

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122018\
 Data File : VX006707.D
 Acq On : 21 Dec 2018 06:01
 Operator : JC/MD
 Sample : J6517-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-MW-1-9.0-121918

Quant Time: Dec 21 10:52:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	656003	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1009463	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	906372	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	428227	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	343460	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
35) Dibromofluoromethane	5.51	113	296250	46.41	ug/l	0.00
Spiked Amount			Recovery	=	92.82%	
50) Toluene-d8	8.71	98	1182698	49.14	ug/l	0.00
Spiked Amount			Recovery	=	98.28%	
62) 4-Bromofluorobenzene	11.13	95	420439	47.70	ug/l	0.00
Spiked Amount			Recovery	=	95.40%	

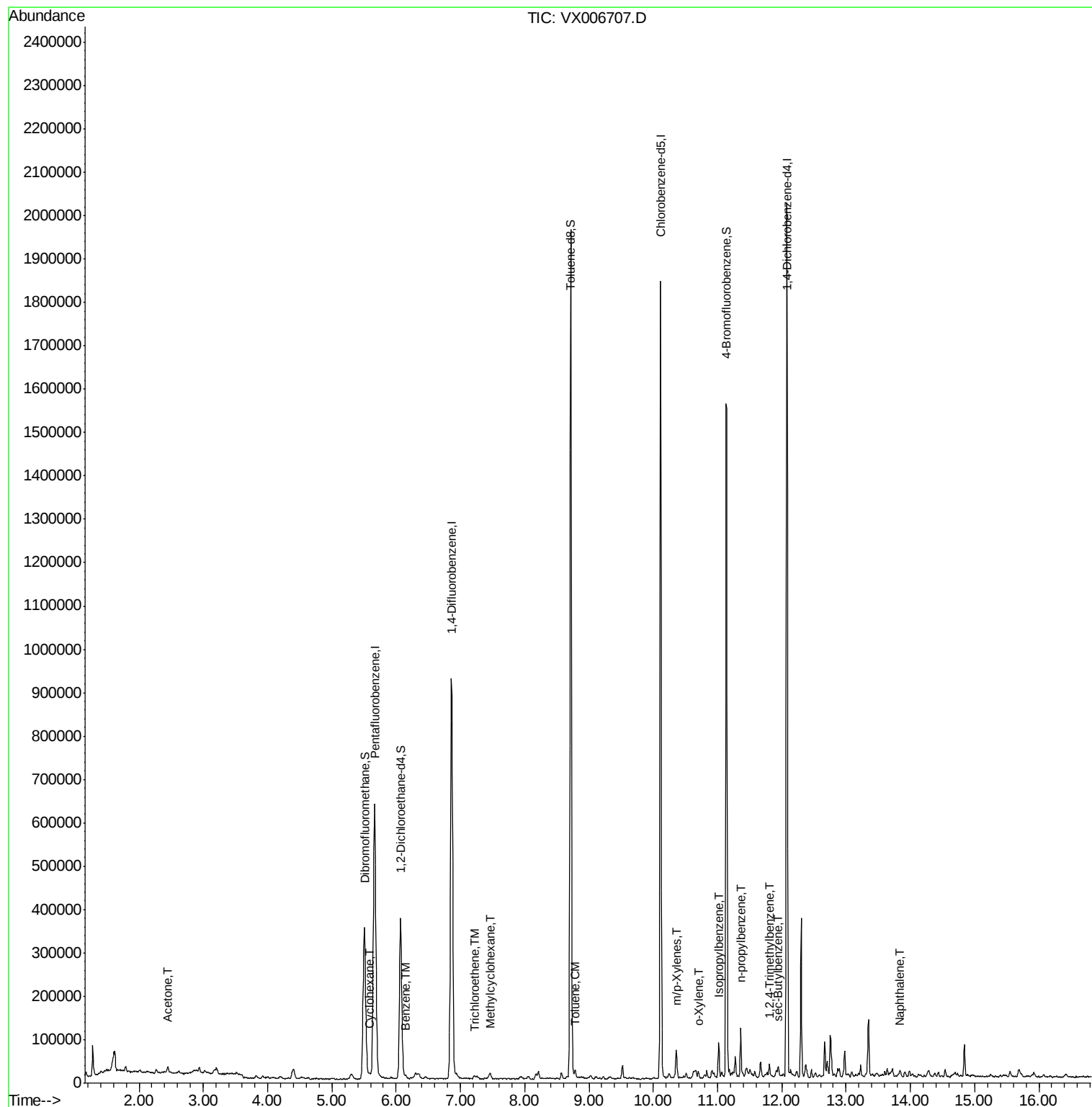
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	16371	5.040	ug/l	92
31) Cyclohexane	5.58	56	7264	0.742	ug/l #	80
39) Methylcyclohexane	7.46	83	6199	0.563	ug/l	91
40) Benzene	6.15	78	9186	0.361	ug/l #	89
44) Trichloroethene	7.21	130	2857	0.371	ug/l	76
52) Toluene	8.79	92	6218	0.379	ug/l	93
68) m/p-Xylenes	10.36	106	10699	0.865	ug/l	92
69) o-Xylene	10.70	106	3594	0.294	ug/l	97
73) Isopropylbenzene	11.02	105	41407	1.413	ug/l	99
78) n-propylbenzene	11.36	91	68656	2.128	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	8387	0.330	ug/l	96
85) sec-Butylbenzene	11.94	105	10611	0.358	ug/l #	72
95) Naphthalene	13.83	128	7944	0.253	ug/l #	72

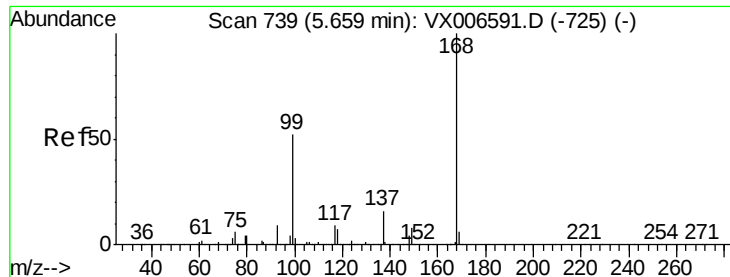
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006707.D

Acq: 21 Dec 2018 06:01

Instrument :

MSVOA_X

ClientSampleId :

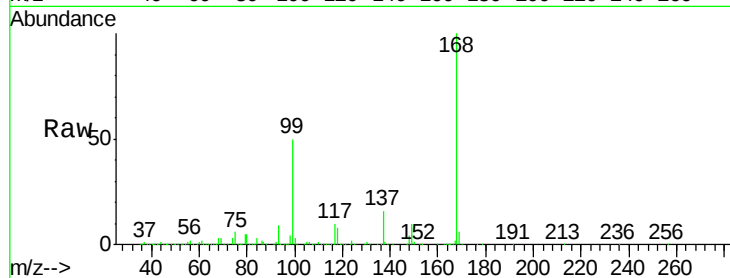
T3-MW-1-9.0-121918

Tot Ion:168 Resp: 656003

Ion Ratio Lower Upper

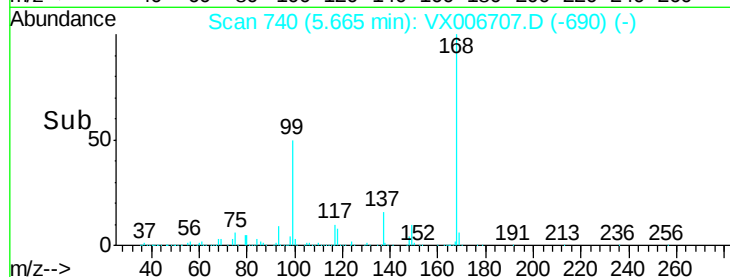
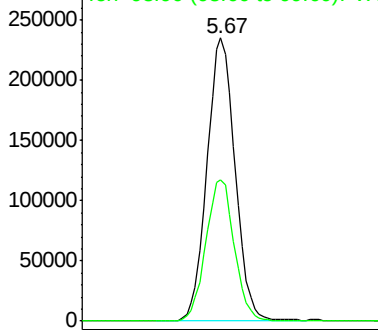
168 100

99 50.1 41.8 62.8

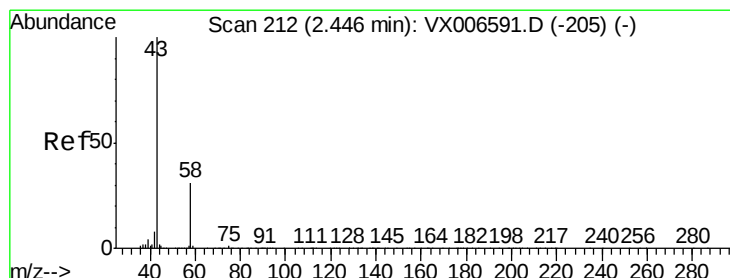


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



Time-->



#16

Acetone

Concen: 5.040 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006707.D

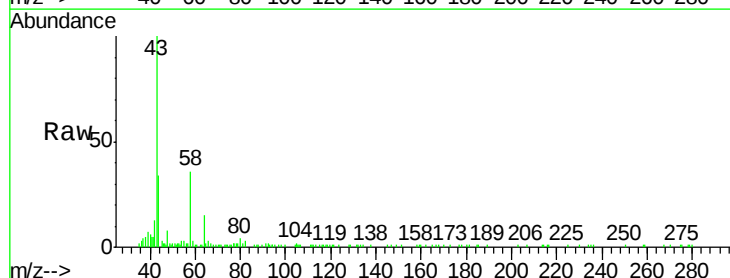
Acq: 21 Dec 2018 06:01

Tgt Ion: 43 Resp: 16371

Ion Ratio Lower Upper

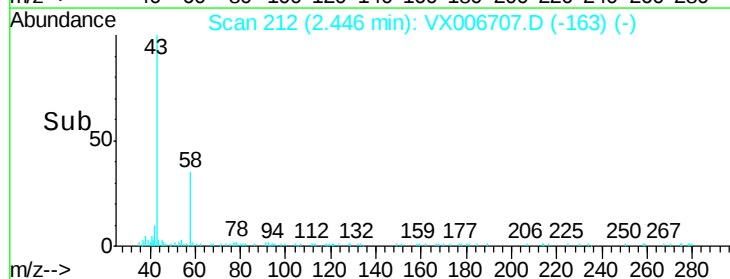
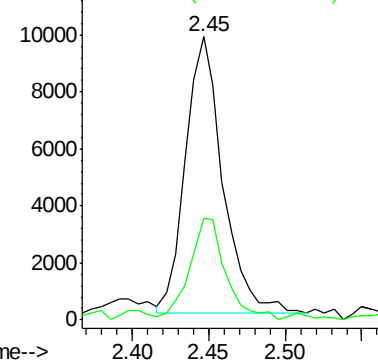
43 100

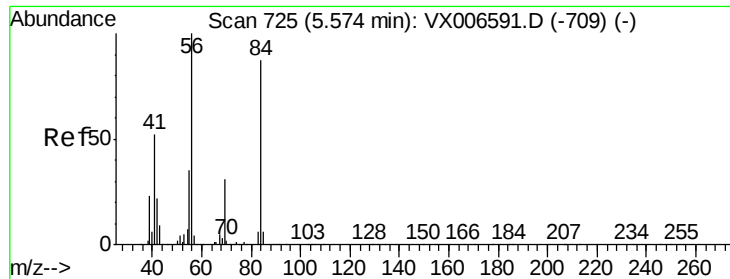
58 35.7 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#31

Cyclohexane

Concen: 0.742 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX006707.D

Acq: 21 Dec 2018 06:01

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-1-9.0-121918

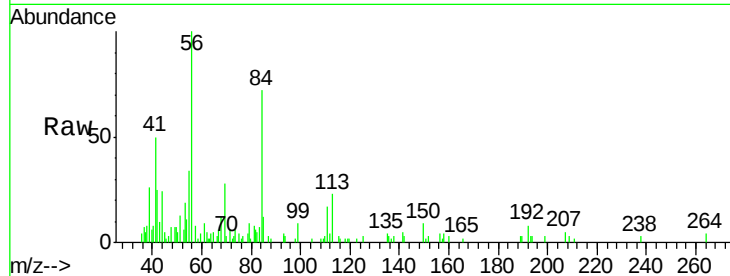
Tot Ion: 56 Resp: 7264

Ion Ratio Lower Upper

56 100

69 20.8 24.4 36.6#

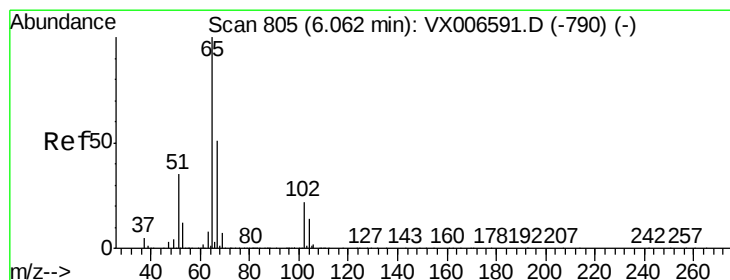
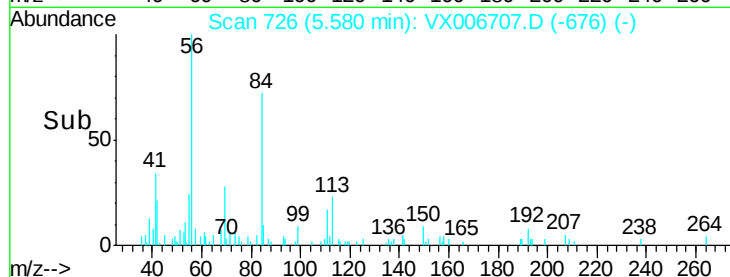
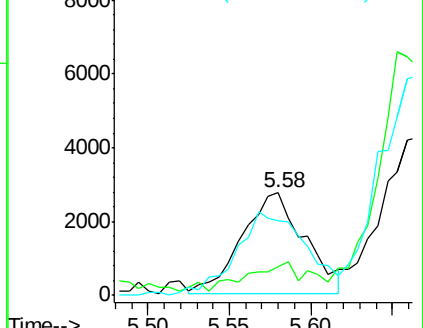
84 68.0 70.0 105.0#



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



#33

1,2-Dichloroethane-d4

Concen: 48.579 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006707.D

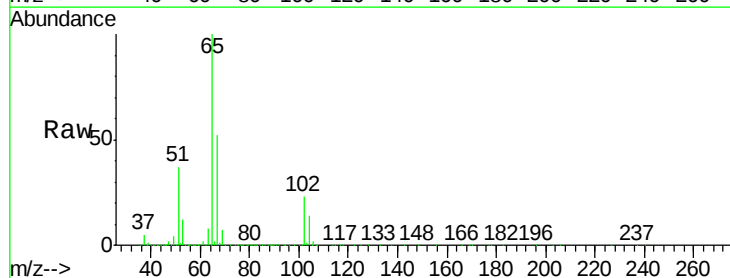
Acq: 21 Dec 2018 06:01

Tgt Ion: 65 Resp: 343460

Ion Ratio Lower Upper

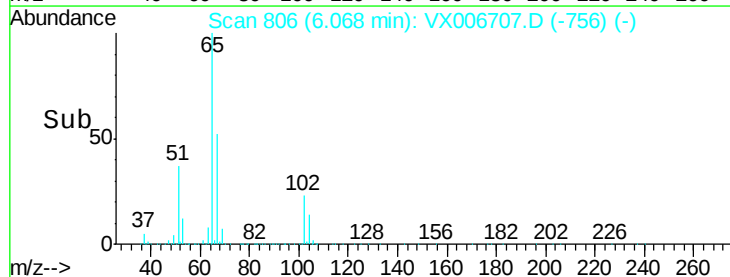
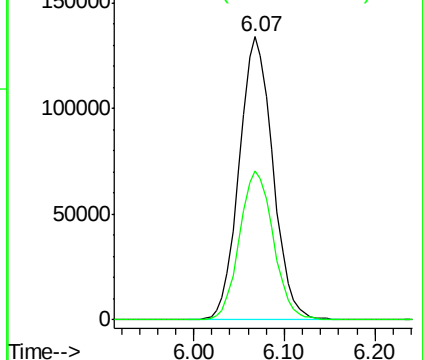
65 100

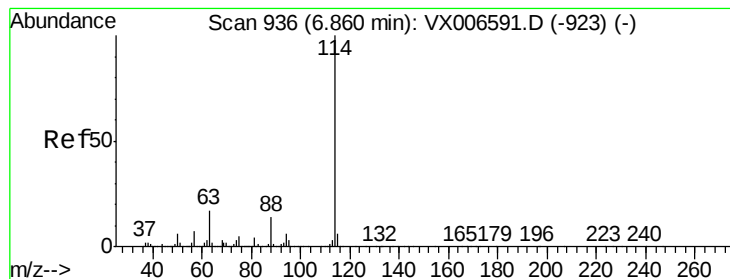
67 53.0 0.0 105.0



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. 0.00 min

Lab File: VX006707.D

Acq: 21 Dec 2018 06:01

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-1-9.0-121918

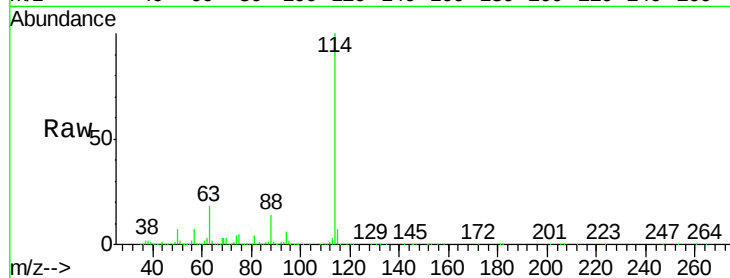
Tot Ion:114 Resp: 1009463

Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.8

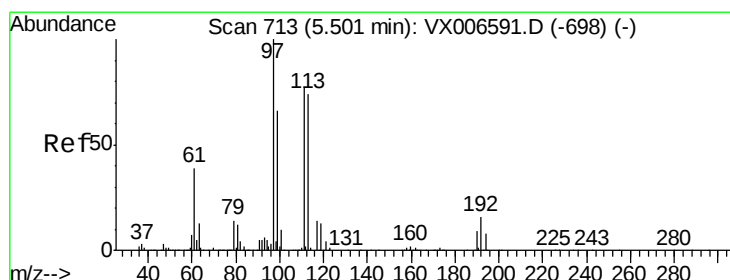
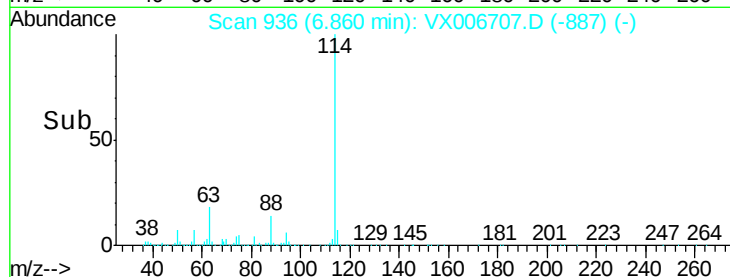
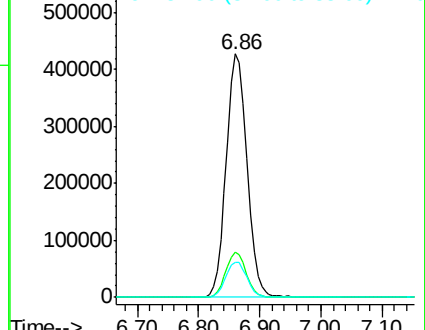
88 14.1 0.0 28.8



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: 46.408 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006707.D

Acq: 21 Dec 2018 06:01

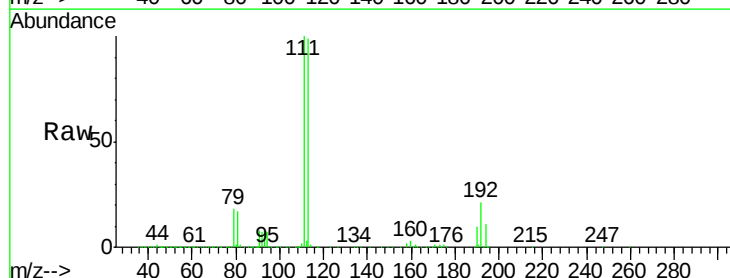
Tgt Ion:113 Resp: 296250

Ion Ratio Lower Upper

113 100

111 102.8 81.6 122.4

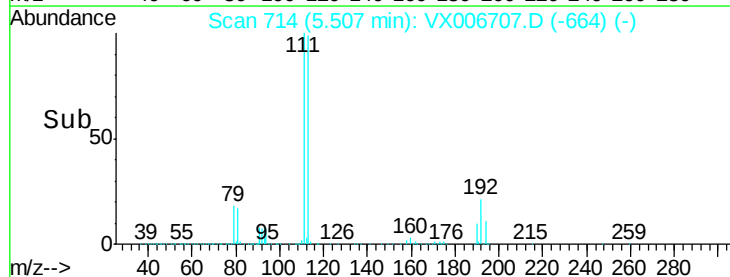
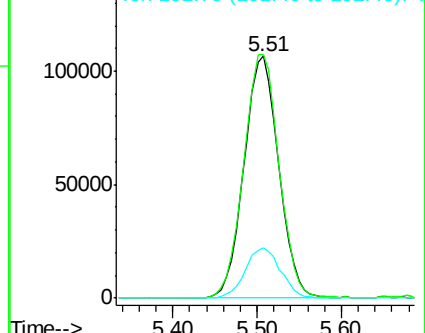
192 21.3 16.7 25.1

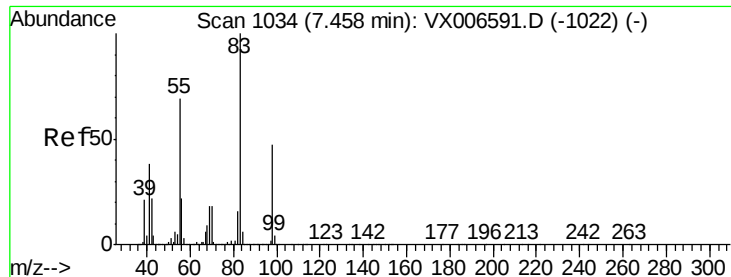


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

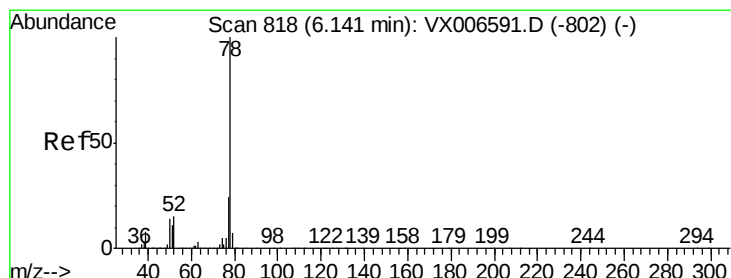
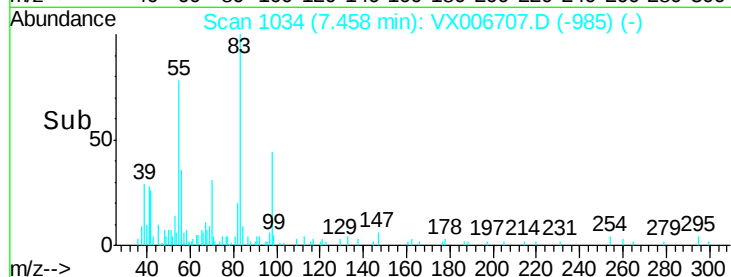
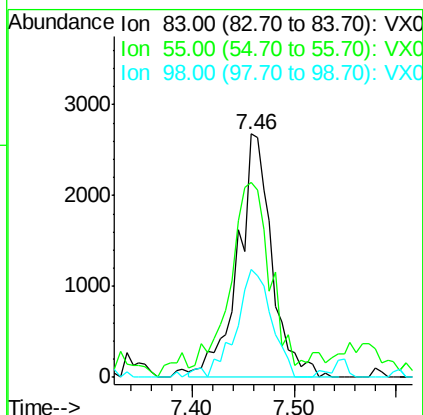
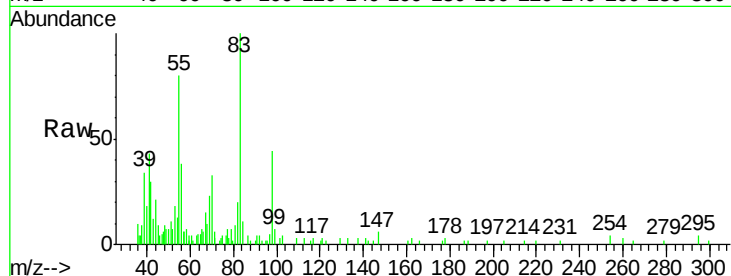




#39
Methvlcvclohexane
Concen: 0.563 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX006707.D
Acq: 21 Dec 2018 06:01

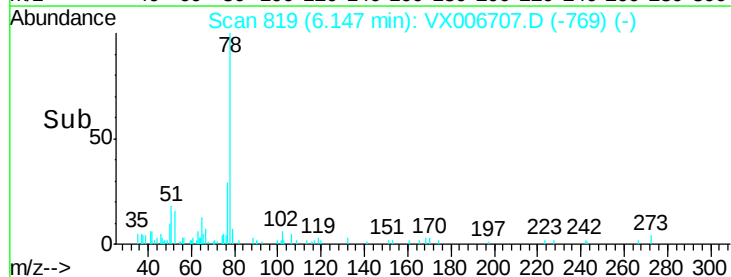
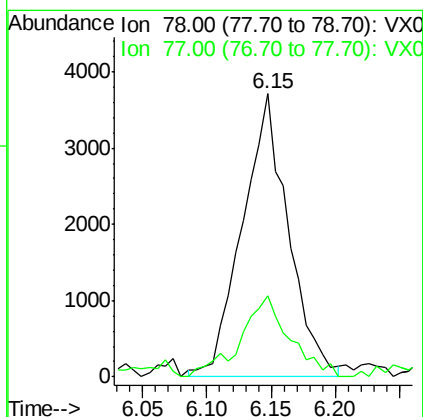
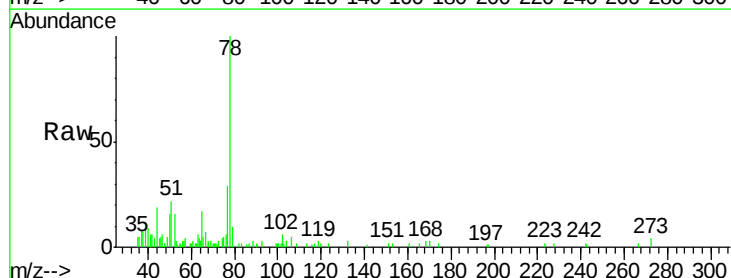
Instrument :
MSVOA_X
ClientSampleId :
T3-MW-1-9.0-121918

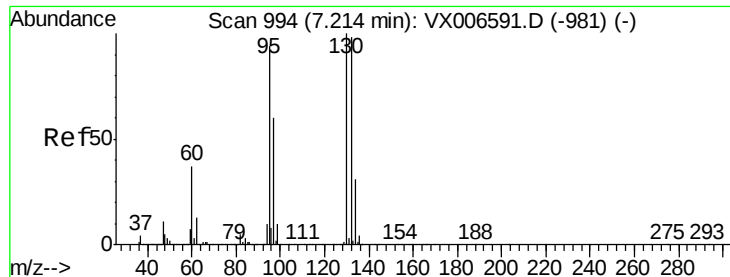
Tot Ion	Ratio	Lower	Upper
83	100		
55	76.3	54.9	82.3
98	42.4	37.9	56.9



#40
Benzene
Concen: 0.361 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX006707.D
Acq: 21 Dec 2018 06:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	29.3	19.2	28.8#





#44

Trichloroethene

Concen: 0.371 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX006707.D

Acq: 21 Dec 2018 06:01

Instrument :

MSVOA_X

ClientSampleId :

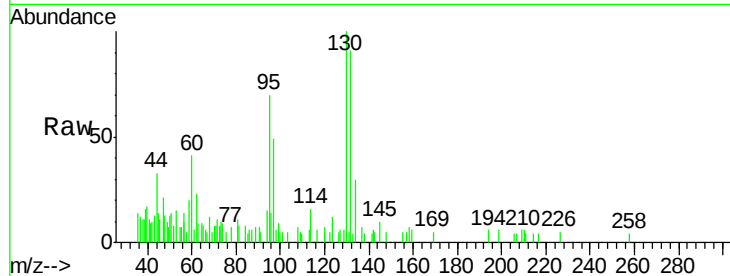
T3-MW-1-9.0-121918

Tot Ion:130 Resp: 2857

Ion Ratio Lower Upper

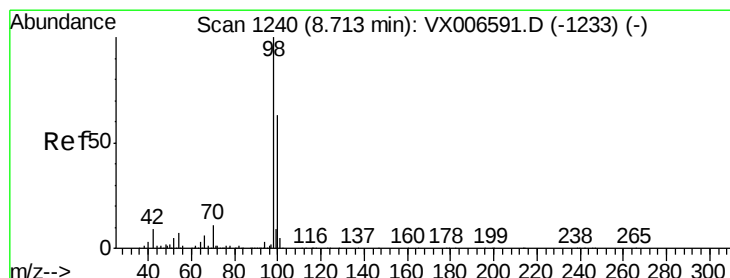
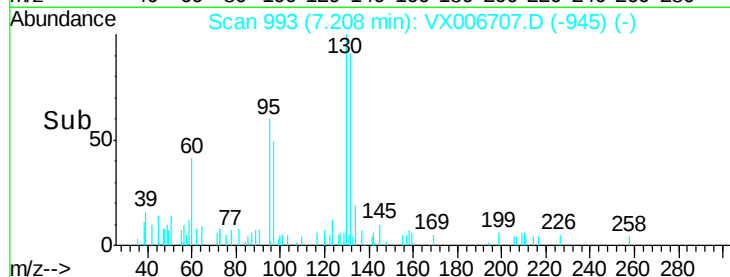
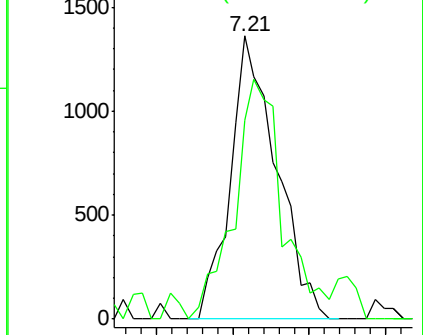
130 100

95 70.1 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 49.143 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006707.D

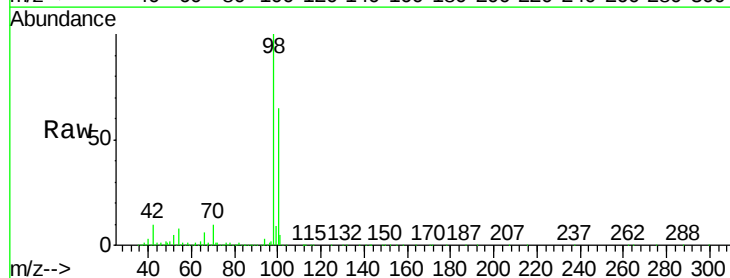
Acq: 21 Dec 2018 06:01

Tgt Ion: 98 Resp: 1182698

Ion Ratio Lower Upper

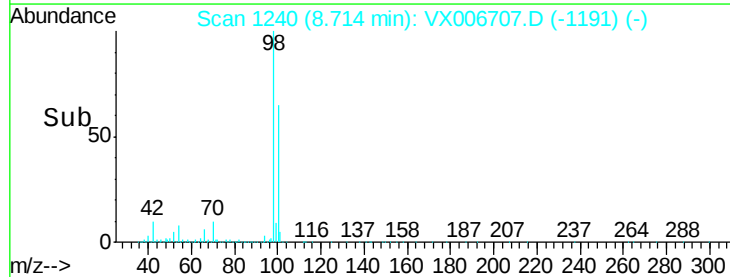
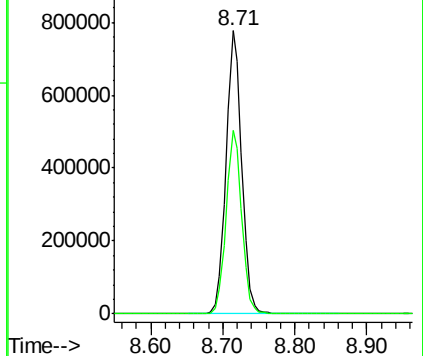
98 100

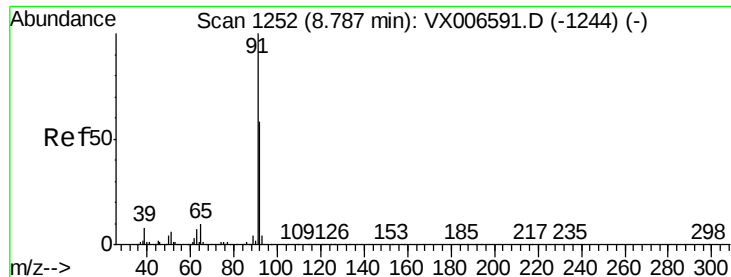
100 64.6 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 0.379 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX006707.D

Acq: 21 Dec 2018 06:01

Instrument :

MSVOA_X

ClientSampleId :

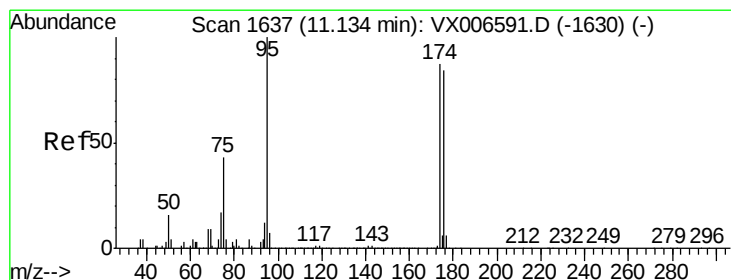
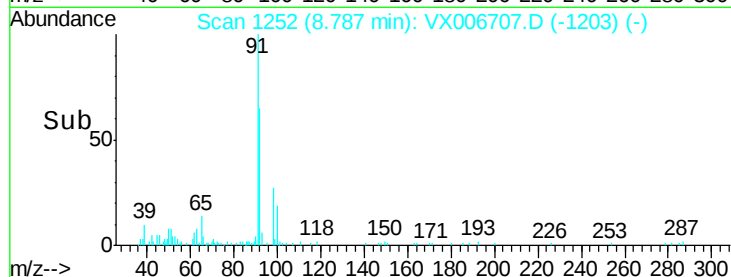
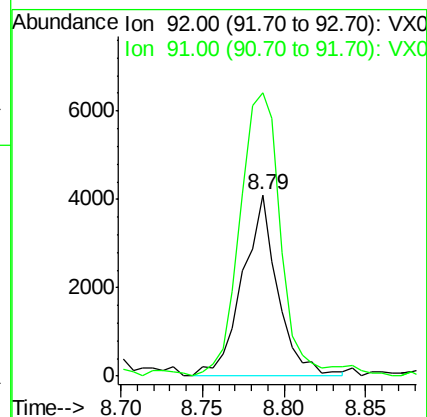
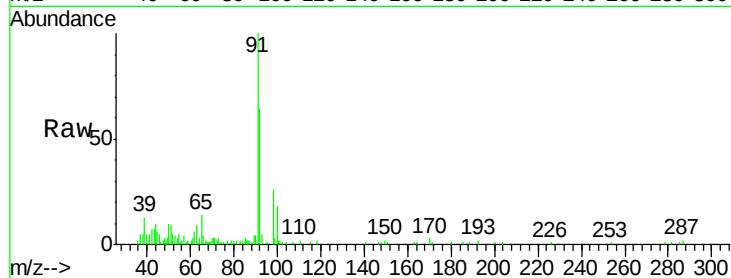
T3-MW-1-9.0-121918

Tot Ion: 92 Resp: 6218

Ion Ratio Lower Upper

92 100

91 182.3 137.6 206.4



#62

4-Bromofluorobenzene

Concen: 47.700 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX006707.D

Acq: 21 Dec 2018 06:01

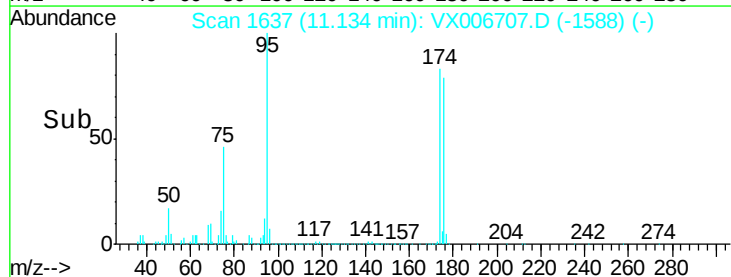
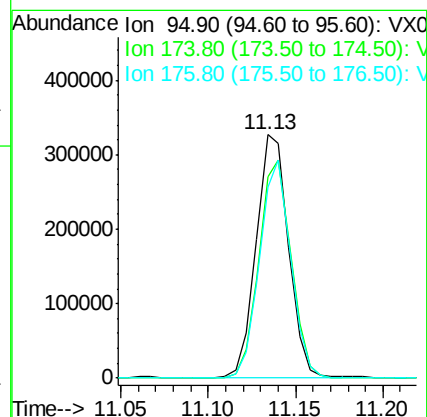
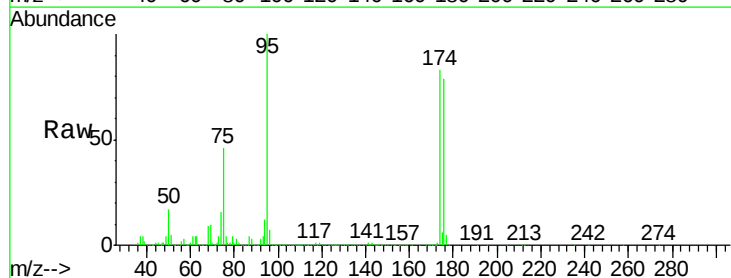
Tgt Ion: 95 Resp: 420439

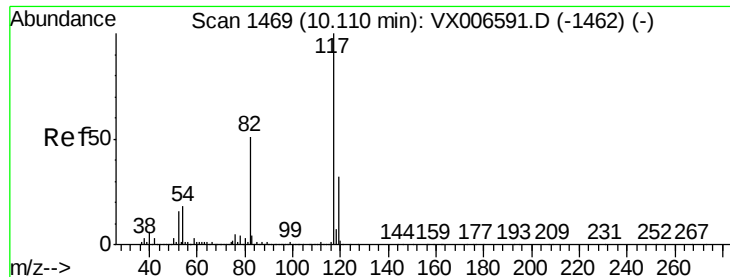
Ion Ratio Lower Upper

95 100

174 89.2 0.0 182.2

176 86.4 0.0 178.8

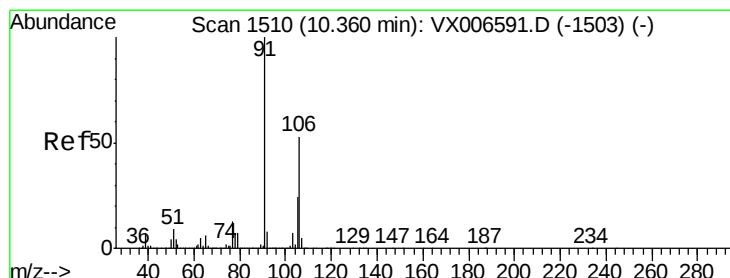
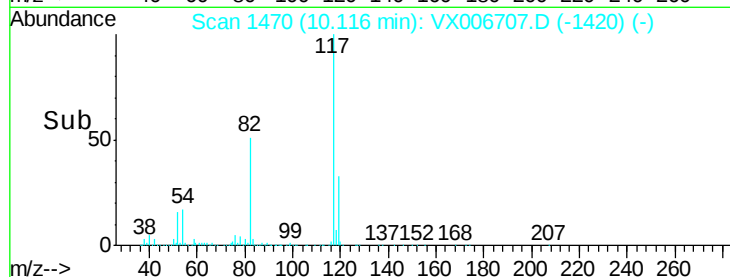
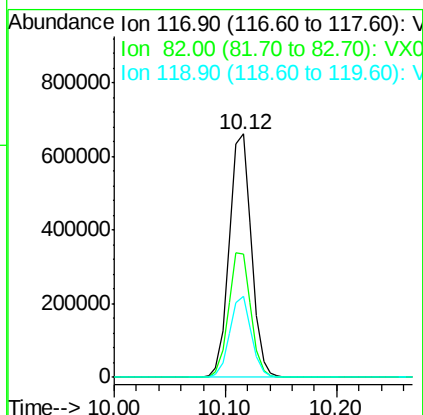
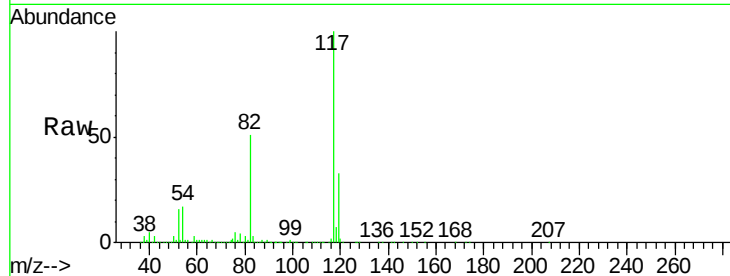




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006707.D
Acq: 21 Dec 2018 06:01

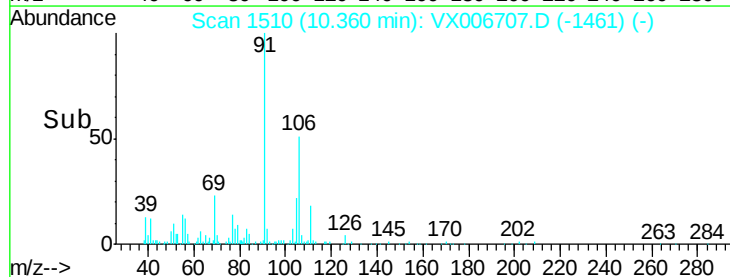
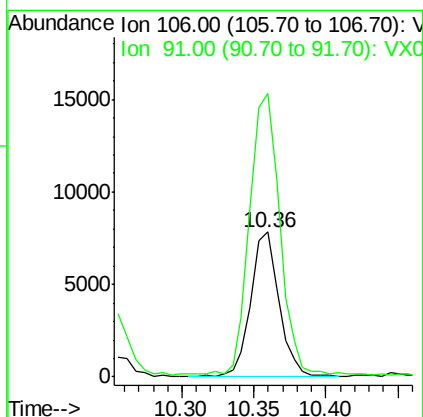
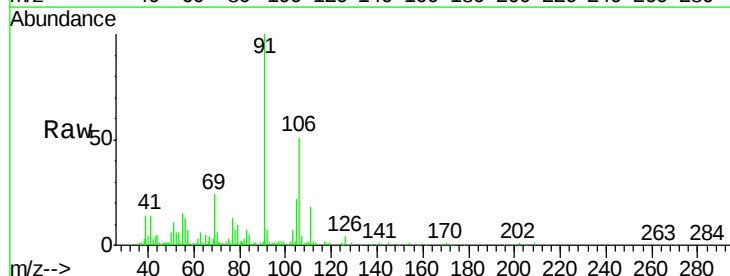
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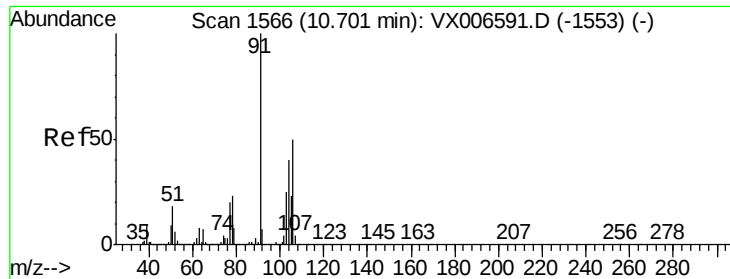
Tot Ion:117 Resp: 906372
Ion Ratio Lower Upper
117 100
82 50.8 41.0 61.6
119 33.1 25.4 38.0



#68
m/p-Xylenes
Concen: 0.865 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX006707.D
Acq: 21 Dec 2018 06:01

Tgt Ion:106 Resp: 10699
Ion Ratio Lower Upper
106 100
91 206.7 155.8 233.6

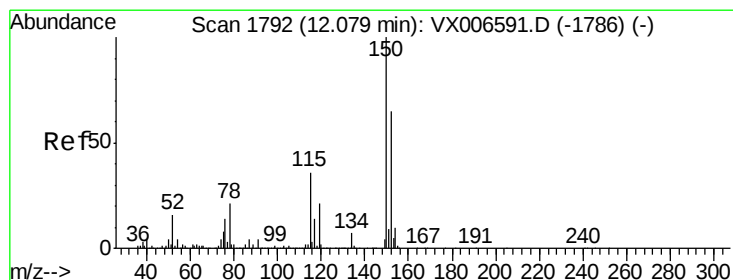
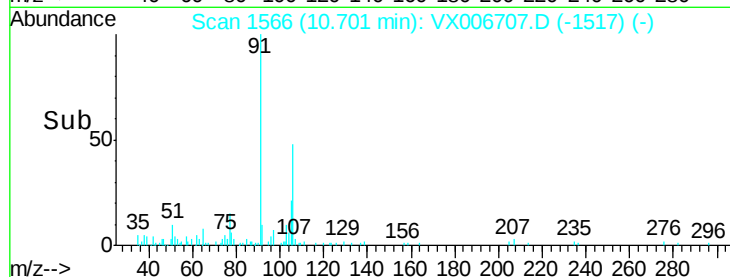
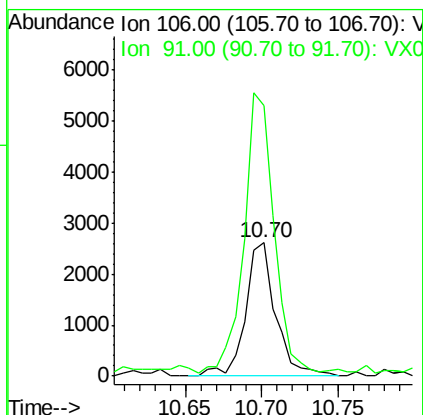
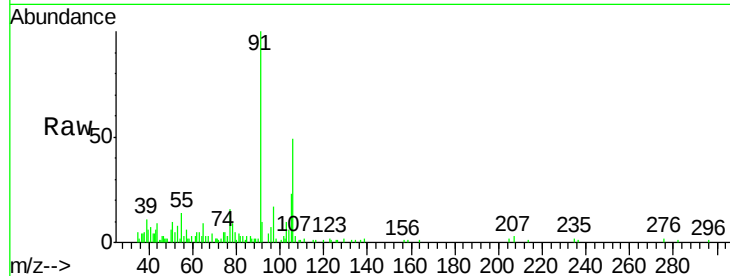




#69
o-Xylene
Concen: 0.294 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006707.D
Acq: 21 Dec 2018 06:01

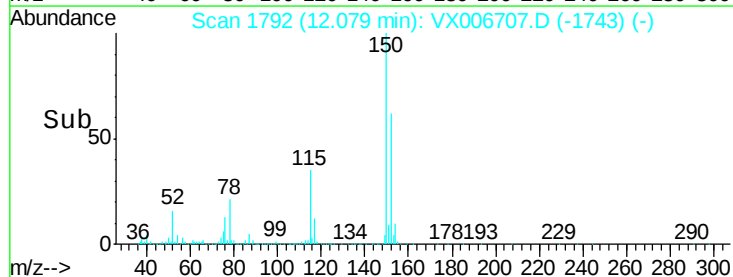
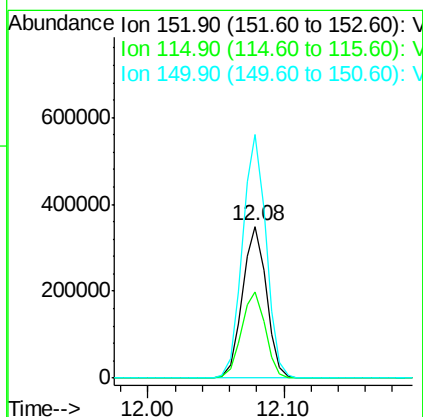
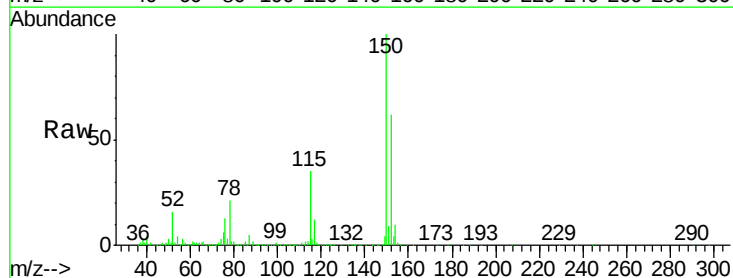
Instrument :
MSVOA_X
ClientSampleId :
T3-MW-1-9.0-121918

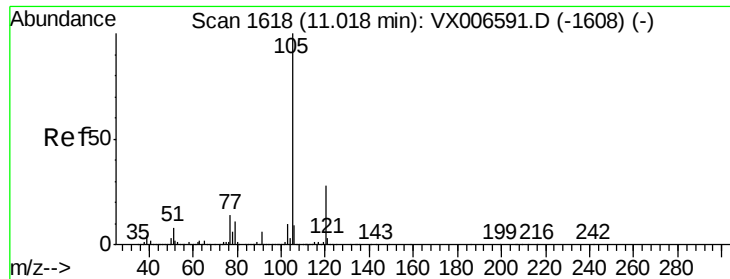
Tot Ion:106 Resp: 3594
Ion Ratio Lower Upper
106 100
91 207.7 101.3 303.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006707.D
Acq: 21 Dec 2018 06:01

Tgt Ion:152 Resp: 428227
Ion Ratio Lower Upper
152 100
115 57.0 39.1 117.2
150 159.0 0.0 344.8





#73

Isopropylbenzene

Concen: 1.413 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006707.D

Acq: 21 Dec 2018 06:01

Instrument :

MSVOA_X

ClientSampleId :

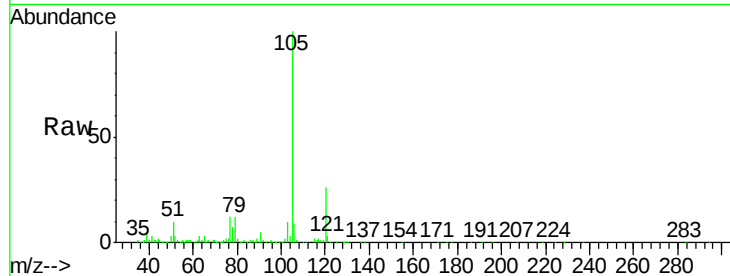
T3-MW-1-9.0-121918

Tot Ion:105 Resp: 41407

Ion Ratio Lower Upper

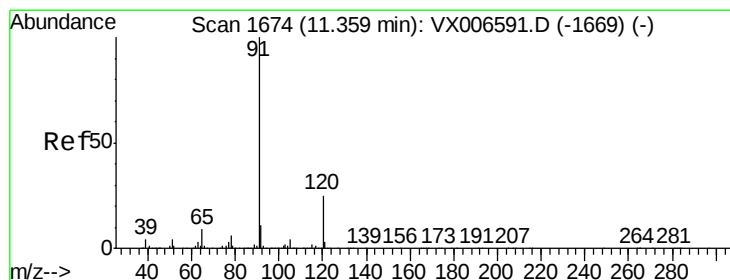
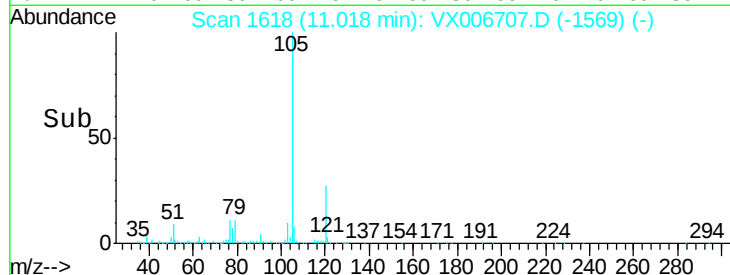
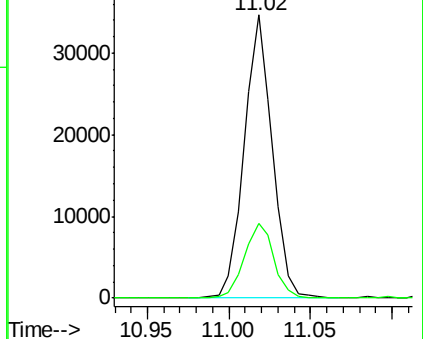
105 100

120 27.8 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 2.128 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX006707.D

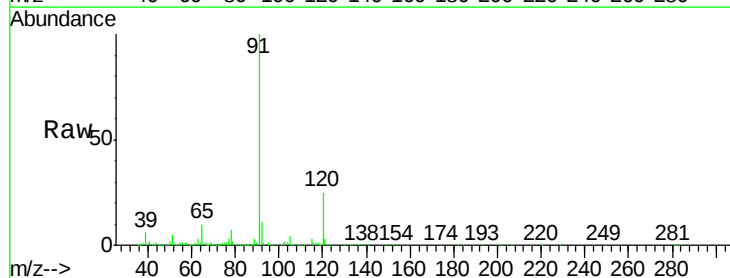
Acq: 21 Dec 2018 06:01

Tgt Ion: 91 Resp: 68656

Ion Ratio Lower Upper

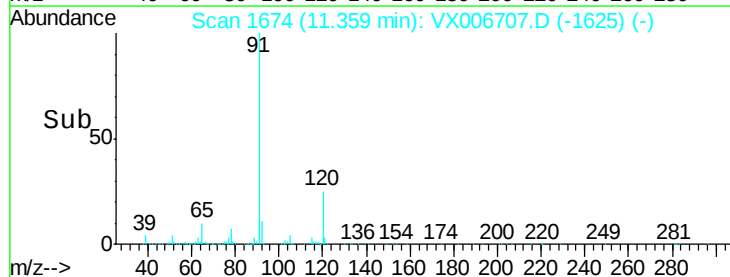
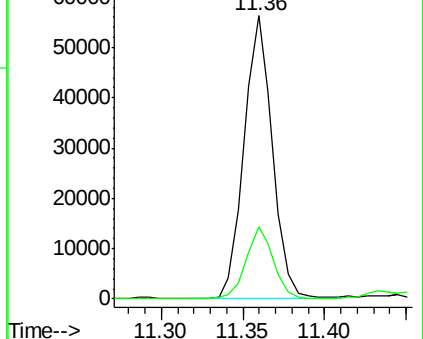
91 100

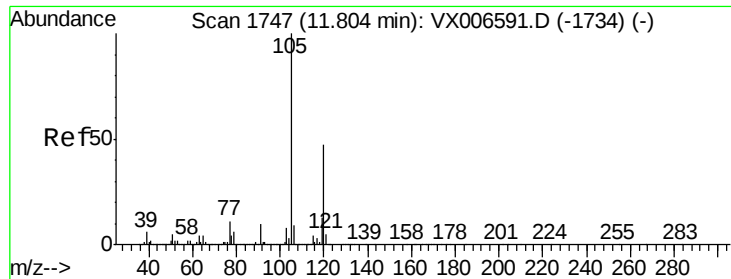
120 24.5 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#84

1,2,4-Trimethylbenzene

Concen: 0.330 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX006707.D

Acq: 21 Dec 2018 06:01

Instrument :

MSVOA_X

ClientSampleId :

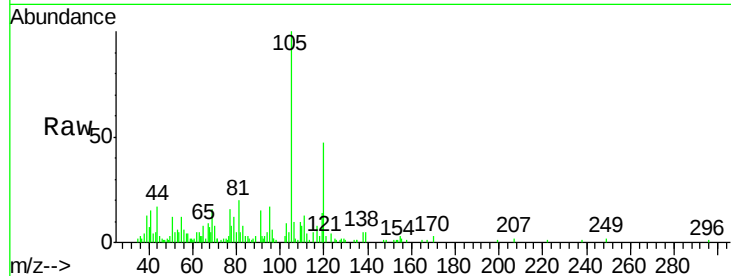
T3-MW-1-9.0-121918

Tot Ion:105 Resp: 8387

Ion Ratio Lower Upper

105 100

120 49.1 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.80

6000

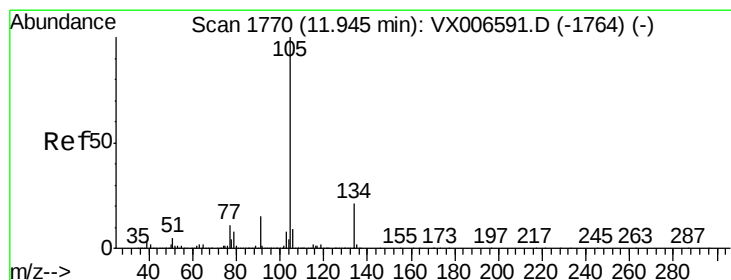
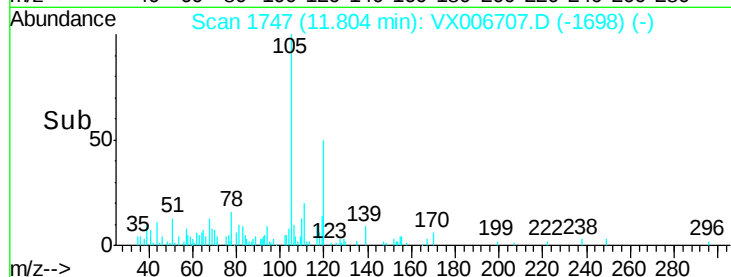
4000

2000

0

Time-->

11.75 11.80 11.85



#85

sec-Butylbenzene

Concen: 0.358 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006707.D

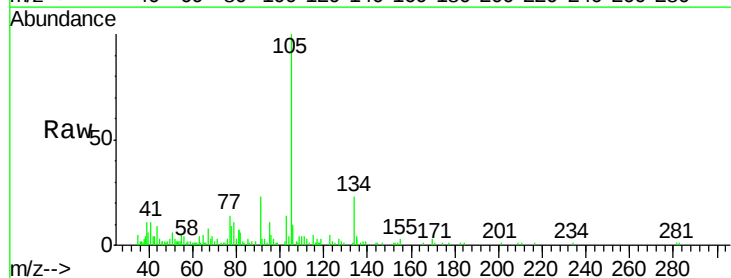
Acq: 21 Dec 2018 06:01

Tgt Ion:105 Resp: 10611

Ion Ratio Lower Upper

105 100

134 34.6 10.7 31.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

8000

6000

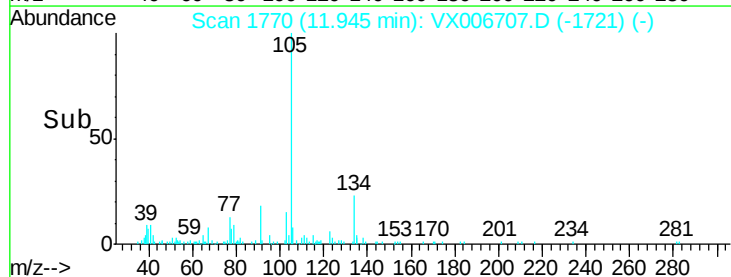
4000

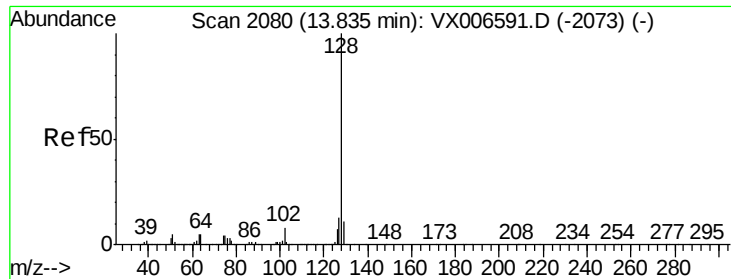
2000

0

Time-->

11.90 11.95 12.00





#95

Naphthalene

Concen: 0.253 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006707.D

Acq: 21 Dec 2018 06:01

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-1-9.0-121918

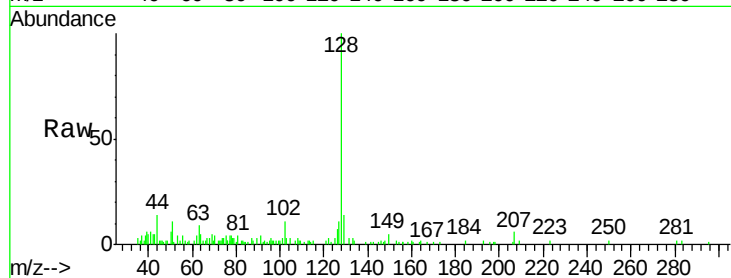
Tot Ion:128 Resp: 7944

Ion Ratio Lower Upper

128 100

127 23.2 10.1 15.1#

129 22.2 8.6 13.0#



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

