

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101618\
 Data File : VX005365.D
 Acq On : 16 Oct 2018 12:49
 Operator : JC/MD
 Sample : J5521-08DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TWP-03DL

Quant Time: Oct 17 06:42:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	299954	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	438918	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	387092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	202403	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	163541	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
35) Dibromofluoromethane	5.50	113	132204	45.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.96%	
50) Toluene-d8	8.71	98	524864	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
62) 4-Bromofluorobenzene	11.14	95	180953	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	

Target Compounds

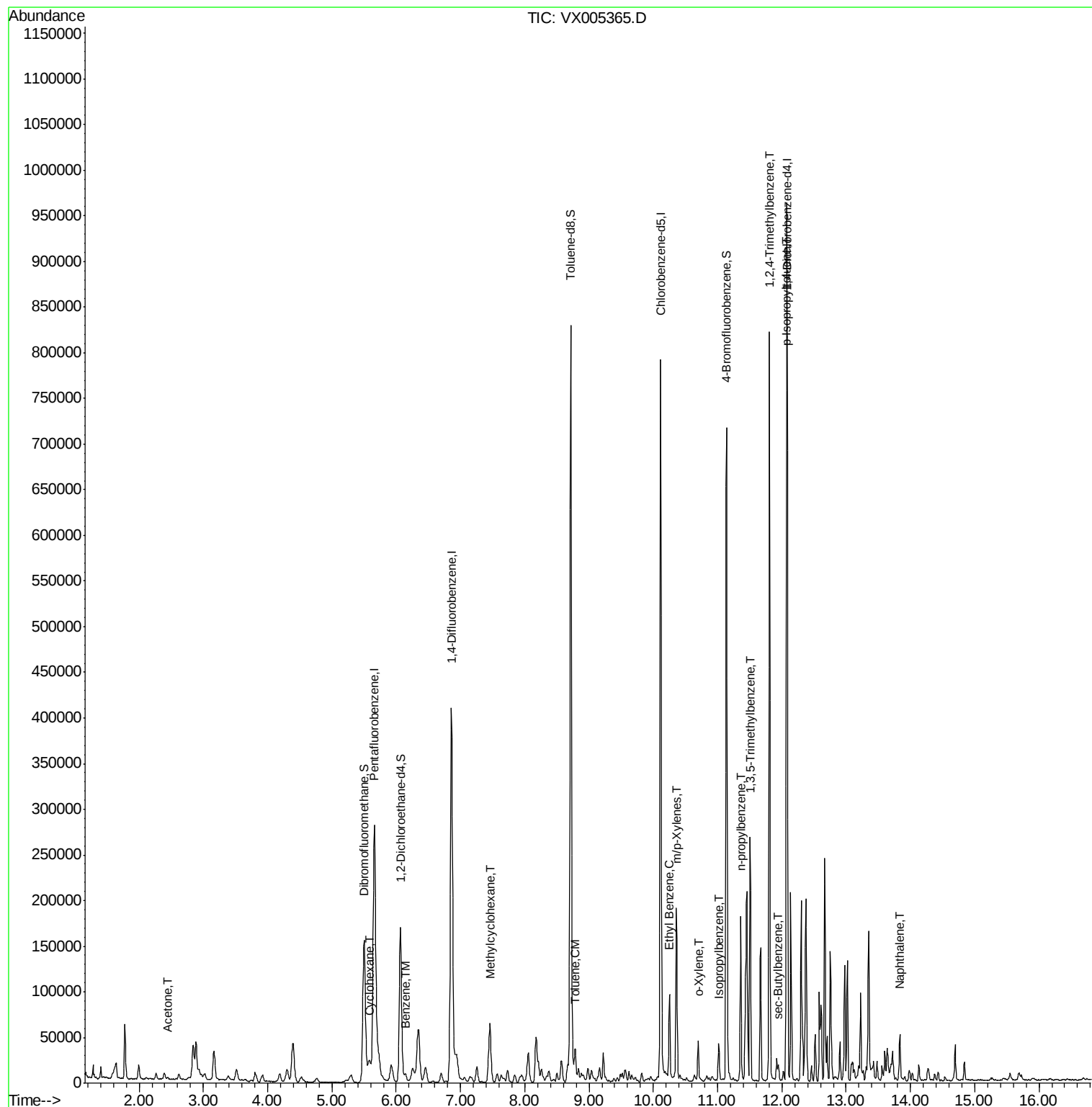
					Qvalue	
16) Acetone	2.45	43	2476	1.286	ug/l	95
31) Cyclohexane	5.57	56	15929	3.481	ug/l #	83
39) Methylcyclohexane	7.46	83	26344	5.726	ug/l	96
40) Benzene	6.14	78	9918	0.778	ug/l	95
52) Toluene	8.79	92	10926	1.566	ug/l	100
67) Ethyl Benzene	10.25	91	55990	4.183	ug/l	96
68) m/p-Xylenes	10.36	106	43018	8.280	ug/l	95
69) o-Xylene	10.70	106	9647	1.925	ug/l	97
73) Isopropylbenzene	11.02	105	19540	1.624	ug/l	99
78) n-propylbenzene	11.36	91	106933	7.723	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	112883	10.956	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	367395	34.648	ug/l	100
85) sec-Butylbenzene	11.94	105	9084m	0.736	ug/l	
86) p-Isopropyltoluene	12.07	119	3064	0.275	ug/l #	75
95) Naphthalene	13.83	128	31969	2.290	ug/l #	97

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

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QLast Update : Fri Oct 12 11:28:43 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX005365.D

Acq: 16 Oct 2018 12:49

Instrument :

MSVOA_X

ClientSampleId :

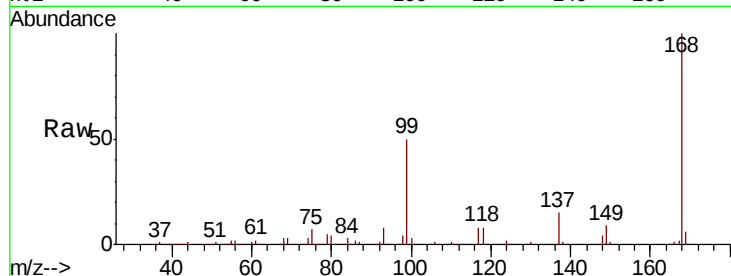
TWP-03DL

Tot Ion:168 Resp: 299954

Ion Ratio Lower Upper

168 100

99 49.7 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

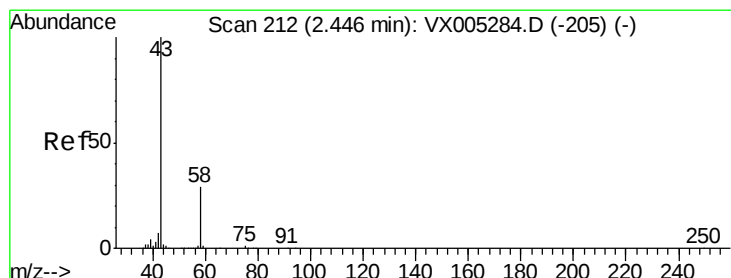
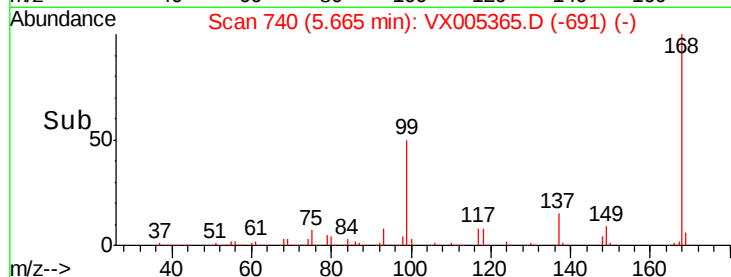
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 1.286 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005365.D

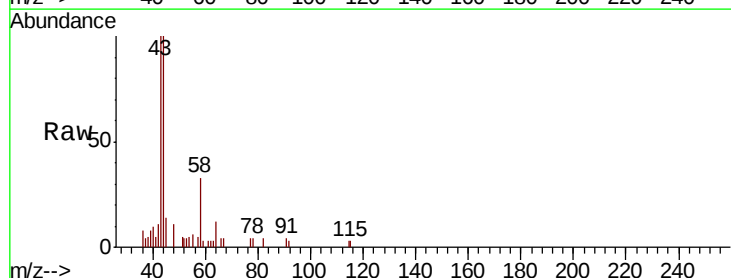
Acq: 16 Oct 2018 12:49

Tgt Ion: 43 Resp: 2476

Ion Ratio Lower Upper

43 100

58 35.6 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

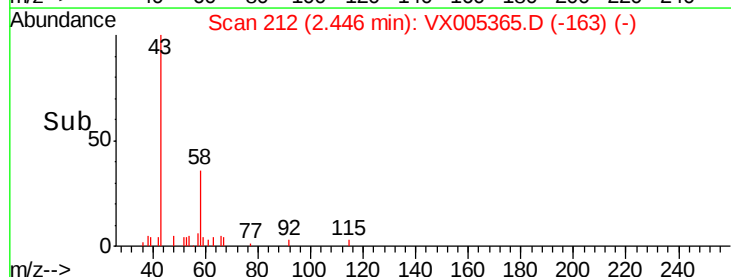
1500

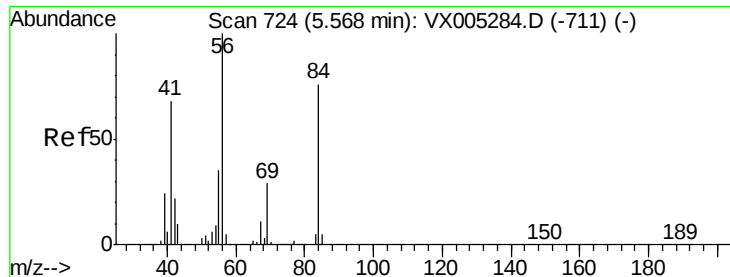
1000

500

0

Time--> 2.40 2.45 2.50

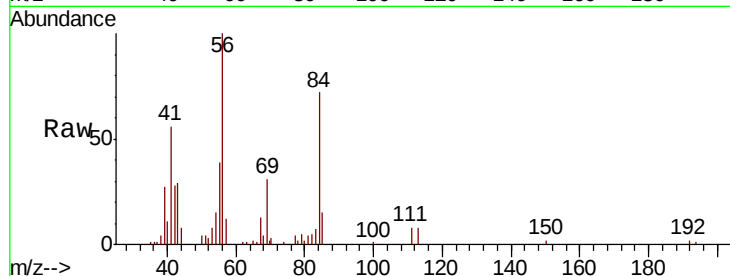




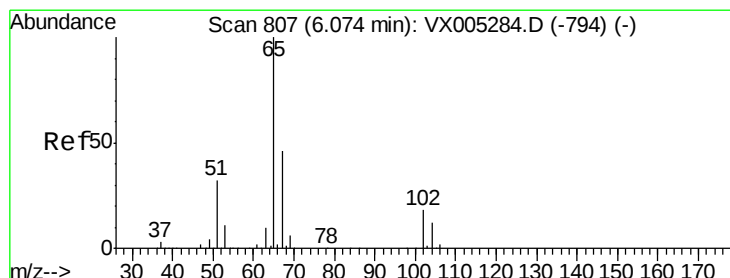
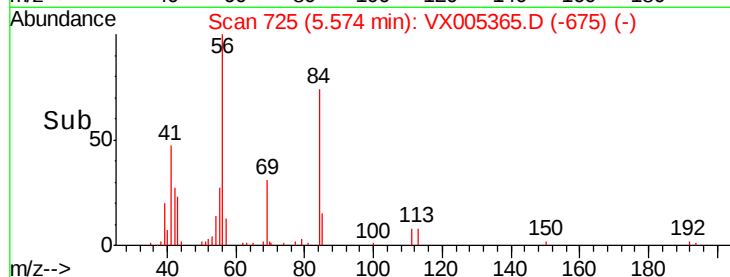
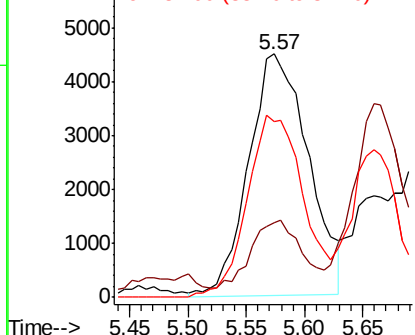
#31
Cyclohexane
Concen: 3.481 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.01 min
Lab File: VX005365.D
Acq: 16 Oct 2018 12:49

Instrument :
MSVOA_X
ClientSampleId :
TWP-03DL

Tot Ion: 56 Resp: 15929
Ion Ratio Lower Upper
56 100
69 21.5 25.4 38.2#
84 73.4 71.4 107.2

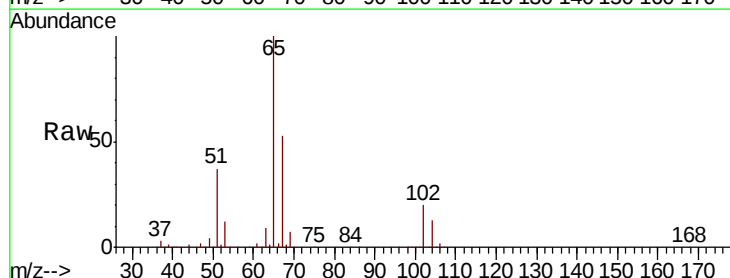


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

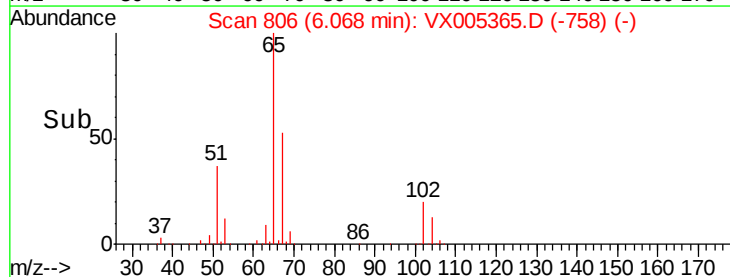
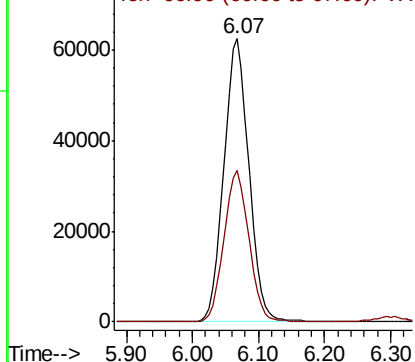


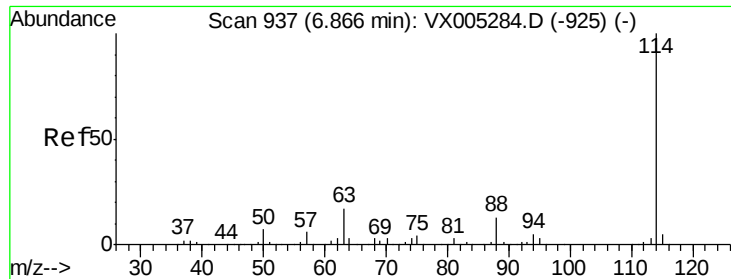
#33
1,2-Dichloroethane-d4
Concen: 49.126 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX005365.D
Acq: 16 Oct 2018 12:49

Tgt Ion: 65 Resp: 163541
Ion Ratio Lower Upper
65 100
67 53.4 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

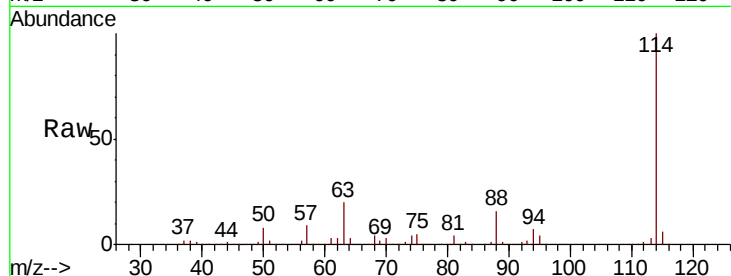




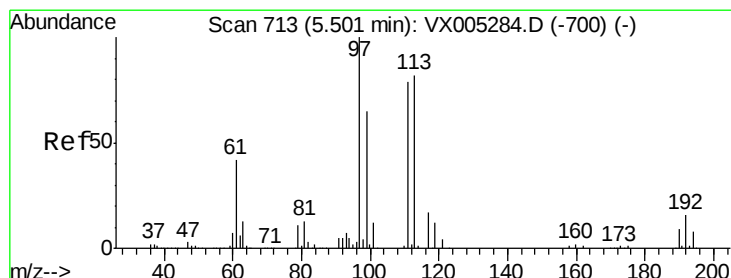
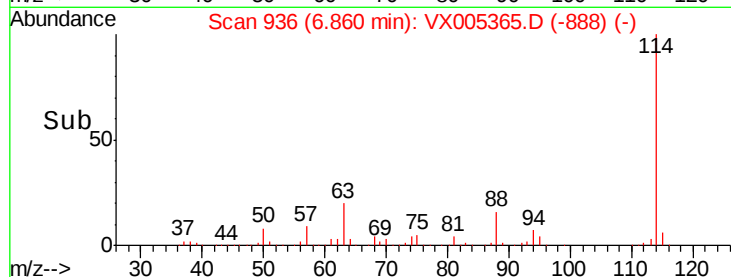
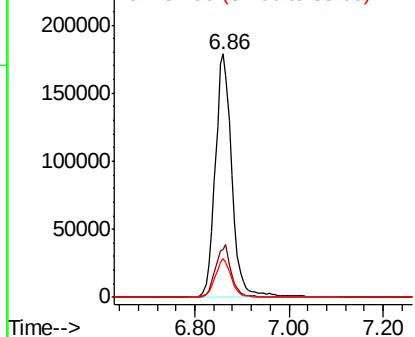
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.01 min
Lab File: VX005365.D
Acq: 16 Oct 2018 12:49

Instrument :
MSVOA_X
ClientSampleId :
TWP-03DL

Tot Ion:114 Resp: 438918
Ion Ratio Lower Upper
114 100
63 19.8 0.0 39.0
88 15.8 0.0 30.4

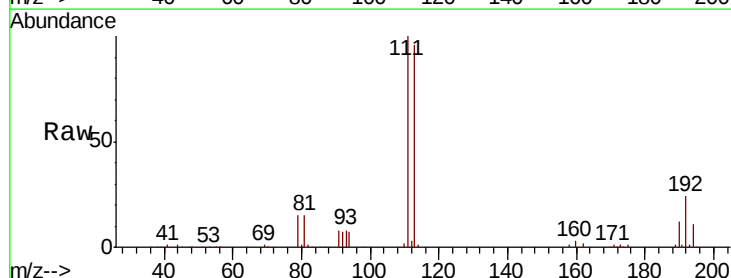


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

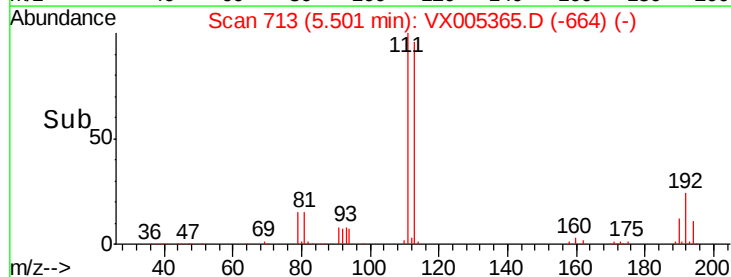
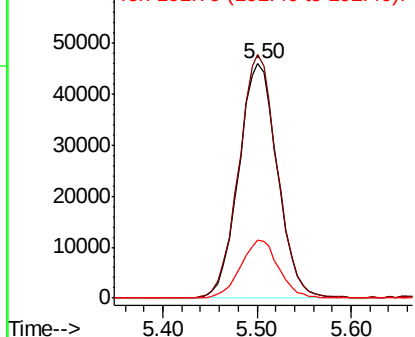


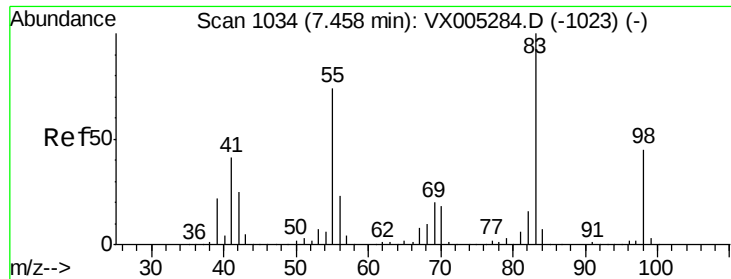
#35
Dibromofluoromethane
Concen: 45.477 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX005365.D
Acq: 16 Oct 2018 12:49

Tgt Ion:113 Resp: 132204
Ion Ratio Lower Upper
113 100
111 102.7 82.4 123.6
192 24.2 19.4 29.2



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

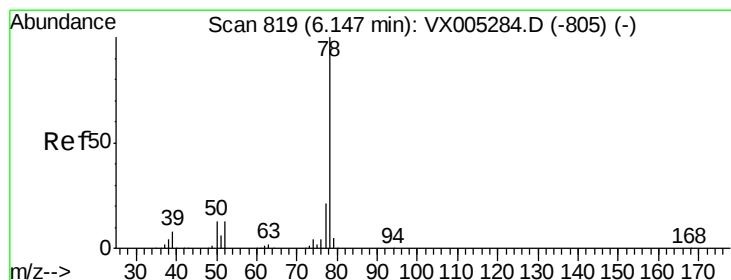
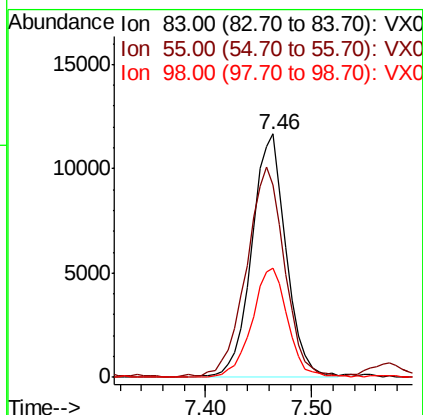
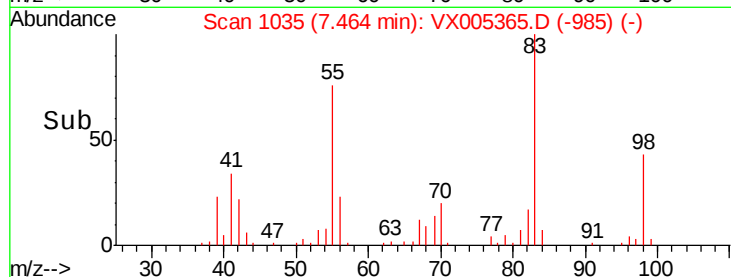
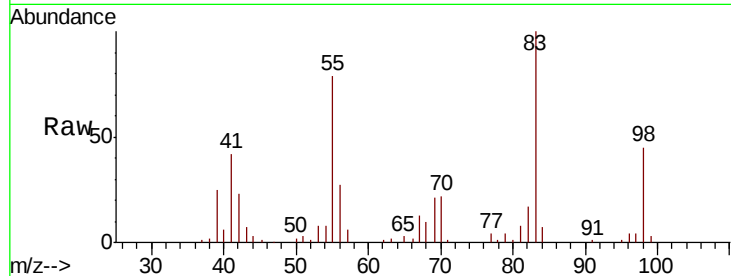




#39
Methvlcvclohexane
Concen: 5.726 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005365.D
Acq: 16 Oct 2018 12:49

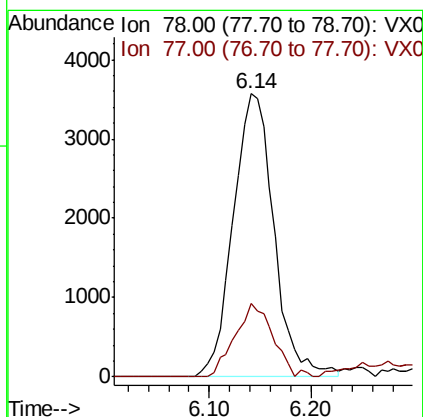
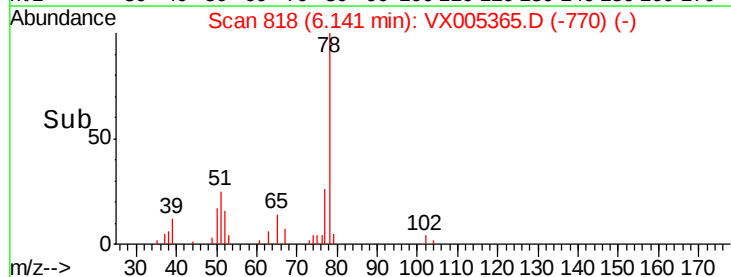
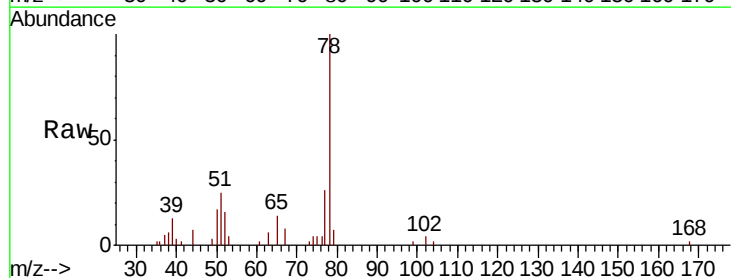
Instrument :
MSVOA_X
ClientSampleId :
TWP-03DL

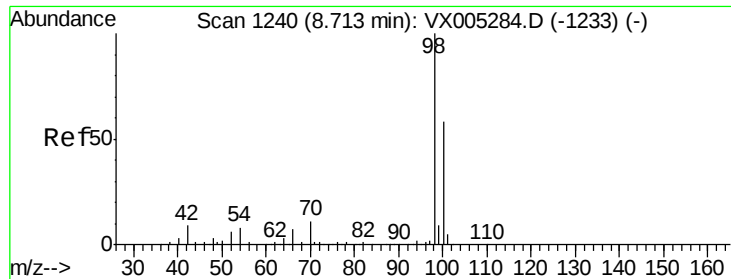
Tot Ion: 83 Resp: 26344
Ion Ratio Lower Upper
83 100
55 78.1 61.0 91.4
98 44.8 39.6 59.4



#40
Benzene
Concen: 0.778 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005365.D
Acq: 16 Oct 2018 12:49

Tgt Ion: 78 Resp: 9918
Ion Ratio Lower Upper
78 100
77 26.1 19.0 28.4

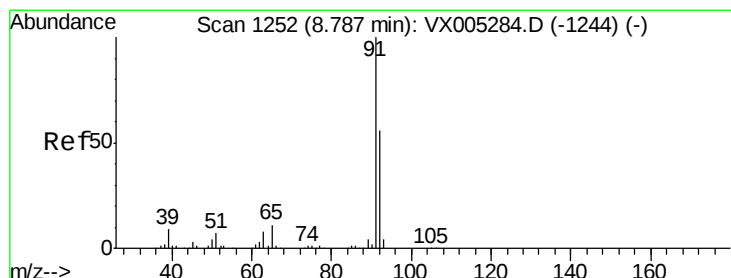
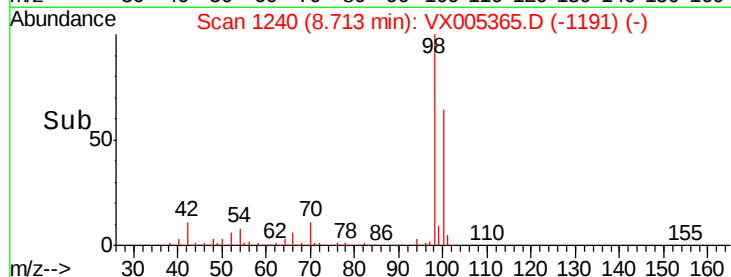
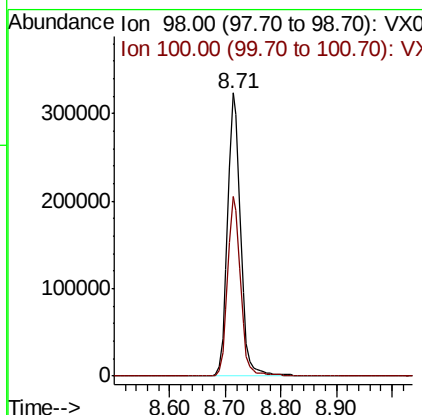
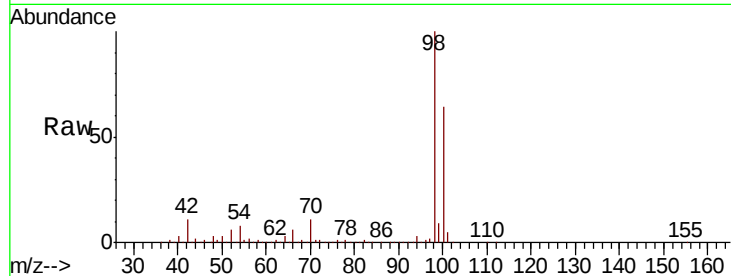




#50
Toluene-d8
Concen: 52.591 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005365.D
Acq: 16 Oct 2018 12:49

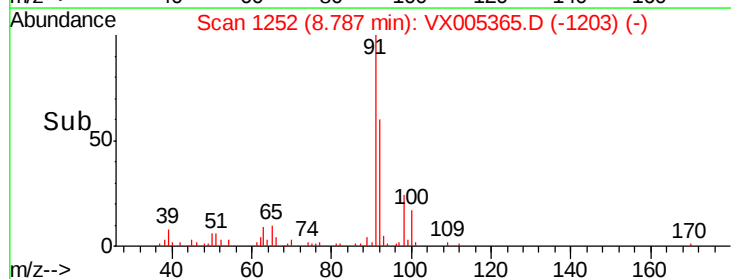
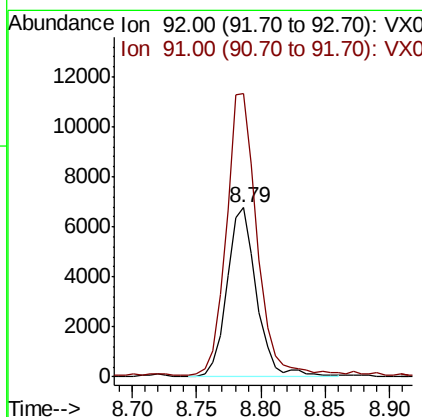
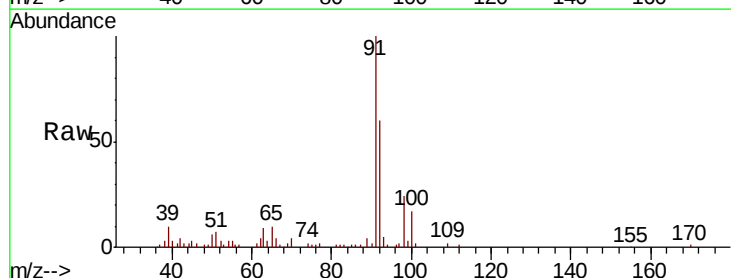
Instrument :
MSVOA_X
ClientSampleId :
TWP-03DL

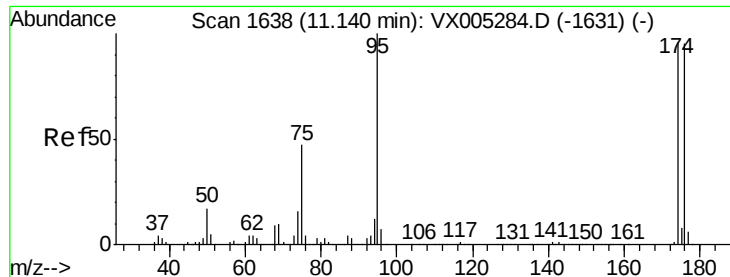
Tot Ion: 98 Resp: 524864
Ion Ratio Lower Upper
98 100
100 63.6 52.9 79.3



#52
Toluene
Concen: 1.566 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX005365.D
Acq: 16 Oct 2018 12:49

Tgt Ion: 92 Resp: 10926
Ion Ratio Lower Upper
92 100
91 169.9 136.4 204.6





#62

4-Bromofluorobenzene

Concen: 48.265 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005365.D

Acq: 16 Oct 2018 12:49

Instrument :

MSVOA_X

ClientSampleId :

TWP-03DL

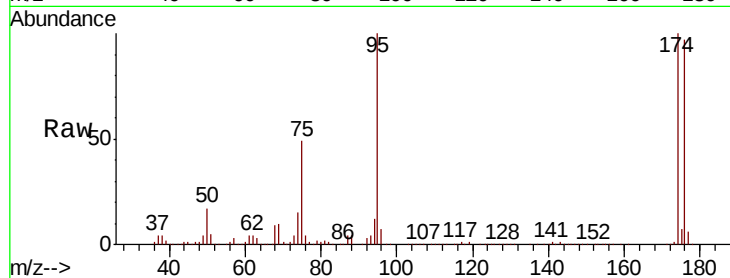
Tot Ion: 95 Resp: 180953

Ion Ratio Lower Upper

95 100

174 94.6 0.0 185.2

176 91.6 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX005284.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX005284.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX005284.D (-1631) (-)

11.14

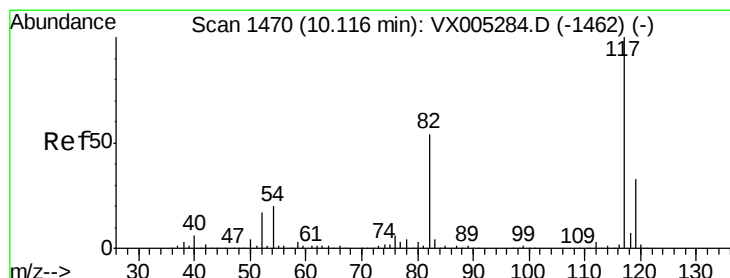
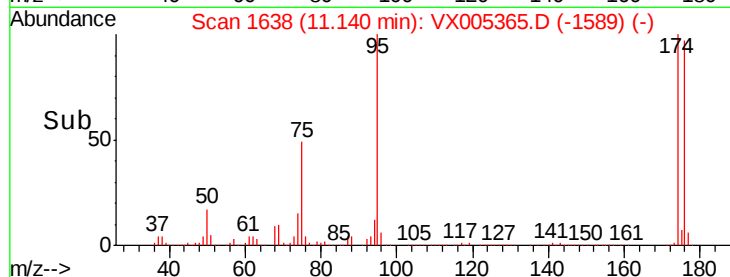
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX005365.D

Acq: 16 Oct 2018 12:49

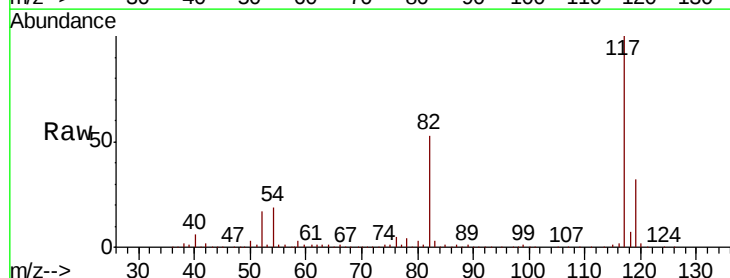
Tgt Ion: 117 Resp: 387092

Ion Ratio Lower Upper

117 100

82 52.9 47.8 71.6

119 32.0 29.3 43.9



Abundance Ion 116.90 (116.60 to 117.60): VX005284.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX005284.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX005284.D (-1462) (-)

10.12

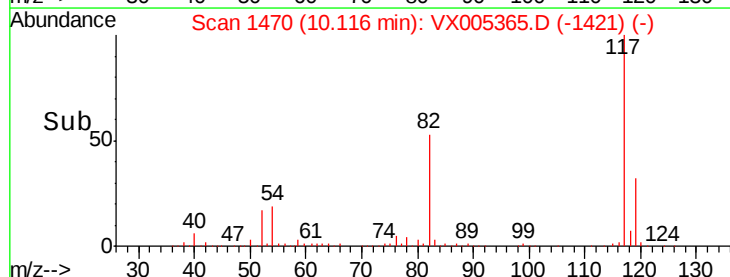
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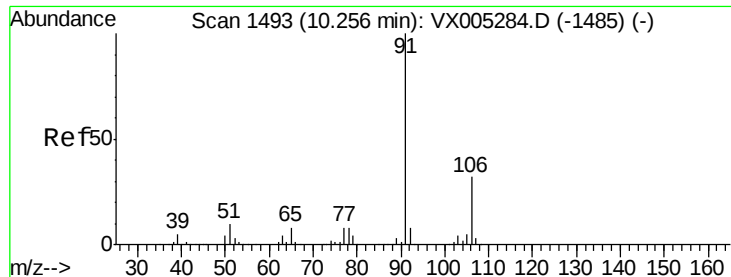
200000

100000

0

Time-->

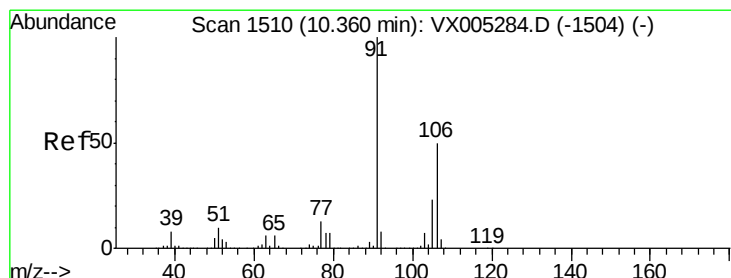
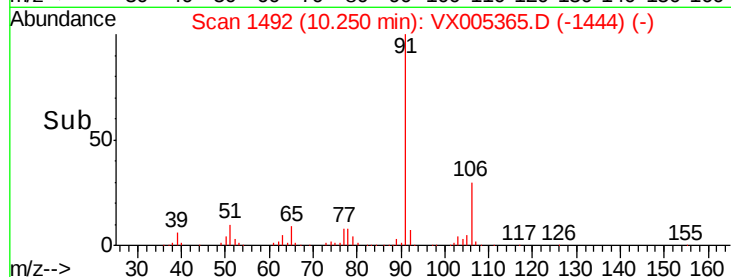
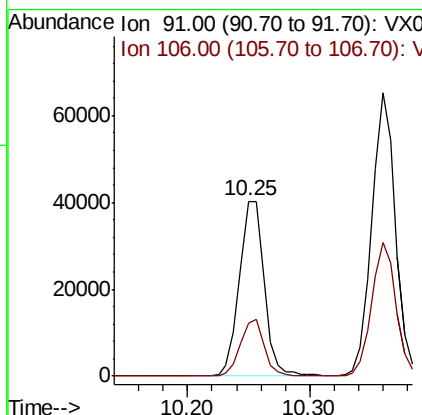
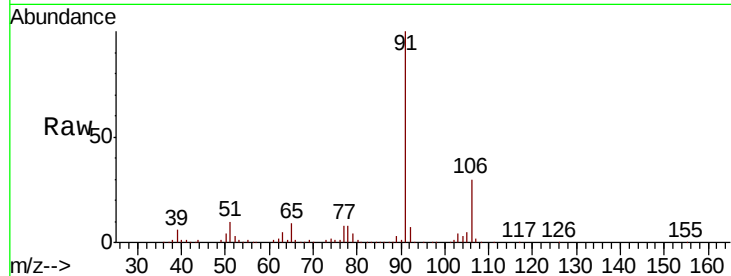




#67
Ethyl Benzene
Concen: 4.183 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX005365.D
Acq: 16 Oct 2018 12:49

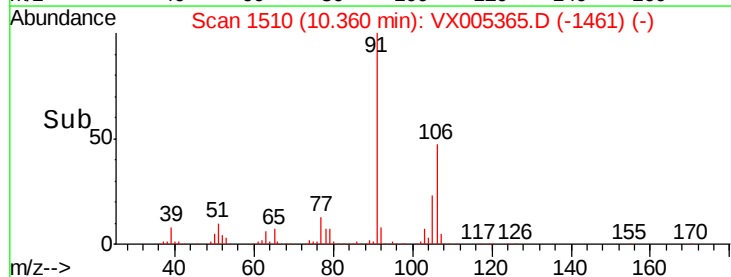
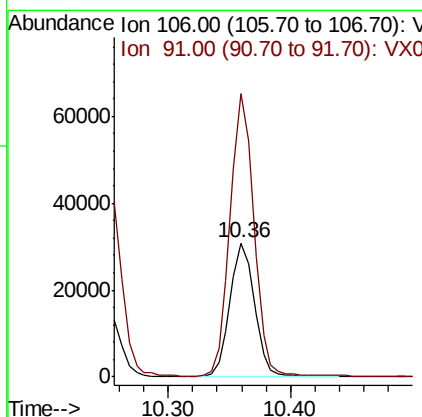
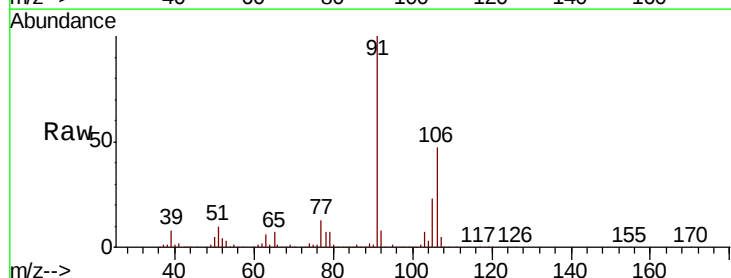
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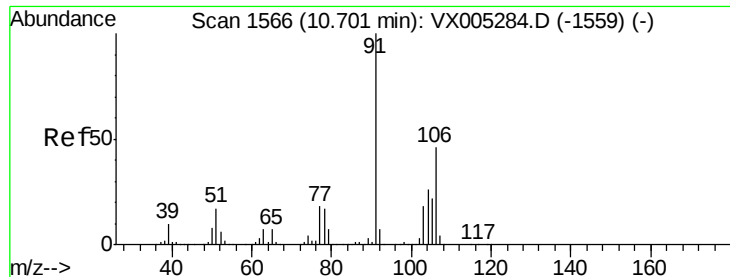
Tot Ion: 91 Resp: 55990
Ion Ratio Lower Upper
91 100
106 30.3 25.9 38.9



#68
m/p-Xylenes
Concen: 8.280 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX005365.D
Acq: 16 Oct 2018 12:49

Tgt Ion: 106 Resp: 43018
Ion Ratio Lower Upper
106 100
91 203.4 157.1 235.7

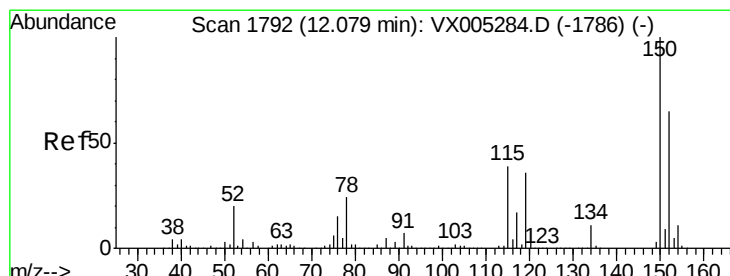
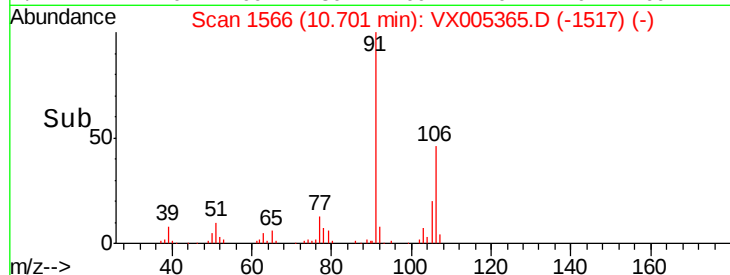
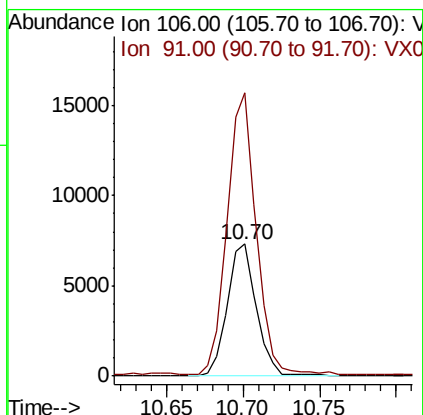
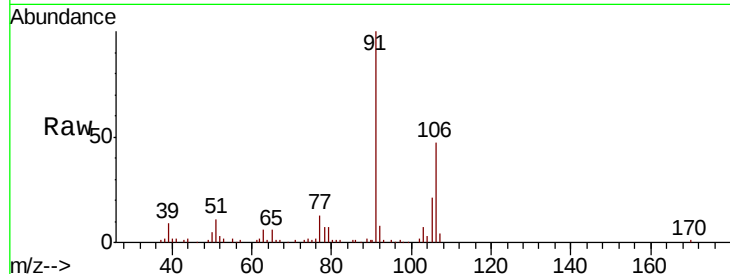




#69
o-Xylene
Concen: 1.925 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005365.D
Acq: 16 Oct 2018 12:49

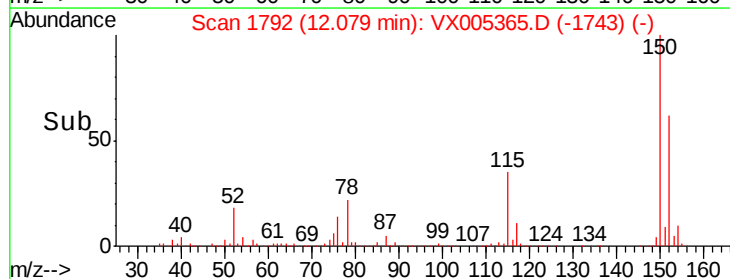
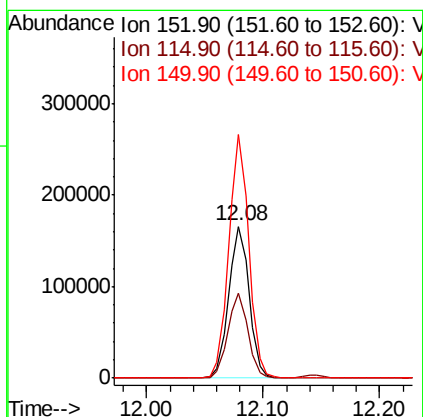
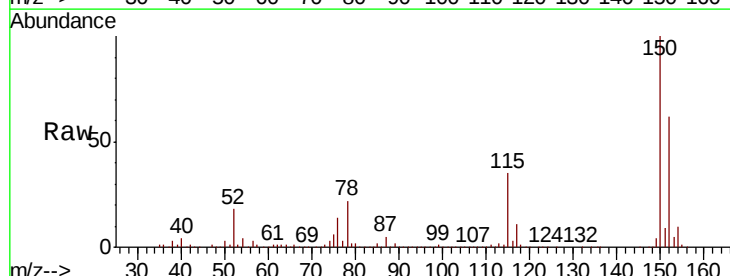
Instrument :
MSVOA_X
ClientSampleId :
TWP-03DL

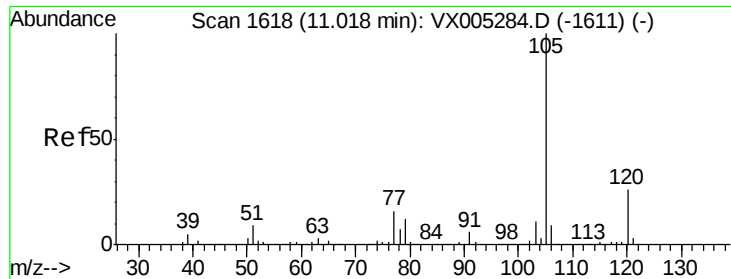
Tot Ion:106 Resp: 9647
Ion Ratio Lower Upper
106 100
91 214.1 105.1 315.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005365.D
Acq: 16 Oct 2018 12:49

Tgt Ion:152 Resp: 202403
Ion Ratio Lower Upper
152 100
115 54.8 39.0 117.0
150 156.7 0.0 351.0





#73

Isopropylbenzene

Concen: 1.624 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005365.D

Acq: 16 Oct 2018 12:49

Instrument :

MSVOA_X

ClientSampleId :

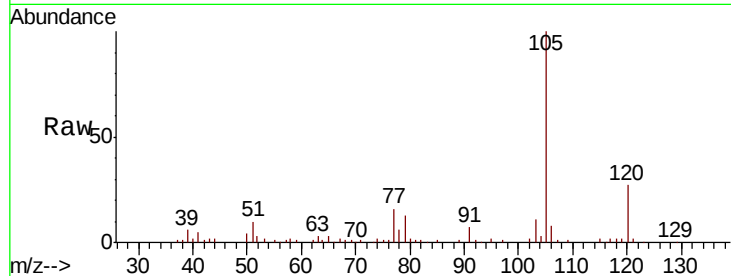
TWP-03DL

Tot Ion:105 Resp: 19540

Ion Ratio Lower Upper

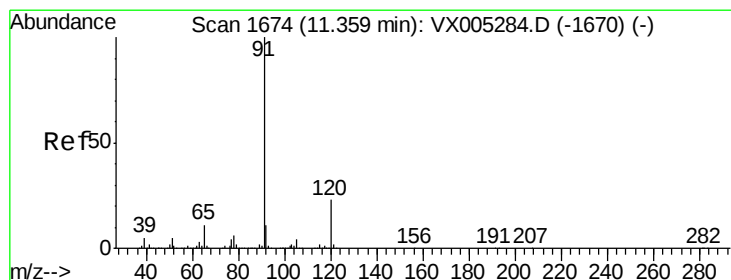
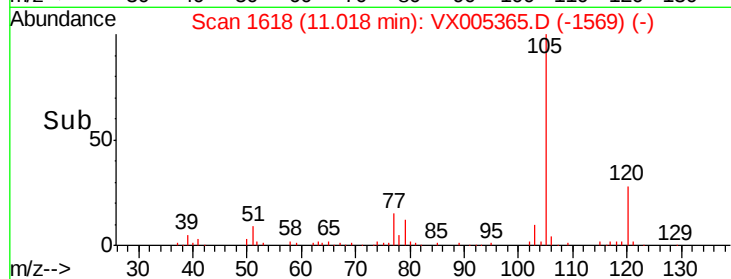
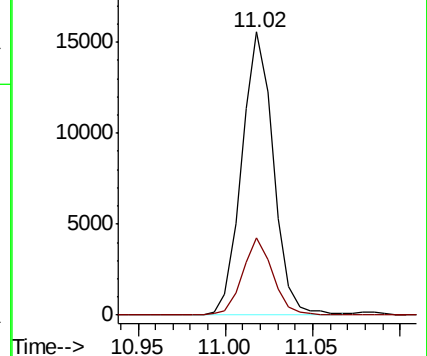
105 100

120 26.1 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: 7.723 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005365.D

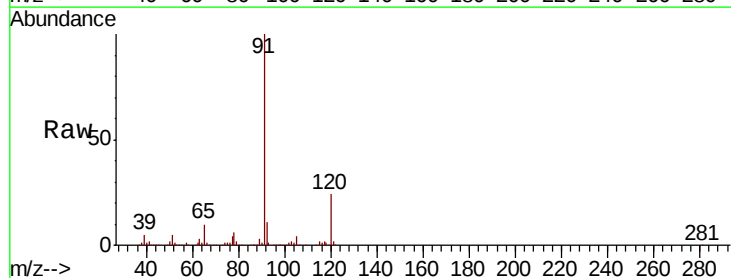
Acq: 16 Oct 2018 12:49

Tgt Ion: 91 Resp: 106933

Ion Ratio Lower Upper

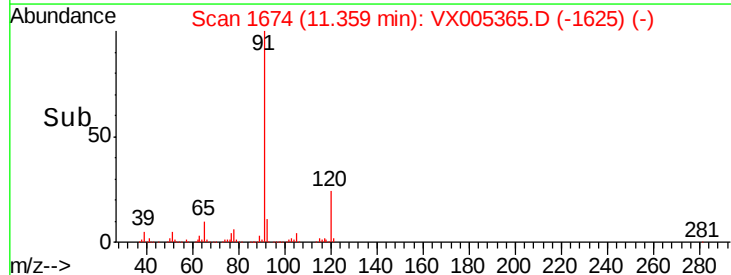
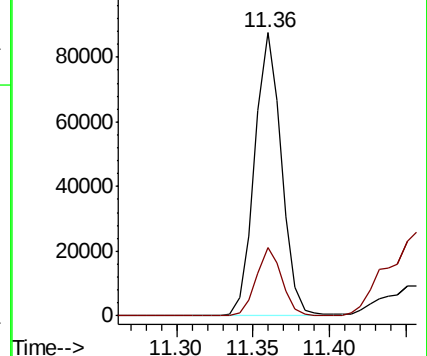
91 100

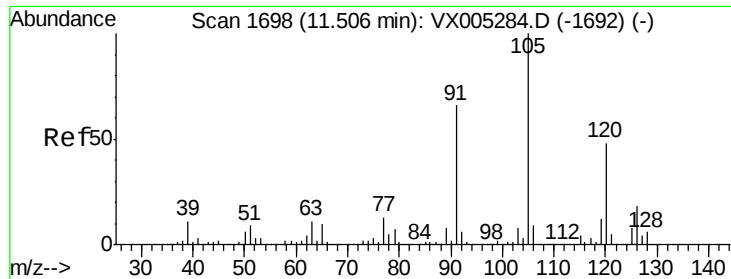
120 23.4 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

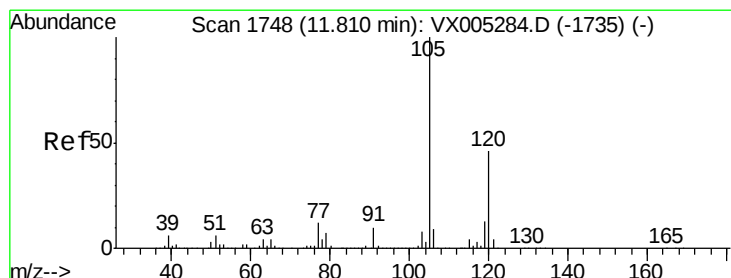
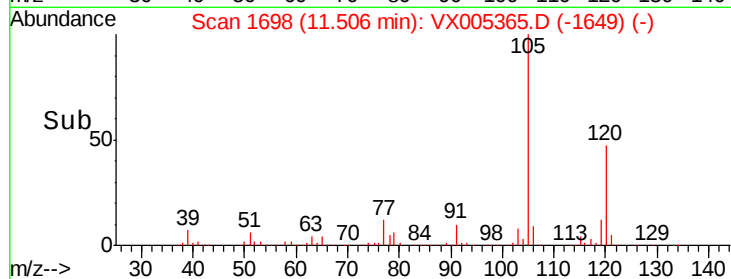
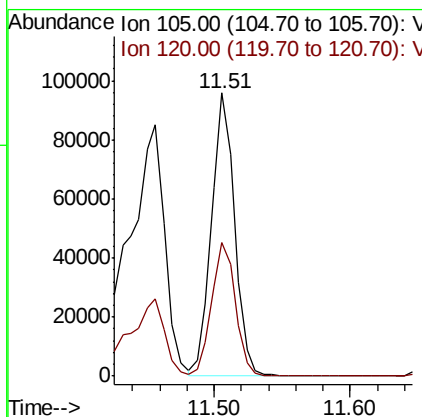
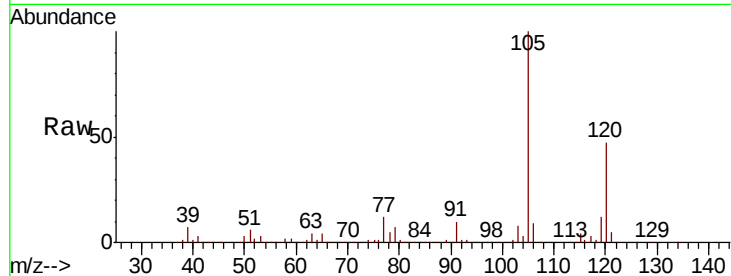




#80
 1,3,5-Trimethylbenzene
 Concen: 10.956 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX005365.D
 Acq: 16 Oct 2018 12:49

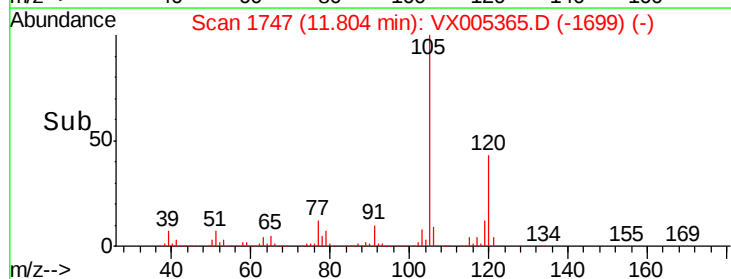
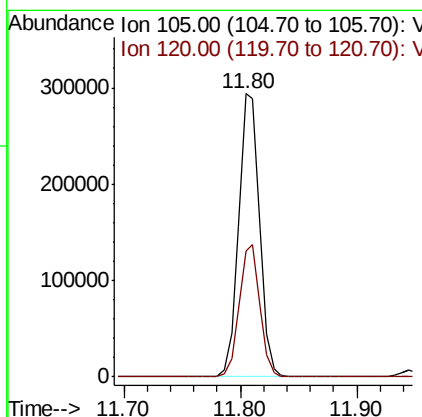
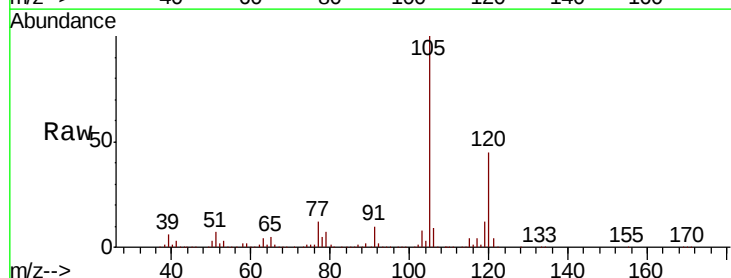
Instrument :
 MSVOA_X
 ClientSampled :
 TWP-03DL

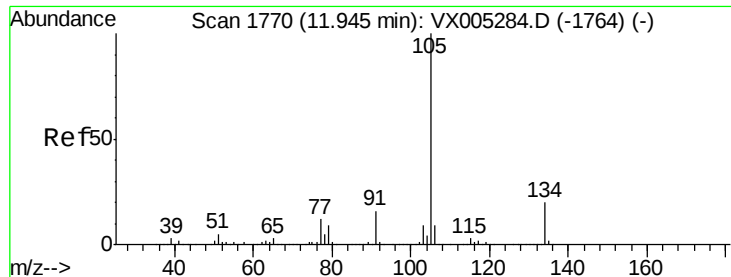
Tot Ion:105 Resp: 112883
 Ion Ratio Lower Upper
 105 100
 120 48.9 25.6 76.8



#84
 1,2,4-Trimethylbenzene
 Concen: 34.648 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.01 min
 Lab File: VX005365.D
 Acq: 16 Oct 2018 12:49

Tgt Ion:105 Resp: 367395
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.2 69.6





#85

sec-Butylbenzene

Concen: 0.736 ug/l m

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX005365.D

Acq: 16 Oct 2018 12:49

Instrument :

MSVOA_X

ClientSampleId :

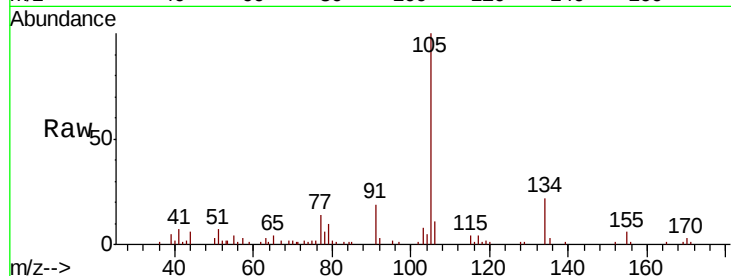
TWP-03DL

Tot Ion:105 Resp: 9084

Ion Ratio Lower Upper

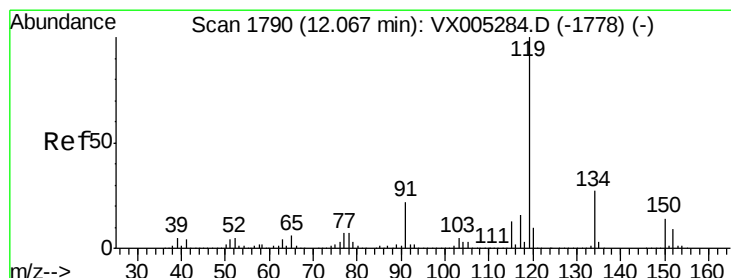
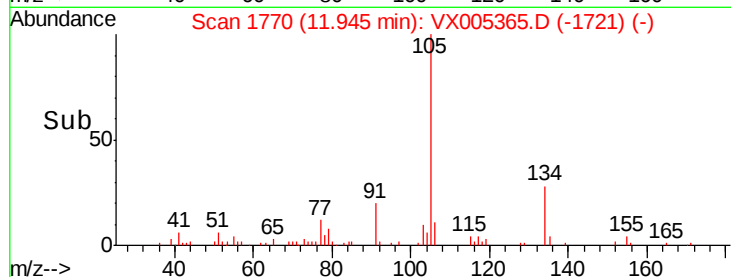
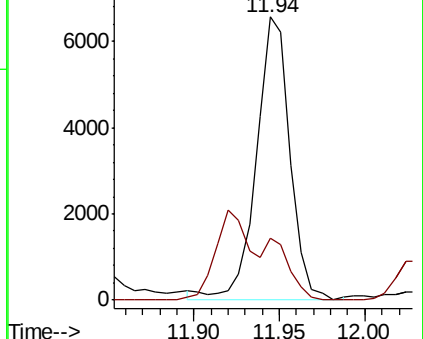
105 100

134 0.0 10.5 31.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.275 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX005365.D

Acq: 16 Oct 2018 12:49

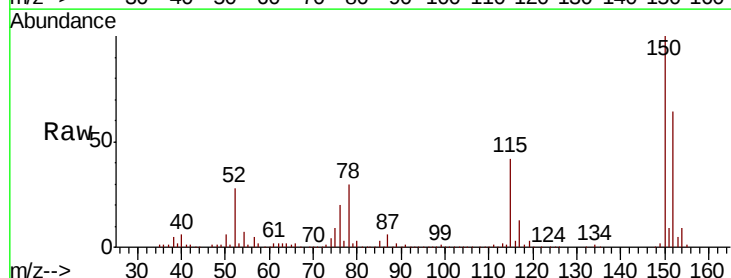
Tgt Ion:119 Resp: 3064

Ion Ratio Lower Upper

119 100

134 32.7 13.4 40.2

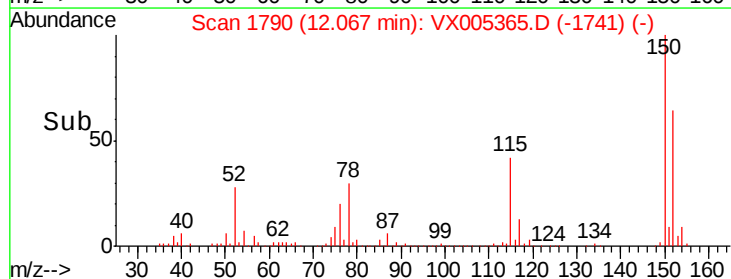
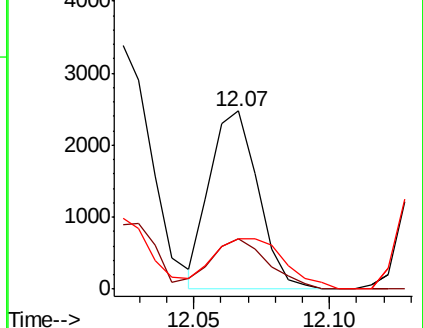
91 41.7 10.9 32.7#

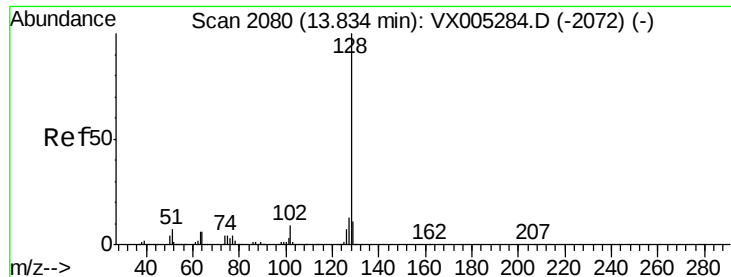


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

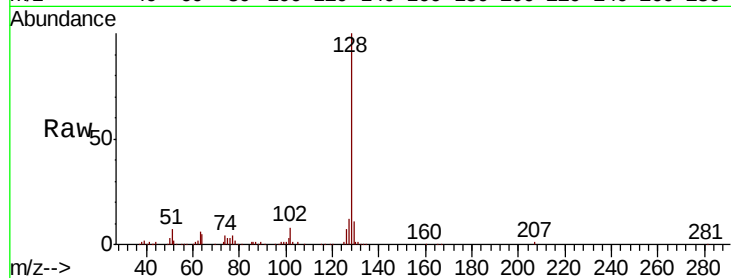




#95
Naphthalene
Concen: 2.290 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005365.D
Acq: 16 Oct 2018 12:49

Instrument :
MSVOA_X
ClientSampleId :
TWP-03DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.2	15.2
129	12.9	8.6	12.8#



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

