

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 06:37:16 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%	

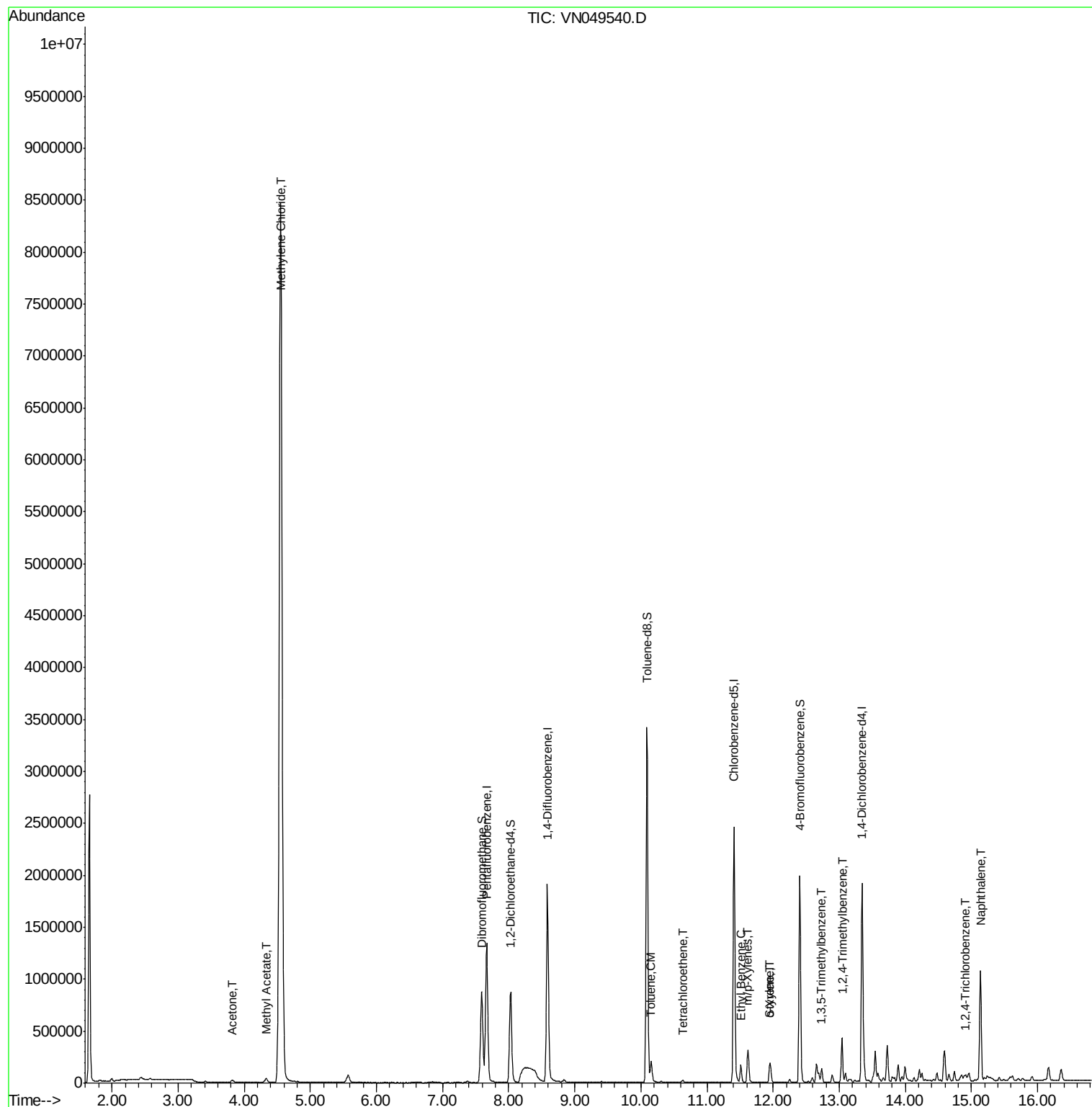
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	36166	9.78	ug/l #	79
18) Methyl Acetate	4.33	43	76106	6.75	ug/l	96
20) Methylene Chloride	4.55	84	6487469	420.24	ug/l	91
52) Toluene	10.16	92	79779	2.16	ug/l	97
64) Tetrachloroethene	10.63	164	5166	0.34	ug/l #	83
67) Ethyl Benzene	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
80) 1,3,5-Trimethylbenzene	12.73	105	67985	1.81	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	239036	6.39	ug/l	98
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

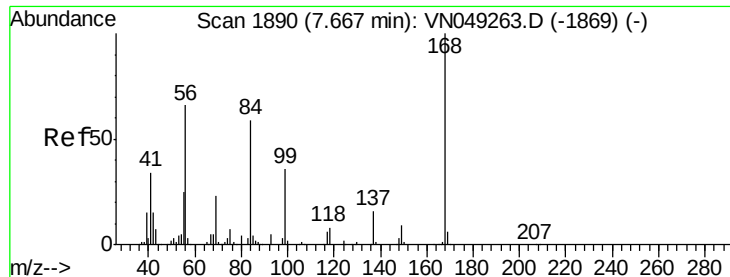
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#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

ClientSampleId :

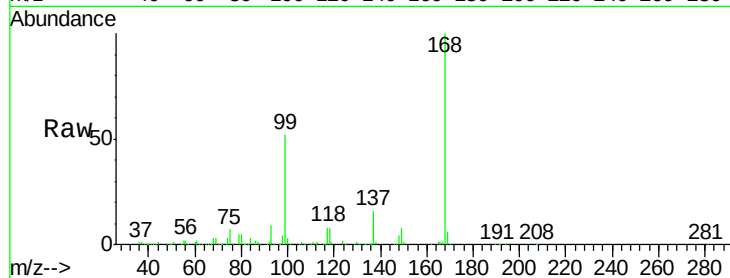
RO-5-8

Tot Ion:168 Resp: 1147769

Ion Ratio Lower Upper

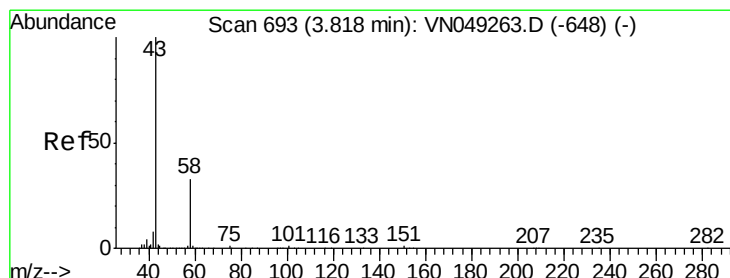
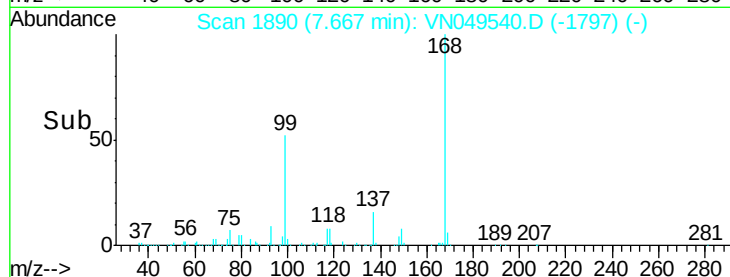
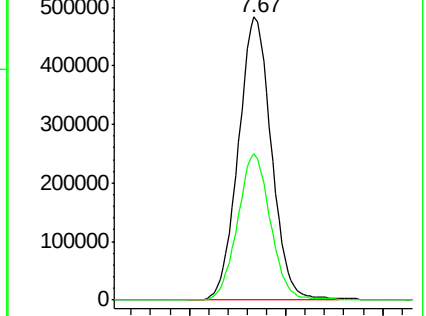
168 100

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



#16

Acetone

Concen: 9.78 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN049540.D

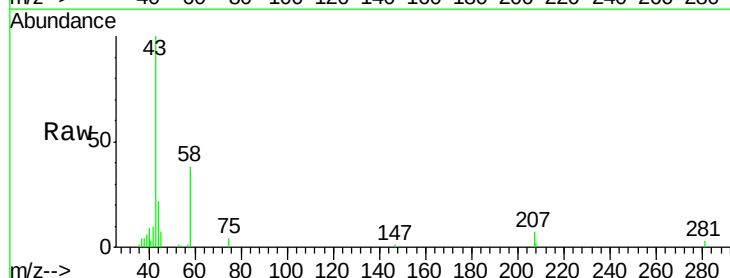
Acq: 26 Jun 2018 4:45

Tgt Ion: 43 Resp: 36166

Ion Ratio Lower Upper

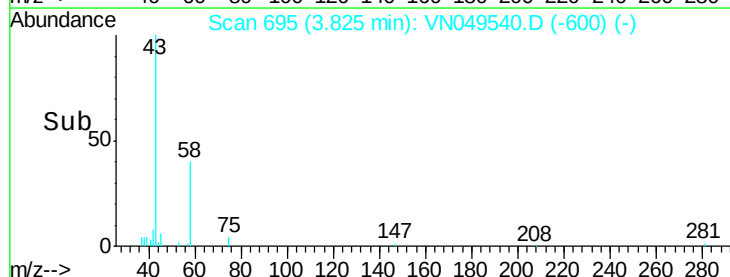
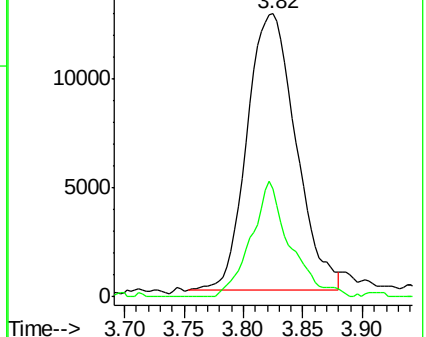
43 100

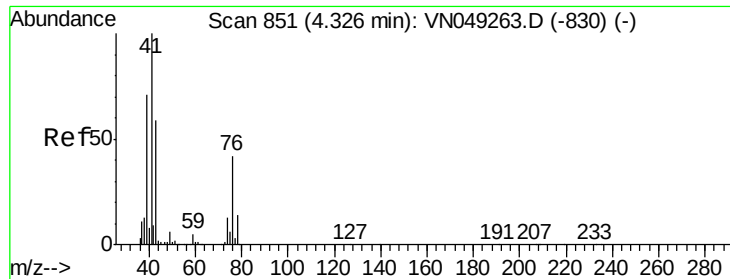
58 39.2 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

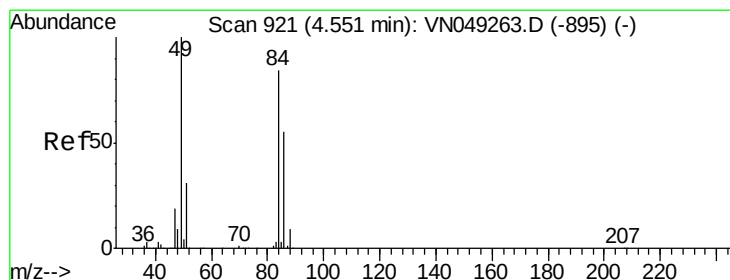
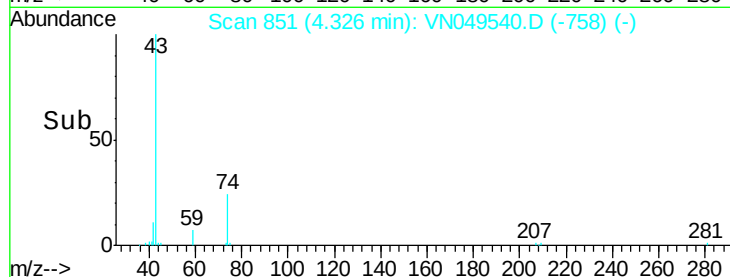
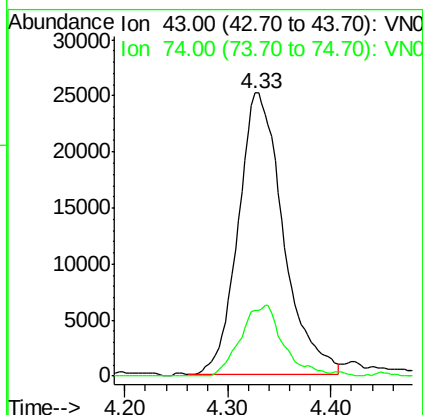
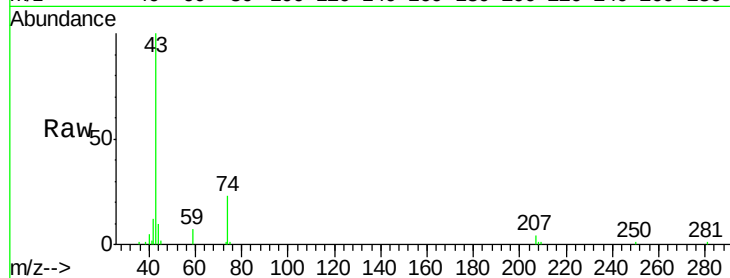




#18
Methvl Acetate
Concen: 6.75 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN049540.D
Acq: 26 Jun 2018 4:45

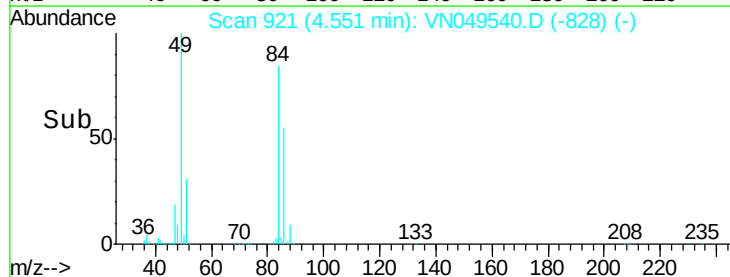
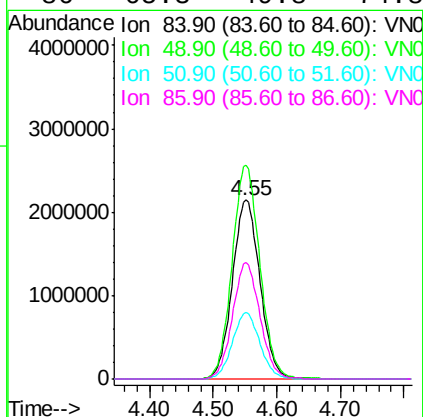
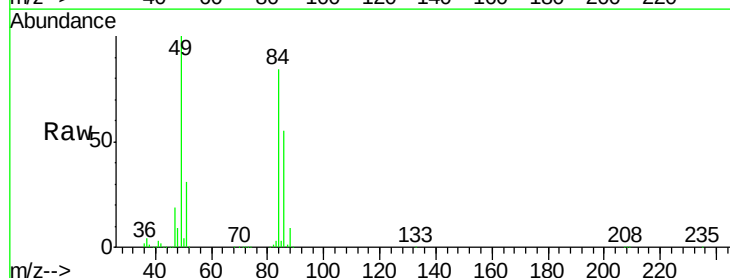
Instrument :
MSVOA_N
ClientSampled :
RO-5-8

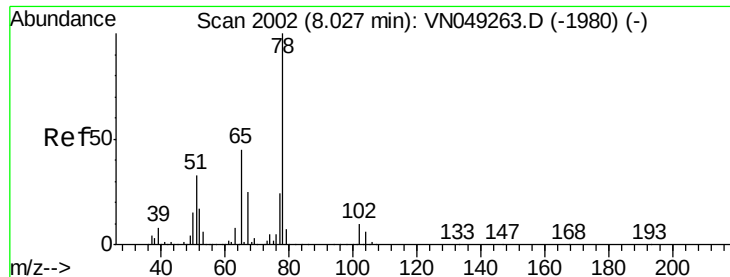
Tot Ion: 43 Resp: 76106
Ion Ratio Lower Upper
43 100
74 23.6 17.4 26.0



#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

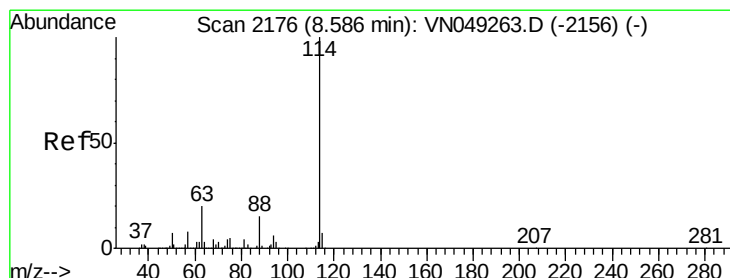
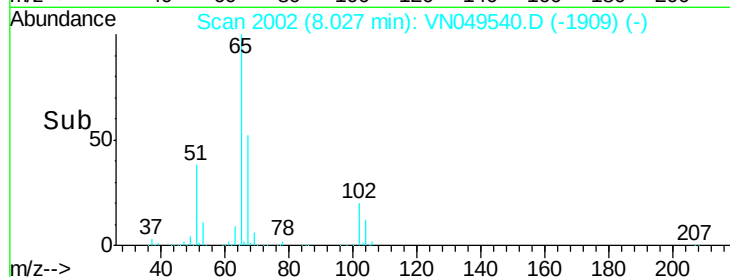
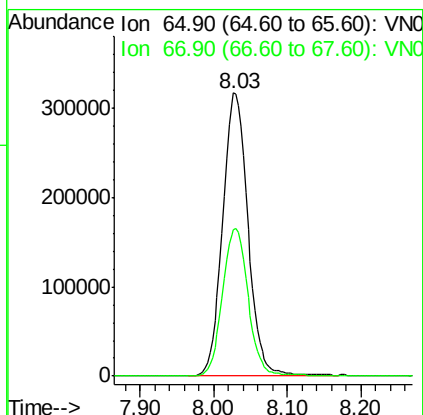
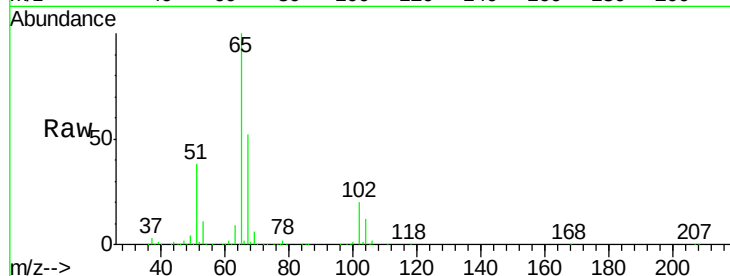




#33
 1,2-Dichloroethane-d4
 Concen: 49.95 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049540.D
 Acq: 26 Jun 2018 4:45

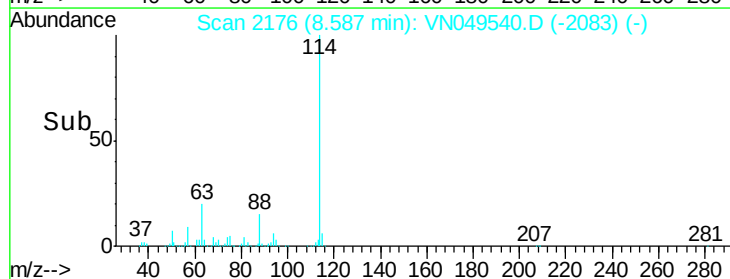
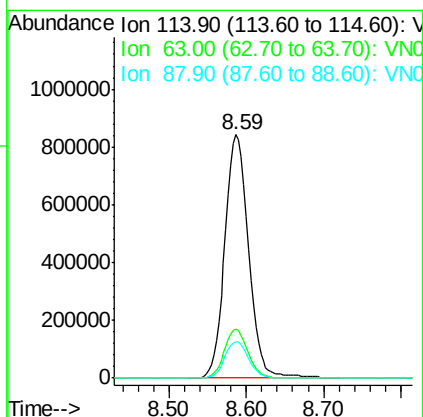
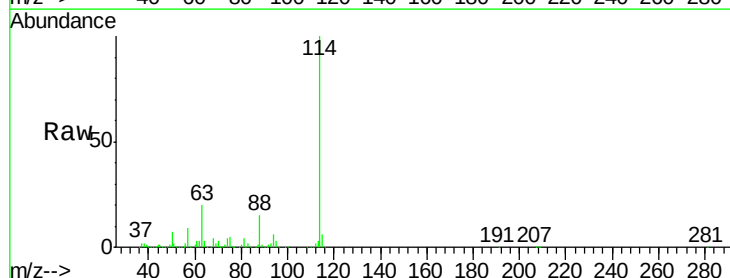
Instrument :
 MSVOA_N
 ClientSampled :
 RO-5-8

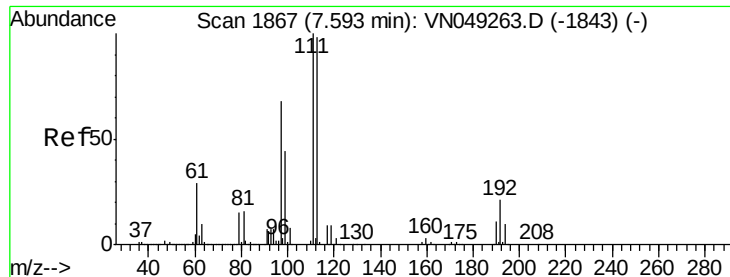
Tot Ion: 65 Resp: 760434
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 103.8



#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

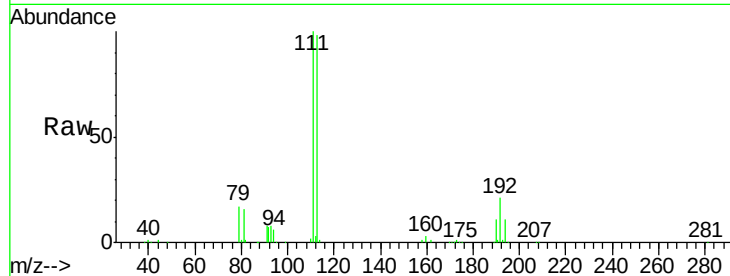
Tot Ion:113 Resp: 682041

Ion Ratio Lower Upper

113 100

111 102.3 82.4 123.6

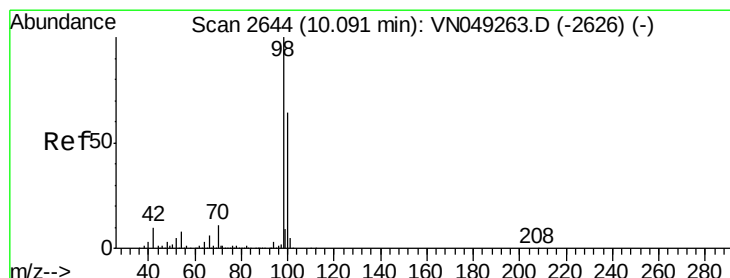
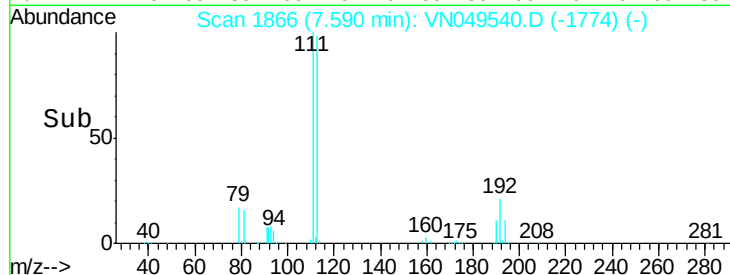
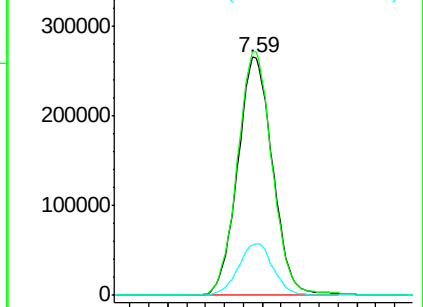
192 21.6 15.0 22.6



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



#50

Toluene-d8

Concen: 44.39 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049540.D

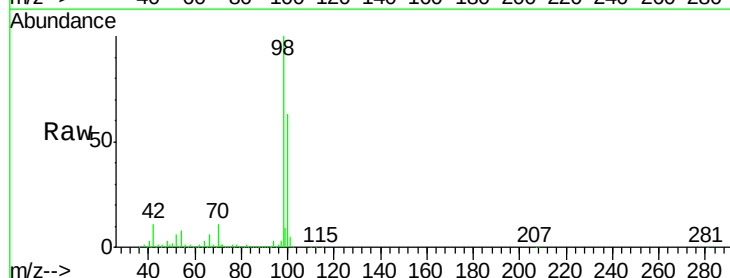
Acq: 26 Jun 2018 4:45

Tgt Ion: 98 Resp: 2454756

Ion Ratio Lower Upper

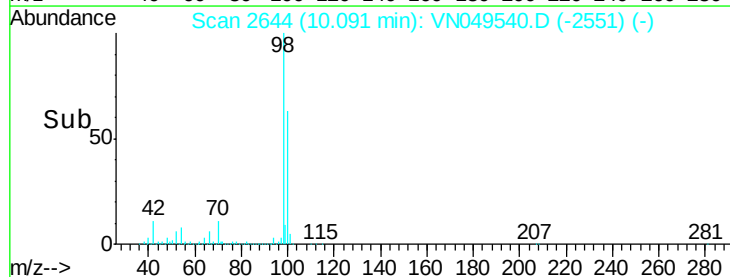
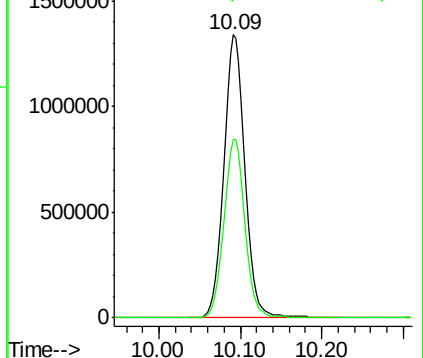
98 100

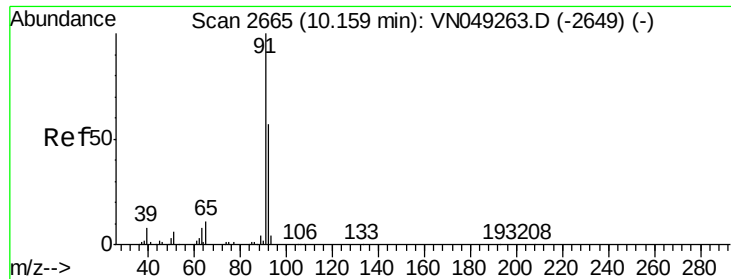
100 63.1 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#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 :

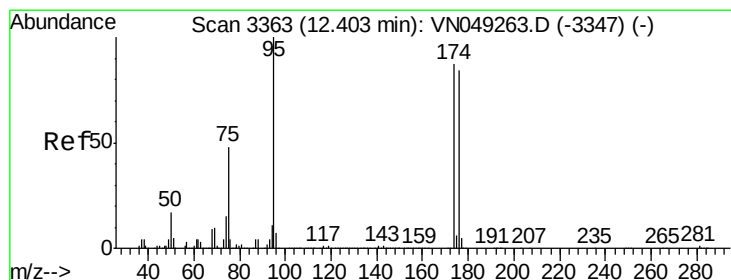
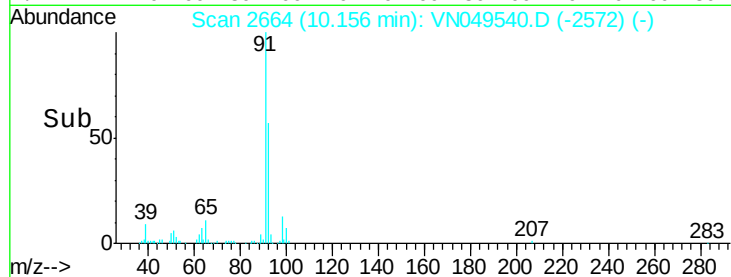
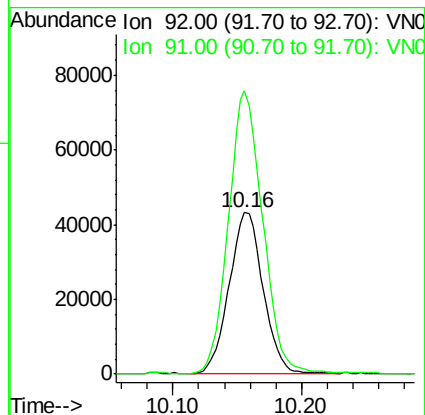
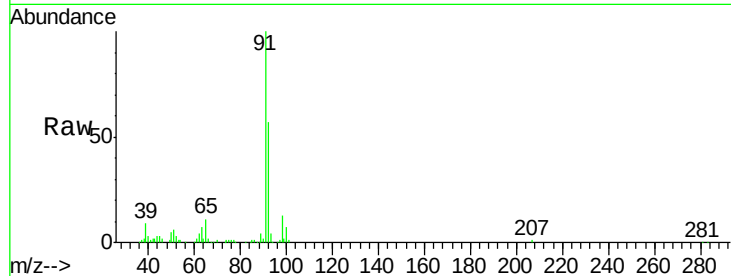
RO-5-8

Tot Ion: 92 Resp: 79779

Ion Ratio Lower Upper

92 100

91 175.5 143.4 215.2



#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

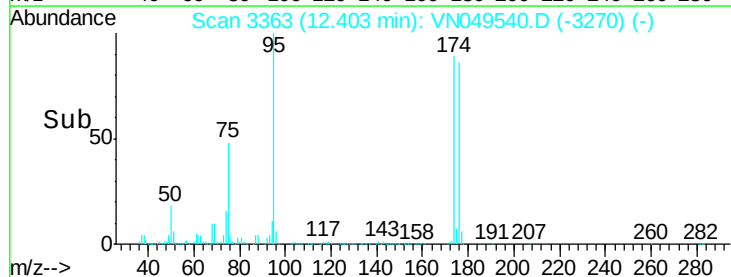
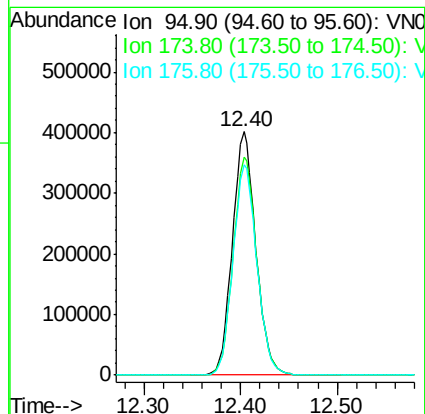
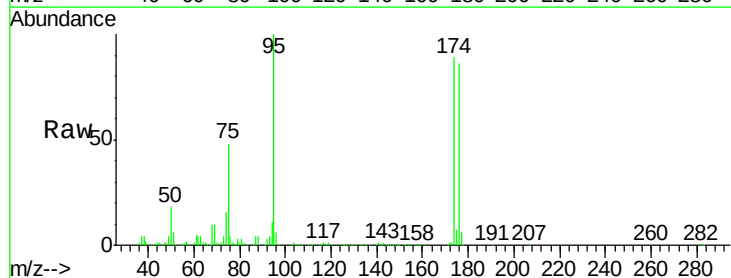
Tgt Ion: 95 Resp: 675645

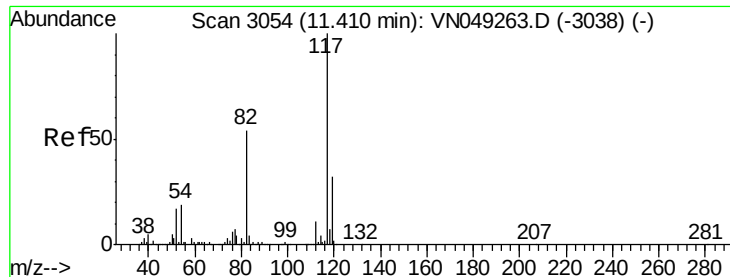
Ion Ratio Lower Upper

95 100

174 90.6 0.0 165.6

176 87.9 0.0 157.4

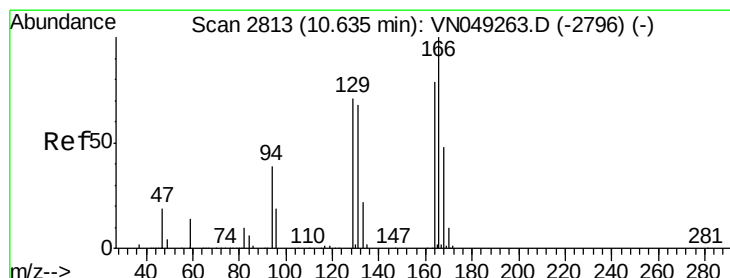
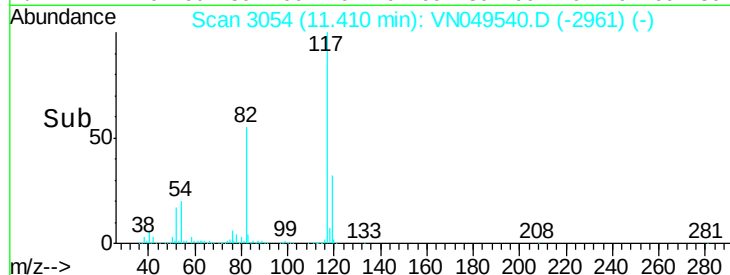
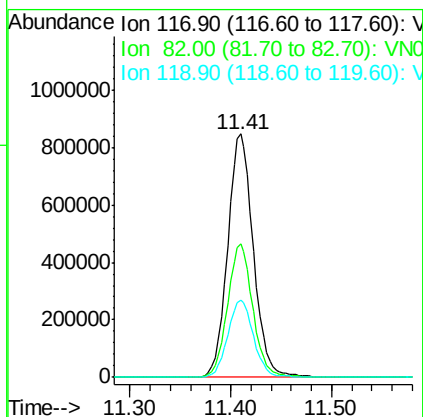
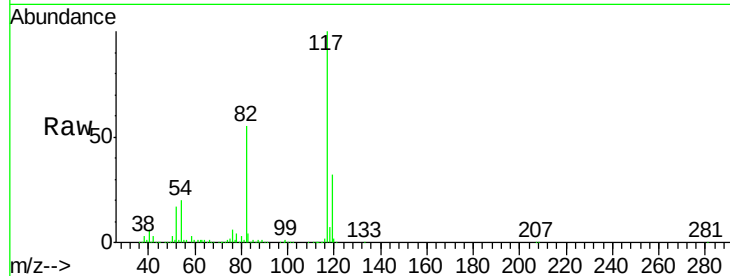




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049540.D
Acq: 26 Jun 2018 4:45

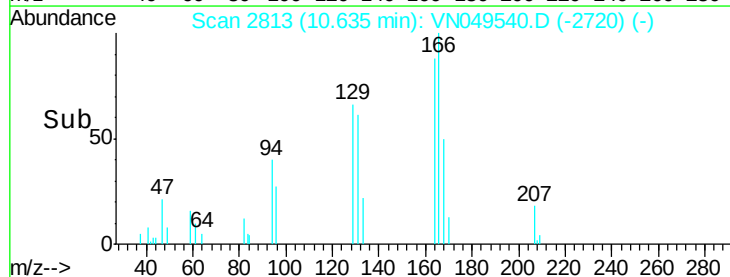
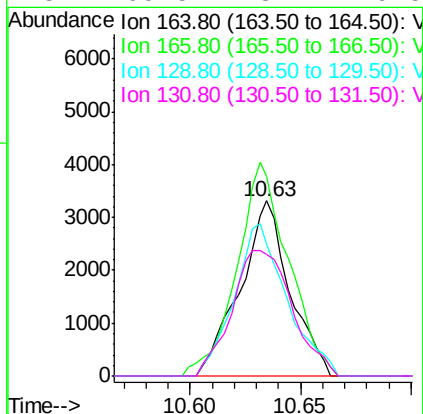
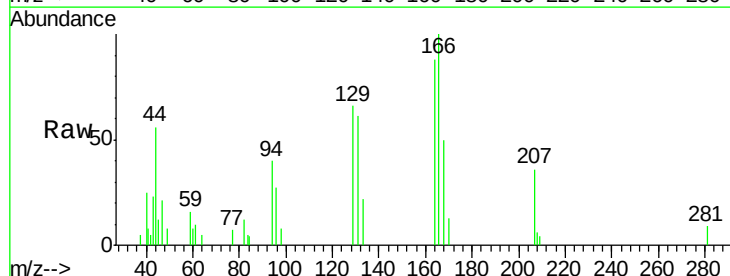
Instrument :
MSVOA_N
ClientSampled :
RO-5-8

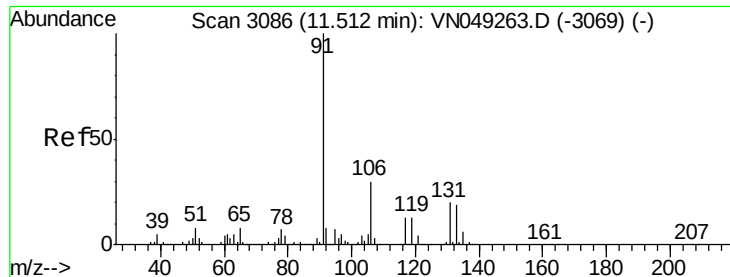
Tot Ion:117 Resp: 1501031
Ion Ratio Lower Upper
117 100
82 54.8 45.9 68.9
119 31.9 25.5 38.3



#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

Tgt 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#

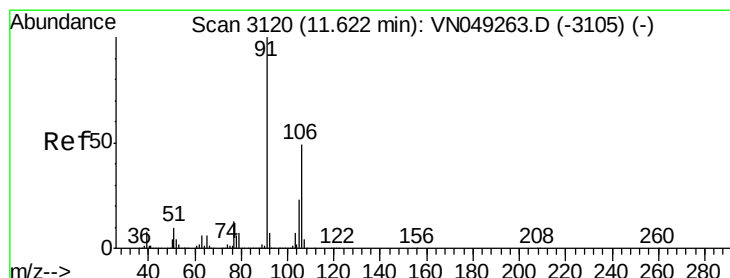
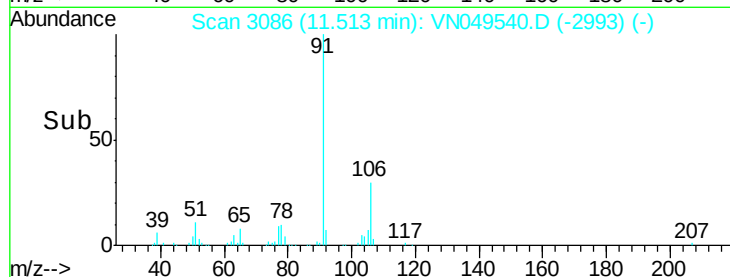
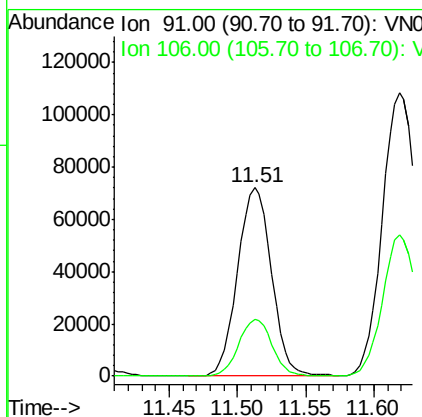
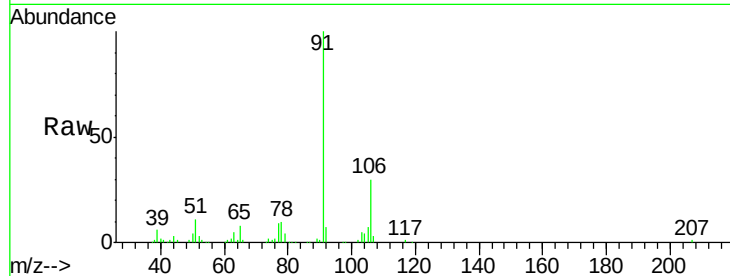




#67
Ethyl Benzene
Concen: 1.95 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049540.D
Acq: 26 Jun 2018 4:45

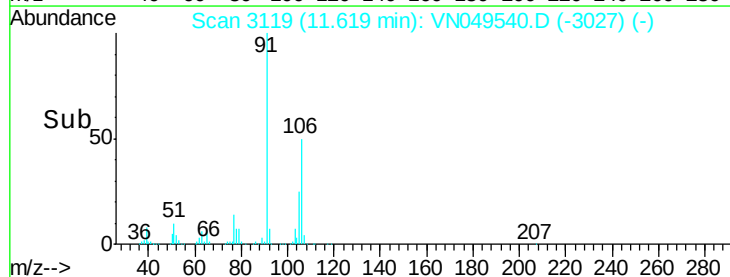
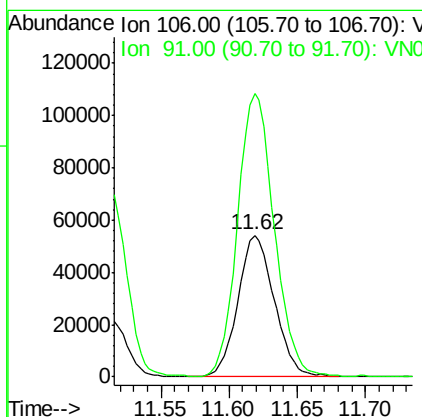
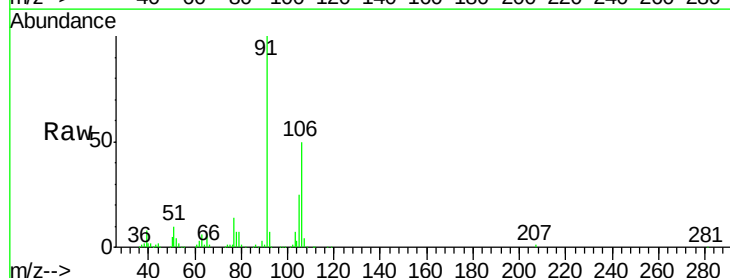
Instrument :
MSVOA_N
ClientSampled :
RO-5-8

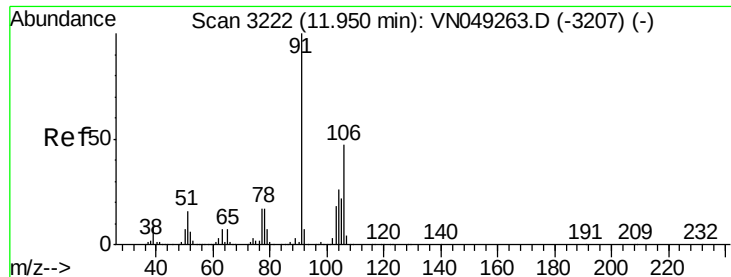
Tot Ion: 91 Resp: 125196
Ion Ratio Lower Upper
91 100
106 29.8 23.9 35.9



#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

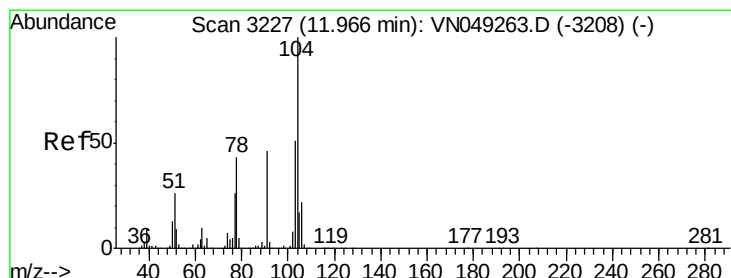
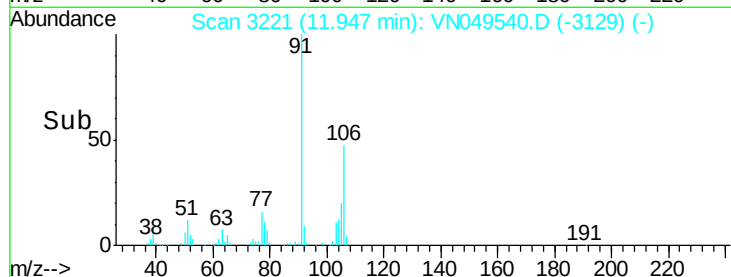
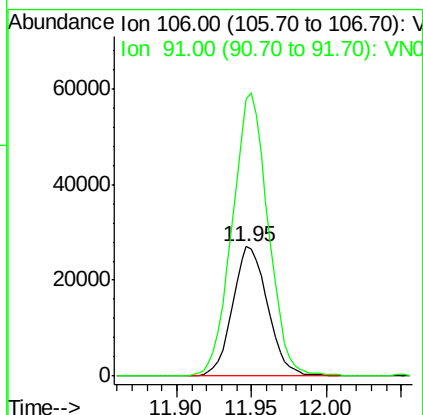
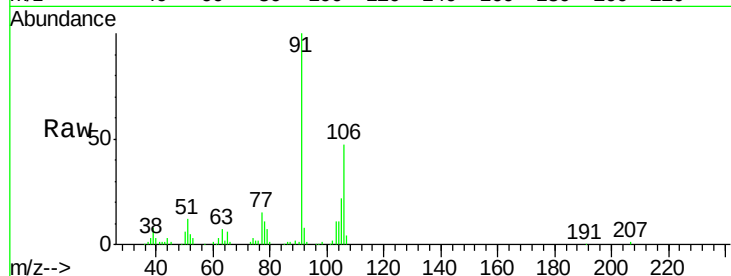




#69
o-Xylene
Concen: 1.91 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN049540.D
Acq: 26 Jun 2018 4:45

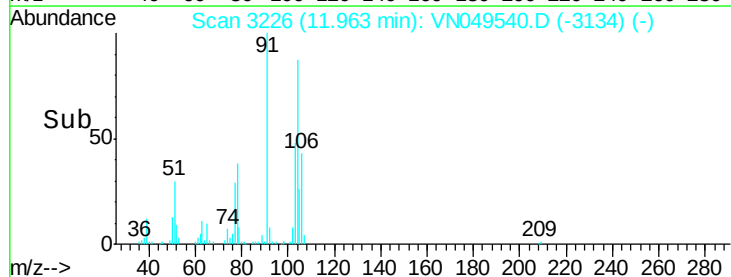
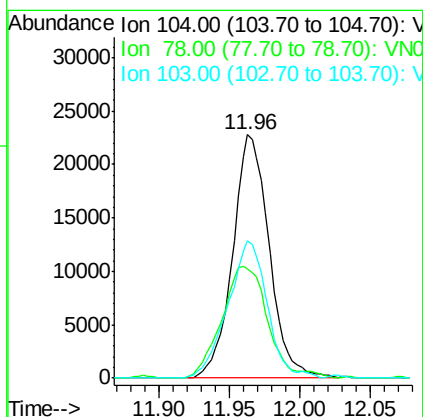
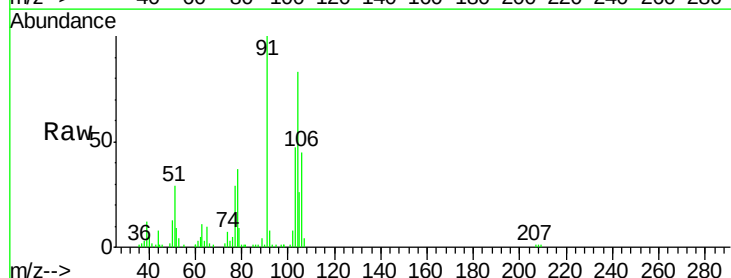
Instrument :
MSVOA_N
ClientSampled :
RO-5-8

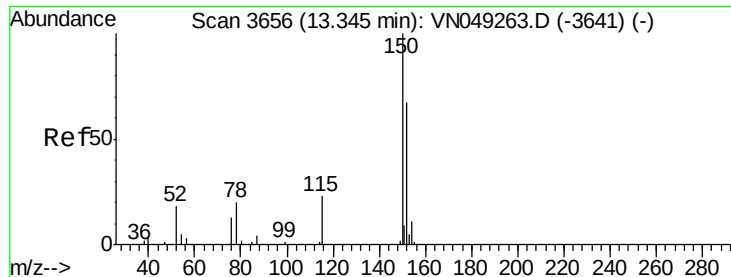
Tot Ion:106 Resp: 44264
Ion Ratio Lower Upper
106 100
91 223.3 111.0 333.0



#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





#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

ClientSampleId :

RO-5-8

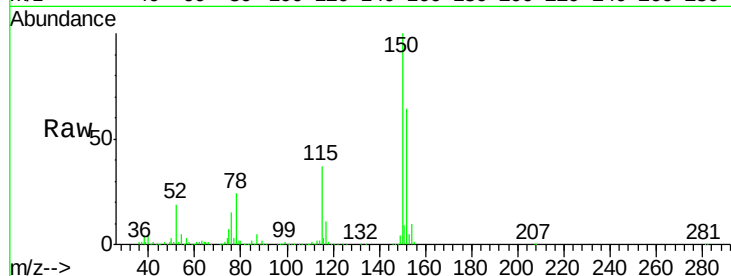
Tot Ion:152 Resp: 545298

Ion Ratio Lower Upper

152 100

115 57.8 28.7 86.1

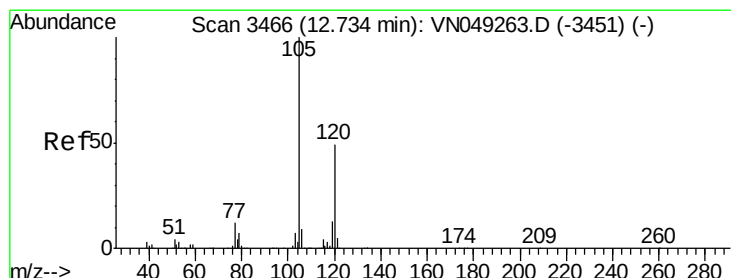
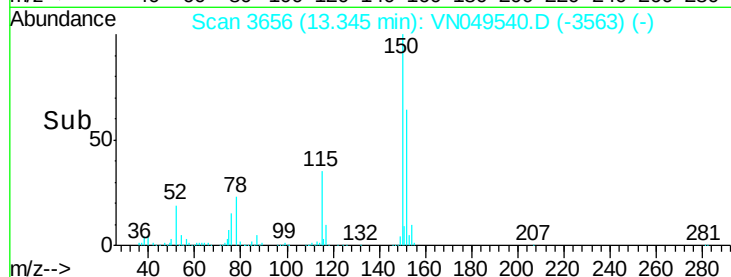
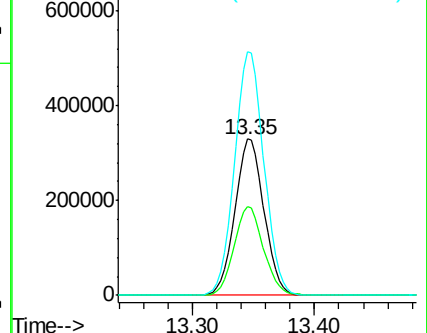
150 157.6 0.0 351.0



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



#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

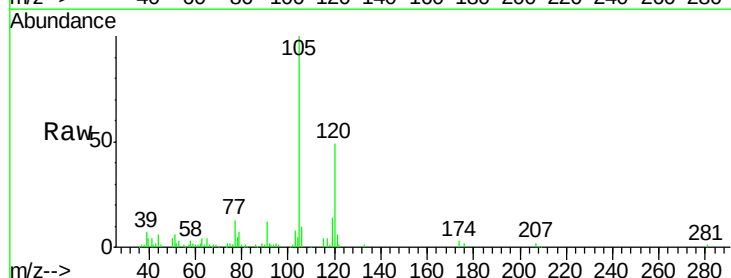
Acq: 26 Jun 2018 4:45

Tgt Ion:105 Resp: 67985

Ion Ratio Lower Upper

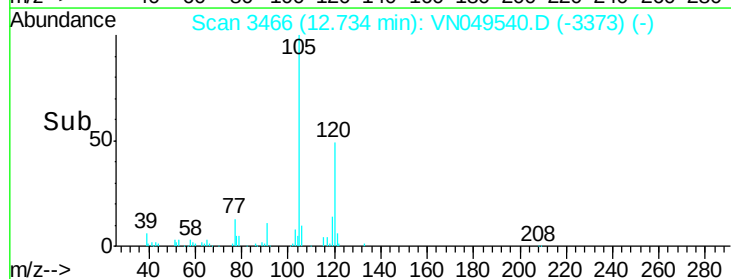
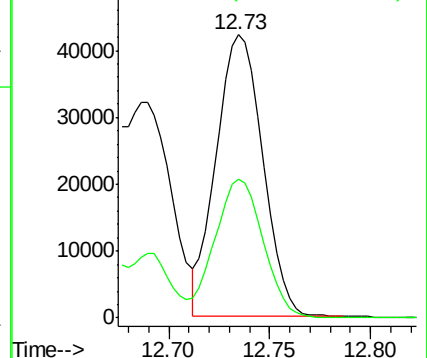
105 100

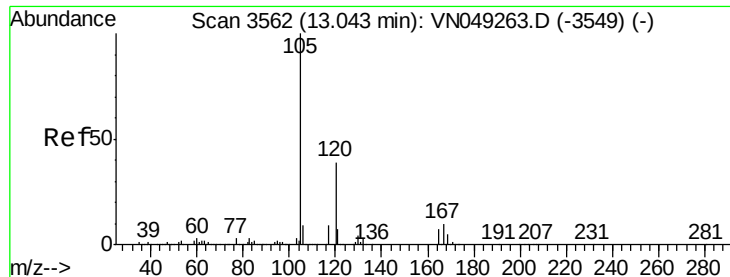
120 50.9 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#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 :

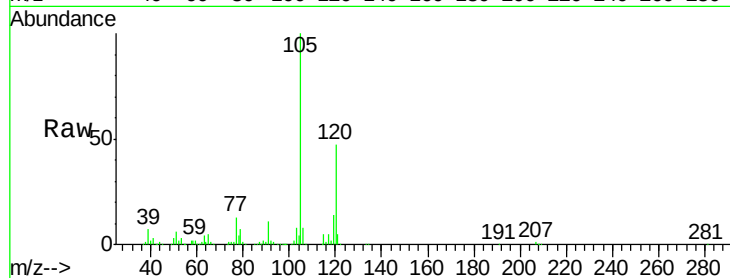
RO-5-8

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

13.04

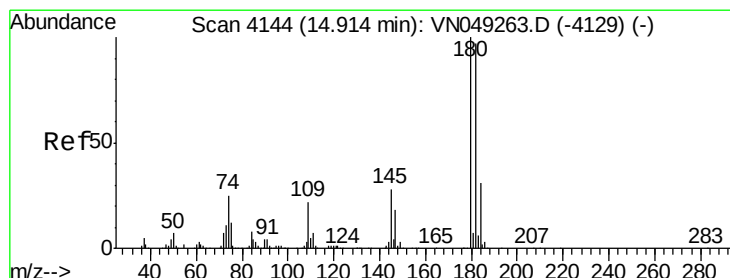
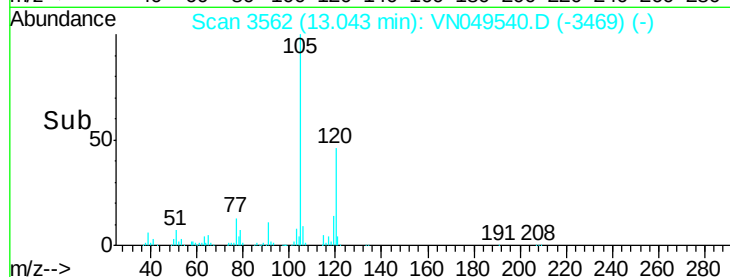
150000

100000

50000

0

Time--> 12.95 13.00 13.05 13.10



#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

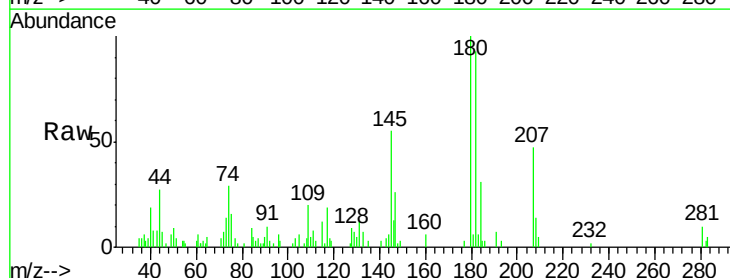
Tgt Ion:180 Resp: 13938

Ion Ratio Lower Upper

180 100

182 97.0 46.9 140.8

145 74.8 14.7 44.1#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

14.91

12000

10000

8000

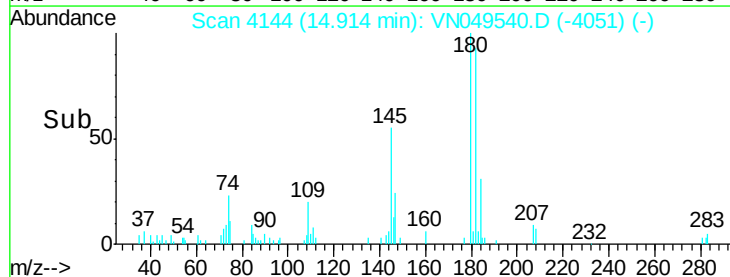
6000

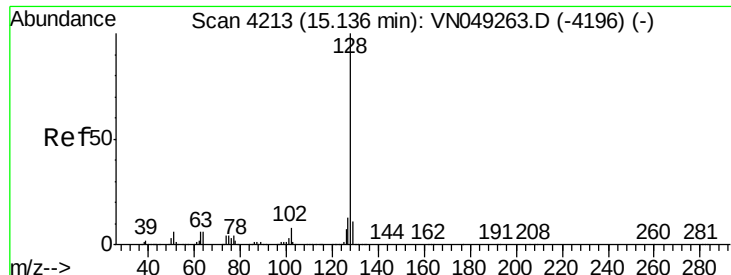
4000

2000

0

Time--> 14.85 14.90 14.95

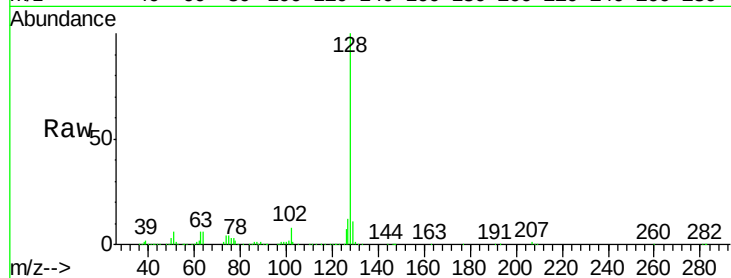




#95
Naphthalene
Concen: 54.94 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049540.D
Acq: 26 Jun 2018 4:45

Instrument :
MSVOA_N
ClientSampleId :
RO-5-8

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	16.0
129	11.0	8.5	12.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

