

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082019\
 Data File : VX011689.D
 Acq On : 20 Aug 2019 16:59
 Operator : JC/SP
 Sample : K4413-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TMW-02

Manual Integrations
 APPROVED

MMDadoda
 8/21/2019 8:33:24 AM

Quant Time: Aug 21 00:07:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	398759	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	549576	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	482326	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	246226	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	201593	54.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.02%	
35) Dibromofluoromethane	5.49	113	166262	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	
50) Toluene-d8	8.71	98	636390	56.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.64%	
62) 4-Bromofluorobenzene	11.13	95	221925	46.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.88%	
Target Compounds						
					Qvalue	
16) Acetone	2.43	43	9429	5.071	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	6551	1.560	ug/l	85
39) Methylcyclohexane	7.46	83	2627	0.453	ug/l	91
40) Benzene	6.14	78	8566	0.587	ug/l	96
52) Toluene	8.78	92	3234	0.348	ug/l	93
68) m/p-Xylenes	10.36	106	2281	0.346	ug/l	76
69) o-Xylene	10.69	106	3944	0.611	ug/l	95
73) Isopropylbenzene	11.02	105	6637	0.415	ug/l	92
78) n-propylbenzene	11.36	91	8868	0.515	ug/l	89
84) 1,2,4-Trimethylbenzene	11.80	105	4011	0.298	ug/l	99
85) sec-Butylbenzene	11.94	105	10079	0.654	ug/l	83
89) n-Butylbenzene	12.38	91	4208m	0.353	ug/l	
95) Naphthalene	13.83	128	31262	1.809	ug/l #	95

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

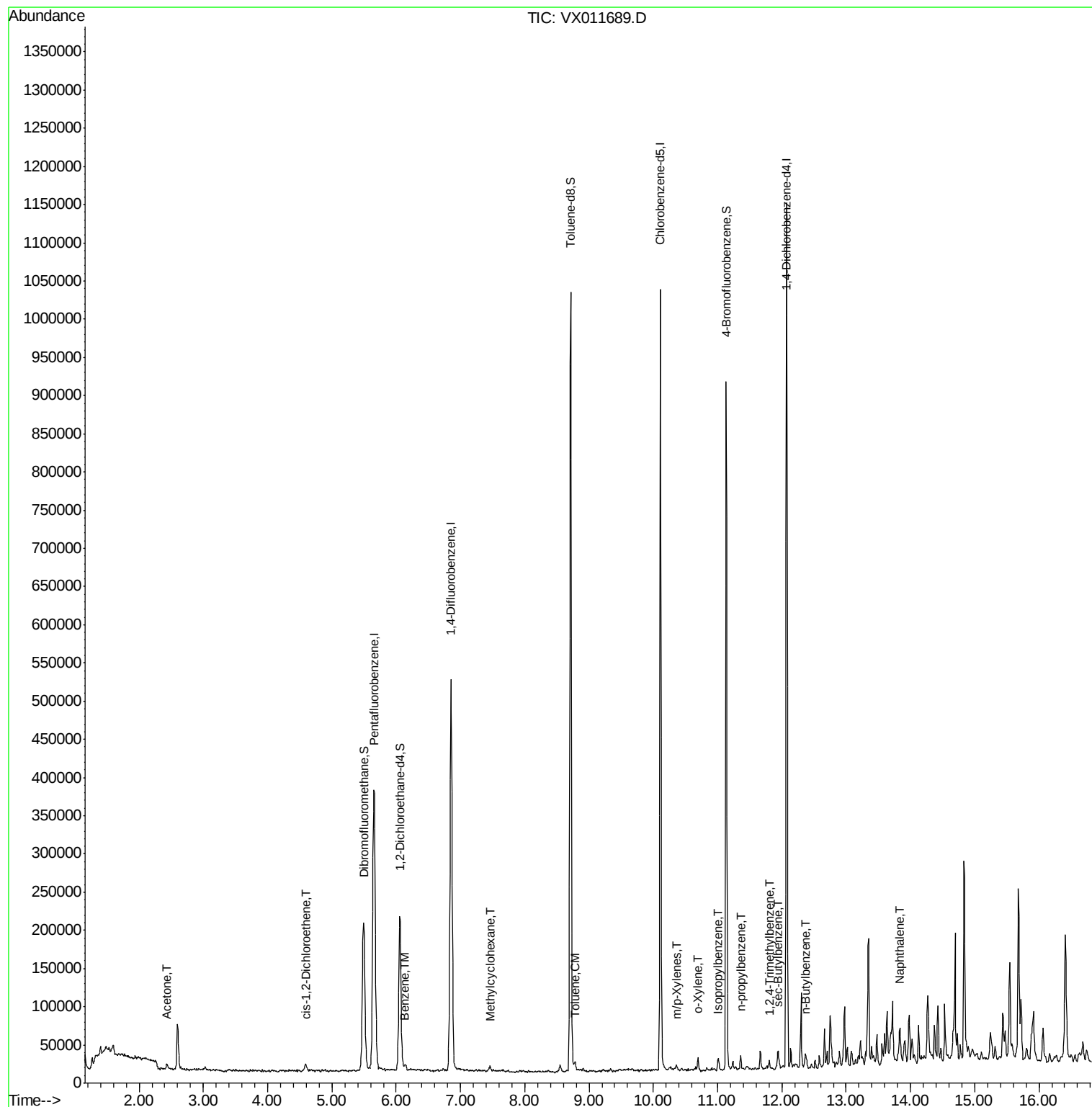
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082019\
Data File : VX011689.D
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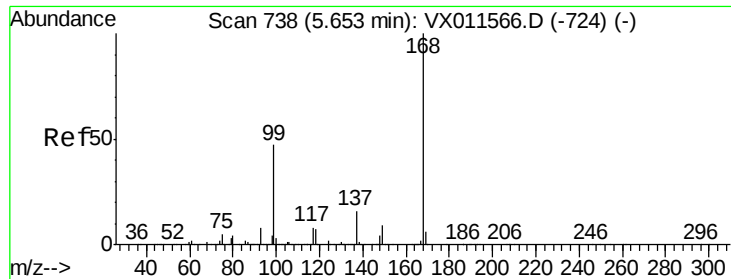
Instrument :
MSVOA_X
ClientSampleId :
TMW-02

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Quant Time: Aug 21 00:07:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 16 04:15:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011689.D

Acq: 20 Aug 2019 16:59

Instrument :

MSVOA_X

ClientSampleId :

TMW-02

Tot Ion:168 Resp: 398759

Ion Ratio Lower Upper

168 100

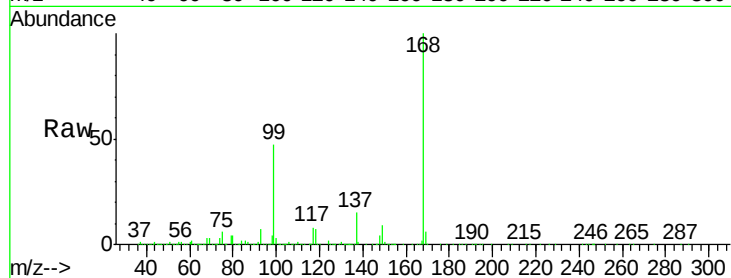
99 47.3 37.3 55.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

150000

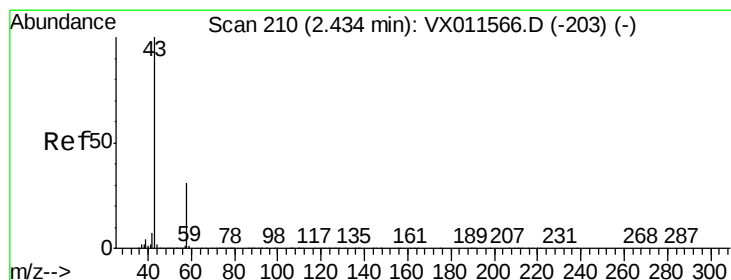
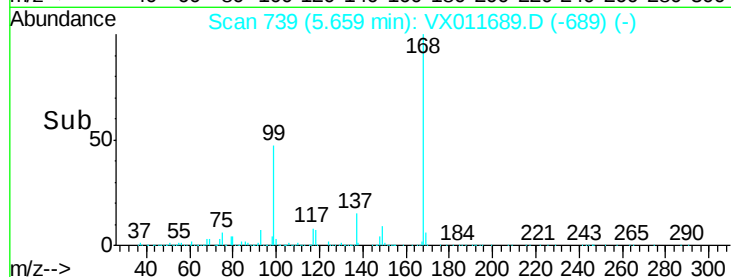
100000

50000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#16

Acetone

Concen: 5.071 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX011689.D

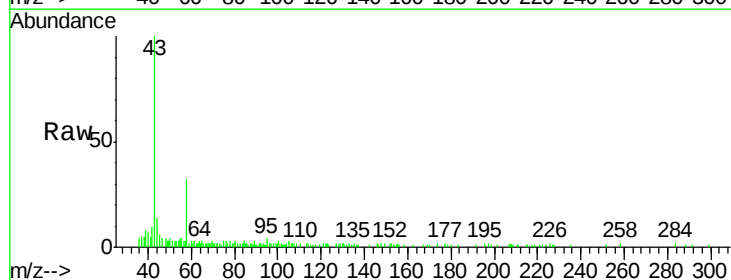
Acq: 20 Aug 2019 16:59

Tgt Ion: 43 Resp: 9429

Ion Ratio Lower Upper

43 100

58 28.5 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

6000

5000

4000

3000

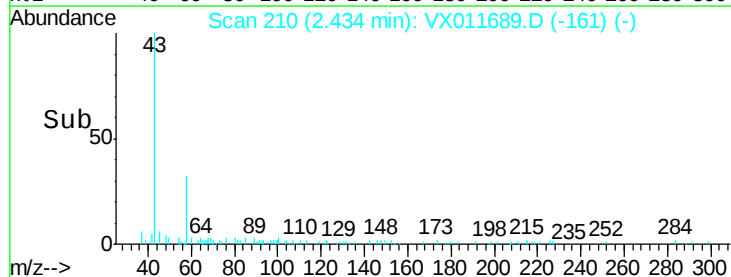
2000

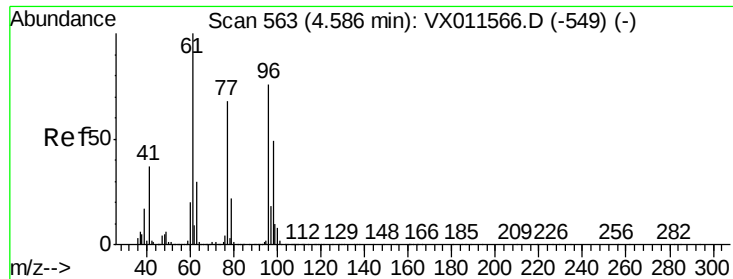
1000

0

2.35 2.40 2.45 2.50

Time-->





#27

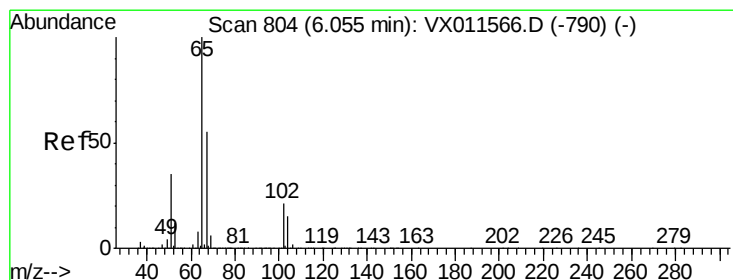
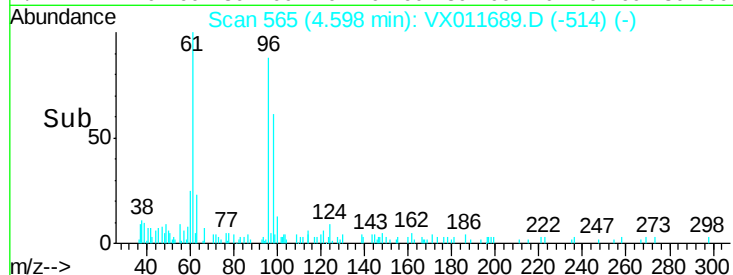
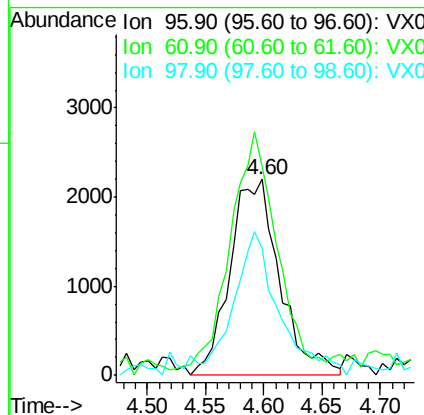
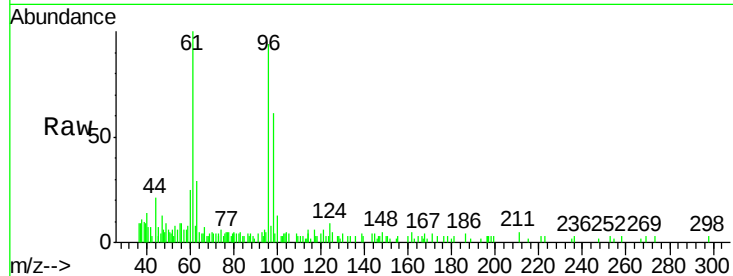
cis-1,2-Dichloroethene
Concen: 1.560 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX011689.D
Acq: 20 Aug 2019 16:59

Instrument :
MSVOA_X
ClientSampleId :
TMW-02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	6551		
61	113.2		0.0	272.6
98	68.6		0.0	129.4

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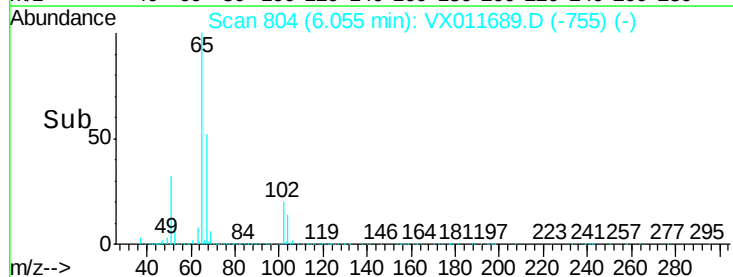
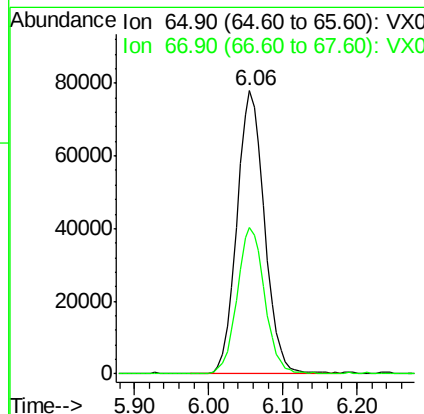
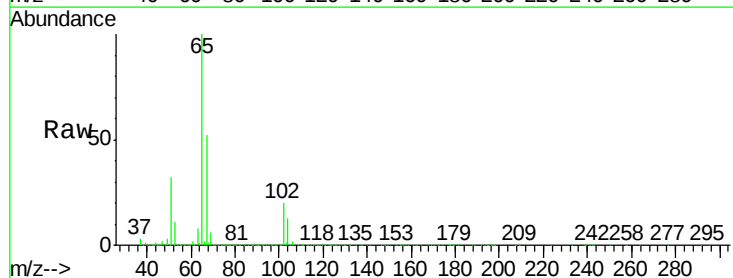
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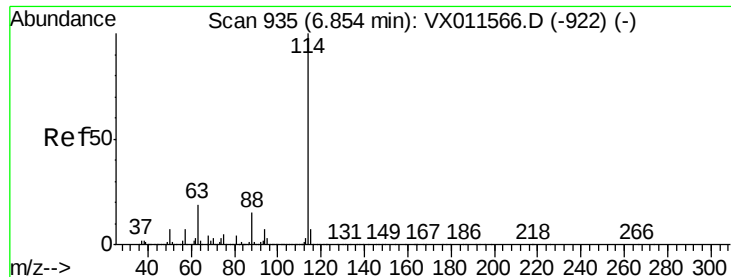


#33

1,2-Dichloroethane-d4
Concen: 54.515 ug/l
RT: 6.06 min Scan# 804
Delta R.T. -0.00 min
Lab File: VX011689.D
Acq: 20 Aug 2019 16:59

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	201593		
67	52.1		0.0	107.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.00 min

Lab File: VX011689.D

Acq: 20 Aug 2019 16:59

Instrument :

MSVOA_X

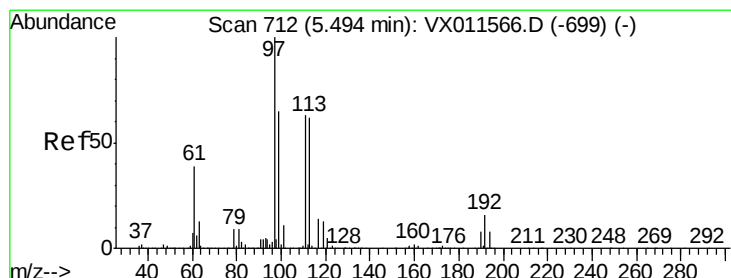
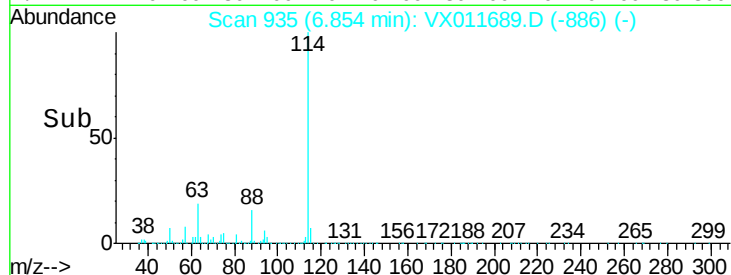
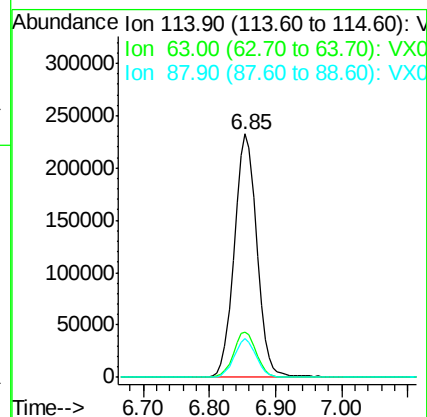
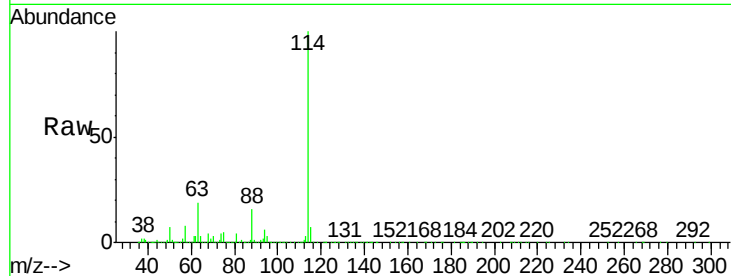
ClientSampleId :

TMW-02

Tot Ion:	114	Resp:	549576
Ion Ratio		Lower	Upper
114	100		
63	18.7	0.0	37.8
88	15.7	0.0	30.2

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#35

Dibromofluoromethane

Concen: 46.254 ug/l

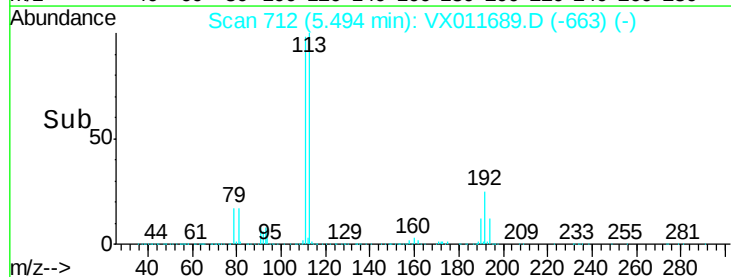
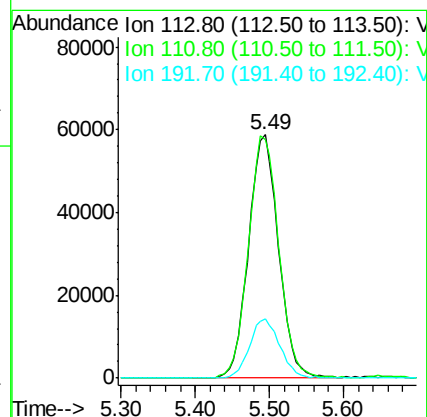
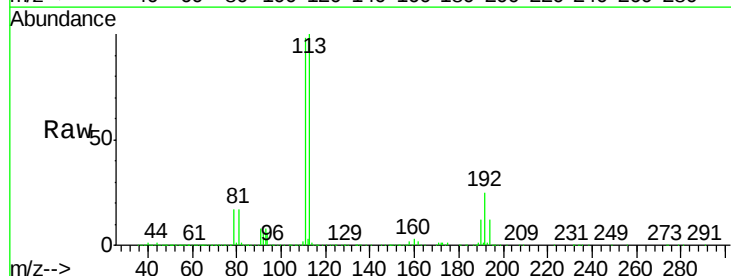
RT: 5.49 min Scan# 712

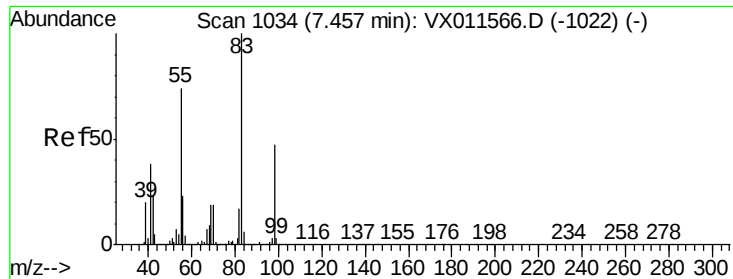
Delta R.T. -0.00 min

Lab File: VX011689.D

Acq: 20 Aug 2019 16:59

Tgt Ion:	113	Resp:	166262
Ion Ratio		Lower	Upper
113	100		
111	100.9	81.1	121.7
192	24.7	20.8	31.2





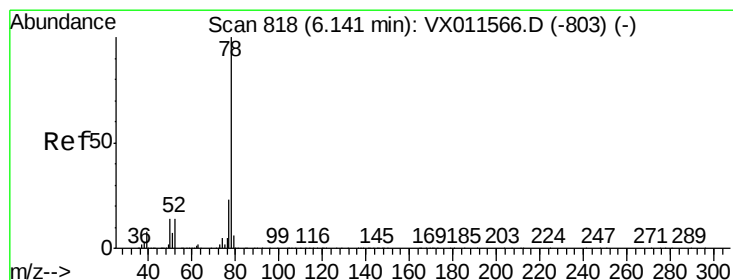
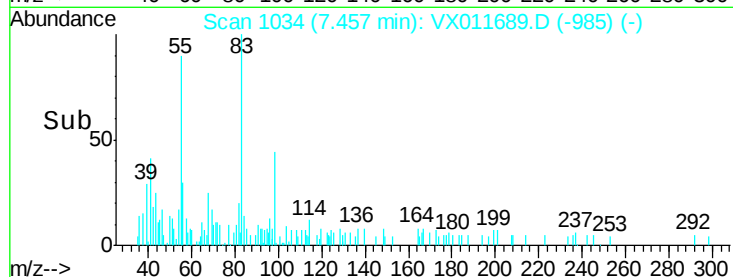
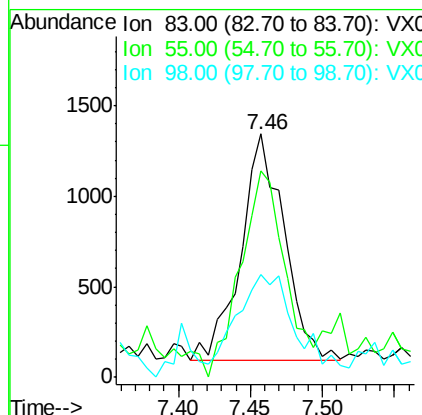
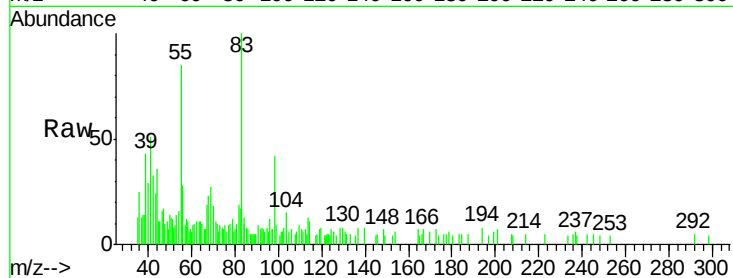
#39
Methvlcvclohexane
Concen: 0.453 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX011689.D
Acq: 20 Aug 2019 16:59

Instrument :
MSVOA_X
ClientSampleId :
TMW-02

Tot Ion:	83	Resp:	2627
Ion	Ratio	Lower	Upper
83	100		
55	79.4	58.8	88.2
98	39.7	37.8	56.6

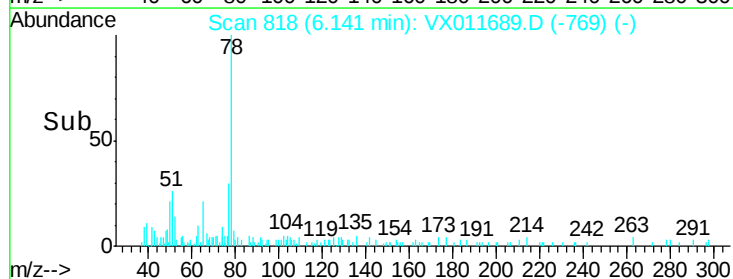
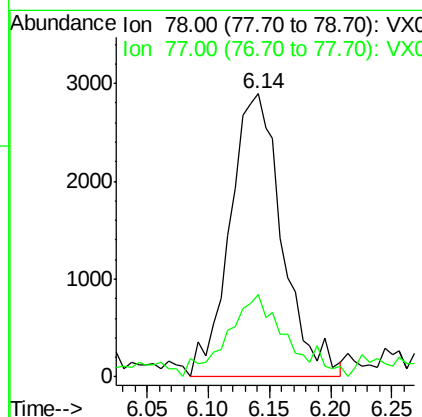
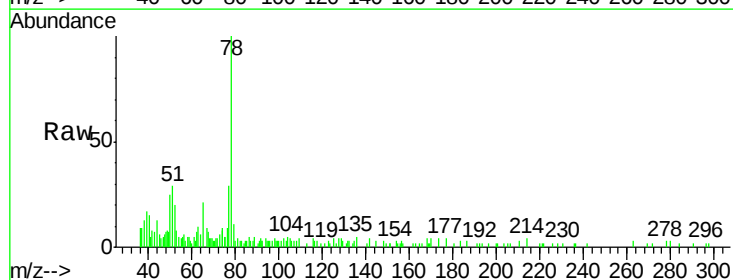
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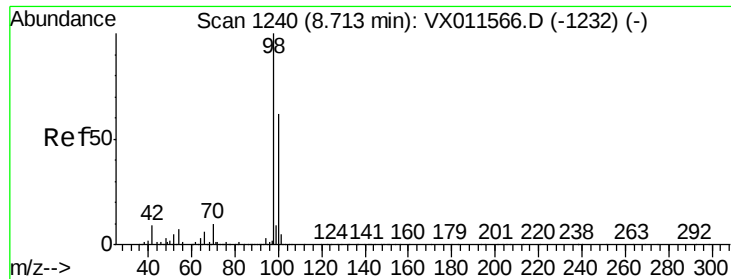
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#40
Benzene
Concen: 0.587 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX011689.D
Acq: 20 Aug 2019 16:59

Tgt Ion:	78	Resp:	8566
Ion	Ratio	Lower	Upper
78	100		
77	25.3	18.6	28.0





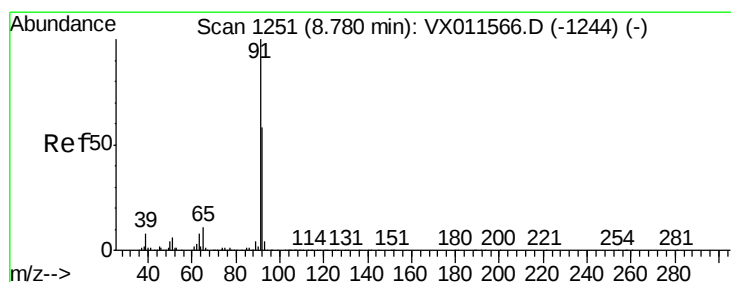
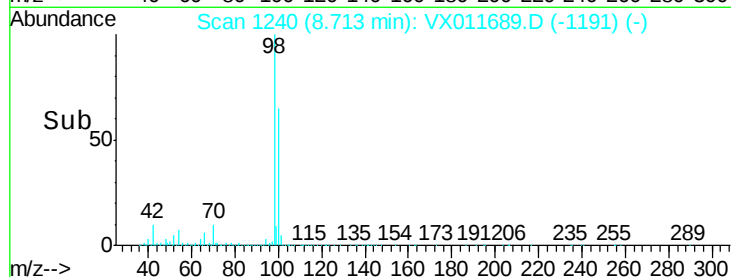
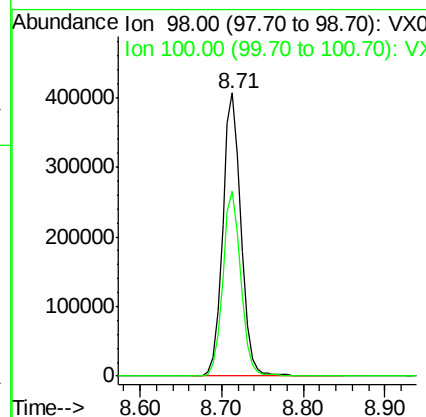
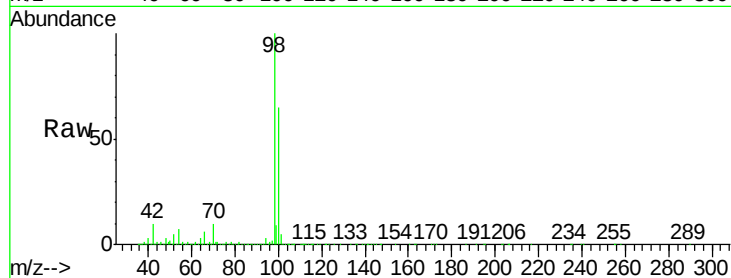
#50
Toluene-d8
Concen: 56.819 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011689.D
Acq: 20 Aug 2019 16:59

Instrument :
MSVOA_X
ClientSampleId :
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Tot Ion	98	100	Ratio	Lower	Upper
98	100				
100		65.0		52.4	78.6

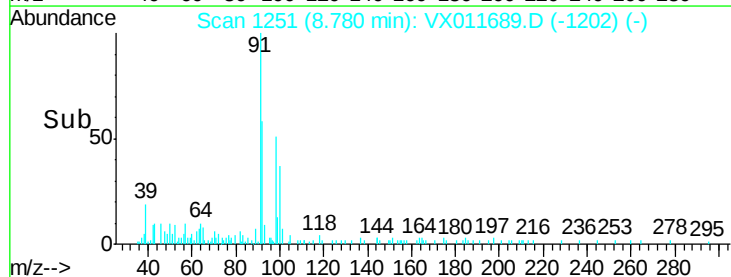
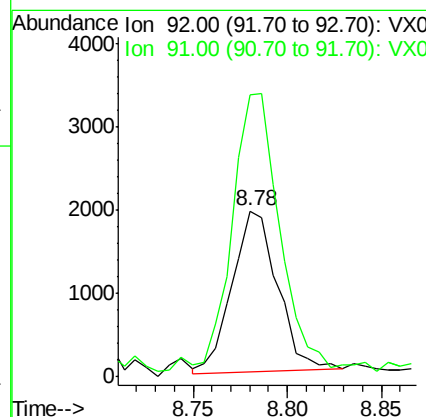
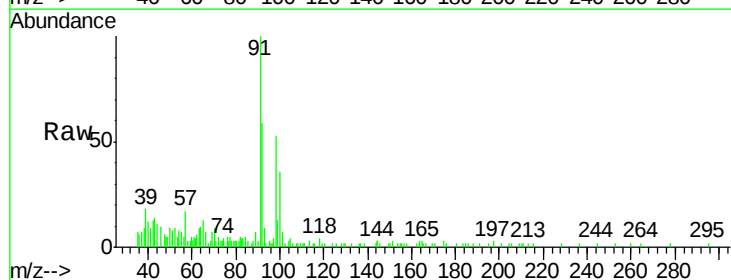
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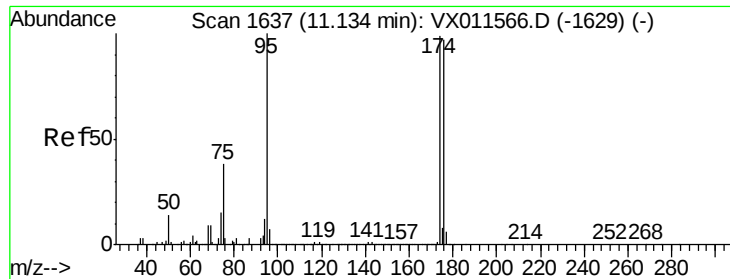
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#52
Toluene
Concen: 0.348 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VX011689.D
Acq: 20 Aug 2019 16:59

Tgt Ion	92	91	Ratio	Lower	Upper
92	100				
91		182.0		138.0	207.0





#62

4-Bromofluorobenzene

Concen: 46.944 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011689.D

Acq: 20 Aug 2019 16:59

Instrument :

MSVOA_X

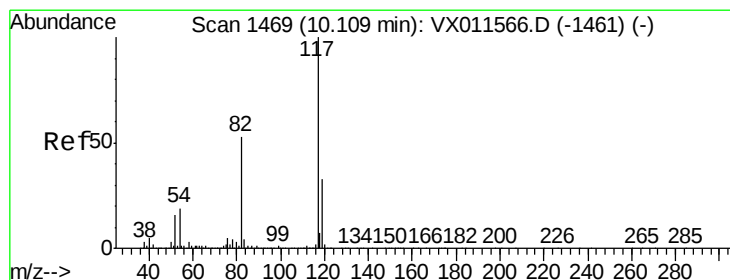
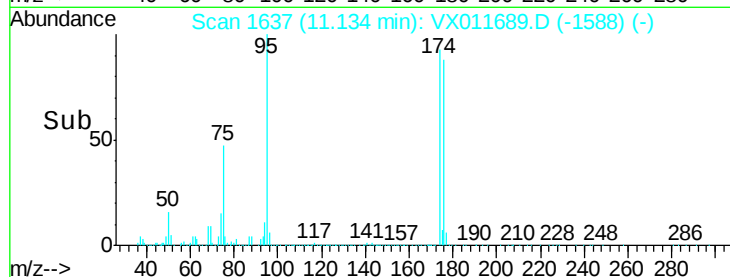
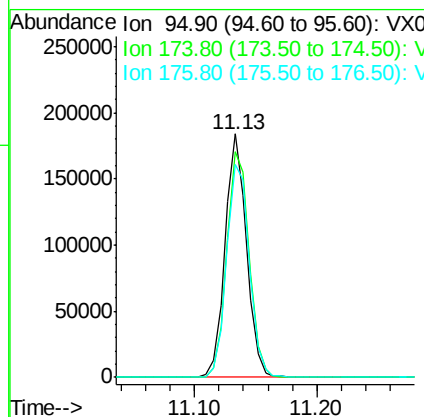
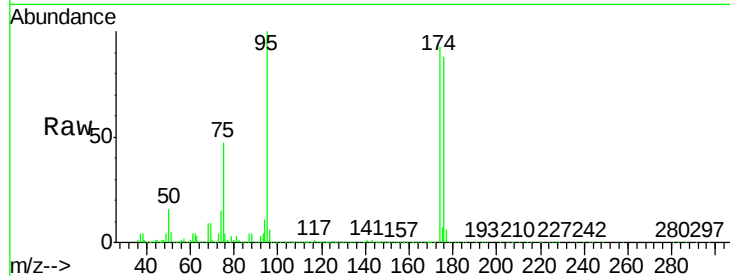
ClientSampleId :

TMW-02

Tot Ion:	95	Resp:	221925
Ion Ratio	Lower	Upper	
95	100		
174	97.7	0.0	200.6
176	92.8	0.0	196.6

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

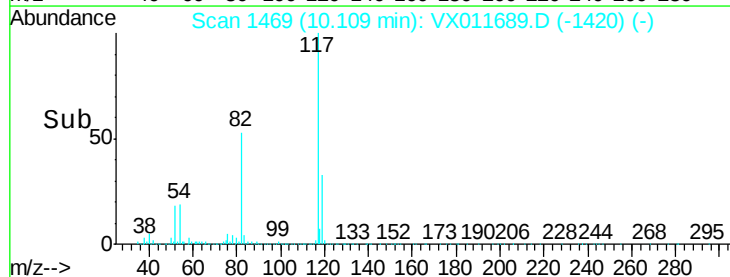
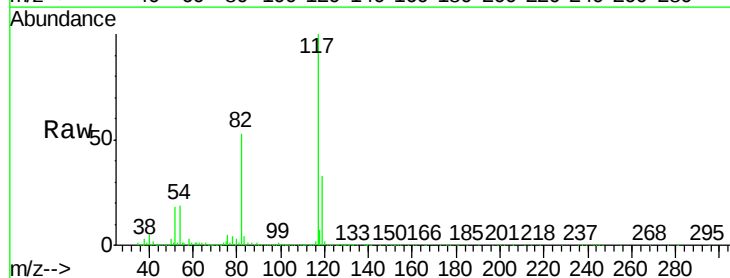
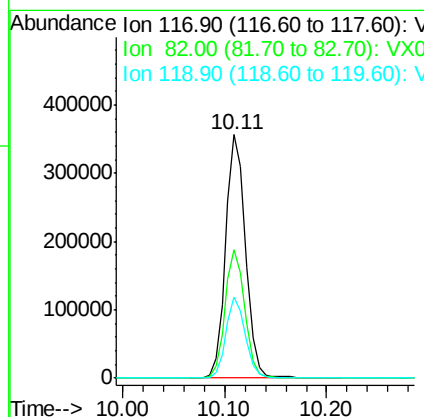
RT: 10.11 min Scan# 1469

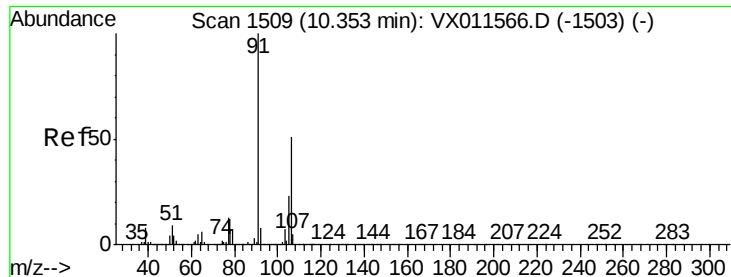
Delta R.T. -0.00 min

Lab File: VX011689.D

Acq: 20 Aug 2019 16:59

Tgt Ion:	117	Resp:	482326
Ion Ratio	Lower	Upper	
117	100		
82	53.0	42.0	63.0
119	33.1	26.5	39.7





#68

m/p-Xvlenes

Concen: 0.346 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VX011689.D

Acq: 20 Aug 2019 16:59

Instrument :

MSVOA_X

ClientSampled :

TMW-02

Tot Ion:106 Resp: 2281

Ion Ratio Lower Upper

106 100

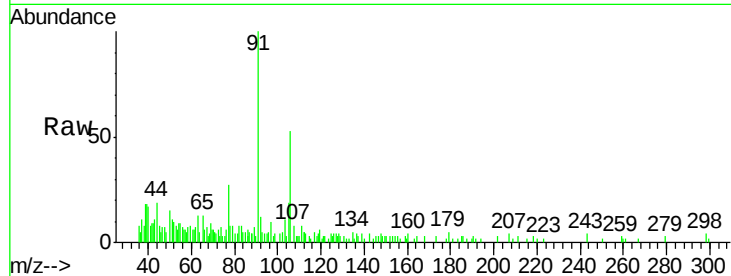
91 158.6 156.0 234.0

Manual Integrations

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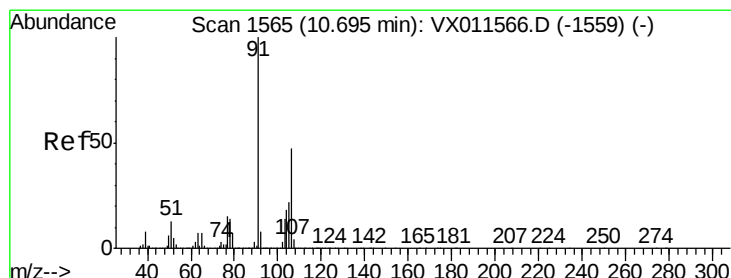
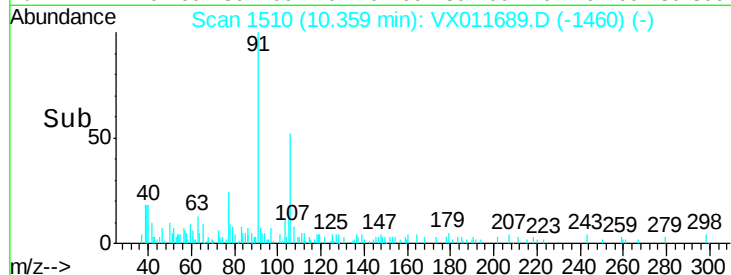
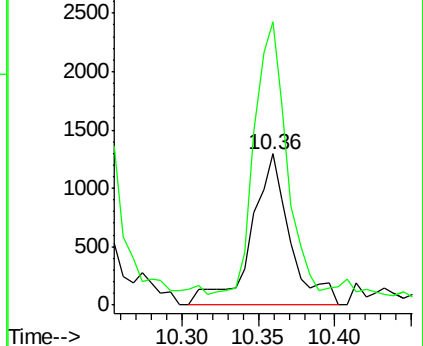
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 0.611 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VX011689.D

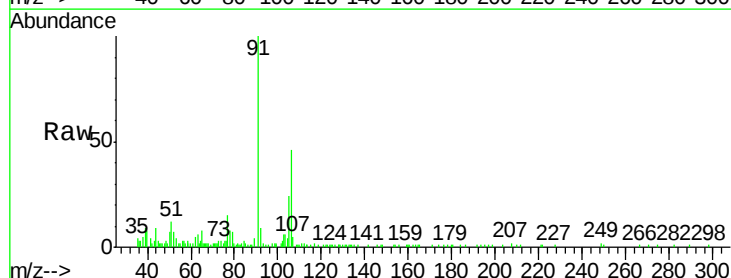
Acq: 20 Aug 2019 16:59

Tgt Ion:106 Resp: 3944

Ion Ratio Lower Upper

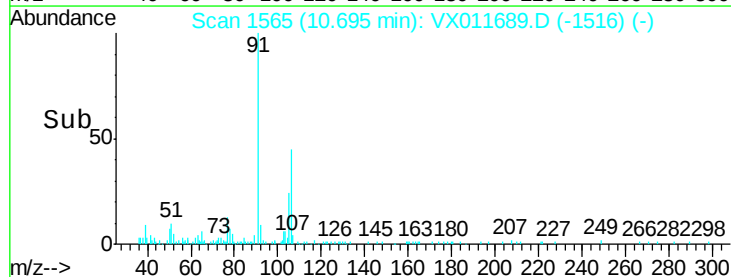
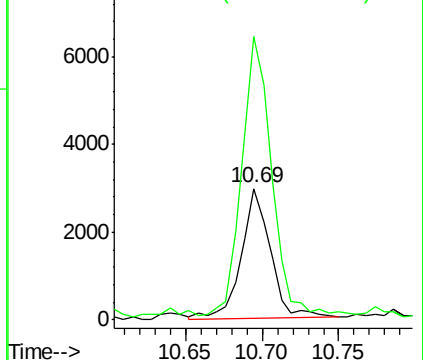
106 100

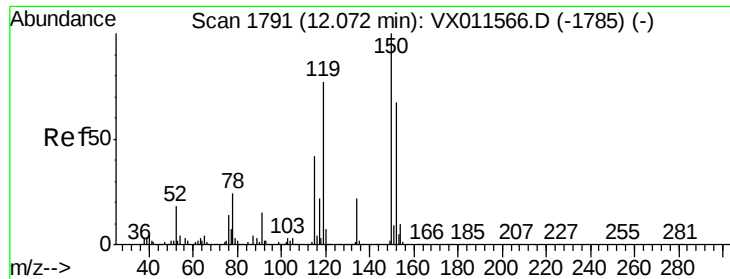
91 219.0 105.5 316.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX011689.D

Acq: 20 Aug 2019 16:59

Instrument :

MSVOA_X

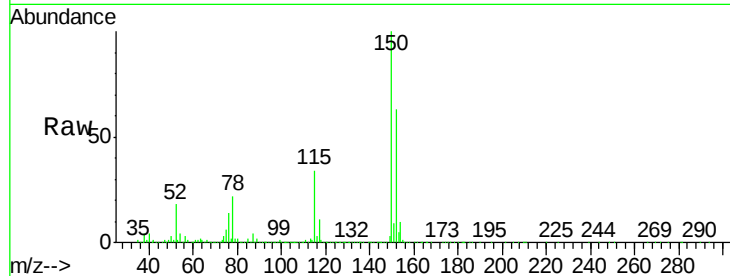
ClientSampleId :

TMW-02

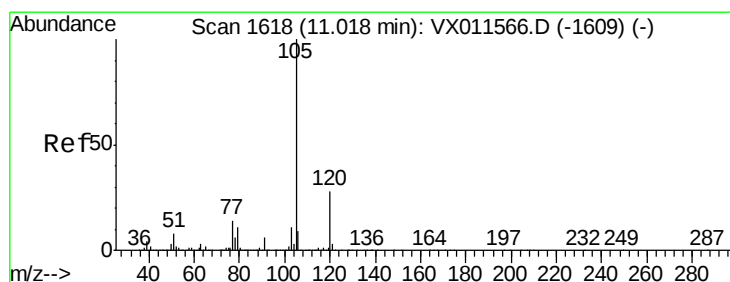
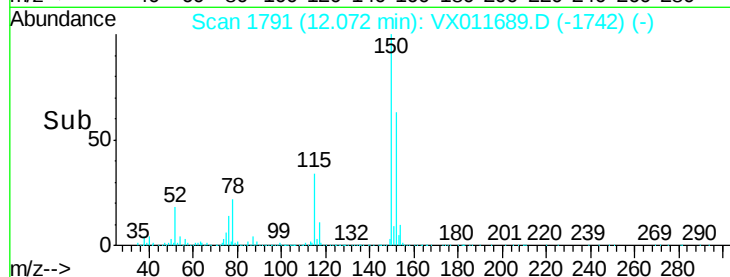
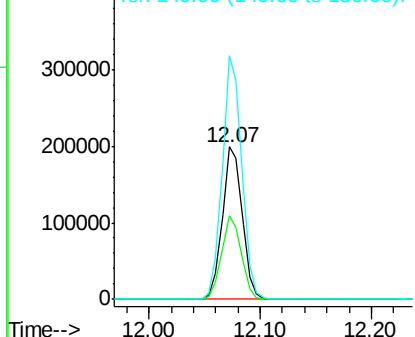
Tot Ion:	152	Resp:	246226
Ion Ratio	Lower	Upper	
152	100		
115	54.2	37.3	111.9
150	156.4	0.0	346.2

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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



#73

Isopropylbenzene

Concen: 0.415 ug/l

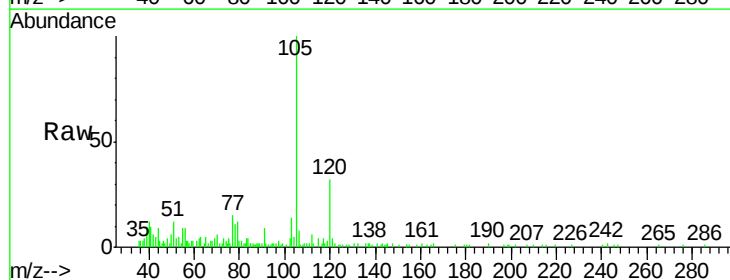
RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

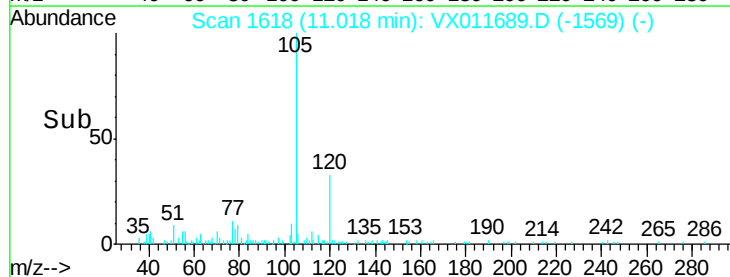
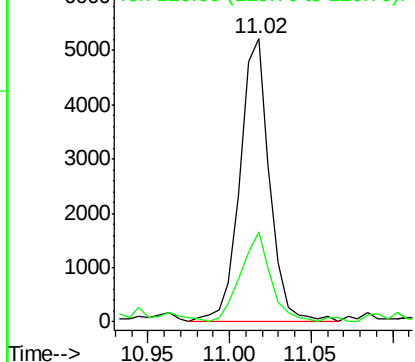
Lab File: VX011689.D

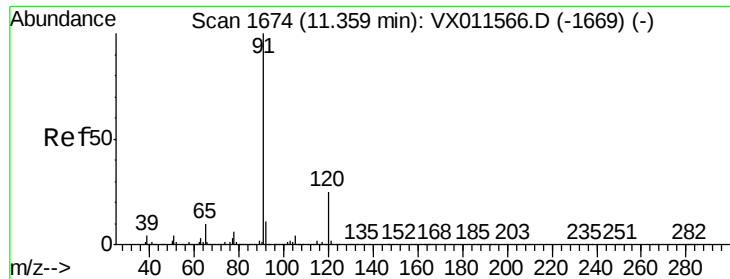
Acq: 20 Aug 2019 16:59

Tgt Ion:	105	Resp:	6637
Ion Ratio	Lower	Upper	
105	100		
120	32.2	14.0	41.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 0.515 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX011689.D

Acq: 20 Aug 2019 16:59

Instrument :

MSVOA_X

ClientSampled :

TMW-02

Tot Ion: 91 Resp: 8868

Ion Ratio Lower Upper

91 100

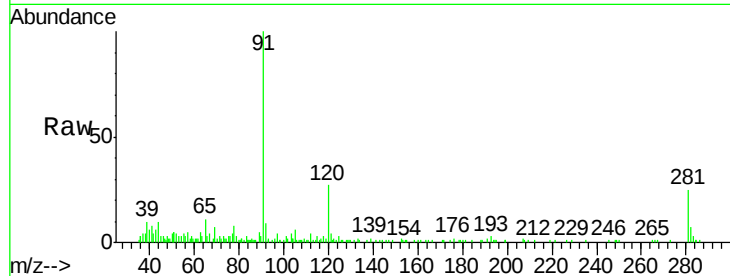
120 30.9 12.6 37.6

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Abundance Ion 91.00 (90.70 to 91.70): VX011566.D (-1669) (-)

Ion 120.00 (119.70 to 120.70): VX011566.D (-1669) (-)

11.36

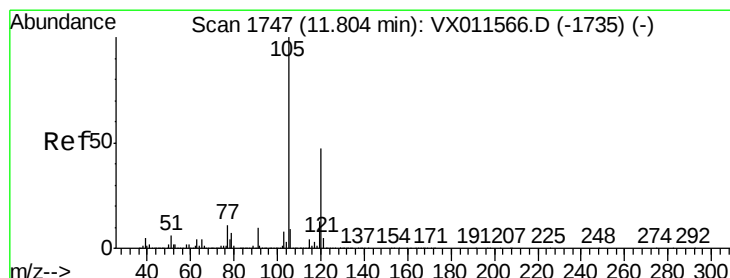
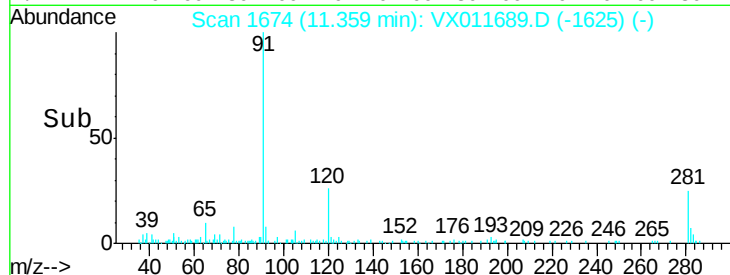
6000

4000

2000

0

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 0.298 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX011689.D

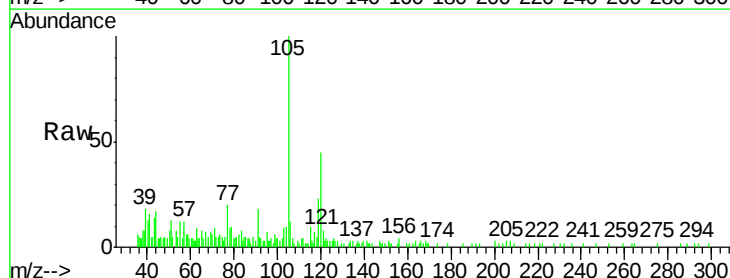
Acq: 20 Aug 2019 16:59

Tgt Ion: 105 Resp: 4011

Ion Ratio Lower Upper

105 100

120 47.1 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VX011566.D (-1735) (-)

Ion 120.00 (119.70 to 120.70): VX011566.D (-1735) (-)

11.80

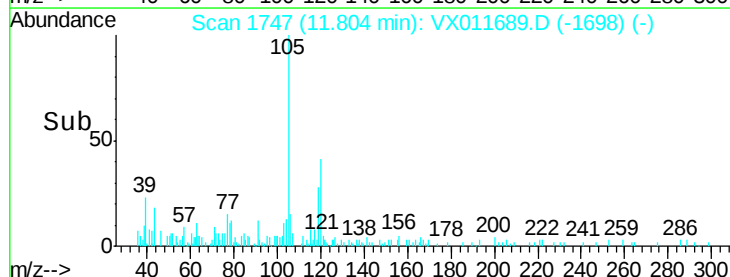
3000

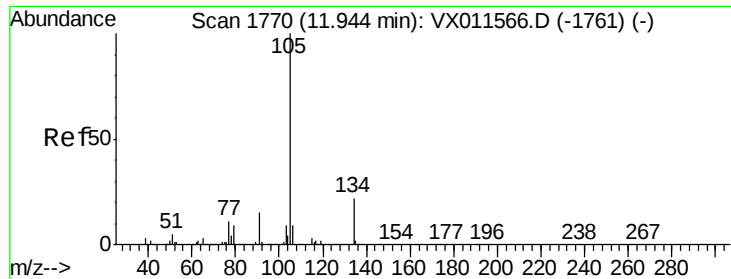
2000

1000

0

Time-->





#85

sec-Butylbenzene

Concen: 0.654 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011689.D

Acq: 20 Aug 2019 16:59

Instrument :

MSVOA_X

ClientSampleId :

TMW-02

Tot Ion: 105 Resp: 10079

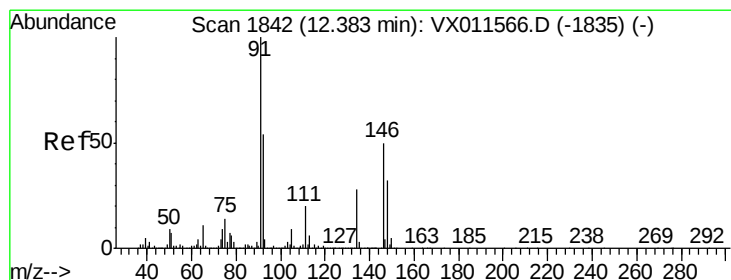
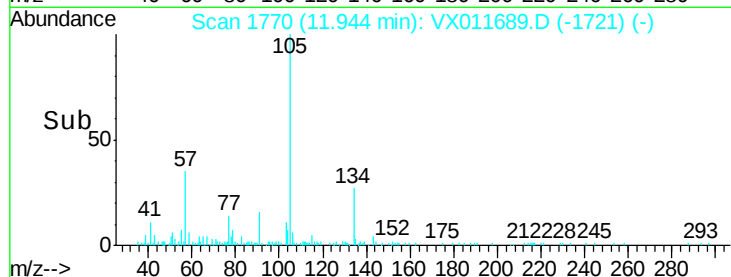
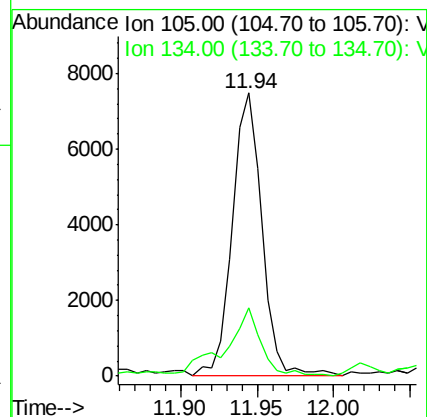
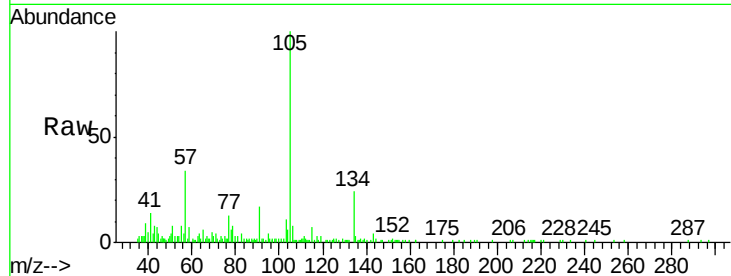
Ion Ratio Lower Upper

105 100

134 29.5 10.8 32.4

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#89

n-Butylbenzene

Concen: 0.353 ug/l m

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX011689.D

Acq: 20 Aug 2019 16:59

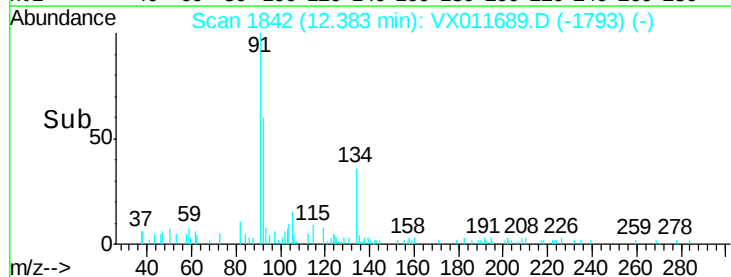
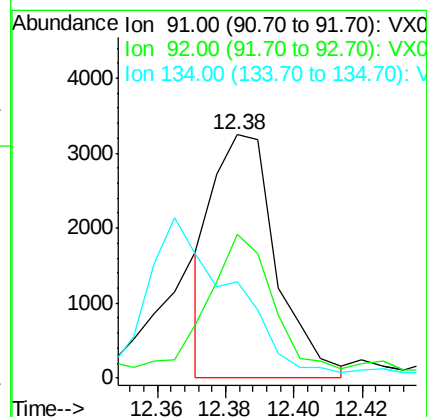
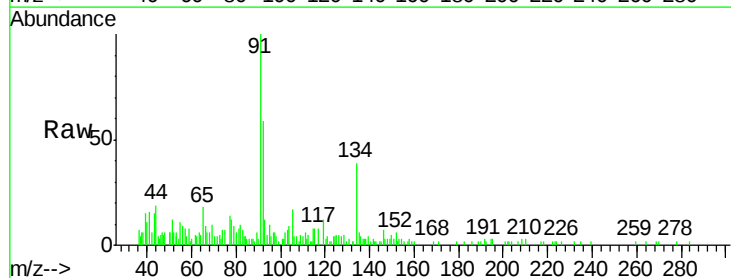
Tgt Ion: 91 Resp: 4208

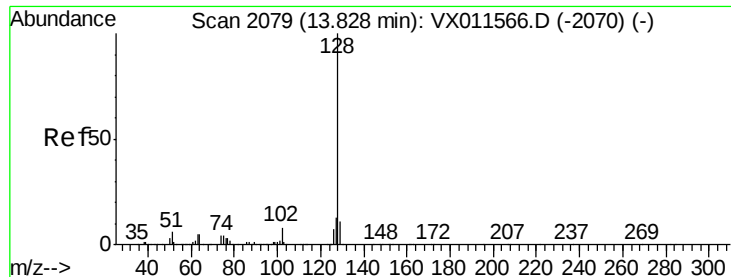
Ion Ratio Lower Upper

91 100

92 62.5 26.8 80.3

134 85.3 14.6 44.0#





#95
Naphthalene
Concen: 1.809 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.01 min
Lab File: VX011689.D
Acq: 20 Aug 2019 16:59

Instrument :
MSVOA_X
ClientSampleId :
TMW-02

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.3	15.5
129	13.9	8.7	13.1

Manual Integrations
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