

Data Path : W:\HPCHEM1\MSVOA X\Data\VX040218\
 Data File : VX000645.D
 Acq On : 02 Apr 2018 18:30
 Operator : JC/MD
 Sample : J2172-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 22181-8

Quant Time: Apr 03 03:07:22 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	126398	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	211235	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	219688	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	136882	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	82652	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
35) Dibromofluoromethane	5.51	113	65602	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
50) Toluene-d8	8.72	98	278394	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
62) 4-Bromofluorobenzene	11.15	95	107624	46.67	ug/l	0.00
Spiked Amount			Recovery	=	93.34%	

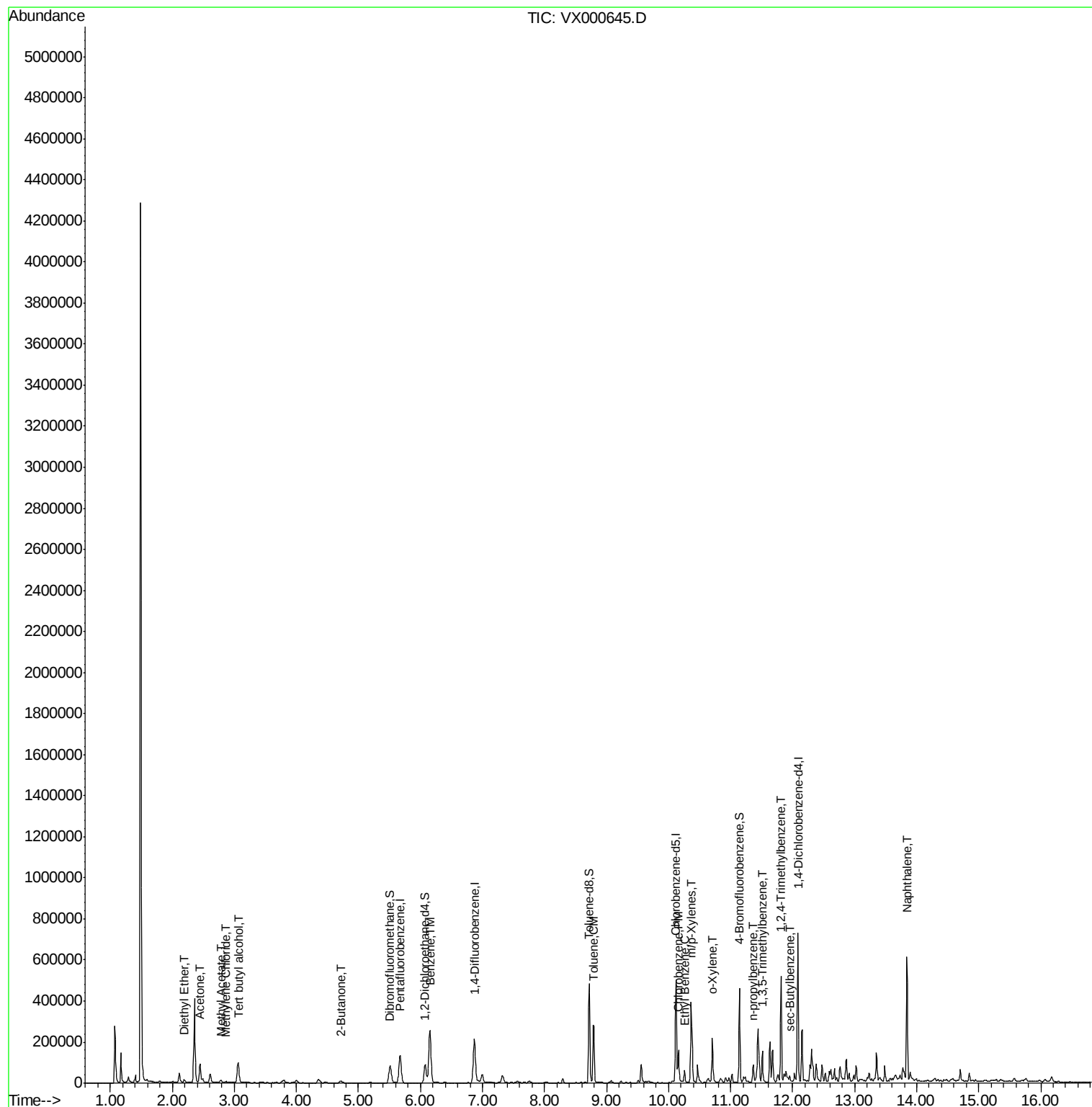
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.19	74	4019	4.02	ug/l	72
11) Tert butyl alcohol	3.06	59	119181	210.00	ug/l	98
16) Acetone	2.45	43	95447	69.54	ug/l	97
18) Methyl Acetate	2.78	43	13578	4.72	ug/l	98
20) Methylene Chloride	2.86	84	2258	1.42	ug/l	91
25) 2-Butanone	4.71	43	17529	11.36	ug/l	98
40) Benzene	6.15	78	305185	53.11	ug/l	99
52) Toluene	8.79	92	102770	25.58	ug/l	99
65) Chlorobenzene	10.15	112	4898	1.00	ug/l	95
67) Ethyl Benzene	10.26	91	32211	3.89	ug/l	94
68) m/p-Xylenes	10.37	106	72956	22.37	ug/l	98
69) o-Xylene	10.71	106	45307	14.35	ug/l	95
78) n-propylbenzene	11.37	91	44620	4.13	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	60512	7.94	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	216689	27.10	ug/l	99
85) sec-Butylbenzene	11.95	105	10701	1.12	ug/l	89
95) Naphthalene	13.84	128	344475	30.80	ug/l	99

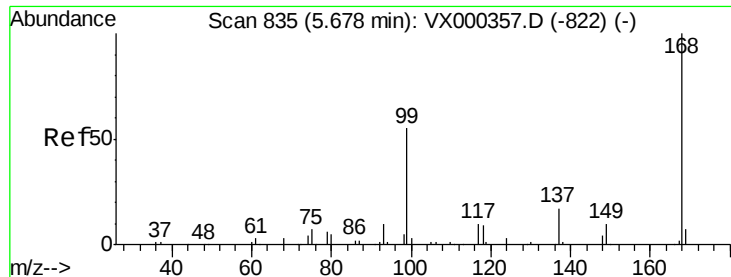
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000645.D

Acq: 02 Apr 2018 18:30

Instrument :

MSVOA_X

ClientSampleId :

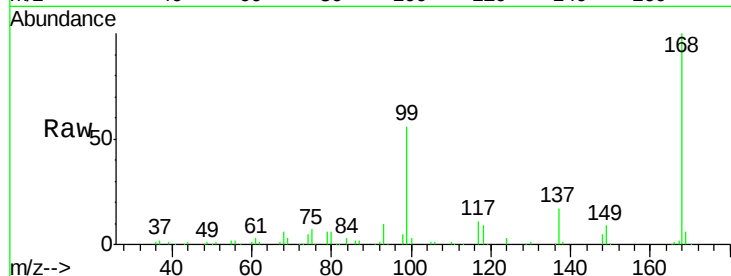
22181-8

Tot Ion:168 Resp: 126398

Ion Ratio Lower Upper

168 100

99 55.6 45.8 68.6

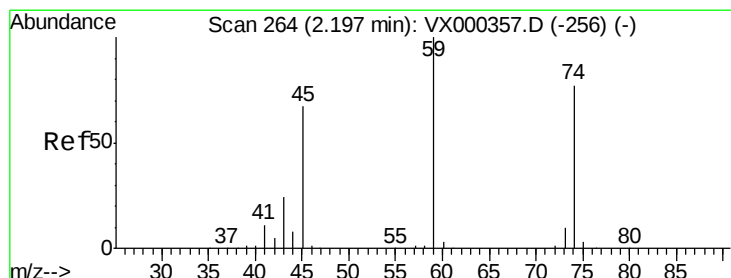
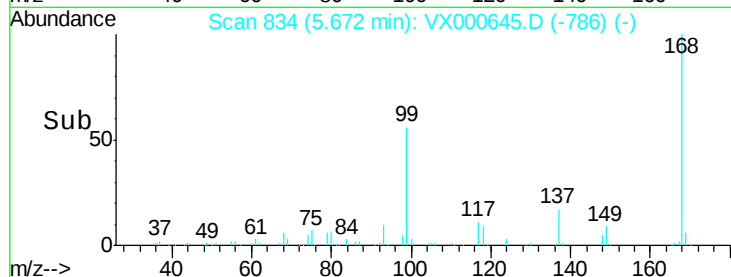


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

Time--> 5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 4.02 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.01 min

Lab File: VX000645.D

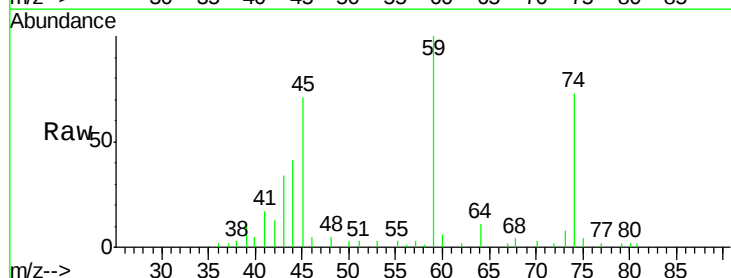
Acq: 02 Apr 2018 18:30

Tgt Ion: 74 Resp: 4019

Ion Ratio Lower Upper

74 100

45 116.4 45.1 135.3

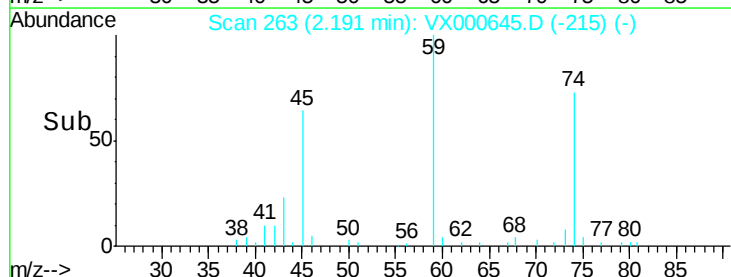


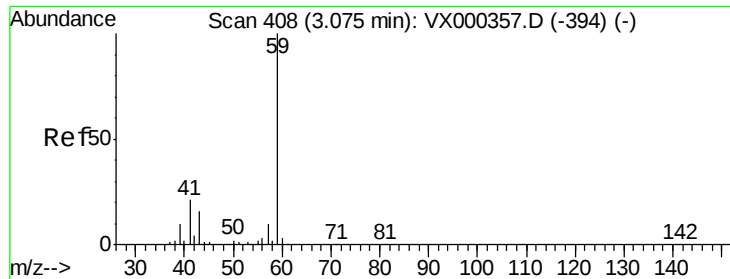
Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.19

Time--> 2.15 2.20 2.25



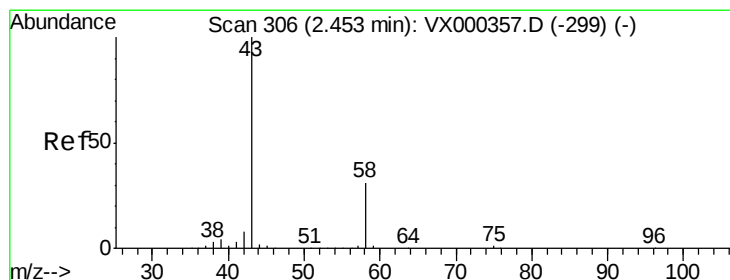
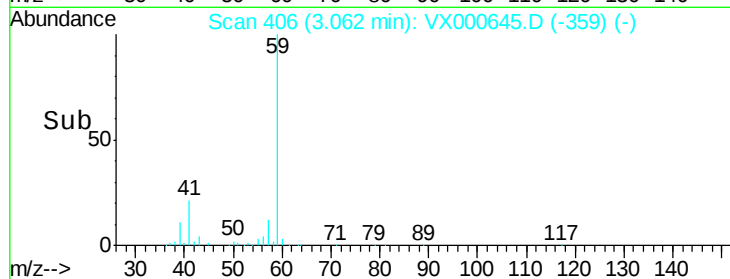
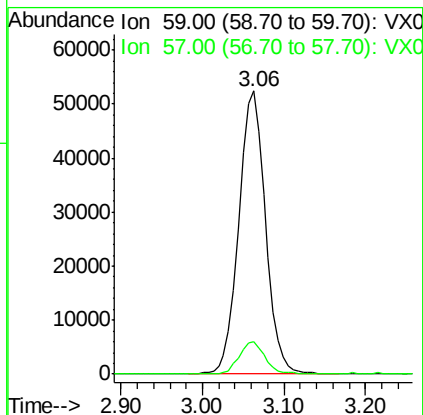
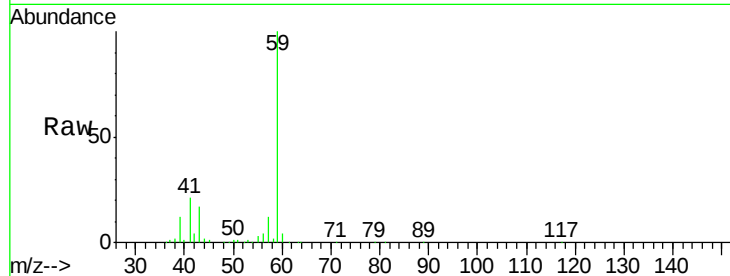


#11

Tert butyl alcohol
 Concen: 210.00 ug/l
 RT: 3.06 min Scan# 406
 Delta R.T. -0.01 min
 Lab File: VX000645.D
 Acq: 02 Apr 2018 18:30

Instrument :
 MSVOA_X
 ClientSampled :
 22181-8

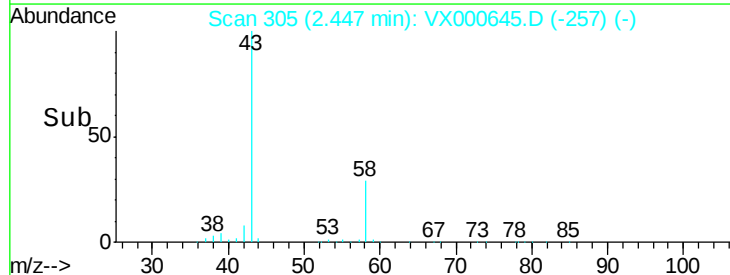
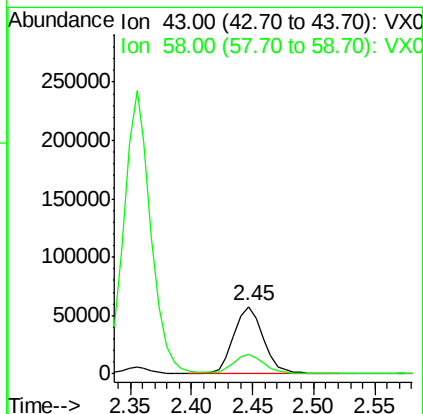
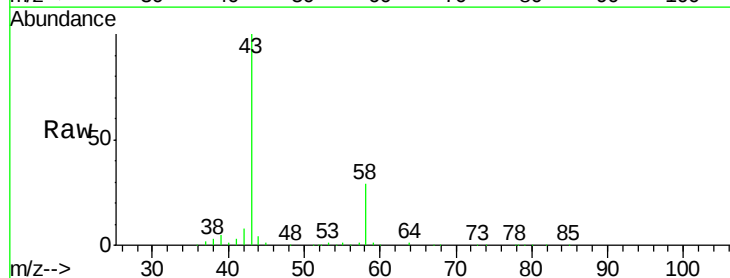
Tot Ion: 59 Resp: 119181
 Ion Ratio Lower Upper
 59 100
 57 11.1 8.4 12.6

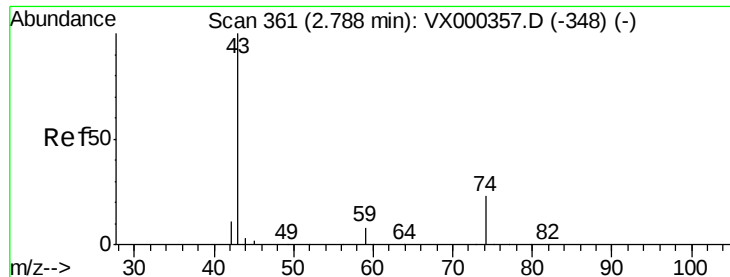


#16

Acetone
 Concen: 69.54 ug/l
 RT: 2.45 min Scan# 305
 Delta R.T. -0.01 min
 Lab File: VX000645.D
 Acq: 02 Apr 2018 18:30

Tgt Ion: 43 Resp: 95447
 Ion Ratio Lower Upper
 43 100
 58 29.0 24.7 37.1

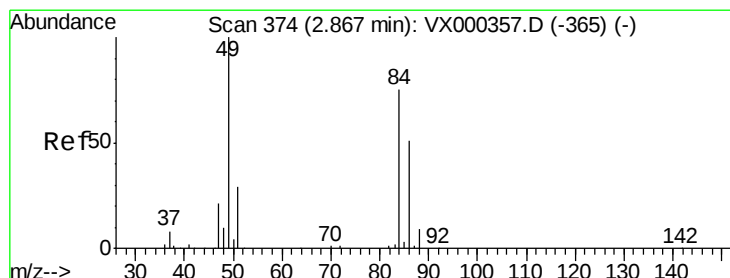
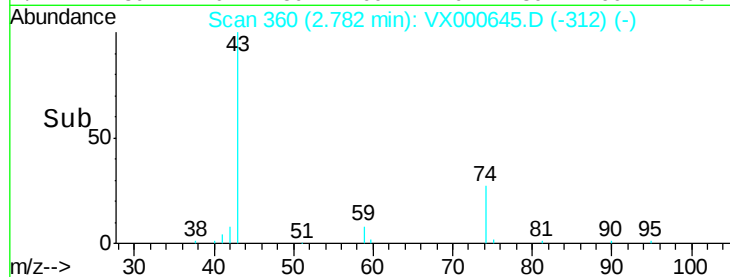
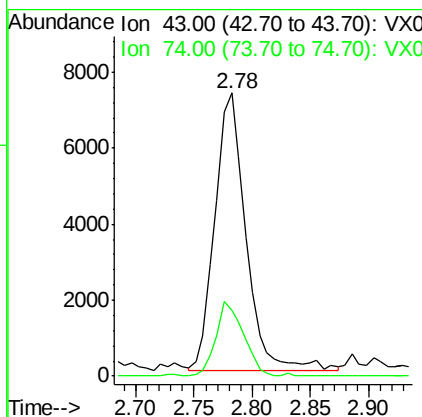
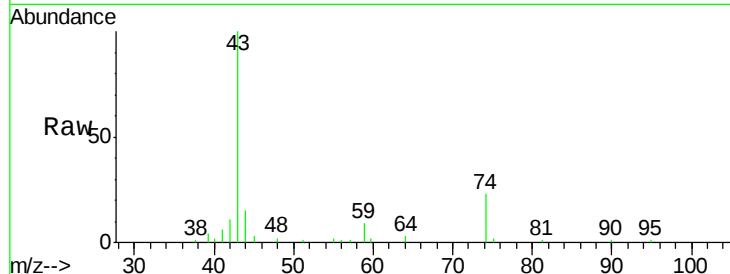




#18
Methvl Acetate
Concen: 4.72 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.01 min
Lab File: VX000645.D
Acq: 02 Apr 2018 18:30

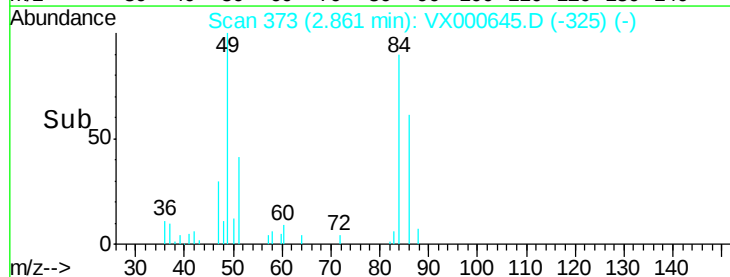
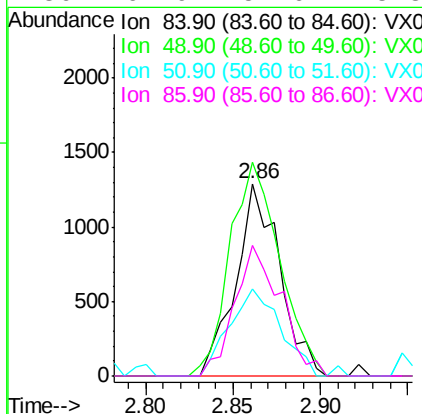
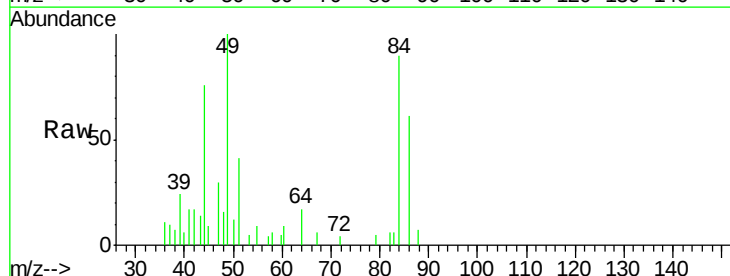
Instrument :
MSVOA_X
ClientSampleId :
22181-8

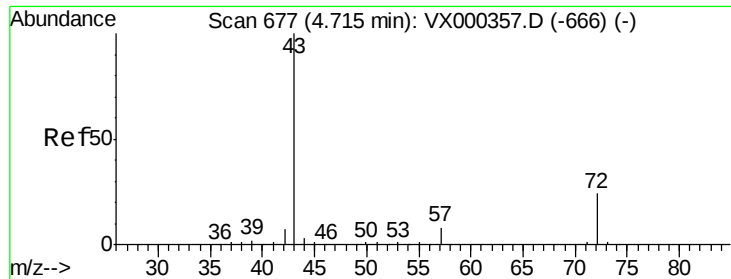
Tot Ion: 43 Resp: 13578
Ion Ratio Lower Upper
43 100
74 23.5 19.4 29.2



#20
Methylene Chloride
Concen: 1.42 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000645.D
Acq: 02 Apr 2018 18:30

Tgt Ion: 84 Resp: 2258
Ion Ratio Lower Upper
84 100
49 111.1 100.6 151.0
51 45.4 31.6 47.4
86 67.9 52.6 78.8





#25

2-Butanone

Concen: 11.36 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX000645.D

Acq: 02 Apr 2018 18:30

Instrument :

MSVOA_X

ClientSampleId :

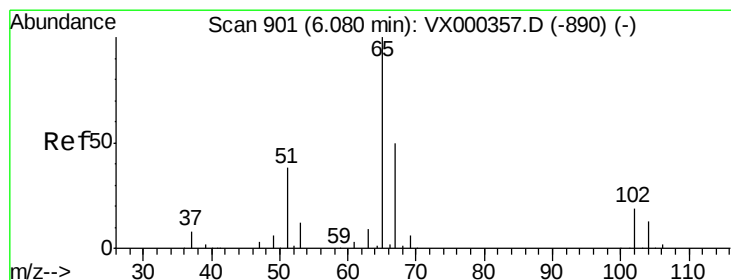
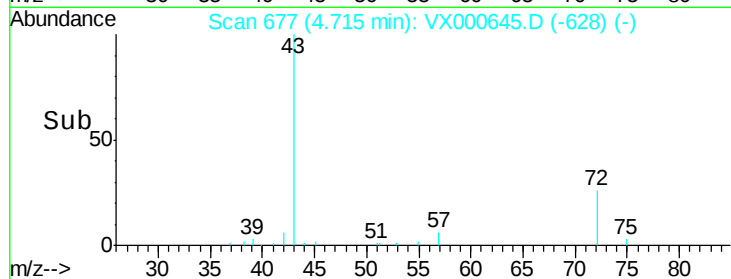
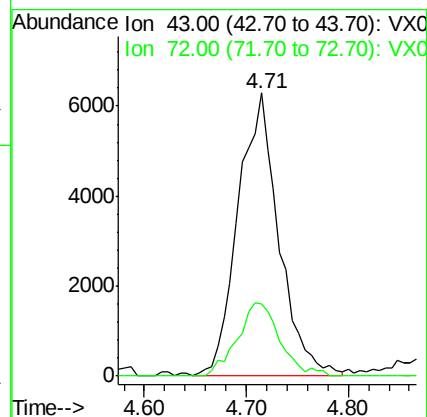
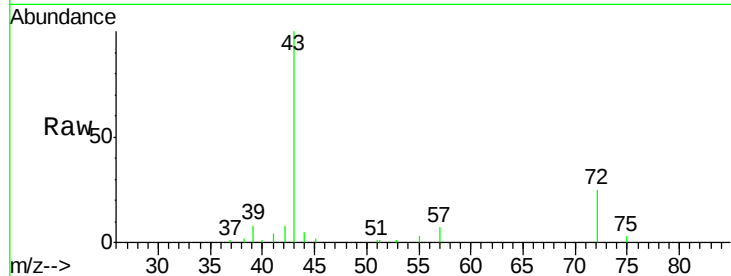
22181-8

Tot Ion: 43 Resp: 17529

Ion Ratio Lower Upper

43 100

72 25.4 21.0 31.6



#33

1,2-Dichloroethane-d4

Concen: 50.09 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.01 min

Lab File: VX000645.D

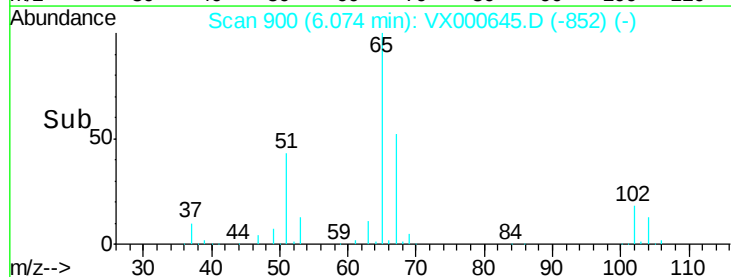
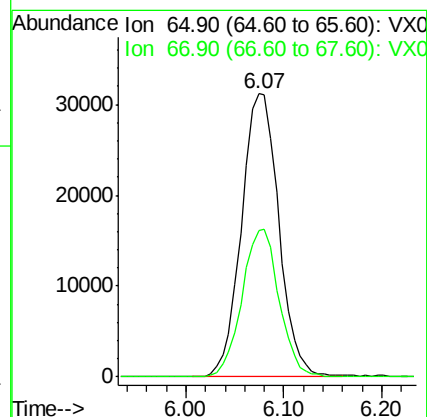
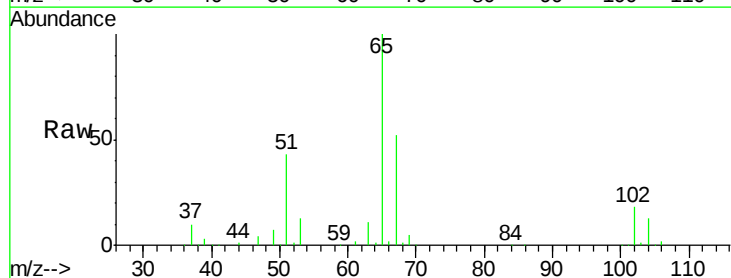
Acq: 02 Apr 2018 18:30

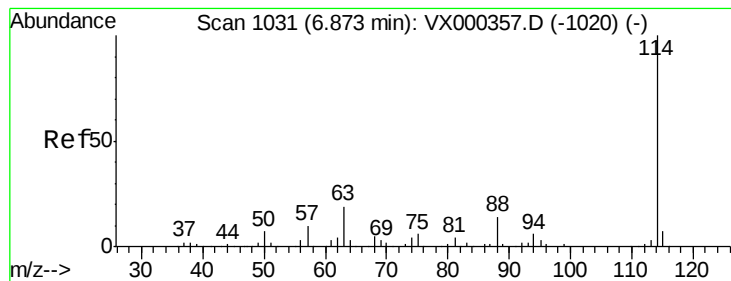
Tgt Ion: 65 Resp: 82652

Ion Ratio Lower Upper

65 100

67 51.6 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VX000645.D

Acq: 02 Apr 2018 18:30

Instrument :

MSVOA_X

ClientSampleId :

22181-8

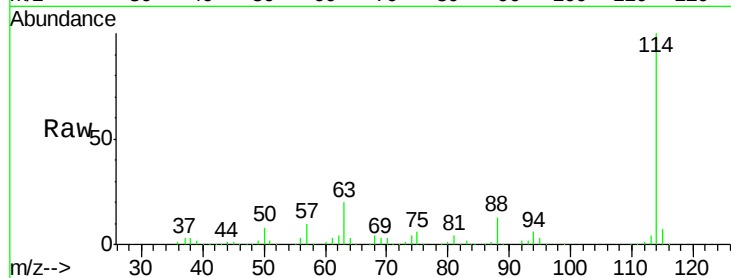
Tot Ion:114 Resp: 211235

Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.4

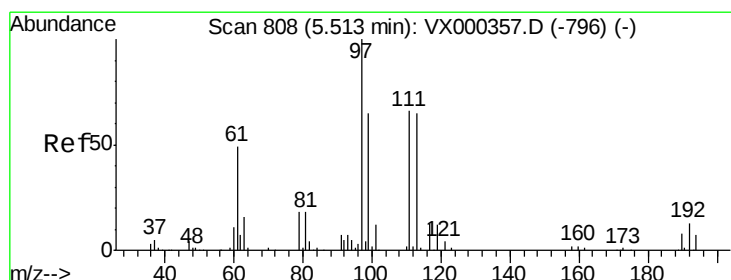
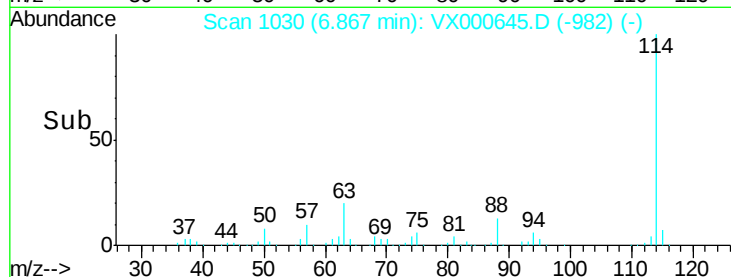
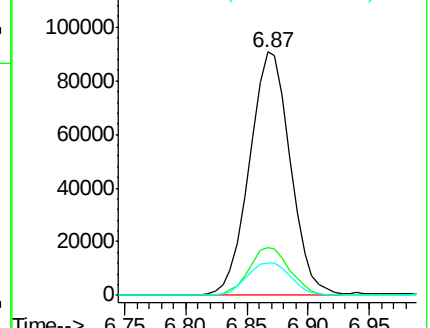
88 13.4 0.0 27.0



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: 49.29 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX000645.D

Acq: 02 Apr 2018 18:30

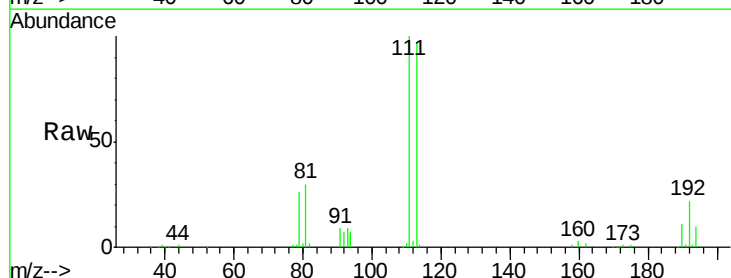
Tgt Ion:113 Resp: 65602

Ion Ratio Lower Upper

113 100

111 102.0 82.4 123.6

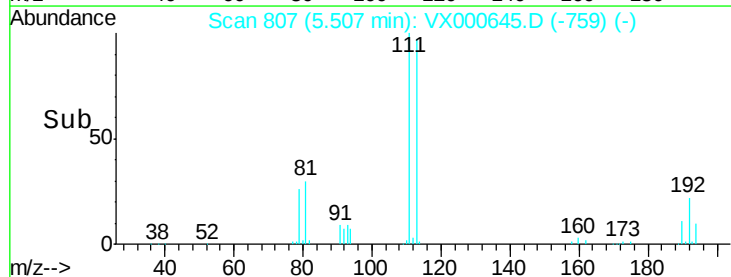
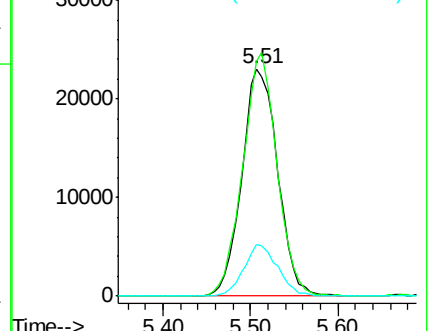
192 21.5 15.8 23.6

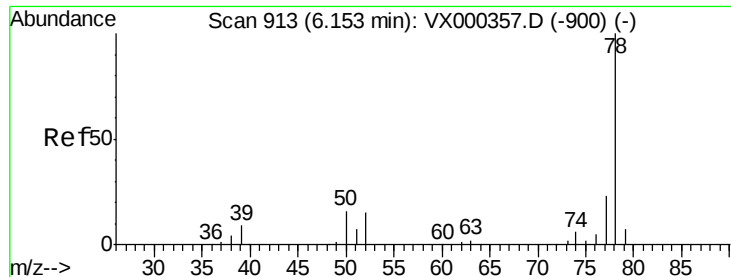


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 53.11 ug/l

RT: 6.15 min Scan# 913

Delta R.T. -0.00 min

Lab File: VX000645.D

Acq: 02 Apr 2018 18:30

Instrument :

MSVOA_X

ClientSampled :

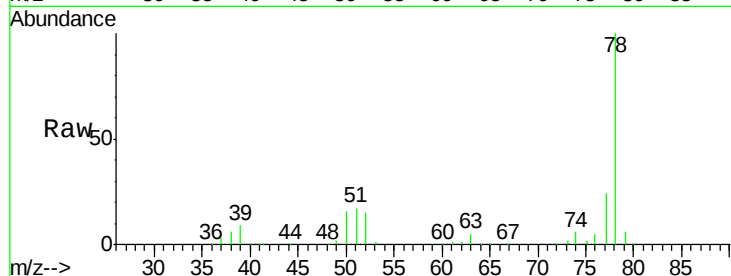
22181-8

Tot Ion: 78 Resp: 305185

Ion Ratio Lower Upper

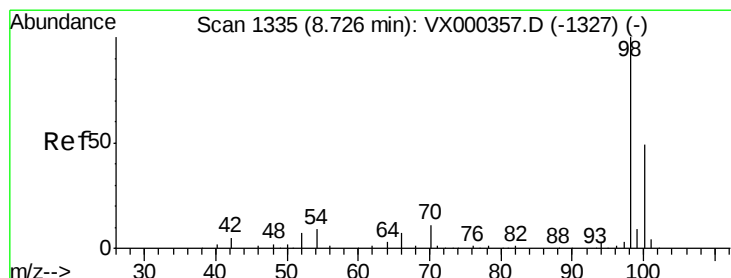
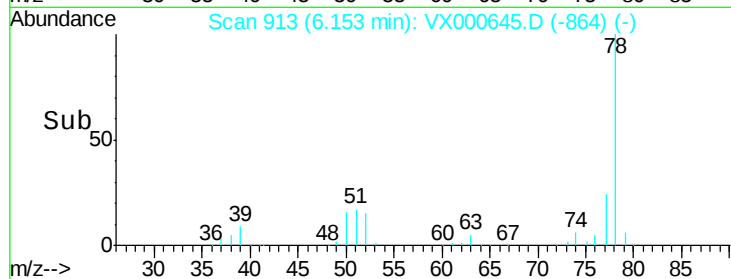
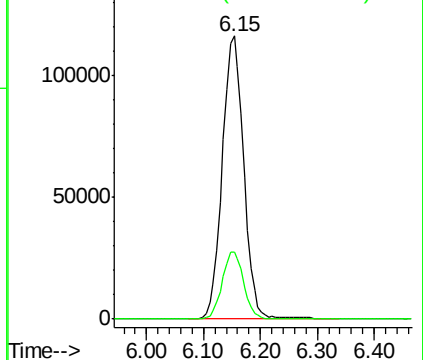
78 100

77 23.7 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 50.50 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.01 min

Lab File: VX000645.D

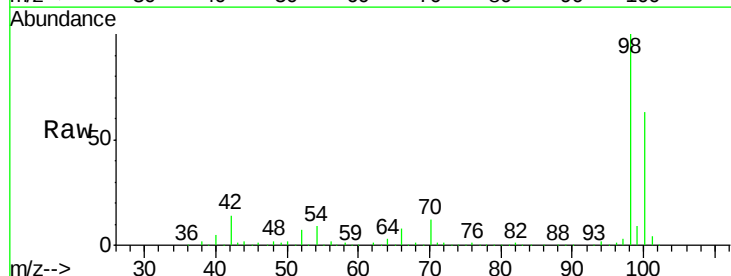
Acq: 02 Apr 2018 18:30

Tgt Ion: 98 Resp: 278394

Ion Ratio Lower Upper

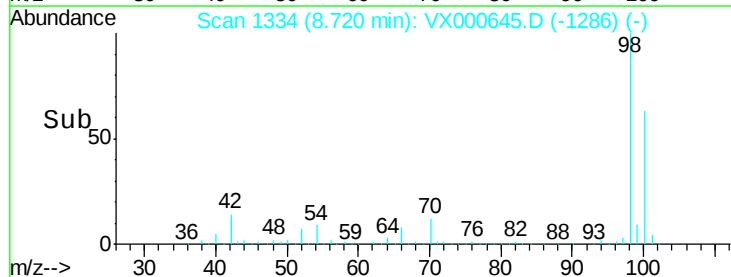
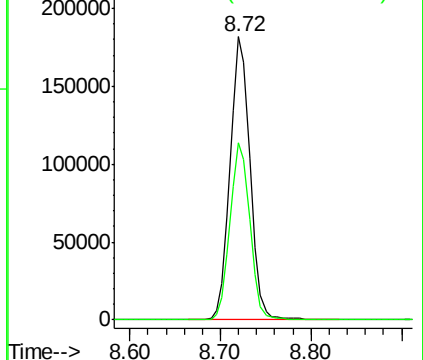
98 100

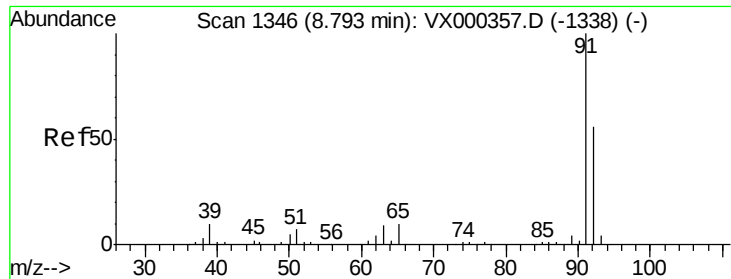
100 62.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 25.58 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VX000645.D

Acq: 02 Apr 2018 18:30

Instrument :

MSVOA_X

ClientSampleId :

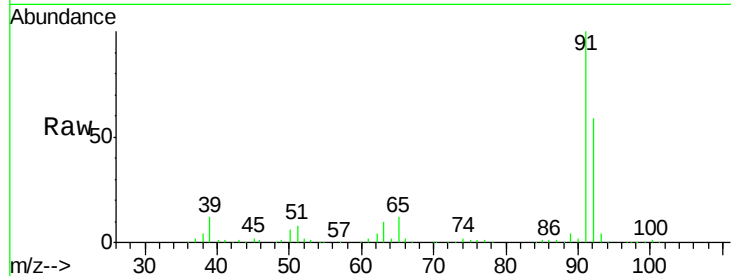
22181-8

Tot Ion: 92 Resp: 102770

Ion Ratio Lower Upper

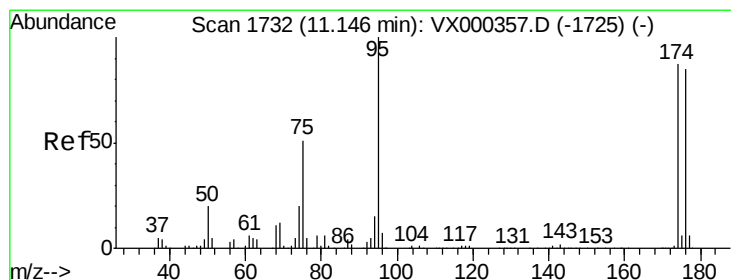
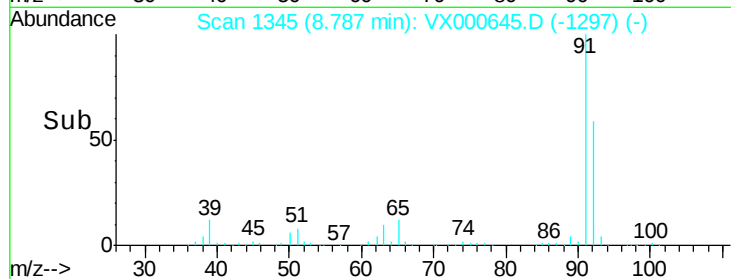
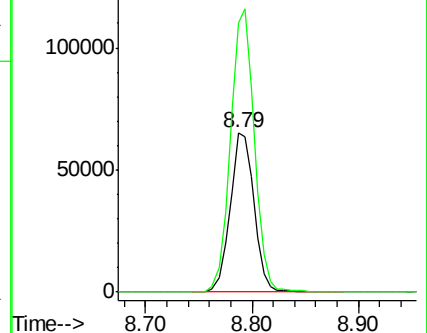
92 100

91 176.9 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 46.67 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000645.D

Acq: 02 Apr 2018 18:30

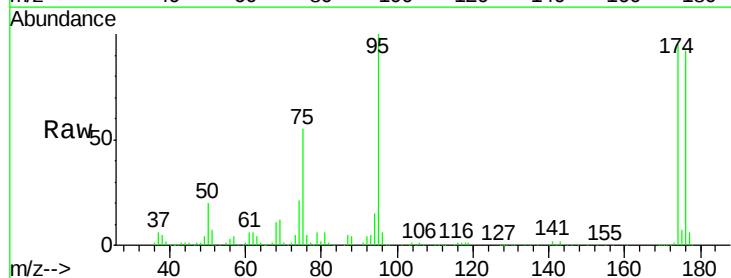
Tgt Ion: 95 Resp: 107624

Ion Ratio Lower Upper

95 100

174 91.1 0.0 173.6

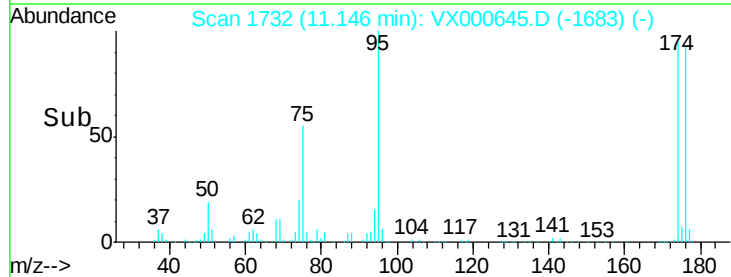
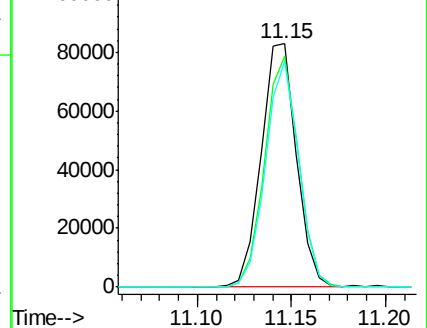
176 87.2 0.0 164.6

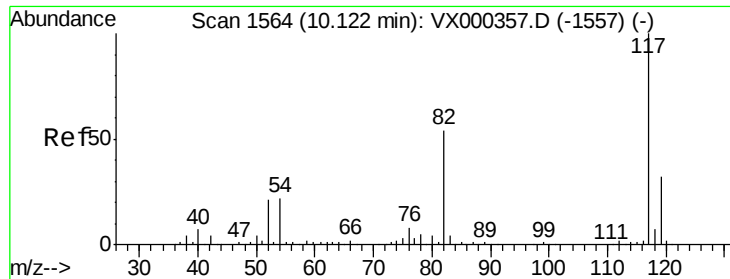


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

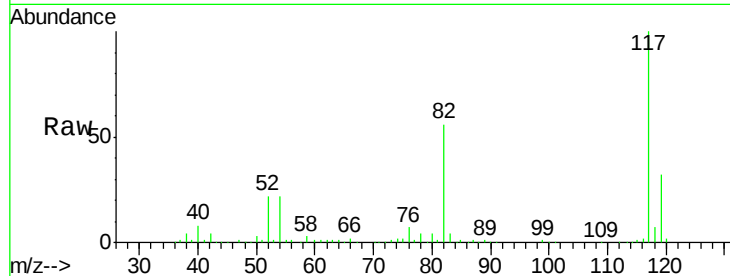




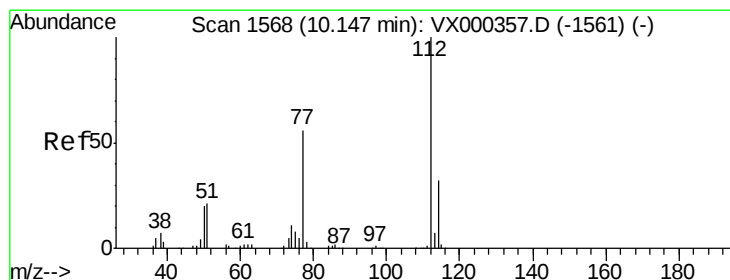
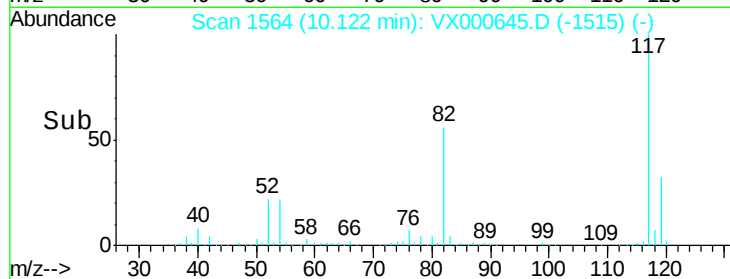
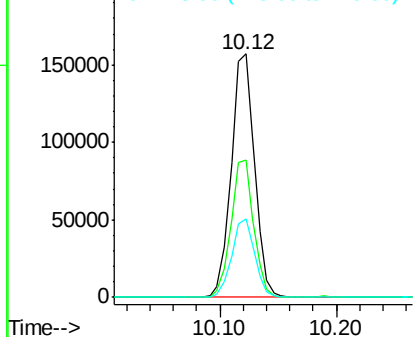
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000645.D
Acq: 02 Apr 2018 18:30

Instrument :
MSVOA_X
ClientSampled :
22181-8

Tot Ion:117 Resp: 219688
Ion Ratio Lower Upper
117 100
82 56.3 43.8 65.8
119 32.5 24.9 37.3

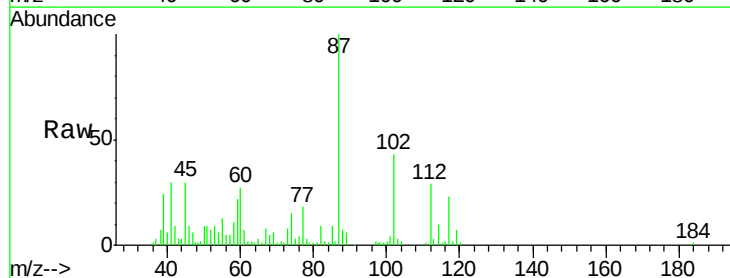


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

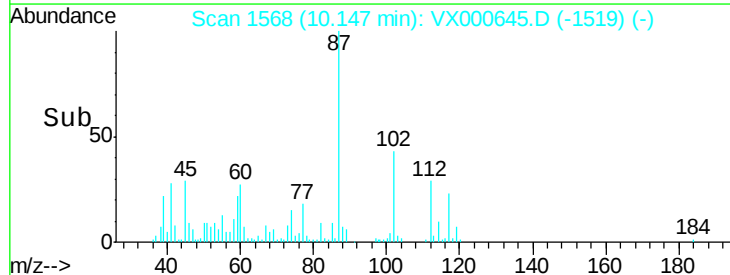
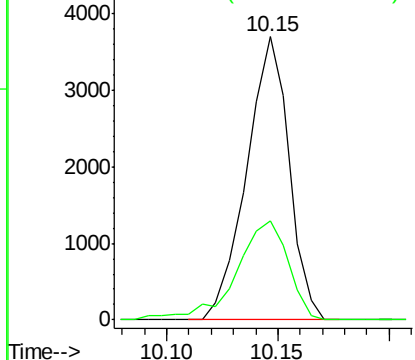


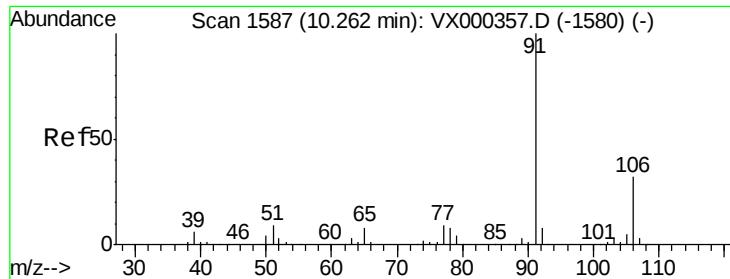
#65
Chlorobenzene
Concen: 1.00 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX000645.D
Acq: 02 Apr 2018 18:30

Tgt Ion:112 Resp: 4898
Ion Ratio Lower Upper
112 100
114 35.1 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

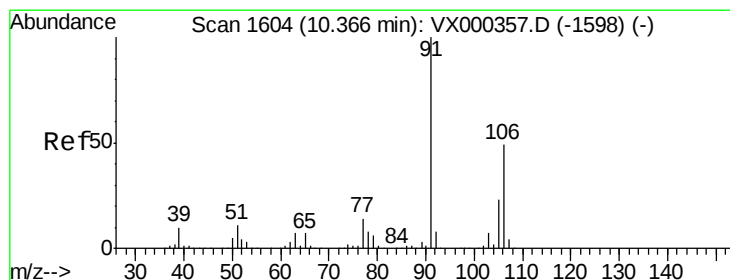
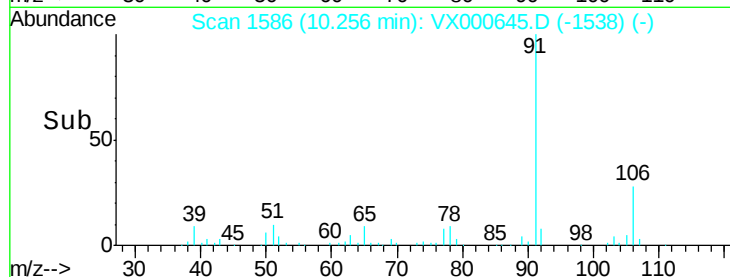
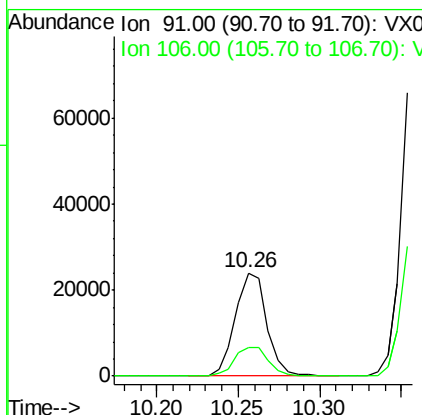
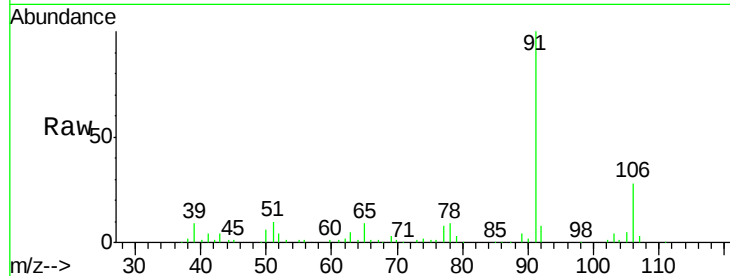




#67
Ethyl Benzene
Concen: 3.89 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.01 min
Lab File: VX000645.D
Acq: 02 Apr 2018 18:30

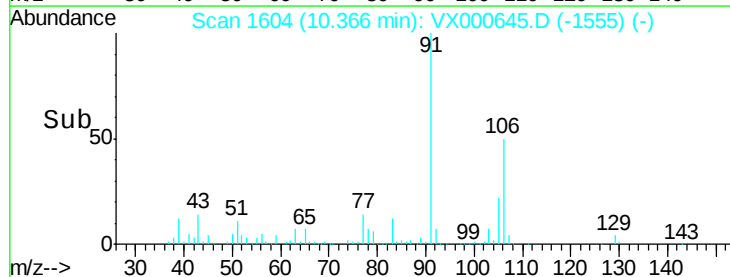
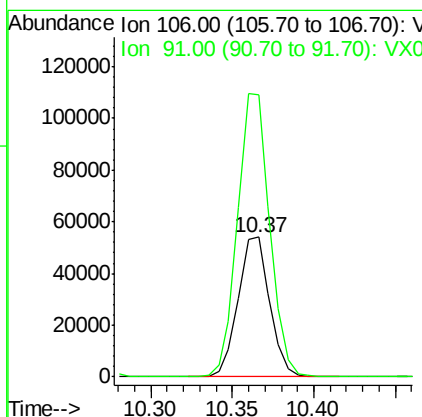
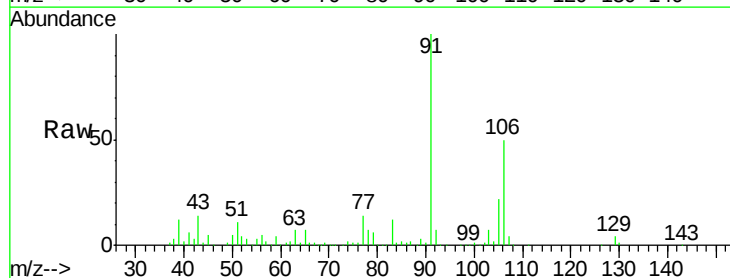
Instrument :
MSVOA_X
ClientSampled :
22181-8

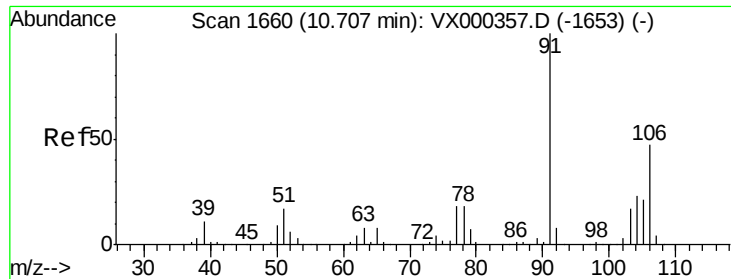
Tot Ion: 91 Resp: 32211
Ion Ratio Lower Upper
91 100
106 28.0 25.0 37.6



#68
m/p-Xylenes
Concen: 22.37 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX000645.D
Acq: 02 Apr 2018 18:30

Tgt Ion: 106 Resp: 72956
Ion Ratio Lower Upper
106 100
91 207.5 163.4 245.2

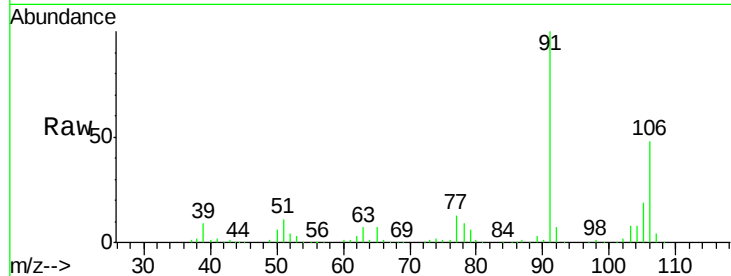




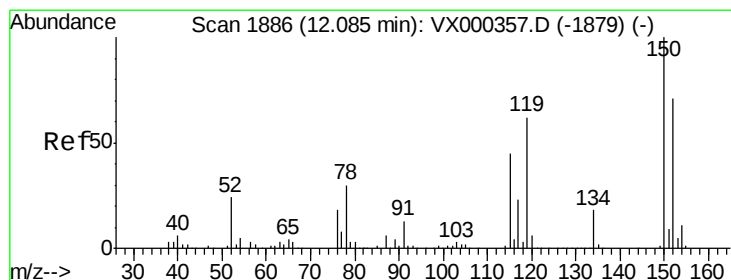
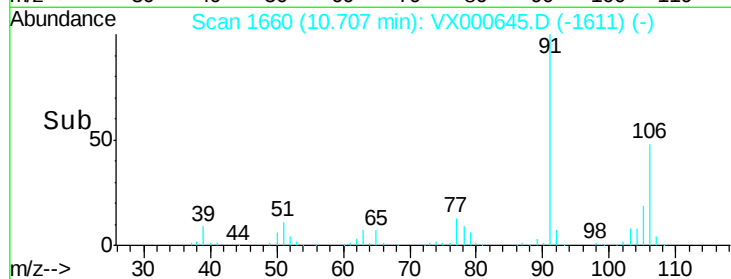
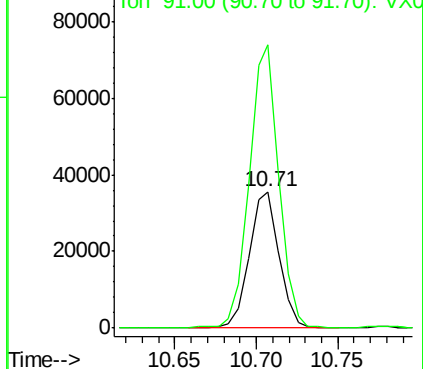
#69
o-Xylene
Concen: 14.35 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VX000645.D
Acq: 02 Apr 2018 18:30

Instrument :
MSVOA_X
ClientSampled :
22181-8

Tot Ion:106 Resp: 45307
Ion Ratio Lower Upper
106 100
91 205.8 106.5 319.6

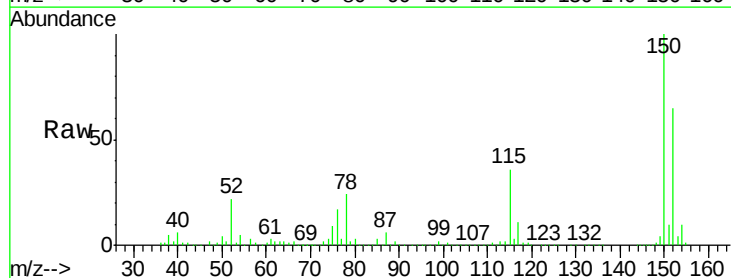


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX

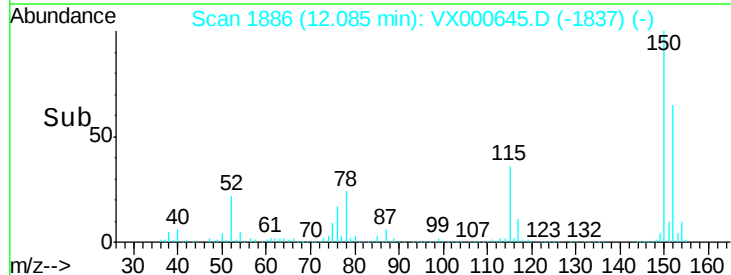
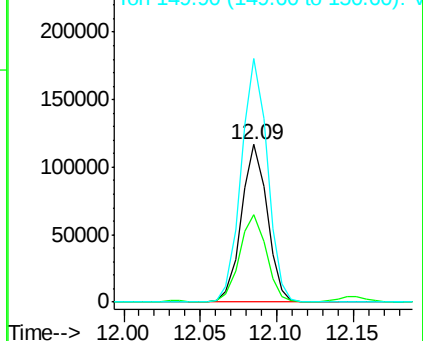


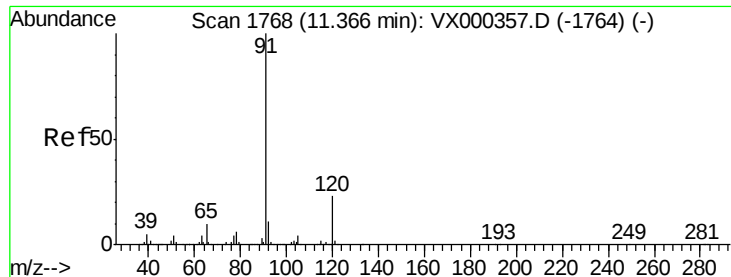
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000645.D
Acq: 02 Apr 2018 18:30

Tgt Ion:152 Resp: 136882
Ion Ratio Lower Upper
152 100
115 56.7 39.8 119.3
150 156.7 0.0 344.4



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





#78

n-propylbenzene

Concen: 4.13 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX000645.D

Acq: 02 Apr 2018 18:30

Instrument :

MSVOA_X

ClientSampleId :

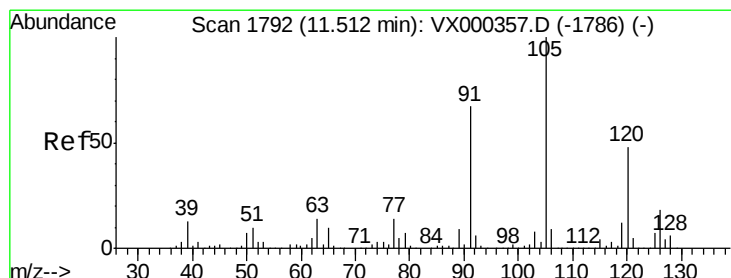
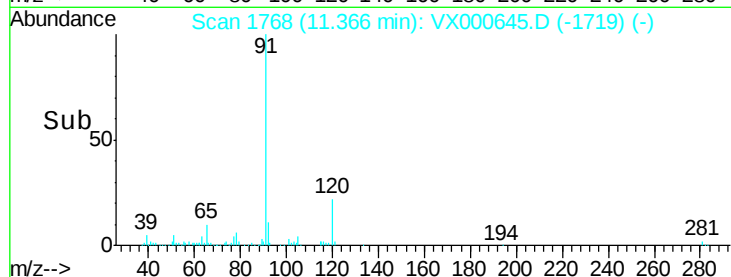
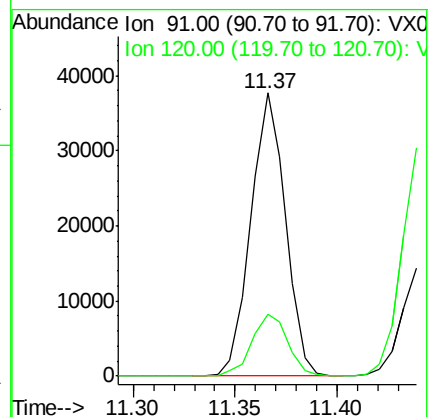
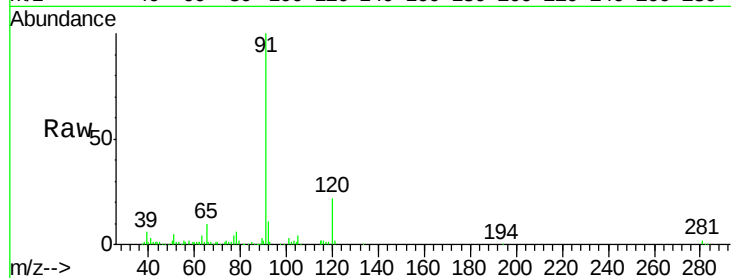
22181-8

Tot Ion: 91 Resp: 44620

Ion Ratio Lower Upper

91 100

120 22.6 11.8 35.3



#80

1,3,5-Trimethylbenzene

Concen: 7.94 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX000645.D

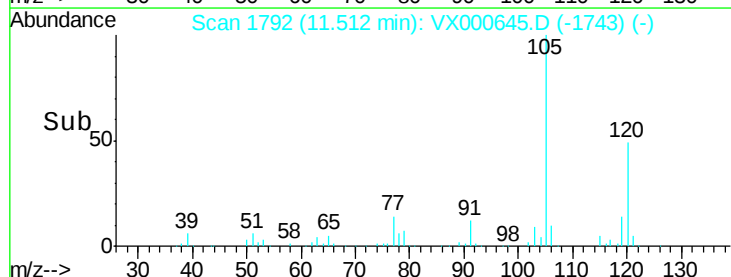
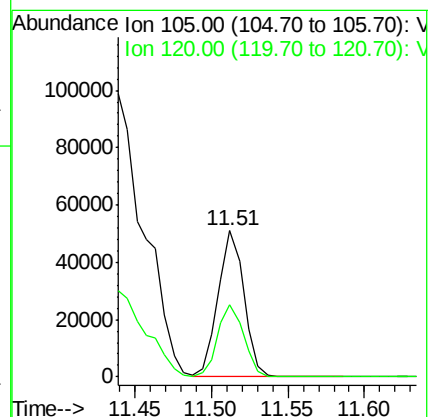
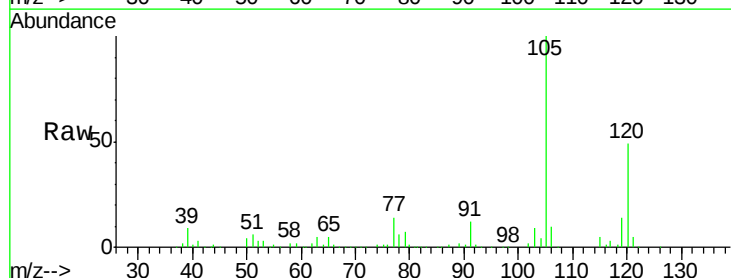
Acq: 02 Apr 2018 18:30

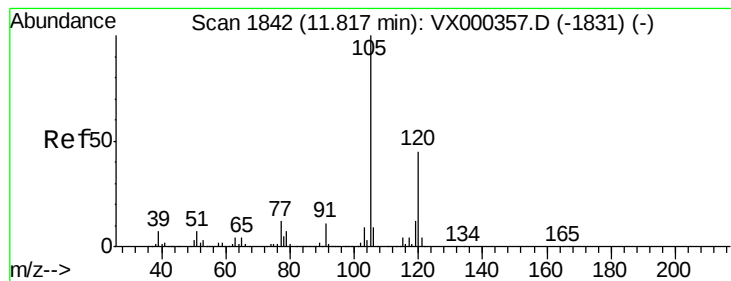
Tgt Ion: 105 Resp: 60512

Ion Ratio Lower Upper

105 100

120 49.6 24.1 72.4





#84

1,2,4-Trimethylbenzene

Concen: 27.10 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.01 min

Lab File: VX000645.D

Acq: 02 Apr 2018 18:30

Instrument :

MSVOA_X

ClientSampleId :

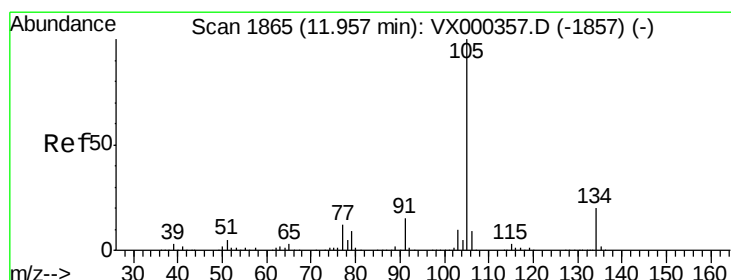
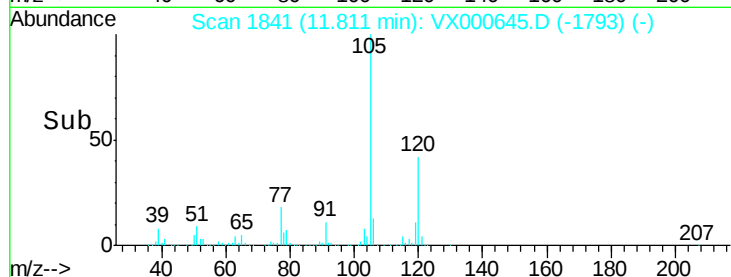
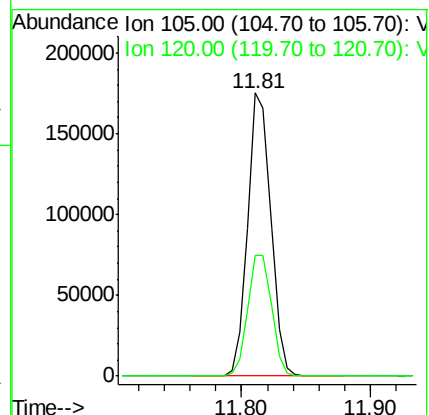
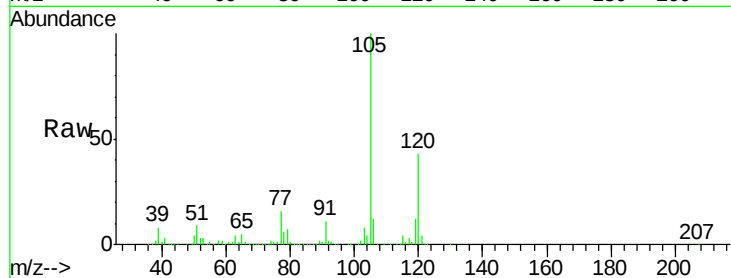
22181-8

Tot Ion:105 Resp: 21689

Ion Ratio Lower Upper

105 100

120 44.2 22.4 67.3



#85

sec-Butylbenzene

Concen: 1.12 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.01 min

Lab File: VX000645.D

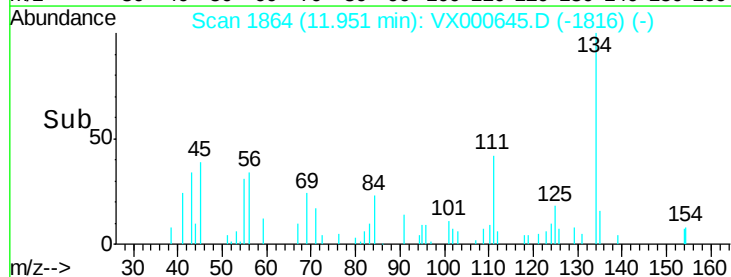
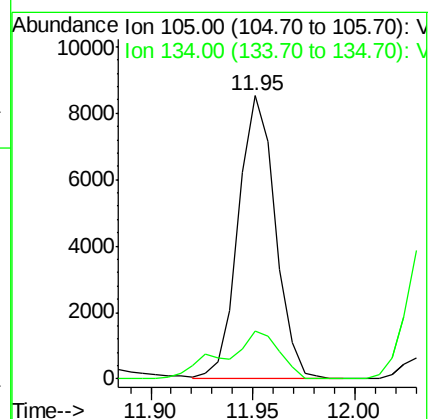
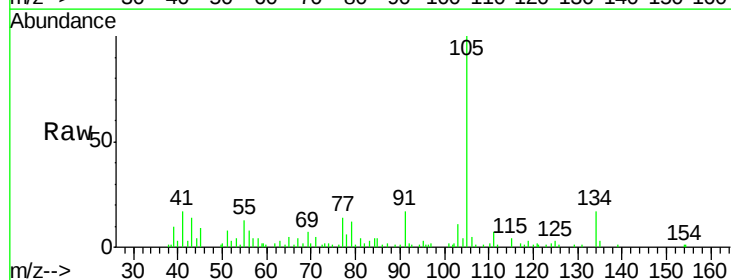
Acq: 02 Apr 2018 18:30

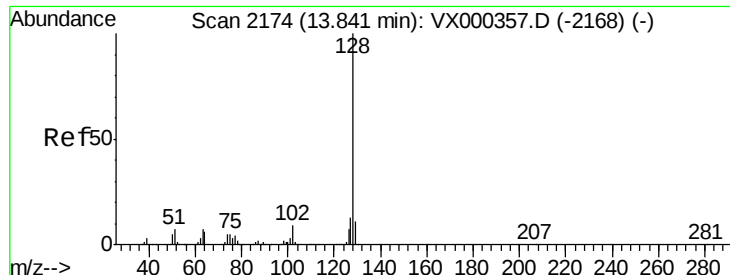
Tgt Ion:105 Resp: 10701

Ion Ratio Lower Upper

105 100

134 25.6 10.3 30.8

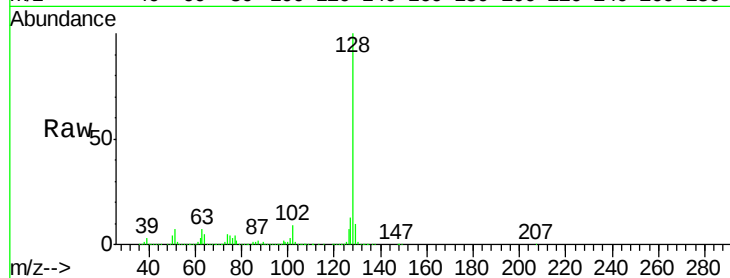




#95
Naphthalene
Concen: 30.80 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000645.D
Acq: 02 Apr 2018 18:30

Instrument :
MSVOA_X
ClientSampleId :
22181-8

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	10.9	8.9	13.3



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

