

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062218\
 Data File : VX002850.D
 Acq On : 22 Jun 2018 23:58
 Operator : JC/MD
 Sample : J3692-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-02

Quant Time: Jun 23 01:39:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	232000	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	329128	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	300049	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	168616	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	157080	44.55	ug/l	0.00
Spiked Amount			Recovery	=	89.10%	
35) Dibromofluoromethane	5.51	113	123263	46.93	ug/l	0.00
Spiked Amount			Recovery	=	93.86%	
50) Toluene-d8	8.72	98	458702	45.99	ug/l	0.00
Spiked Amount			Recovery	=	91.98%	
62) 4-Bromofluorobenzene	11.14	95	158807	42.02	ug/l	0.00
Spiked Amount			Recovery	=	84.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.53	142	1397	5.52	ug/l	# 91
16) Acetone	2.45	43	25558	16.43	ug/l	99
25) 2-Butanone	4.72	43	3916	1.92	ug/l	92
29) Tetrahydrofuran	5.17	42	12745	9.52	ug/l	98
44) Trichloroethene	7.21	130	1875	0.62	ug/l	97
52) Toluene	8.79	92	1926	0.29	ug/l	97
68) m/p-Xylenes	10.36	106	1817	0.38	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	2653	0.27	ug/l	98
86) p-Isopropyltoluene	12.07	119	6793	0.66	ug/l	85
95) Naphthalene	13.84	128	661866	58.44	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002850.D

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MSVOA_X

ClientSampleId :

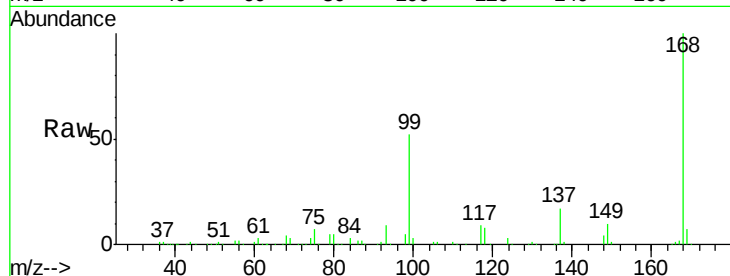
WC-02

Tot Ion:168 Resp: 232000

Ion Ratio Lower Upper

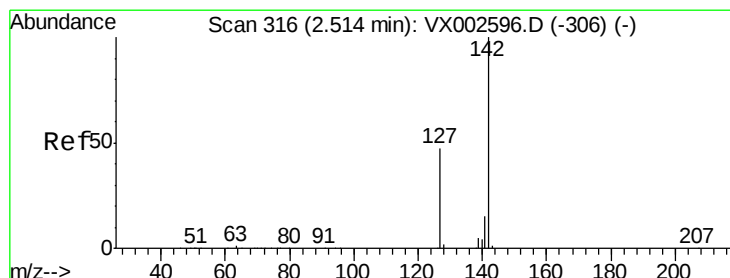
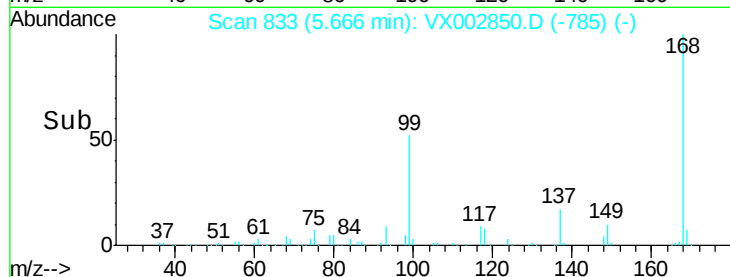
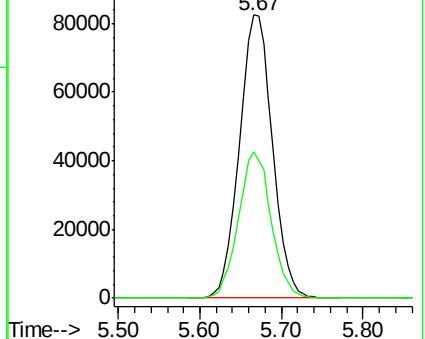
168 100

99 51.5 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#10

Methyl Iodide

Concen: 5.52 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX002850.D

Acq: 22 Jun 2018 23:58

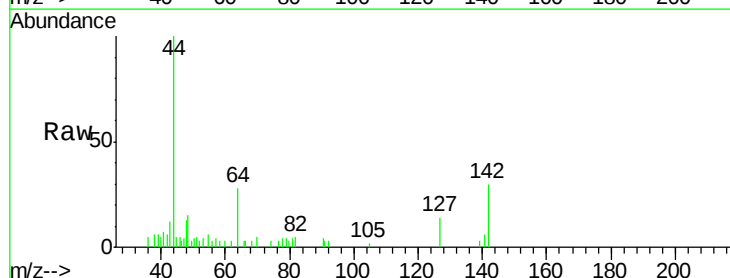
Tgt Ion:142 Resp: 1397

Ion Ratio Lower Upper

142 100

127 51.8 36.6 55.0

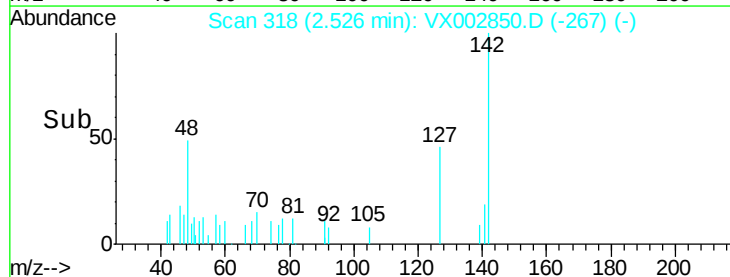
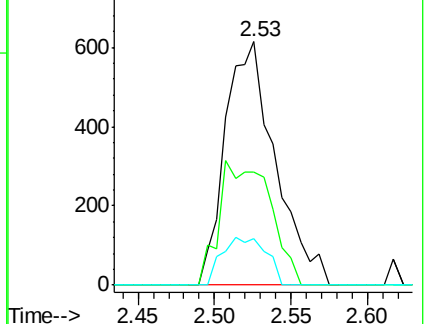
141 17.4 11.3 16.9#

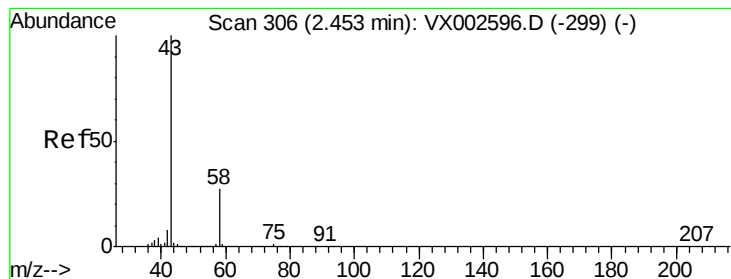


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 16.43 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002850.D

Acq: 22 Jun 2018 23:58

Instrument :

MSVOA_X

ClientSampled :

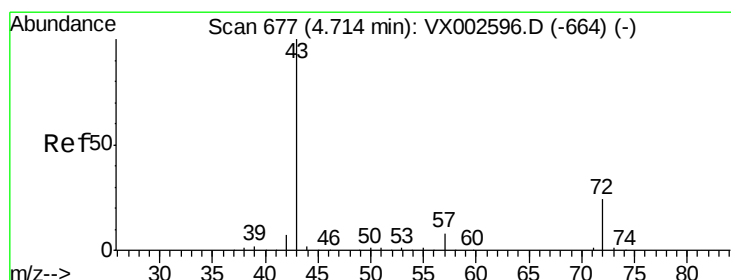
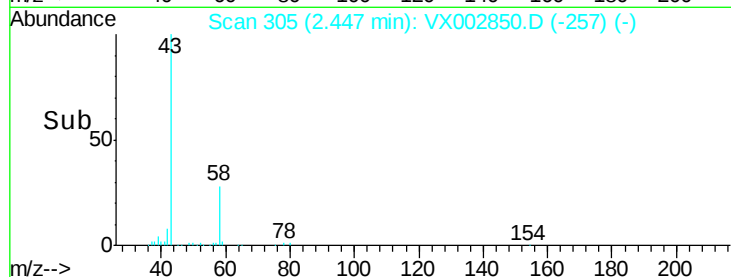
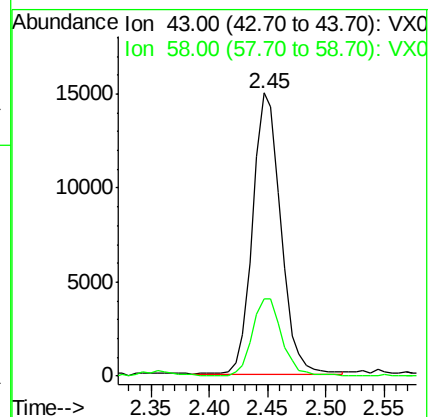
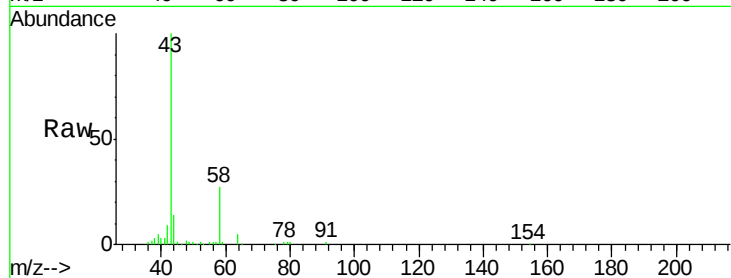
WC-02

Tot Ion: 43 Resp: 25558

Ion Ratio Lower Upper

43 100

58 27.3 22.1 33.1



#25

2-Butanone

Concen: 1.92 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX002850.D

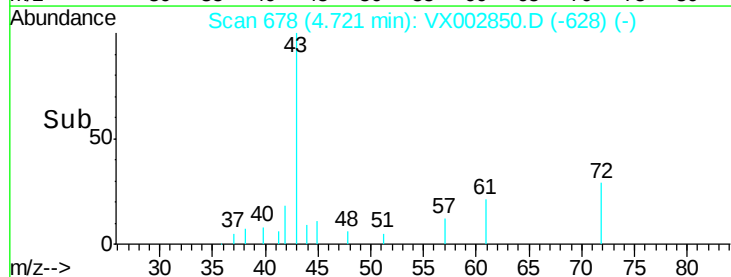
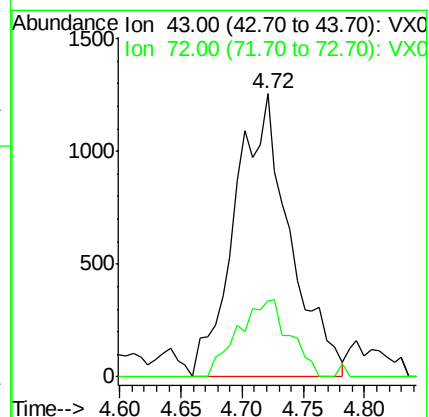
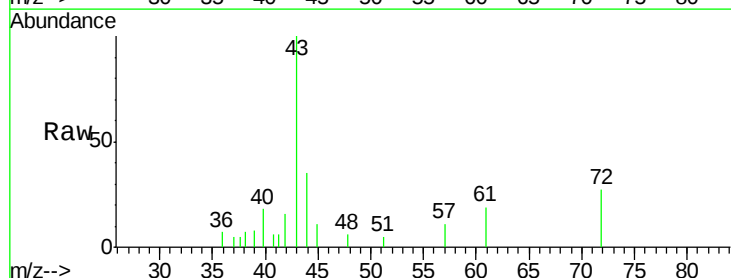
Acq: 22 Jun 2018 23:58

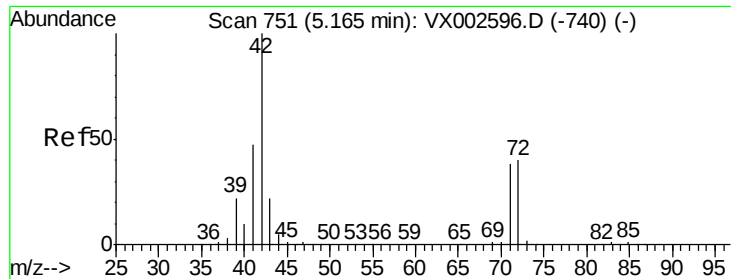
Tgt Ion: 43 Resp: 3916

Ion Ratio Lower Upper

43 100

72 26.9 18.5 27.7

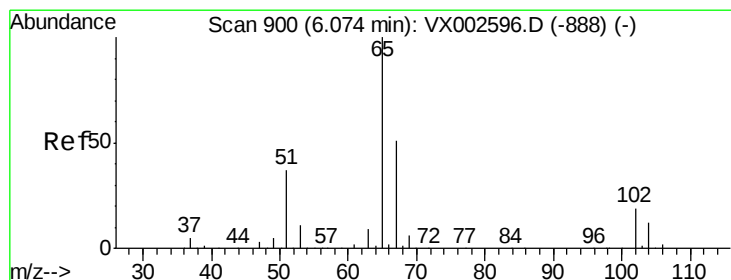
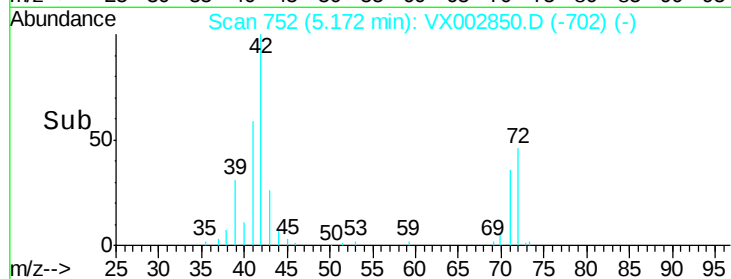
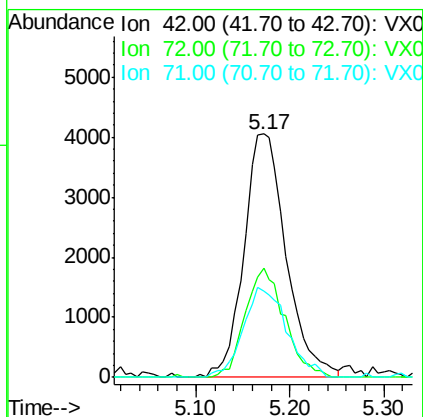
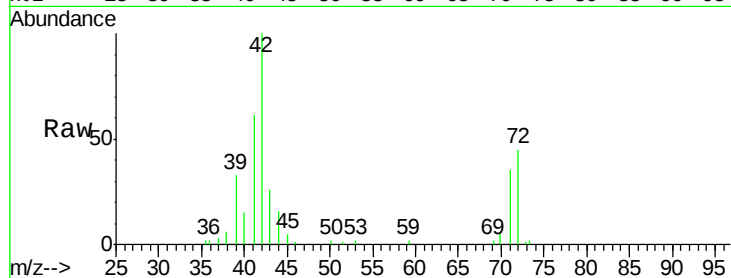




#29
Tetrahydrofuran
Concen: 9.52 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX002850.D
Acq: 22 Jun 2018 23:58

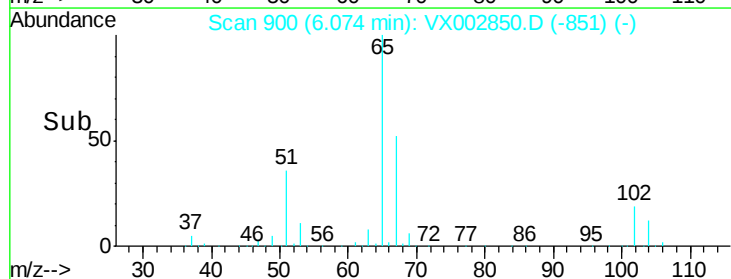
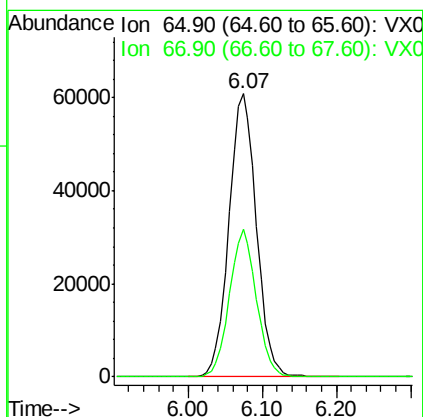
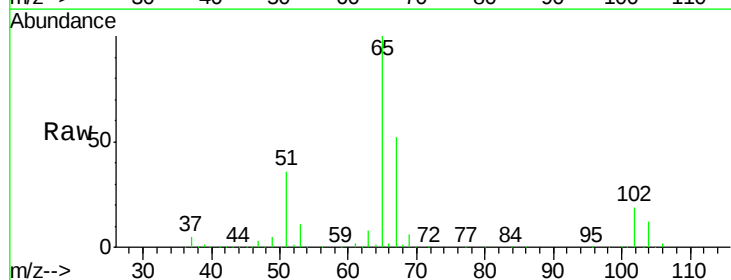
Instrument :
MSVOA_X
ClientSampled :
WC-02

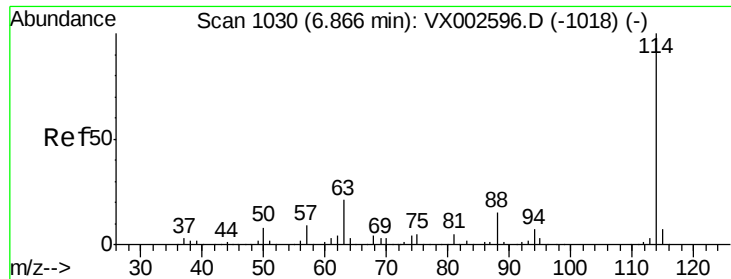
Tot Ion: 42 Resp: 12745
Ion Ratio Lower Upper
42 100
72 42.1 32.0 48.0
71 38.0 30.1 45.1



#33
1,2-Dichloroethane-d4
Concen: 44.55 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX002850.D
Acq: 22 Jun 2018 23:58

Tgt Ion: 65 Resp: 157080
Ion Ratio Lower Upper
65 100
67 51.0 0.0 102.6

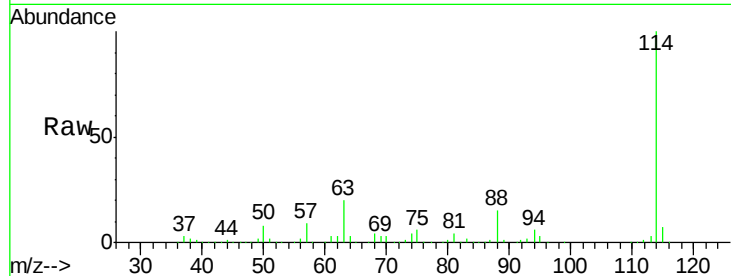




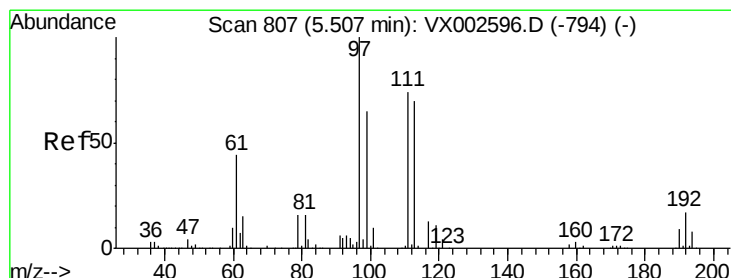
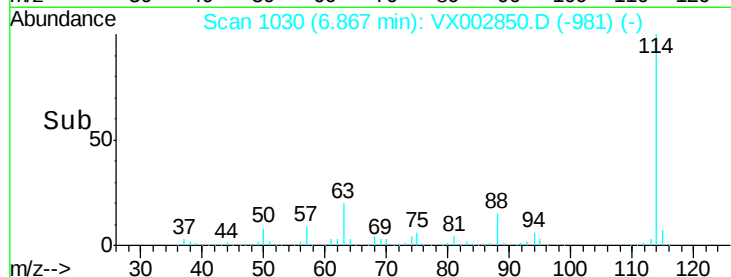
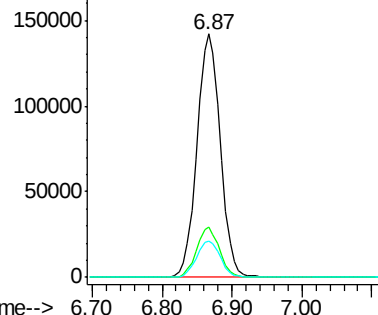
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002850.D
 Acq: 22 Jun 2018 23:58

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-02

Tot Ion:114 Resp: 329128
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 41.4
 88 14.9 0.0 30.0

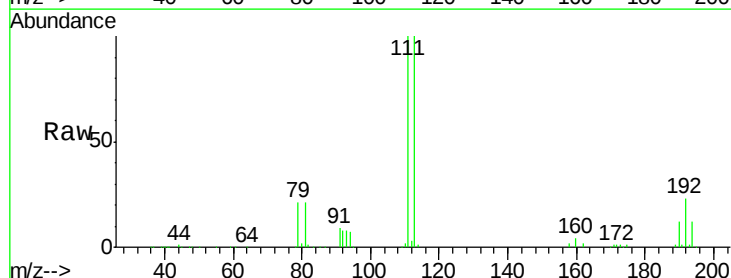


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

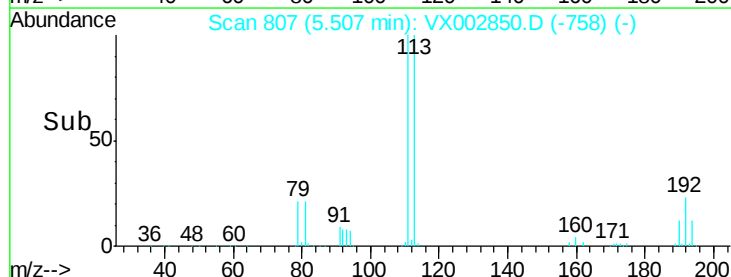
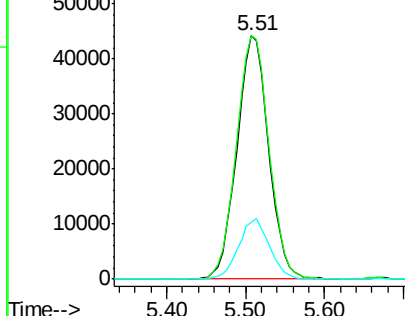


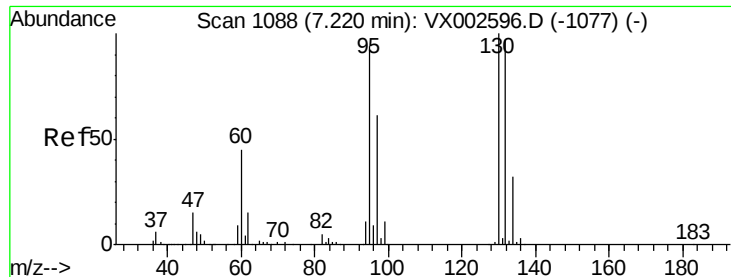
#35
 Dibromofluoromethane
 Concen: 46.93 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX002850.D
 Acq: 22 Jun 2018 23:58

Tgt Ion:113 Resp: 123263
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.4 122.0
 192 24.1 19.1 28.7



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: 0.62 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VX002850.D

Acq: 22 Jun 2018 23:58

Instrument :

MSVOA_X

ClientSampleId :

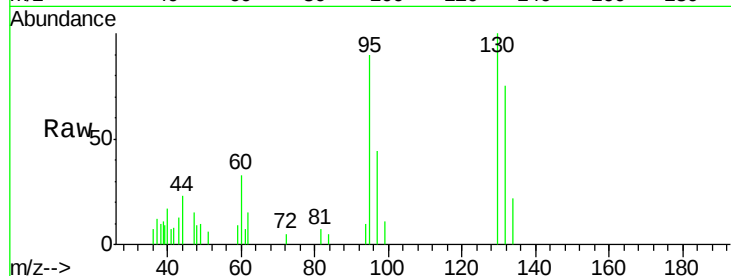
WC-02

Tot Ion:130 Resp: 1875

Ion Ratio Lower Upper

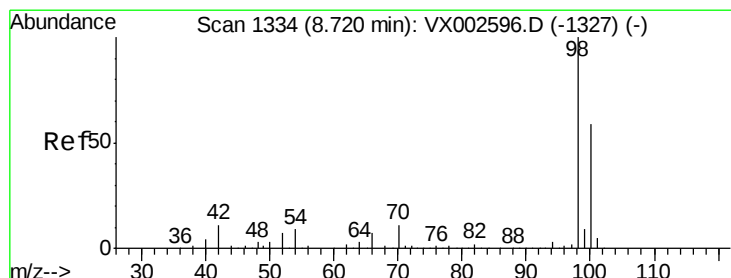
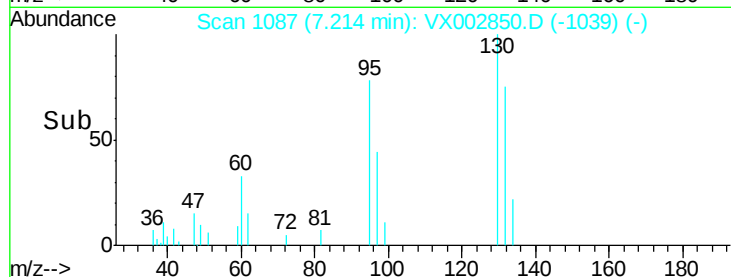
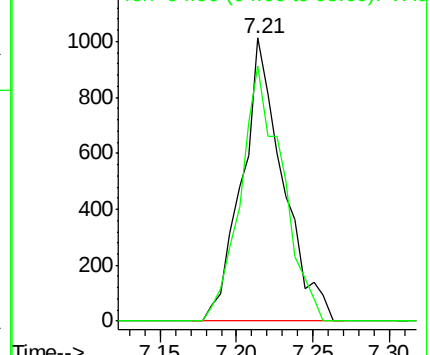
130 100

95 90.2 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 45.99 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002850.D

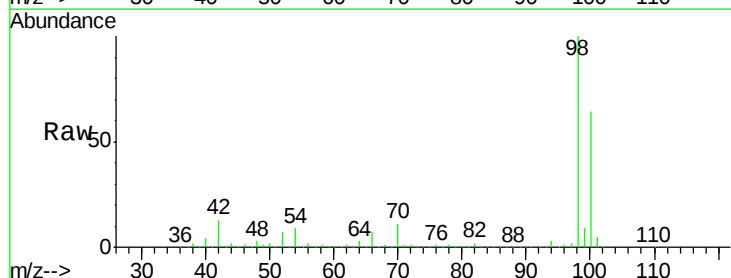
Acq: 22 Jun 2018 23:58

Tgt Ion: 98 Resp: 458702

Ion Ratio Lower Upper

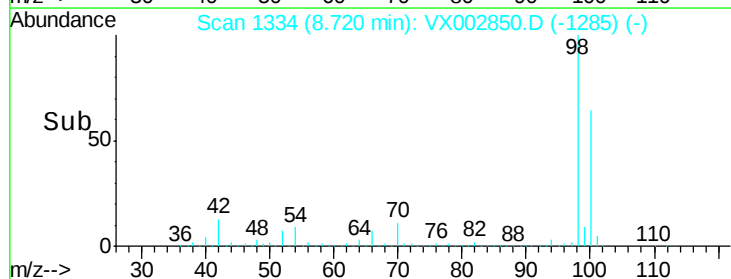
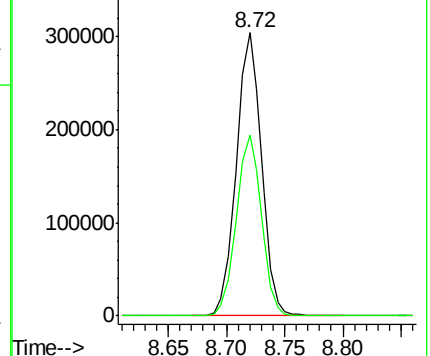
98 100

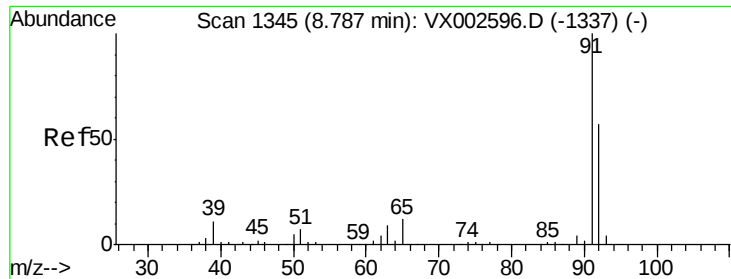
100 64.0 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 0.29 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.01 min

Lab File: VX002850.D

Acq: 22 Jun 2018 23:58

Instrument :

MSVOA_X

ClientSampleId :

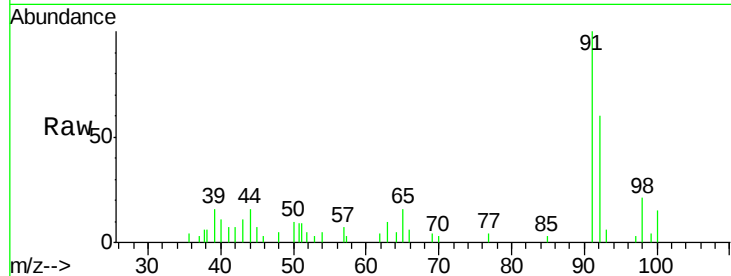
WC-02

Tot Ion: 92 Resp: 1926

Ion Ratio Lower Upper

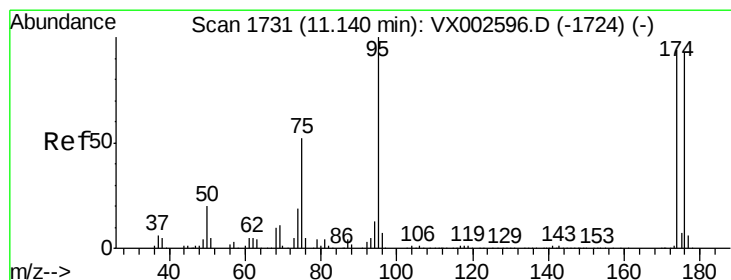
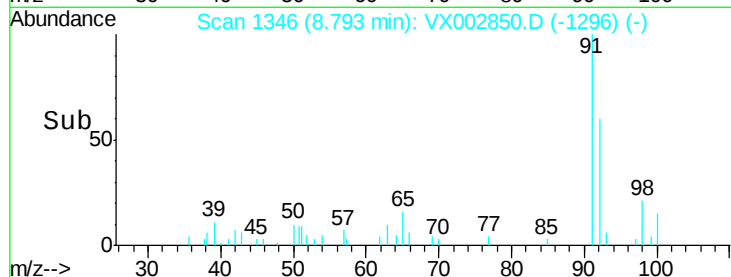
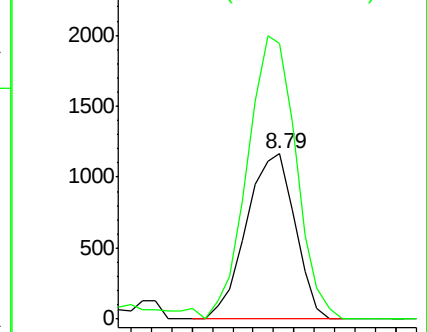
92 100

91 171.2 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 42.02 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002850.D

Acq: 22 Jun 2018 23:58

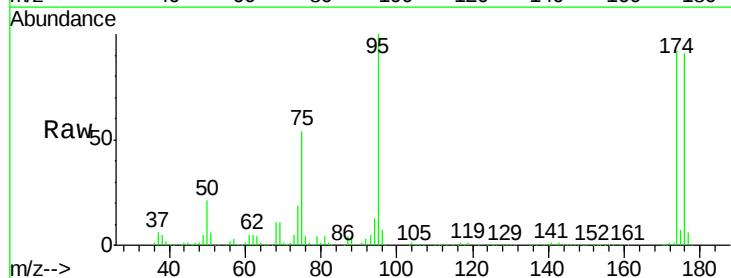
Tgt Ion: 95 Resp: 158807

Ion Ratio Lower Upper

95 100

174 96.3 0.0 187.4

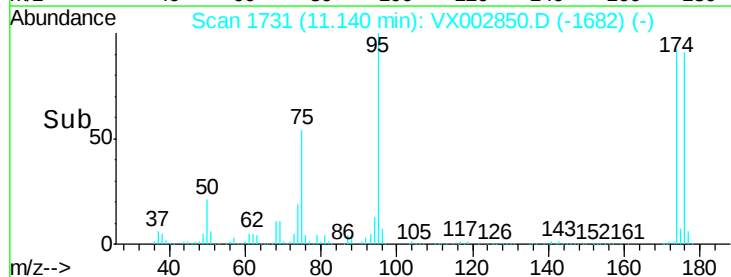
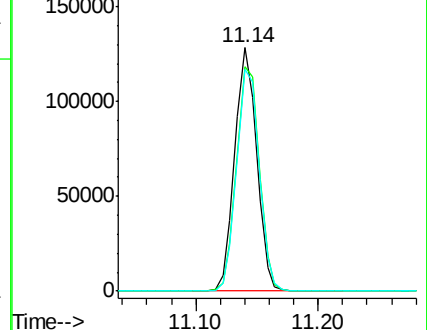
176 93.9 0.0 181.0

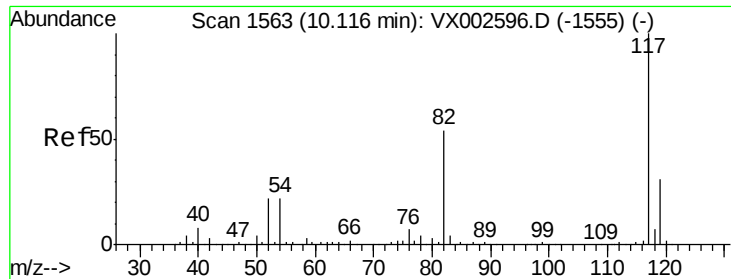


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

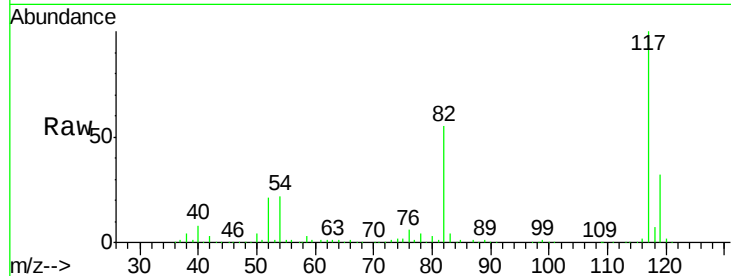




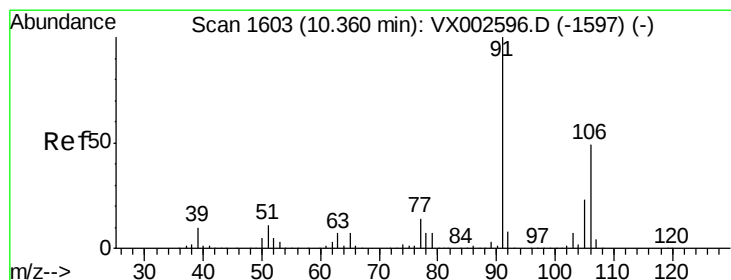
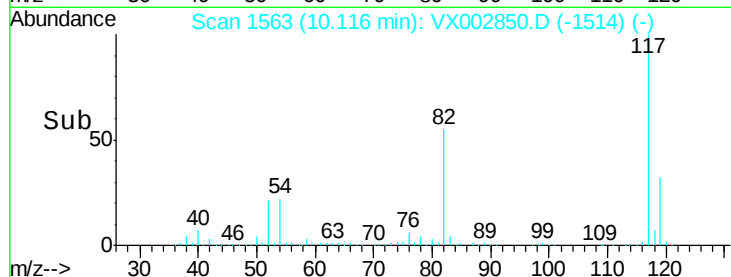
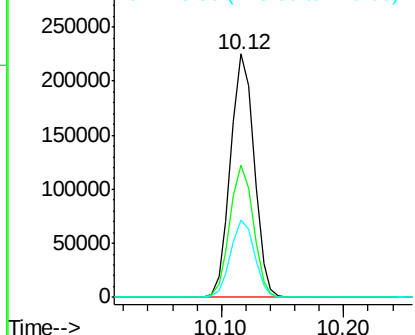
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002850.D
Acq: 22 Jun 2018 23:58

Instrument :
MSVOA_X
ClientSampleId :
WC-02

Tot Ion:117 Resp: 300049
Ion Ratio Lower Upper
117 100
82 54.6 45.0 67.4
119 31.5 25.8 38.6

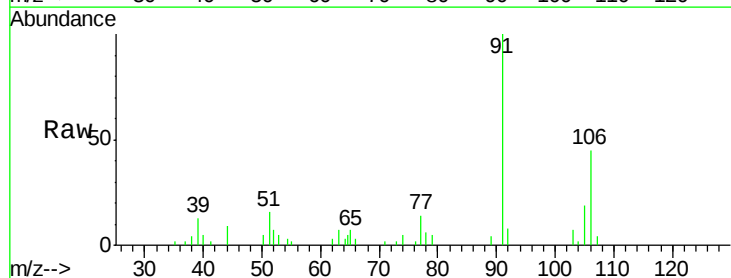


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

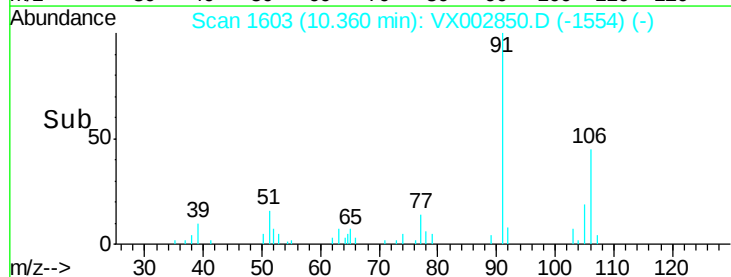
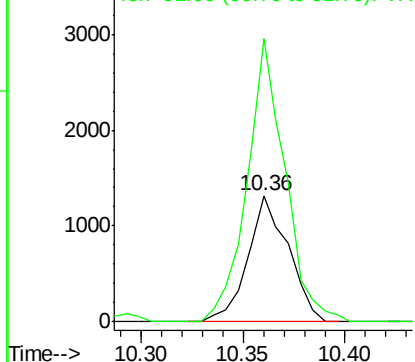


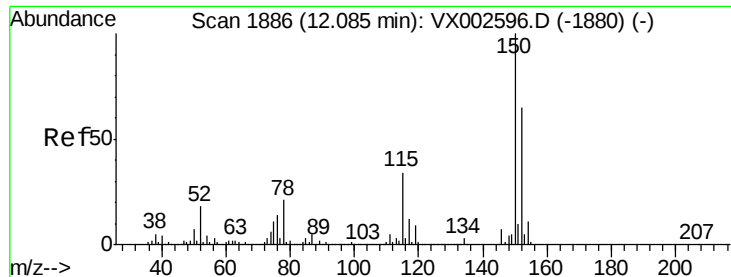
#68
m/p-Xylenes
Concen: 0.38 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX002850.D
Acq: 22 Jun 2018 23:58

Tgt Ion:106 Resp: 1817
Ion Ratio Lower Upper
106 100
91 210.2 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002850.D

Acq: 22 Jun 2018 23:58

Instrument :

MSVOA_X

ClientSampled :

WC-02

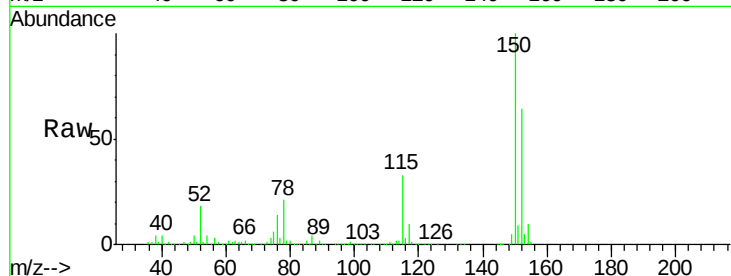
Tot Ion:152 Resp: 168616

Ion Ratio Lower Upper

152 100

115 54.4 40.1 120.2

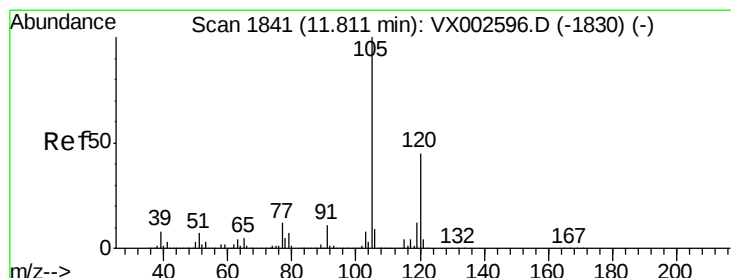
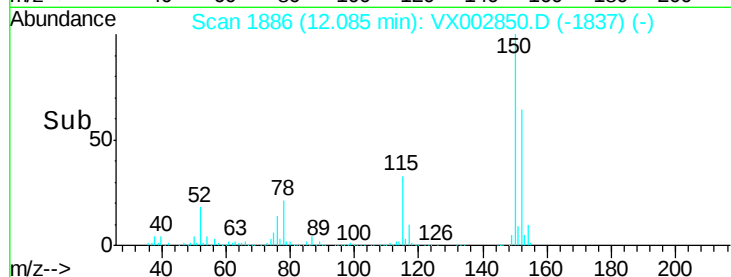
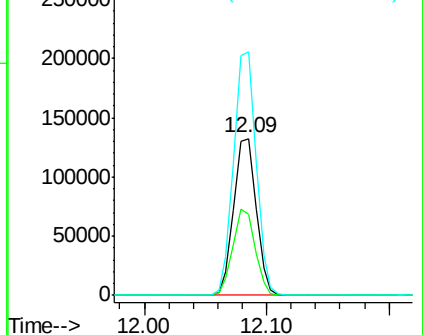
150 155.2 0.0 347.2



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



#84

1,2,4-Trimethylbenzene

Concen: 0.27 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX002850.D

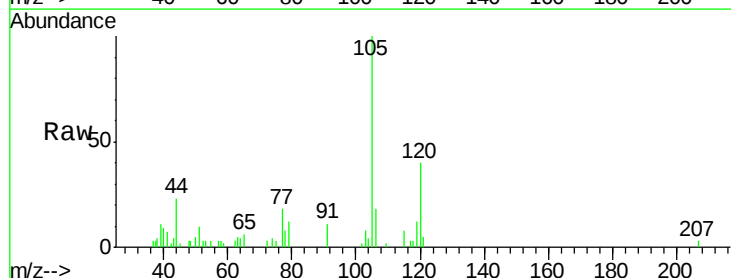
Acq: 22 Jun 2018 23:58

Tgt Ion:105 Resp: 2653

Ion Ratio Lower Upper

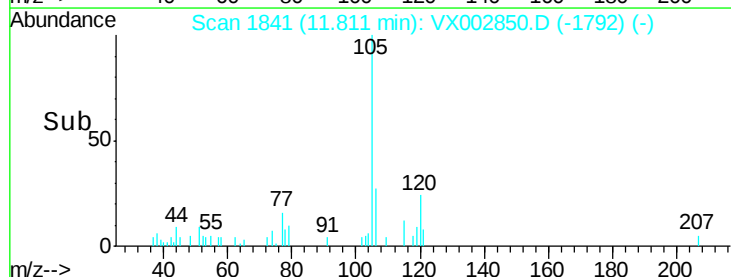
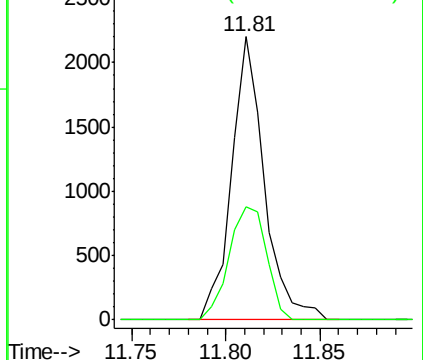
105 100

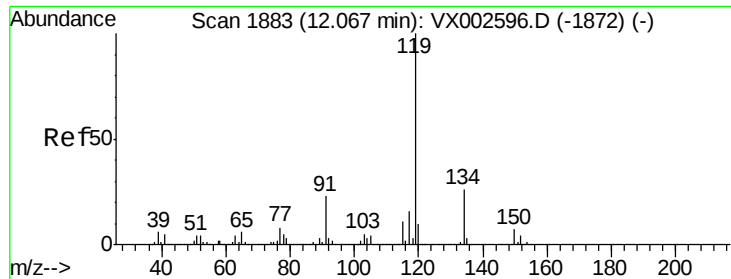
120 45.7 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

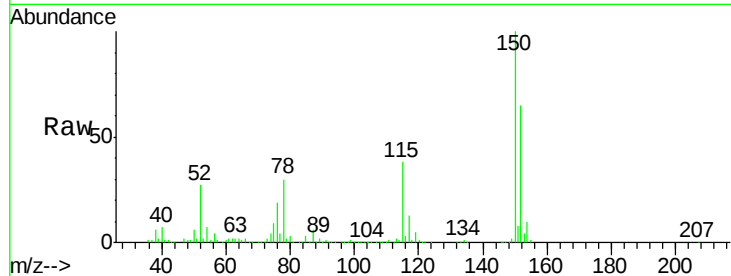




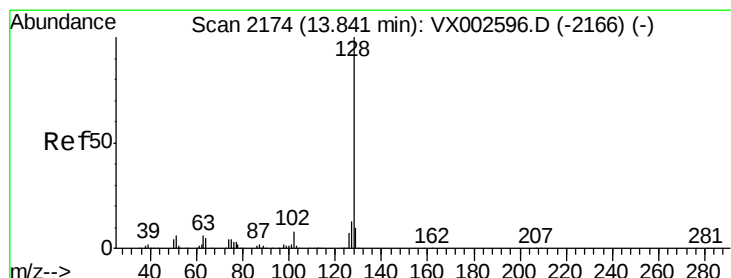
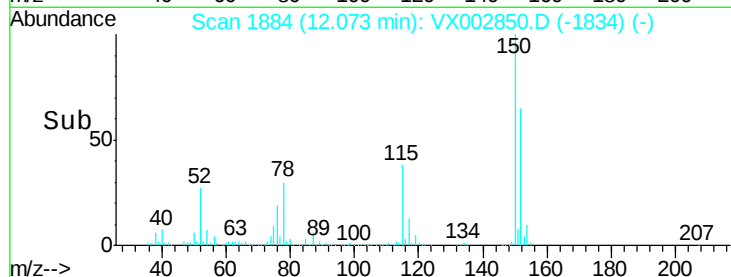
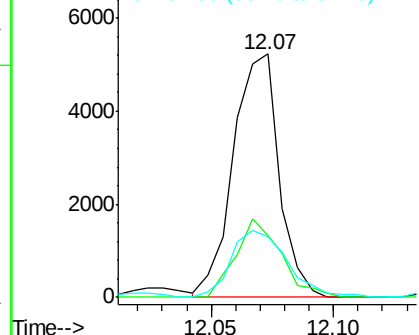
#86
p-Isopropyltoluene
Concen: 0.66 ug/l
RT: 12.07 min Scan# 1884
Delta R.T. 0.01 min
Lab File: VX002850.D
Acq: 22 Jun 2018 23:58

Instrument :
MSVOA_X
ClientSampleId :
WC-02

Tot Ion	Ratio	Lower	Upper
119	100		
134	32.0	13.4	40.1
91	33.9	11.9	35.7

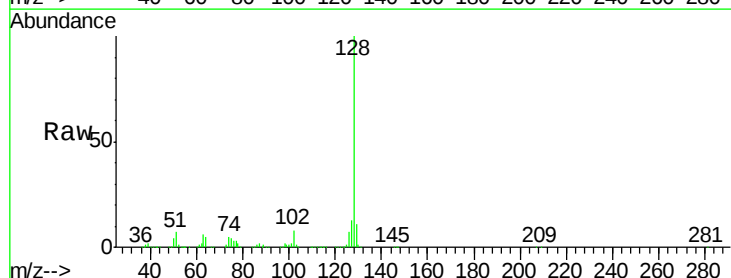


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V



#95
Naphthalene
Concen: 58.44 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX002850.D
Acq: 22 Jun 2018 23:58

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.8	8.6	13.0



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

