

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VO030419\
 Data File : VX007821.D
 Acq On : 04 Mar 2019 19:55
 Operator : JC/SP
 Sample : K1718-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-13

Quant Time: Mar 08 05:34:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	338684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	521015	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	478894	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	251008	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	183554	43.75	ug/l	0.00
Spiked Amount			Recovery	=	87.50%	
35) Dibromofluoromethane	5.51	113	170437	48.94	ug/l	0.00
Spiked Amount			Recovery	=	97.88%	
50) Toluene-d8	8.71	98	620708	46.55	ug/l	0.00
Spiked Amount			Recovery	=	93.10%	
62) 4-Bromofluorobenzene	11.13	95	231916	47.39	ug/l	0.00
Spiked Amount			Recovery	=	94.78%	

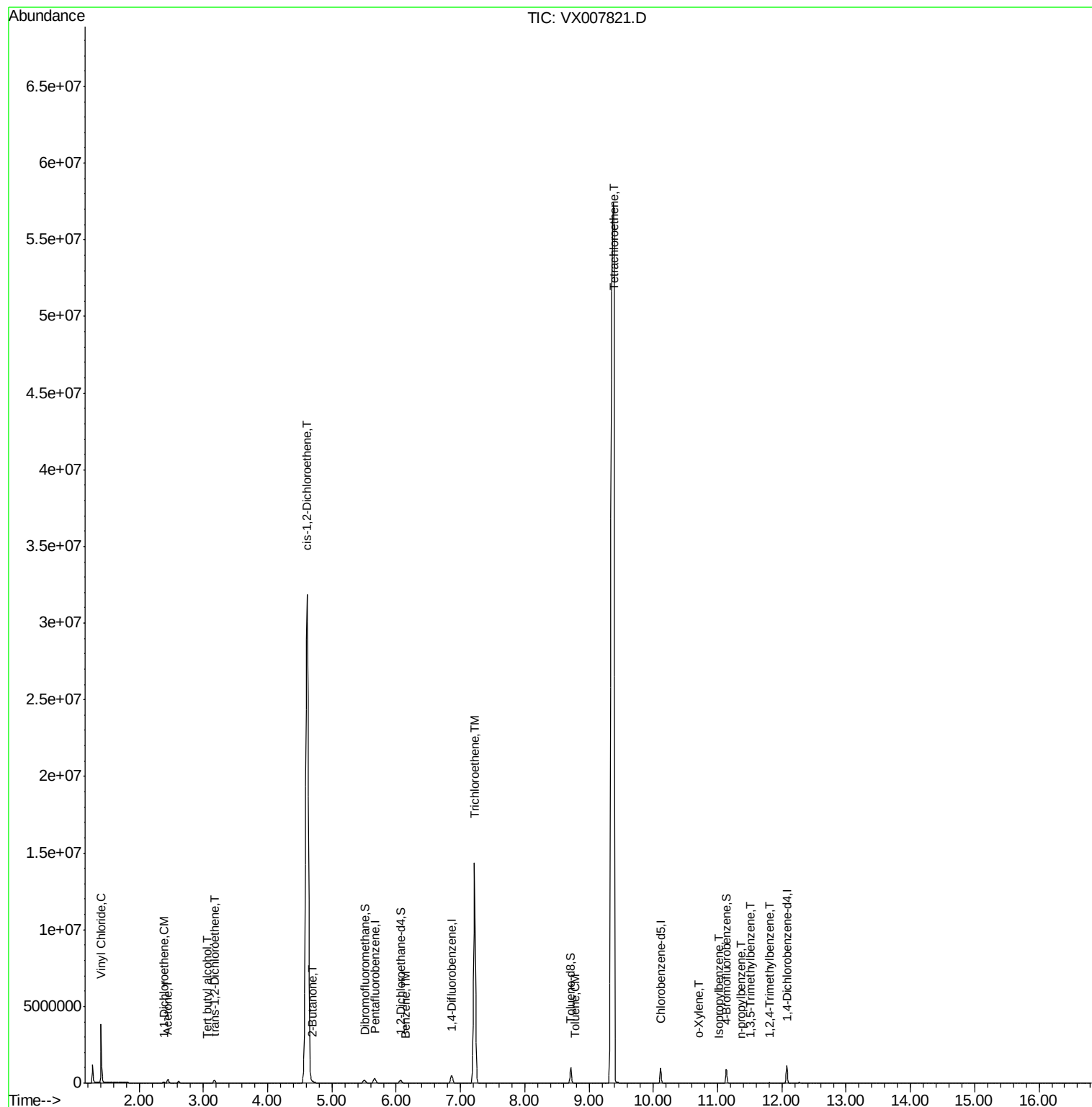
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	2365118	666.781	ug/l	98
11) Tert butyl alcohol	3.06	59	7049	8.856	ug/l	99
12) 1,1-Dichloroethene	2.39	96	18843	6.360	ug/l	90
16) Acetone	2.45	43	248477	133.188	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	76000	23.598	ug/l	94
25) 2-Butanone	4.71	43	52882	18.608	ug/l	96
27) cis-1,2-Dichloroethene	4.62	96	22991420	5610.339	ug/l	91
40) Benzene	6.15	78	5798	0.401	ug/l	94
44) Trichloroethene	7.22	130	5854943	1471.952	ug/l	94
52) Toluene	8.79	92	7172	0.787	ug/l	98
64) Tetrachloroethene	9.38	164	27028245	6952.179	ug/l	89
69) o-Xylene	10.70	106	4055	0.632	ug/l	100
73) Isopropylbenzene	11.02	105	6699	0.373	ug/l	99
78) n-propylbenzene	11.36	91	7323	0.361	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	7369	0.499	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	20485	1.357	ug/l	97

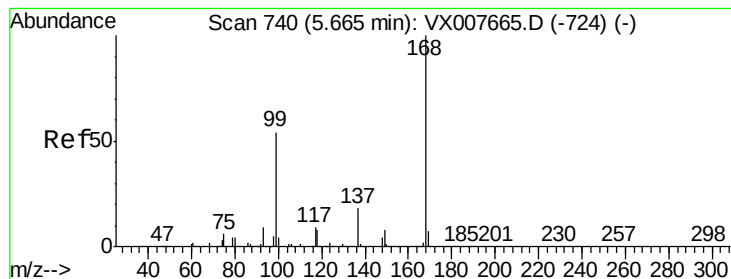
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX007821.D

Acq: 04 Mar 2019 19:55

Instrument :

MSVOA_X

ClientSampleId :

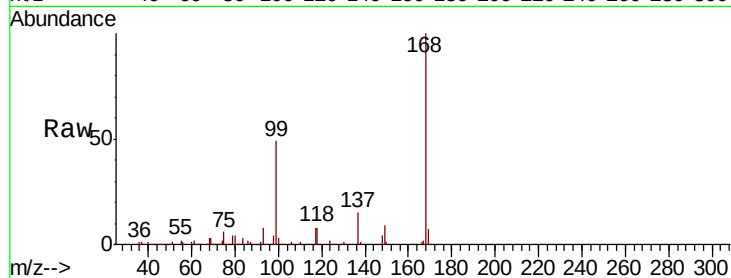
MW-13

Tot Ion:168 Resp: 338684

Ion Ratio Lower Upper

168 100

99 49.1 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

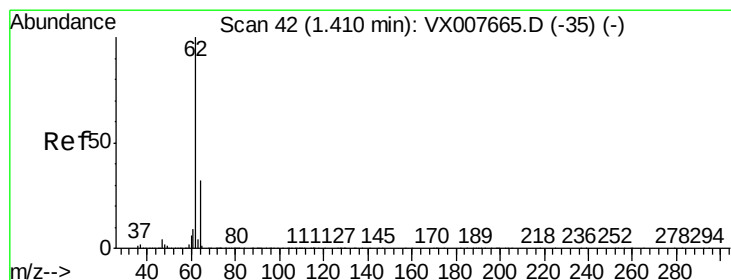
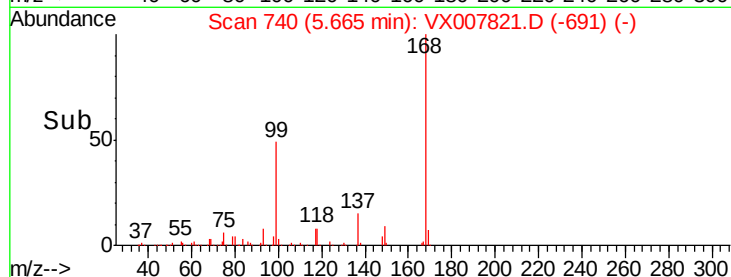
5.67

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 666.781 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007821.D

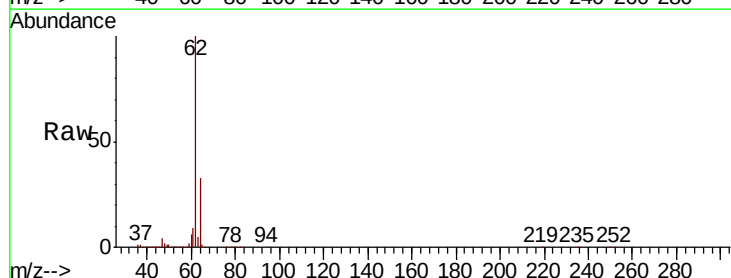
Acq: 04 Mar 2019 19:55

Tgt Ion: 62 Resp: 2365118

Ion Ratio Lower Upper

62 100

64 32.7 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

2500000

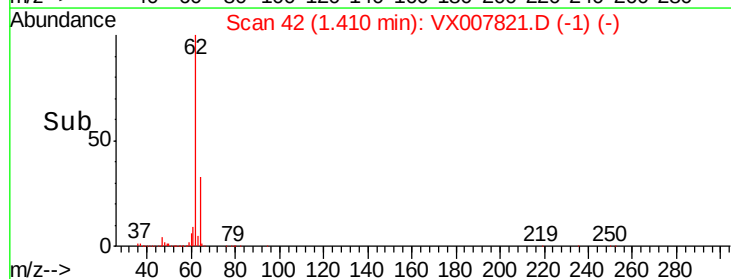
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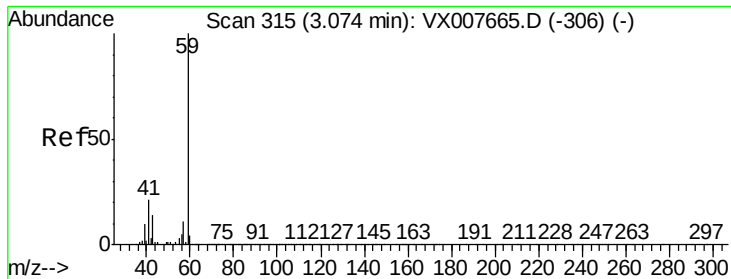
1500000

1000000

500000

Time-->



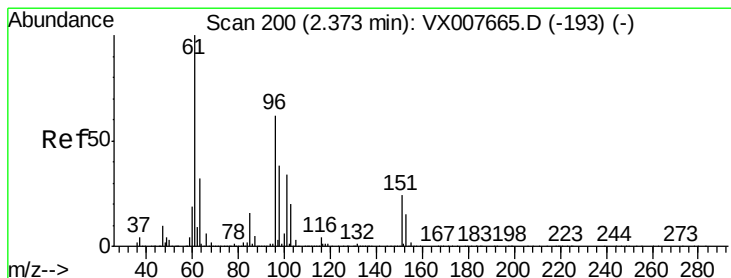
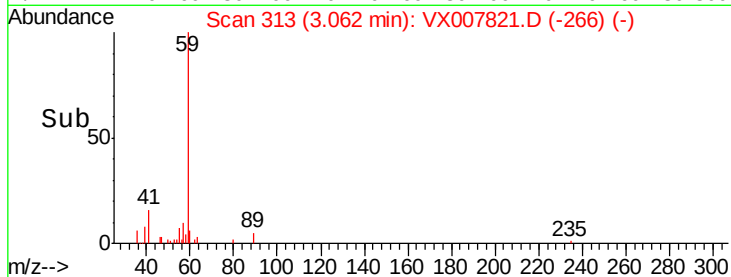
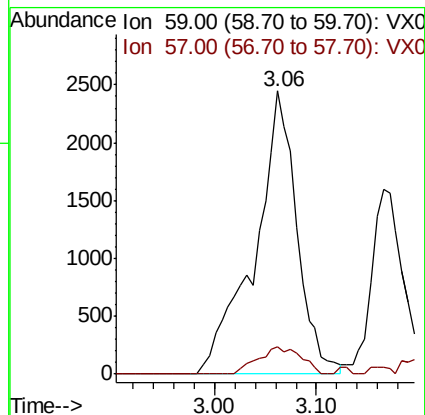
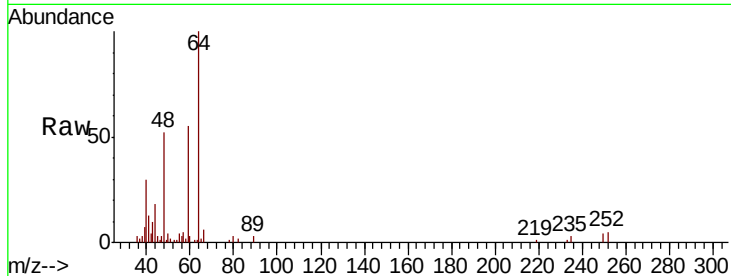


#11

Tert butyl alcohol
Concen: 8.856 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.01 min
Lab File: VX007821.D
Acq: 04 Mar 2019 19:55

Instrument :
MSVOA_X
ClientSampled :
MW-13

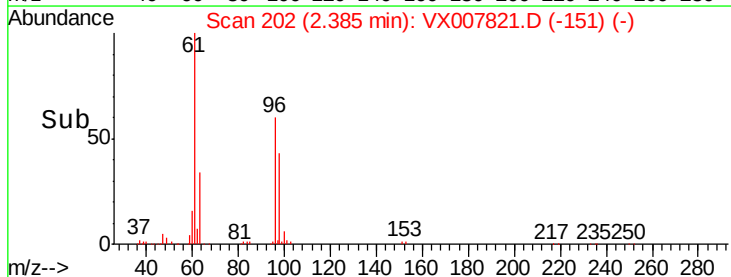
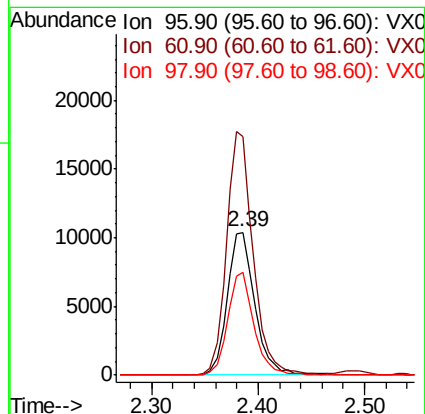
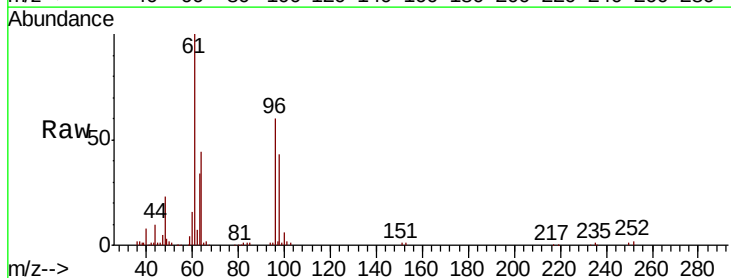
Tot Ion: 59 Resp: 7049
Ion Ratio Lower Upper
59 100
57 9.9 8.1 12.1

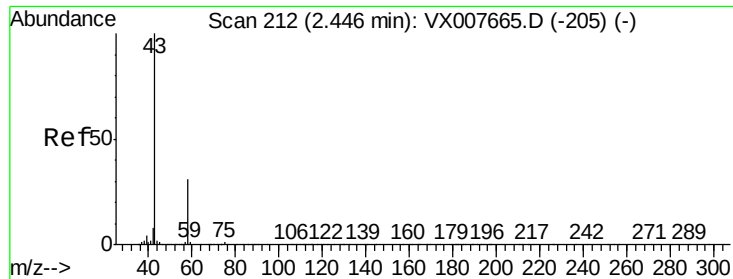


#12

1,1-Dichloroethene
Concen: 6.360 ug/l
RT: 2.39 min Scan# 202
Delta R.T. 0.01 min
Lab File: VX007821.D
Acq: 04 Mar 2019 19:55

Tgt Ion: 96 Resp: 18843
Ion Ratio Lower Upper
96 100
61 167.1 123.0 184.4
98 71.6 50.9 76.3

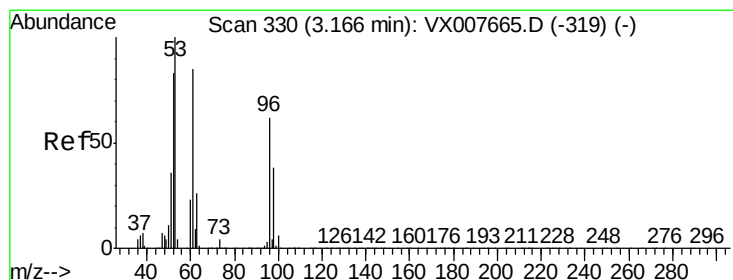
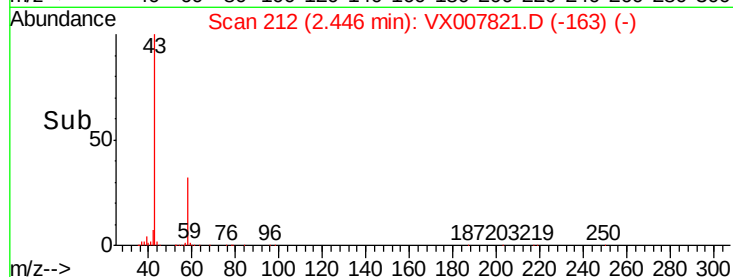
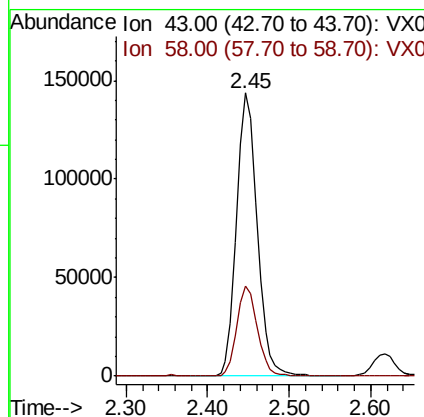
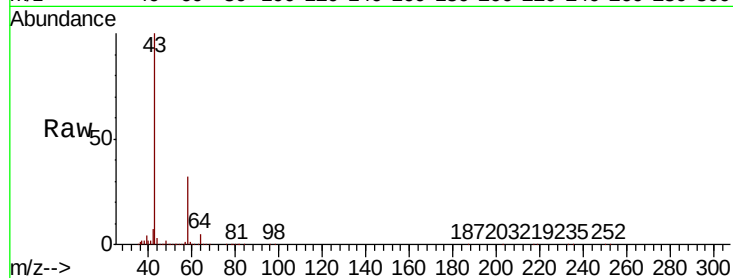




#16
Acetone
Concen: 133.188 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX007821.D
Acq: 04 Mar 2019 19:55

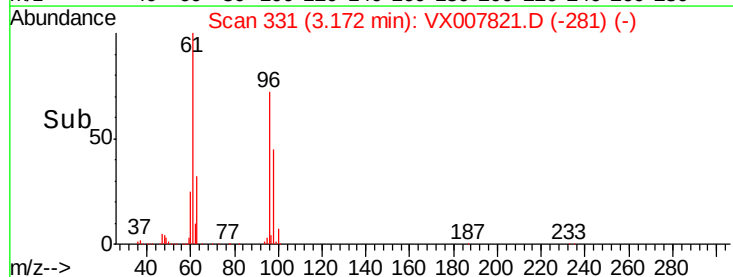
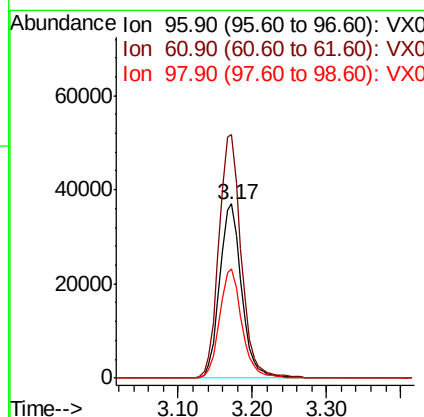
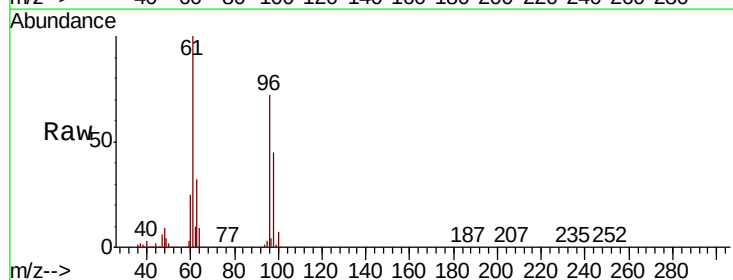
Instrument :
MSVOA_X
ClientSampleId :
MW-13

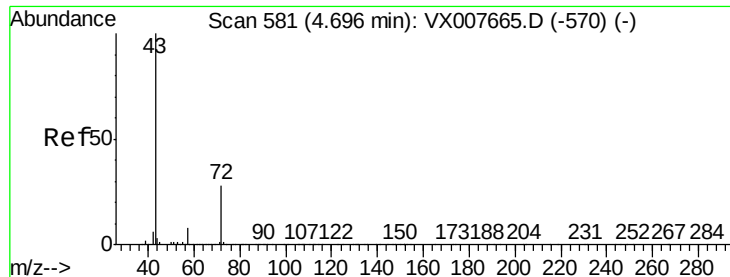
Tot Ion: 43 Resp: 248477
Ion Ratio Lower Upper
43 100
58 32.0 24.9 37.3



#21
trans-1,2-Dichloroethene
Concen: 23.598 ug/l
RT: 3.17 min Scan# 331
Delta R.T. 0.01 min
Lab File: VX007821.D
Acq: 04 Mar 2019 19:55

Tgt Ion: 96 Resp: 76000
Ion Ratio Lower Upper
96 100
61 139.7 104.6 156.8
98 62.6 51.0 76.4





#25

2-Butanone

Concen: 18.608 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX007821.D

Acq: 04 Mar 2019 19:55

Instrument :

MSVOA_X

ClientSampleId :

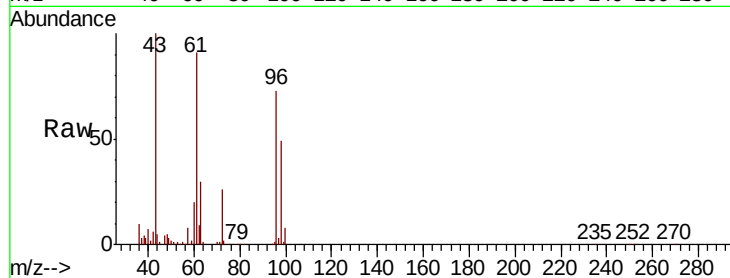
MW-13

Tot Ion: 43 Resp: 52882

Ion Ratio Lower Upper

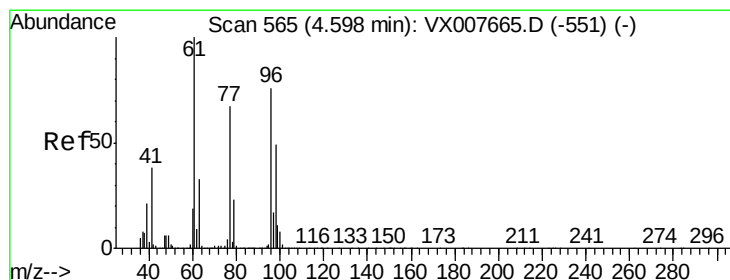
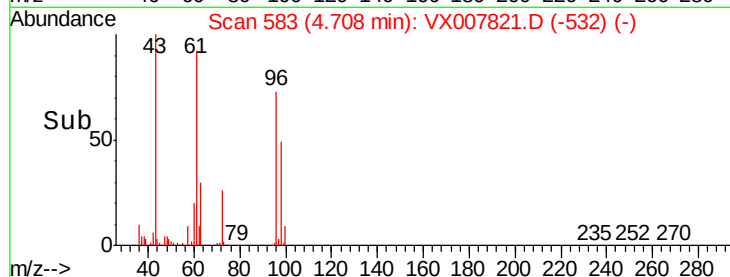
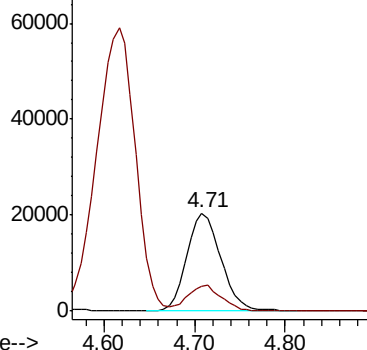
43 100

72 25.8 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 5610.339 ug/l

RT: 4.62 min Scan# 568

Delta R.T. 0.02 min

Lab File: VX007821.D

Acq: 04 Mar 2019 19:55

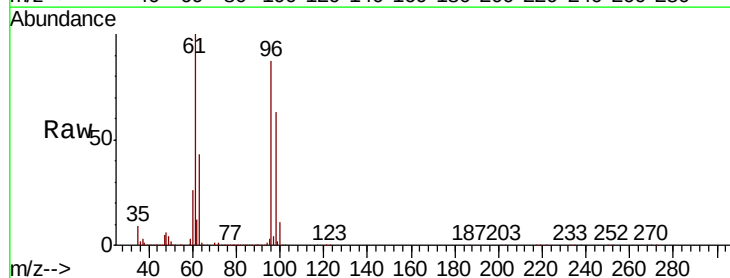
Tgt Ion: 96 Resp: 22991420

Ion Ratio Lower Upper

96 100

61 119.1 0.0 265.6

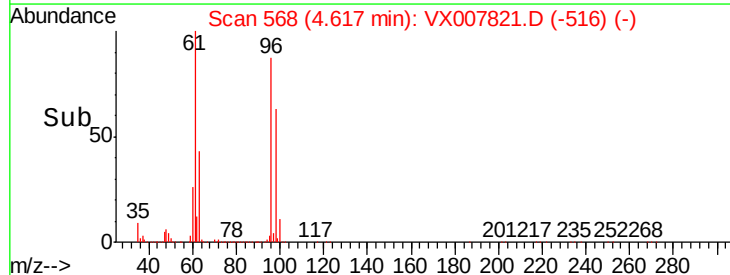
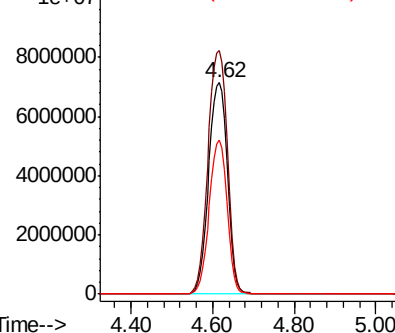
98 69.4 0.0 131.6

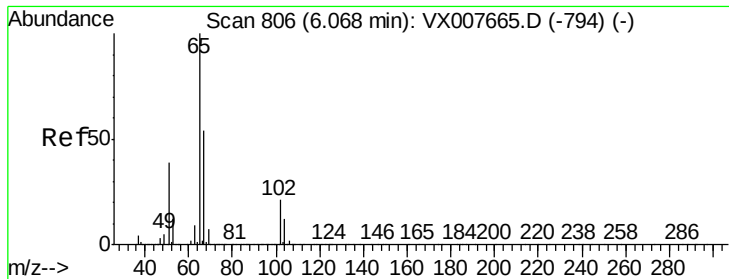


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

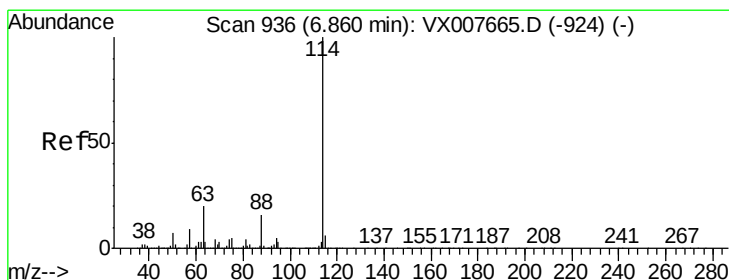
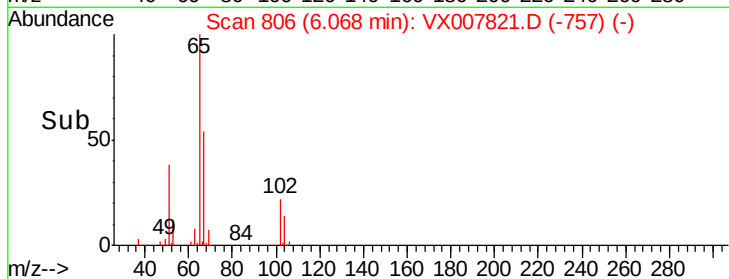
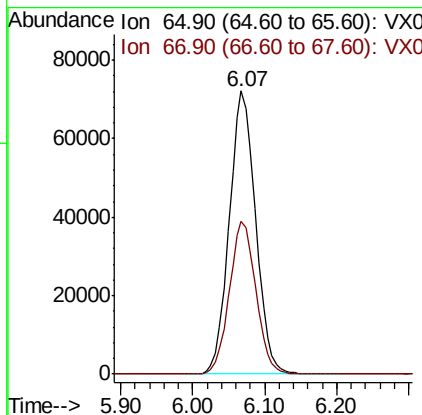
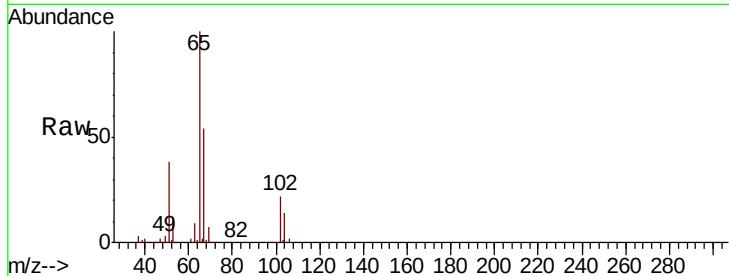




#33
 1,2-Dichloroethane-d4
 Concen: 43.753 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007821.D
 Acq: 04 Mar 2019 19:55

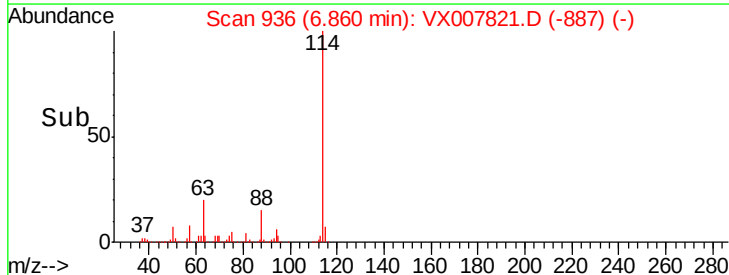
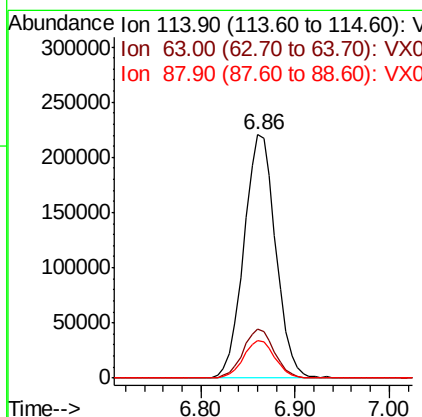
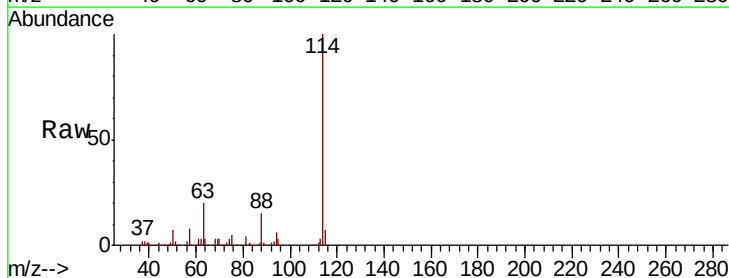
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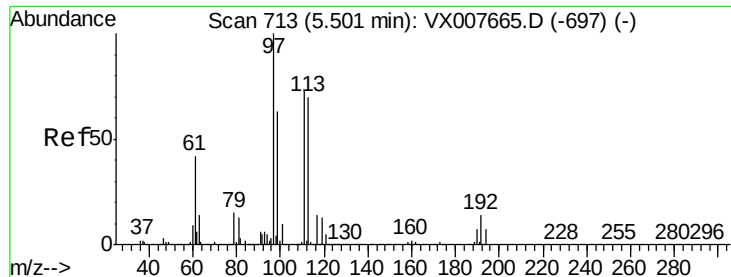
Tot Ion: 65 Resp: 183554
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007821.D
 Acq: 04 Mar 2019 19:55

Tgt Ion: 114 Resp: 521015
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 35.6
 88 15.4 0.0 29.6

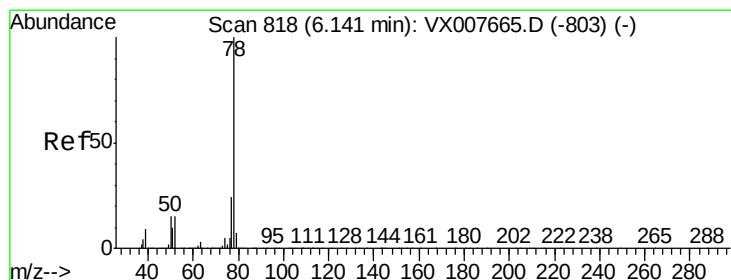
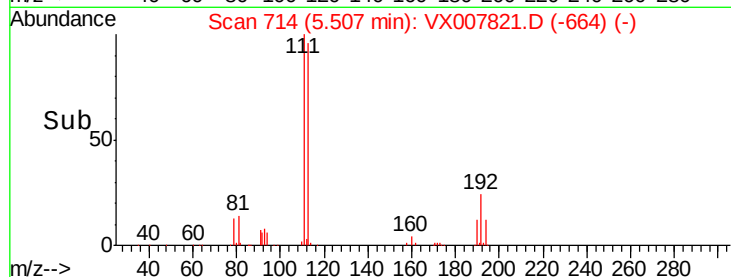
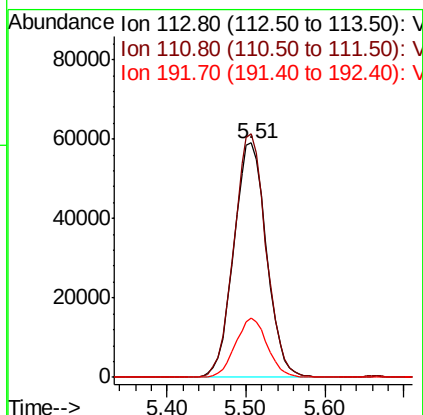
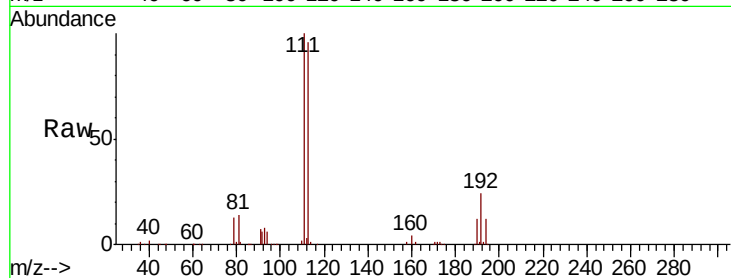




#35
 Dibromofluoromethane
 Concen: 48.936 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX007821.D
 Acq: 04 Mar 2019 19:55

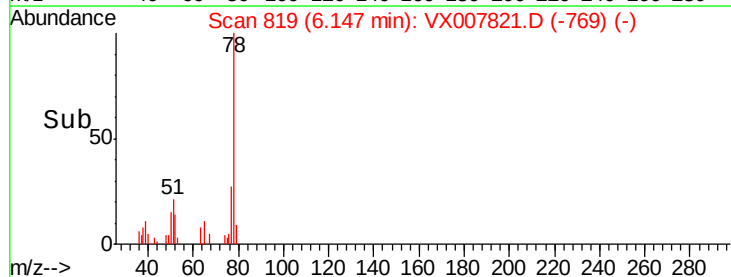
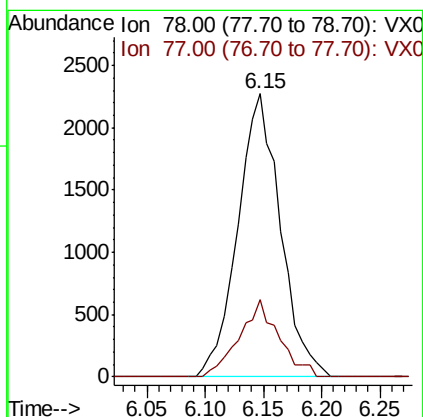
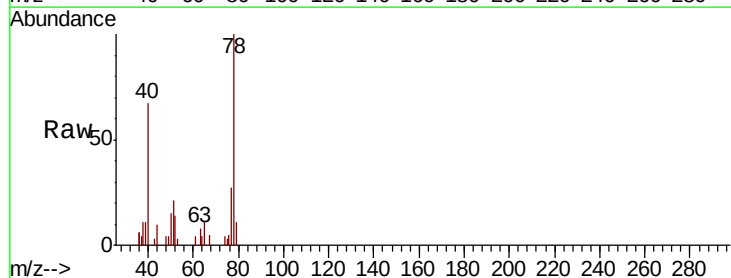
Instrument :
 MSVOA_X
 ClientSampled :
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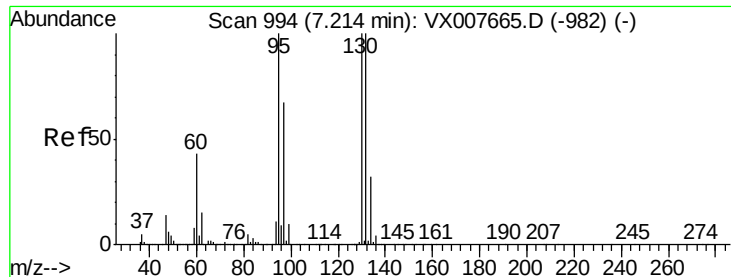
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.8	122.8
192	24.6	18.5	27.7



#40
 Benzene
 Concen: 0.401 ug/l
 RT: 6.15 min Scan# 819
 Delta R.T. 0.01 min
 Lab File: VX007821.D
 Acq: 04 Mar 2019 19:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	27.2	19.3	28.9





#44

Trichloroethene

Concen: 1471.952 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX007821.D

Acq: 04 Mar 2019 19:55

Instrument :

MSVOA_X

ClientSampled :

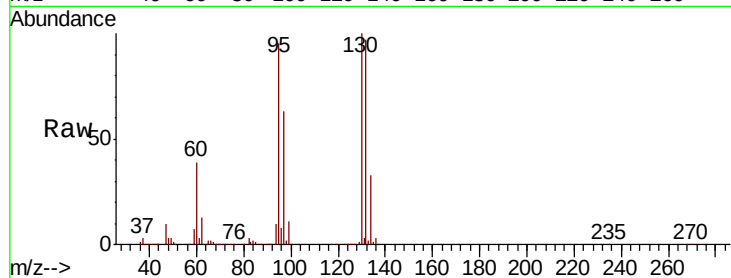
MW-13

Tot Ion:130 Resp: 5854943

Ion Ratio Lower Upper

130 100

95 95.5 0.0 180.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.22

3000000

2500000

2000000

1500000

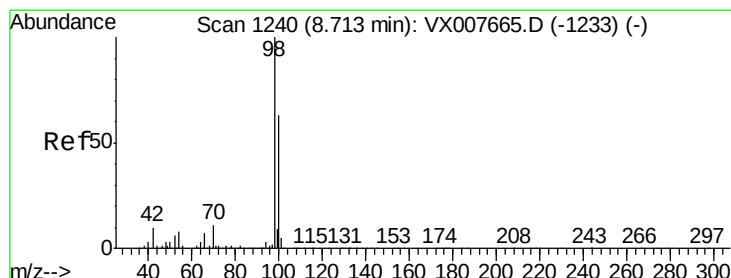
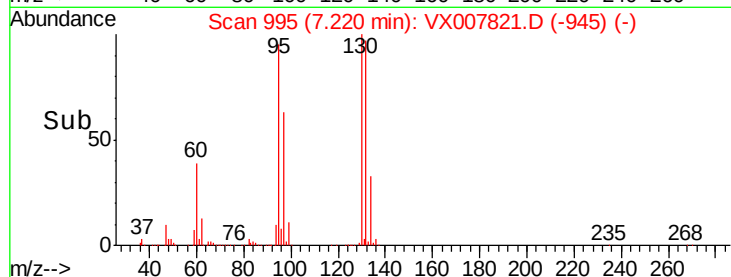
1000000

500000

0

7.10 7.20 7.30 7.40

Time-->



#50

Toluene-d8

Concen: 46.552 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007821.D

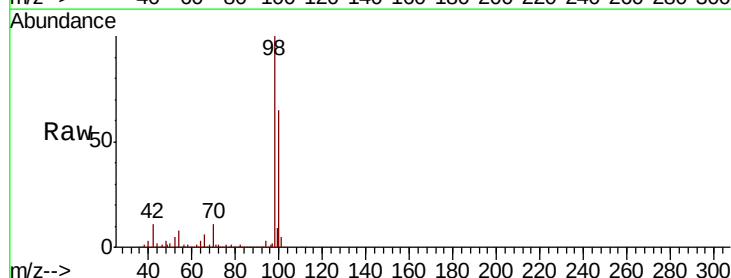
Acq: 04 Mar 2019 19:55

Tgt Ion: 98 Resp: 620708

Ion Ratio Lower Upper

98 100

100 64.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

400000

300000

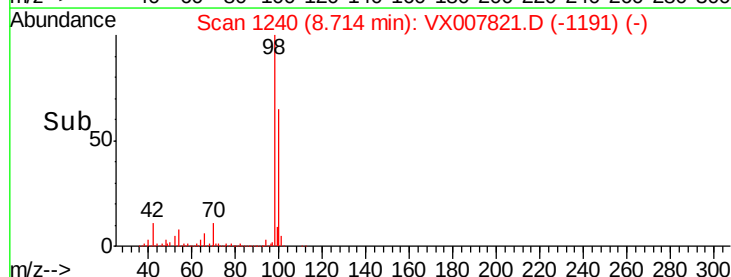
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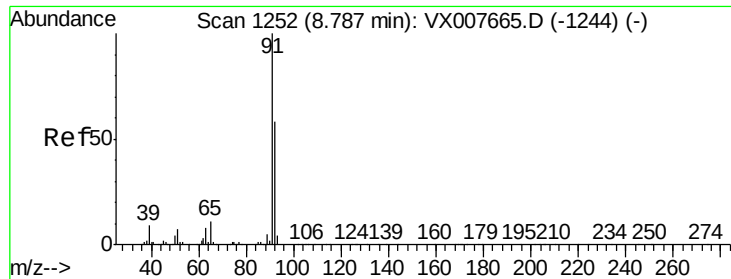
100000

0

8.60 8.70 8.80 8.90

Time-->





#52

Toluene

Concen: 0.787 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX007821.D

Acq: 04 Mar 2019 19:55

Instrument :

MSVOA_X

ClientSampleId :

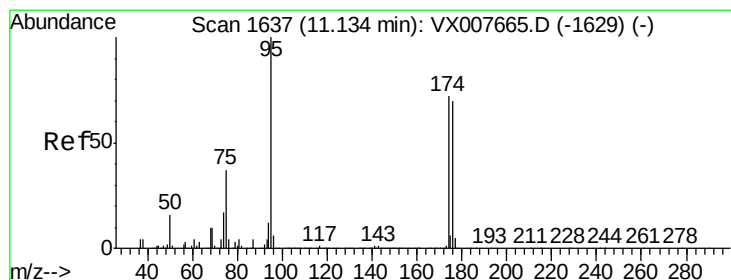
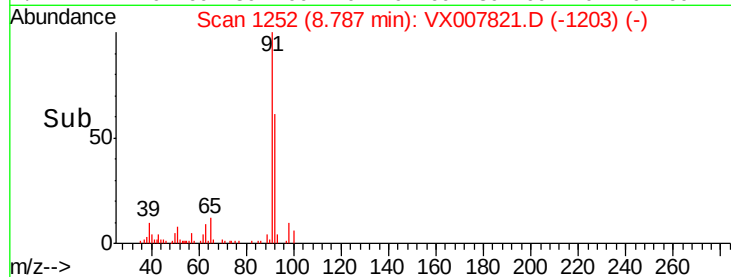
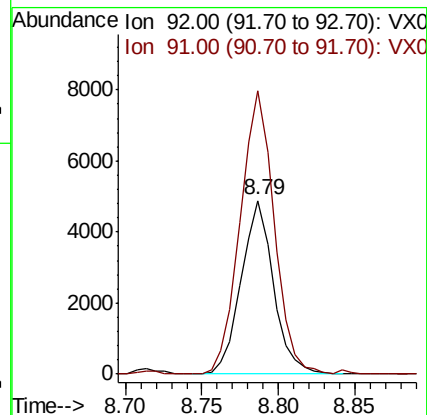
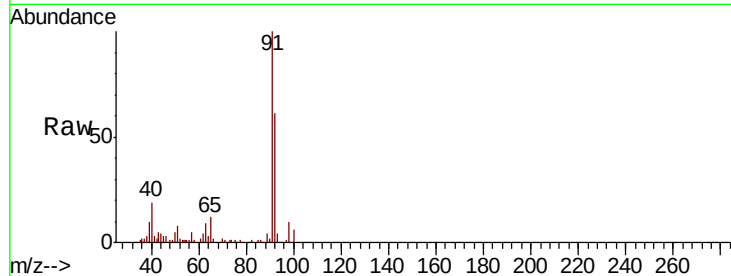
MW-13

Tot Ion: 92 Resp: 7172

Ion Ratio Lower Upper

92 100

91 171.2 139.1 208.7



#62

4-Bromofluorobenzene

Concen: 47.389 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007821.D

Acq: 04 Mar 2019 19:55

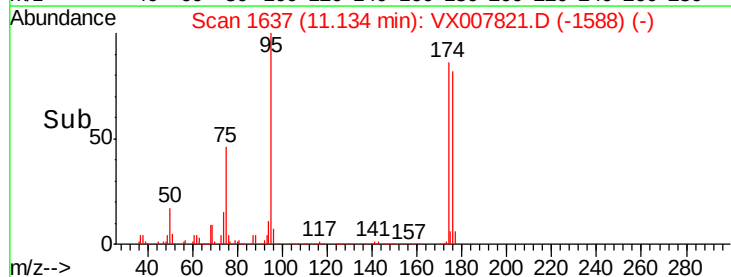
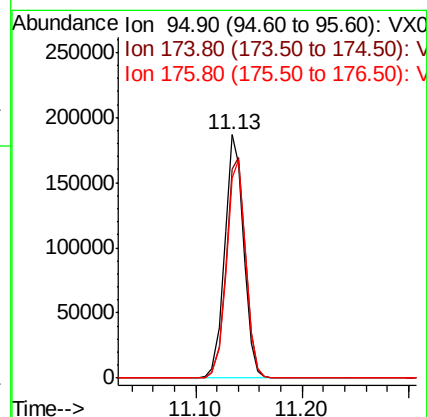
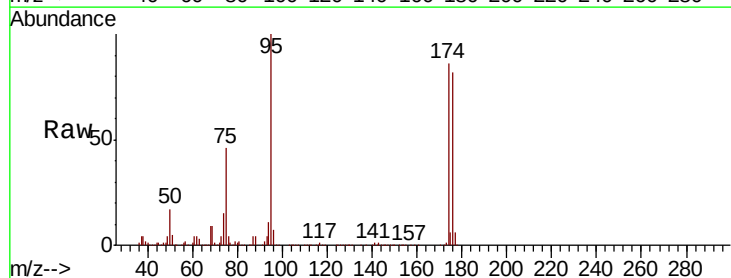
Tgt Ion: 95 Resp: 231916

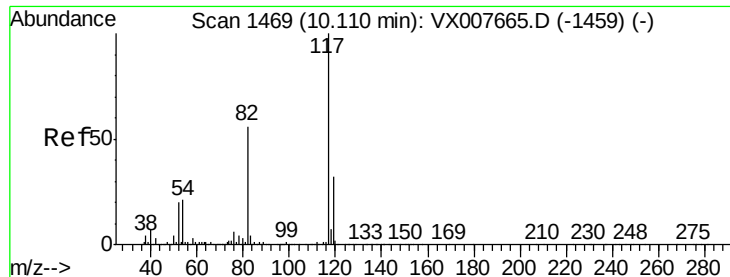
Ion Ratio Lower Upper

95 100

174 92.9 0.0 189.2

176 90.7 0.0 186.2

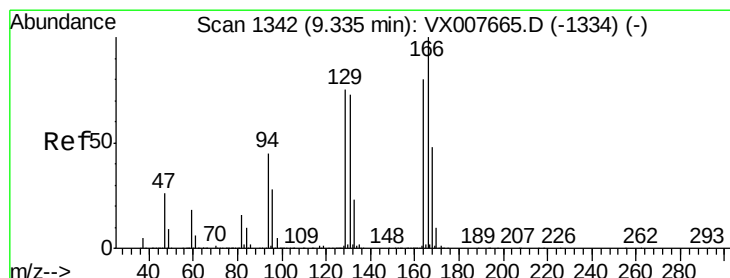
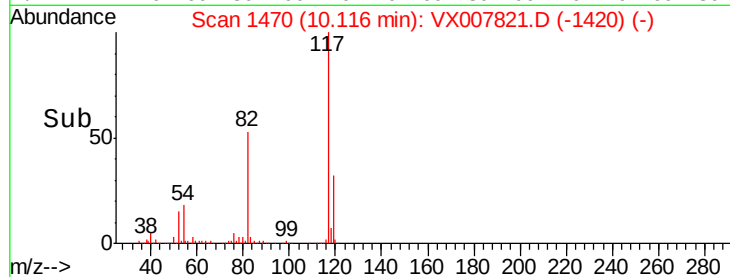
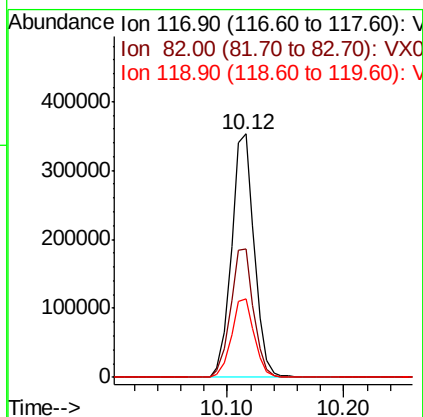
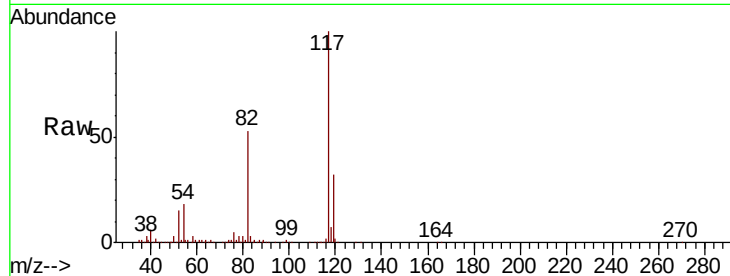




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007821.D
Acq: 04 Mar 2019 19:55

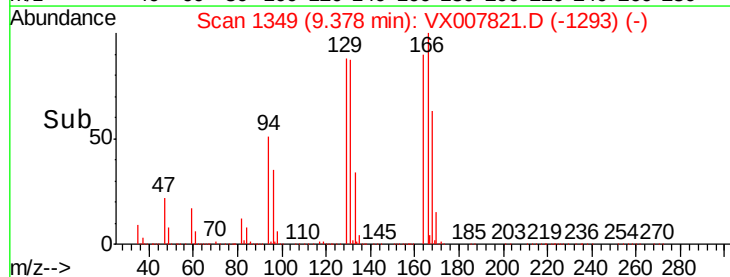
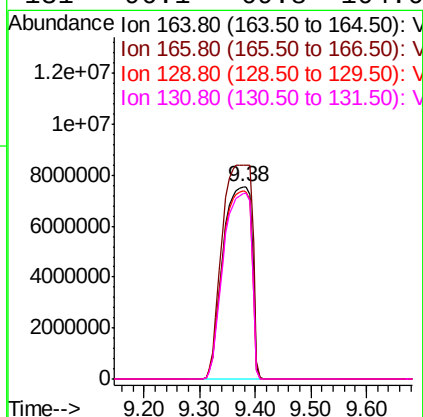
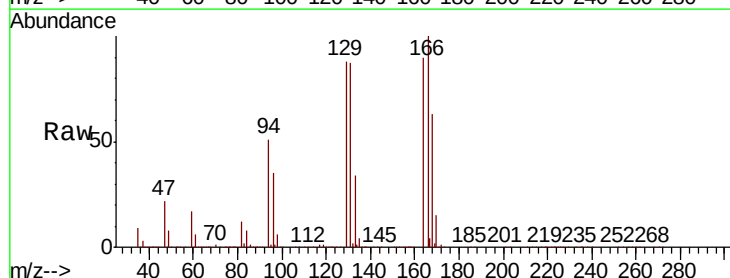
Instrument :
MSVOA_X
ClientSampleId :
MW-13

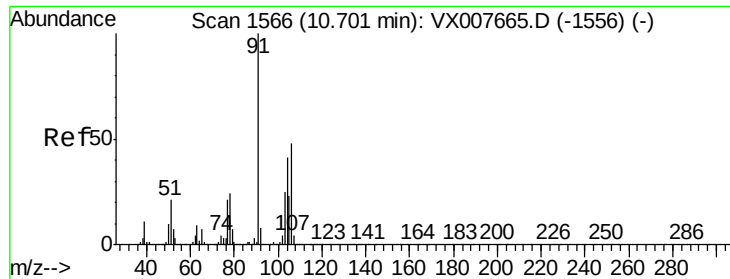
Tot Ion:117 Resp: 478894
Ion Ratio Lower Upper
117 100
82 52.6 42.1 63.1
119 32.3 26.5 39.7



#64
Tetrachloroethene
Concen: 6952.179 ug/l
RT: 9.38 min Scan# 1349
Delta R.T. 0.04 min
Lab File: VX007821.D
Acq: 04 Mar 2019 19:55

Tgt Ion:164 Resp:27028245
Ion Ratio Lower Upper
164 100
166 110.9 101.0 151.4
129 97.8 70.5 105.7
131 96.1 69.8 104.6

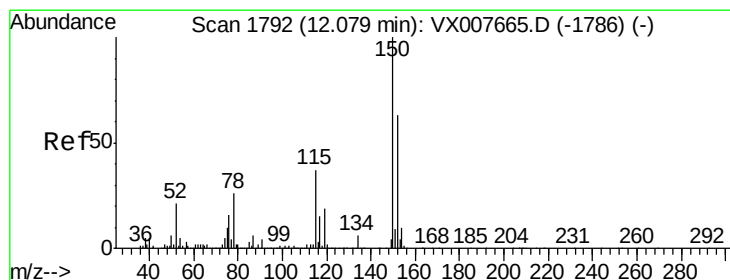
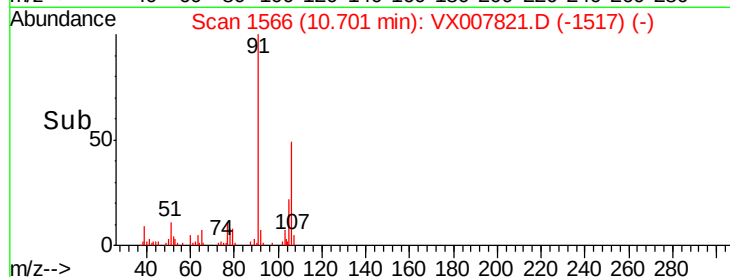
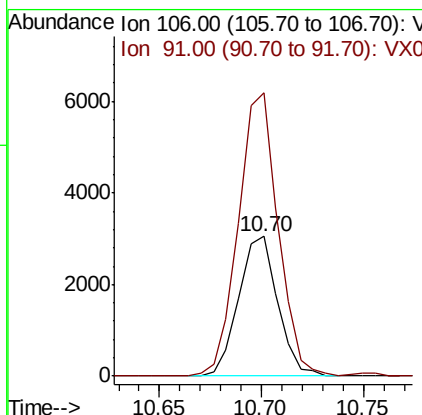
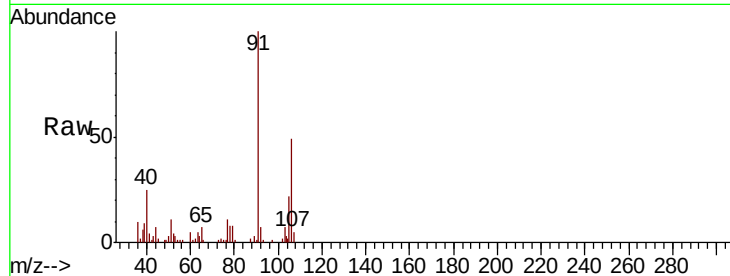




#69
o-Xylene
Concen: 0.632 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX007821.D
Acq: 04 Mar 2019 19:55

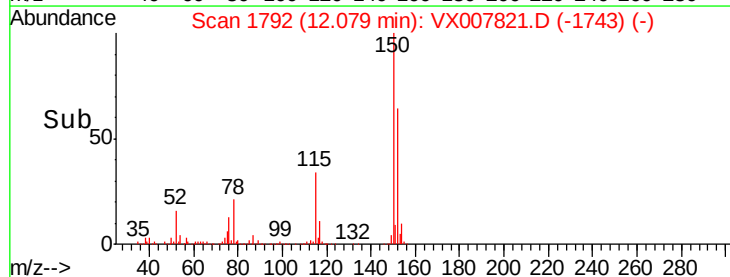
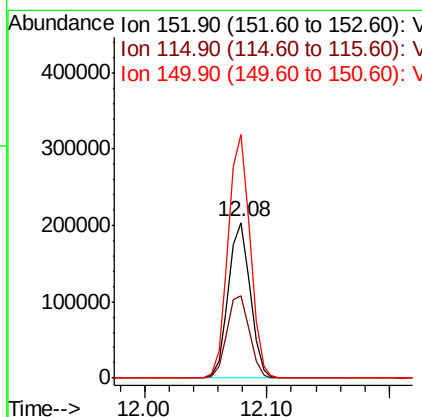
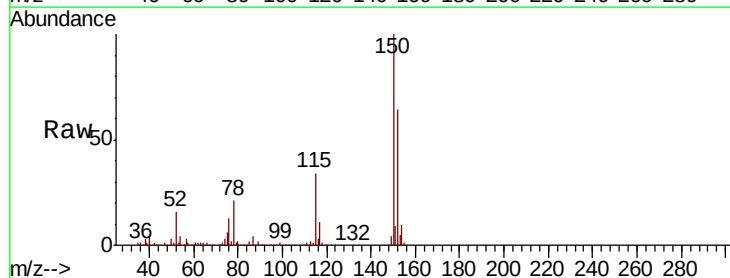
Instrument :
MSVOA_X
ClientSampleId :
MW-13

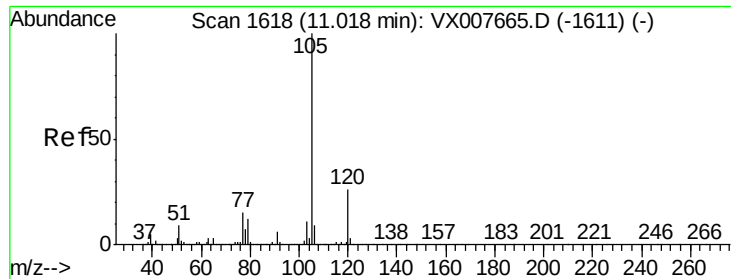
Tot Ion:106 Resp: 4055
Ion Ratio Lower Upper
106 100
91 206.2 102.9 308.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007821.D
Acq: 04 Mar 2019 19:55

Tgt Ion:152 Resp: 251008
Ion Ratio Lower Upper
152 100
115 55.0 38.0 114.0
150 156.9 0.0 346.4





#73

Isopropylbenzene

Concen: 0.373 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007821.D

Acq: 04 Mar 2019 19:55

Instrument :

MSVOA_X

ClientSampled :

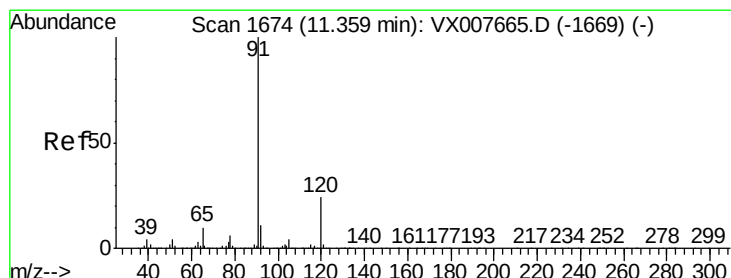
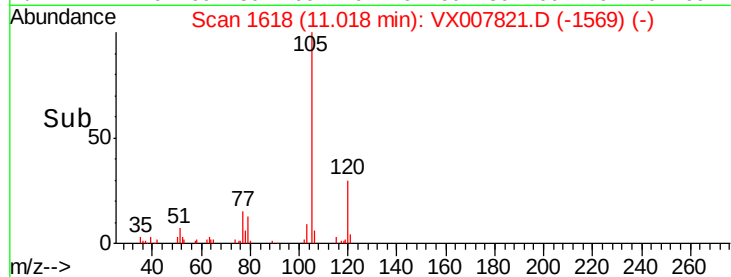
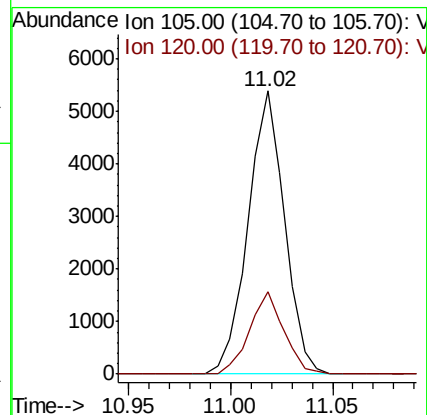
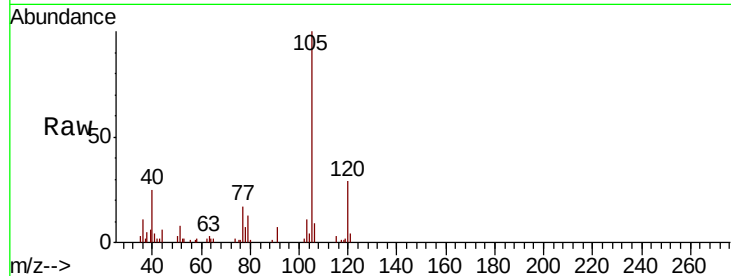
MW-13

Tot Ion:105 Resp: 6699

Ion Ratio Lower Upper

105 100

120 27.4 13.6 40.7



#78

n-propylbenzene

Concen: 0.361 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007821.D

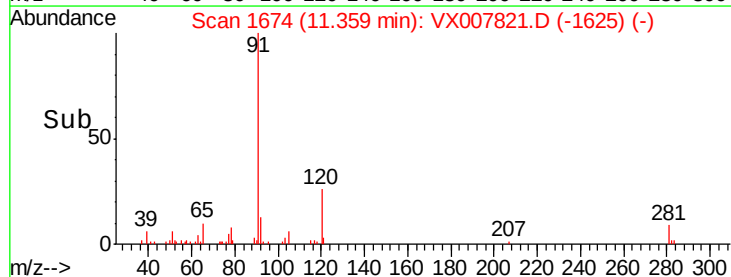
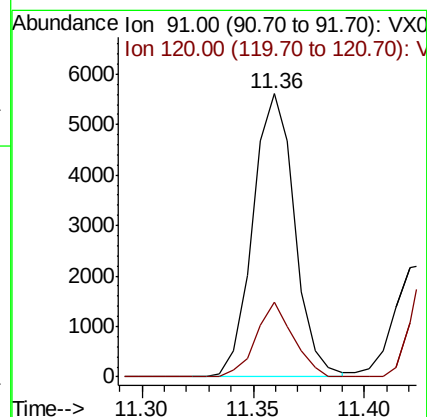
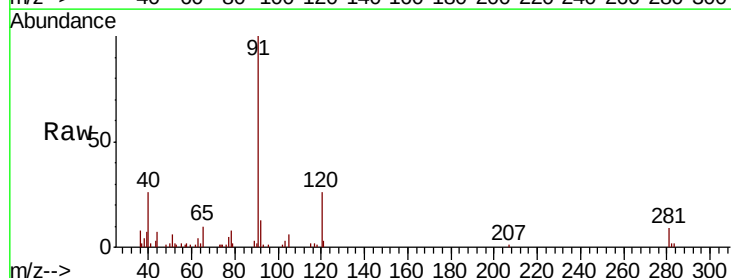
Acq: 04 Mar 2019 19:55

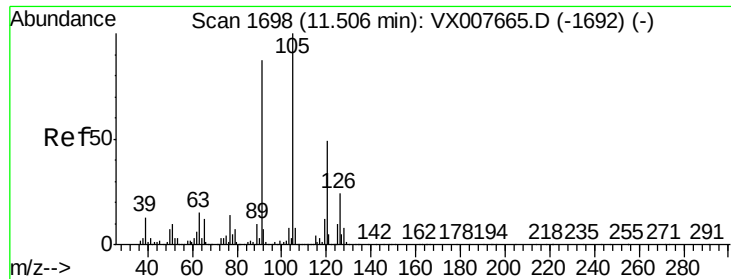
Tgt Ion: 91 Resp: 7323

Ion Ratio Lower Upper

91 100

120 23.6 12.4 37.2

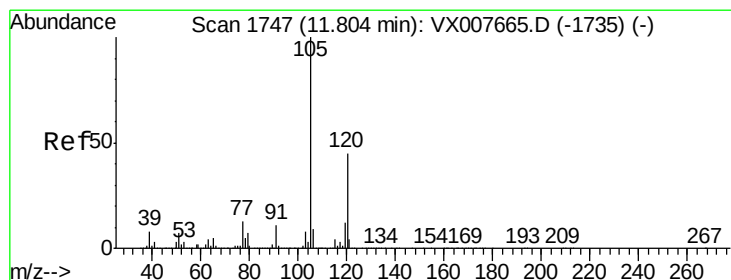
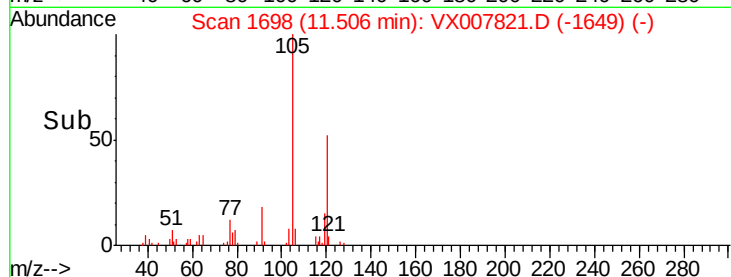
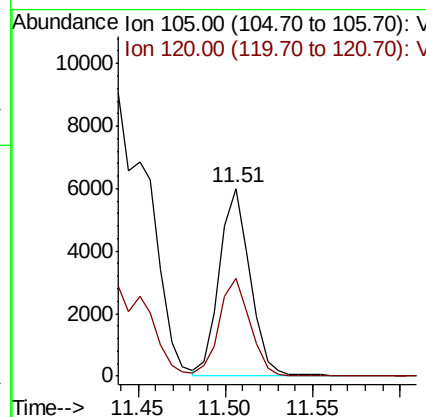
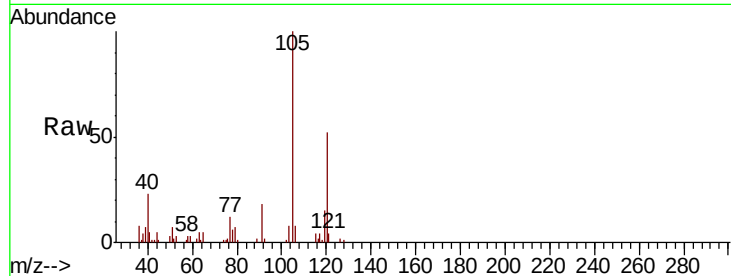




#80
 1,3,5-Trimethylbenzene
 Concen: 0.499 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX007821.D
 Acq: 04 Mar 2019 19:55

Instrument :
 MSVOA_X
 ClientSampled :
 MW-13

Tot Ion:105 Resp: 7369
 Ion Ratio Lower Upper
 105 100
 120 51.8 25.3 75.8



#84
 1,2,4-Trimethylbenzene
 Concen: 1.357 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX007821.D
 Acq: 04 Mar 2019 19:55

Tgt Ion:105 Resp: 20485
 Ion Ratio Lower Upper
 105 100
 120 44.3 23.1 69.3

