

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052618\
 Data File : VX002055.D
 Acq On : 27 May 2018 08:16
 Operator : JC/MD
 Sample : J3130-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-5-WC-2

Quant Time: May 28 06:06:45 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

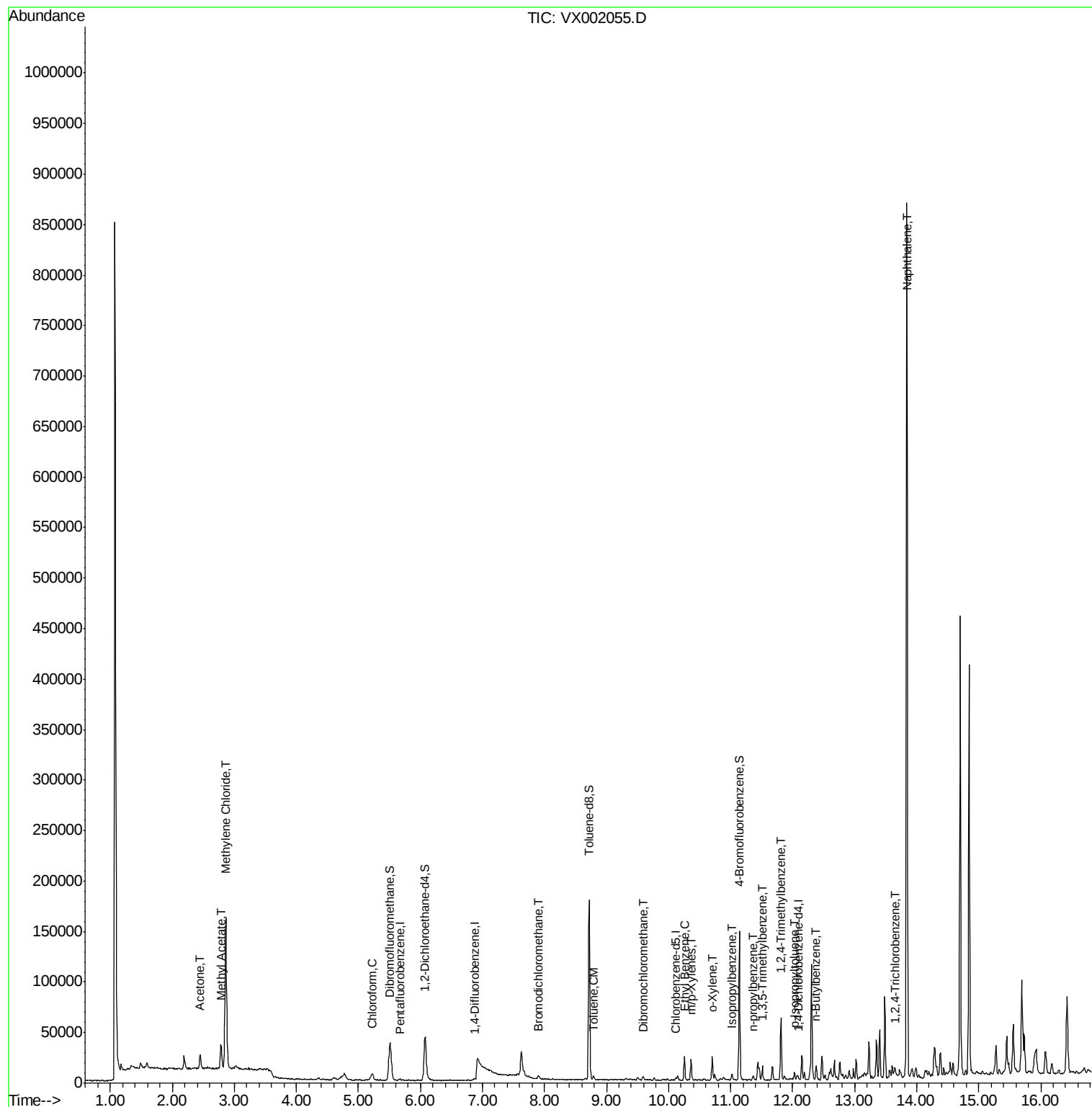
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	1272	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	1344	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	593	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	41260	1814.66	ug/l	0.00
Spiked Amount	50.000		Recovery	= 3629.32%		
35) Dibromofluoromethane	5.51	113	30064	2236.90	ug/l	0.00
Spiked Amount	50.000		Recovery	= 4473.80%		
50) Toluene-d8	8.72	98	102957	2115.95	ug/l	0.00
Spiked Amount	50.000		Recovery	= 4231.90%		
62) 4-Bromofluorobenzene	11.14	95	36240	1903.60	ug/l	0.00
Spiked Amount	50.000		Recovery	= 3807.20%		
Target Compounds						
					Qvalue	
16) Acetone	2.45	43	15080	1718.53	ug/l	95
18) Methyl Acetate	2.78	43	29518	1427.73	ug/l	100
20) Methylene Chloride	2.86	84	66075	4497.25	ug/l	99
30) Chloroform	5.23	83	6792	200.48	ug/l	99
47) Bromodichloromethane	7.90	83	1819	86.63	ug/l #	88
52) Toluene	8.79	92	1119	32.10	ug/l	99
60) Dibromochloromethane	9.59	129	321	18.61	ug/l	63
67) Ethyl Benzene	10.26	91	12571	328.59	ug/l	99
68) m/p-Xylenes	10.36	106	4553	311.33	ug/l	93
69) o-Xylene	10.70	106	4468	305.98	ug/l	94
73) Isopropylbenzene	11.02	105	2871	57.17	ug/l	94
78) n-propylbenzene	11.37	91	2304	40.97	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	5953	138.72	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	24218	546.10	ug/l	98
86) p-Isopropyltoluene	12.03	119	2333	51.50	ug/l	84
89) n-Butylbenzene	12.38	91	2080	54.19	ug/l #	19
93) 1,2,4-Trichlorobenzene	13.65	180	303	17.43	ug/l #	62
95) Naphthalene	13.84	128	516314	9640.35	ug/l	100

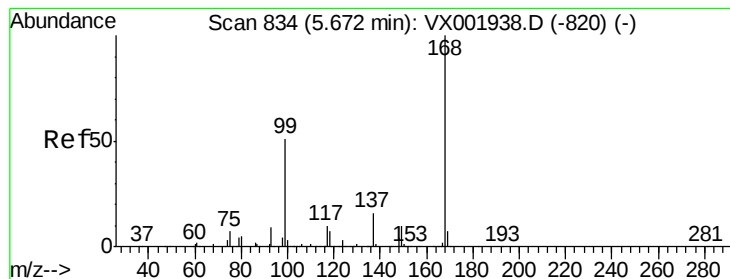
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002055.D

Acq: 27 May 2018 08:16

Instrument :

MSVOA_X

ClientSampleId :

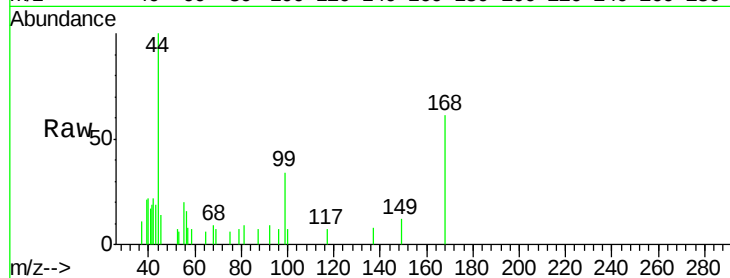
TP-5-WC-2

Tot Ion:168 Resp: 1272

Ion Ratio Lower Upper

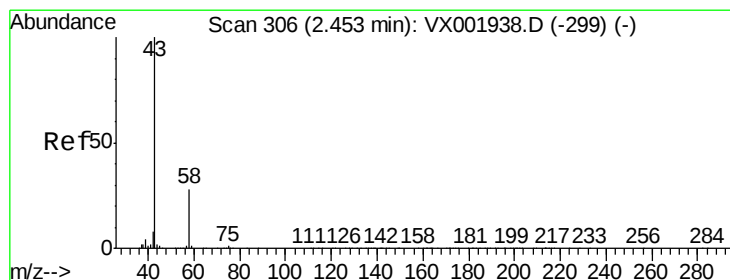
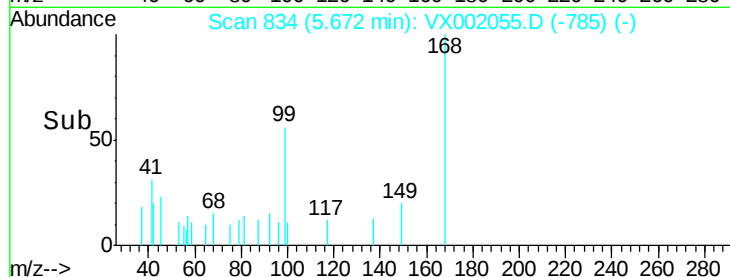
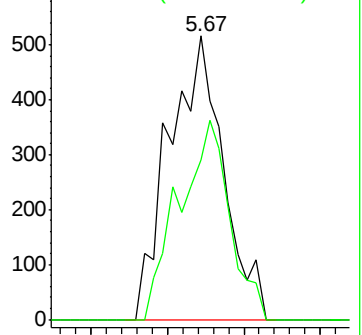
168 100

99 56.2 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: 1718.53 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002055.D

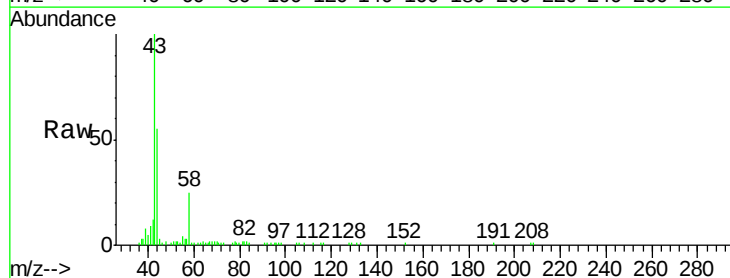
Acq: 27 May 2018 08:16

Tgt Ion: 43 Resp: 15080

Ion Ratio Lower Upper

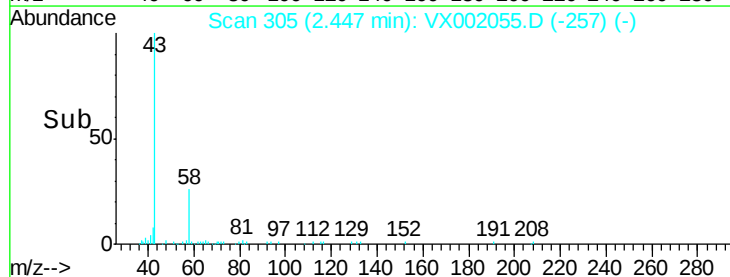
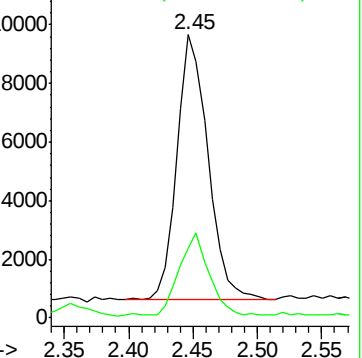
43 100

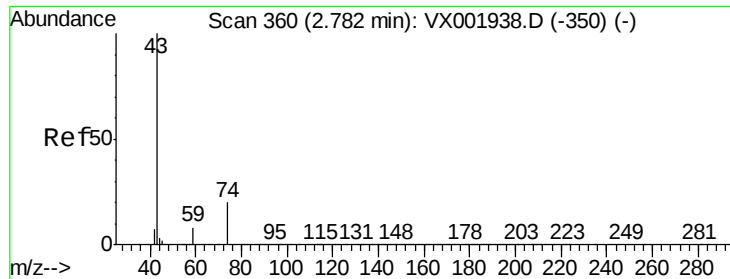
58 25.4 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#18

Methvl Acetate

Concen: 1427.73 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX002055.D

Acq: 27 May 2018 08:16

Instrument :

MSVOA_X

ClientSampleId :

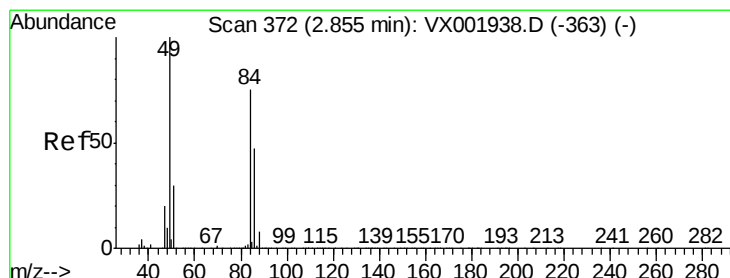
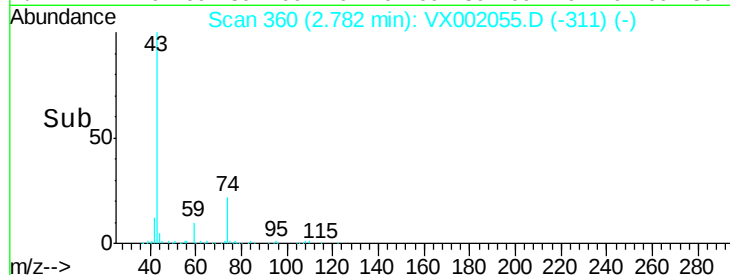
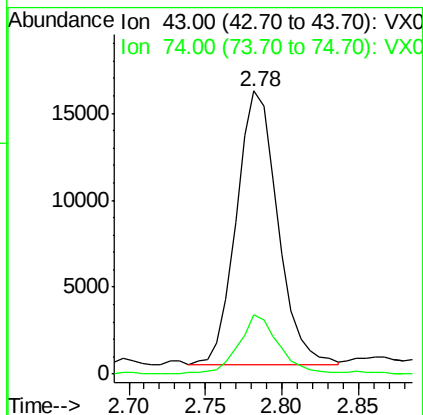
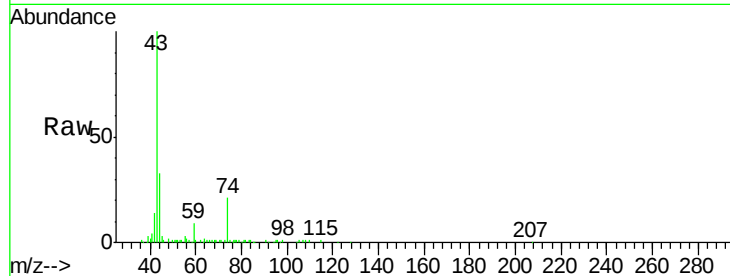
TP-5-WC-2

Tot Ion: 43 Resp: 29518

Ion Ratio Lower Upper

43 100

74 21.1 16.8 25.2



#20

Methylene Chloride

Concen: 4497.25 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX002055.D

Acq: 27 May 2018 08:16

Tgt Ion: 84 Resp: 66075

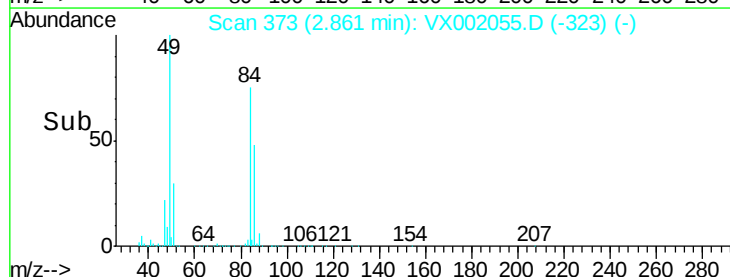
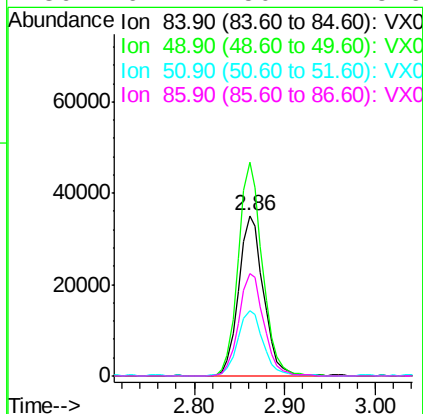
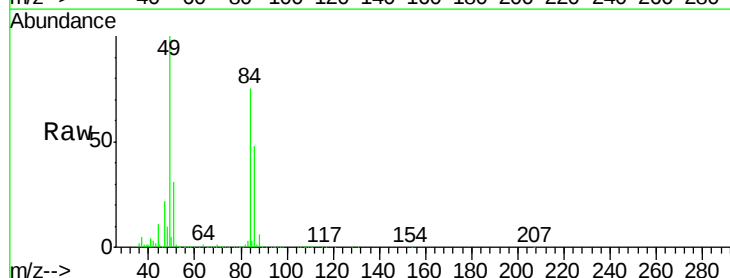
Ion Ratio Lower Upper

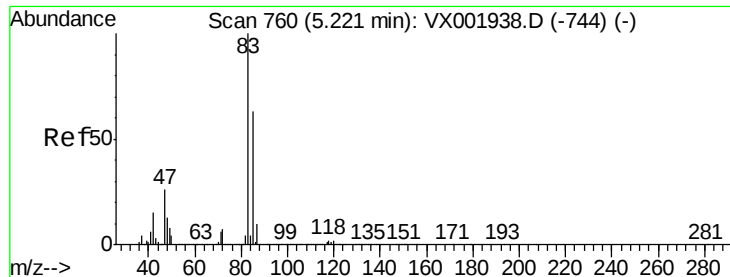
84 100

49 133.4 107.2 160.8

51 40.4 32.4 48.6

86 64.1 50.4 75.6





#30

Chloroform

Concen: 200.48 ug/l

RT: 5.23 min Scan# 761

Delta R.T. 0.01 min

Lab File: VX002055.D

Acq: 27 May 2018 08:16

Instrument :

MSVOA_X

ClientSampleId :

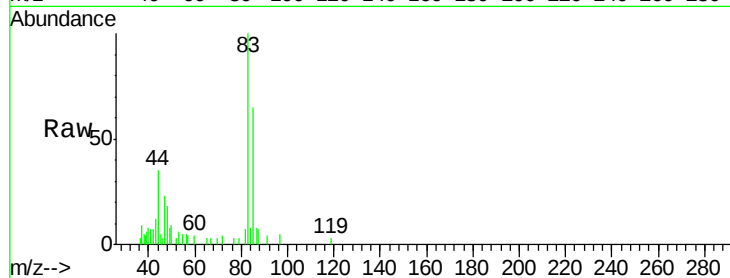
TP-5-WC-2

Tot Ion: 83 Resp: 6792

Ion Ratio Lower Upper

83 100

85 64.6 50.9 76.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

2500

2000

1500

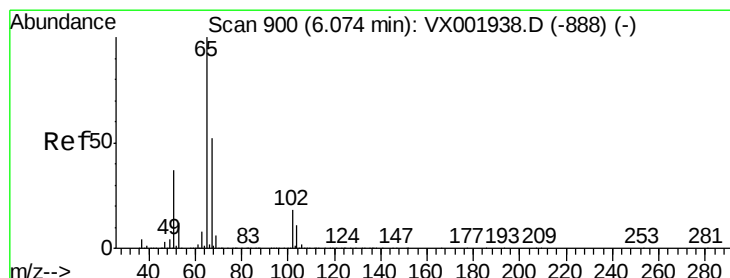
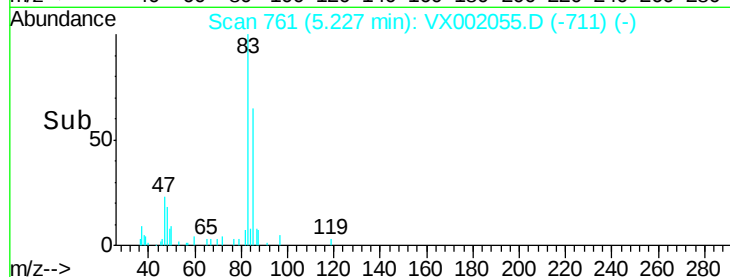
1000

500

0

5.10 5.20 5.30

Time-->



#33

1,2-Dichloroethane-d4

Concen: 1814.66 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002055.D

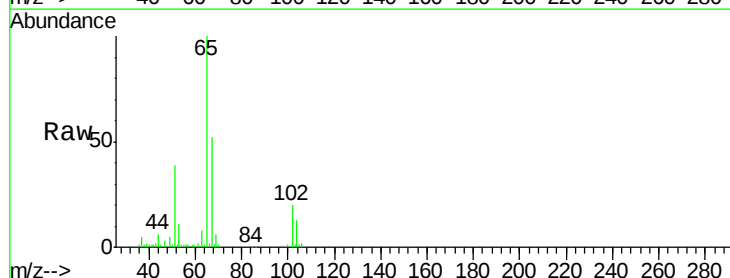
Acq: 27 May 2018 08:16

Tgt Ion: 65 Resp: 41260

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

15000

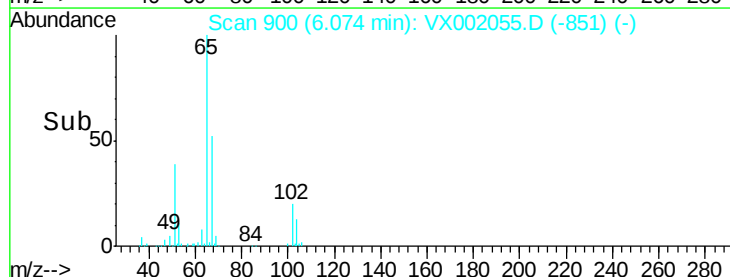
10000

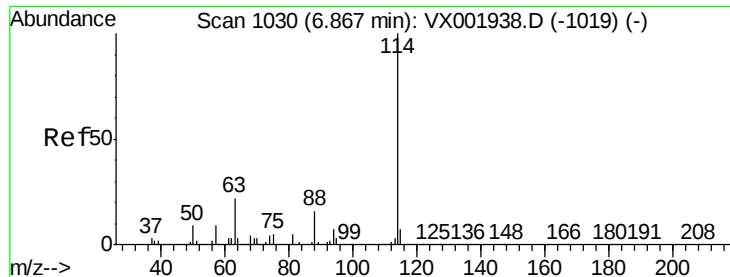
5000

0

6.00 6.10 6.20

Time-->





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX002055.D

Acq: 27 May 2018 08:16

Instrument :

MSVOA_X

ClientSampleId :

TP-5-WC-2

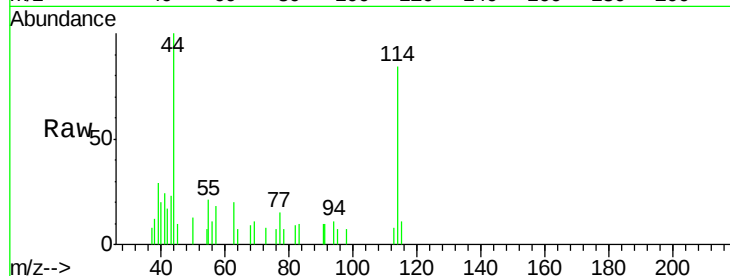
Tot Ion:114 Resp: 1344

Ion Ratio Lower Upper

114 100

63 23.2 0.0 43.2

88 0.0 0.0 31.6



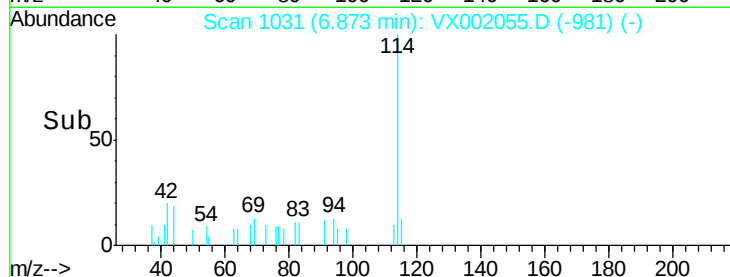
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

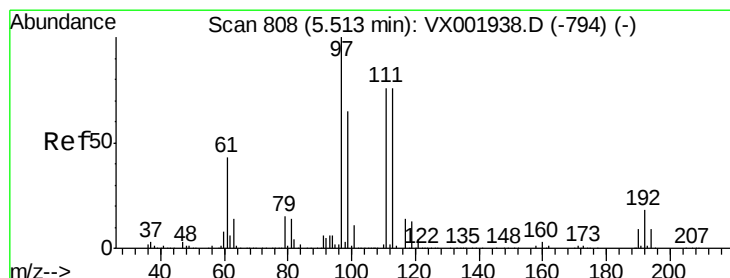
Ion 87.90 (87.60 to 88.60): VX0

6.87

Time-->



Time-->



#35

Dibromofluoromethane

Concen: 2236.90 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX002055.D

Acq: 27 May 2018 08:16

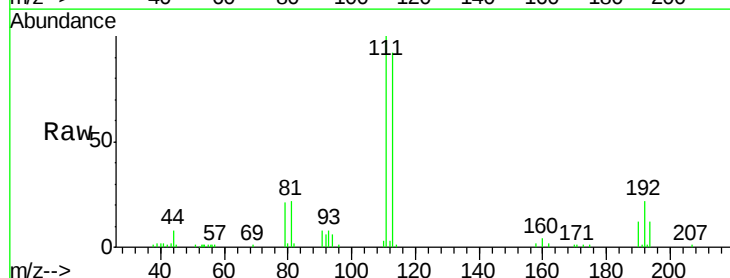
Tgt Ion:113 Resp: 30064

Ion Ratio Lower Upper

113 100

111 104.8 82.0 123.0

192 23.8 18.9 28.3



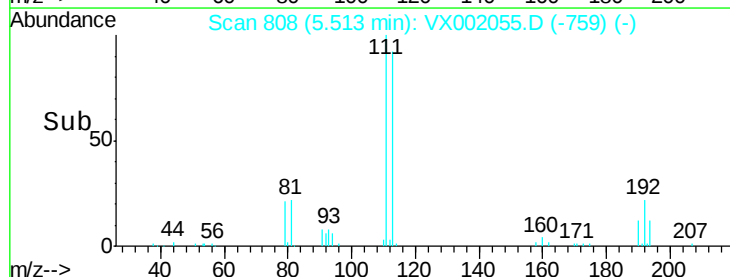
Abundance Ion 112.80 (112.50 to 113.50): V

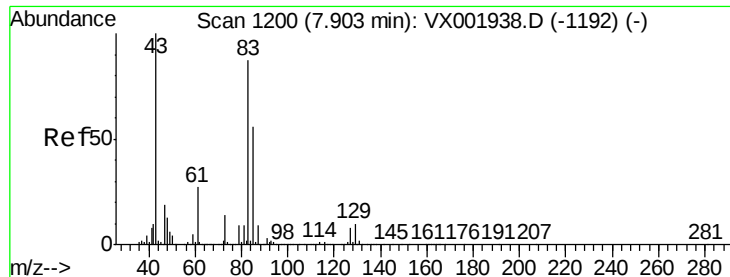
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

5.51

Time-->





#47

Bromodichloromethane

Concen: 86.63 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002055.D

Acq: 27 May 2018 08:16

Instrument :

MSVOA_X

ClientSampled :

TP-5-WC-2

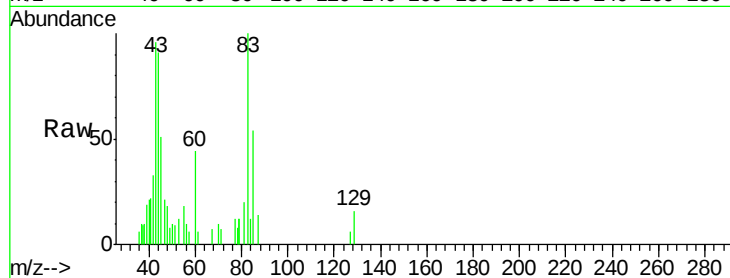
Tot Ion: 83 Resp: 1819

Ion Ratio Lower Upper

83 100

85 54.2 51.4 77.2

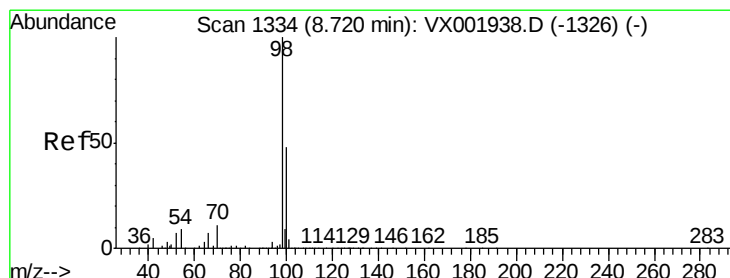
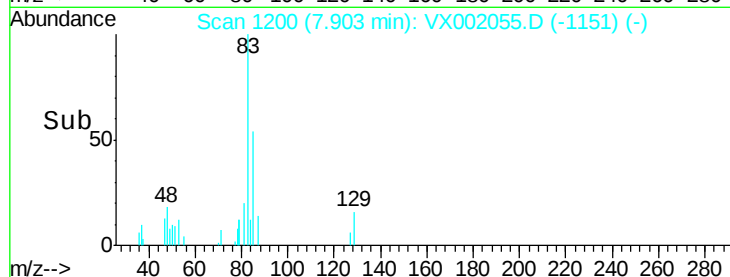
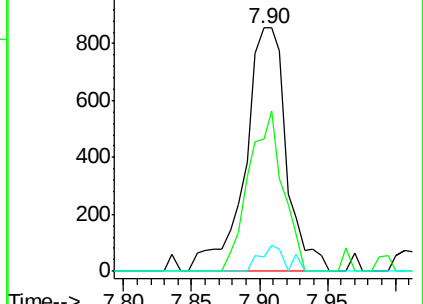
127 5.8 7.1 10.7#



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: 2115.95 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002055.D

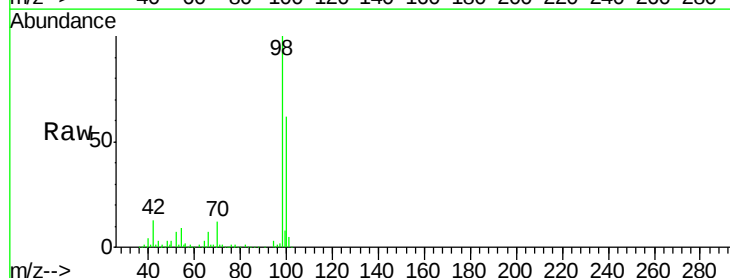
Acq: 27 May 2018 08:16

Tgt Ion: 98 Resp: 102957

Ion Ratio Lower Upper

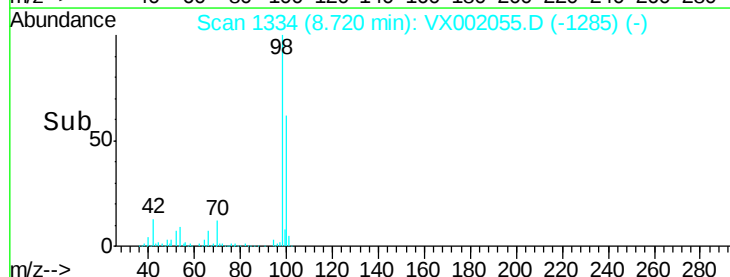
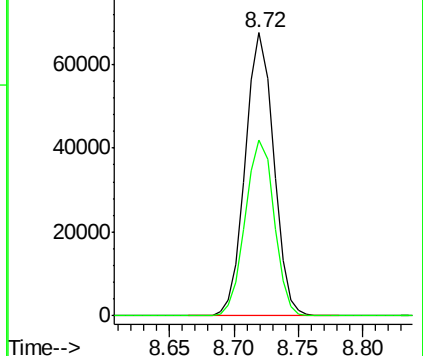
98 100

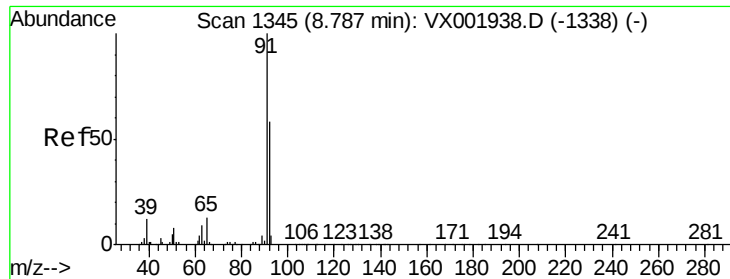
100 63.2 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 32.10 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002055.D

Acq: 27 May 2018 08:16

Instrument :

MSVOA_X

ClientSampled :

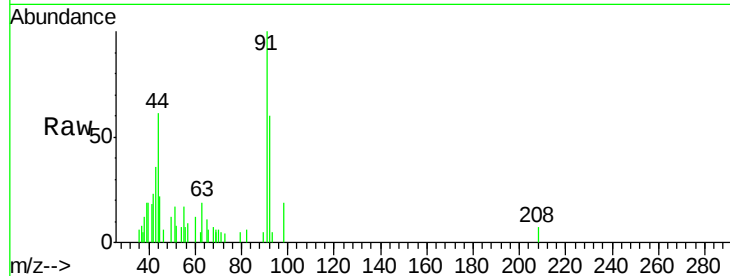
TP-5-WC-2

Tot Ion: 92 Resp: 1119

Ion Ratio Lower Upper

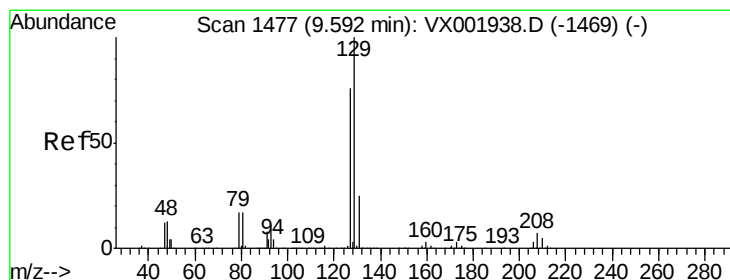
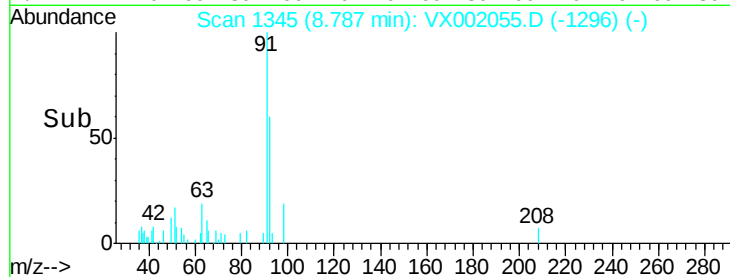
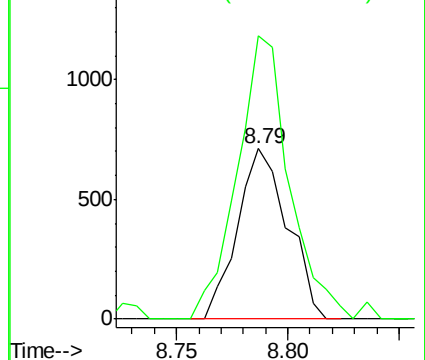
92 100

91 173.0 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#60

Dibromochloromethane

Concen: 18.61 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. -0.01 min

Lab File: VX002055.D

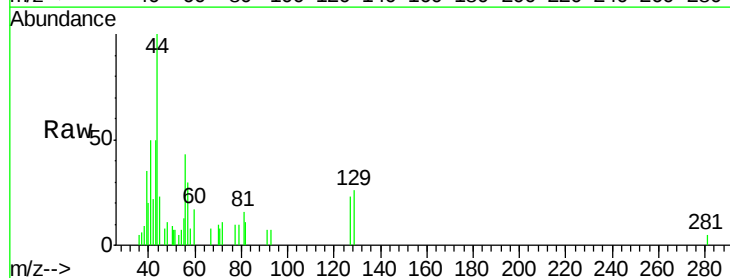
Acq: 27 May 2018 08:16

Tgt Ion: 129 Resp: 321

Ion Ratio Lower Upper

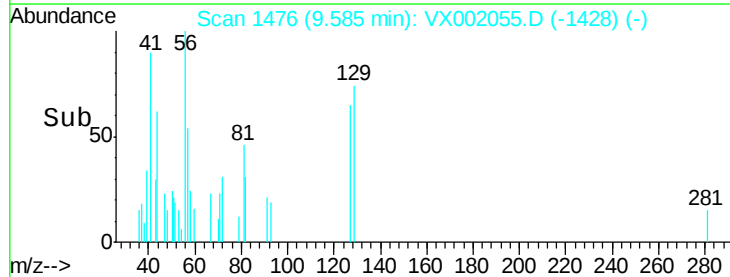
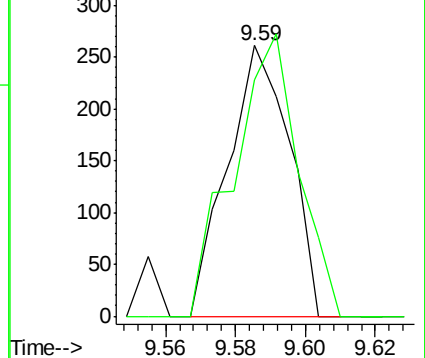
129 100

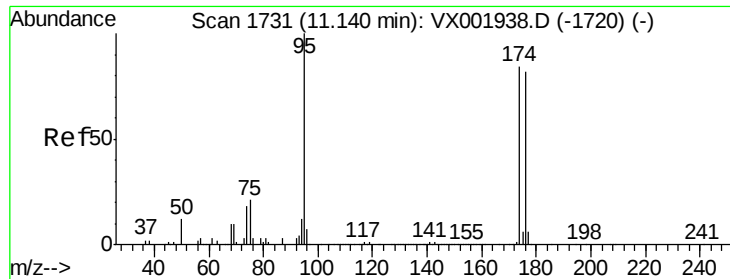
127 108.7 38.3 114.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

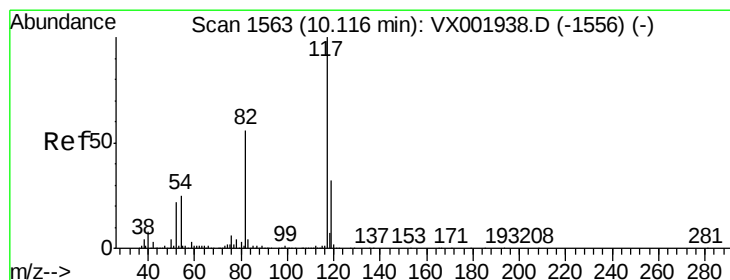
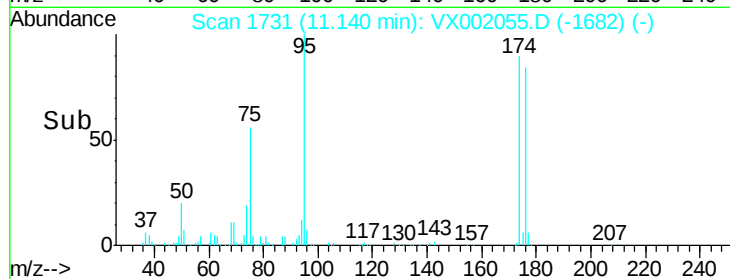
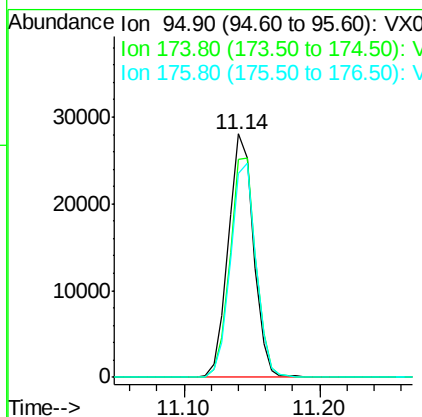
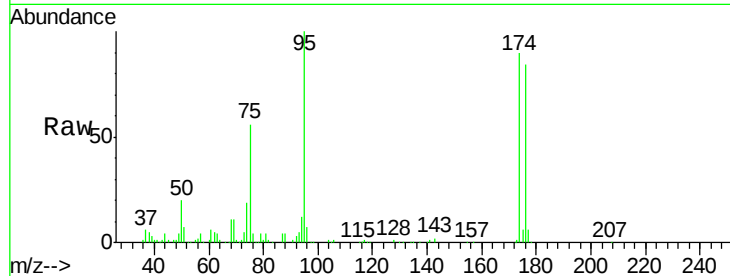




#62
4-Bromofluorobenzene
Concen: 1903.60 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002055.D
Acq: 27 May 2018 08:16

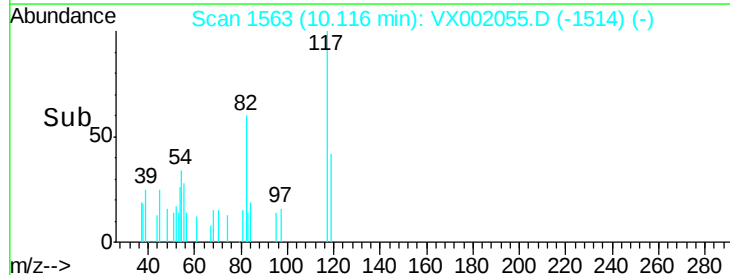
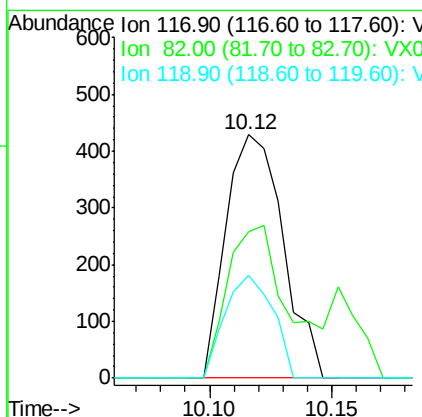
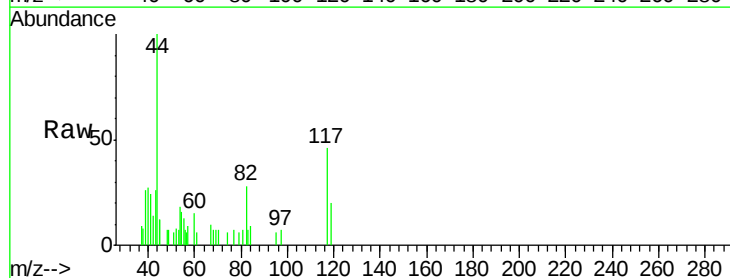
Instrument :
MSVOA_X
ClientSampleId :
TP-5-WC-2

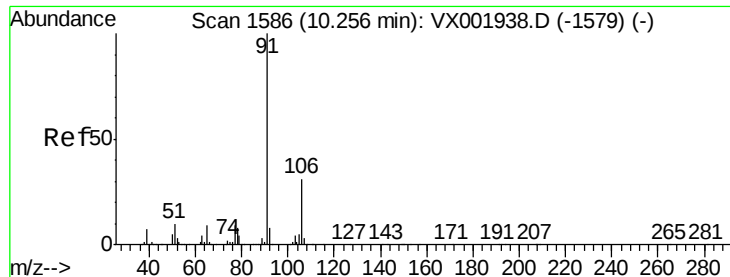
Tot Ion: 95 Resp: 36240
Ion Ratio Lower Upper
95 100
174 92.0 0.0 178.8
176 88.5 0.0 175.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002055.D
Acq: 27 May 2018 08:16

Tgt Ion: 117 Resp: 695
Ion Ratio Lower Upper
117 100
82 59.9 44.8 67.2
119 42.4 25.5 38.3#





#67

Ethyl Benzene

Concen: 328.59 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002055.D

Acq: 27 May 2018 08:16

Instrument :

MSVOA_X

ClientSampled :

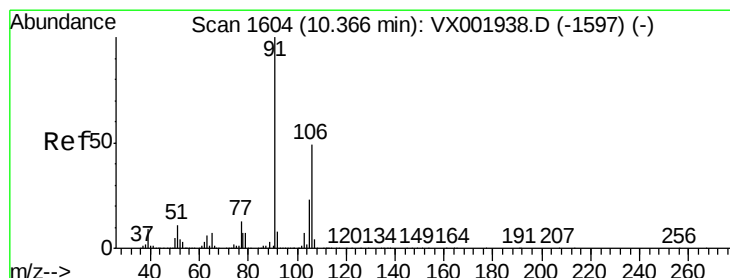
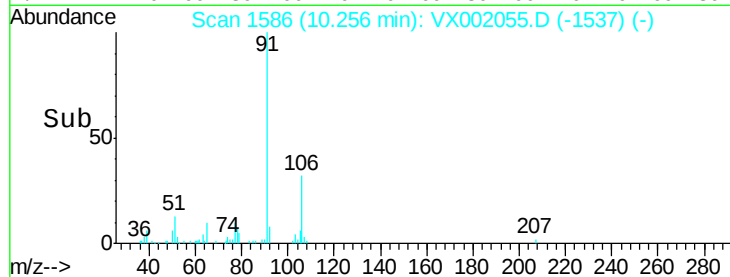
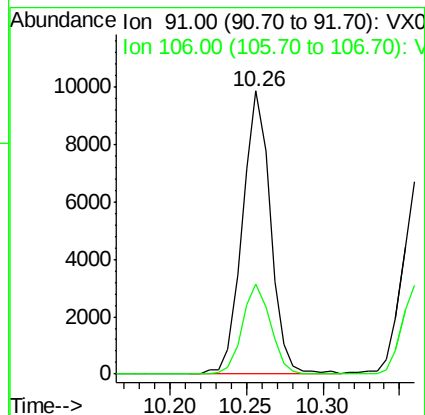
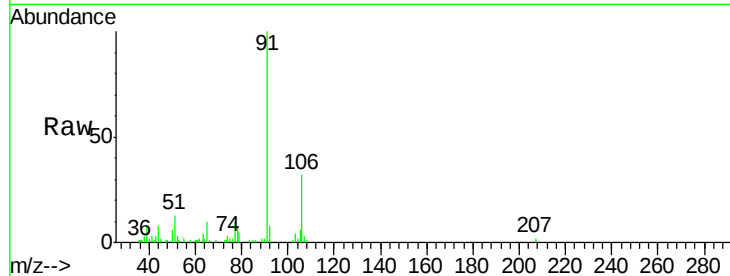
TP-5-WC-2

Tot Ion: 91 Resp: 12571

Ion Ratio Lower Upper

91 100

106 31.8 25.0 37.6



#68

m/p-Xylenes

Concen: 311.33 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VX002055.D

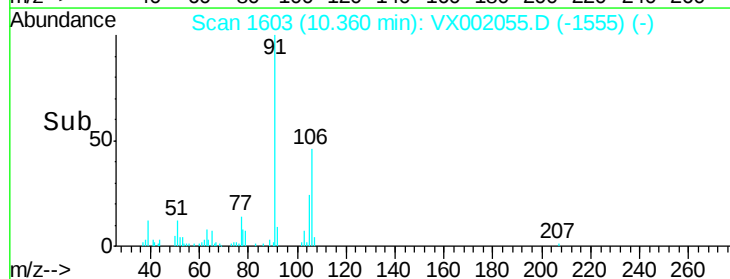
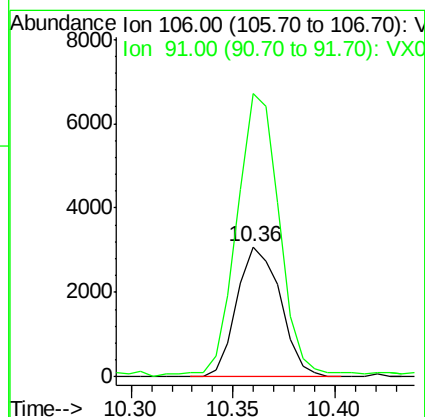
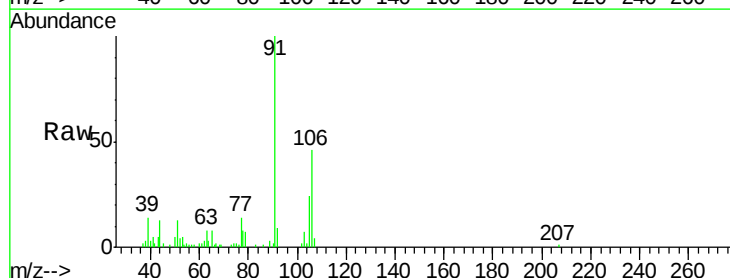
Acq: 27 May 2018 08:16

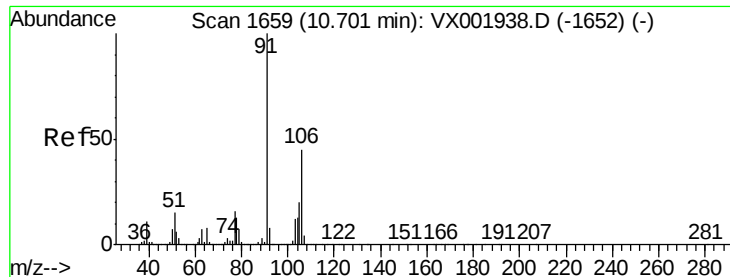
Tgt Ion: 106 Resp: 4553

Ion Ratio Lower Upper

106 100

91 217.6 165.0 247.6

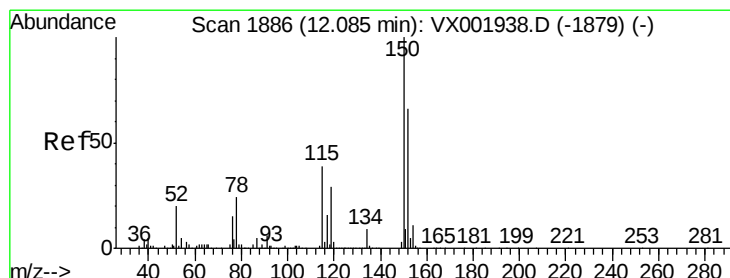
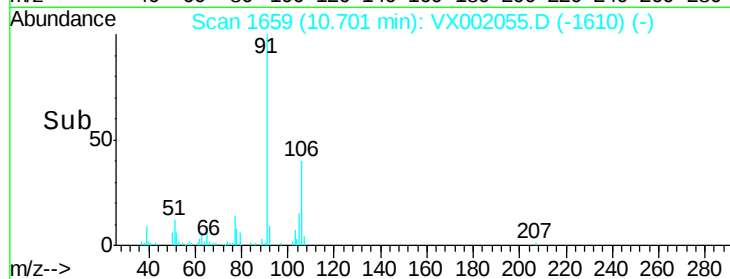
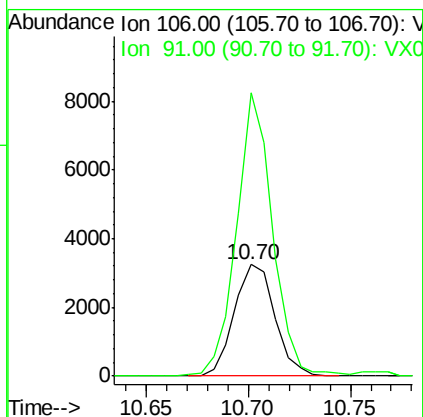
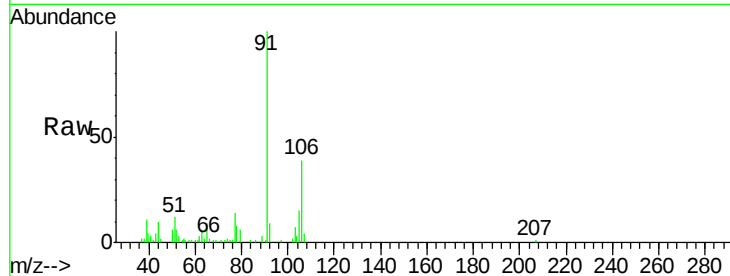




#69
o-Xylene
Concen: 305.98 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002055.D
Acq: 27 May 2018 08:16

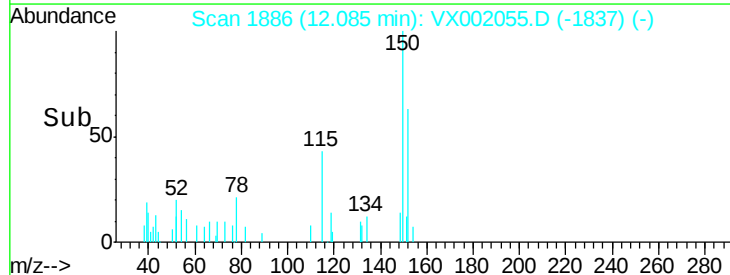
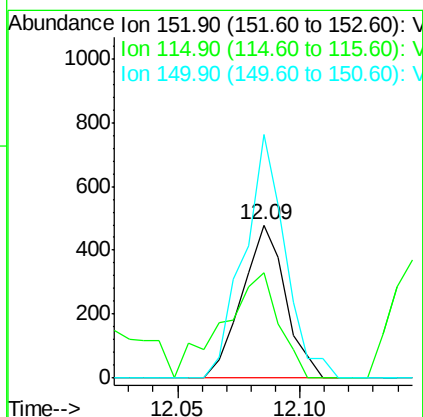
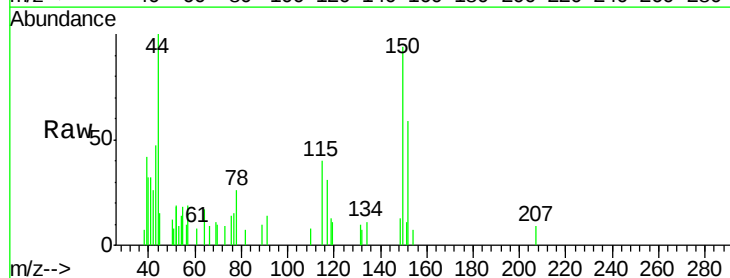
Instrument :
MSVOA_X
ClientSampled :
TP-5-WC-2

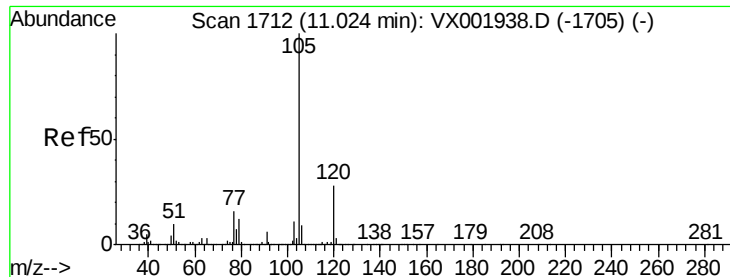
Tot Ion:106 Resp: 4468
Ion Ratio Lower Upper
106 100
91 226.1 108.7 325.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002055.D
Acq: 27 May 2018 08:16

Tgt Ion:152 Resp: 593
Ion Ratio Lower Upper
152 100
115 88.0 42.3 126.8
150 151.1 0.0 351.0





#73

Isopropylbenzene

Concen: 57.17 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002055.D

Acq: 27 May 2018 08:16

Instrument :

MSVOA_X

ClientSampled :

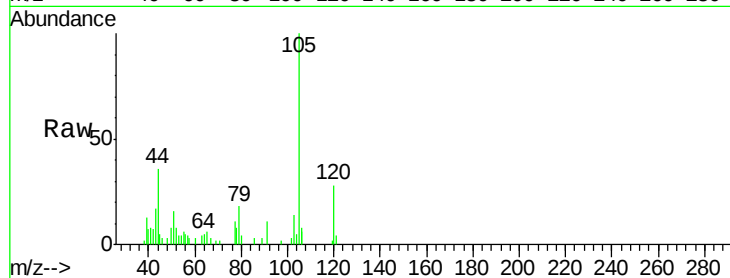
TP-5-WC-2

Tot Ion:105 Resp: 2871

Ion Ratio Lower Upper

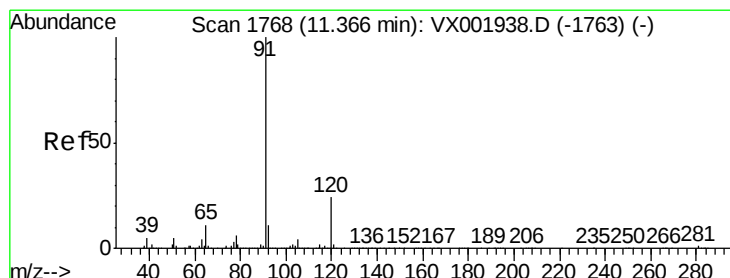
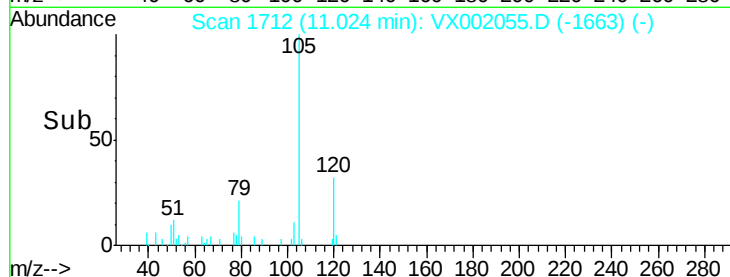
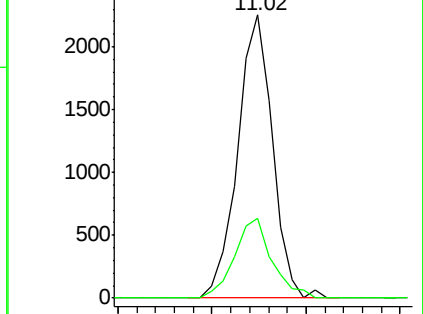
105 100

120 30.4 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 40.97 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002055.D

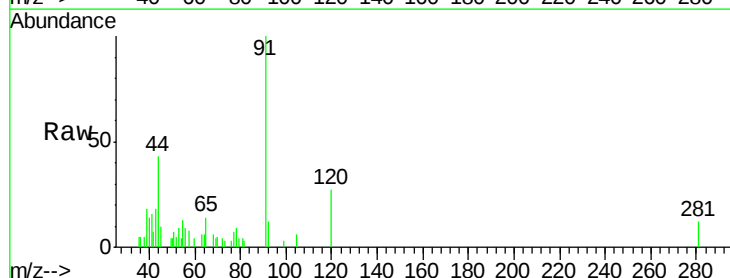
Acq: 27 May 2018 08:16

Tgt Ion: 91 Resp: 2304

Ion Ratio Lower Upper

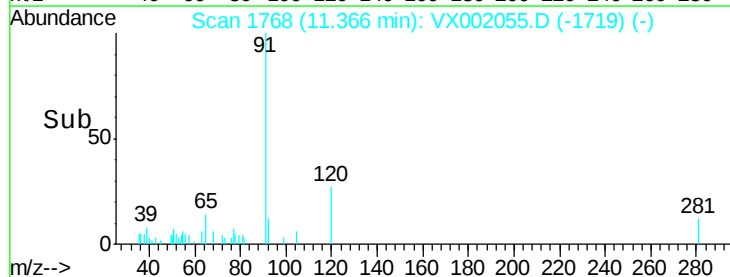
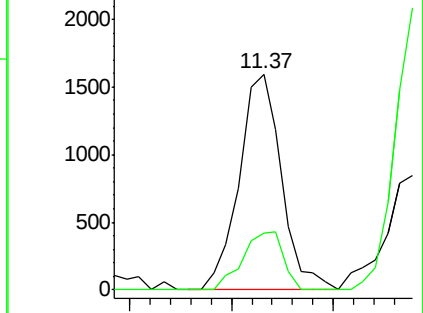
91 100

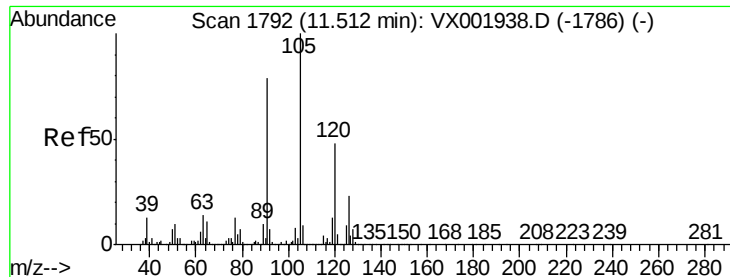
120 25.7 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

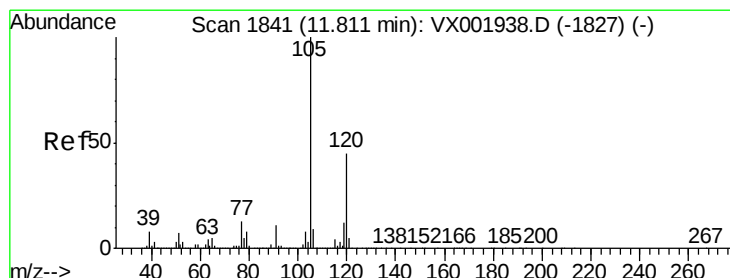
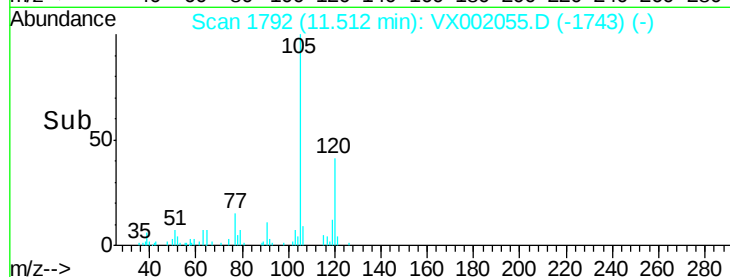
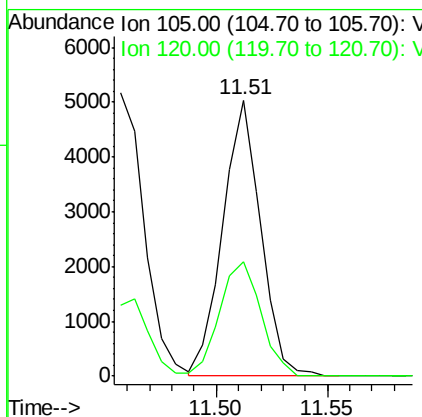
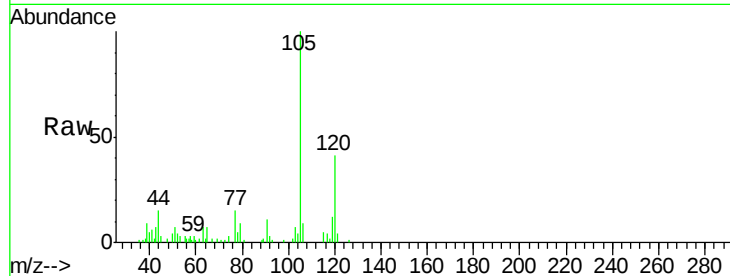




#80
 1,3,5-Trimethylbenzene
 Concen: 138.72 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX002055.D
 Acq: 27 May 2018 08:16

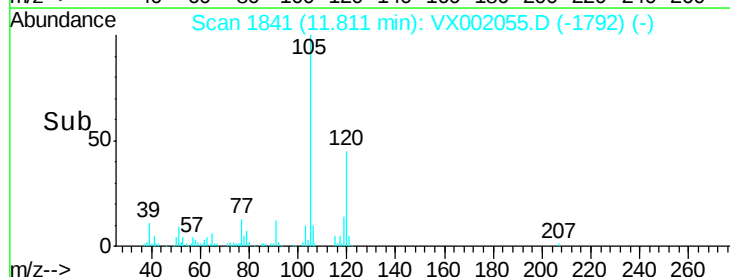
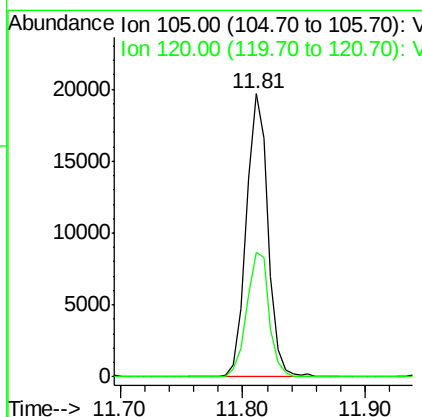
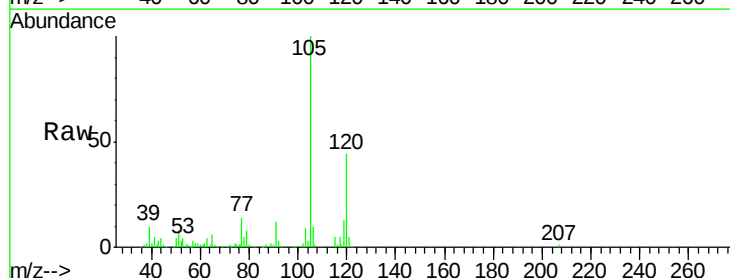
Instrument :
 MSVOA_X
 ClientSampled :
 TP-5-WC-2

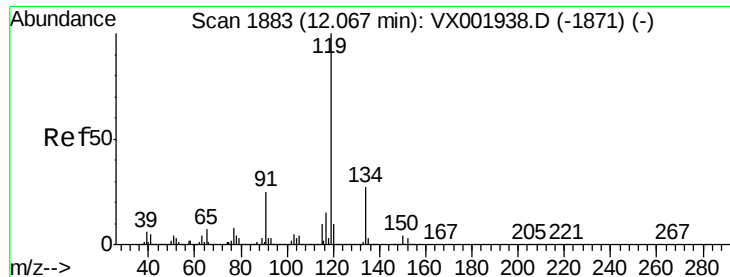
Tot Ion:105 Resp: 5953
 Ion Ratio Lower Upper
 105 100
 120 45.1 24.1 72.4



#84
 1,2,4-Trimethylbenzene
 Concen: 546.10 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002055.D
 Acq: 27 May 2018 08:16

Tgt Ion:105 Resp: 24218
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.1 66.5

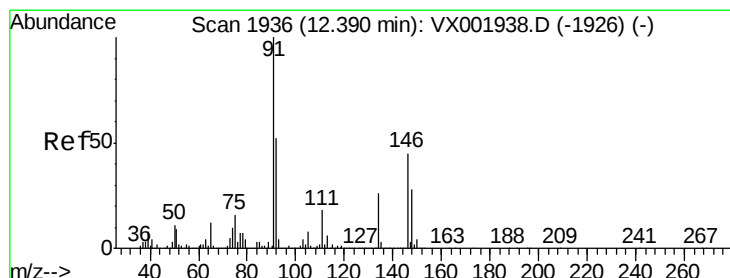
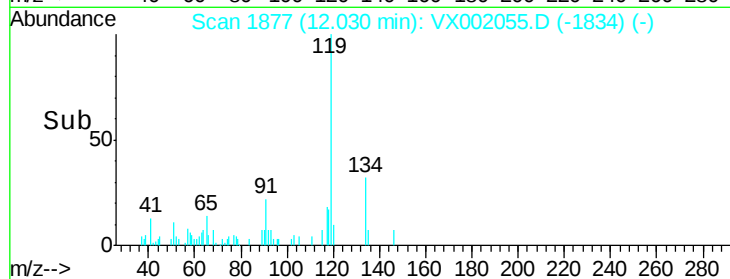
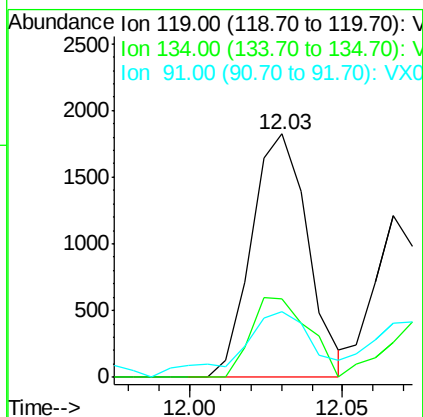
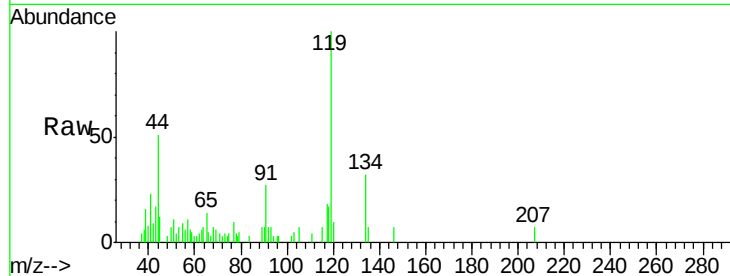




#86
p-Isopropyltoluene
Concen: 51.50 ug/l
RT: 12.03 min Scan# 1877
Delta R.T. -0.04 min
Lab File: VX002055.D
Acq: 27 May 2018 08:16

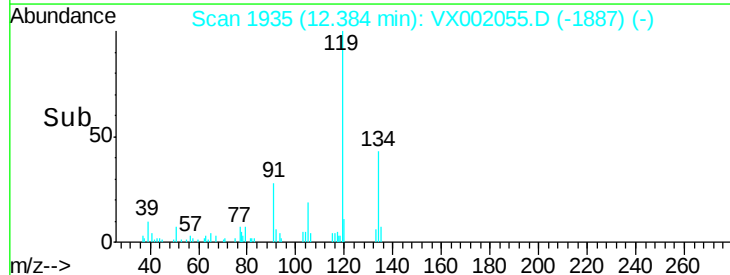
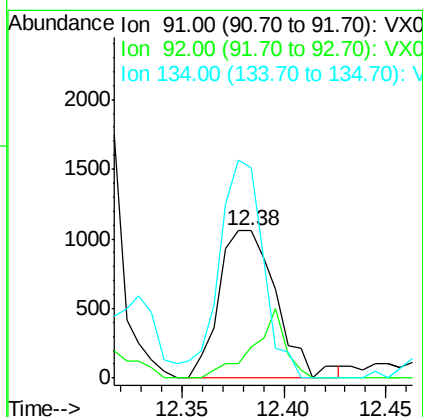
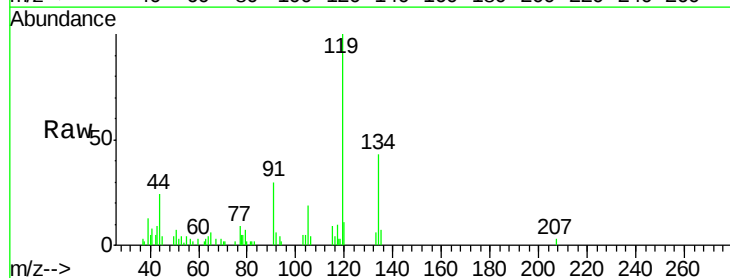
Instrument :
MSVOA_X
ClientSampleId :
TP-5-WC-2

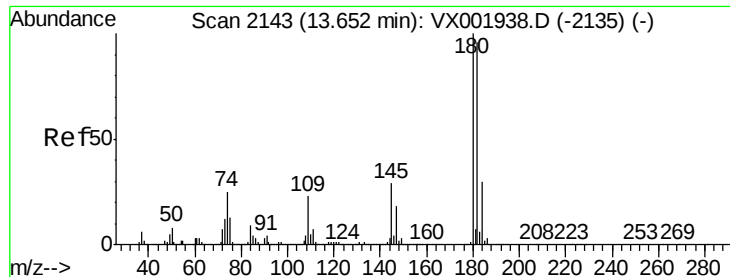
Tot Ion	Ratio	Lower	Upper
119	100		
134	33.5	13.6	40.8
91	34.6	12.2	36.4



#89
n-Butylbenzene
Concen: 54.19 ug/l
RT: 12.38 min Scan# 1935
Delta R.T. -0.01 min
Lab File: VX002055.D
Acq: 27 May 2018 08:16

Tgt Ion	Ratio	Lower	Upper
91	100		
92	26.6	26.3	78.9
134	112.9	13.6	40.7#





#93

1,2,4-Trichlorobenzene

Concen: 17.43 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VX002055.D

Acq: 27 May 2018 08:16

Instrument :

MSVOA_X

ClientSampleId :

TP-5-WC-2

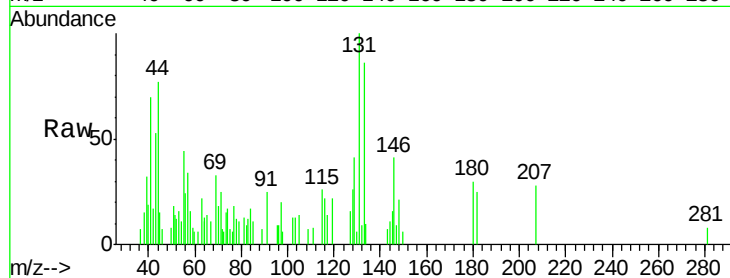
Tot Ion:180 Resp: 303

Ion Ratio Lower Upper

180 100

182 101.7 47.7 143.1

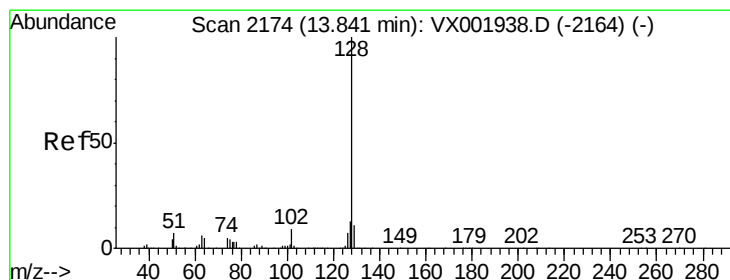
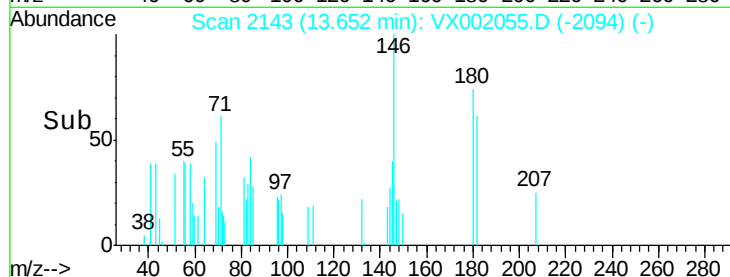
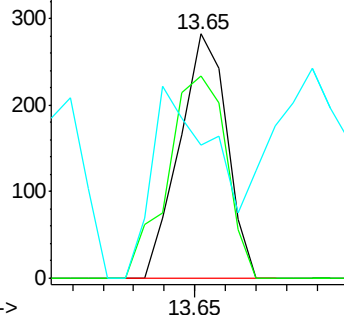
145 104.6 14.4 43.0#



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



#95

Naphthalene

Concen: 9640.35 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002055.D

Acq: 27 May 2018 08:16

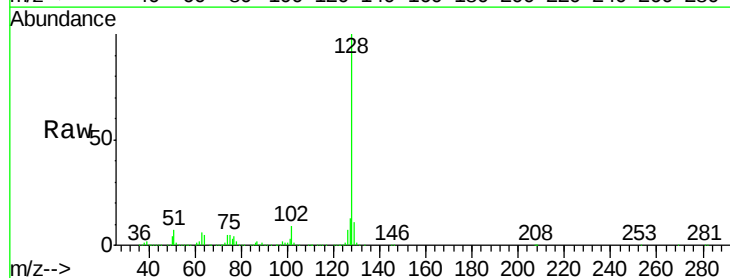
Tgt Ion:128 Resp: 516314

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

129 11.1 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

