

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060918\
 Data File : VX002430.D
 Acq On : 09 Jun 2018 19:16
 Operator : JC/MD
 Sample : J3394-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 W-41

Manual Integrations
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 6/11/2018 2:32:56 PM

Quant Time: Jun 22 11:39:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	217493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	313931	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	283641	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	148674	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	148760	47.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.34%	
35) Dibromofluoromethane	5.51	113	112467	45.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.12%	
50) Toluene-d8	8.72	98	449894	47.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.08%	
62) 4-Bromofluorobenzene	11.14	95	151613	41.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.10%	
Target Compounds						
31) Cyclohexane	5.57	56	8810	2.24	ug/l	98
39) Methylcyclohexane	7.46	83	8141	2.25	ug/l #	85
40) Benzene	6.14	78	3823	0.38	ug/l	94
52) Toluene	8.79	92	29611	4.60	ug/l	99
65) Chlorobenzene	10.14	112	15093	2.14	ug/l	95
68) m/p-Xylenes	10.37	106	7560	1.65	ug/l	96
73) Isopropylbenzene	11.02	105	32882	3.18	ug/l	99
78) n-propylbenzene	11.37	91	16909	1.47	ug/l	95
83) tert-Butylbenzene	11.77	119	12280	1.42	ug/l	93
85) sec-Butylbenzene	11.95	105	54191	5.35	ug/l	78
89) n-Butylbenzene	12.39	91	14477m	1.87	ug/l	

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

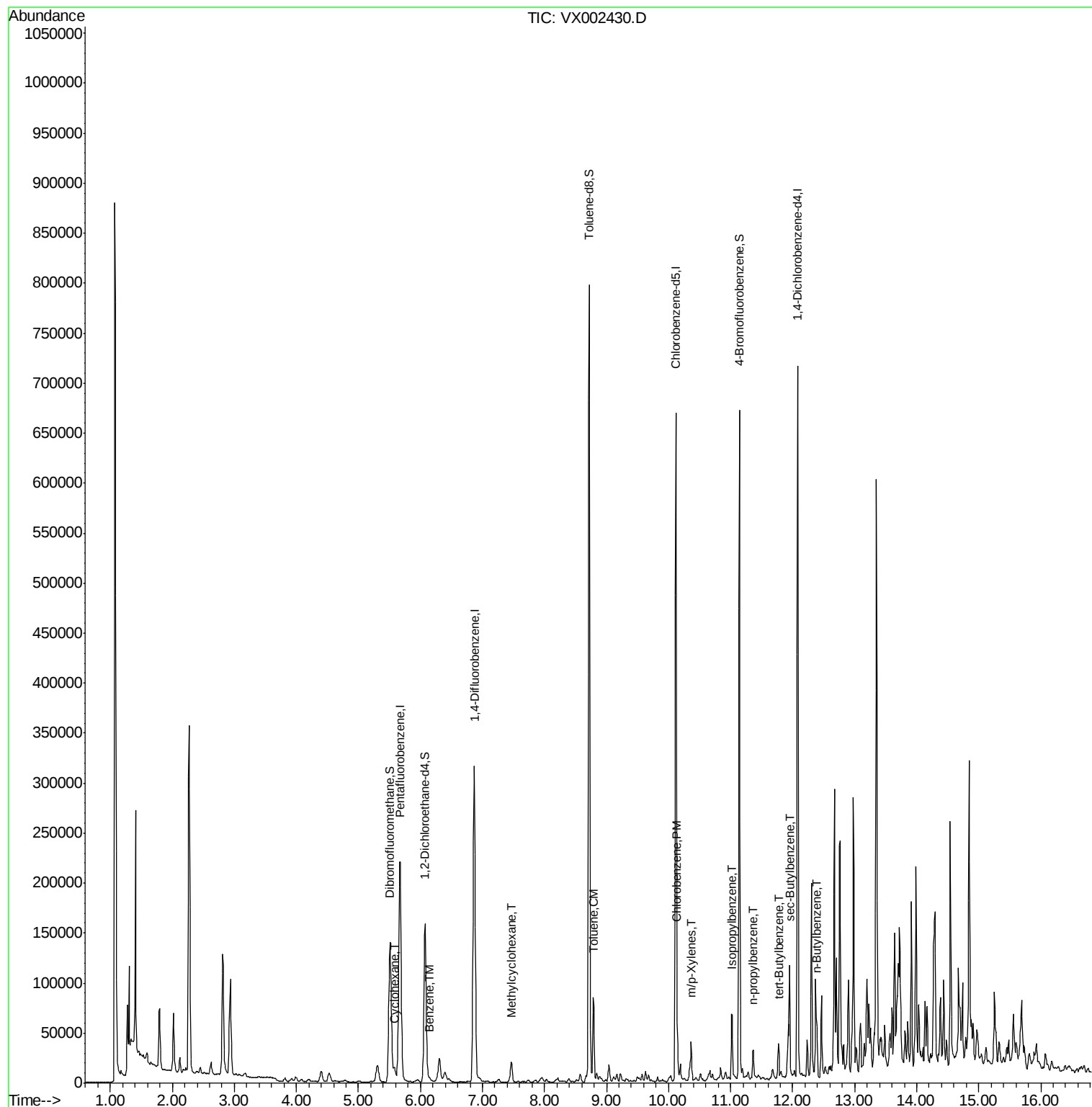
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060918\
Data File : VX002430.D
Acq On : 09 Jun 2018 19:16
Operator : JC/MD
Sample : J3394-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

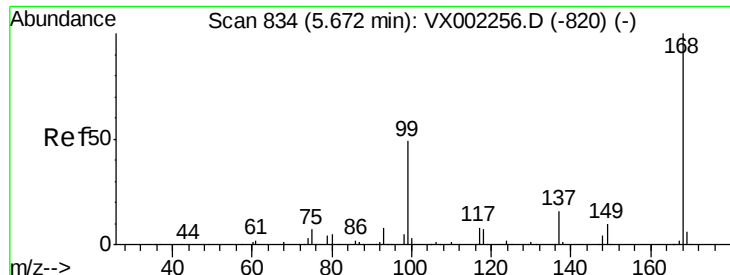
Instrument :
MSVOA_X
ClientSampleId :
W-41

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6/11/2018 2:32:56 PM

Quant Time: Jun 22 11:39:18 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002430.D

Acq: 09 Jun 2018 19:16

Instrument :

MSVOA_X

ClientSampled :

W-41

Tot Ion:168 Resp: 217493

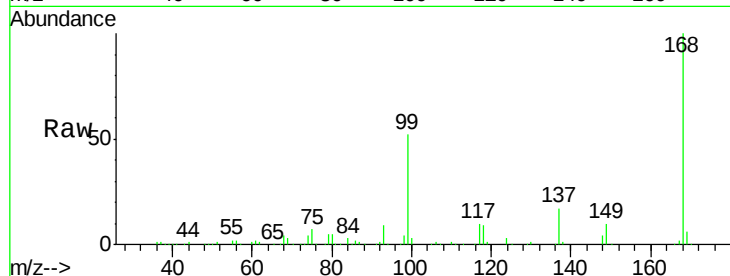
Ion Ratio Lower Upper

168 100

99 51.6 39.3 58.9

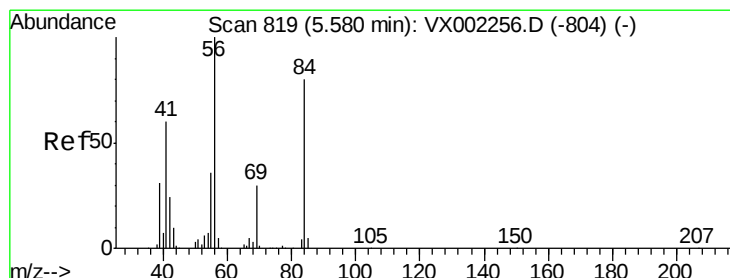
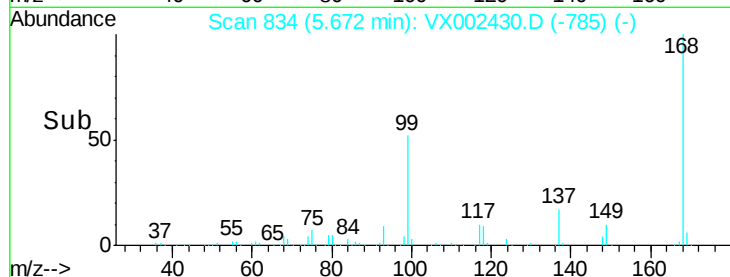
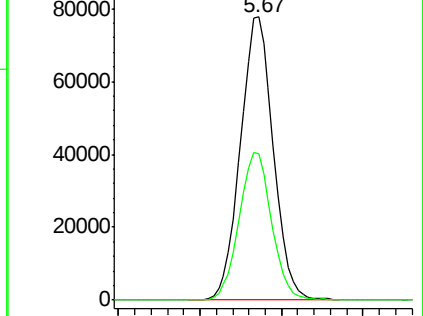
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#31

Cyclohexane

Concen: 2.24 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX002430.D

Acq: 09 Jun 2018 19:16

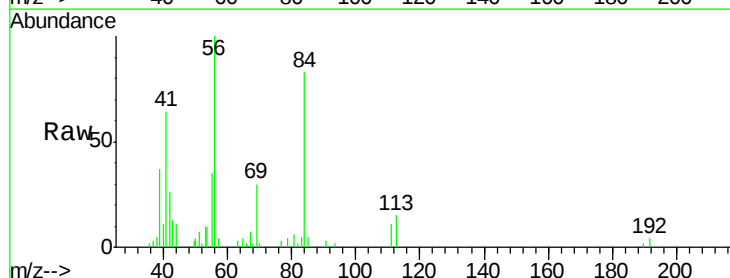
Tgt Ion: 56 Resp: 8810

Ion Ratio Lower Upper

56 100

69 29.8 23.7 35.5

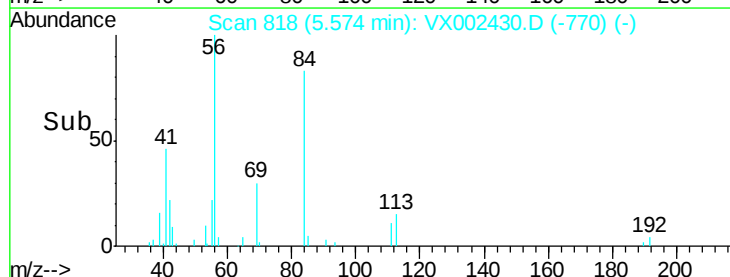
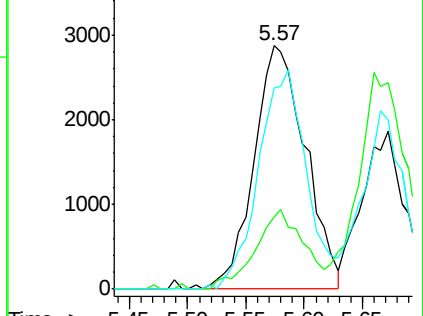
84 82.8 64.1 96.1



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: 47.67 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002430.D

Acq: 09 Jun 2018 19:16

Instrument :

MSVOA_X

ClientSampleId :

W-41

Tot Ion: 65 Resp: 148760

Ion Ratio Lower Upper

65 100

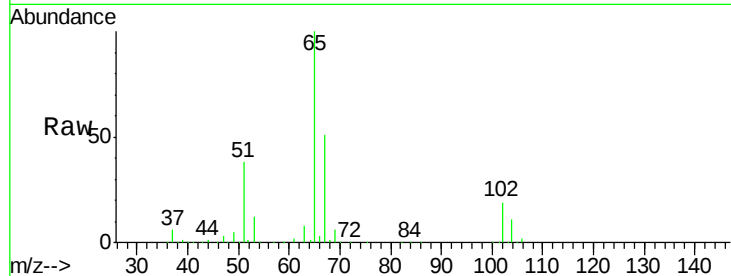
67 51.5 0.0 102.6

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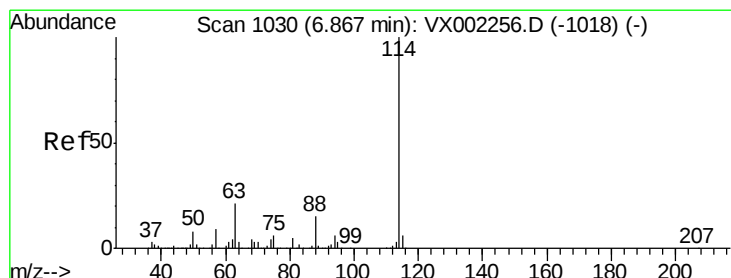
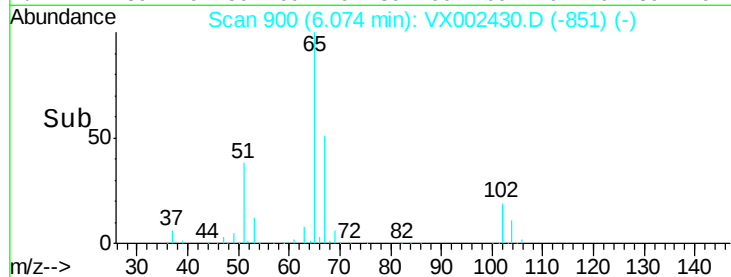
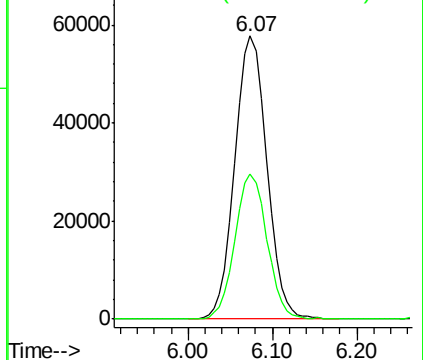
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002430.D

Acq: 09 Jun 2018 19:16

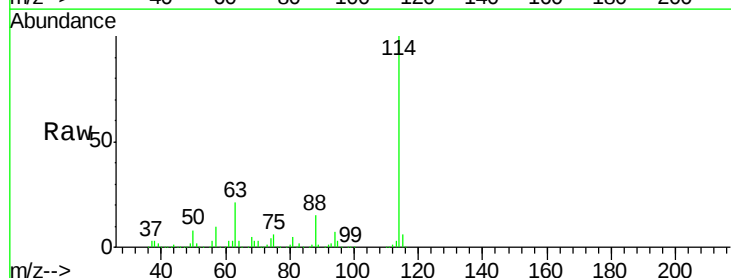
Tgt Ion: 114 Resp: 313931

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.4

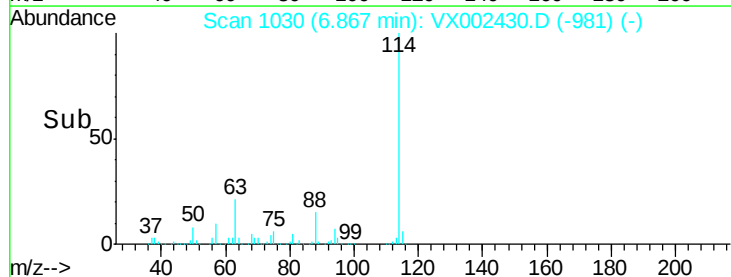
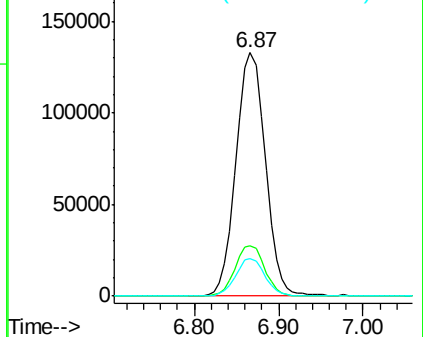
88 15.4 0.0 30.0

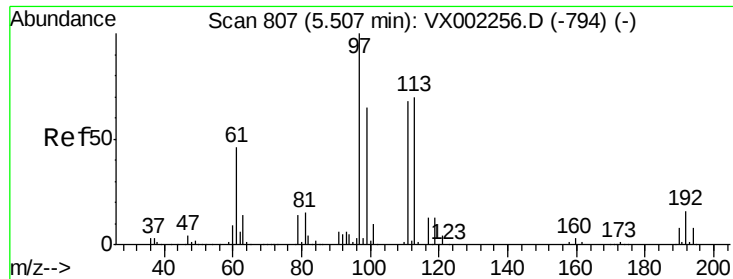


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 45.56 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002430.D

Acq: 09 Jun 2018 19:16

Instrument :

MSVOA_X

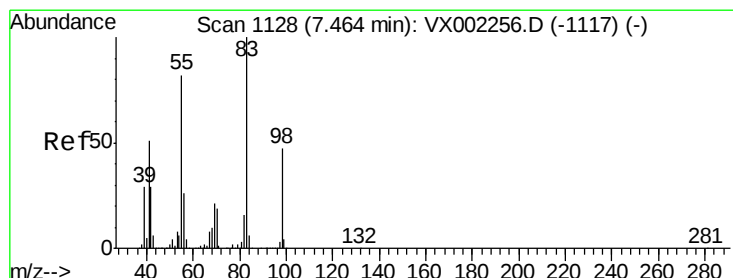
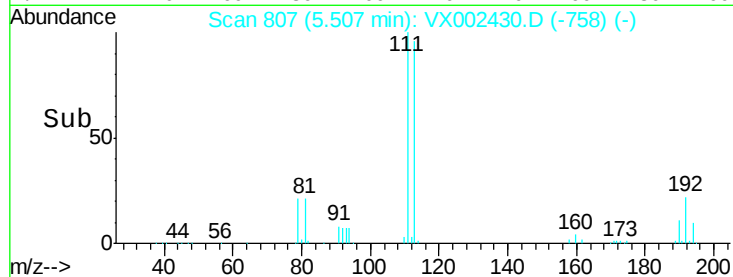
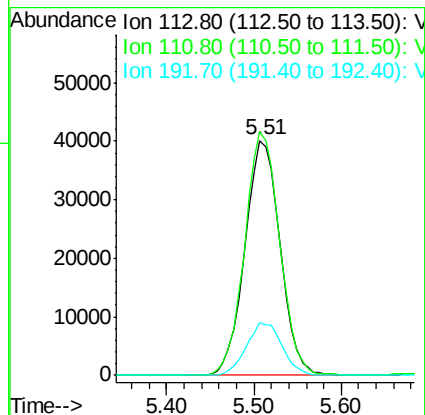
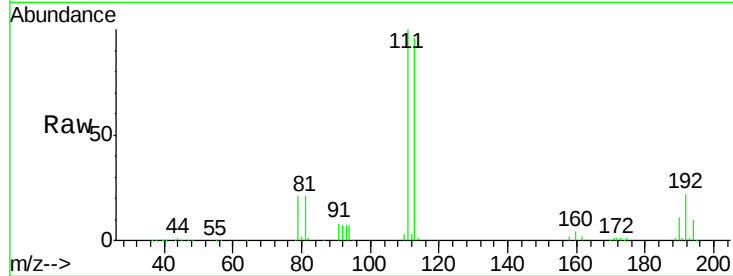
ClientSampled :

W-41

Tot Ion:	113	Resp:	112467
Ion Ratio	Lower	Upper	
113	100		
111	103.0	81.4	122.0
192	22.9	19.1	28.7

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#39

Methylcyclohexane

Concen: 2.25 ug/l

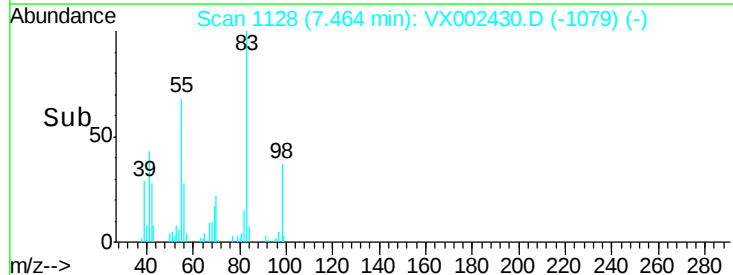
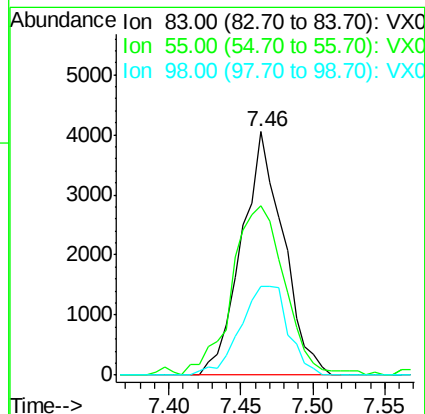
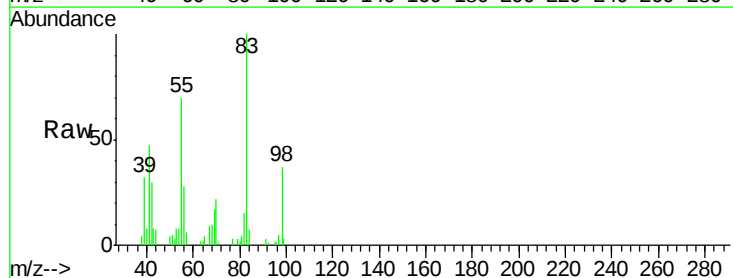
RT: 7.46 min Scan# 1128

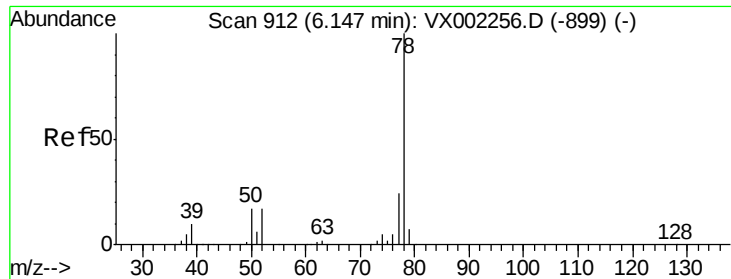
Delta R.T. -0.00 min

Lab File: VX002430.D

Acq: 09 Jun 2018 19:16

Tgt Ion:	83	Resp:	8141
Ion Ratio	Lower	Upper	
83	100		
55	67.9	65.4	98.0
98	36.6	37.4	56.0#





#40

Benzene

Concen: 0.38 ug/l

RT: 6.14 min Scan# 911

Delta R.T. -0.01 min

Lab File: VX002430.D

Acq: 09 Jun 2018 19:16

Instrument :

MSVOA_X

ClientSampled :

W-41

Tot Ion: 78 Resp: 3823

Ion Ratio Lower Upper

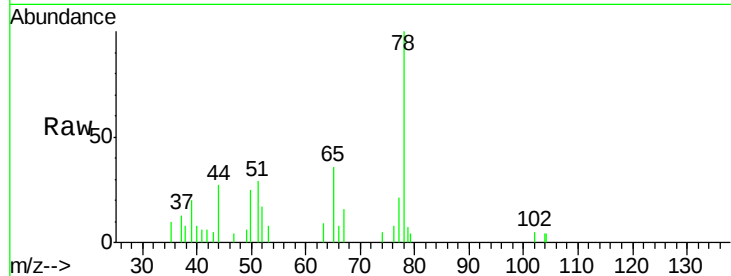
78 100

77 21.0 19.1 28.7

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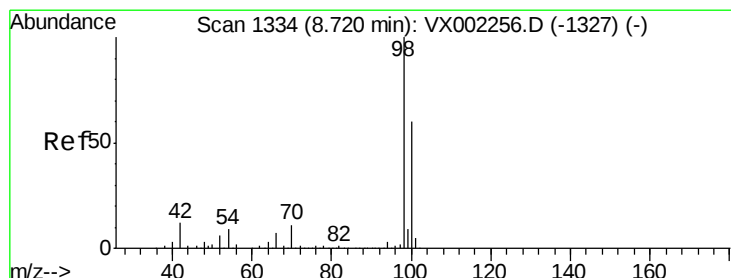
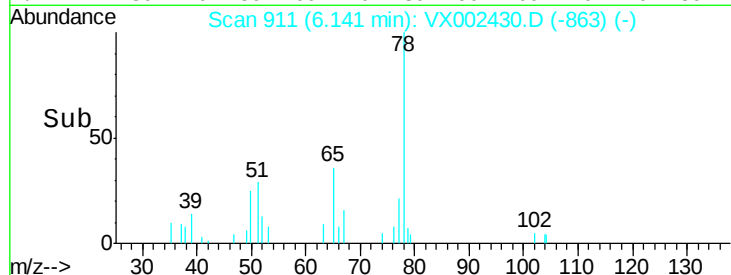
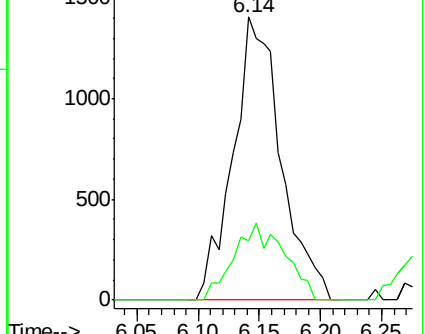
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Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 47.54 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX002430.D

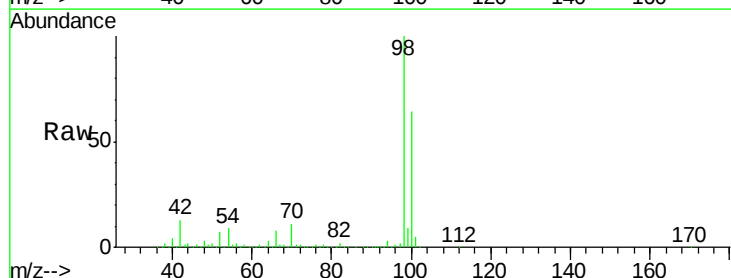
Acq: 09 Jun 2018 19:16

Tgt Ion: 98 Resp: 449894

Ion Ratio Lower Upper

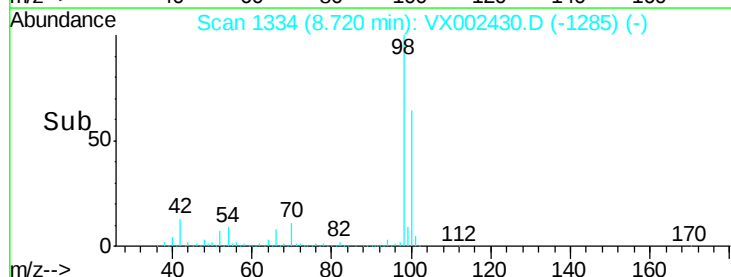
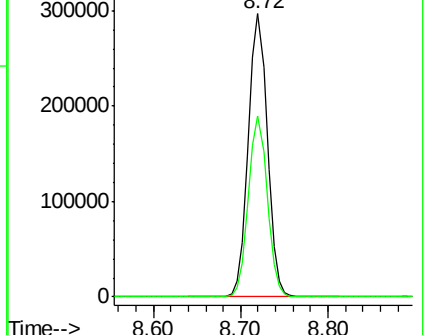
98 100

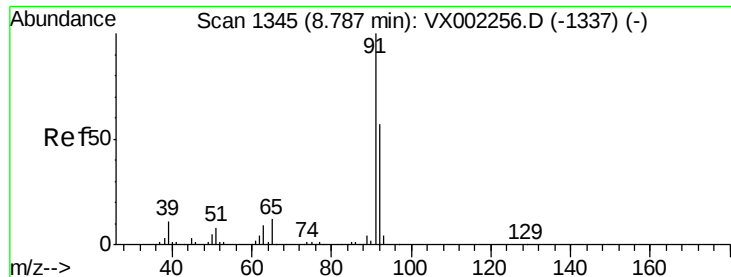
100 63.1 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 4.60 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002430.D

Acq: 09 Jun 2018 19:16

Instrument :

MSVOA_X

ClientSampleId :

W-41

Tot Ion: 92 Resp: 29611

Ion Ratio Lower Upper

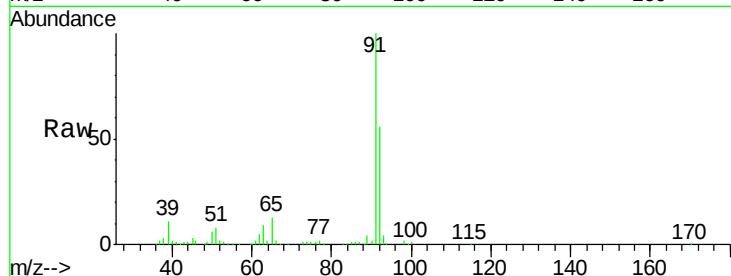
92 100

91 174.3 140.4 210.6

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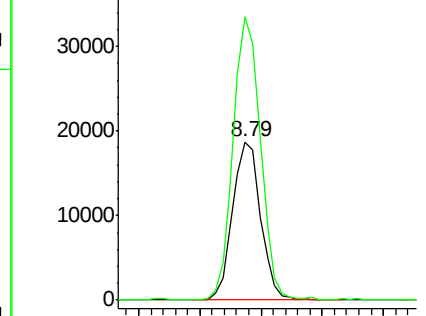
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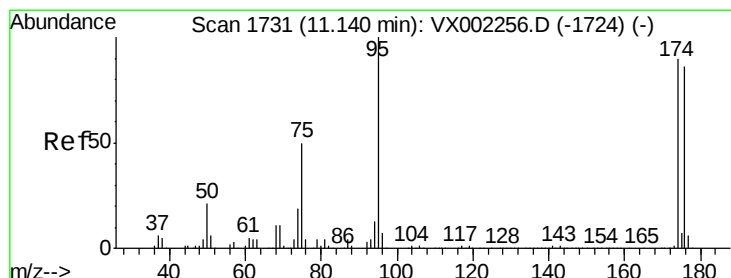
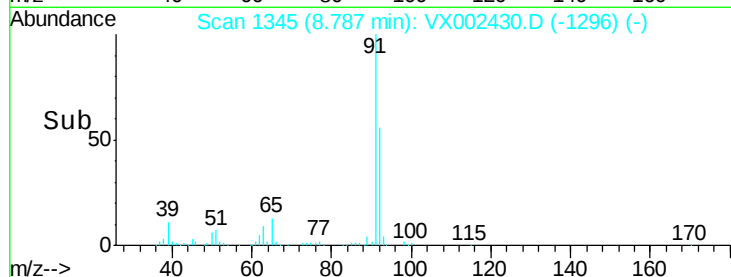


Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time--> 8.70 8.75 8.80 8.85 8.90



#62

4-Bromofluorobenzene

Concen: 41.55 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002430.D

Acq: 09 Jun 2018 19:16

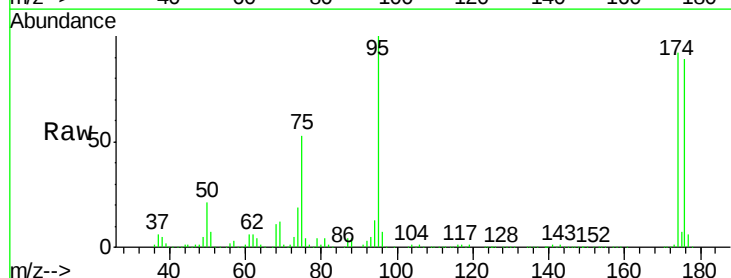
Tgt Ion: 95 Resp: 151613

Ion Ratio Lower Upper

95 100

174 94.3 0.0 187.4

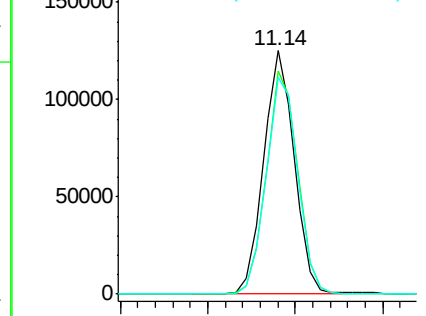
176 92.3 0.0 181.0



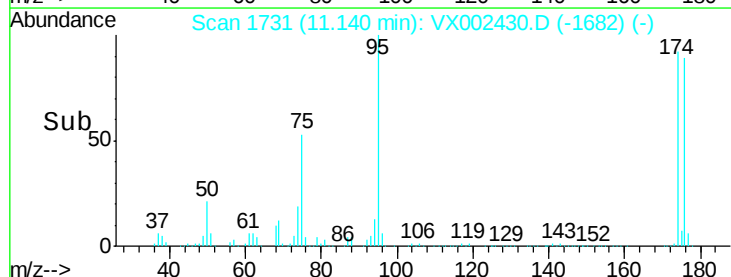
Abundance Ion 94.90 (94.60 to 95.60): VX0

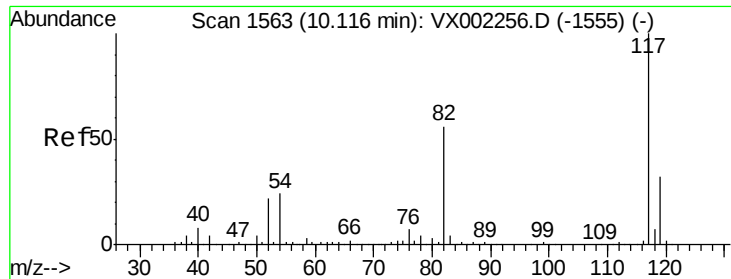
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time--> 11.05 11.10 11.15 11.20





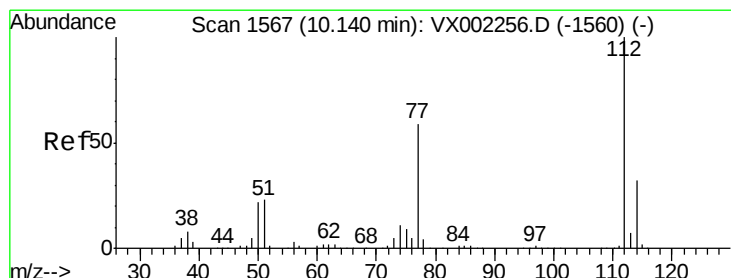
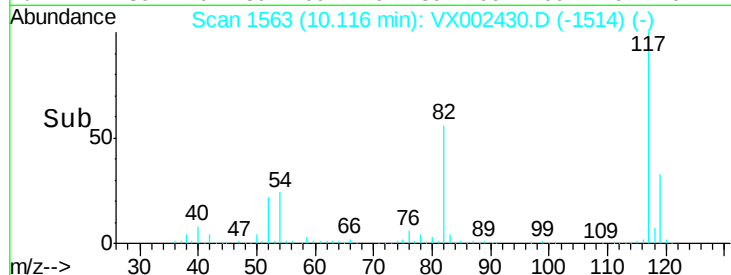
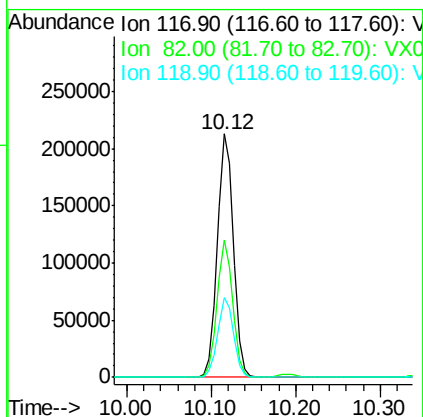
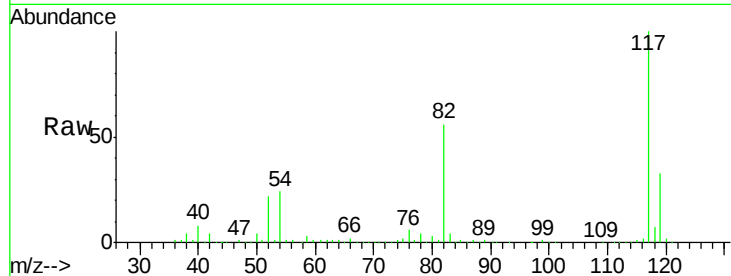
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002430.D
Acq: 09 Jun 2018 19:16

Instrument :
MSVOA_X
ClientSampled :
W-41

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	45.0	67.4
119	32.7	25.8	38.6

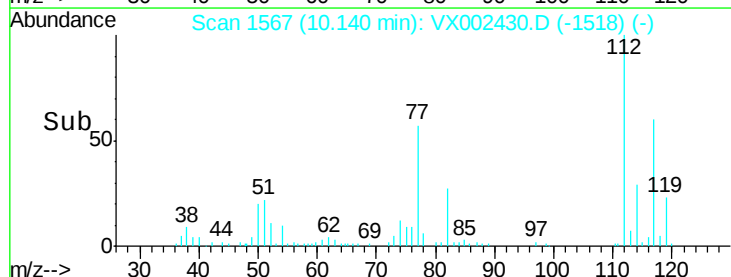
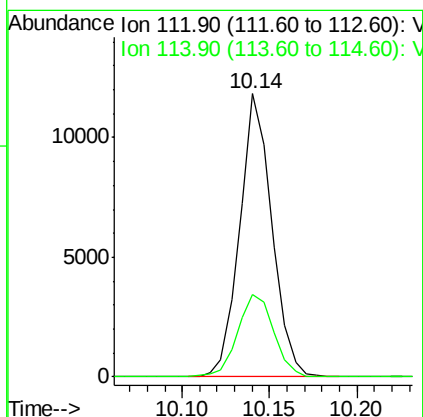
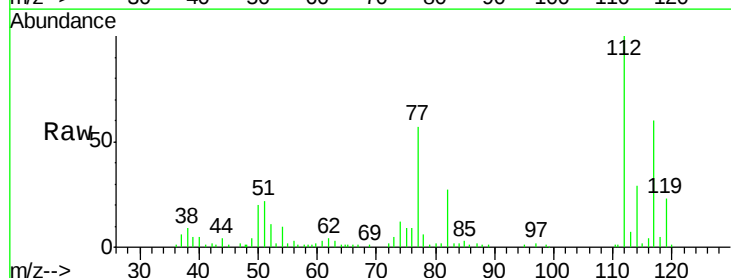
Manual Integrations
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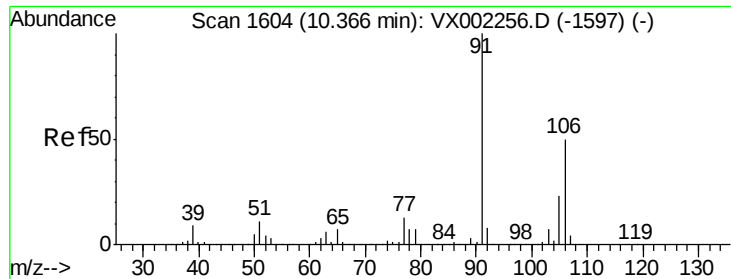
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#65
Chlorobenzene
Concen: 2.14 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002430.D
Acq: 09 Jun 2018 19:16

Tgt Ion	Ratio	Lower	Upper
112	100		
114	29.1	25.3	37.9





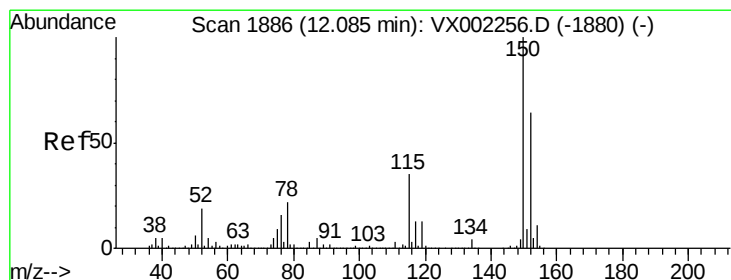
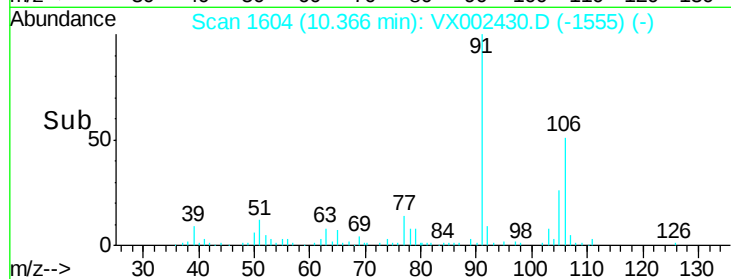
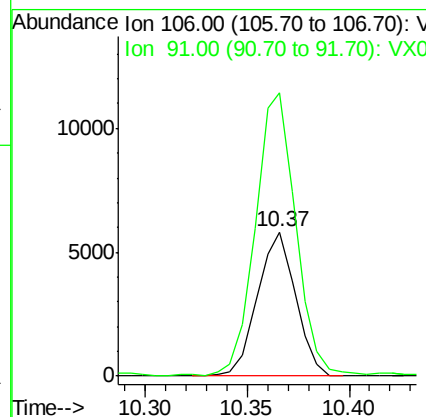
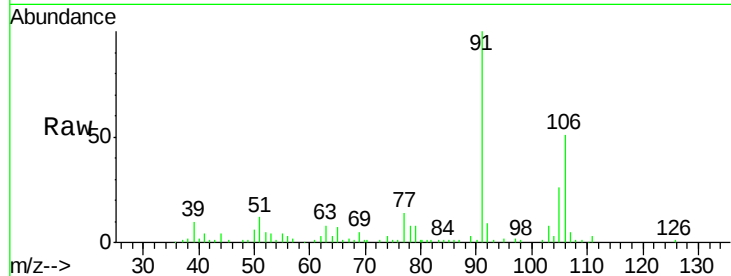
#68
m/p-Xvlenes
Concen: 1.65 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX002430.D
Acq: 09 Jun 2018 19:16

Instrument :
MSVOA_X
ClientSampled :
W-41

Tot Ion:106 Resp: 7560
Ion Ratio Lower Upper
106 100
91 210.9 163.4 245.2

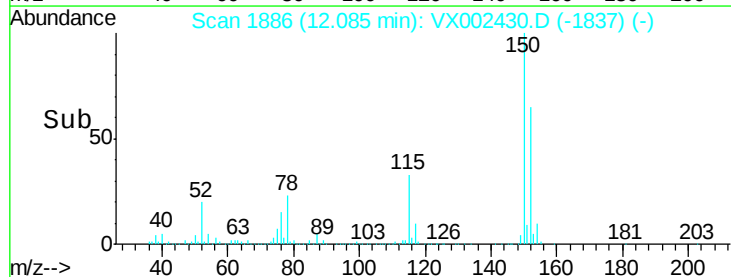
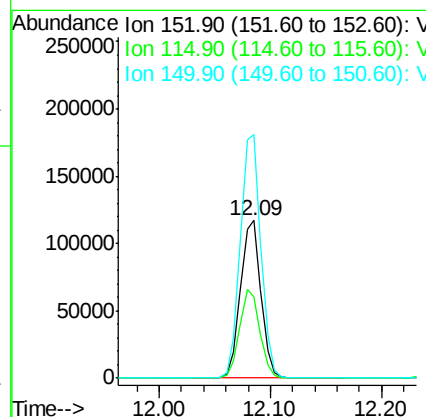
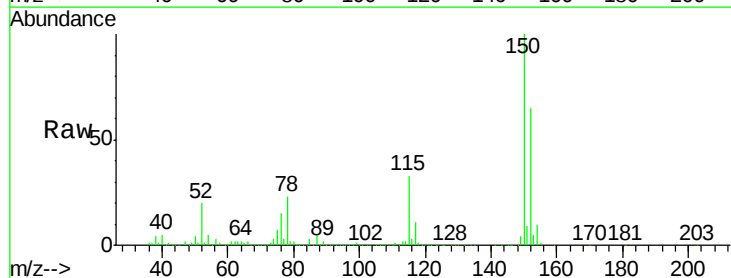
Manual Integrations
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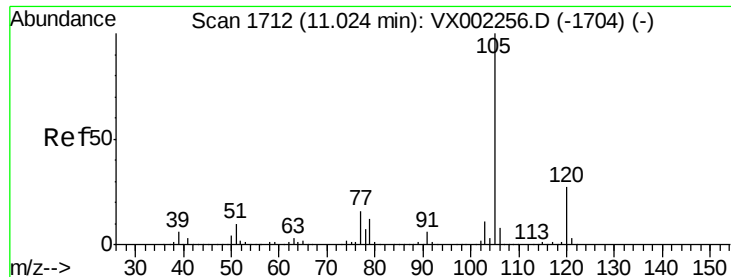
MMDadoda
6/11/2018 2:32:56 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002430.D
Acq: 09 Jun 2018 19:16

Tgt Ion:152 Resp: 148674
Ion Ratio Lower Upper
152 100
115 55.1 40.1 120.2
150 155.8 0.0 347.2





#73

Isopropylbenzene

Concen: 3.18 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002430.D

Acq: 09 Jun 2018 19:16

Instrument :

MSVOA_X

ClientSampled :

W-41

Tot Ion:105 Resp: 32882

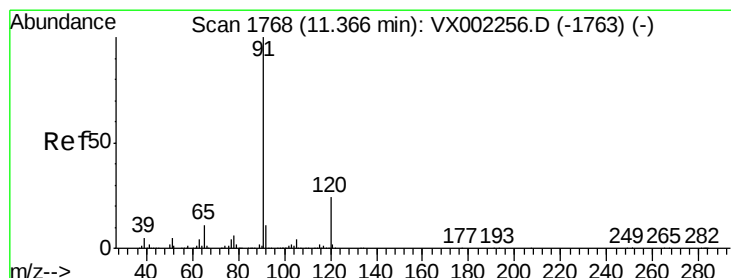
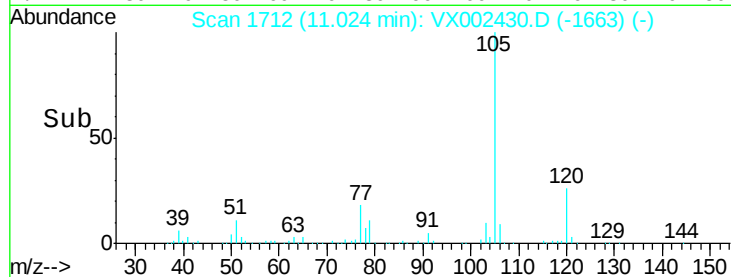
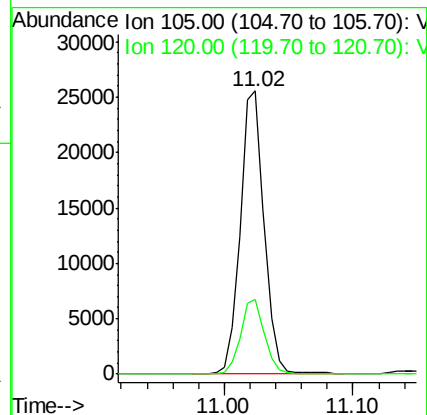
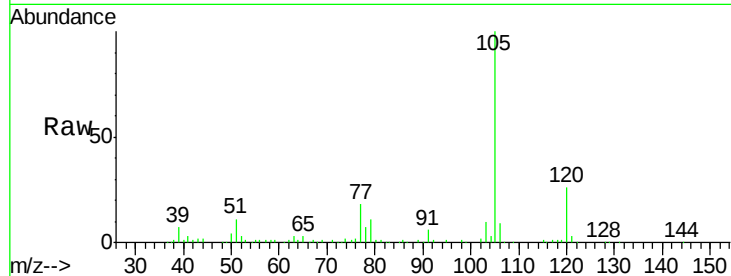
Ion Ratio Lower Upper

105 100

120 26.5 13.5 40.4

Manual Integrations
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#78

n-propylbenzene

Concen: 1.47 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002430.D

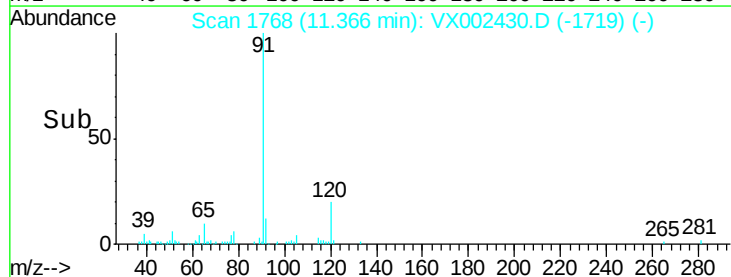
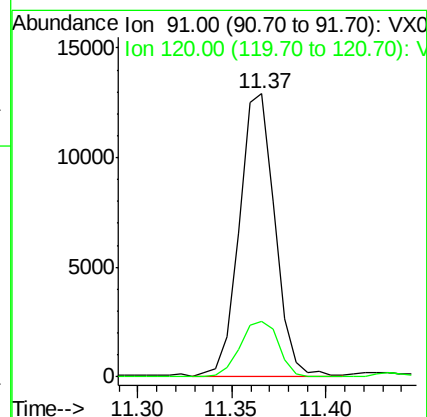
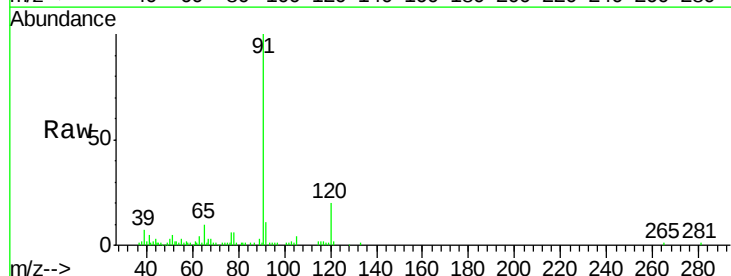
Acq: 09 Jun 2018 19:16

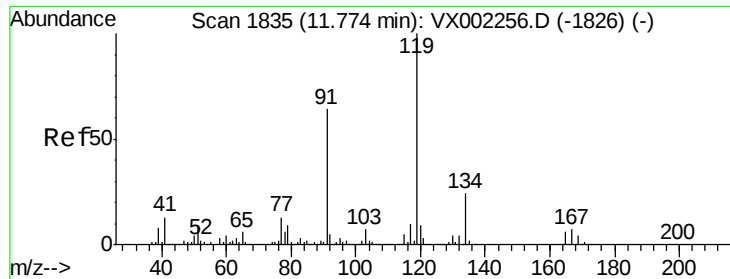
Tgt Ion: 91 Resp: 16909

Ion Ratio Lower Upper

91 100

120 21.2 11.8 35.4





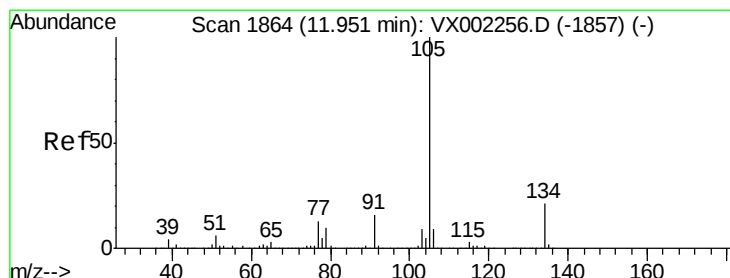
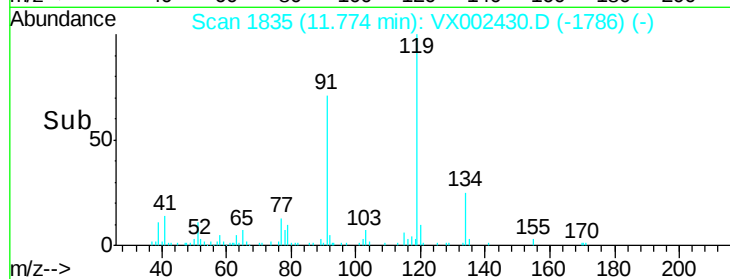
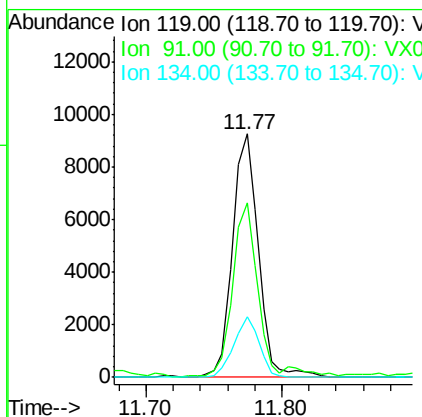
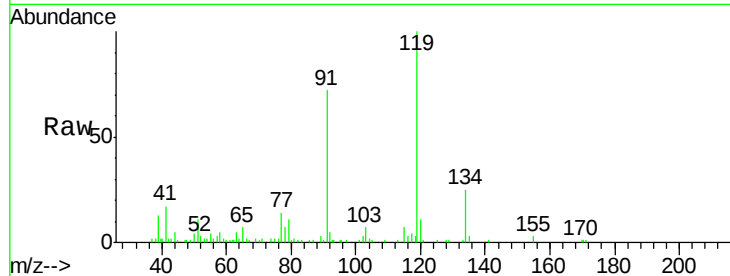
#83
tert-Butylbenzene
Concen: 1.42 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX002430.D
Acq: 09 Jun 2018 19:16

Instrument :
MSVOA_X
ClientSampled :
W-41

Tot Ion	Ratio	Resp	Lower	Upper
119	100	12280		
91	67.8	30.3	90.9	
134	24.1	11.7	35.1	

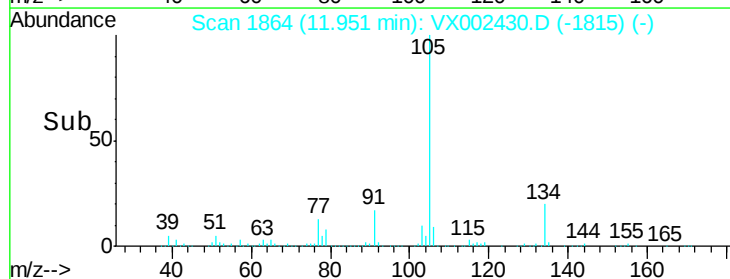
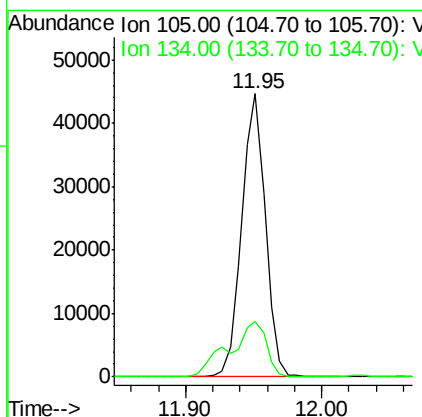
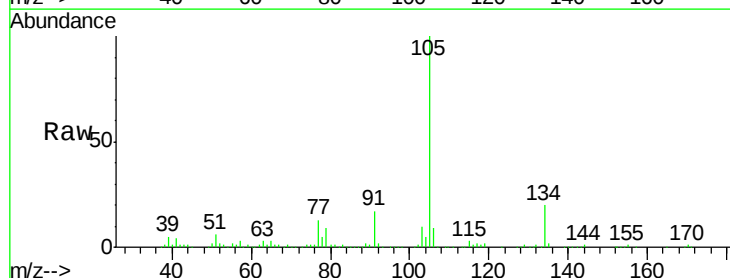
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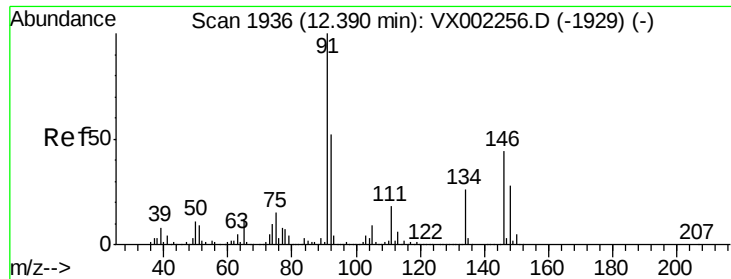
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#85
sec-Butylbenzene
Concen: 5.35 ug/l
RT: 11.95 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VX002430.D
Acq: 09 Jun 2018 19:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	54191		
134	31.0	10.4	31.1	





#89
n-Butylbenzene
Concen: 1.87 ug/l m
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX002430.D
Acq: 09 Jun 2018 19:16

Instrument :
MSVOA_X
ClientSampleId :
W-41

Tot Ion	Ratio	Lower	Upper
91	100		
92	61.9	26.0	78.0
134	98.8	13.5	40.5#

Manual Integrations
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