

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100818\
 Data File : VX005132.D
 Acq On : 08 Oct 2018 17:22
 Operator : JC/MD
 Sample : J5268-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Manual Integrations
 APPROVED

MMDadoda
 10/9/2018 1:47:48 PM

Quant Time: Oct 09 13:03:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	201674	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	308116	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	303658	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	182318	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	136687	47.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.90%	
35) Dibromofluoromethane	5.51	113	119020	45.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.16%	
50) Toluene-d8	8.72	98	453974	52.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.58%	
62) 4-Bromofluorobenzene	11.14	95	174025	55.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.28%	
Target Compounds						
16) Acetone	2.45	43	92080	54.75	ug/l	95
25) 2-Butanone	4.70	43	64840	26.15	ug/l	97
31) Cyclohexane	5.57	56	322531	87.99	ug/l #	90
39) Methylcyclohexane	7.46	83	301522	82.88	ug/l	86
40) Benzene	6.15	78	273503	24.52	ug/l	95
44) Trichloroethene	7.21	130	5829	2.13	ug/l	93
52) Toluene	8.79	92	306573	50.02	ug/l	98
67) Ethyl Benzene	10.26	91	5031145	406.98	ug/l	98
68) m/p-Xylenes	10.36	106	2009670	416.01	ug/l	97
69) o-Xylene	10.70	106	135564	30.55	ug/l	100
73) Isopropylbenzene	11.02	105	512298	44.58	ug/l	99
78) n-propylbenzene	11.36	91	923679	70.05	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	856942	81.49	ug/l	100
83) tert-Butylbenzene	11.77	119	10606	1.12	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	1375362	126.93	ug/l	100
85) sec-Butylbenzene	11.94	105	83287	7.23	ug/l	100
86) p-Isopropyltoluene	12.07	119	26448	2.53	ug/l #	77
89) n-Butylbenzene	12.39	91	68452m	7.22	ug/l	
95) Naphthalene	13.83	128	1582235	103.55	ug/l	100

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

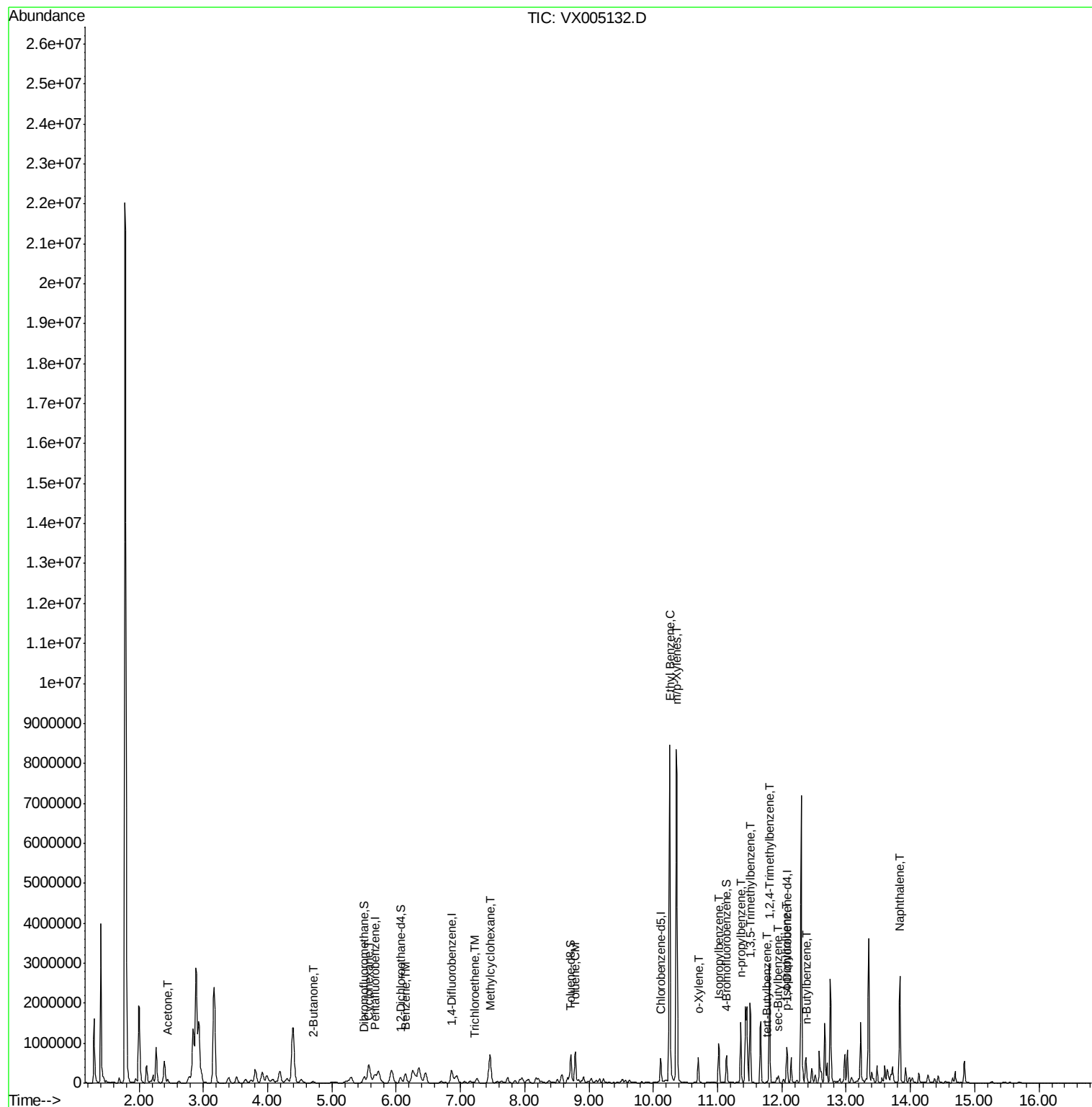
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX100818\
Data File : VX005132.D
Acq On : 08 Oct 2018 17:22
Operator : JC/MD
Sample : J5268-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

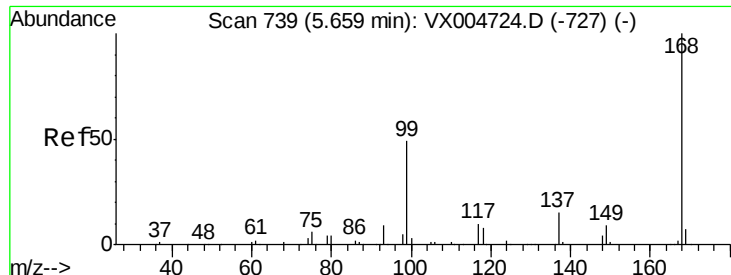
Instrument :
MSVOA_X
ClientSampleId :
MW-4

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Quant Time: Oct 09 13:03:21 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005132.D

Acq: 08 Oct 2018 17:22

Instrument :

MSVOA_X

ClientSampleId :

MW-4

Tgt Ion:168 Resp: 201674

Ion Ratio Lower Upper

168 100

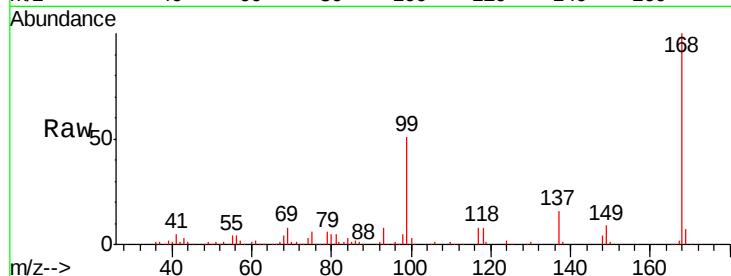
99 51.3 39.3 58.9

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

5.67

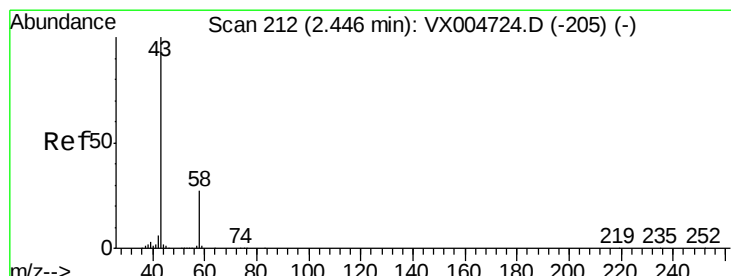
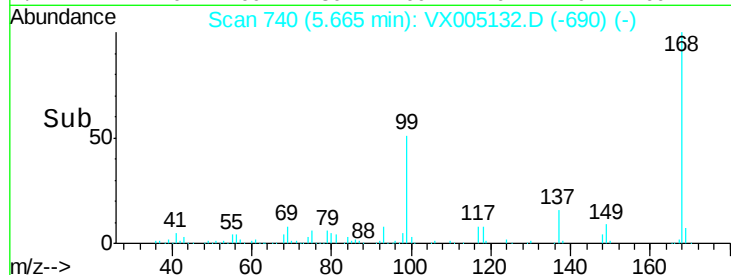
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 54.75 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005132.D

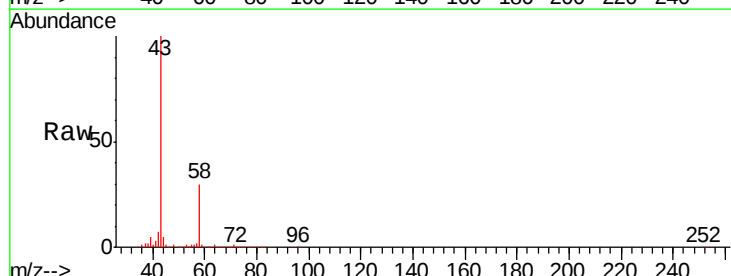
Acq: 08 Oct 2018 17:22

Tgt Ion: 43 Resp: 92080

Ion Ratio Lower Upper

43 100

58 29.7 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

120000

100000

80000

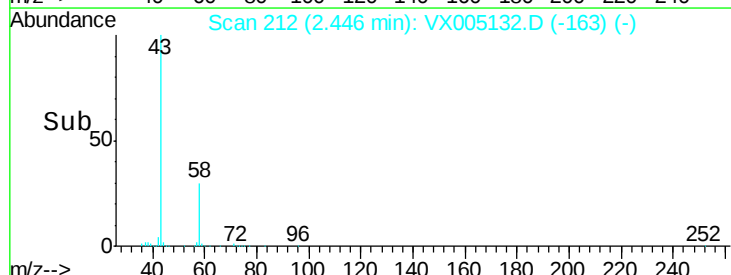
60000

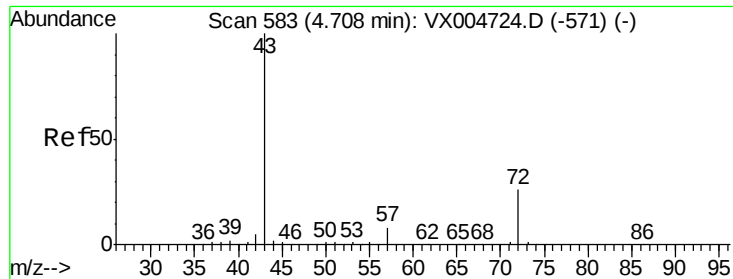
40000

20000

0

Time--> 2.40 2.45 2.50 2.60





#25

2-Butanone

Concen: 26.15 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005132.D

Acq: 08 Oct 2018 17:22

Instrument :

MSVOA_X

ClientSampled :

MW-4

Tgt Ion: 43 Resp: 64840

Ion Ratio Lower Upper

43 100

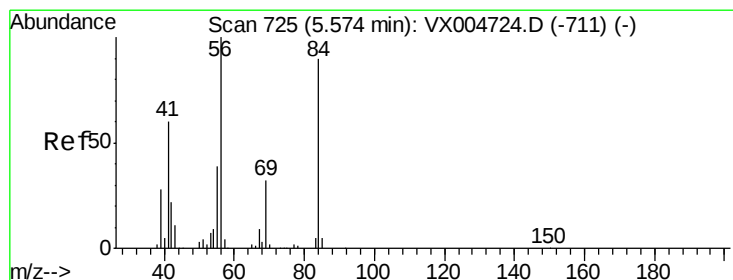
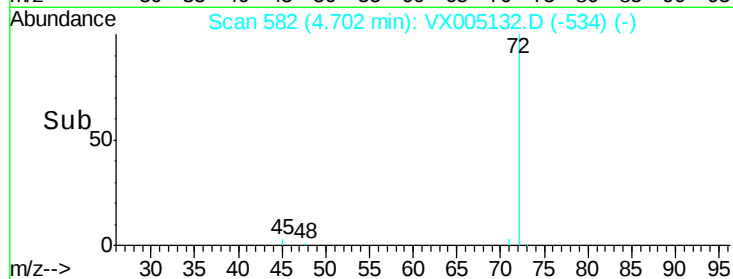
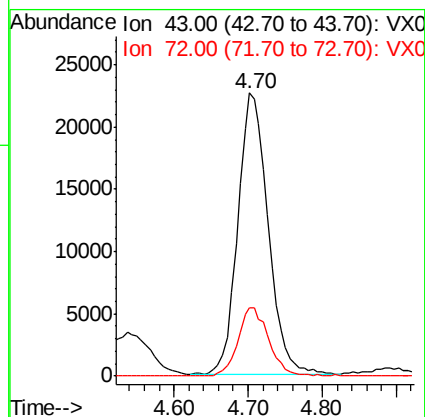
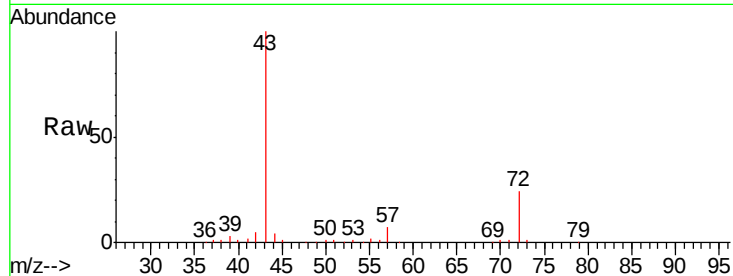
72 24.5 20.8 31.2

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#31

Cyclohexane

Concen: 87.99 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX005132.D

Acq: 08 Oct 2018 17:22

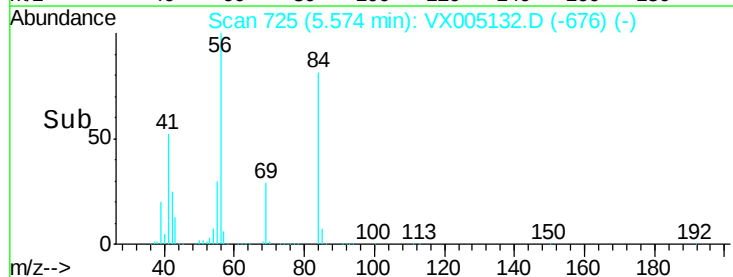
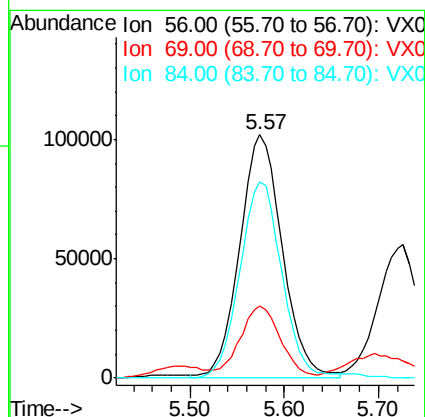
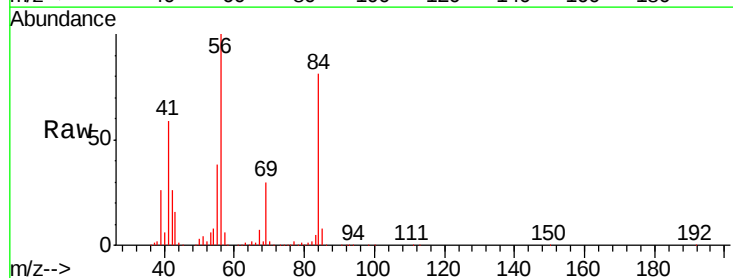
Tgt Ion: 56 Resp: 322531

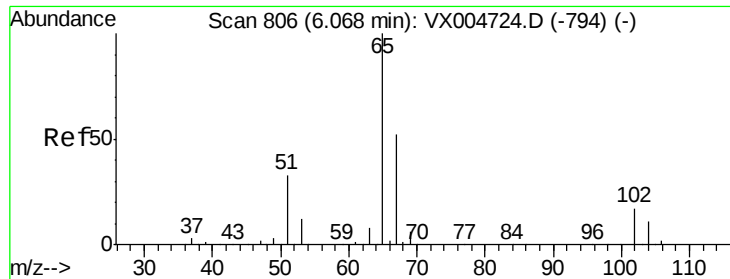
Ion Ratio Lower Upper

56 100

69 25.7 25.9 38.9#

84 81.3 71.9 107.9





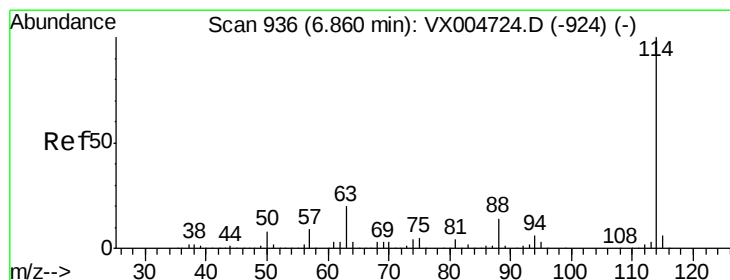
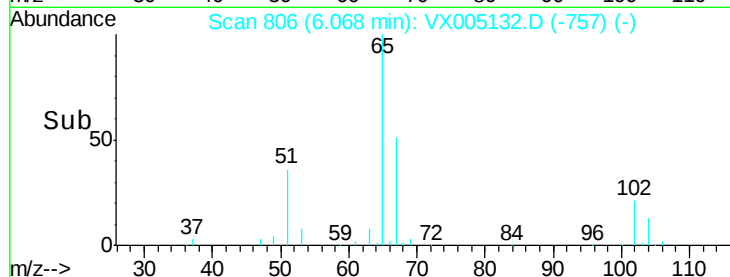
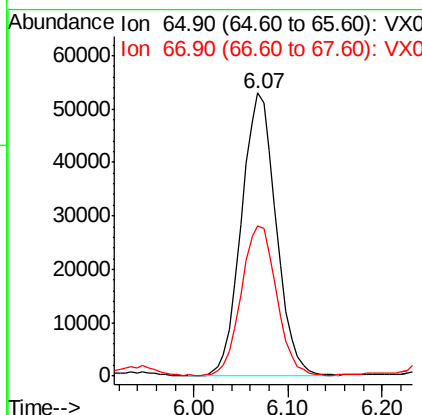
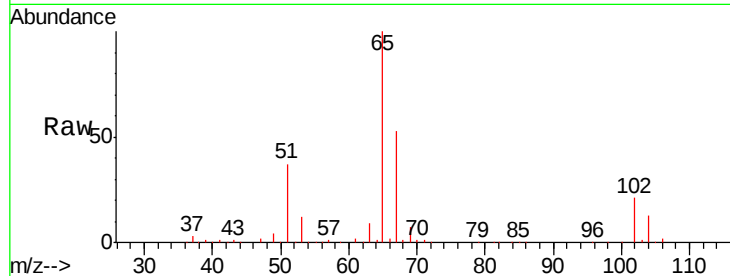
#33
 1,2-Dichloroethane-d4
 Concen: 47.45 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005132.D
 Acq: 08 Oct 2018 17:22

Instrument :
 MSVOA_X
 ClientSampled :
 MW-4

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	136687		
67	53.5	0.0	107.4	

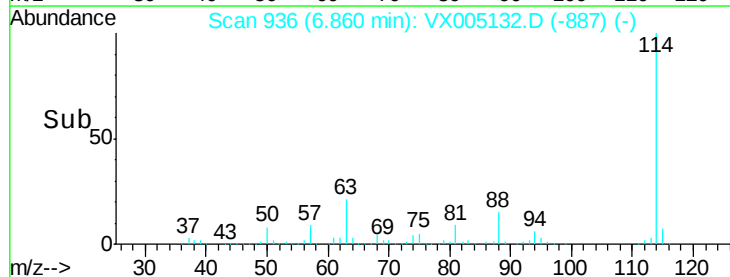
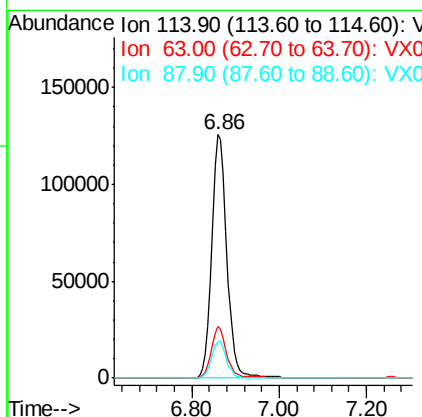
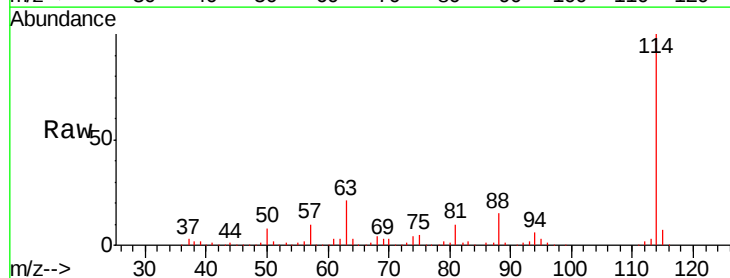
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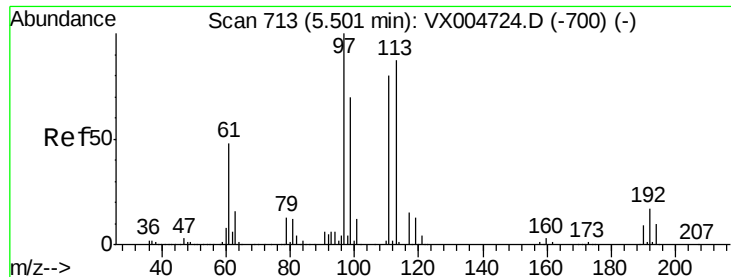
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005132.D
 Acq: 08 Oct 2018 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	308116		
63	21.0	0.0	39.8	
88	14.9	0.0	27.0	





#35

Dibromofluoromethane

Concen: 45.58 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005132.D

Acq: 08 Oct 2018 17:22

Instrument :

MSVOA_X

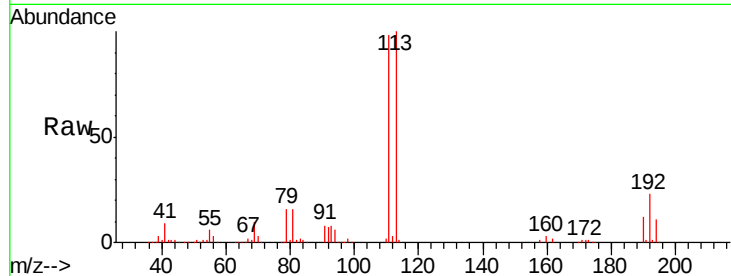
ClientSampled :

MW-4

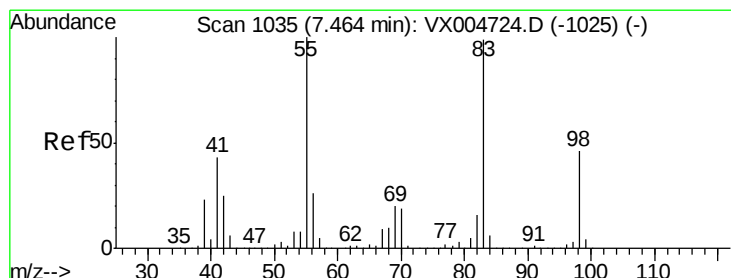
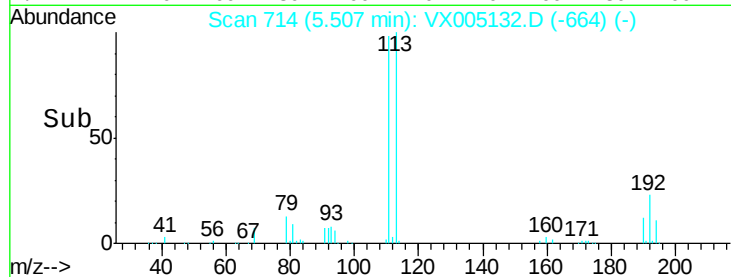
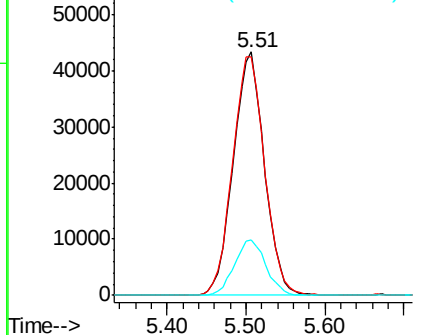
Tgt Ion:	113	Resp:	119020
Ion Ratio	Lower	Upper	
113	100		
111	101.3	77.0	115.4
192	23.0	17.0	25.6

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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

Methylcyclohexane

Concen: 82.88 ug/l

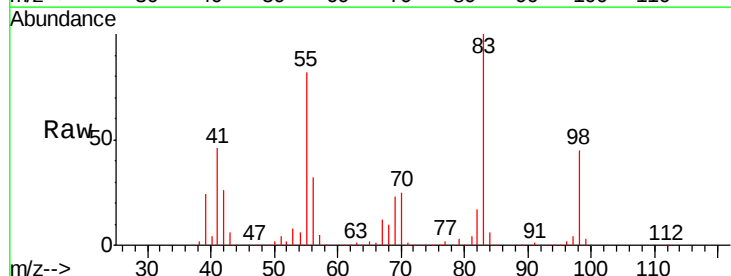
RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

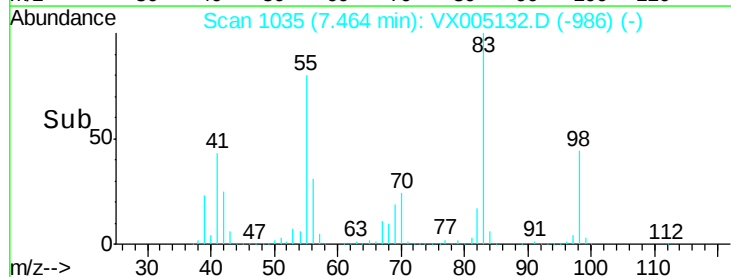
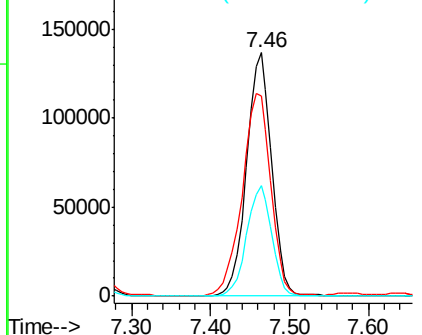
Lab File: VX005132.D

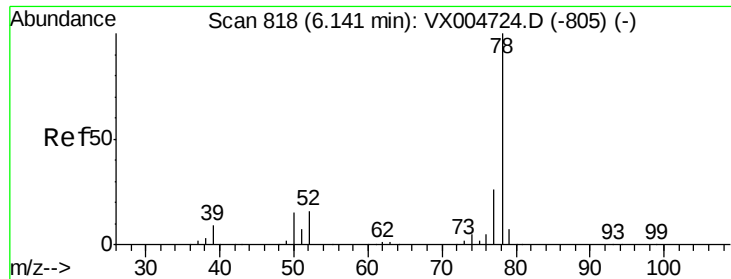
Acq: 08 Oct 2018 17:22

Tgt Ion:	83	Resp:	301522
Ion Ratio	Lower	Upper	
83	100		
55	82.1	81.1	121.7
98	45.4	37.3	55.9



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0





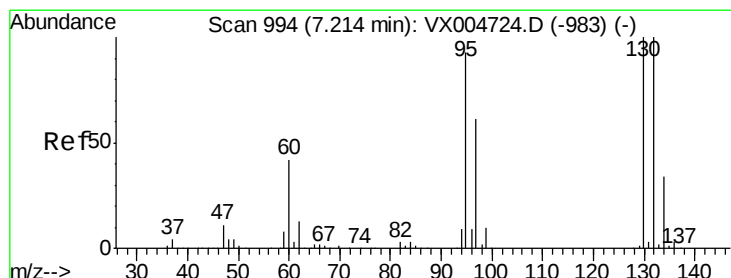
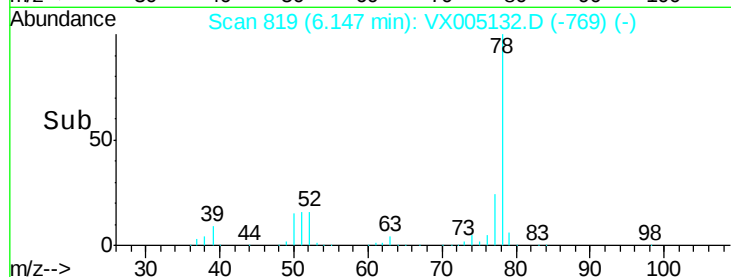
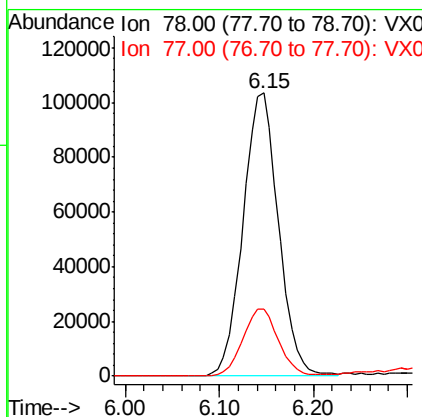
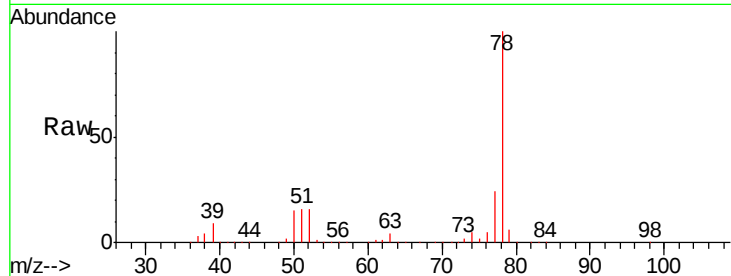
#40
Benzene
Concen: 24.52 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX005132.D
Acq: 08 Oct 2018 17:22

Instrument :
MSVOA_X
ClientSampleId :
MW-4

Tgt Ion: 78 Resp: 273503
Ion Ratio Lower Upper
78 100
77 23.8 21.0 31.4

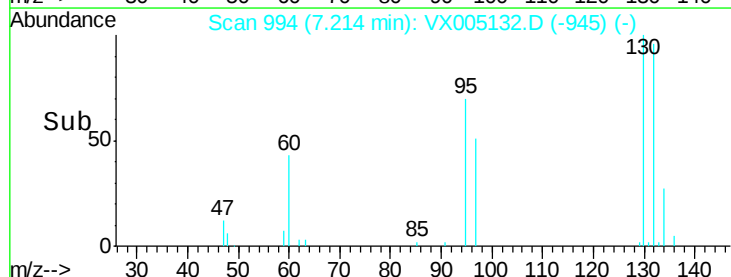
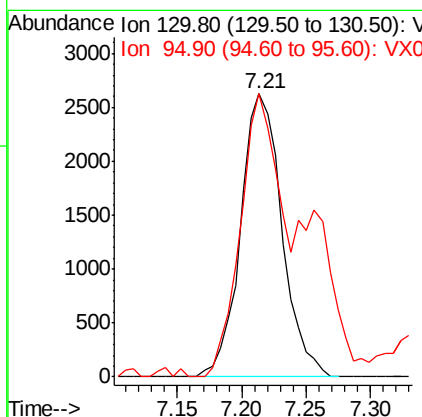
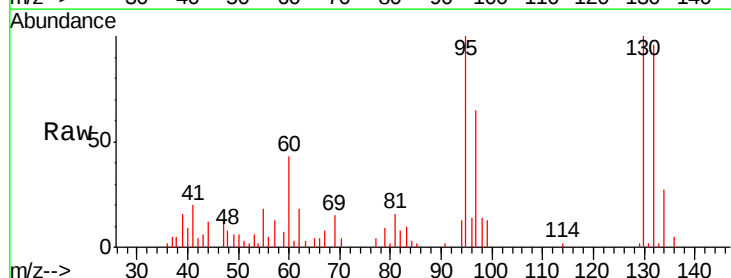
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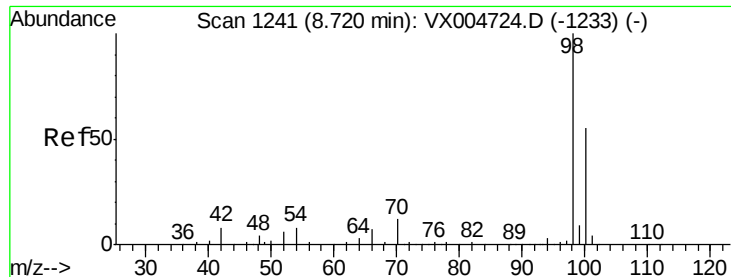
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#44
Trichloroethene
Concen: 2.13 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX005132.D
Acq: 08 Oct 2018 17:22

Tgt Ion: 130 Resp: 5829
Ion Ratio Lower Upper
130 100
95 99.9 0.0 186.8





#50

Toluene-d8

Concen: 52.29 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX005132.D

Acq: 08 Oct 2018 17:22

Instrument :

MSVOA_X

ClientSampleId :

MW-4

Tgt Ion: 98 Resp: 453974

Ion Ratio Lower Upper

98 100

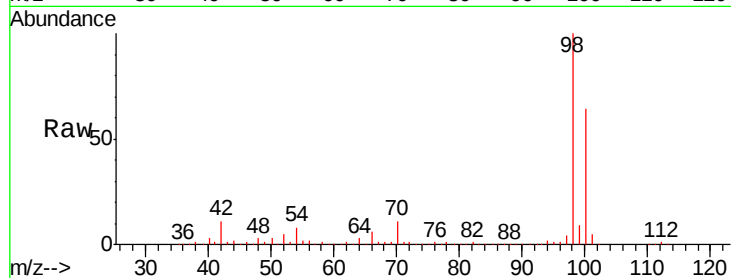
100 63.6 51.9 77.9

Manual Integrations

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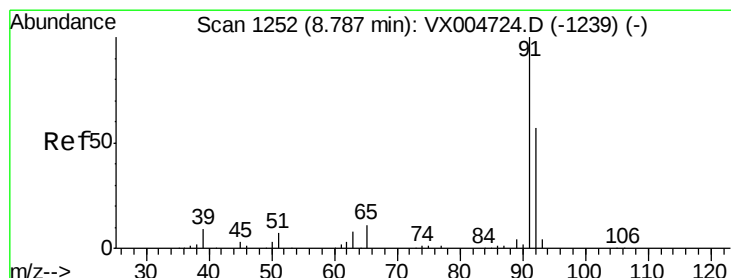
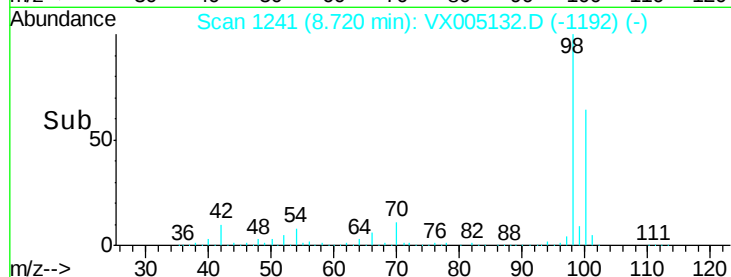
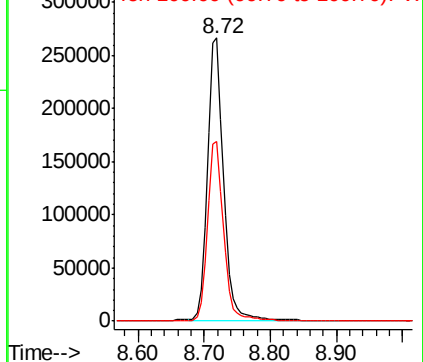
MMDadoda

10/9/2018 1:47:48 PM



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#52

Toluene

Concen: 50.02 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005132.D

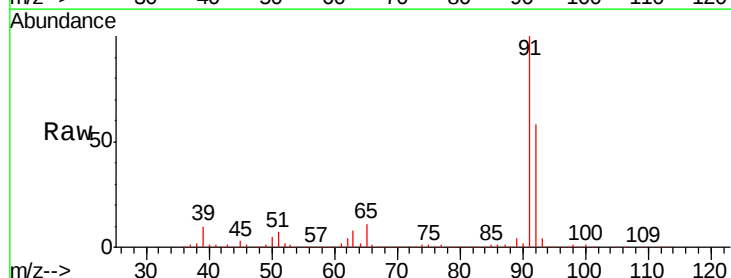
Acq: 08 Oct 2018 17:22

Tgt Ion: 92 Resp: 306573

Ion Ratio Lower Upper

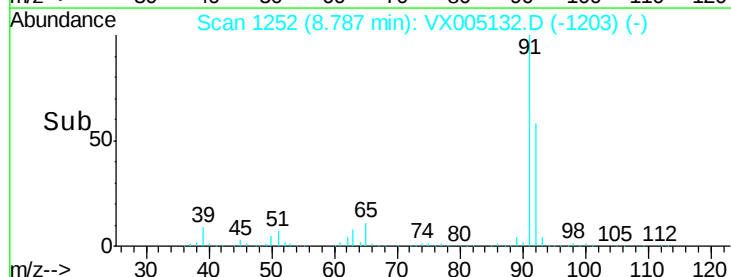
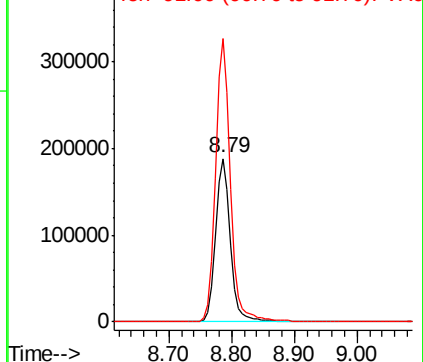
92 100

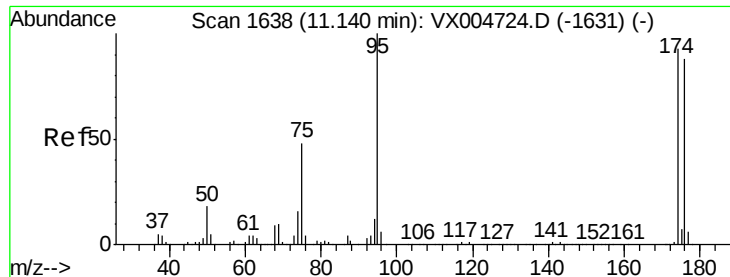
91 173.8 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





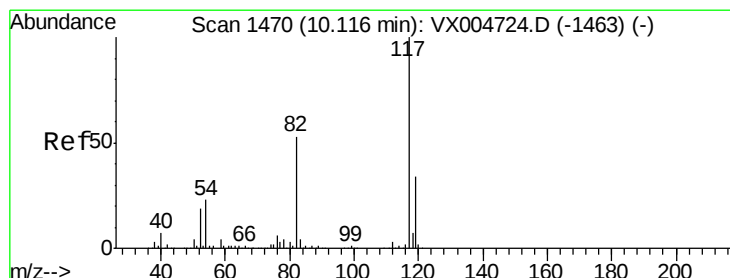
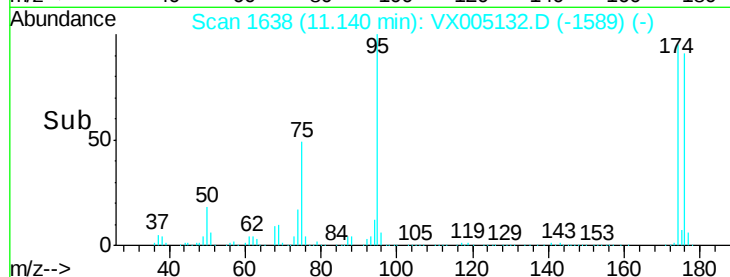
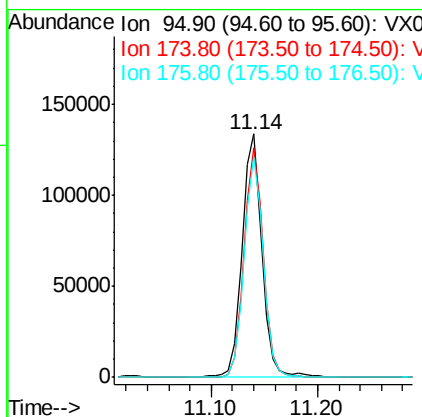
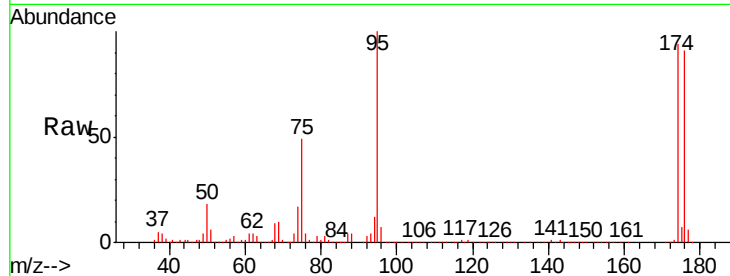
#62
4-Bromofluorobenzene
Concen: 55.64 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005132.D
Acq: 08 Oct 2018 17:22

Instrument :
MSVOA_X
ClientSampleId :
MW-4

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	174025		
174	92.1	0.0	185.0	
176	88.5	0.0	180.2	

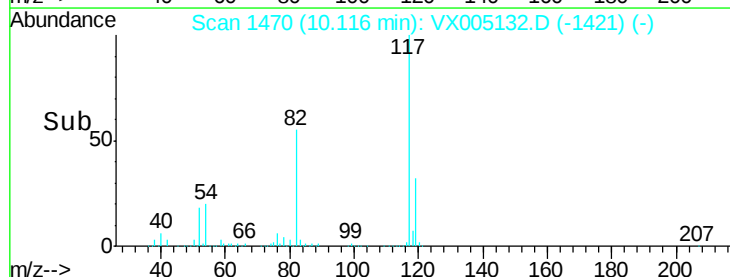
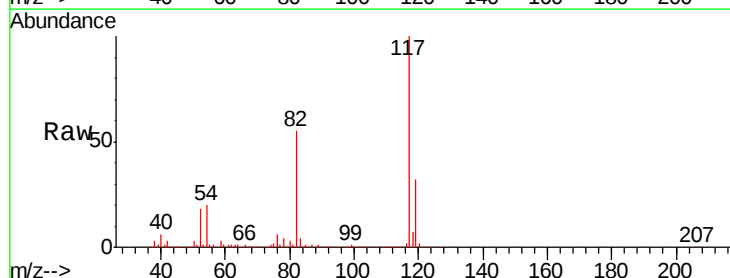
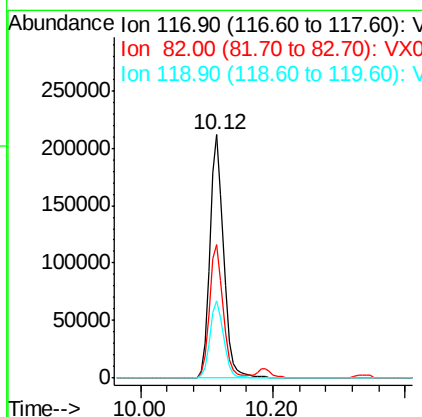
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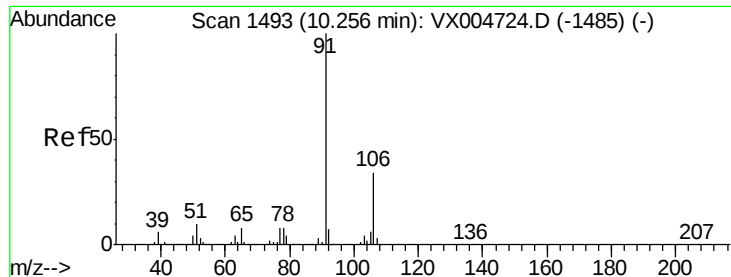
MMDadoda
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#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005132.D
Acq: 08 Oct 2018 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	303658		
82	55.0	42.2	63.4	
119	31.8	27.4	41.0	





#67

Ethyl Benzene

Concen: 406.98 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VX005132.D

Acq: 08 Oct 2018 17:22

Instrument :

MSVOA_X

ClientSampleId :

MW-4

Tgt Ion: 91 Resp: 5031145

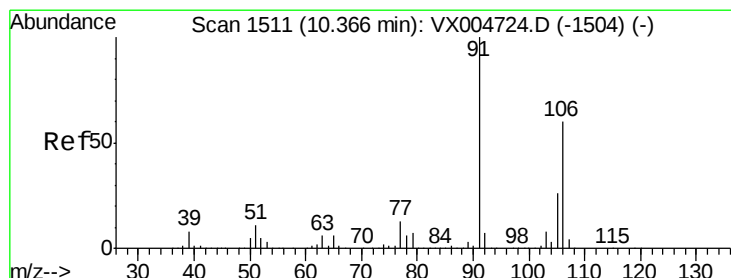
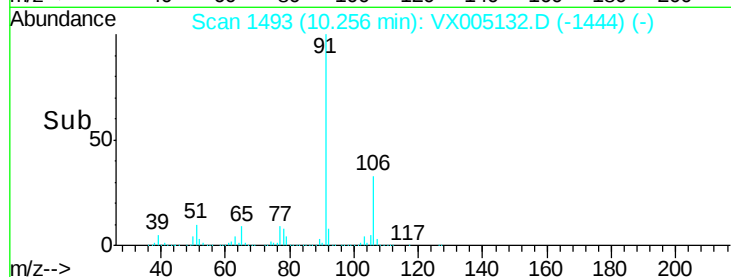
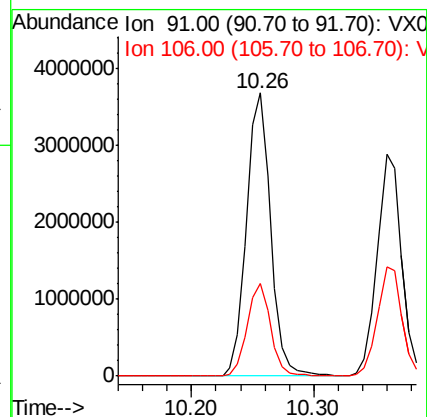
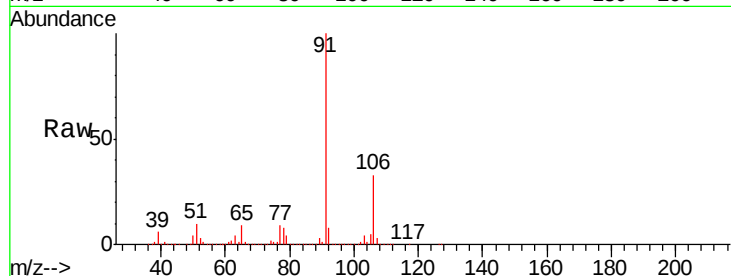
Ion Ratio Lower Upper

91 100

106 32.7 26.9 40.3

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#68

m/p-Xylenes

Concen: 416.01 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VX005132.D

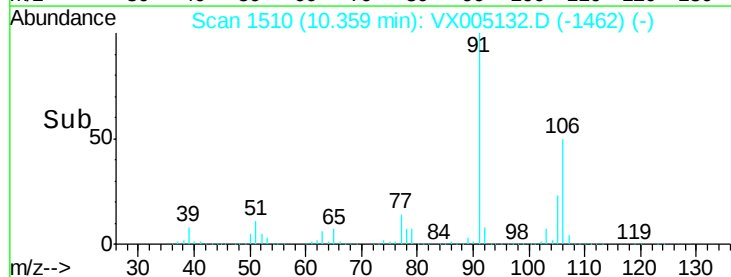
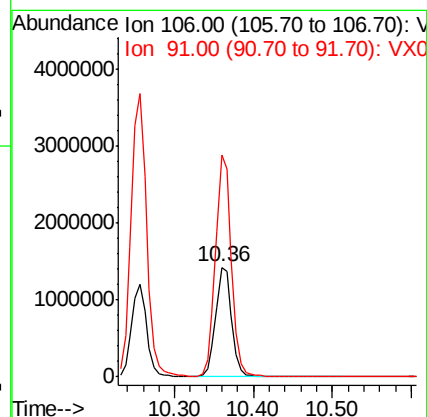
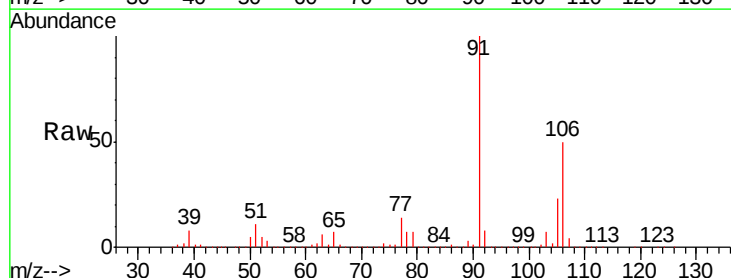
Acq: 08 Oct 2018 17:22

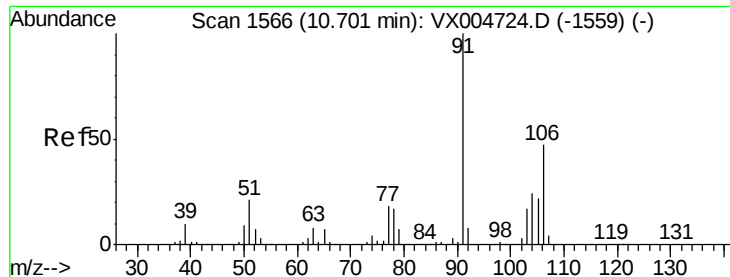
Tgt Ion: 106 Resp: 2009670

Ion Ratio Lower Upper

106 100

91 201.1 157.5 236.3





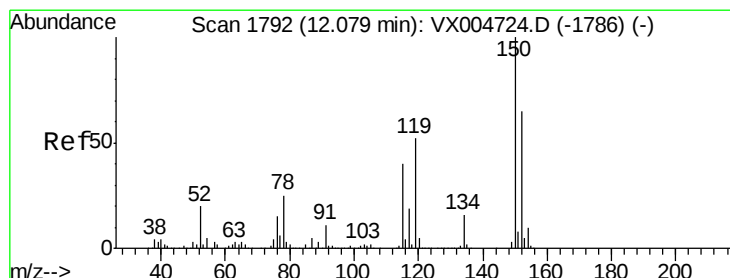
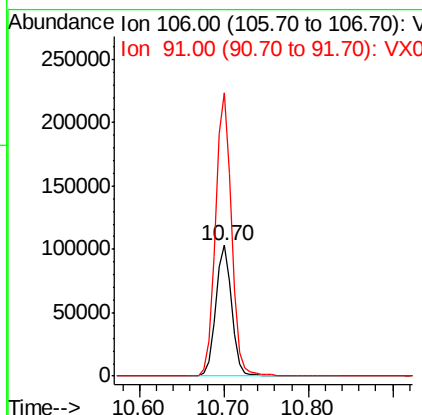
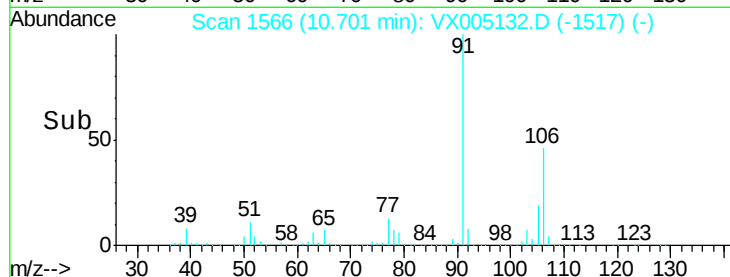
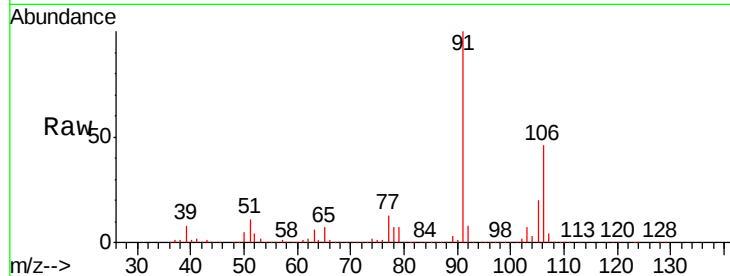
#69
o-Xylene
Concen: 30.55 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005132.D
Acq: 08 Oct 2018 17:22

Instrument :
MSVOA_X
ClientSampled :
MW-4

Tgt Ion:106 Resp: 135564
Ion Ratio Lower Upper
106 100
91 216.7 108.3 324.8

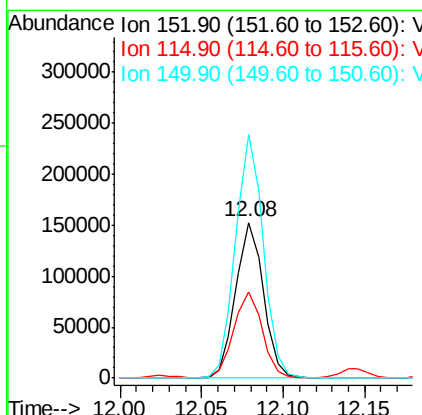
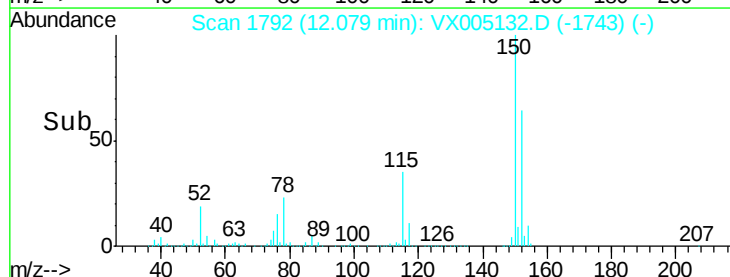
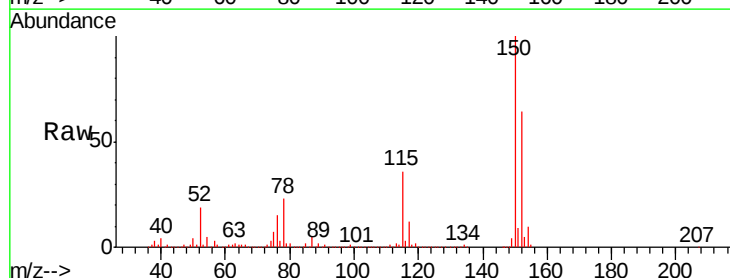
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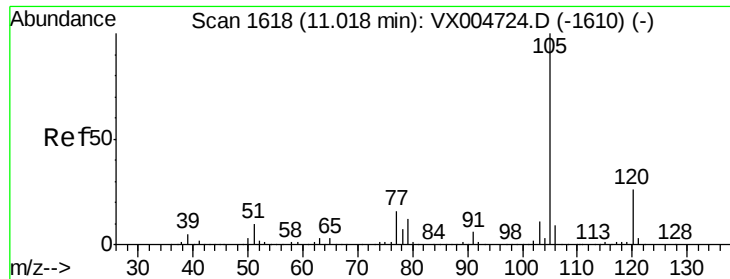
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005132.D
Acq: 08 Oct 2018 17:22

Tgt Ion:152 Resp: 182318
Ion Ratio Lower Upper
152 100
115 56.0 40.2 120.6
150 156.0 0.0 351.0





#73

Isopropylbenzene

Concen: 44.58 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005132.D

Acq: 08 Oct 2018 17:22

Instrument :

MSVOA_X

ClientSampleId :

MW-4

Tgt Ion: 105 Resp: 512298

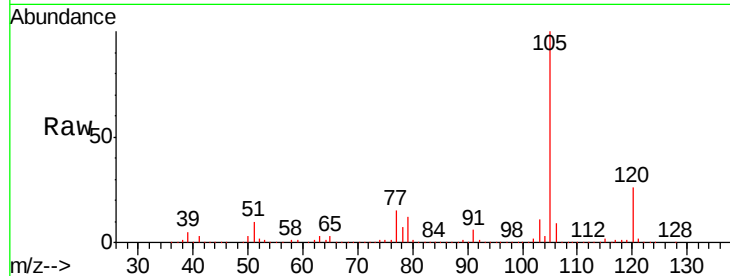
Ion Ratio Lower Upper

105 100

120 26.6 13.2 39.5

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

400000

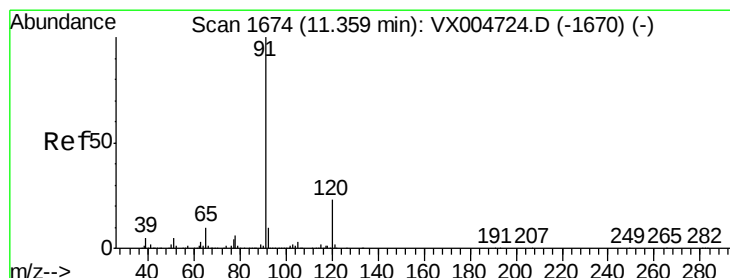
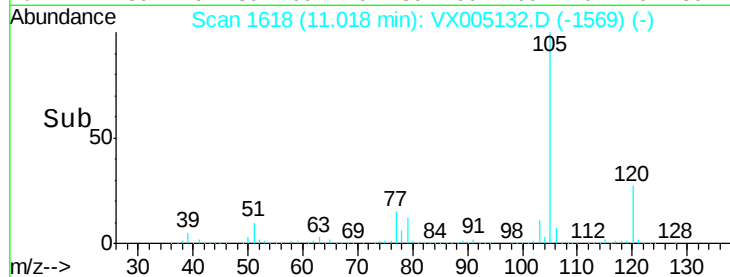
300000

200000

100000

0

Time--> 10.90 11.00 11.10



#78

n-propylbenzene

Concen: 70.05 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005132.D

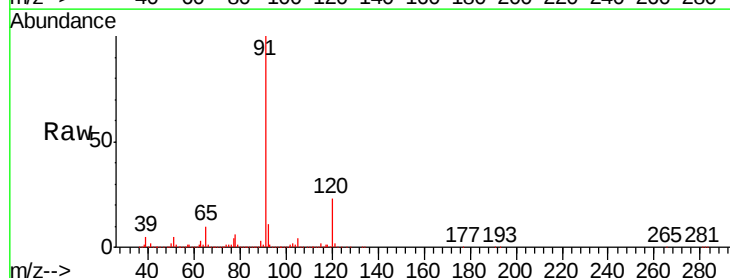
Acq: 08 Oct 2018 17:22

Tgt Ion: 91 Resp: 923679

Ion Ratio Lower Upper

91 100

120 23.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.36

800000

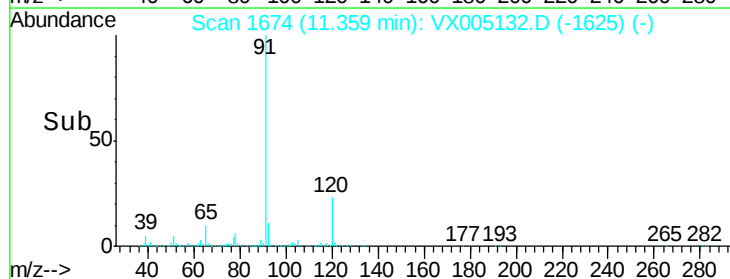
600000

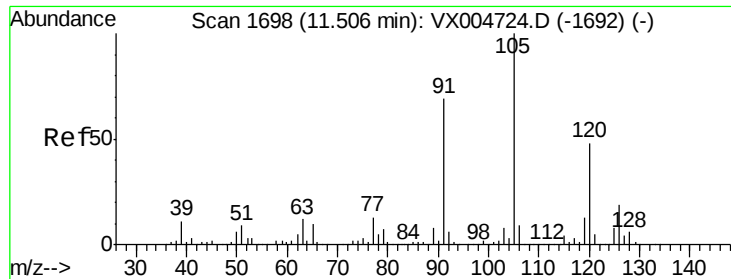
400000

200000

0

Time--> 11.30 11.35 11.40





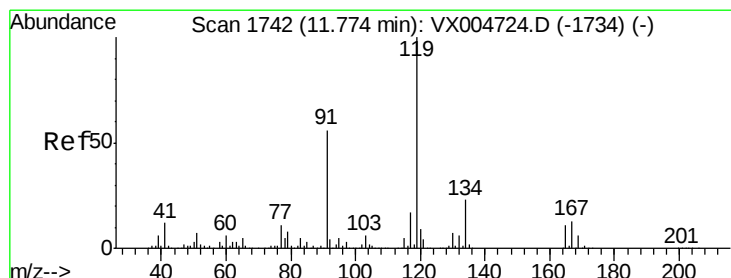
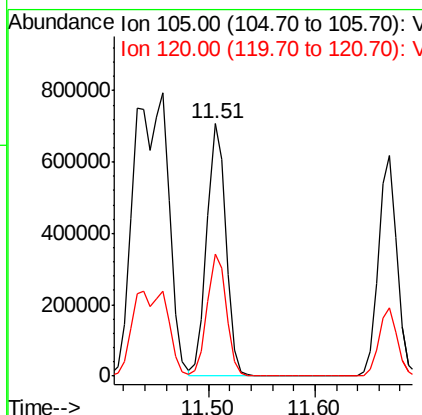
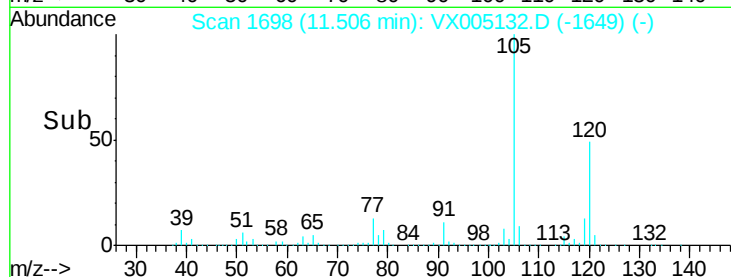
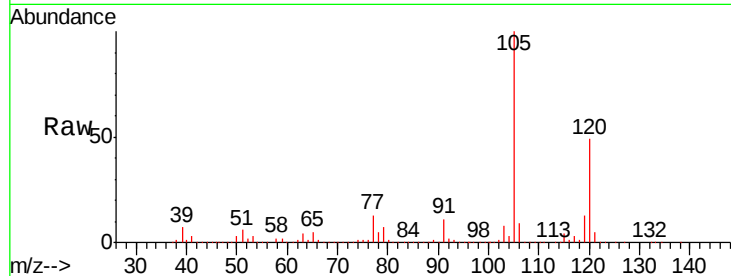
#80
 1,3,5-Trimethylbenzene
 Concen: 81.49 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005132.D
 Acq: 08 Oct 2018 17:22

Instrument :
 MSVOA_X
 ClientSampled :
 MW-4

Tgt Ion:105 Resp: 856942
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.3 72.8

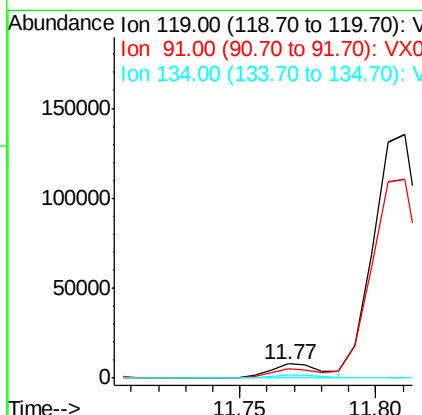
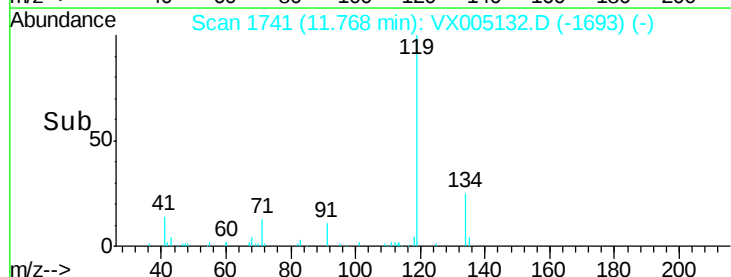
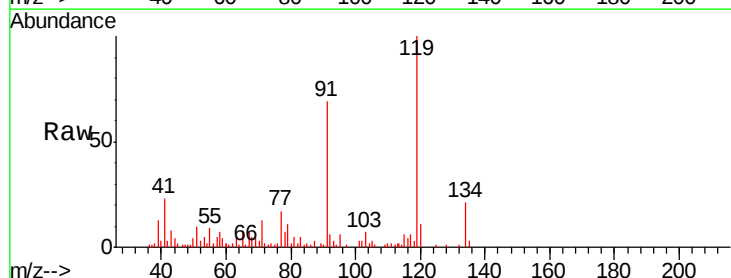
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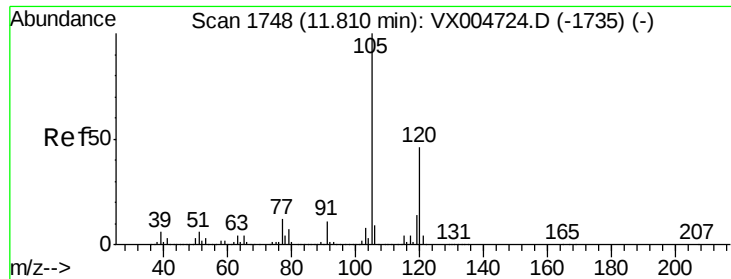
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#83
 tert-Butylbenzene
 Concen: 1.12 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.01 min
 Lab File: VX005132.D
 Acq: 08 Oct 2018 17:22

Tgt Ion:119 Resp: 10606
 Ion Ratio Lower Upper
 119 100
 91 58.2 27.5 82.5
 134 23.2 11.5 34.4





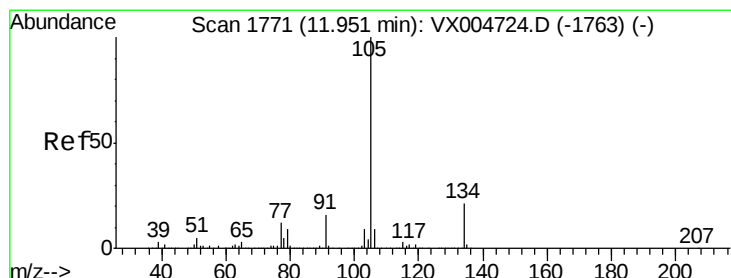
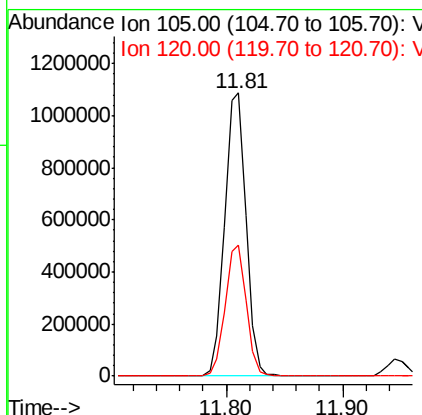
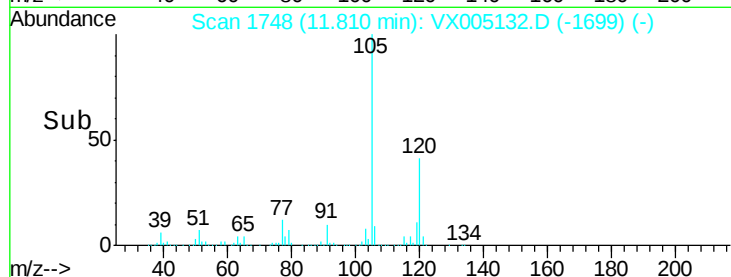
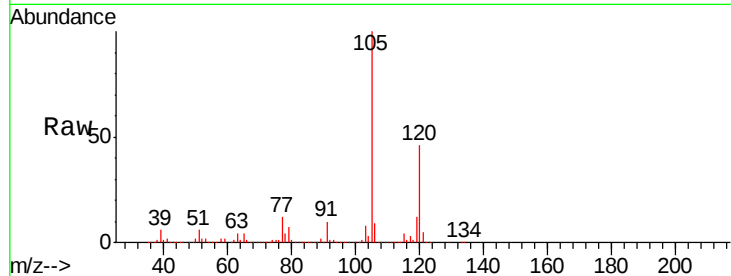
#84
 1,2,4-Trimethylbenzene
 Concen: 126.93 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX005132.D
 Acq: 08 Oct 2018 17:22

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Tgt Ion:105 Resp: 1375362
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.8 68.3

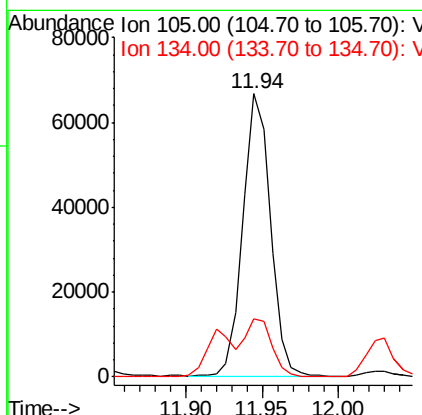
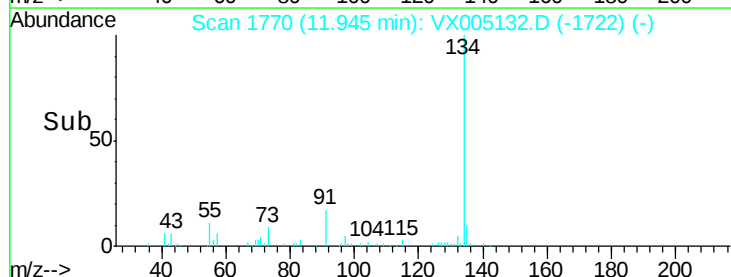
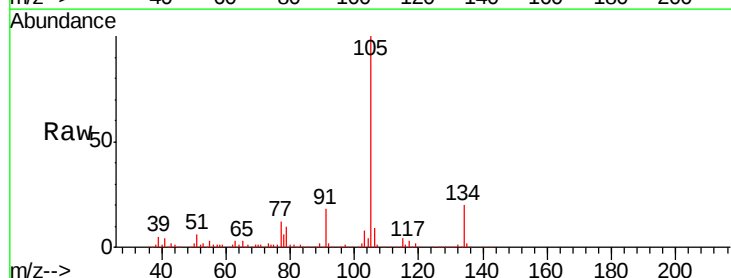
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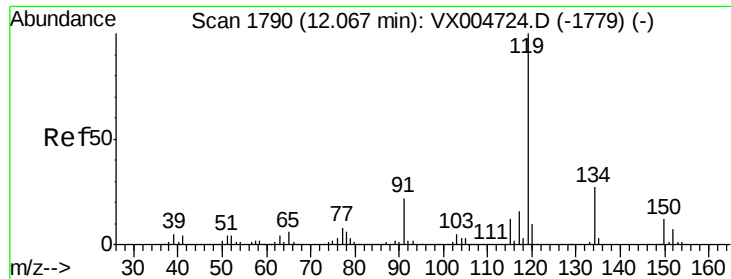
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#85
 sec-Butylbenzene
 Concen: 7.23 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.01 min
 Lab File: VX005132.D
 Acq: 08 Oct 2018 17:22

Tgt Ion:105 Resp: 83287
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.2 30.4





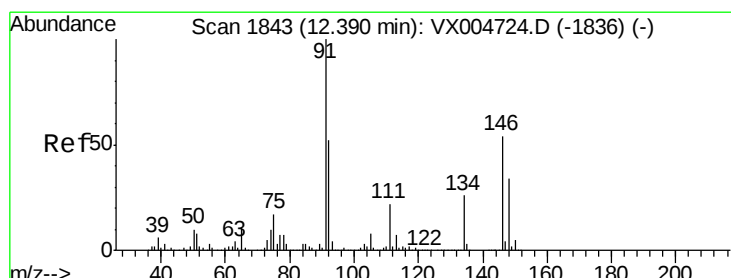
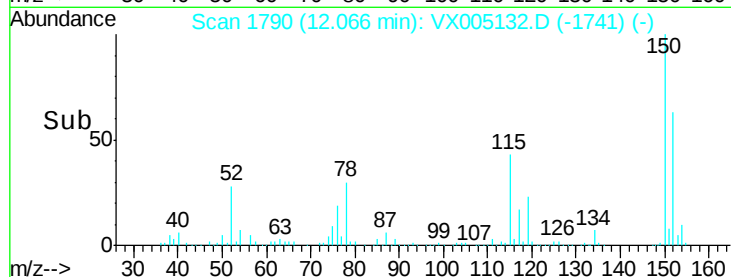
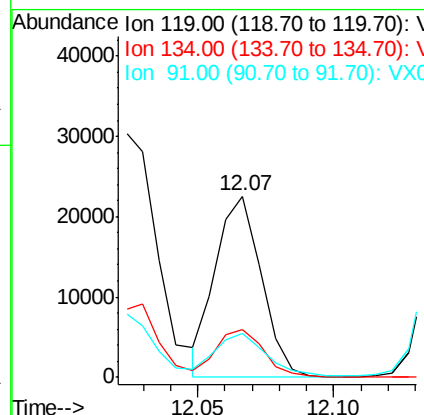
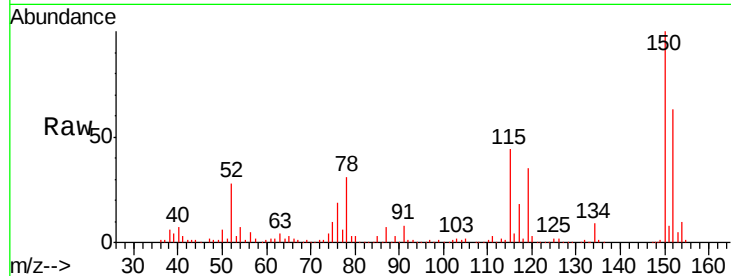
#86
p-Isopropyltoluene
Concen: 2.53 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX005132.D
Acq: 08 Oct 2018 17:22

Instrument :
MSVOA_X
ClientSampled :
MW-4

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.5	13.4	40.1
91	0.0	11.5	34.4#

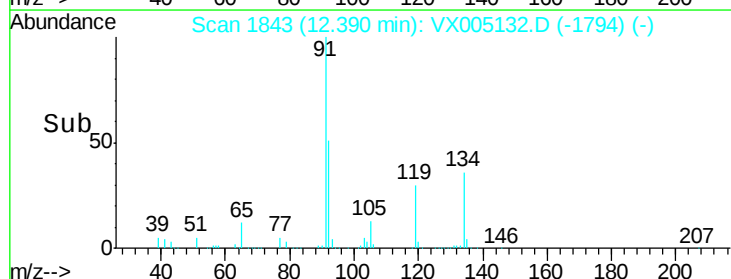
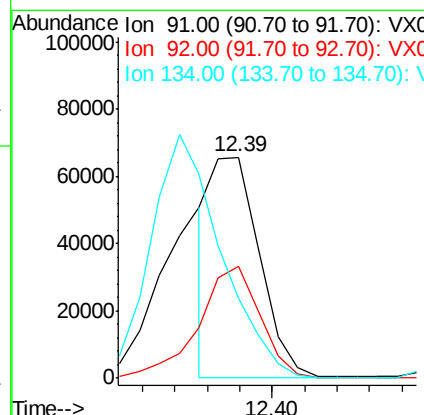
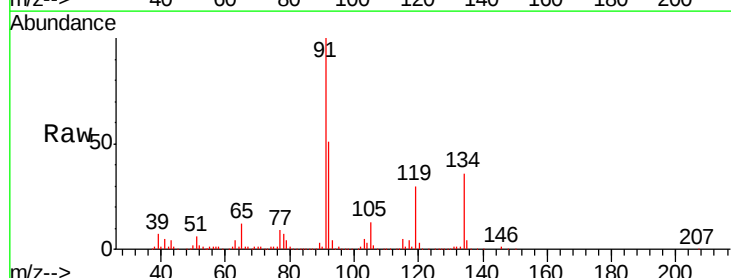
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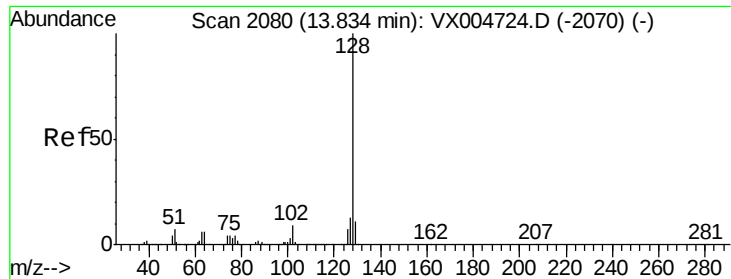
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#89
n-Butylbenzene
Concen: 7.22 ug/l m
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005132.D
Acq: 08 Oct 2018 17:22

Tgt Ion	Ratio	Lower	Upper
91	100		
92	64.2	26.0	78.0
134	159.7	13.2	39.6#





#95
Naphthalene
Concen: 103.55 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005132.D
Acq: 08 Oct 2018 17:22

Instrument :
MSVOA_X
ClientSampleId :
MW-4

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.2	8.7	13.1

Manual Integrations
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