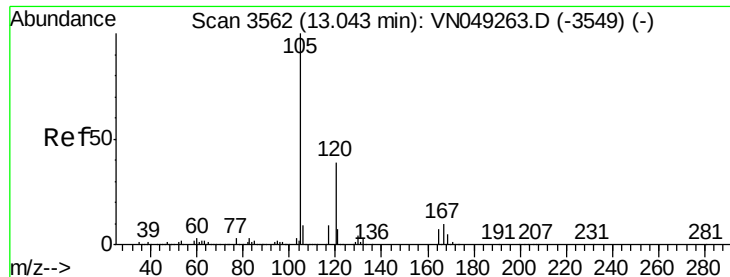
Ion Ratio Lower Upper

75 100

53 0.1 82.7 124.1#

89 0.0 36.5 54.7#





#84

1,2,4-Trimethylbenzene

Concen: 6.39 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049540.D

Acq: 26 Jun 2018 4:45

Instrument :

MSVOA_N

ClientSampleId :

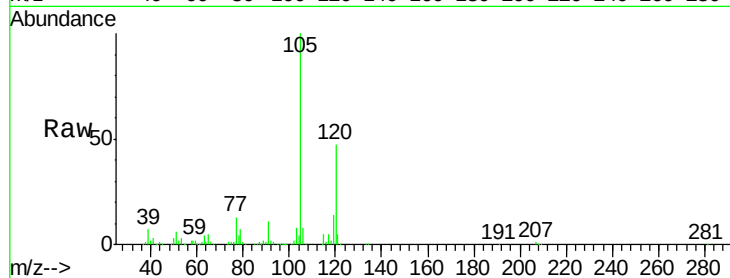
RO-5-8

Tot Ion:105 Resp: 239036

Ion Ratio Lower Upper

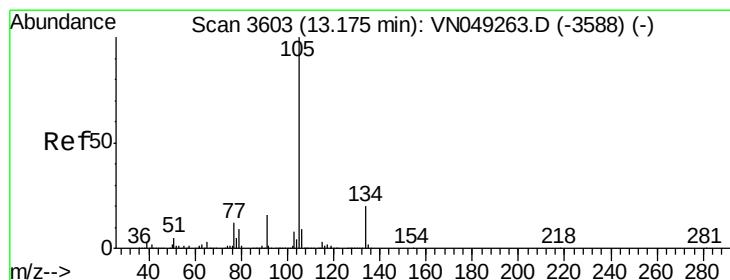
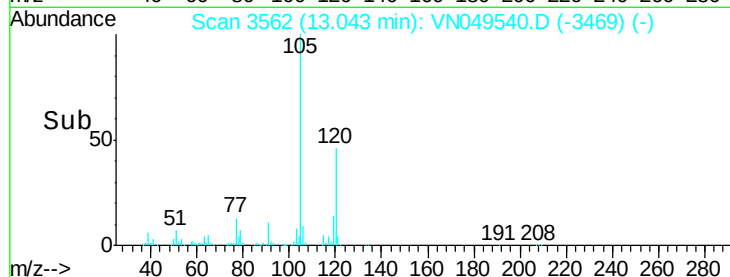
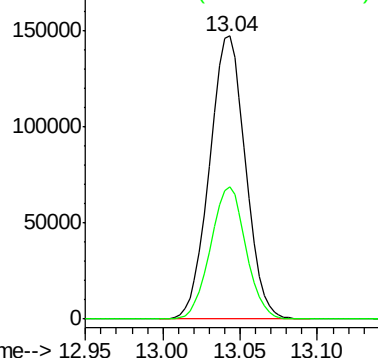
105 100

120 45.9 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 0.39 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049540.D

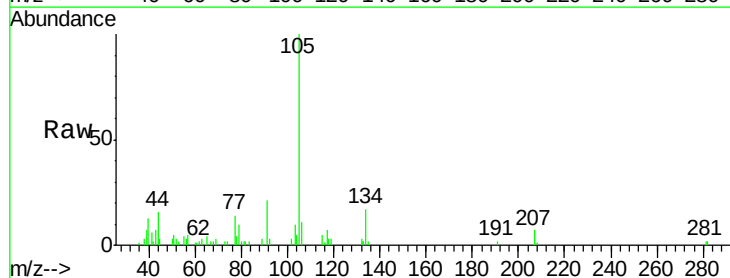
Acq: 26 Jun 2018 4:45

Tgt Ion:105 Resp: 17258

Ion Ratio Lower Upper

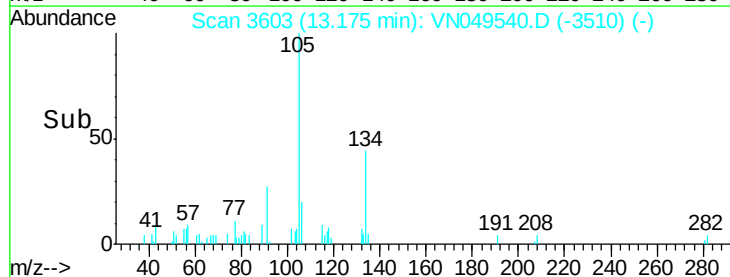
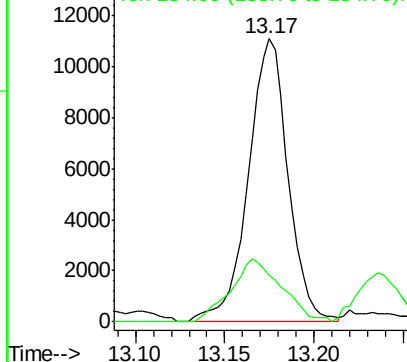
105 100

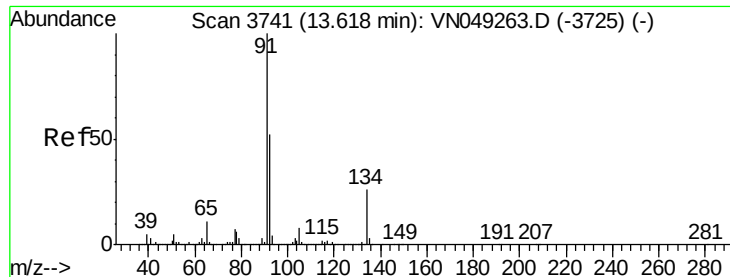
134 28.2 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#89

n-Butylbenzene

Concen: 0.37 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN049540.D

Acq: 26 Jun 2018 4:45

Instrument :

MSVOA_N

ClientSampled :

RO-5-8

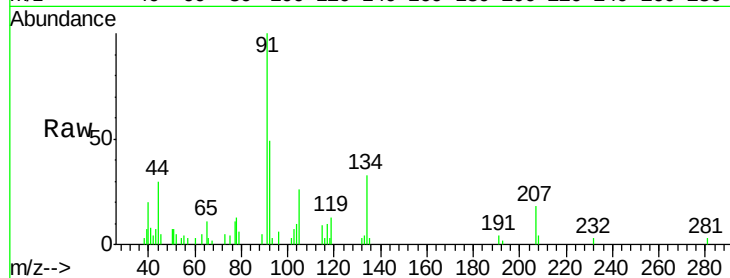
Tot Ion: 91 Resp: 10679

Ion Ratio Lower Upper

91 100

92 46.3 25.1 75.4

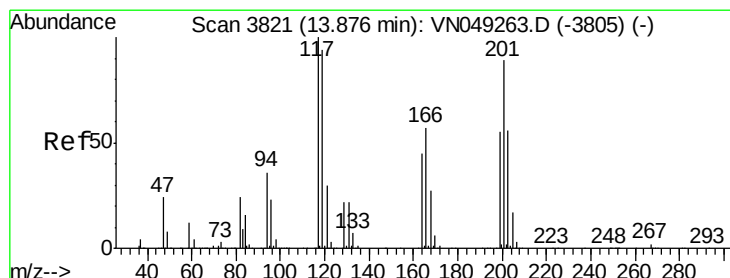
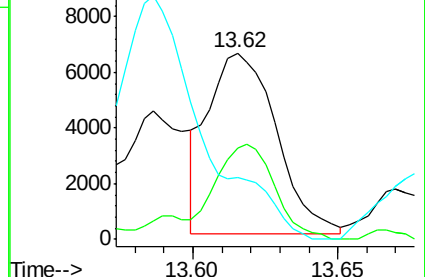
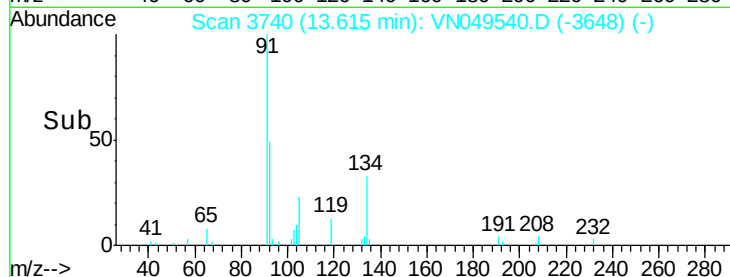
134 0.0 12.0 36.0#



Abundance Ion 91.00 (90.70 to 91.70): VN049540.D (-3648) (-)

Ion 92.00 (91.70 to 92.70): VN049540.D (-3648) (-)

Ion 134.00 (133.70 to 134.70): VN049540.D (-3648) (-)



#90

Hexachloroethane

Concen: Below Cal

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN049540.D

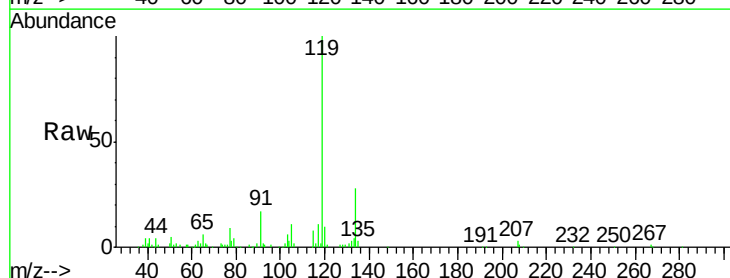
Acq: 26 Jun 2018 4:45

Tgt Ion: 117 Resp: 9124

Ion Ratio Lower Upper

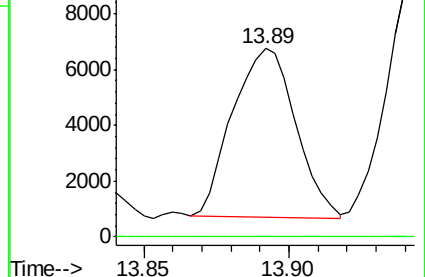
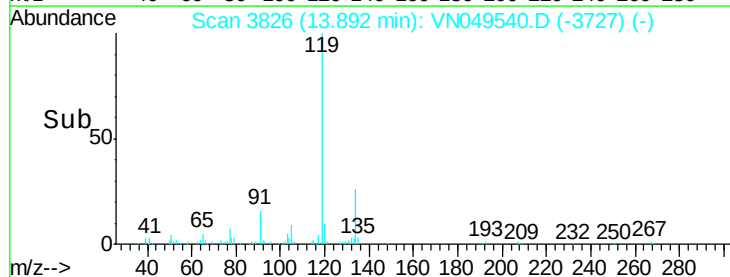
117 100

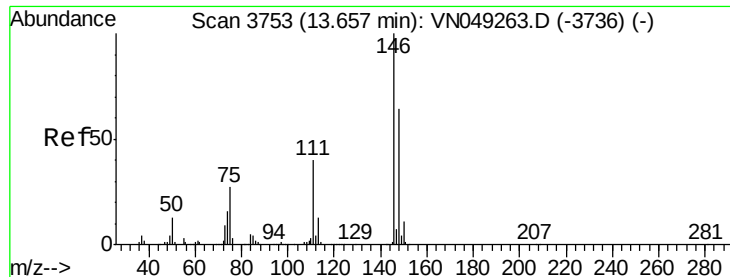
201 0.0 40.1 120.2#



Abundance Ion 116.80 (116.50 to 117.50): VN049540.D (-3727) (-)

Ion 200.70 (200.40 to 201.40): VN049540.D (-3727) (-)





#91

1,2-Dichlorobenzene

Concen: 0.28 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN049540.D

Acq: 26 Jun 2018 4:45

Instrument :

MSVOA_N

ClientSampleId :

RO-5-8

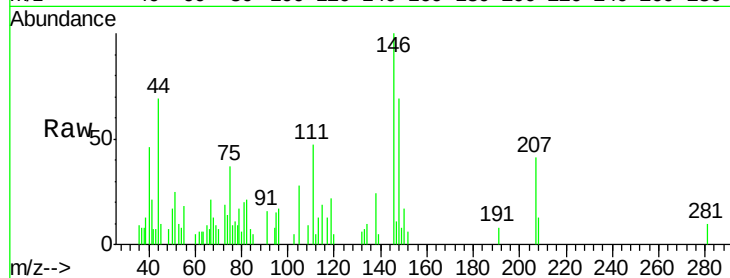
Tot Ion:146 Resp: 5737

Ion Ratio Lower Upper

146 100

111 46.6 20.8 62.2

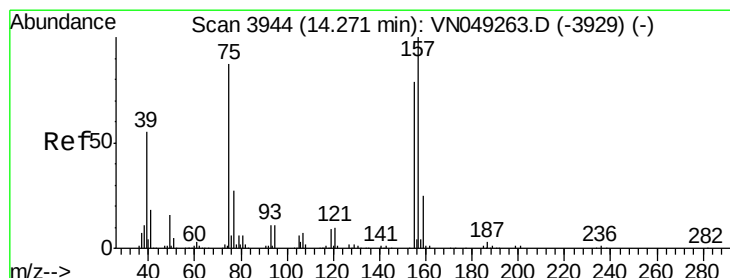
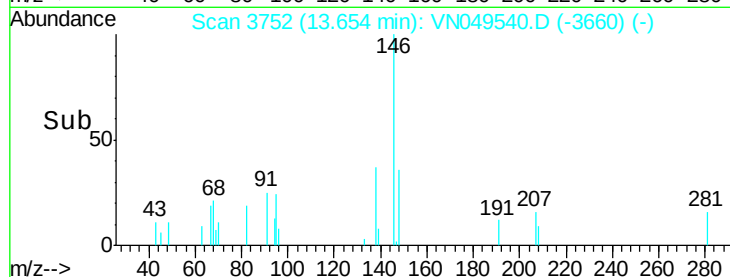
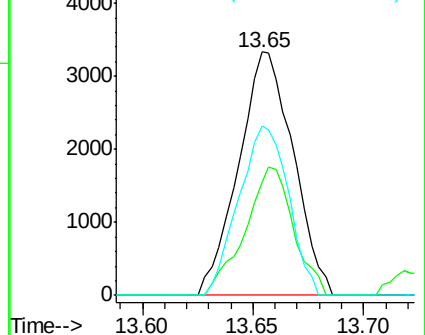
148 63.2 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.50 ug/l

RT: 14.26 min Scan# 3941

Delta R.T. -0.01 min

Lab File: VN049540.D

Acq: 26 Jun 2018 4:45

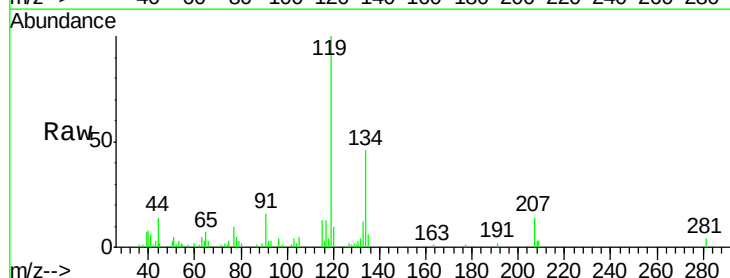
Tgt Ion: 75 Resp: 832

Ion Ratio Lower Upper

75 100

155 0.0 38.8 116.3#

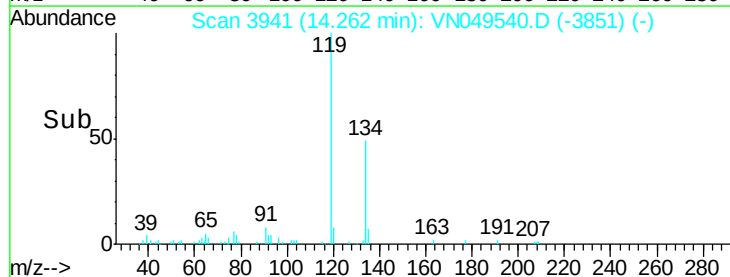
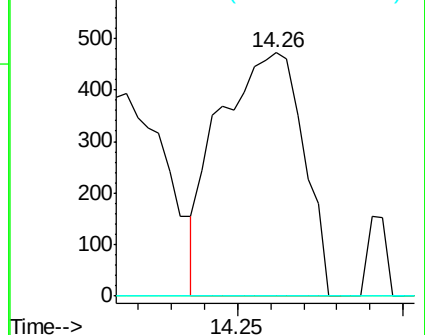
157 0.0 51.0 153.1#

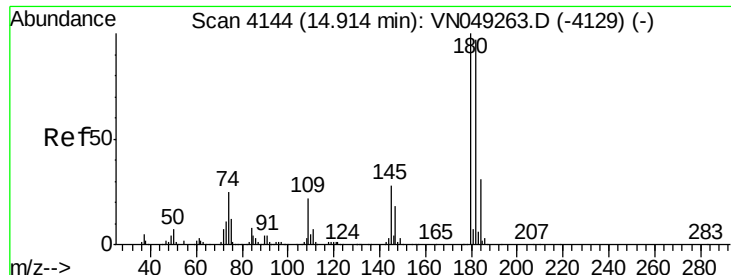


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

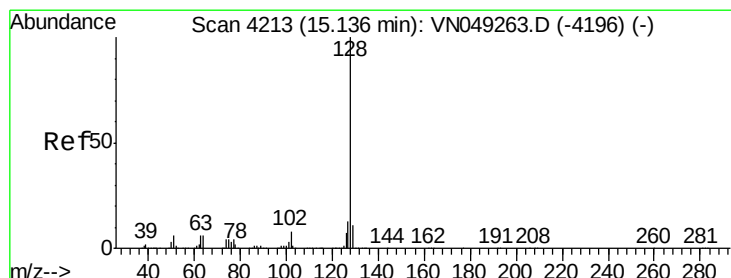
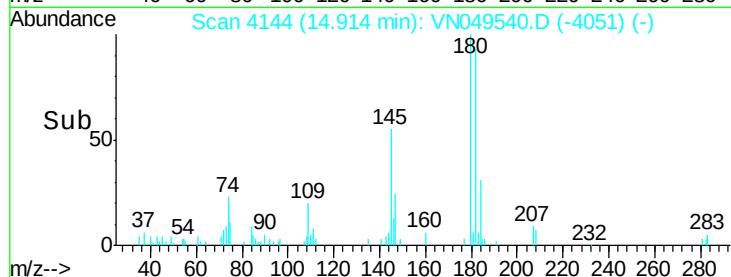
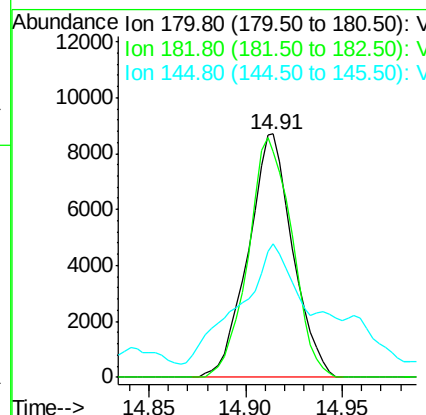
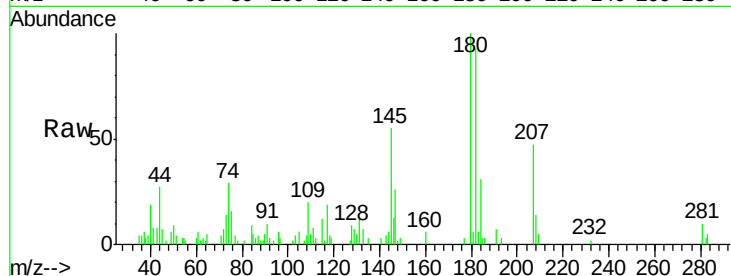




#93
 1,2,4-Trichlorobenzene
 Concen: 6.09 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049540.D
 Acq: 26 Jun 2018 4:45

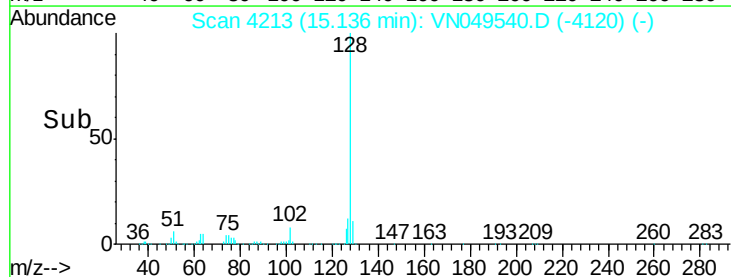
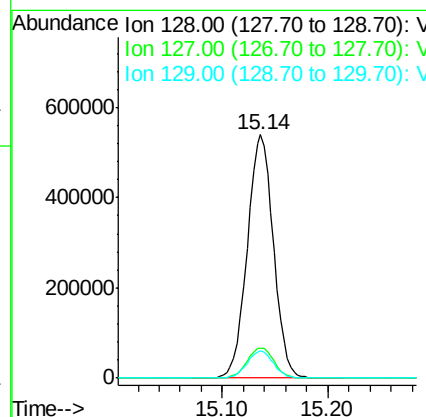
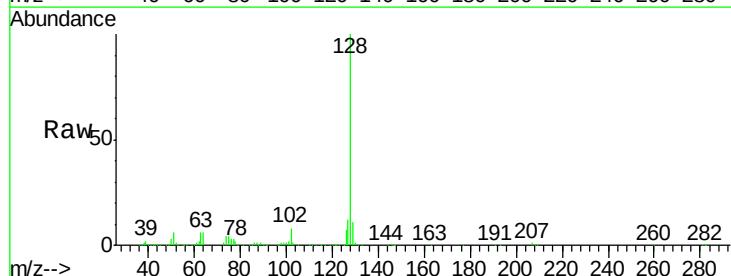
Instrument :
 MSVOA_N
 ClientSampled :
 RO-5-8

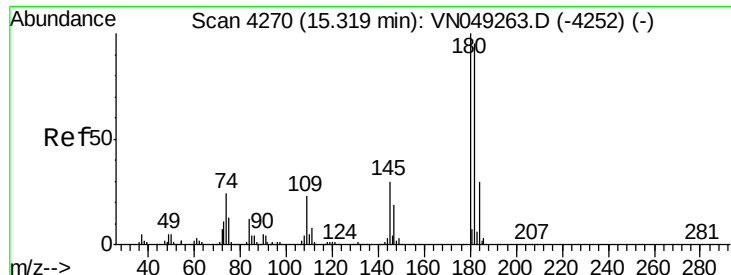
Tot Ion:180 Resp: 13938
 Ion Ratio Lower Upper
 180 100
 182 97.0 46.9 140.8
 145 74.8 14.7 44.1#



#95
 Naphthalene
 Concen: 54.94 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN049540.D
 Acq: 26 Jun 2018 4:45

Tgt Ion:128 Resp: 926970
 Ion Ratio Lower Upper
 128 100
 127 12.8 10.6 16.0
 129 11.0 8.5 12.7





#96
 1,2,3-Trichlorobenzene
 Concen: 3.90 ug/l
 RT: 15.32 min Scan# 4270
 Delta R.T. 0.00 min
 Lab File: VN049540.D
 Acq: 26 Jun 2018 4:45

Instrument :
 MSVOA_N
 ClientSampleId :
 RO-5-8

Tot Ion:180 Resp: 4342
 Ion Ratio Lower Upper
 180 100
 182 85.9 47.3 141.8
 145 0.0 15.6 46.7#

