

Data Path : W:\HPCHEM1\MSVOA X\DATA\WX052918\
 Data File : VX002105.D
 Acq On : 29 May 2018 20:40
 Operator : JC/MD
 Sample : J3041-10
 Misc : 7.80G/5mL/100uL/5mL/MSVOA_X/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T1-3-P1PE2-2.0-2.5

Quant Time: May 30 08:05:58 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	5.66	168	339285	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.86	114	468613	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	445578	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	277251	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	220891	36.42	ug/l	0.00
Spiked Amount			Recovery	=	72.84%	
35) Dibromofluoromethane	5.51	113	167495	35.74	ug/l	0.00
Spiked Amount			Recovery	=	71.48%	
50) Toluene-d8	8.72	98	689331	40.63	ug/l	0.00
Spiked Amount			Recovery	=	81.26%	
62) 4-Bromofluorobenzene	11.15	95	296941	44.73	ug/l	0.00
Spiked Amount			Recovery	=	89.46%	

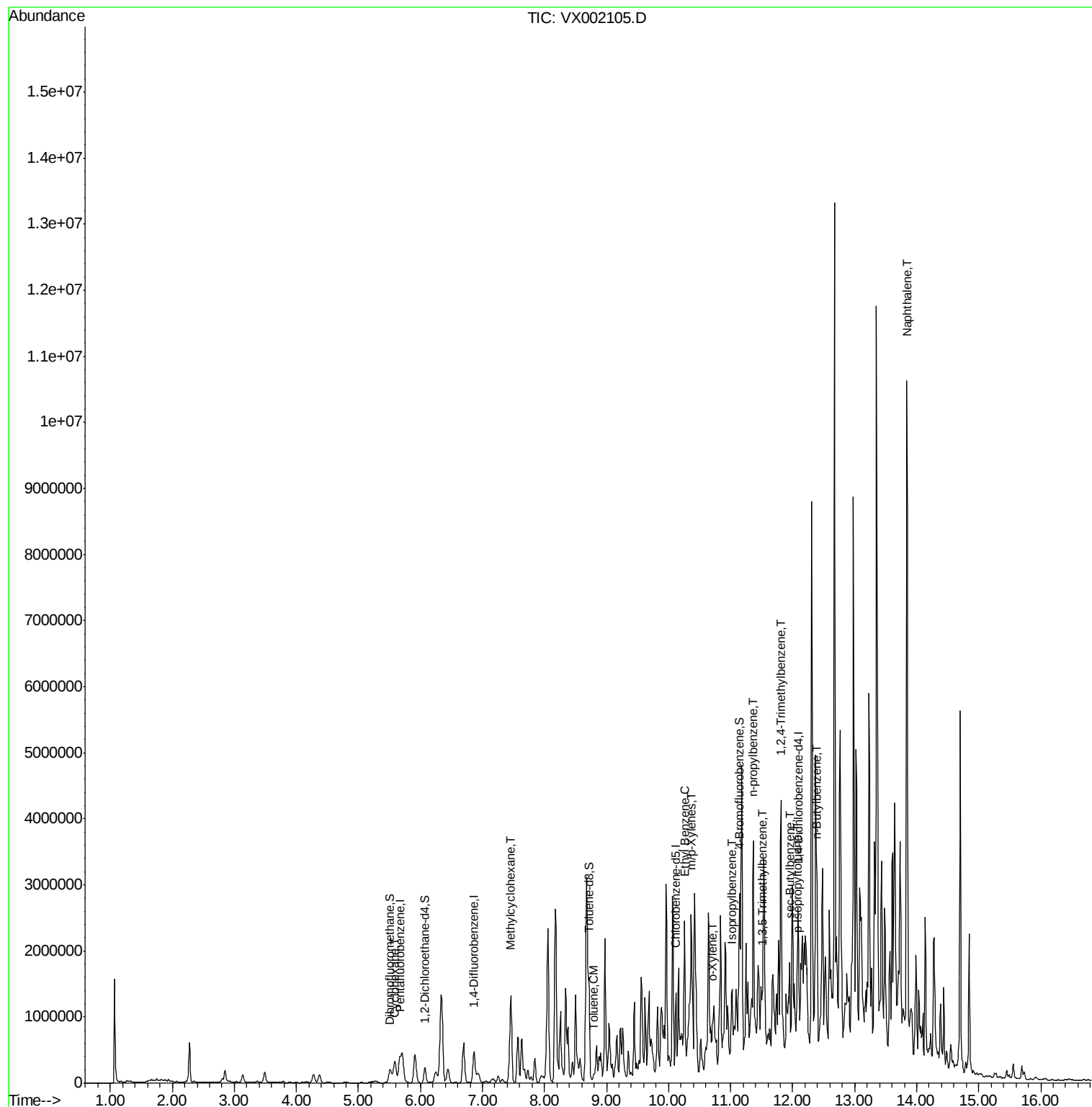
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.57	56	134799	16.13	ug/l	# 76
39) Methylcyclohexane	7.46	83	560931	70.05	ug/l	98
52) Toluene	8.79	92	20173	1.66	ug/l	100
67) Ethyl Benzene	10.26	91	388182	15.83	ug/l	100
68) m/p-Xylenes	10.37	106	402203	42.90	ug/l	99
69) o-Xylene	10.71	106	98652	10.54	ug/l	94
73) Isopropylbenzene	11.02	105	410279	17.48	ug/l	100
78) n-propylbenzene	11.37	91	1781404	67.75	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	296928	14.80	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	1071009	51.65	ug/l	99
85) sec-Butylbenzene	11.95	105	339456	14.34	ug/l	96
86) p-Isopropyltoluene	12.07	119	169886	8.02	ug/l	95
89) n-Butylbenzene	12.40	91	937373	52.23	ug/l	# 62
95) Naphthalene	13.84	128	6036590	241.08	ug/l	98

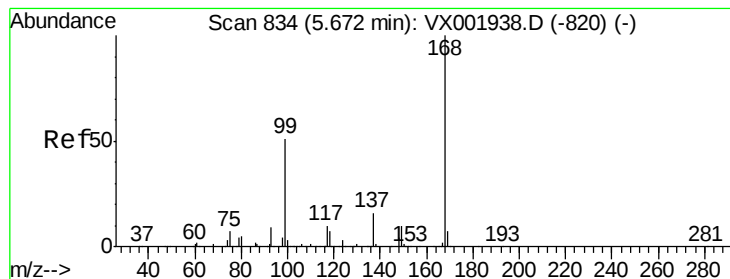
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 24 13:09:03 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX002105.D

Acq: 29 May 2018 20:40

Instrument :

MSVOA_X

ClientSampleId :

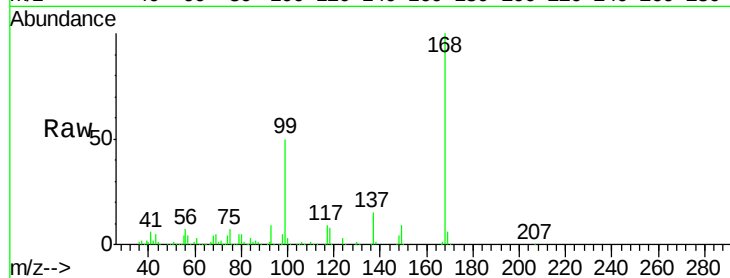
T1-3-P1PE2-2.0-2.5

Tot Ion:168 Resp: 339285

Ion Ratio Lower Upper

168 100

99 50.0 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

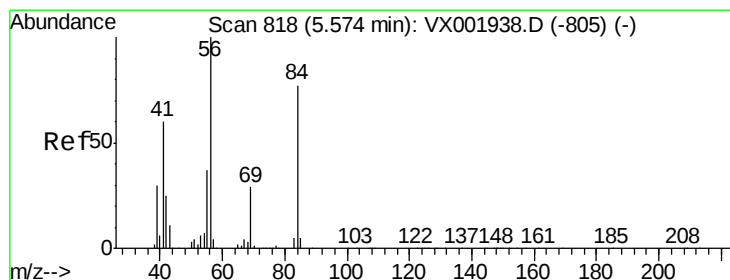
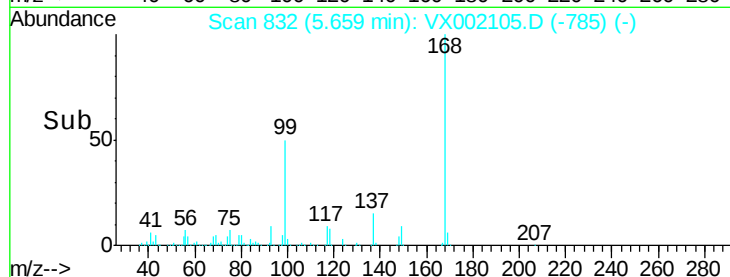
5.66

100000

50000

0

Time-->



#31

Cyclohexane

Concen: 16.13 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX002105.D

Acq: 29 May 2018 20:40

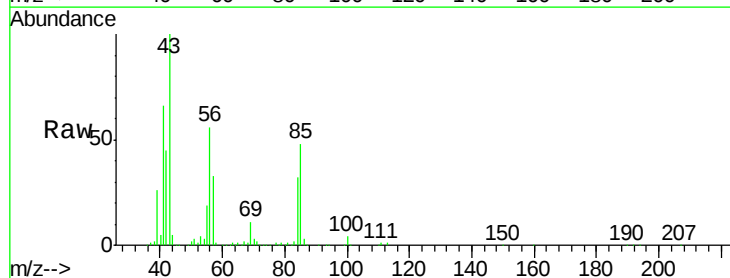
Tgt Ion: 56 Resp: 134799

Ion Ratio Lower Upper

56 100

69 13.4 23.1 34.7#

84 58.6 62.0 93.0#



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

120000

100000

80000

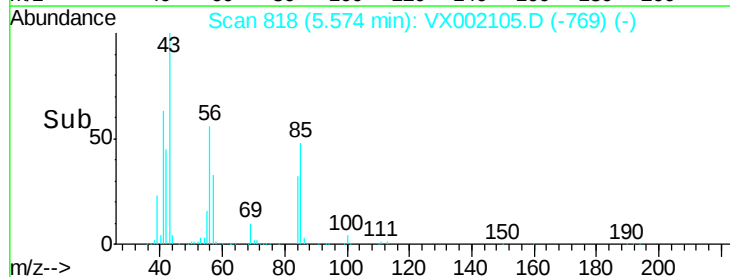
60000

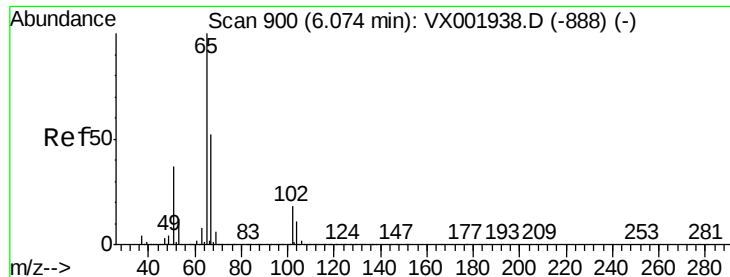
40000

20000

0

Time-->

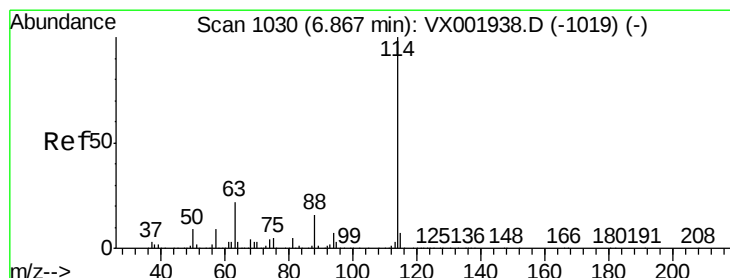
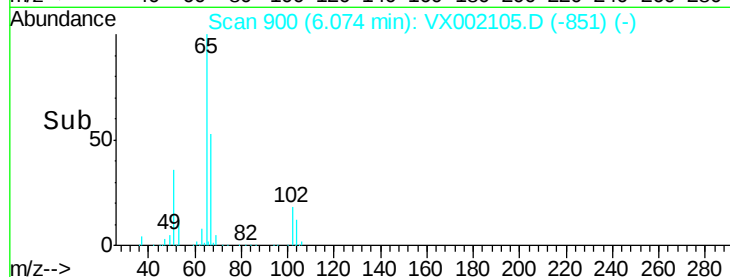
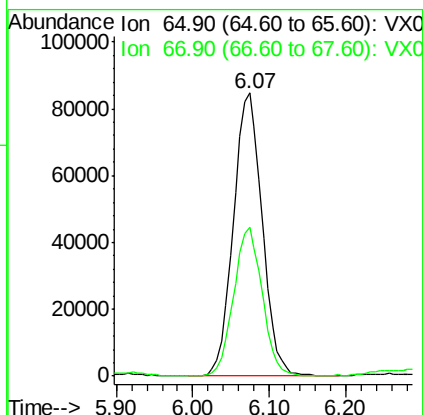
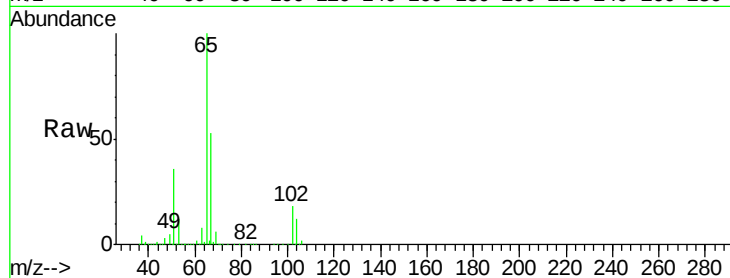




#33
 1,2-Dichloroethane-d4
 Concen: 36.42 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002105.D
 Acq: 29 May 2018 20:40

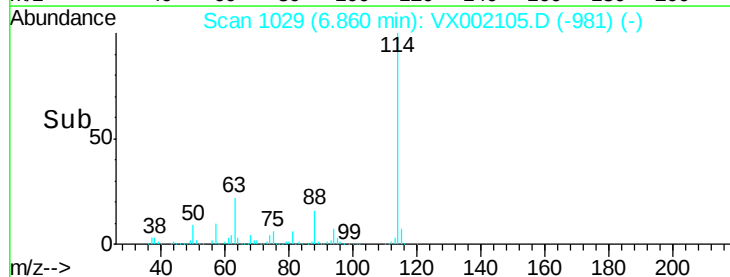
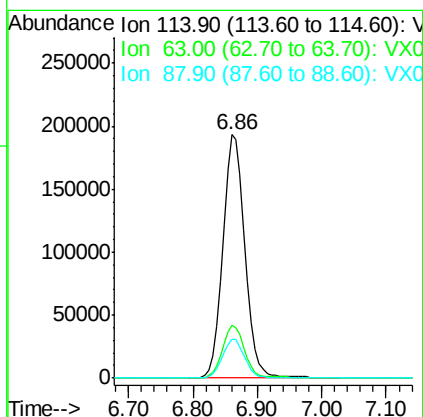
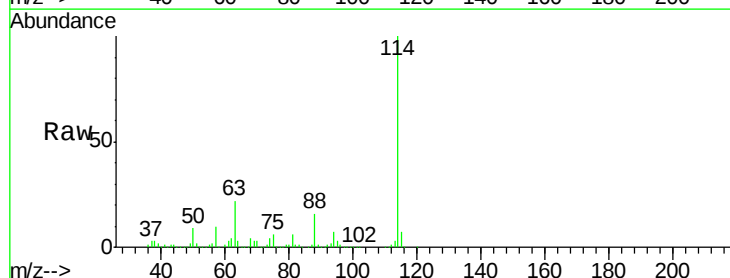
Instrument :
 MSVOA_X
 ClientSampleId :
 T1-3-P1PE2-2.0-2.5

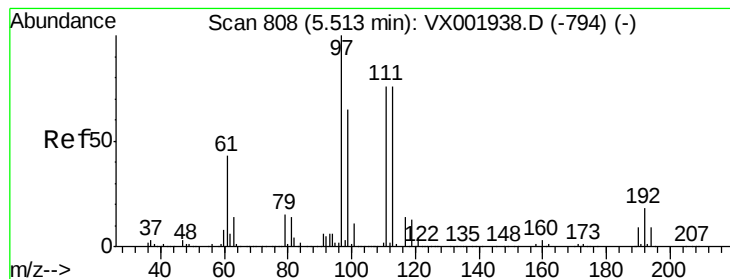
Tot Ion: 65 Resp: 220891
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX002105.D
 Acq: 29 May 2018 20:40

Tgt Ion: 114 Resp: 468613
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.2
 88 15.9 0.0 31.6





#35

Dibromofluoromethane

Concen: 35.74 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX002105.D

Acq: 29 May 2018 20:40

Instrument :

MSVOA_X

ClientSampleId :

T1-3-P1PE2-2.0-2.5

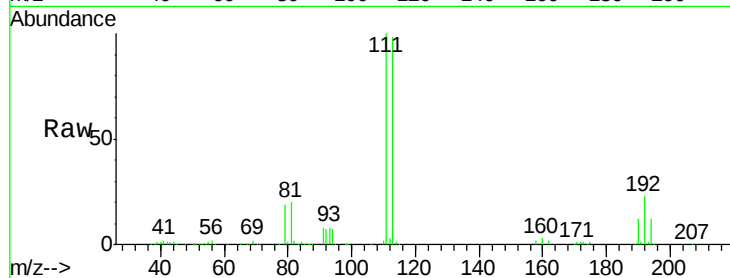
Tot Ion:113 Resp: 167495

Ion Ratio Lower Upper

113 100

111 102.2 82.0 123.0

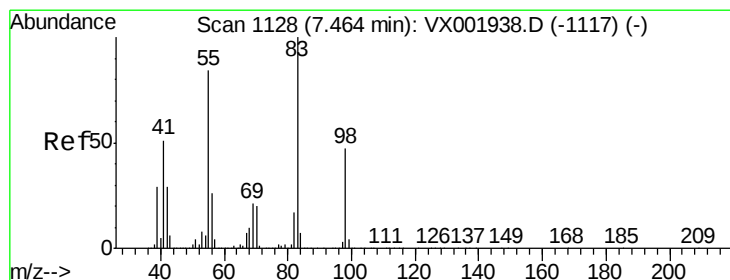
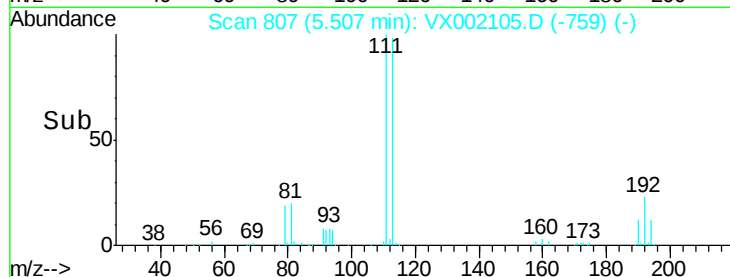
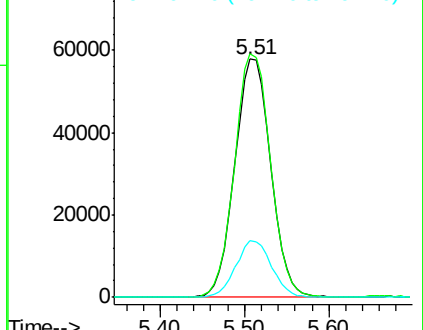
192 23.5 18.9 28.3



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



#39

Methylcyclohexane

Concen: 70.05 ug/l

RT: 7.46 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VX002105.D

Acq: 29 May 2018 20:40

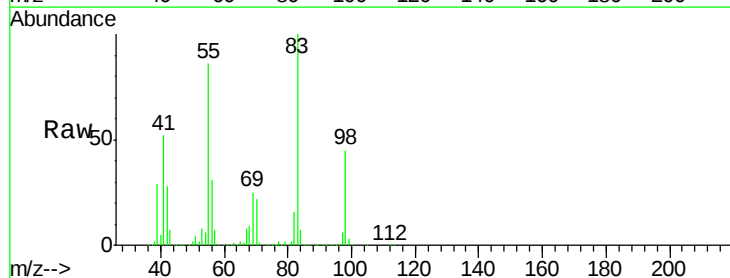
Tgt Ion: 83 Resp: 560931

Ion Ratio Lower Upper

83 100

55 85.4 67.3 100.9

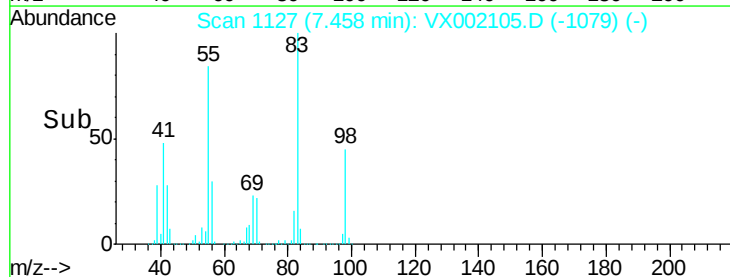
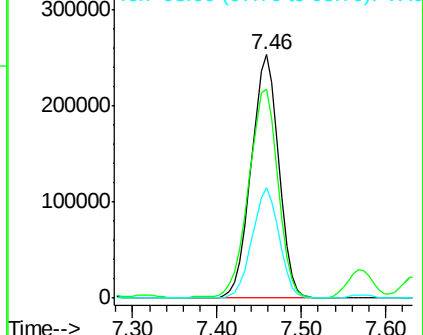
98 45.3 37.5 56.3

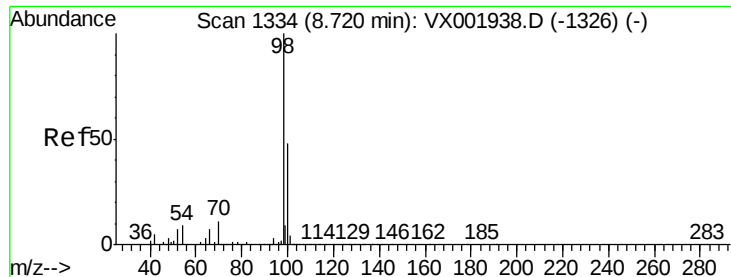


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#50

Toluene-d8

Concen: 40.63 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002105.D

Acq: 29 May 2018 20:40

Instrument :

MSVOA_X

ClientSampleId :

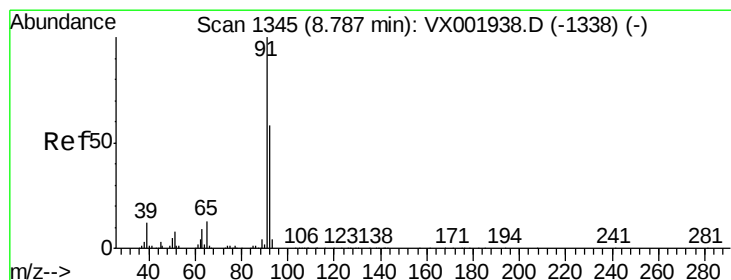
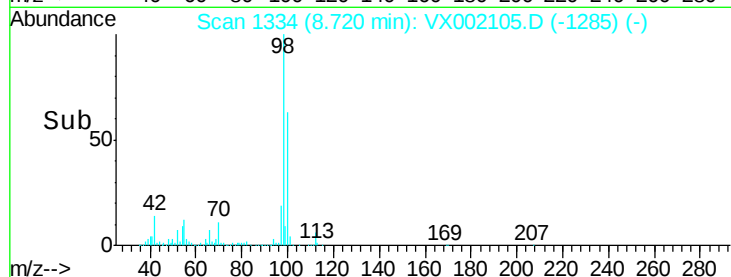
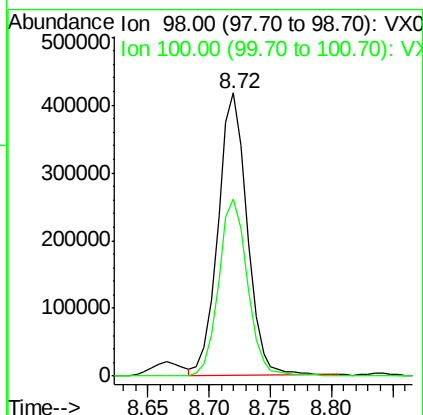
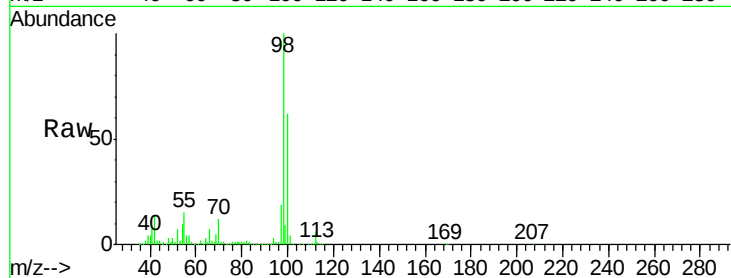
T1-3-P1PE2-2.0-2.5

Tot Ion: 98 Resp: 689331

Ion Ratio Lower Upper

98 100

100 62.4 51.5 77.3



#52

Toluene

Concen: 1.66 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002105.D

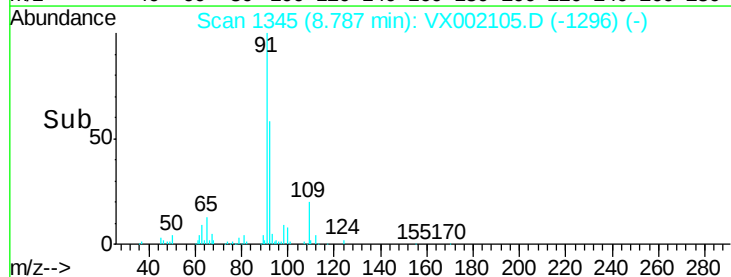
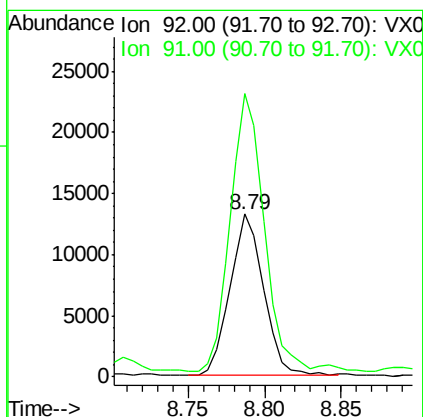
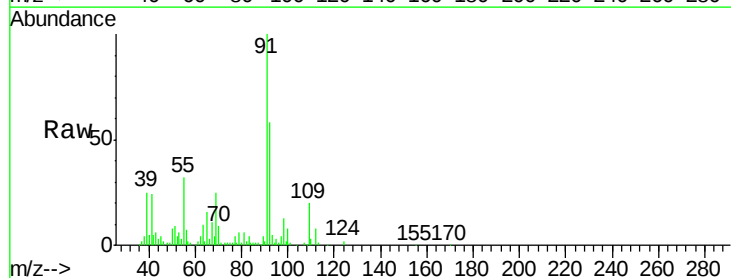
Acq: 29 May 2018 20:40

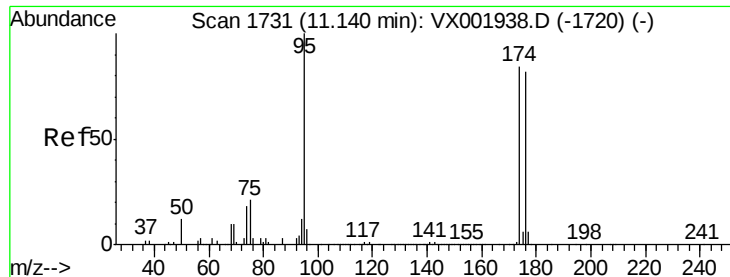
Tgt Ion: 92 Resp: 20173

Ion Ratio Lower Upper

92 100

91 174.6 139.4 209.2





#62

4-Bromofluorobenzene

Concen: 44.73 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.01 min

Lab File: VX002105.D

Acq: 29 May 2018 20:40

Instrument :

MSVOA_X

ClientSampleId :

T1-3-P1PE2-2.0-2.5

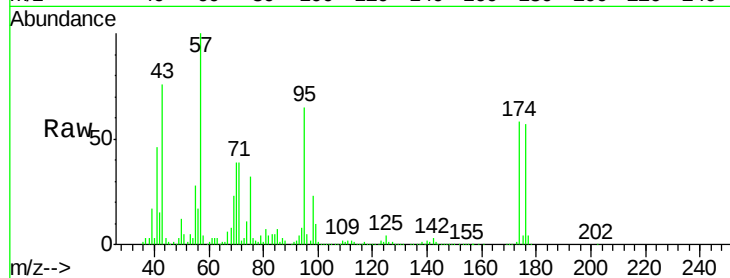
Tot Ion: 95 Resp: 296941

Ion Ratio Lower Upper

95 100

174 82.4 0.0 178.8

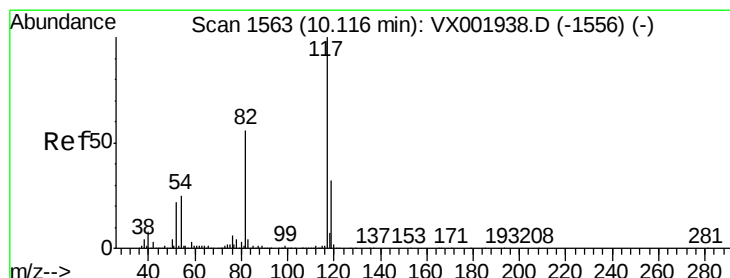
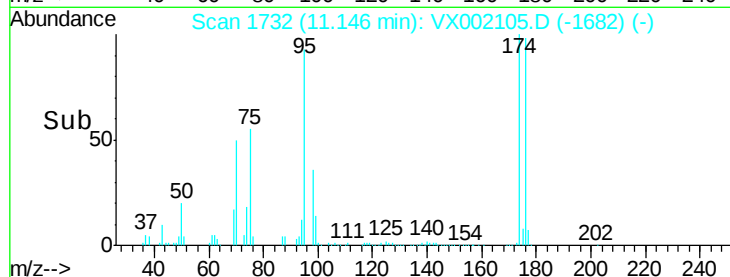
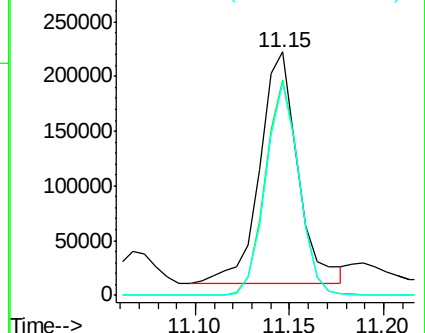
176 80.5 0.0 175.6



Abundance Ion 94.90 (94.60 to 95.60): VX001938.D (-1720) (-)

Ion 173.80 (173.50 to 174.50): VX001938.D (-1720) (-)

Ion 175.80 (175.50 to 176.50): VX001938.D (-1720) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VX002105.D

Acq: 29 May 2018 20:40

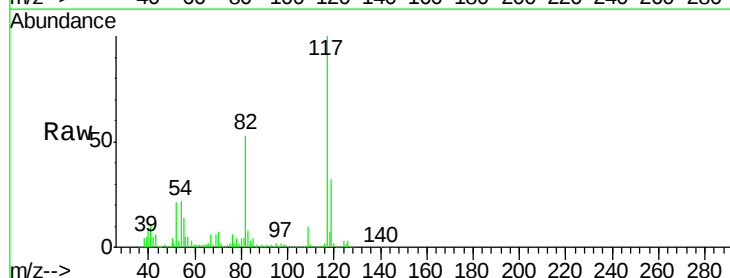
Tgt Ion: 117 Resp: 445578

Ion Ratio Lower Upper

117 100

82 51.3 44.8 67.2

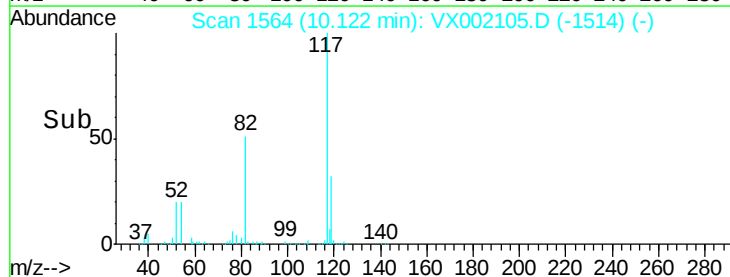
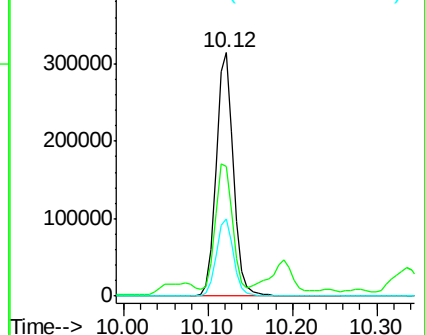
119 31.7 25.5 38.3

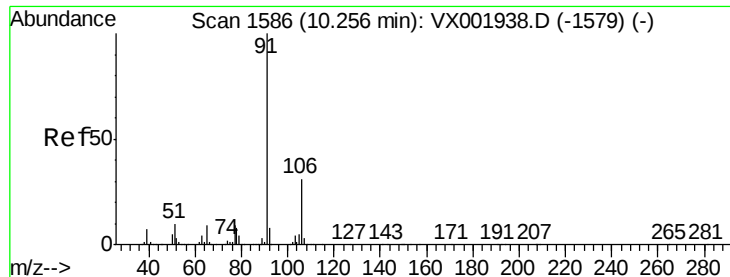


Abundance Ion 116.90 (116.60 to 117.60): VX001938.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX001938.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX001938.D (-1556) (-)





#67

Ethyl Benzene

Concen: 15.83 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002105.D

Acq: 29 May 2018 20:40

Instrument :

MSVOA_X

ClientSampleId :

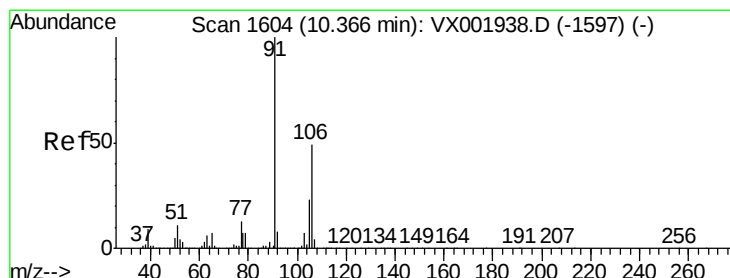
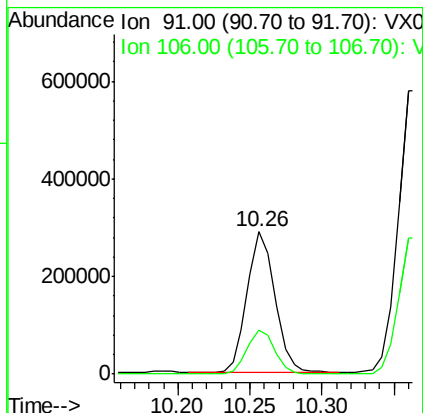
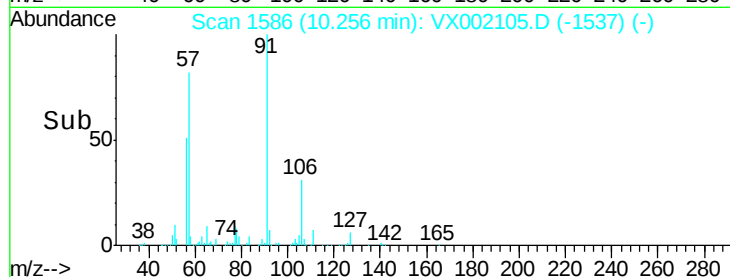
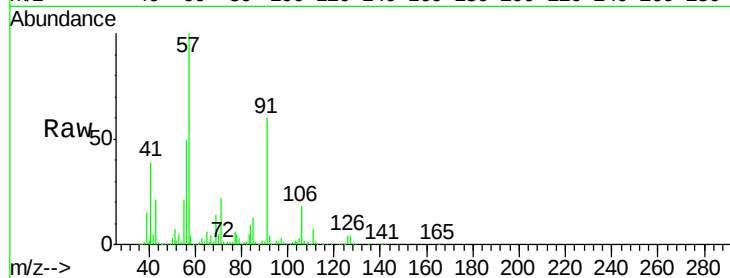
T1-3-P1PE2-2.0-2.5

Tot Ion: 91 Resp: 388182

Ion Ratio Lower Upper

91 100

106 31.2 25.0 37.6



#68

m/p-Xylenes

Concen: 42.90 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX002105.D

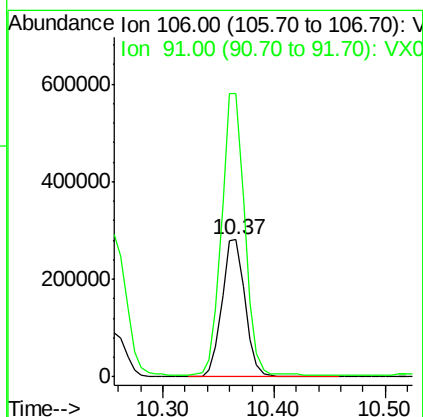
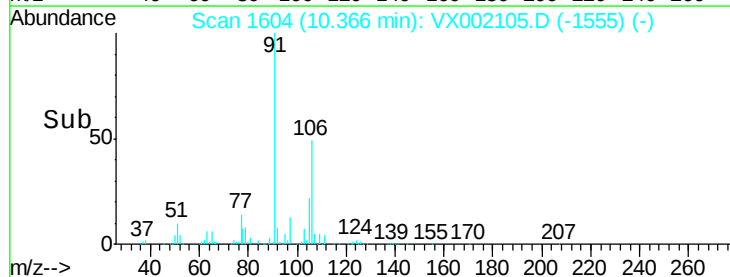
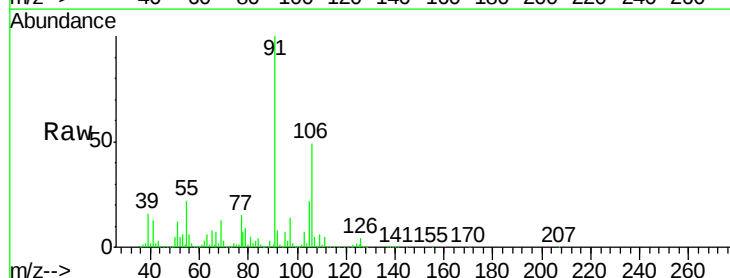
Acq: 29 May 2018 20:40

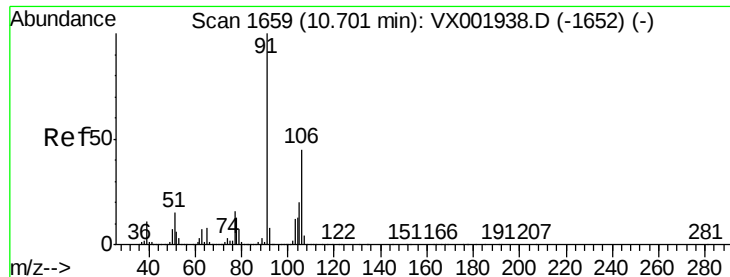
Tgt Ion: 106 Resp: 402203

Ion Ratio Lower Upper

106 100

91 207.6 165.0 247.6





#69

o-Xylene

Concen: 10.54 ug/l

RT: 10.71 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX002105.D

Acq: 29 May 2018 20:40

Instrument :

MSVOA_X

ClientSampleId :

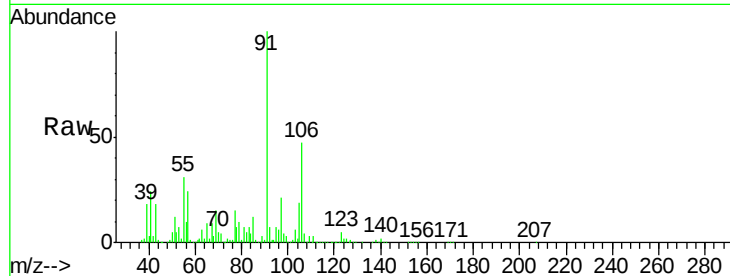
T1-3-P1PE2-2.0-2.5

Tot Ion:106 Resp: 98652

Ion Ratio Lower Upper

106 100

91 227.0 108.7 325.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

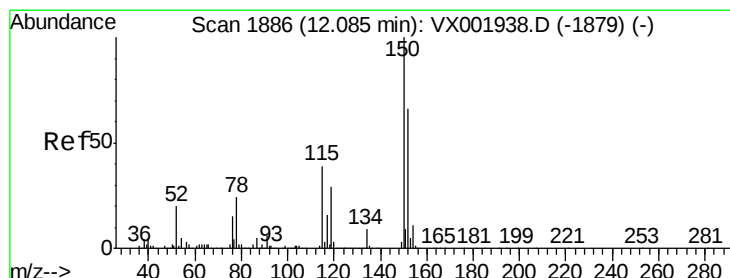
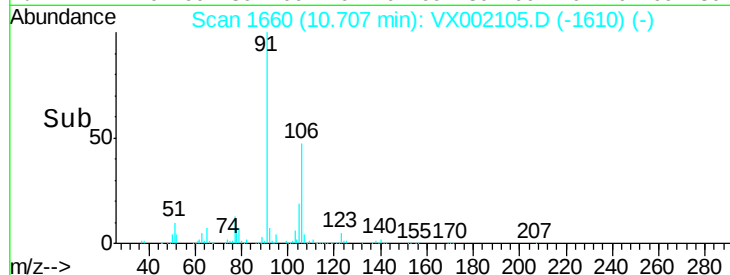
150000

100000

50000

0

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002105.D

Acq: 29 May 2018 20:40

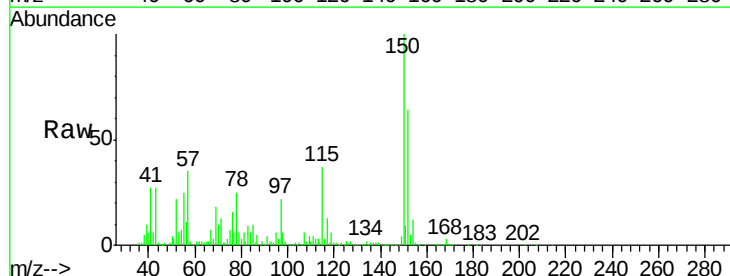
Tgt Ion:152 Resp: 277251

Ion Ratio Lower Upper

152 100

115 60.3 42.3 126.8

150 156.8 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

500000

400000

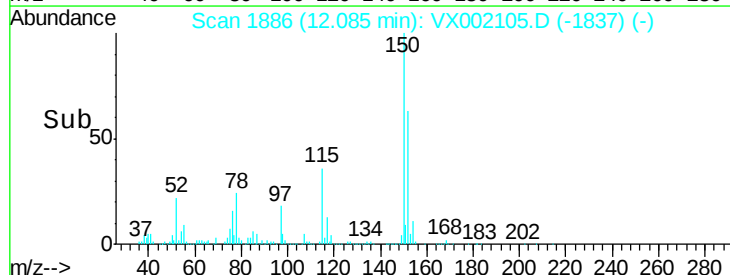
300000

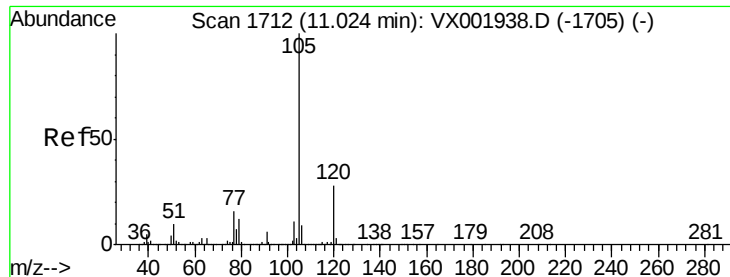
200000

100000

0

Time-->





#73

Isopropylbenzene

Concen: 17.48 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002105.D

Acq: 29 May 2018 20:40

Instrument :

MSVOA_X

ClientSampleId :

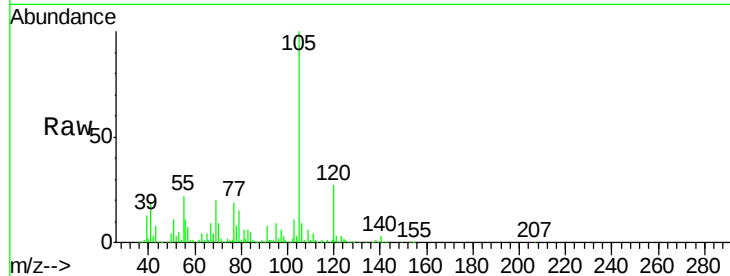
T1-3-P1PE2-2.0-2.5

Tot Ion:105 Resp: 410279

Ion Ratio Lower Upper

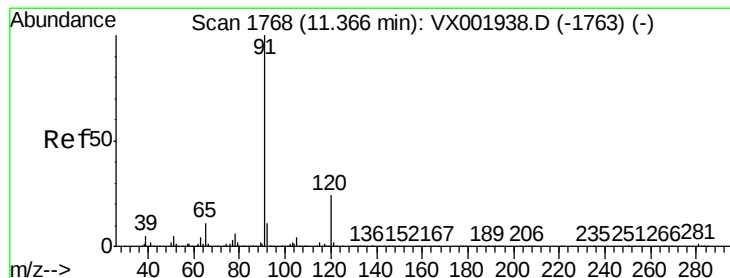
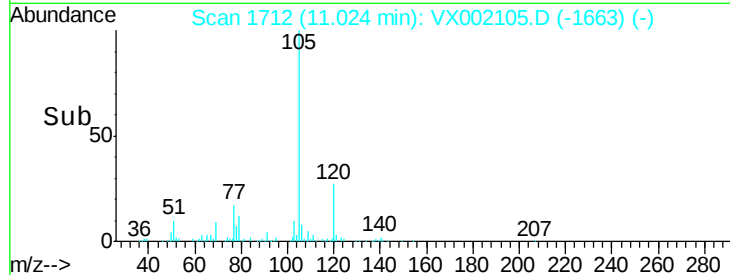
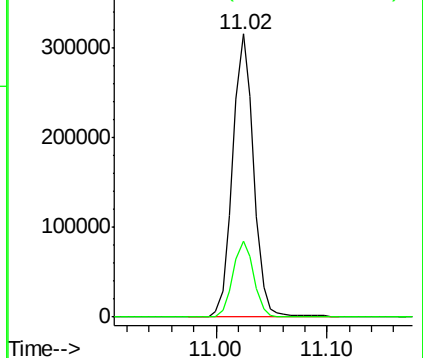
105 100

120 26.9 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: 67.75 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002105.D

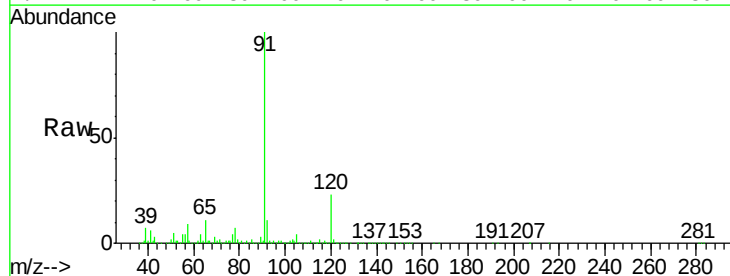
Acq: 29 May 2018 20:40

Tgt Ion: 91 Resp: 1781404

Ion Ratio Lower Upper

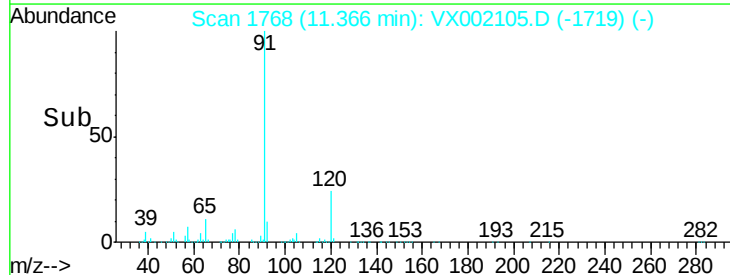
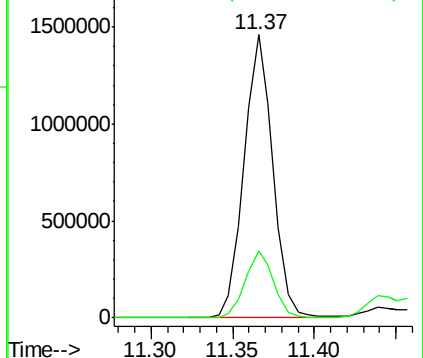
91 100

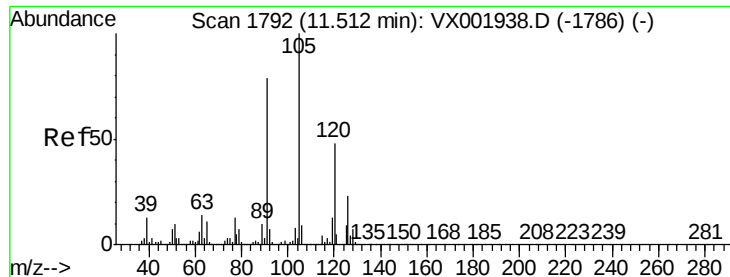
120 23.5 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

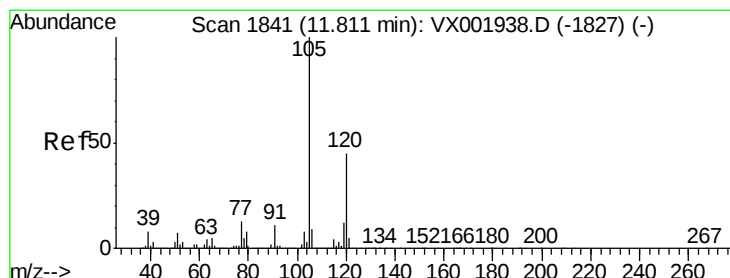
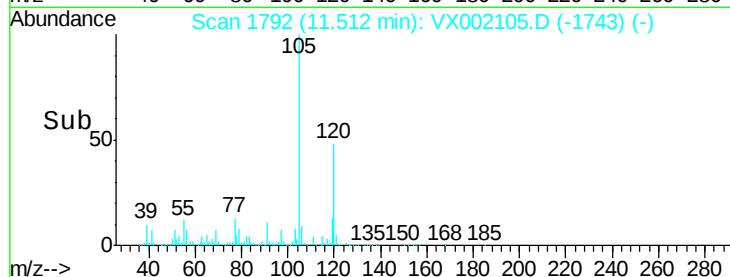
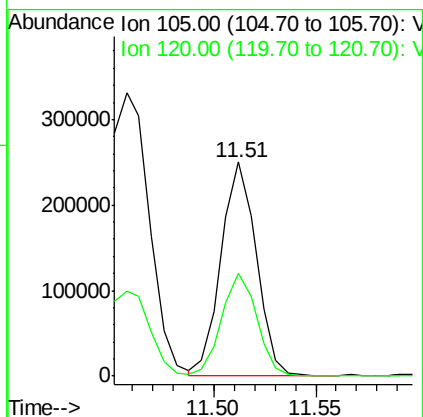
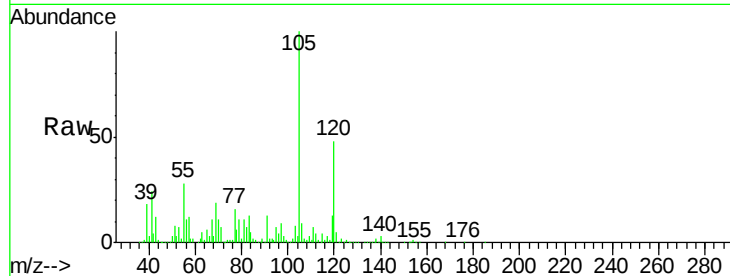




#80
 1,3,5-Trimethylbenzene
 Concen: 14.80 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX002105.D
 Acq: 29 May 2018 20:40

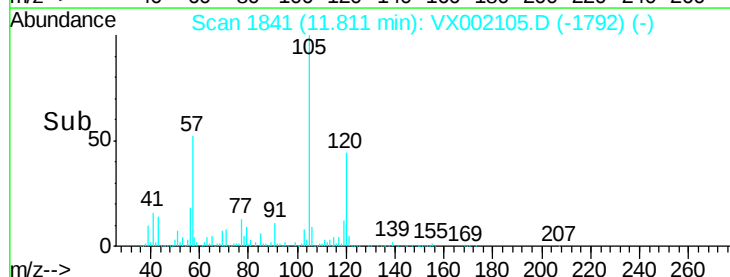
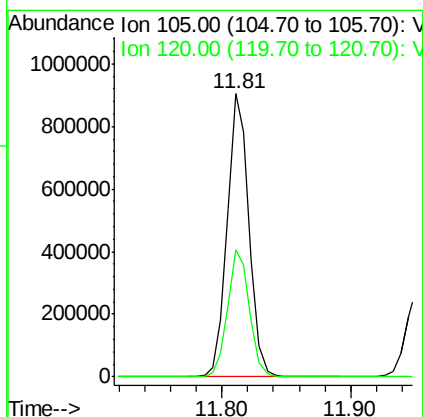
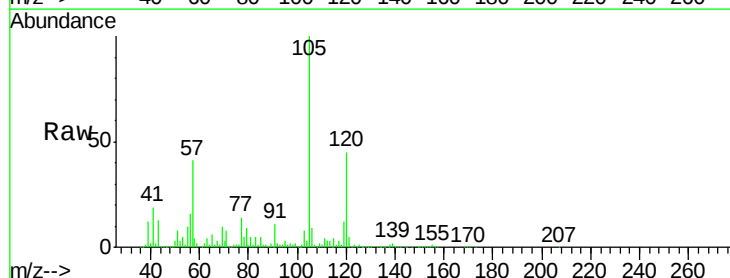
Instrument :
 MSVOA_X
 ClientSampleId :
 T1-3-P1PE2-2.0-2.5

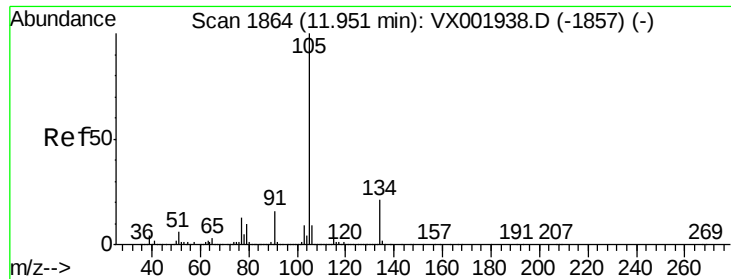
Tot Ion:105 Resp: 296928
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.1 72.4



#84
 1,2,4-Trimethylbenzene
 Concen: 51.65 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002105.D
 Acq: 29 May 2018 20:40

Tgt Ion:105 Resp: 1071009
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.1 66.5

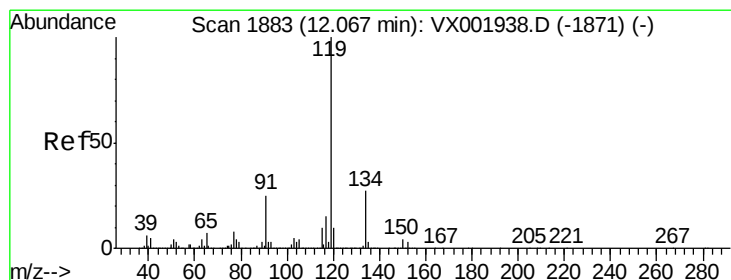
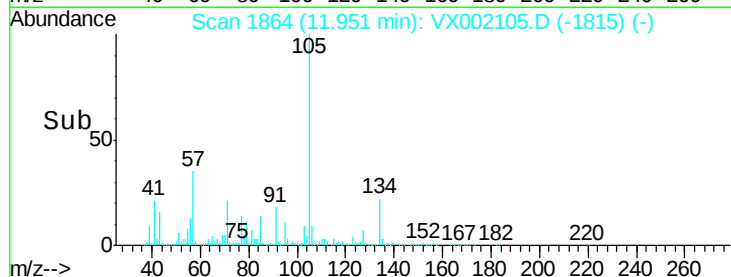
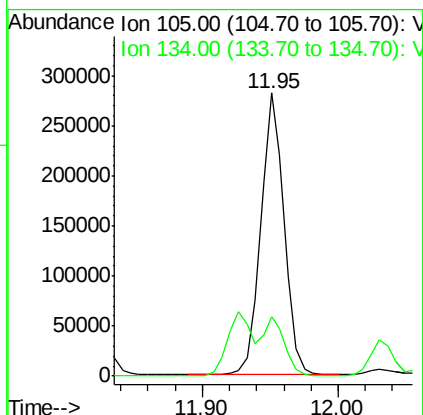
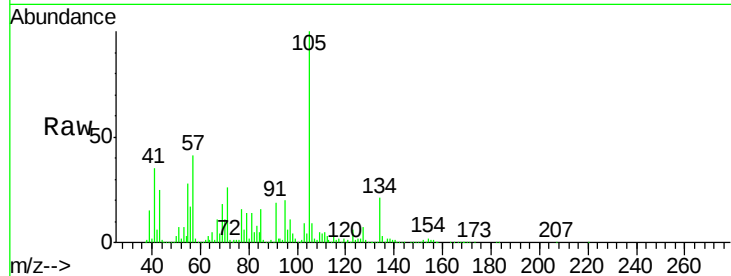




#85
 sec-Butylbenzene
 Concen: 14.34 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX002105.D
 Acq: 29 May 2018 20:40

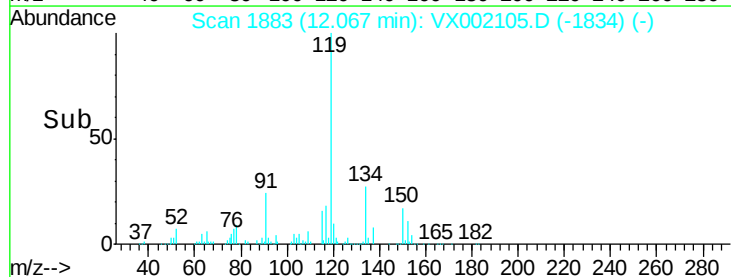
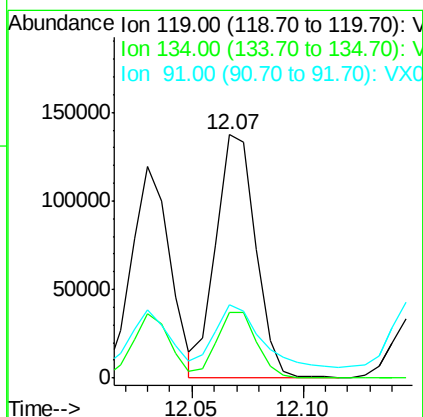
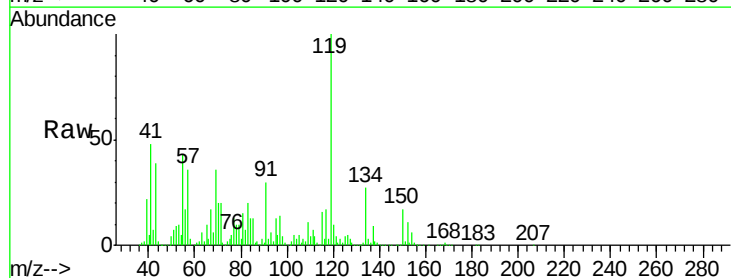
Instrument :
 MSVOA_X
 ClientSampleId :
 T1-3-P1PE2-2.0-2.5

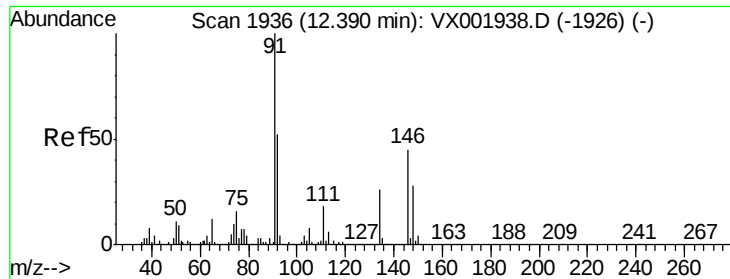
Tot Ion:105 Resp: 339456
 Ion Ratio Lower Upper
 105 100
 134 19.2 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 8.02 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX002105.D
 Acq: 29 May 2018 20:40

Tgt Ion:119 Resp: 169886
 Ion Ratio Lower Upper
 119 100
 134 27.5 13.6 40.8
 91 29.0 12.2 36.4





#89

n-Butylbenzene

Concen: 52.23 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.01 min

Lab File: VX002105.D

Acq: 29 May 2018 20:40

Instrument :

MSVOA_X

ClientSampleId :

T1-3-P1PE2-2.0-2.5

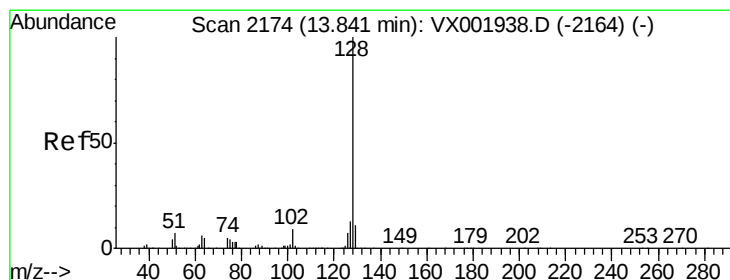
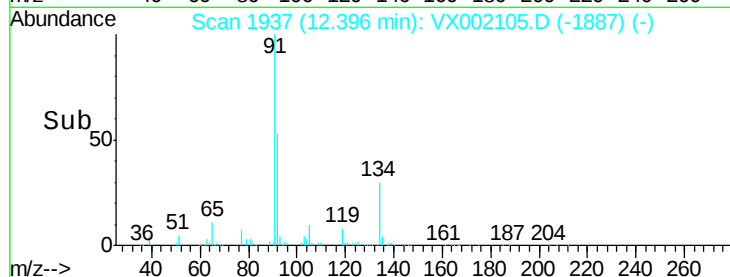
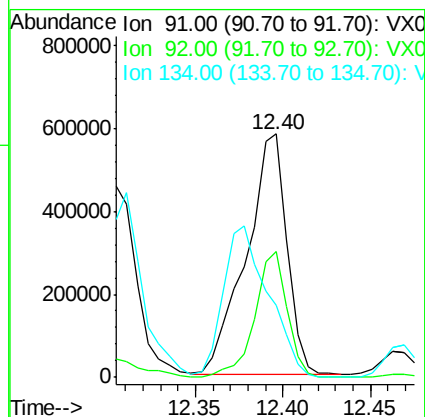
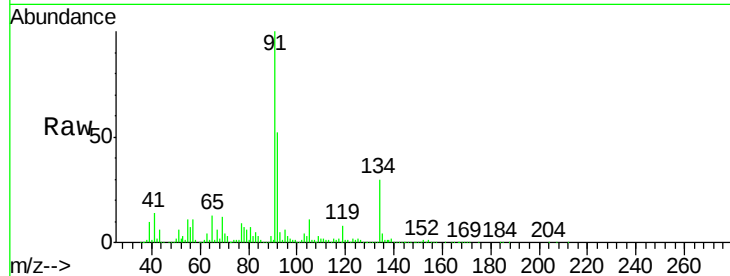
Tot Ion: 91 Resp: 937373

Ion Ratio Lower Upper

91 100

92 41.2 26.3 78.9

134 69.4 13.6 40.7#



#95

Naphthalene

Concen: 241.08 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002105.D

Acq: 29 May 2018 20:40

Tgt Ion: 128 Resp: 6036590

Ion Ratio Lower Upper

128 100

127 13.6 10.4 15.6

129 12.0 8.8 13.2

