

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091818\
 Data File : VX004659.D
 Acq On : 18 Sep 2018 15:49
 Operator : JC/MD
 Sample : J4906-05
 Misc : 4.08g/5mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP-PIT-1

Quant Time: Sep 19 04:04:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	220005	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.85	114	357468	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	312973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	195934	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	132577	46.74	ug/l	0.00
Spiked Amount			Recovery	=	93.48%	
35) Dibromofluoromethane	5.50	113	116890	35.73	ug/l	0.00
Spiked Amount			Recovery	=	71.46%	
50) Toluene-d8	8.71	98	474740	43.28	ug/l	0.00
Spiked Amount			Recovery	=	86.56%	
62) 4-Bromofluorobenzene	11.14	95	197297	50.39	ug/l	0.00
Spiked Amount			Recovery	=	100.78%	

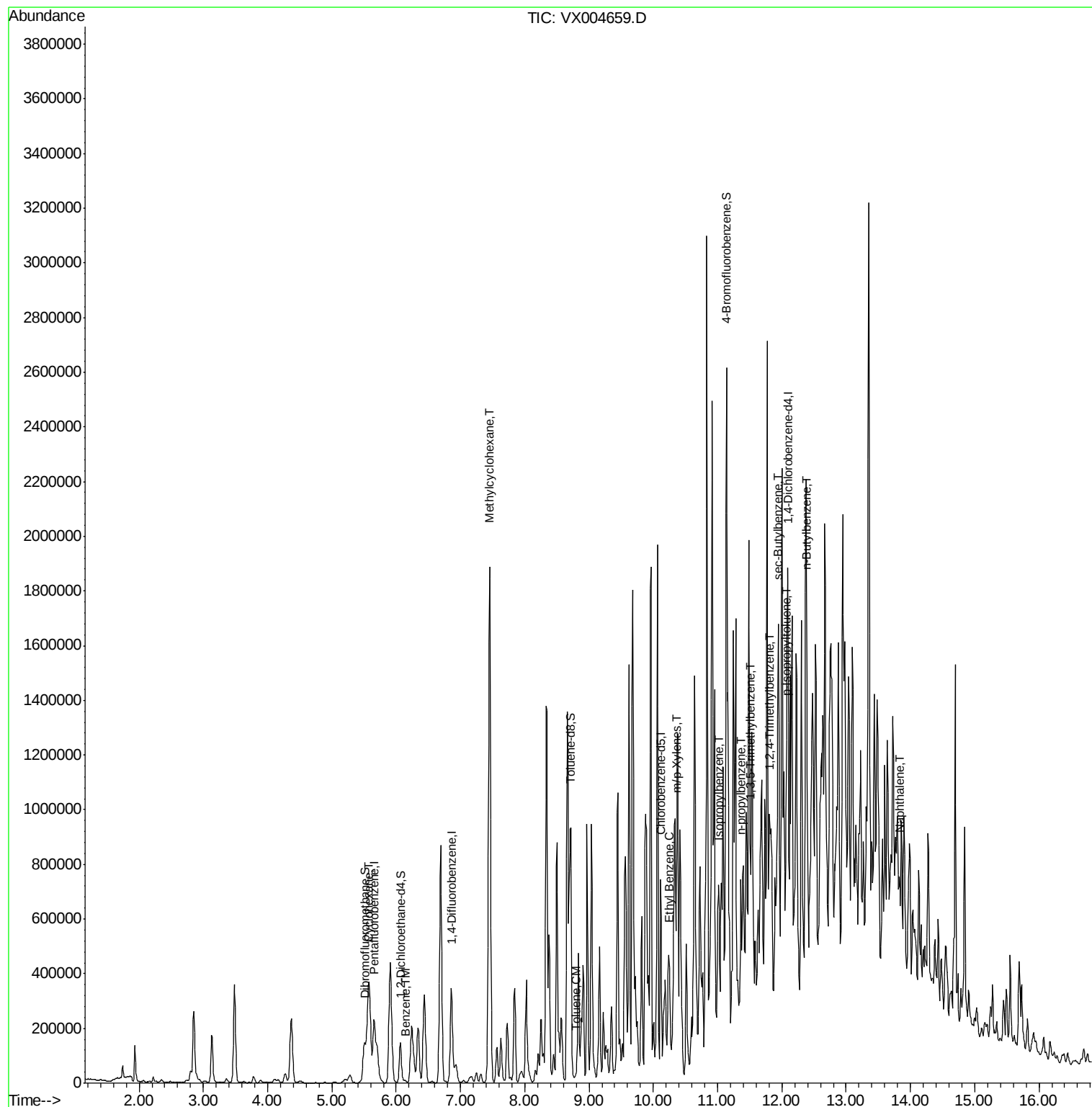
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.56	56	225862	55.04	ug/l	# 78
39) Methylcyclohexane	7.46	83	867224	191.49	ug/l	93
40) Benzene	6.14	78	10460	0.81	ug/l	95
52) Toluene	8.79	92	5430	0.72	ug/l	91
67) Ethyl Benzene	10.26	91	78013	6.17	ug/l	96
68) m/p-Xylenes	10.36	106	19460	4.00	ug/l	77
73) Isopropylbenzene	11.02	105	177240	13.74	ug/l	100
78) n-propylbenzene	11.37	91	331991	22.38	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	70882	6.53	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	78966	7.13	ug/l	98
85) sec-Butylbenzene	11.95	105	149288	11.34	ug/l	99
86) p-Isopropyltoluene	12.07	119	155941	13.42	ug/l	97
89) n-Butylbenzene	12.39	91	245164	23.15	ug/l	# 62
95) Naphthalene	13.83	128	154491	11.55	ug/l	# 92

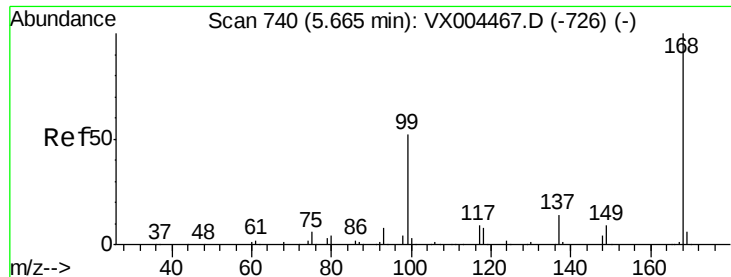
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX004659.D

Acq: 18 Sep 2018 15:49

Instrument :

MSVOA_X

ClientSampleId :

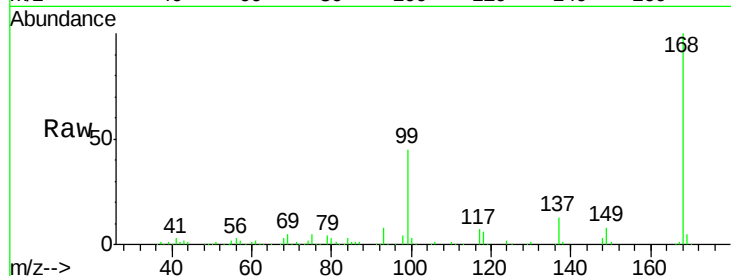
SP-PIT-1

Tot Ion:168 Resp: 220005

Ion Ratio Lower Upper

168 100

99 45.3 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

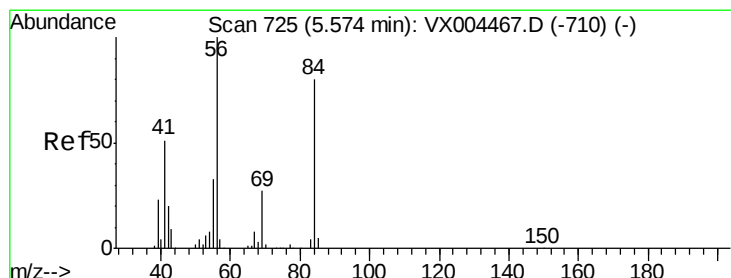
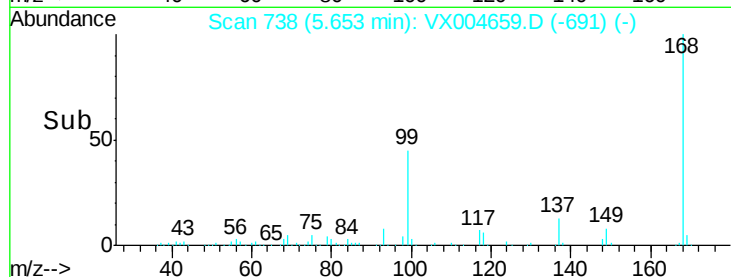
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 55.04 ug/l

RT: 5.56 min Scan# 723

Delta R.T. -0.01 min

Lab File: VX004659.D

Acq: 18 Sep 2018 15:49

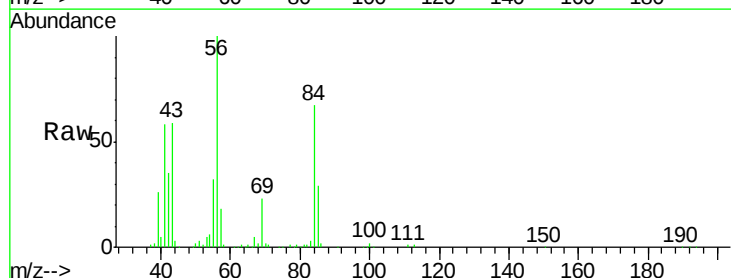
Tgt Ion: 56 Resp: 225862

Ion Ratio Lower Upper

56 100

69 22.2 25.4 38.2#

84 66.9 71.4 107.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

5.56

80000

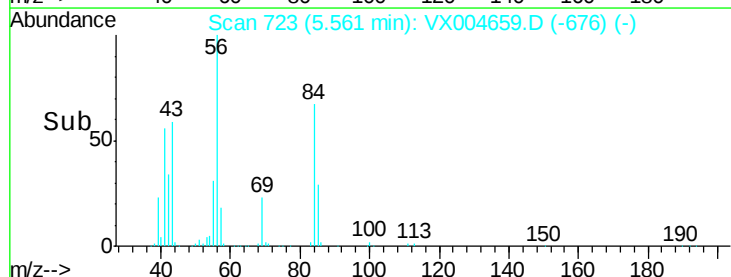
60000

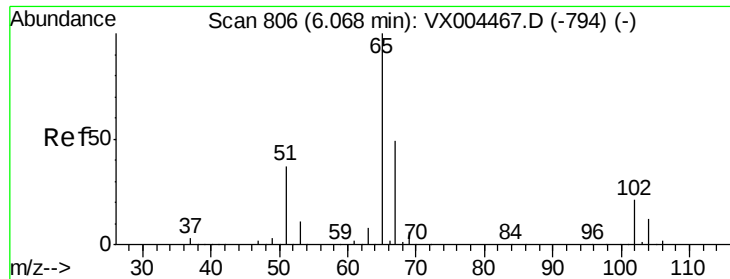
40000

20000

0

Time--> 5.40 5.50 5.60 5.70





#33

1,2-Dichloroethane-d4

Concen: 46.74 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX004659.D

Acq: 18 Sep 2018 15:49

Instrument :

MSVOA_X

ClientSampled :

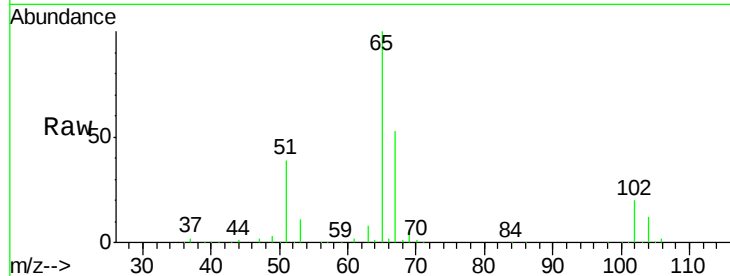
SP-PIT-1

Tot Ion: 65 Resp: 132577

Ion Ratio Lower Upper

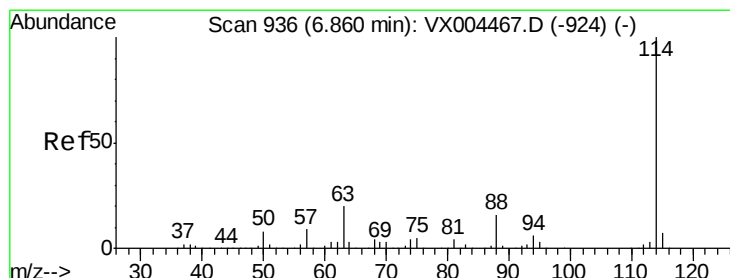
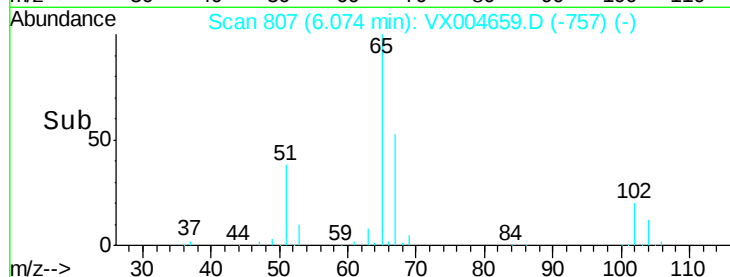
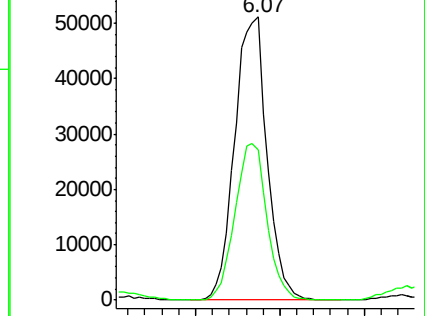
65 100

67 54.7 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX004659.D

Acq: 18 Sep 2018 15:49

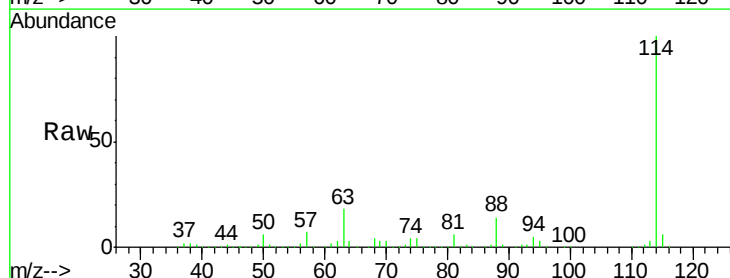
Tgt Ion: 114 Resp: 357468

Ion Ratio Lower Upper

114 100

63 17.9 0.0 39.0

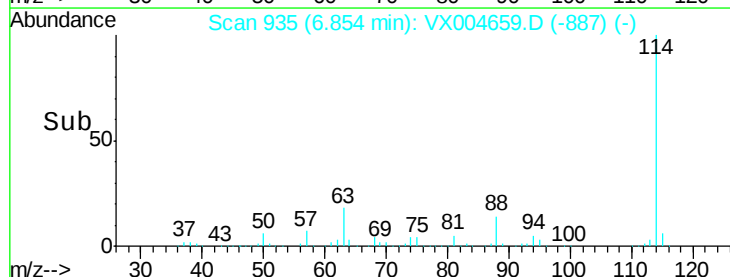
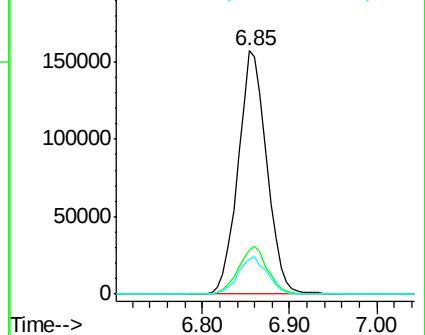
88 14.2 0.0 30.4

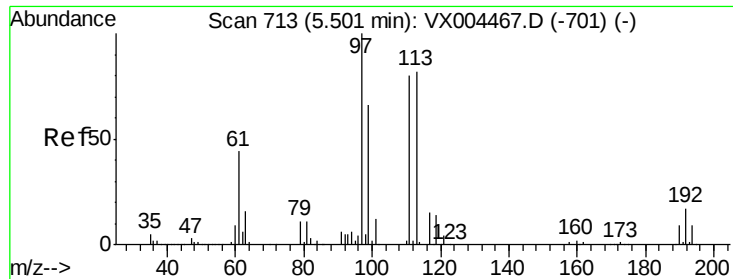


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

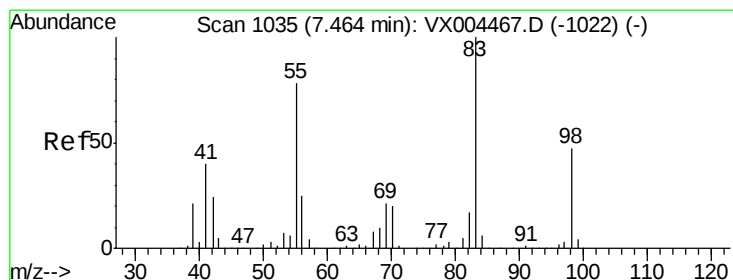
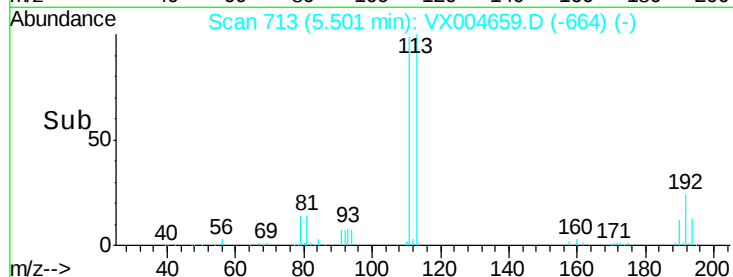
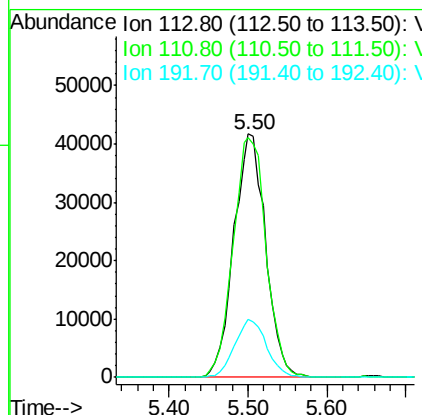
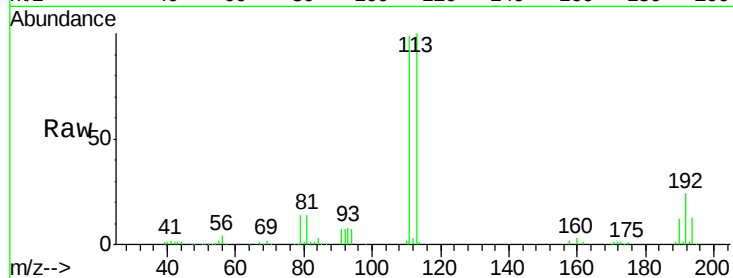




#35
 Dibromofluoromethane
 Concen: 35.73 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004659.D
 Acq: 18 Sep 2018 15:49

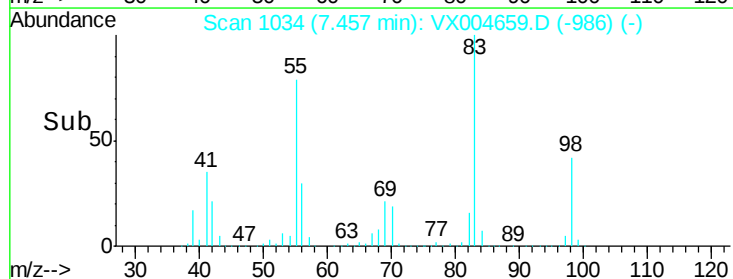
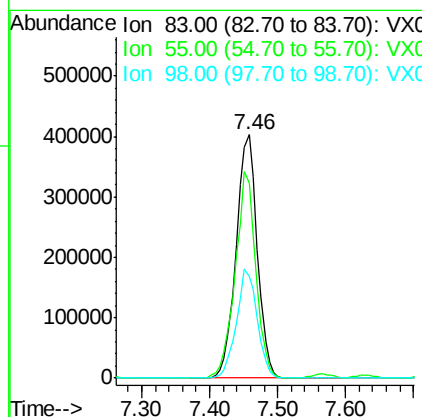
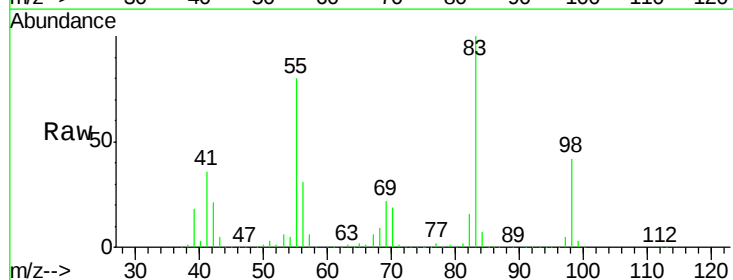
Instrument :
 MSVOA_X
 ClientSampled :
 SP-PIT-1

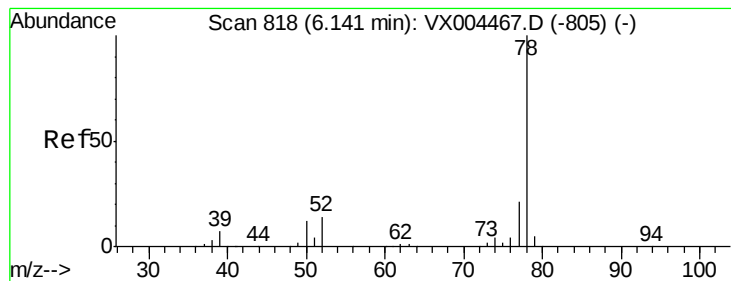
Tot Ion:113 Resp: 116890
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.4 123.6
 192 23.9 19.4 29.2



#39
 Methylcyclohexane
 Concen: 191.49 ug/l
 RT: 7.46 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: VX004659.D
 Acq: 18 Sep 2018 15:49

Tgt Ion: 83 Resp: 867224
 Ion Ratio Lower Upper
 83 100
 55 79.9 61.0 91.4
 98 41.7 39.6 59.4





#40

Benzene

Concen: 0.81 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX004659.D

Acq: 18 Sep 2018 15:49

Instrument :

MSVOA_X

ClientSampleId :

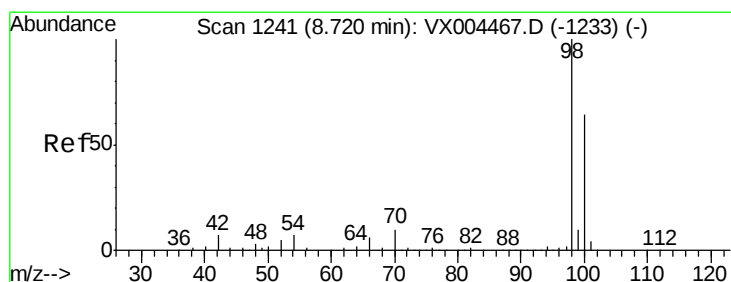
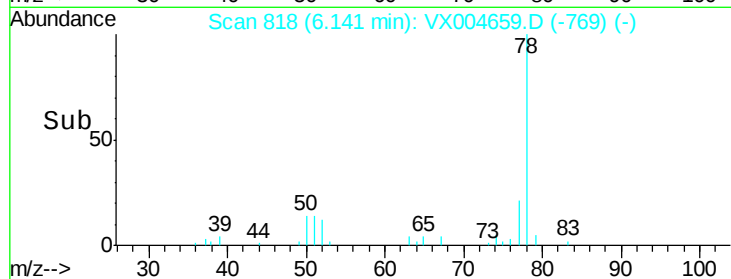
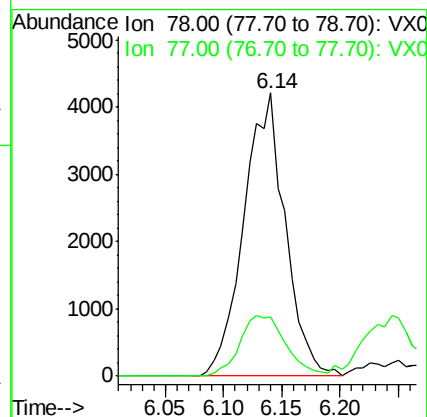
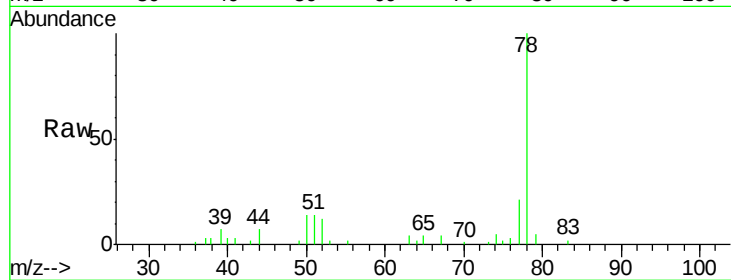
SP-PIT-1

Tot Ion: 78 Resp: 10460

Ion Ratio Lower Upper

78 100

77 21.1 19.0 28.4



#50

Toluene-d8

Concen: 43.28 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VX004659.D

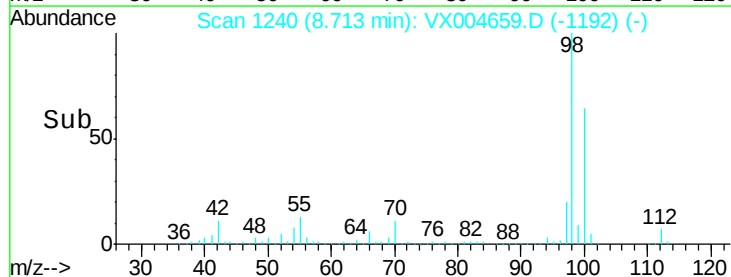
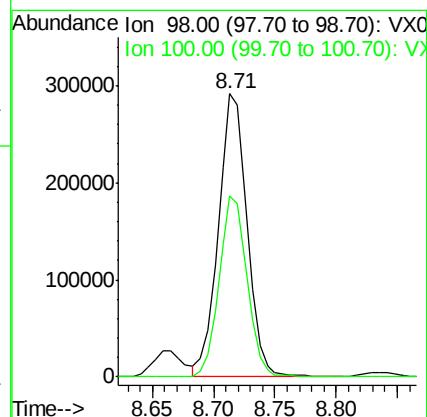
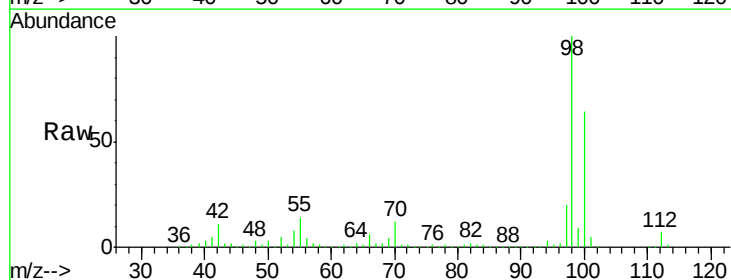
Acq: 18 Sep 2018 15:49

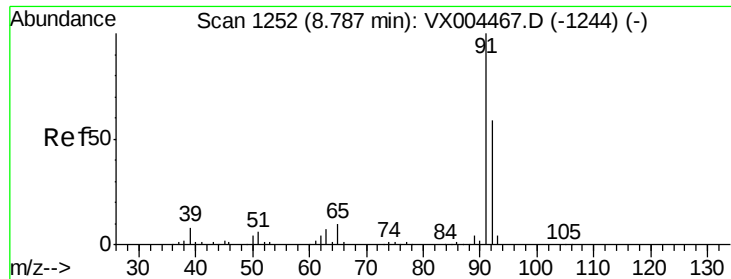
Tgt Ion: 98 Resp: 474740

Ion Ratio Lower Upper

98 100

100 62.8 52.9 79.3





#52

Toluene

Concen: 0.72 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004659.D

Acq: 18 Sep 2018 15:49

Instrument :

MSVOA_X

ClientSampled :

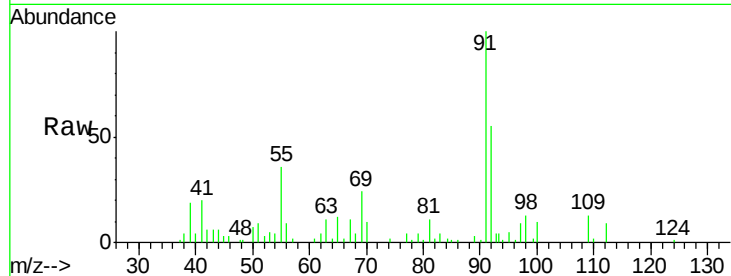
SP-PIT-1

Tot Ion: 92 Resp: 5430

Ion Ratio Lower Upper

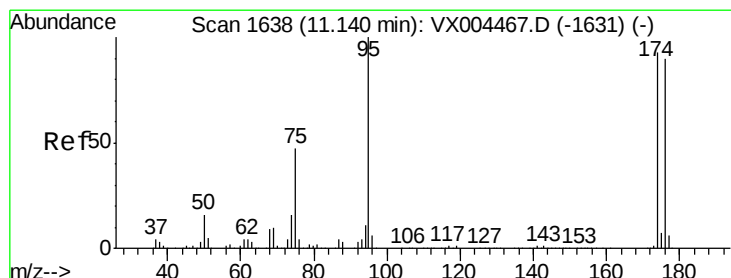
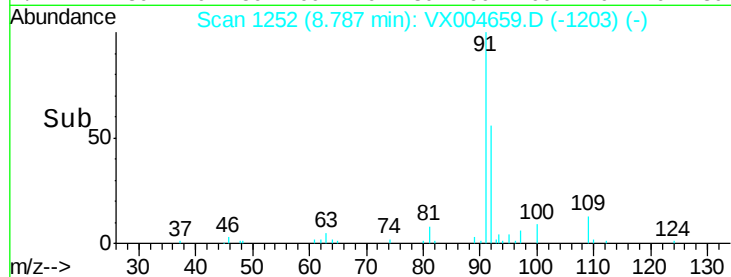
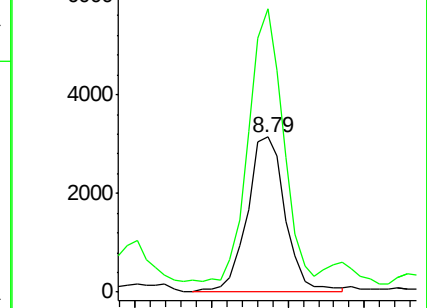
92 100

91 157.7 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 50.39 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004659.D

Acq: 18 Sep 2018 15:49

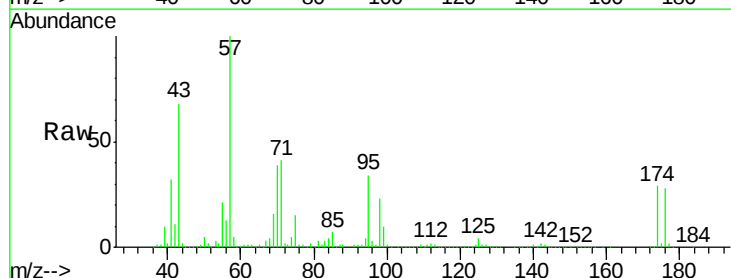
Tgt Ion: 95 Resp: 197297

Ion Ratio Lower Upper

95 100

174 86.5 0.0 185.2

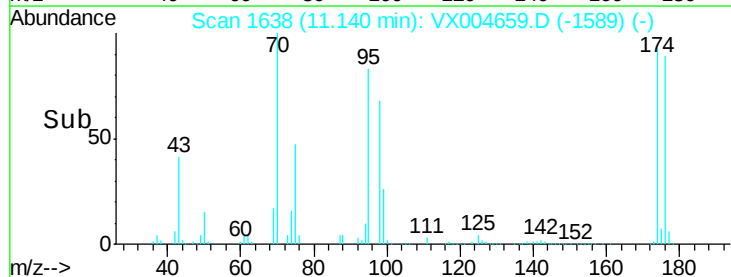
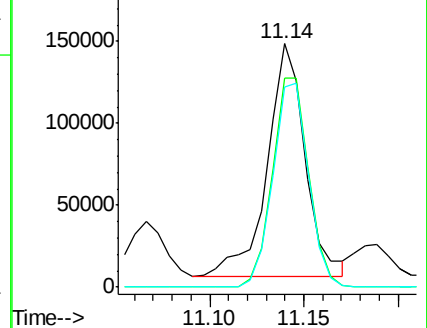
176 83.3 0.0 178.6

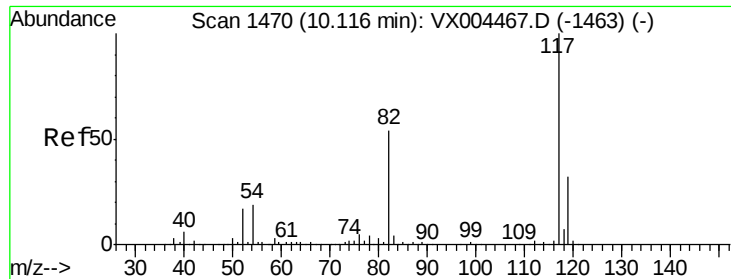


Abundance Ion 94.90 (94.60 to 95.60): VX0

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# 1470

Delta R.T. -0.00 min

Lab File: VX004659.D

Acq: 18 Sep 2018 15:49

Instrument :

MSVOA_X

ClientSampled :

SP-PIT-1

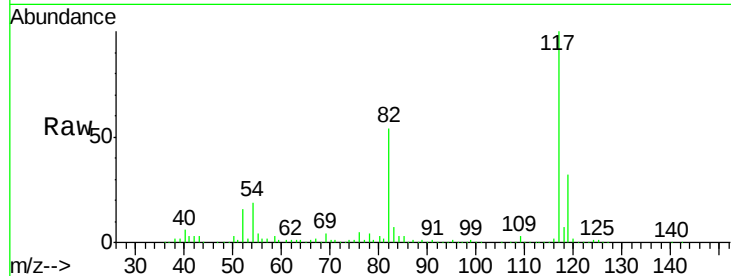
Tot Ion:117 Resp: 312973

Ion Ratio Lower Upper

117 100

82 52.8 47.8 71.6

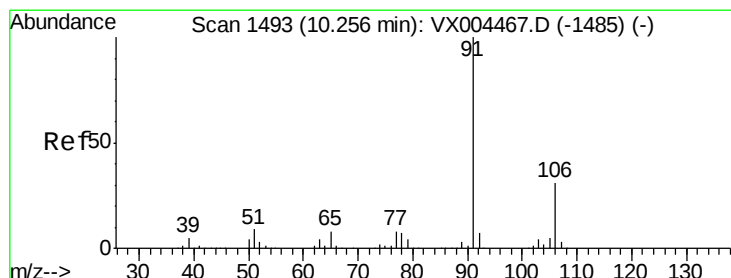
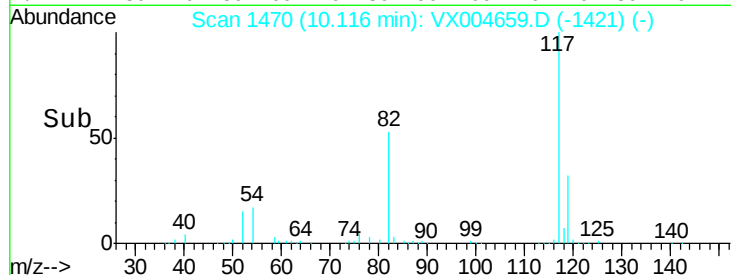
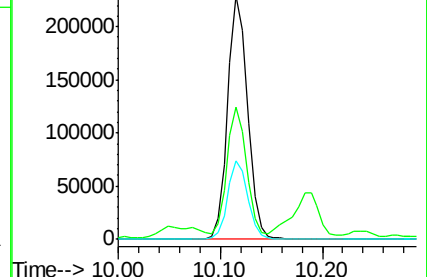
119 32.3 29.3 43.9



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



#67

Ethyl Benzene

Concen: 6.17 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VX004659.D

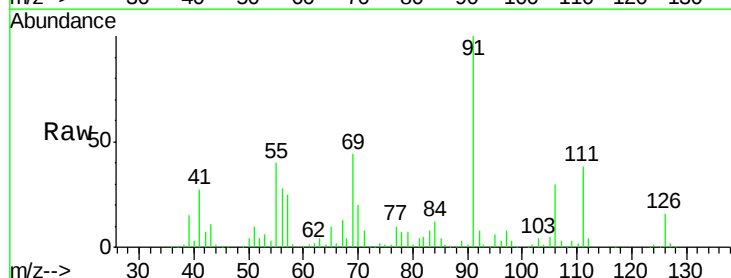
Acq: 18 Sep 2018 15:49

Tgt Ion: 91 Resp: 78013

Ion Ratio Lower Upper

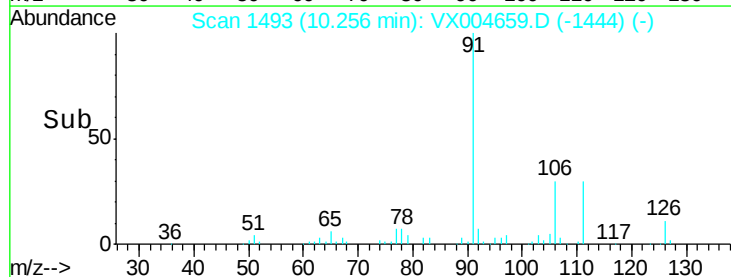
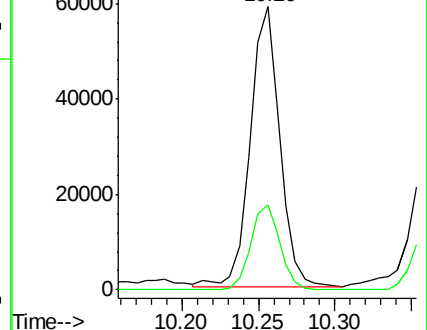
91 100

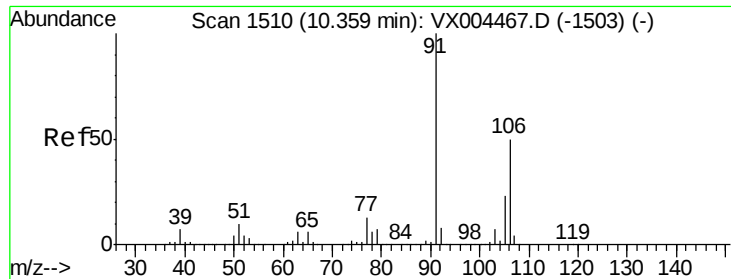
106 30.3 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

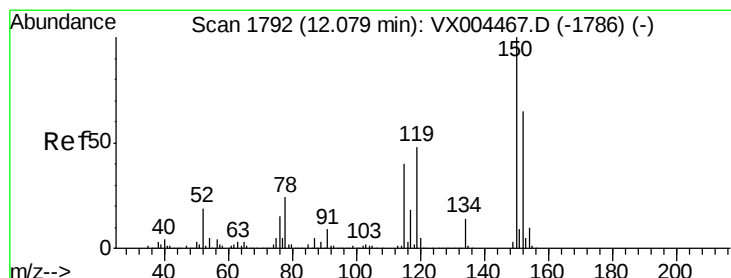
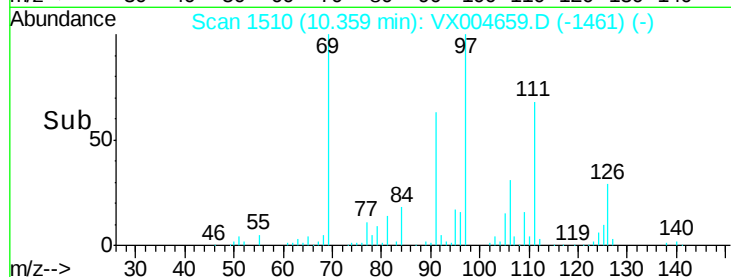
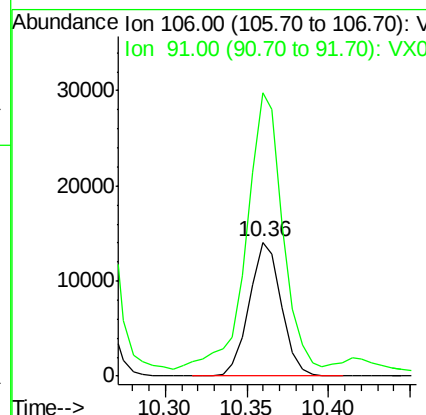
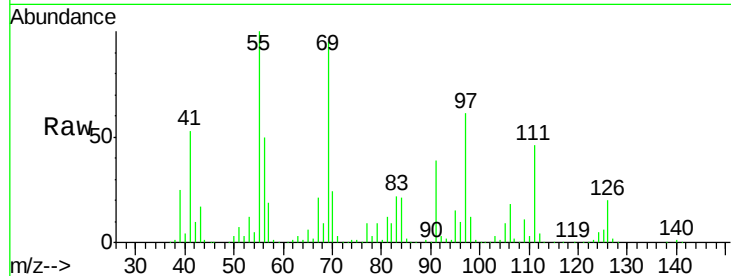




#68
m/p-Xvlenes
Concen: 4.00 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX004659.D
Acq: 18 Sep 2018 15:49

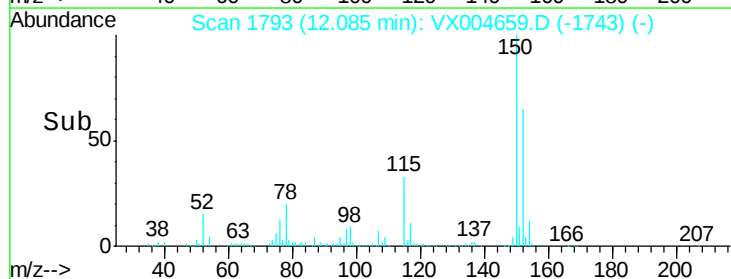
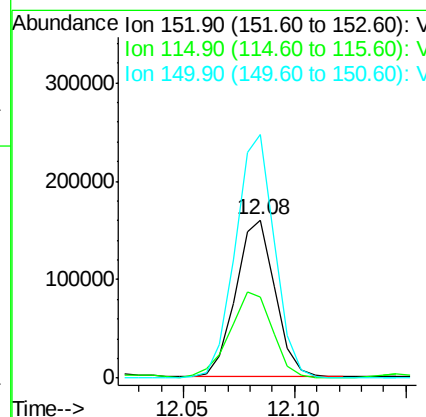
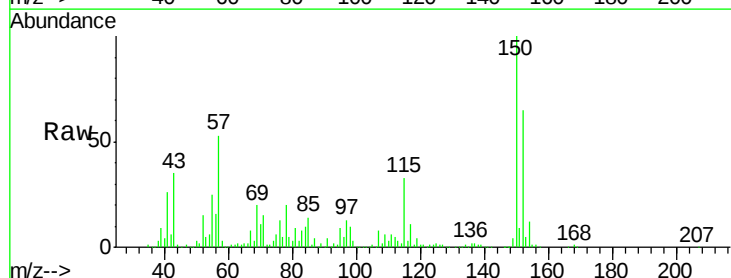
Instrument :
MSVOA_X
ClientSampled :
SP-PIT-1

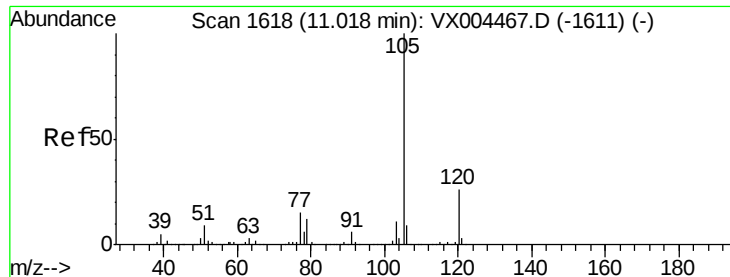
Tot Ion:106 Resp: 19460
Ion Ratio Lower Upper
106 100
91 231.0 157.1 235.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1793
Delta R.T. 0.01 min
Lab File: VX004659.D
Acq: 18 Sep 2018 15:49

Tgt Ion:152 Resp: 195934
Ion Ratio Lower Upper
152 100
115 59.1 39.0 117.0
150 154.8 0.0 351.0





#73

Isopropylbenzene

Concen: 13.74 ug/l

RT: 11.02 min Scan# 1619

Delta R.T. 0.01 min

Lab File: VX004659.D

Acq: 18 Sep 2018 15:49

Instrument :

MSVOA_X

ClientSampled :

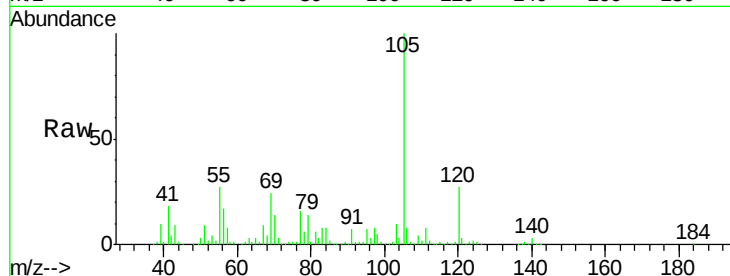
SP-PIT-1

Tot Ion: 105 Resp: 177240

Ion Ratio Lower Upper

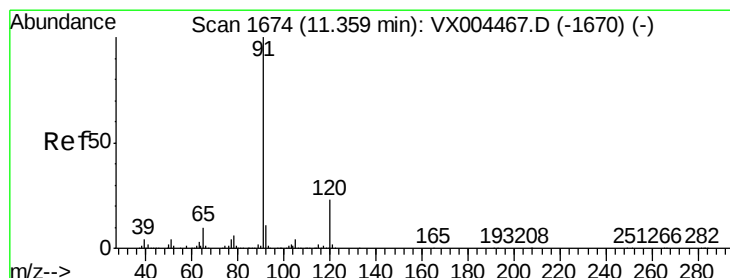
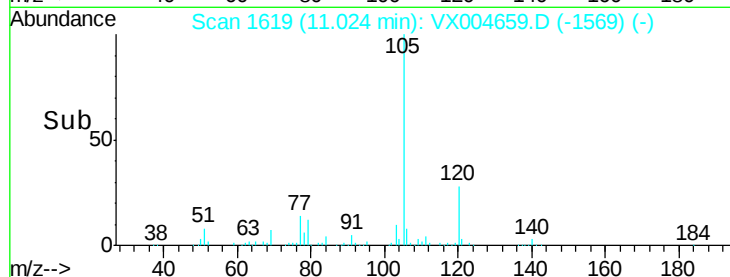
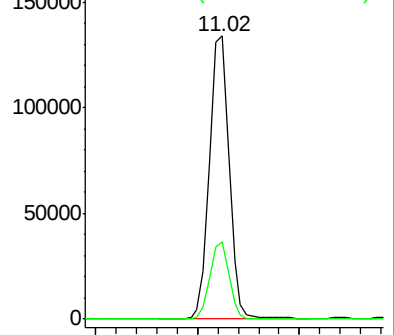
105 100

120 26.9 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 22.38 ug/l

RT: 11.37 min Scan# 1675

Delta R.T. 0.01 min

Lab File: VX004659.D

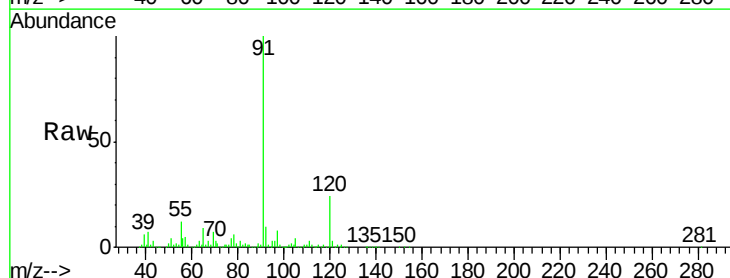
Acq: 18 Sep 2018 15:49

Tgt Ion: 91 Resp: 331991

Ion Ratio Lower Upper

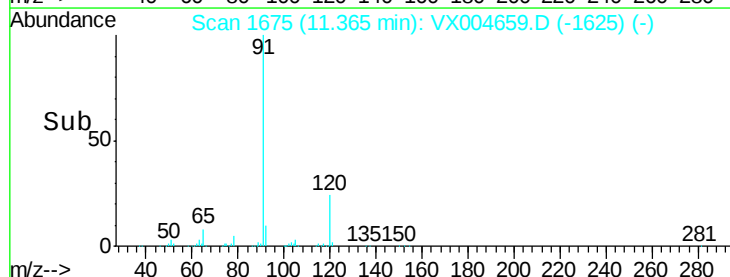
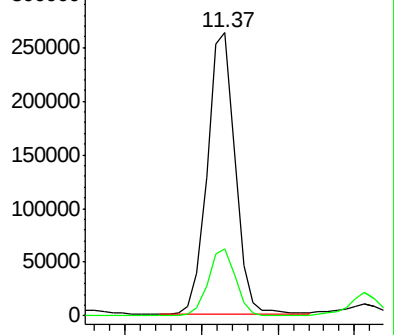
91 100

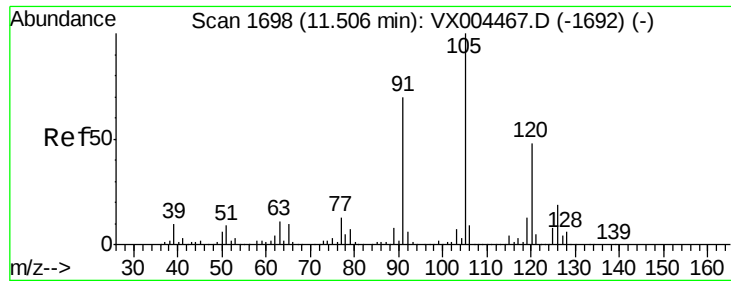
120 23.3 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

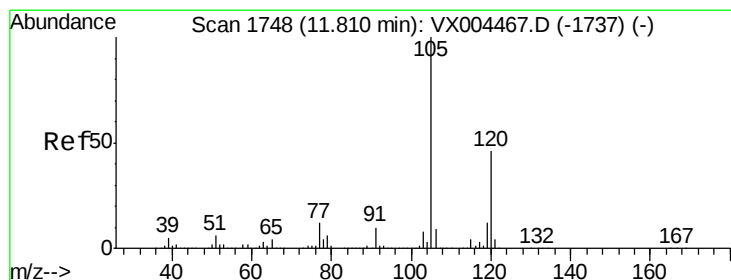
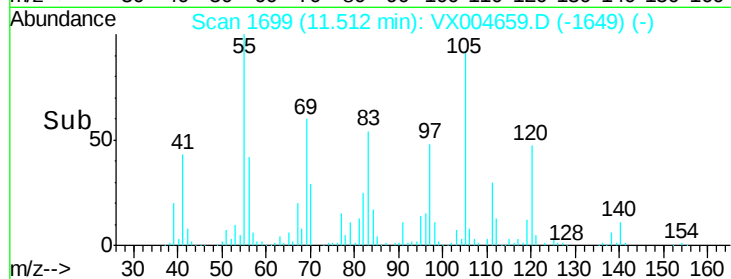
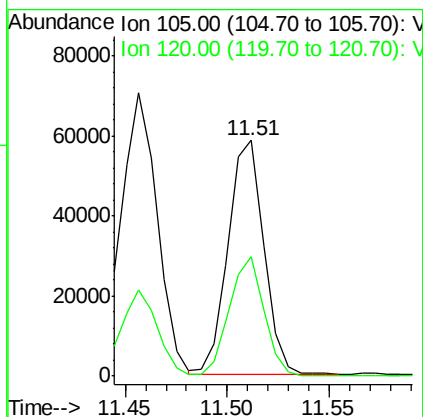
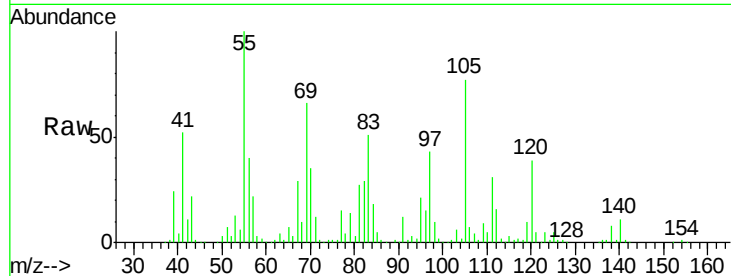




#80
 1,3,5-Trimethylbenzene
 Concen: 6.53 ug/l
 RT: 11.51 min Scan# 1699
 Delta R.T. 0.01 min
 Lab File: VX004659.D
 Acq: 18 Sep 2018 15:49

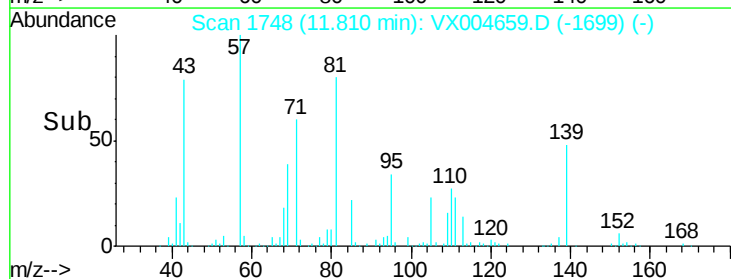
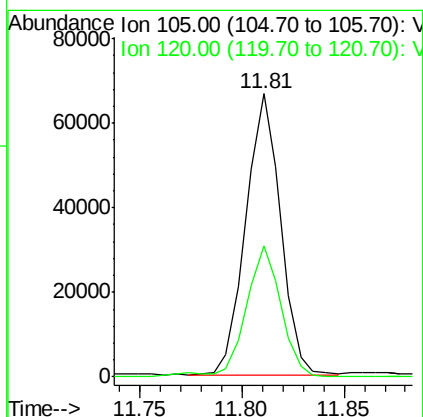
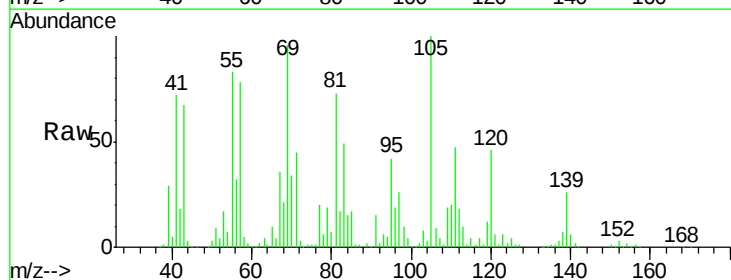
Instrument :
 MSVOA_X
 ClientSampled :
 SP-PIT-1

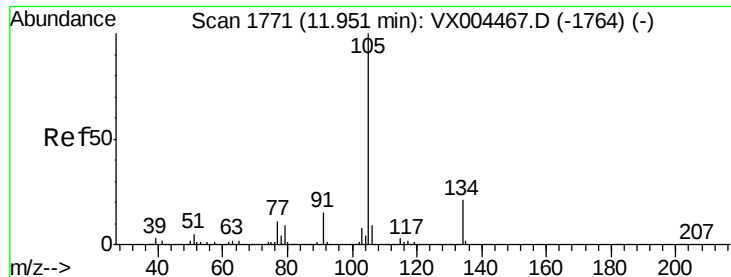
Tot Ion:105 Resp: 70882
 Ion Ratio Lower Upper
 105 100
 120 49.5 25.6 76.8



#84
 1,2,4-Trimethylbenzene
 Concen: 7.13 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX004659.D
 Acq: 18 Sep 2018 15:49

Tgt Ion:105 Resp: 78966
 Ion Ratio Lower Upper
 105 100
 120 45.3 23.2 69.6





#85

sec-Butylbenzene

Concen: 11.34 ug/l

RT: 11.95 min Scan# 1771

Delta R.T. -0.00 min

Lab File: VX004659.D

Acq: 18 Sep 2018 15:49

Instrument :

MSVOA_X

ClientSampled :

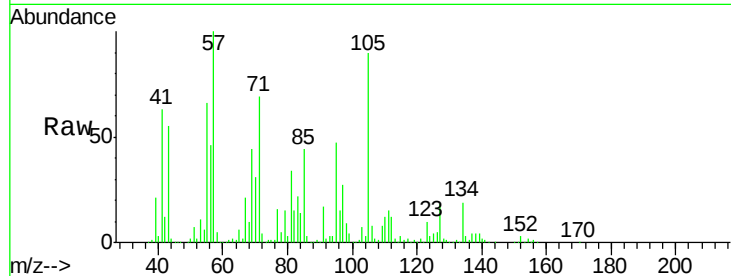
SP-PIT-1

Tot Ion:105 Resp: 149288

Ion Ratio Lower Upper

105 100

134 21.2 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

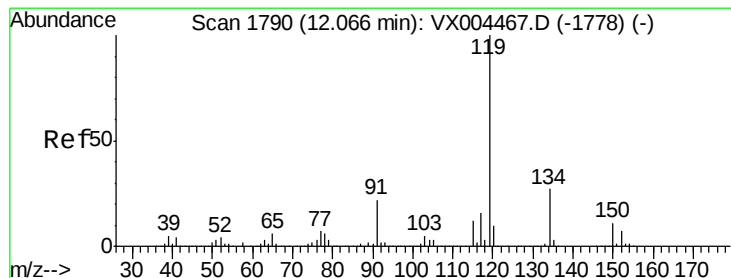
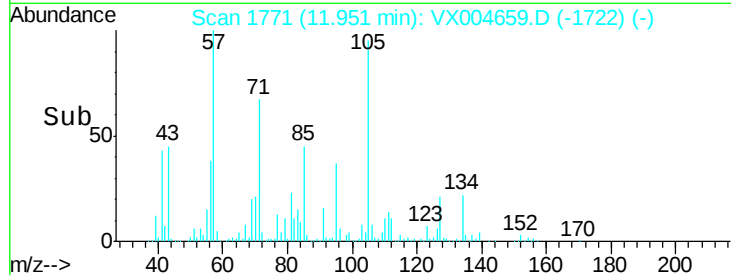
11.95

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 13.42 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004659.D

Acq: 18 Sep 2018 15:49

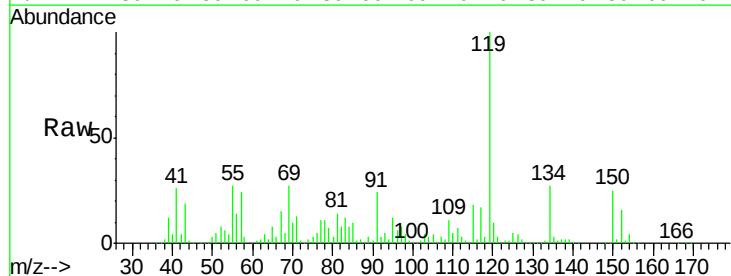
Tgt Ion:119 Resp: 155941

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.2

91 24.9 10.9 32.7



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

12.07

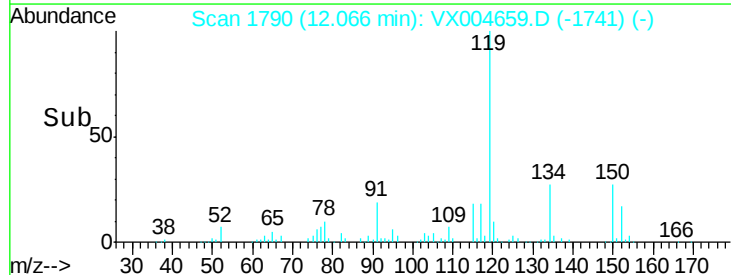
150000

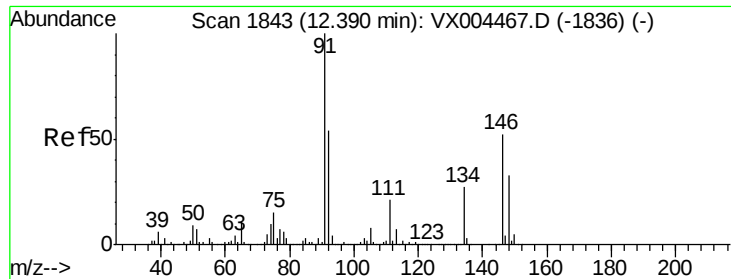
100000

50000

0

Time-->

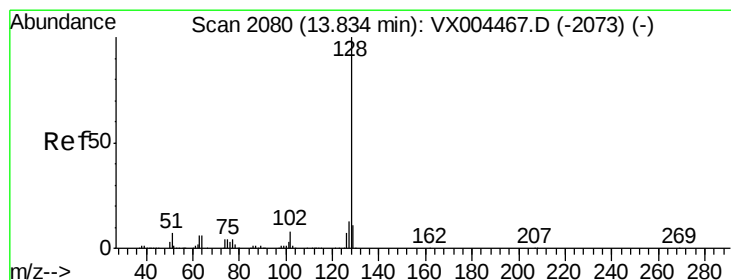
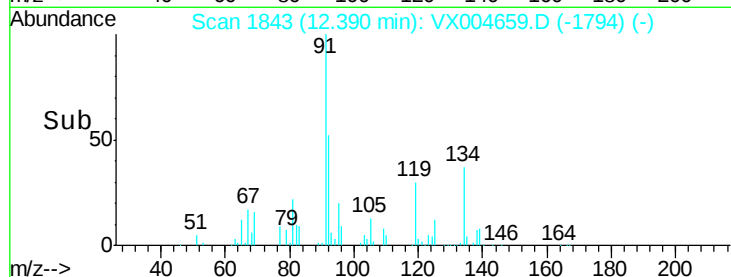
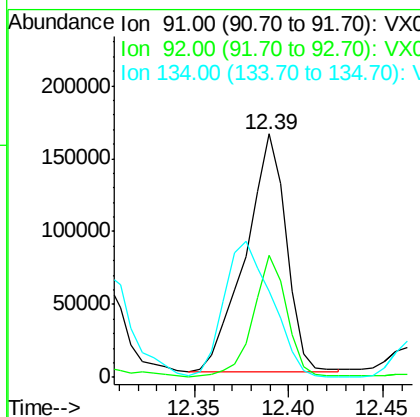
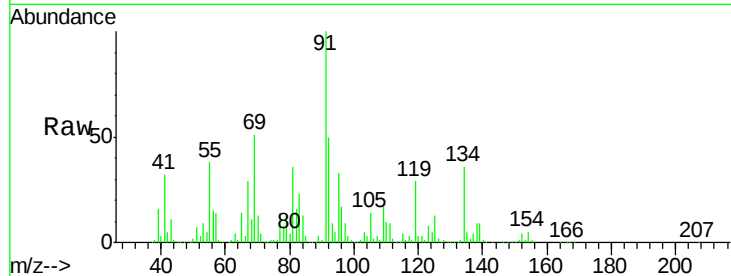




#89
n-Butylbenzene
Concen: 23.15 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004659.D
Acq: 18 Sep 2018 15:49

Instrument :
MSVOA_X
ClientSampled :
SP-PIT-1

Tot Ion: 91 Resp: 245164
Ion Ratio Lower Upper
91 100
92 41.0 27.3 81.9
134 66.9 13.6 40.7#



#95
Naphthalene
Concen: 11.55 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX004659.D
Acq: 18 Sep 2018 15:49

Tgt Ion: 128 Resp: 154491
Ion Ratio Lower Upper
128 100
127 15.5 10.2 15.2#
129 14.2 8.6 12.8#

