

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052618\
 Data File : VX002054.D
 Acq On : 27 May 2018 07:50
 Operator : JC/MD
 Sample : J3130-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-5-WC-1

Quant Time: May 28 05:58:28 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

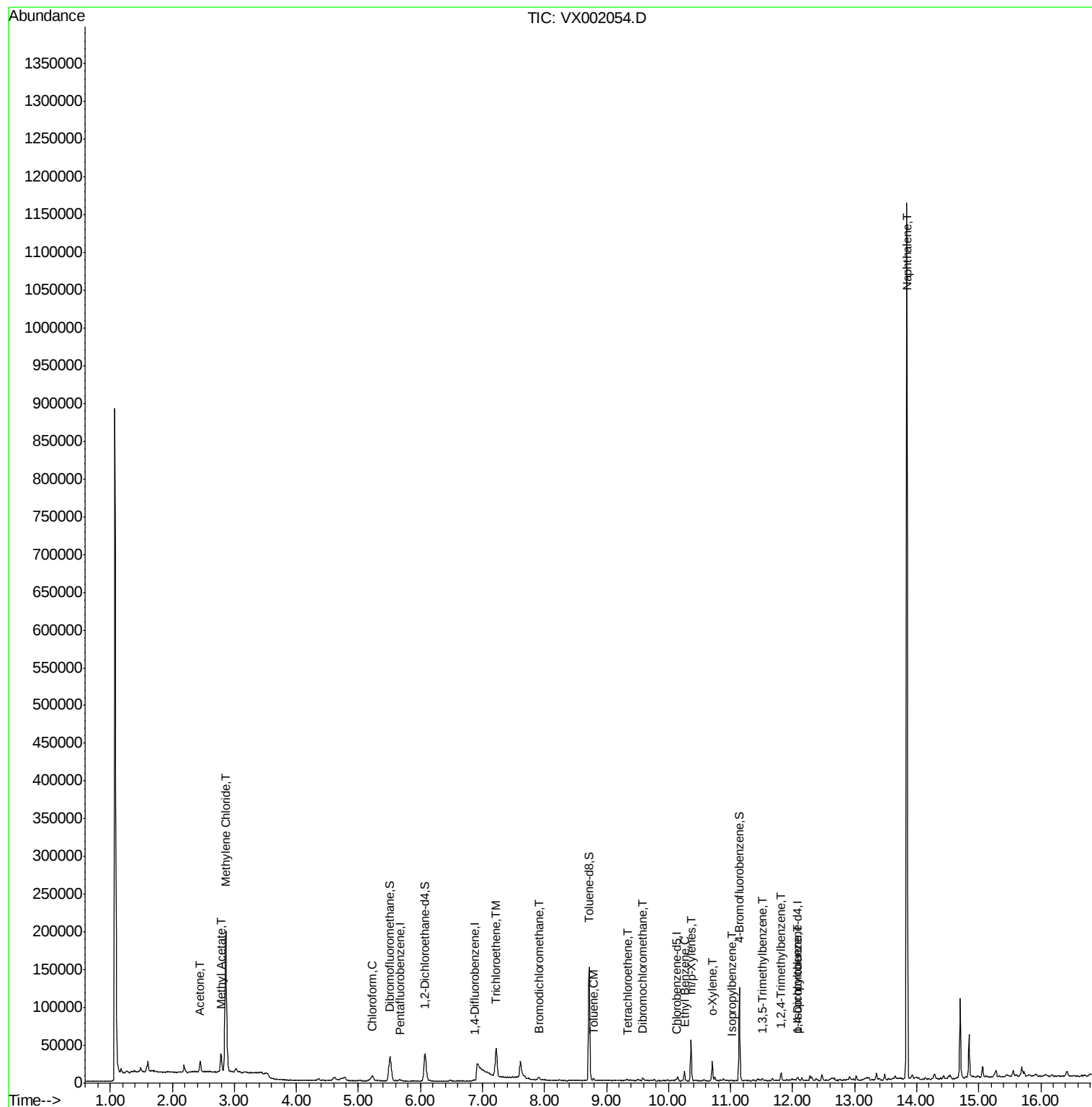
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	1350	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	1567	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	942	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	780	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	34870	1445.01	ug/l	0.00
Spiked Amount 50.000			Recovery	= 2890.02%		
35) Dibromofluoromethane	5.51	113	24980	1594.12	ug/l	0.00
Spiked Amount 50.000			Recovery	= 3188.24%		
50) Toluene-d8	8.72	98	85922	1514.55	ug/l	0.00
Spiked Amount 50.000			Recovery	= 3029.10%		
62) 4-Bromofluorobenzene	11.14	95	30755	1385.58	ug/l	0.00
Spiked Amount 50.000			Recovery	= 2771.16%		
Target Compounds						Qvalue
16) Acetone	2.45	43	16090	1727.69	ug/l	94
18) Methyl Acetate	2.78	43	28000	1275.93	ug/l	94
20) Methylene Chloride	2.86	84	82674	5302.21	ug/l	100
30) Chloroform	5.23	83	7409	206.06	ug/l	84
44) Trichloroethene	7.22	130	13820	742.68	ug/l	97
47) Bromodichloromethane	7.91	83	2000	81.70	ug/l	86
52) Toluene	8.79	92	1030	25.35	ug/l	90
60) Dibromochloromethane	9.59	129	492	24.47	ug/l	95
64) Tetrachloroethene	9.34	164	145	10.74	ug/l #	82
67) Ethyl Benzene	10.26	91	5913	114.03	ug/l	95
68) m/p-Xylenes	10.36	106	11749	592.73	ug/l	99
69) o-Xylene	10.70	106	5367	271.17	ug/l	98
73) Isopropylbenzene	11.02	105	560	8.48	ug/l	85
80) 1,3,5-Trimethylbenzene	11.51	105	1370	24.27	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	3643	62.45	ug/l	94
86) p-Isopropyltoluene	12.07	119	1008	16.92	ug/l #	78
95) Naphthalene	13.84	128	688182	9768.83	ug/l	100

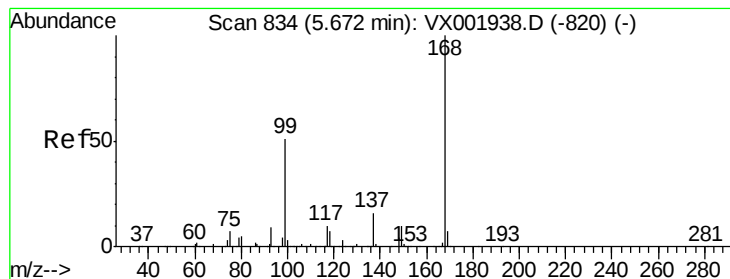
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002054.D

Acq: 27 May 2018 07:50

Instrument :

MSVOA_X

ClientSampleId :

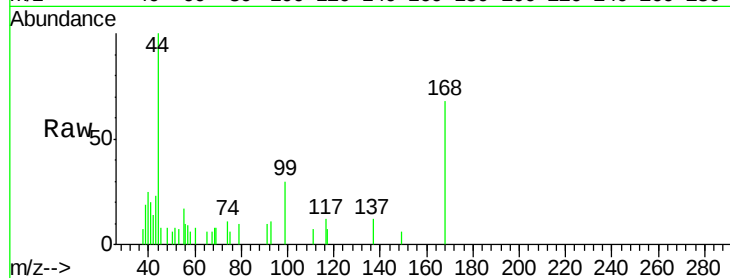
TP-5-WC-1

Tot Ion:168 Resp: 1350

Ion Ratio Lower Upper

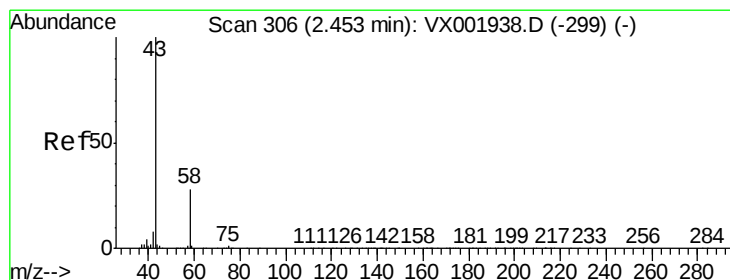
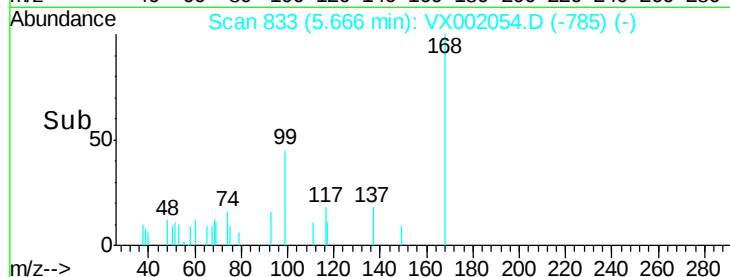
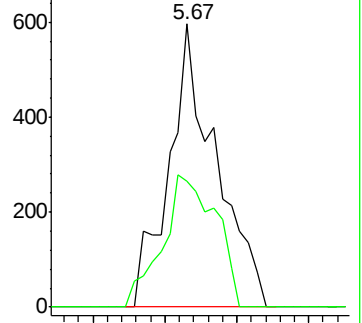
168 100

99 44.6 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 1727.69 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002054.D

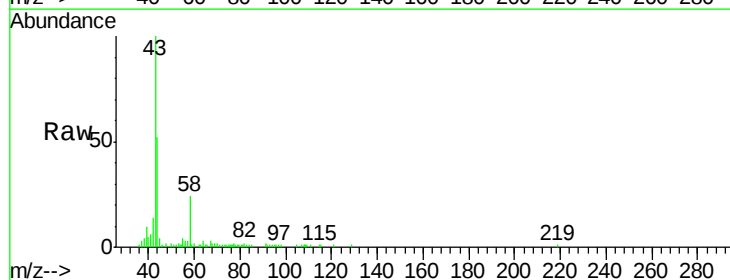
Acq: 27 May 2018 07:50

Tgt Ion: 43 Resp: 16090

Ion Ratio Lower Upper

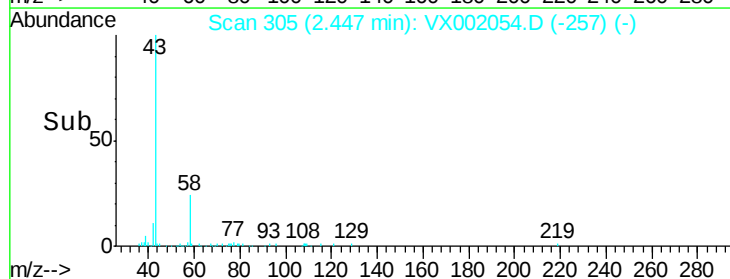
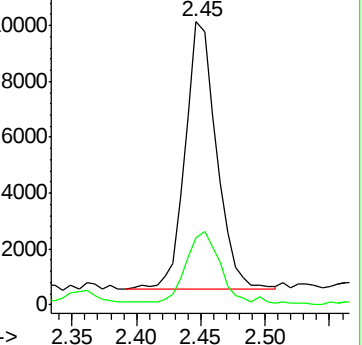
43 100

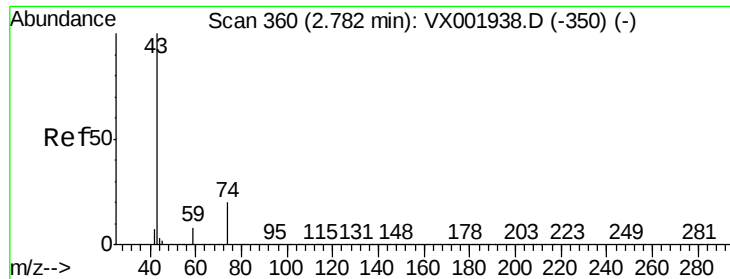
58 24.7 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

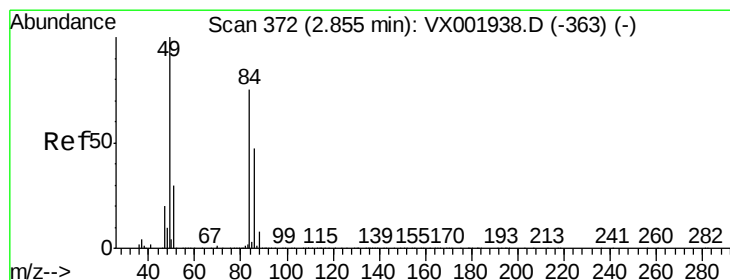
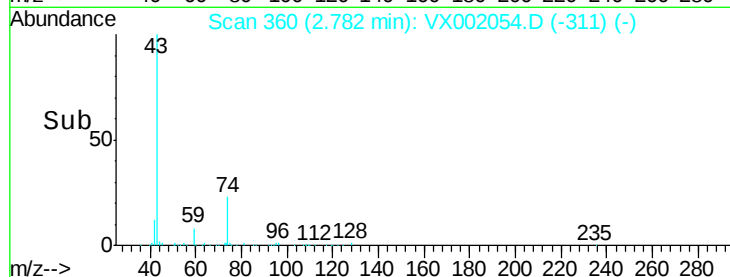
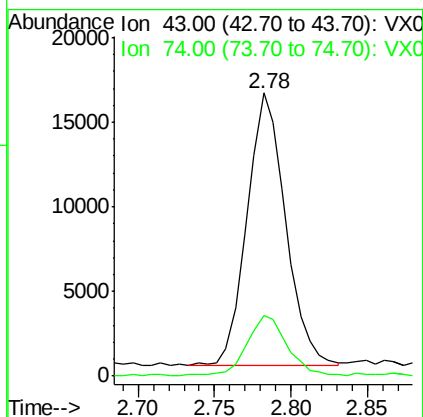
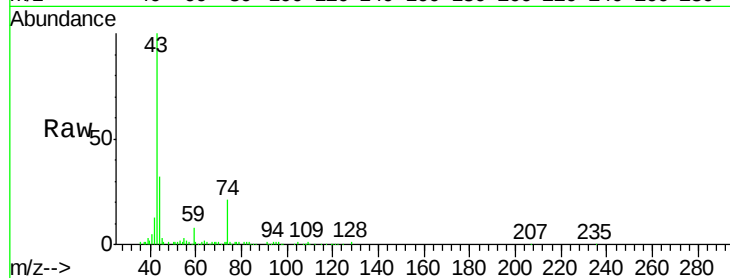




#18
Methvl Acetate
Concen: 1275.93 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002054.D
Acq: 27 May 2018 07:50

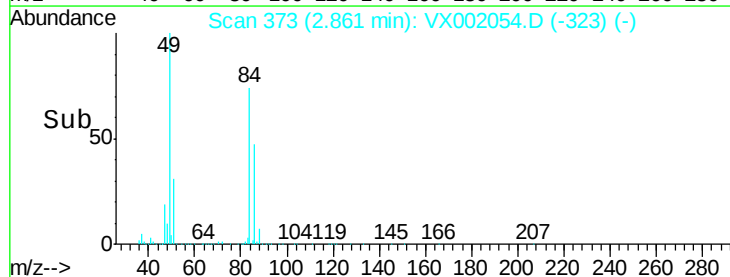
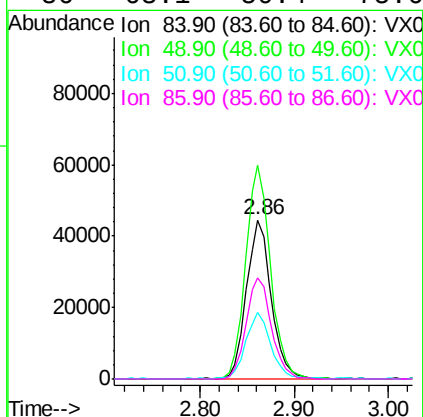
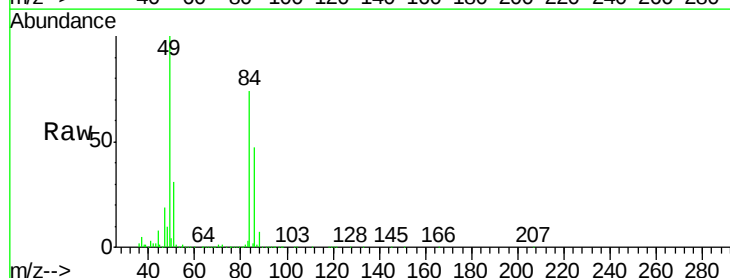
Instrument :
MSVOA_X
ClientSampleId :
TP-5-WC-1

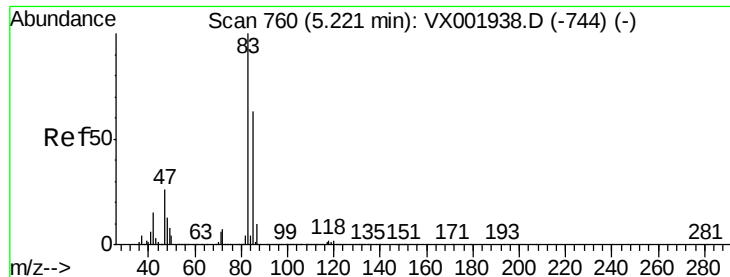
Tot Ion: 43 Resp: 28000
Ion Ratio Lower Upper
43 100
74 23.7 16.8 25.2



#20
Methylene Chloride
Concen: 5302.21 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002054.D
Acq: 27 May 2018 07:50

Tgt Ion: 84 Resp: 82674
Ion Ratio Lower Upper
84 100
49 134.3 107.2 160.8
51 41.1 32.4 48.6
86 63.1 50.4 75.6





#30

Chloroform

Concen: 206.06 ug/l

RT: 5.23 min Scan# 761

Delta R.T. 0.01 min

Lab File: VX002054.D

Acq: 27 May 2018 07:50

Instrument :

MSVOA_X

ClientSampled :

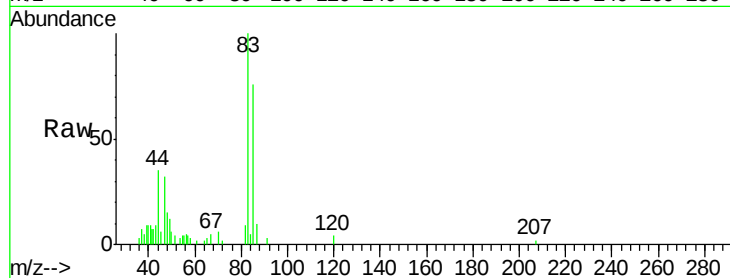
TP-5-WC-1

Tot Ion: 83 Resp: 7409

Ion Ratio Lower Upper

83 100

85 76.3 50.9 76.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

5.23

2500

2000

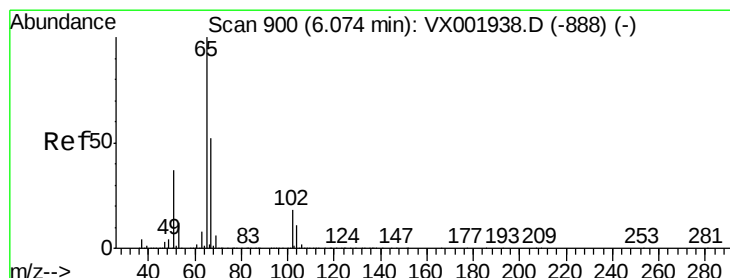
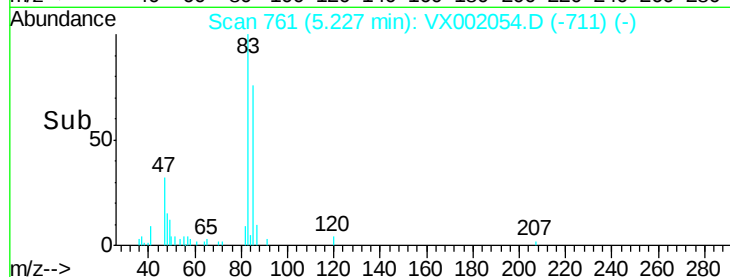
1500

1000

500

0

Time--> 5.10 5.20 5.30



#33

1,2-Dichloroethane-d4

Concen: 1445.01 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002054.D

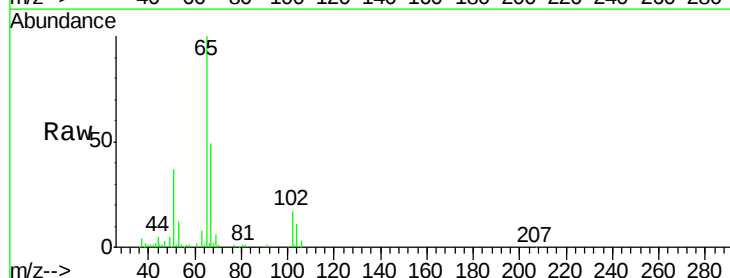
Acq: 27 May 2018 07:50

Tgt Ion: 65 Resp: 34870

Ion Ratio Lower Upper

65 100

67 50.0 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

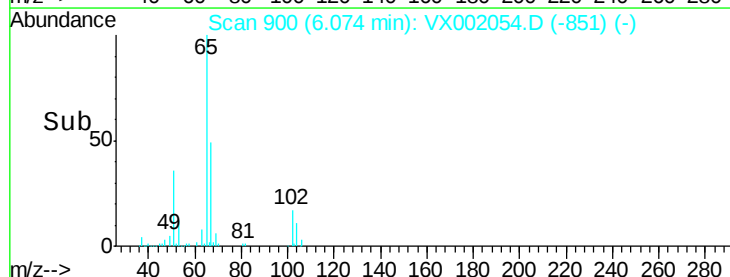
15000

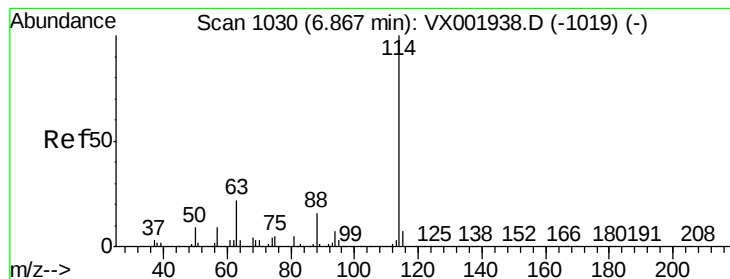
10000

5000

0

Time--> 6.00 6.10 6.20





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002054.D

Acq: 27 May 2018 07:50

Instrument :

MSVOA_X

ClientSampleId :

TP-5-WC-1

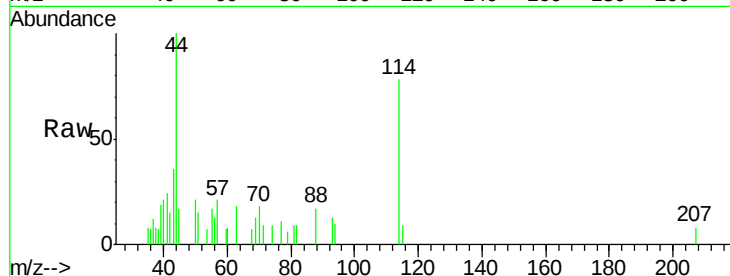
Tot Ion:114 Resp: 1567

Ion Ratio Lower Upper

114 100

63 23.1 0.0 43.2

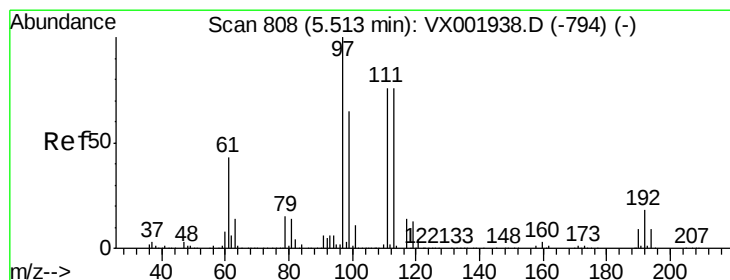
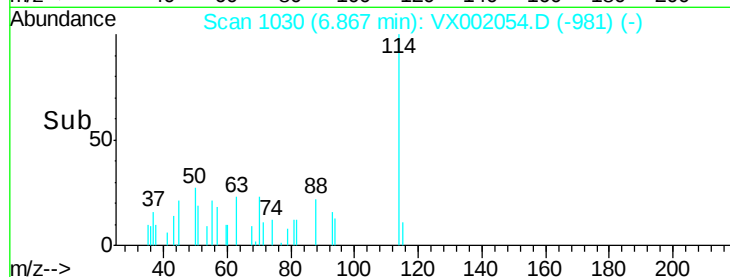
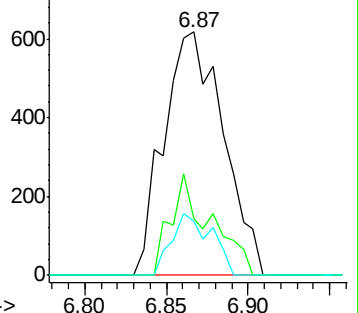
88 22.2 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 1594.12 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX002054.D

Acq: 27 May 2018 07:50

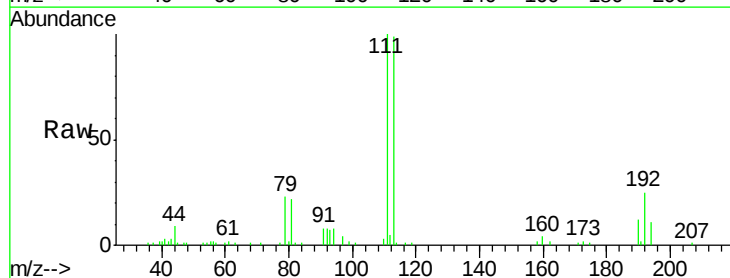
Tgt Ion:113 Resp: 24980

Ion Ratio Lower Upper

113 100

111 103.1 82.0 123.0

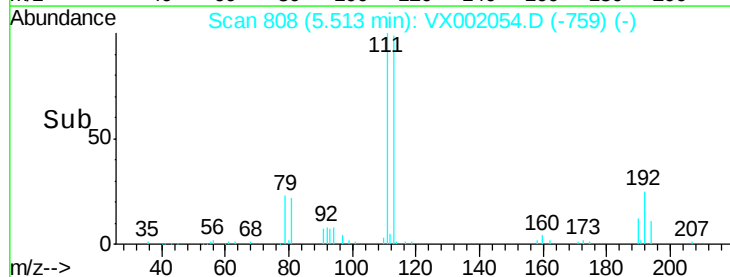
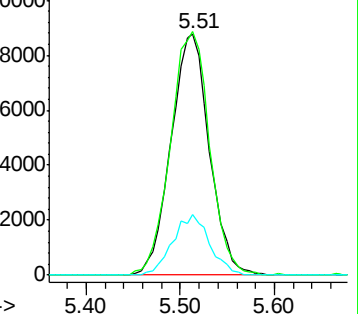
192 24.1 18.9 28.3

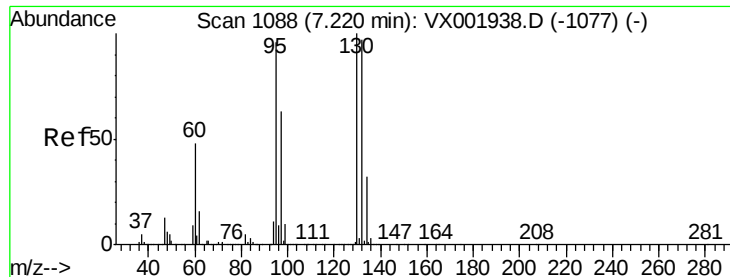


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 742.68 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX002054.D

Acq: 27 May 2018 07:50

Instrument :

MSVOA_X

ClientSampleId :

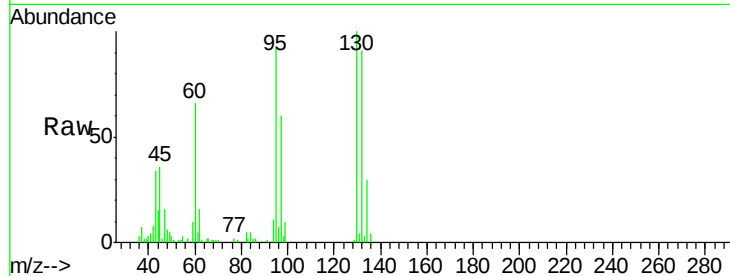
TP-5-WC-1

Tot Ion:130 Resp: 13820

Ion Ratio Lower Upper

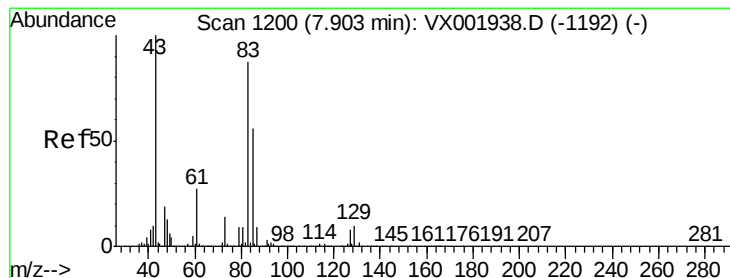
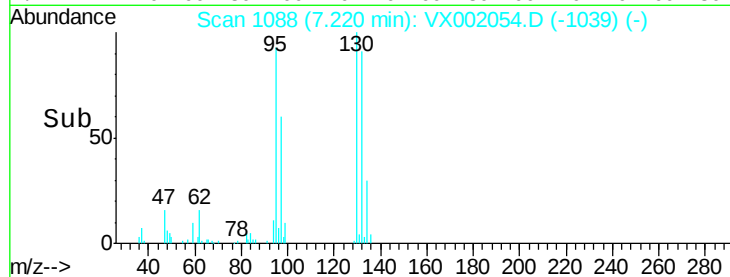
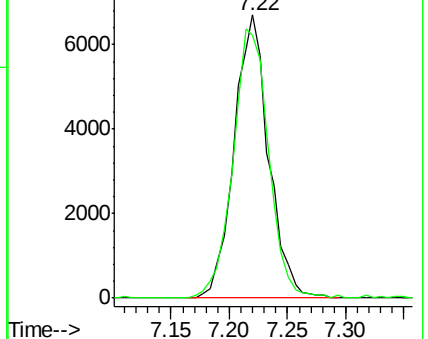
130 100

95 93.1 0.0 192.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#47

Bromodichloromethane

Concen: 81.70 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VX002054.D

Acq: 27 May 2018 07:50

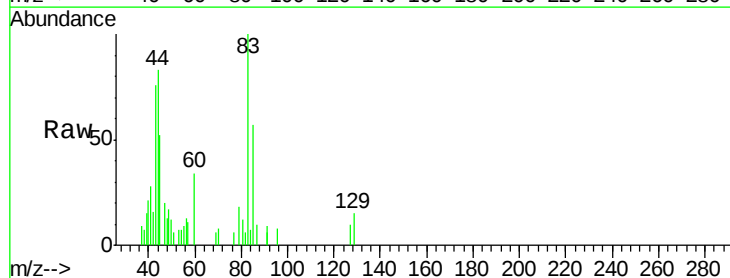
Tgt Ion: 83 Resp: 2000

Ion Ratio Lower Upper

83 100

85 51.7 51.4 77.2

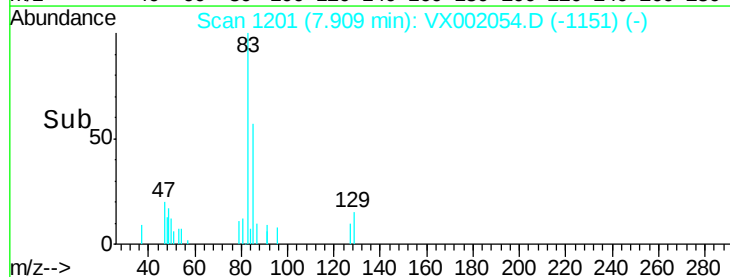
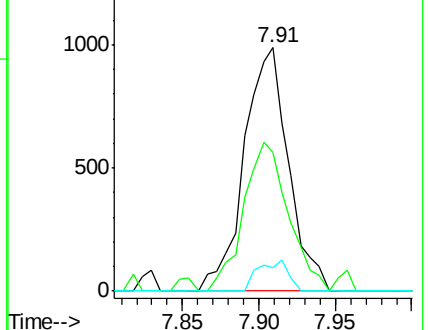
127 9.8 7.1 10.7

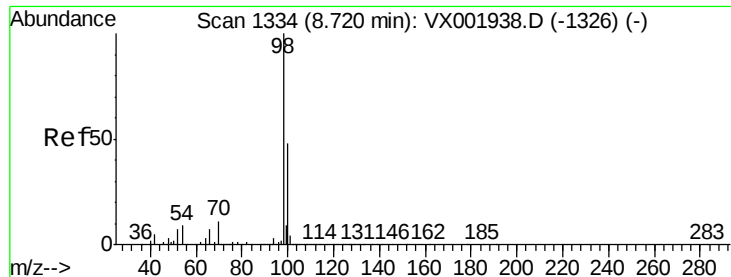


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V

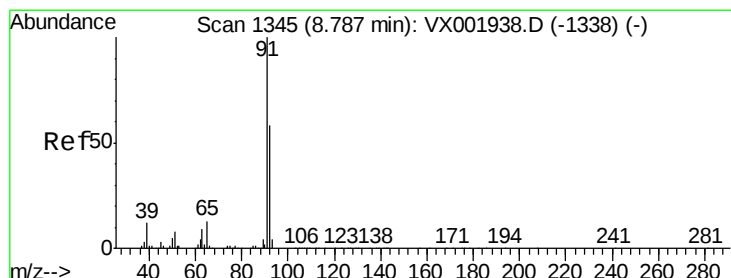
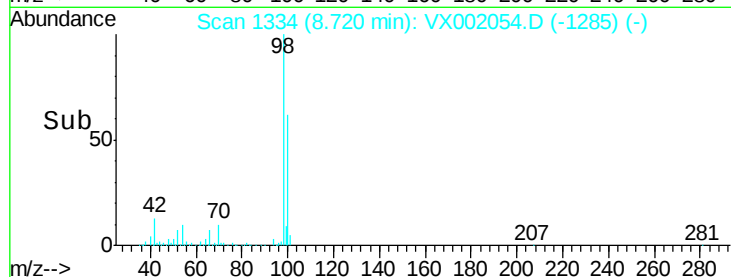
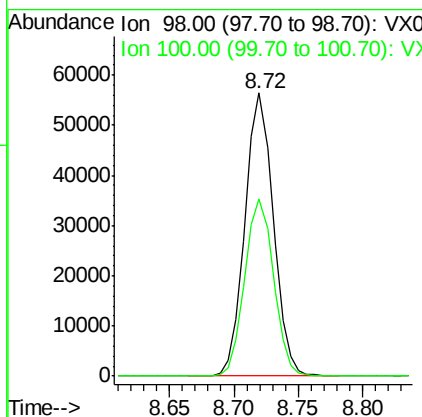
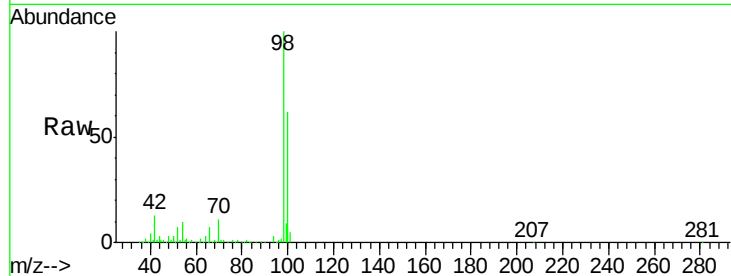




#50
Toluene-d8
Concen: 1514.55 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002054.D
Acq: 27 May 2018 07:50

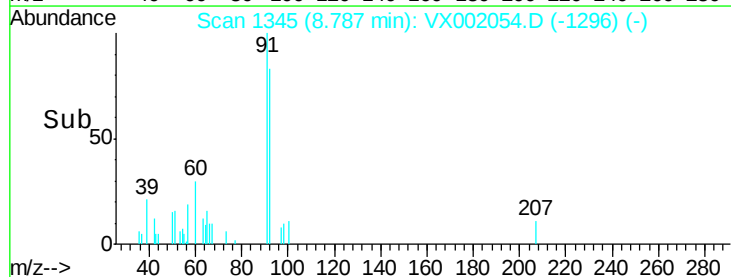
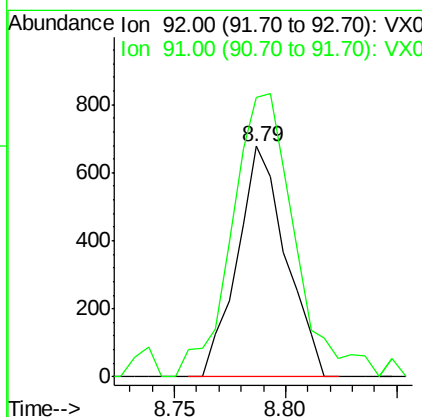
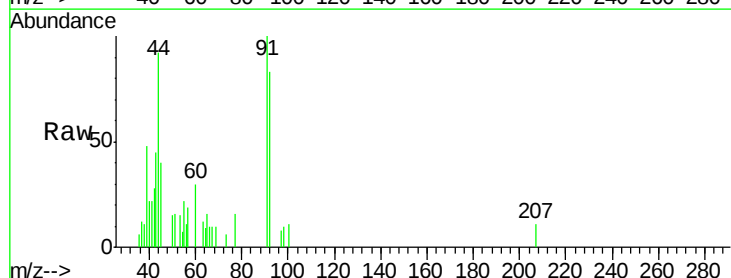
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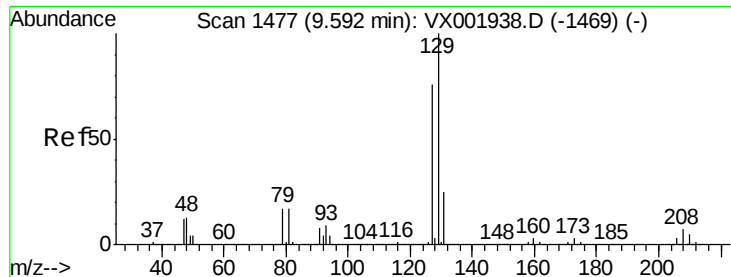
Tot Ion: 98 Resp: 85922
Ion Ratio Lower Upper
98 100
100 63.7 51.5 77.3



#52
Toluene
Concen: 25.35 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX002054.D
Acq: 27 May 2018 07:50

Tgt Ion: 92 Resp: 1030
Ion Ratio Lower Upper
92 100
91 160.2 139.4 209.2

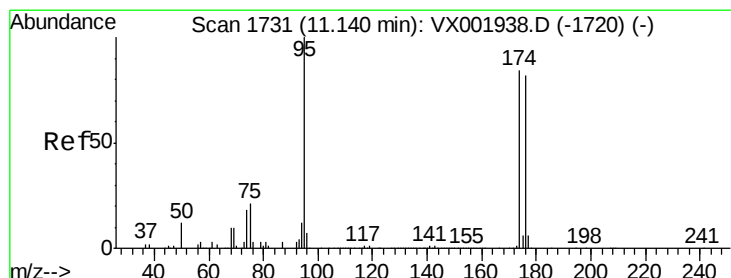
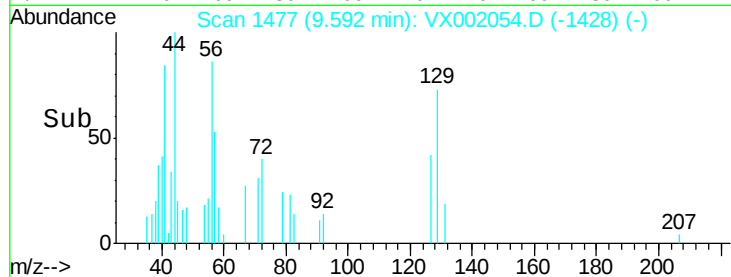
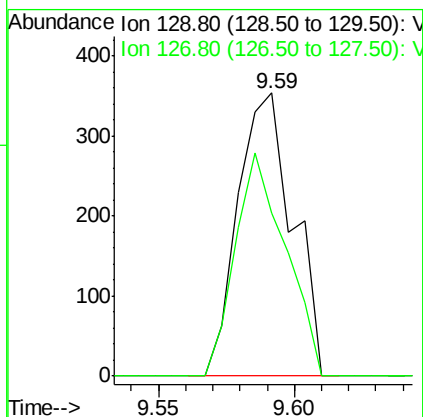
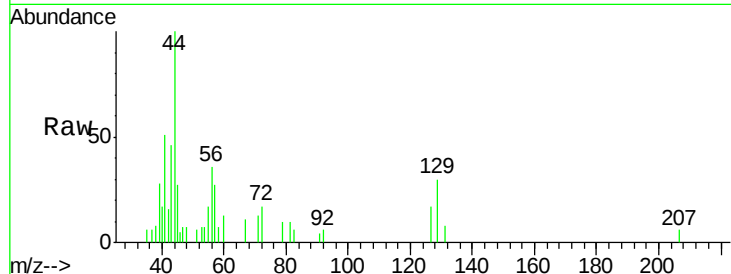




#60
 Dibromochloromethane
 Concen: 24.47 ug/l
 RT: 9.59 min Scan# 1477
 Delta R.T. -0.00 min
 Lab File: VX002054.D
 Acq: 27 May 2018 07:50

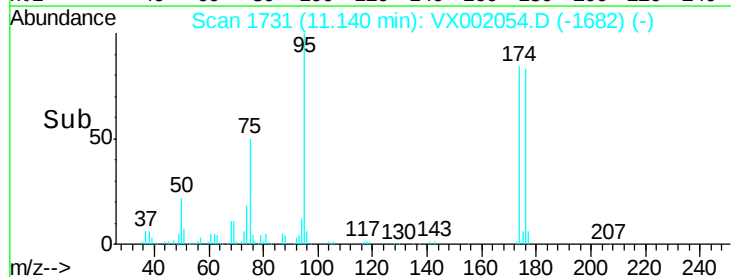
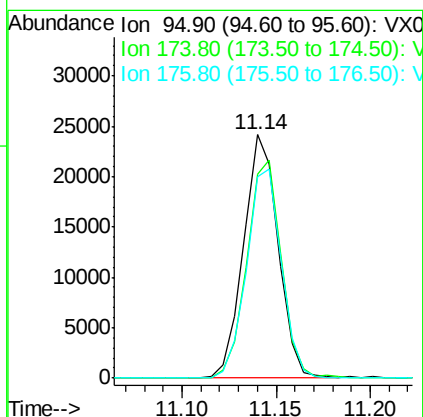
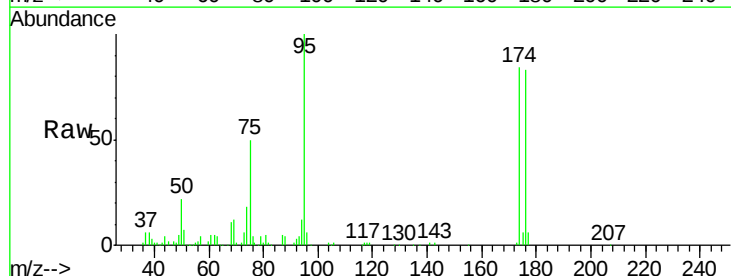
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-5-WC-1

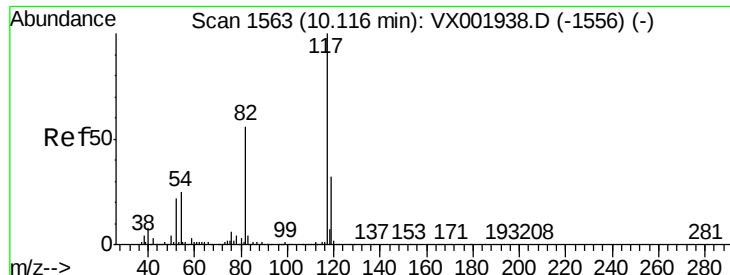
Tot Ion:129 Resp: 492
 Ion Ratio Lower Upper
 129 100
 127 72.6 38.3 114.9



#62
 4-Bromofluorobenzene
 Concen: 1385.58 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX002054.D
 Acq: 27 May 2018 07:50

Tgt Ion: 95 Resp: 30755
 Ion Ratio Lower Upper
 95 100
 174 89.3 0.0 178.8
 176 86.5 0.0 175.6





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX002054.D

Acq: 27 May 2018 07:50

Instrument :

MSVOA_X

ClientSampled :

TP-5-WC-1

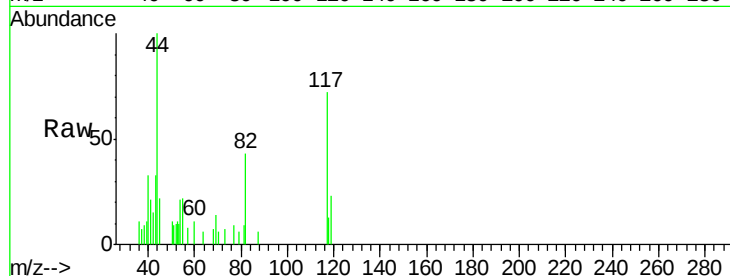
Tot Ion:117 Resp: 942

Ion Ratio Lower Upper

117 100

82 59.2 44.8 67.2

119 31.6 25.5 38.3

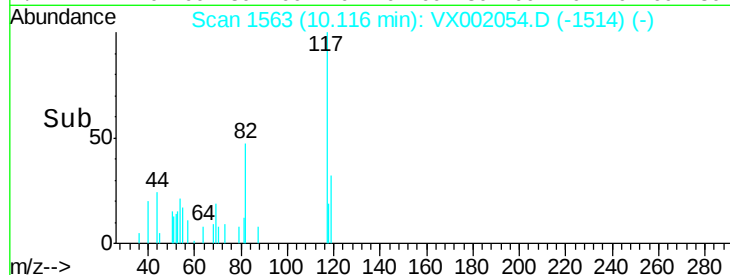


Abundance Ion 116.90 (116.60 to 117.60): V

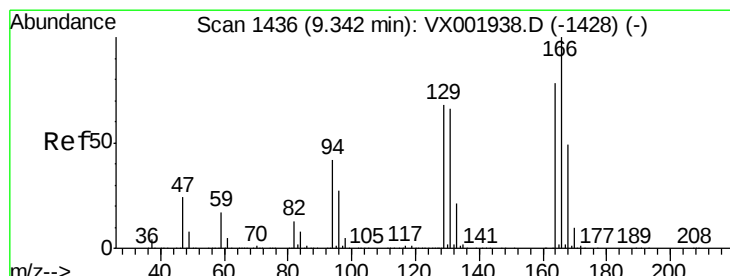
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

Time-->



Time-->



#64

Tetrachloroethene

Concen: 10.74 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX002054.D

Acq: 27 May 2018 07:50

Tgt Ion:164 Resp: 145

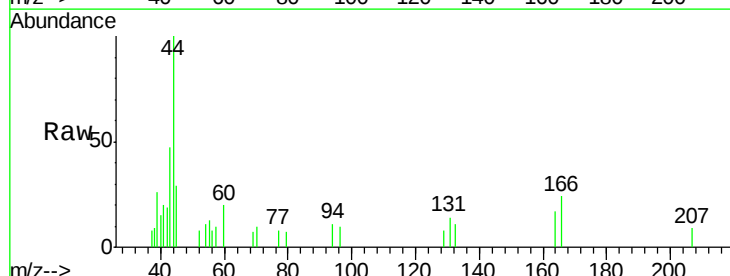
Ion Ratio Lower Upper

164 100

166 137.0 102.7 154.1

129 45.7 70.3 105.5#

131 79.7 68.2 102.4



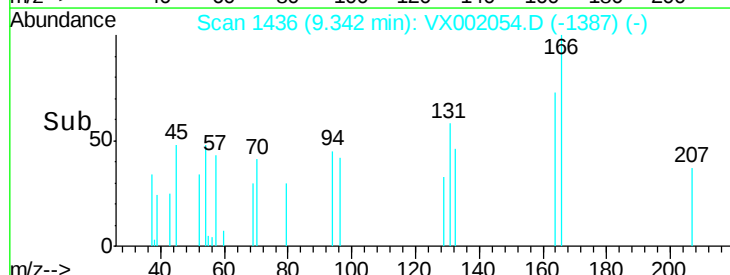
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

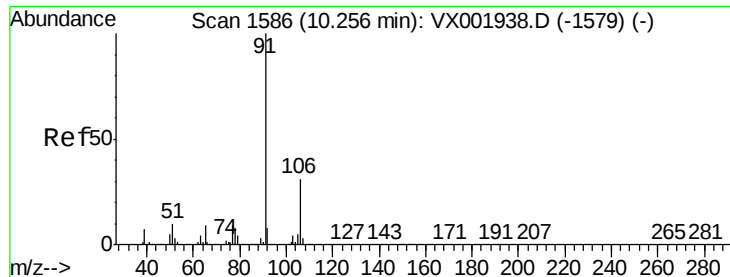
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time-->



Time-->



#67

Ethyl Benzene

Concen: 114.03 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002054.D

Acq: 27 May 2018 07:50

Instrument :

MSVOA_X

ClientSampled :

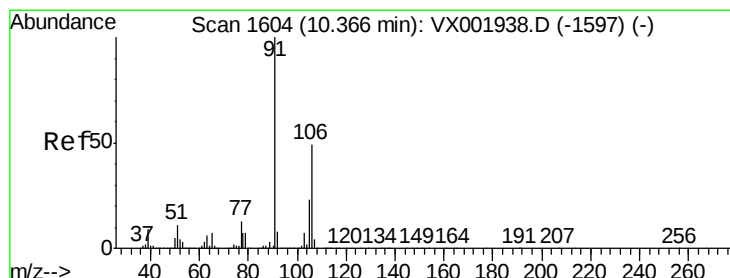
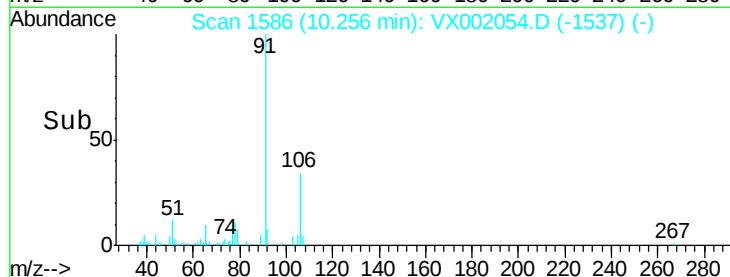
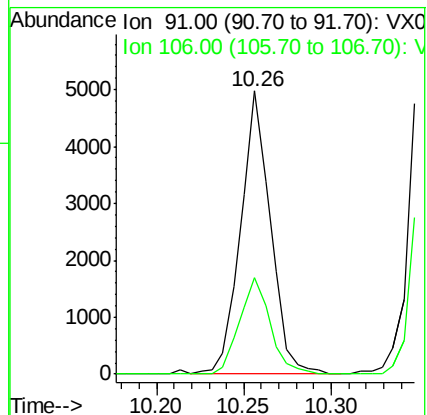
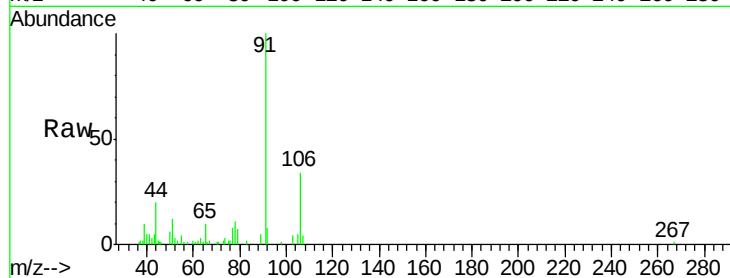
TP-5-WC-1

Tot Ion: 91 Resp: 5913

Ion Ratio Lower Upper

91 100

106 33.9 25.0 37.6



#68

m/p-Xylenes

Concen: 592.73 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VX002054.D

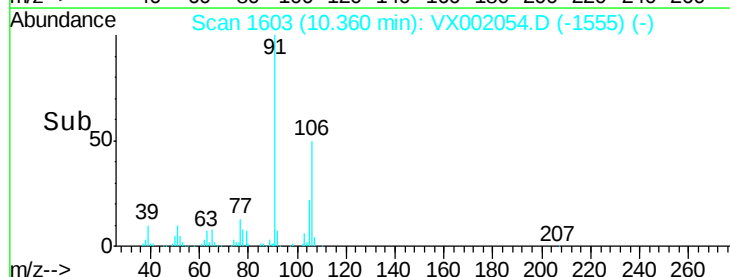
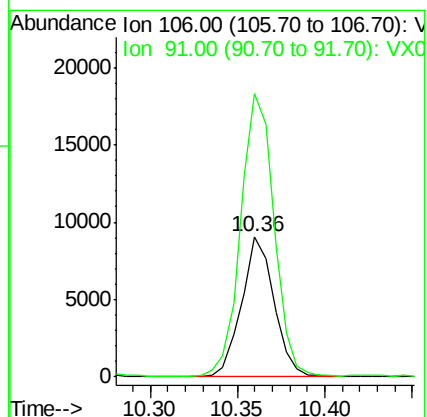
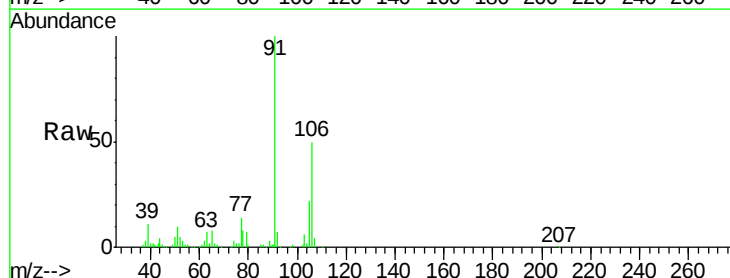
Acq: 27 May 2018 07:50

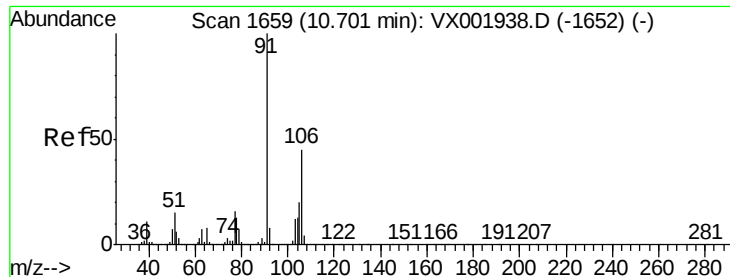
Tgt Ion: 106 Resp: 11749

Ion Ratio Lower Upper

106 100

91 208.4 165.0 247.6

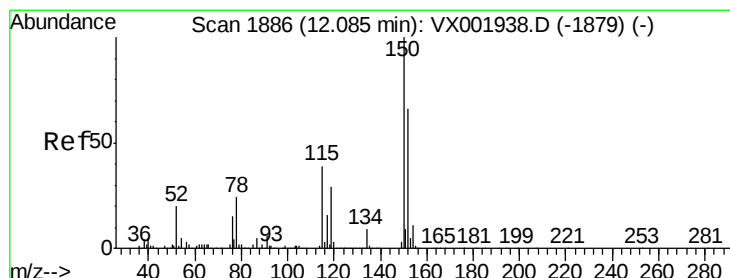
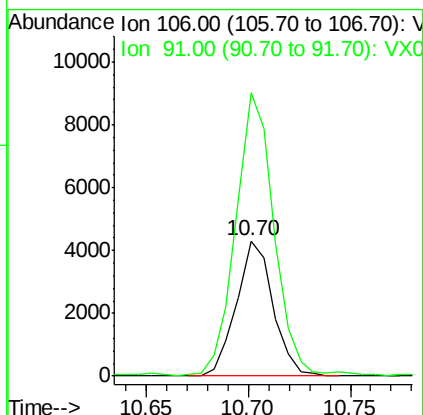
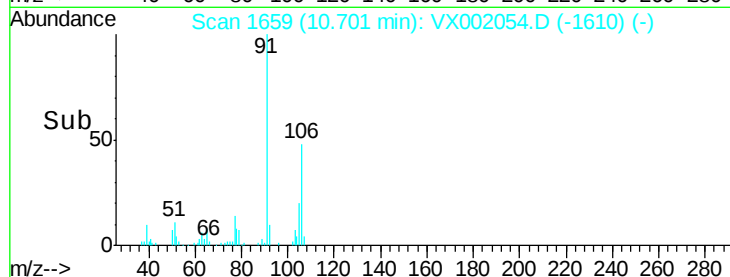
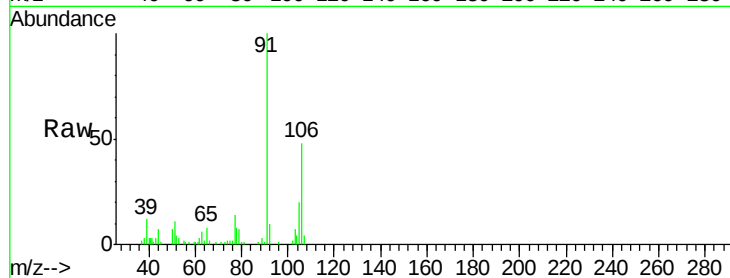




#69
o-Xylene
Concen: 271.17 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002054.D
Acq: 27 May 2018 07:50

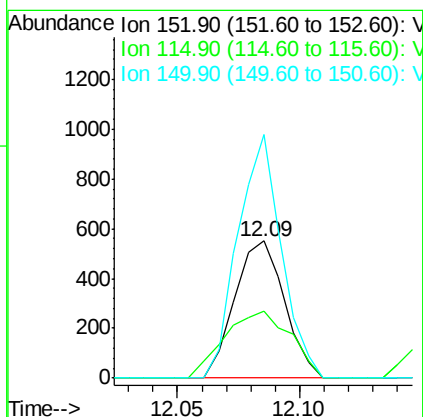
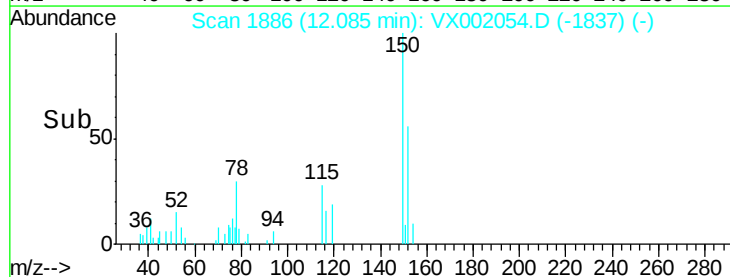
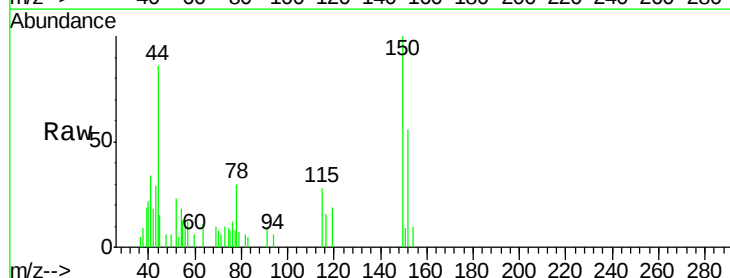
Instrument :
MSVOA_X
ClientSampled :
TP-5-WC-1

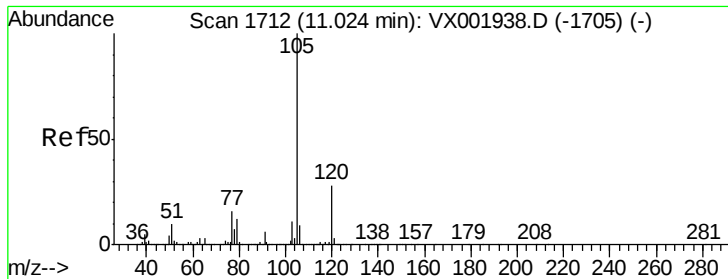
Tot Ion:106 Resp: 5367
Ion Ratio Lower Upper
106 100
91 220.2 108.7 325.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002054.D
Acq: 27 May 2018 07:50

Tgt Ion:152 Resp: 780
Ion Ratio Lower Upper
152 100
115 65.0 42.3 126.8
150 155.0 0.0 351.0





#73

Isopropylbenzene

Concen: 8.48 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002054.D

Acq: 27 May 2018 07:50

Instrument :

MSVOA_X

ClientSampled :

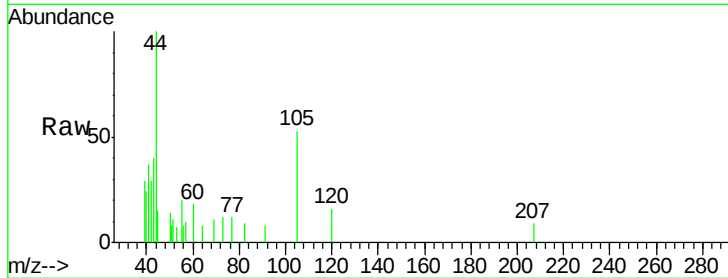
TP-5-WC-1

Tot Ion:105 Resp: 560

Ion Ratio Lower Upper

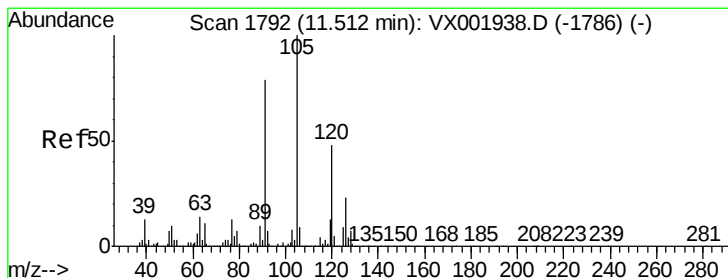
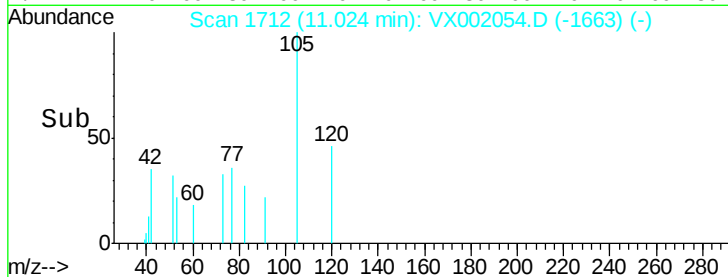
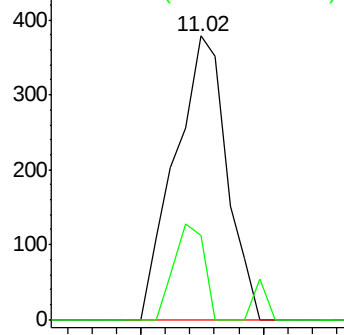
105 100

120 19.5 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#80

1,3,5-Trimethylbenzene

Concen: 24.27 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX002054.D

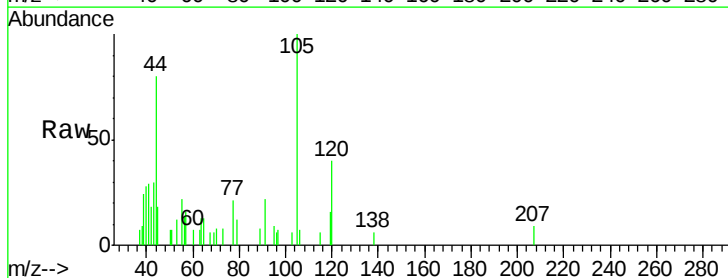
Acq: 27 May 2018 07:50

Tgt Ion:105 Resp: 1370

Ion Ratio Lower Upper

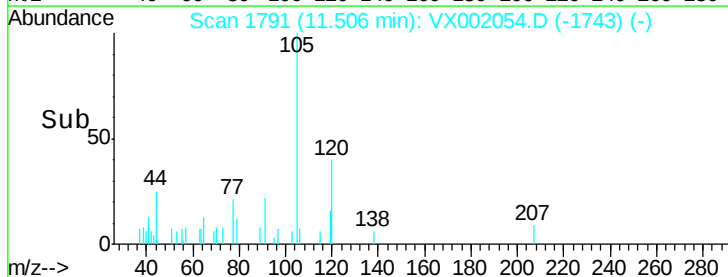
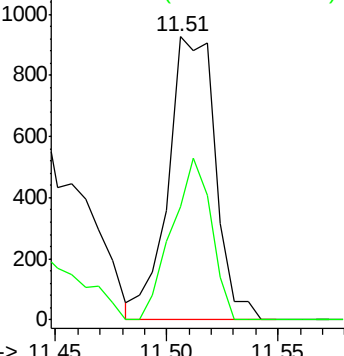
105 100

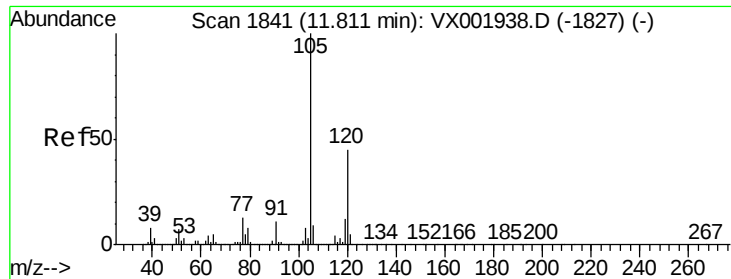
120 47.5 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

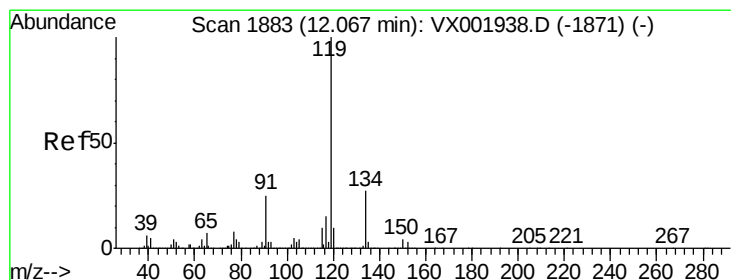
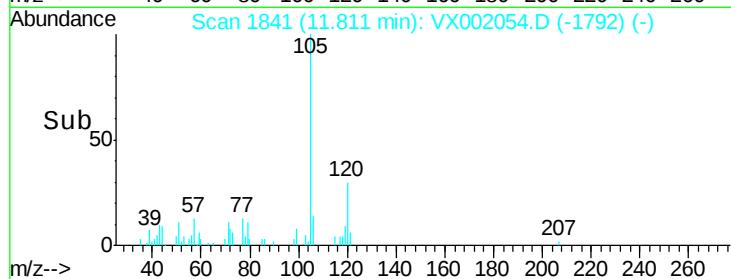
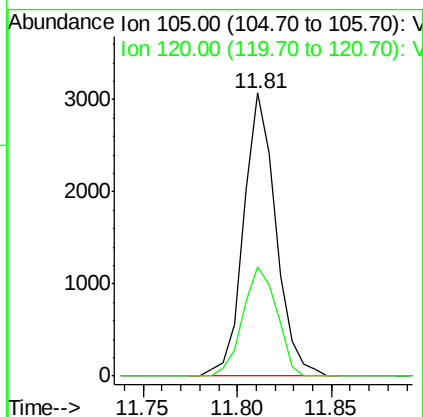
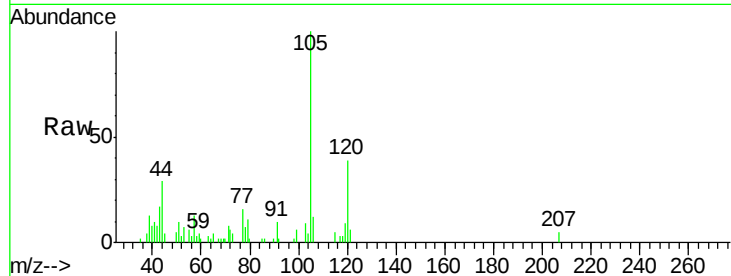




#84
 1,2,4-Trimethylbenzene
 Concen: 62.45 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002054.D
 Acq: 27 May 2018 07:50

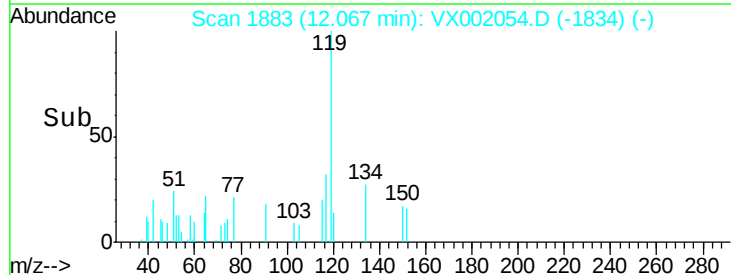
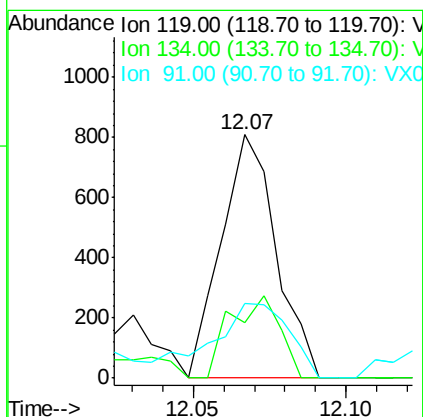
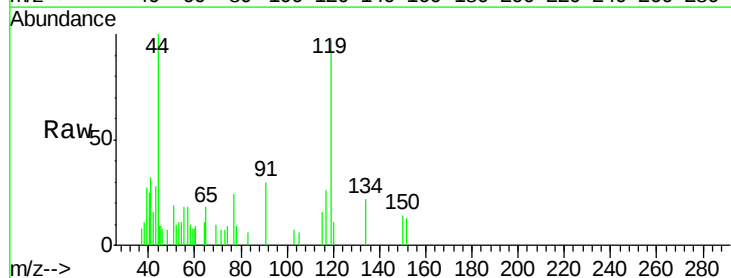
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-5-WC-1

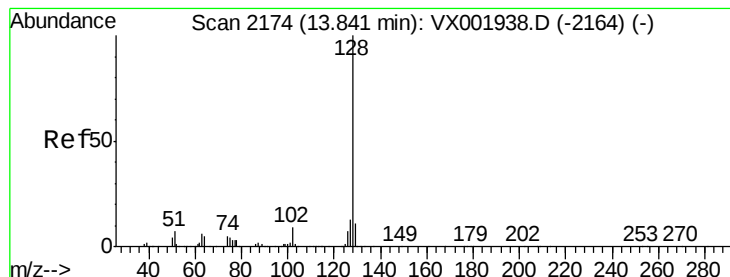
Tot Ion:105 Resp: 3643
 Ion Ratio Lower Upper
 105 100
 120 40.7 22.1 66.5



#86
 p-Isopropyltoluene
 Concen: 16.92 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX002054.D
 Acq: 27 May 2018 07:50

Tgt Ion:119 Resp: 1008
 Ion Ratio Lower Upper
 119 100
 134 30.4 13.6 40.8
 91 43.6 12.2 36.4#





#95

Naphthalene

Concen: 9768.83 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002054.D

Acq: 27 May 2018 07:50

Instrument :

MSVOA_X

ClientSampleId :

TP-5-WC-1

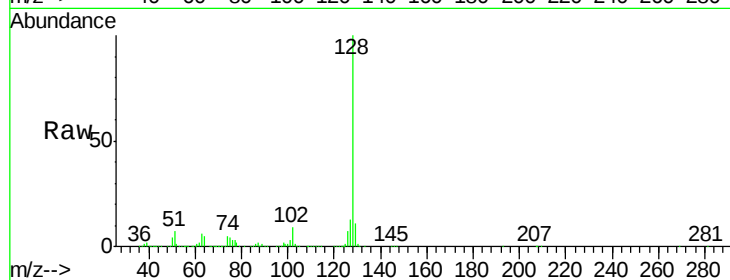
Tot Ion:128 Resp: 688182

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 10.8 8.8 13.2



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

