

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092618\
 Data File : VX004746.D
 Acq On : 27 Sep 2018 01:58
 Operator : JC/MD
 Sample : J5029-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-092018-02

Manual Integrations
 APPROVED

MMDadoda
 9/27/2018 12:50:59 PM

Quant Time: Sep 27 06:35:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	298763	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	420738	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	404601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	232636	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	201746	47.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.54%	
35) Dibromofluoromethane	5.51	113	180575	50.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.28%	
50) Toluene-d8	8.72	98	605683	51.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.18%	
62) 4-Bromofluorobenzene	11.14	95	221061	51.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.52%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.07	59	30142	25.259	ug/l	98
16) Acetone	2.45	43	62462	25.069	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	81210	7.273	ug/l	95
31) Cyclohexane	5.57	56	23987	4.417	ug/l	85
39) Methylcyclohexane	7.46	83	18334	3.691	ug/l	91
52) Toluene	8.79	92	3672	0.439	ug/l	95
65) Chlorobenzene	10.14	112	3456	0.333	ug/l #	87
68) m/p-Xylenes	10.36	106	5130	0.797	ug/l	97
69) o-Xylene	10.70	106	1565	0.265	ug/l	83
73) Isopropylbenzene	11.02	105	8797	0.600	ug/l	100
83) tert-Butylbenzene	11.77	119	7725	0.640	ug/l	93
85) sec-Butylbenzene	11.94	105	9777	0.665	ug/l #	55
89) n-Butylbenzene	12.38	91	6252m	0.517	ug/l	

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

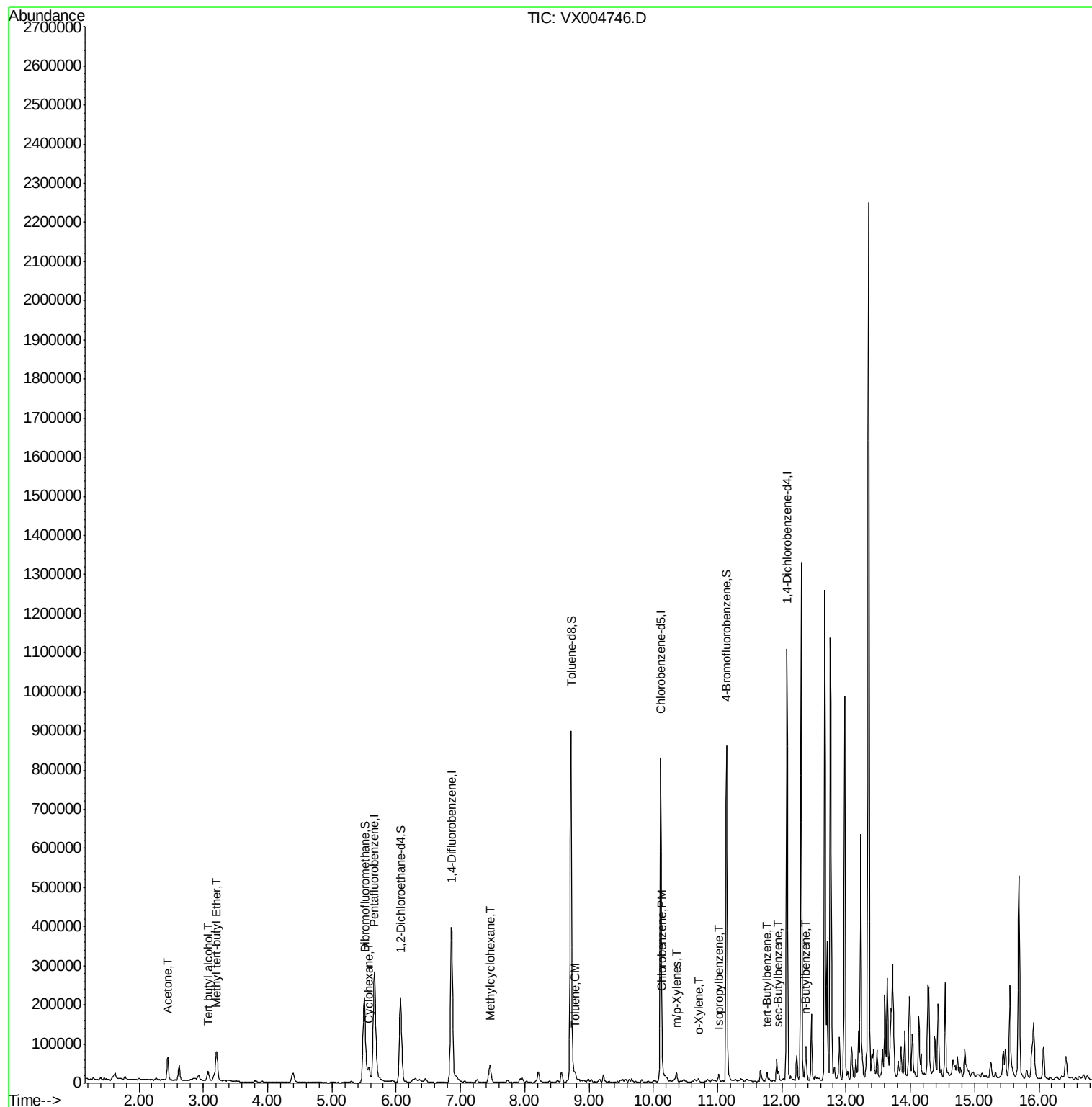
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092618\
Data File : VX004746.D
Acq On : 27 Sep 2018 01:58
Operator : JC/MD
Sample : J5029-02
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ALS Vial : 29 Sample Multiplier: 1

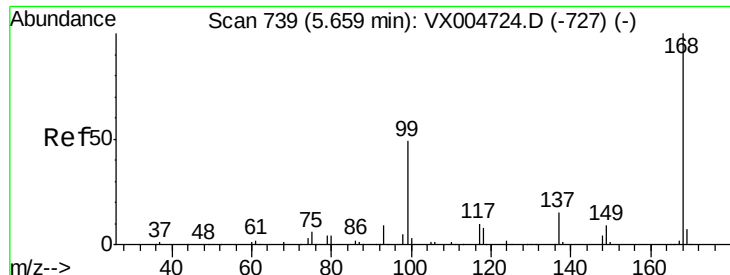
Instrument :
MSVOA_X
ClientSampleId :
DUP-092018-02

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9/27/2018 12:50:59 PM

Quant Time: Sep 27 06:35:28 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 26 14:17:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004746.D

Acq: 27 Sep 2018 01:58

Instrument :

MSVOA_X

ClientSampleId :

DUP-092018-02

Tot Ion:168 Resp: 298763

Ion Ratio Lower Upper

168 100

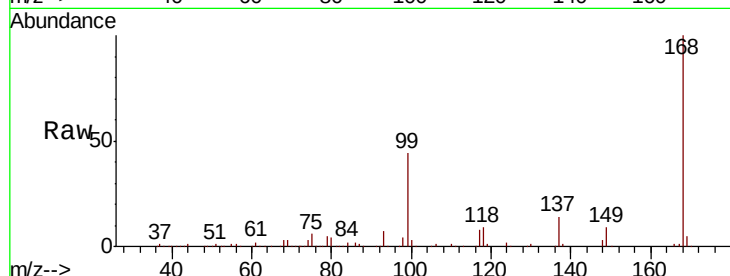
99 43.6 39.9 59.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

40000

20000

0

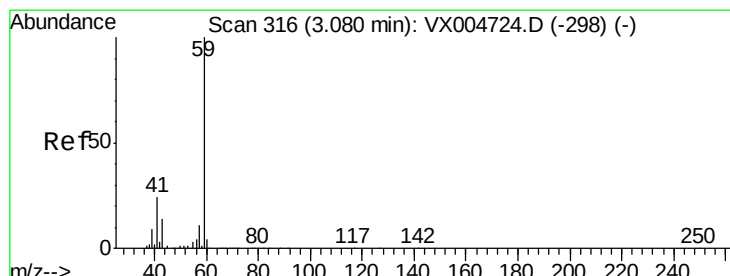
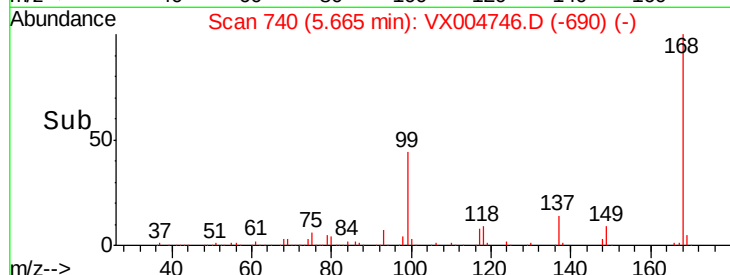
5.50

5.60

5.70

5.80

Time-->



#11

Tert butyl alcohol

Concen: 25.259 ug/l

RT: 3.07 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX004746.D

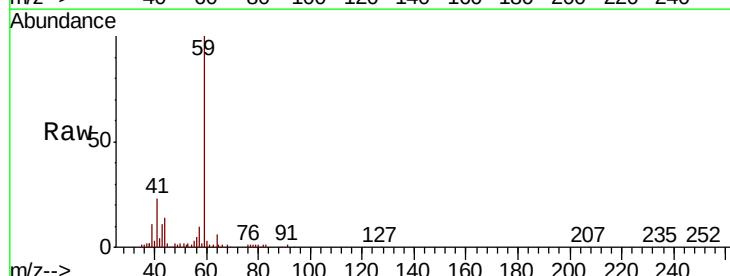
Acq: 27 Sep 2018 01:58

Tgt Ion: 59 Resp: 30142

Ion Ratio Lower Upper

59 100

57 9.4 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

15000

10000

5000

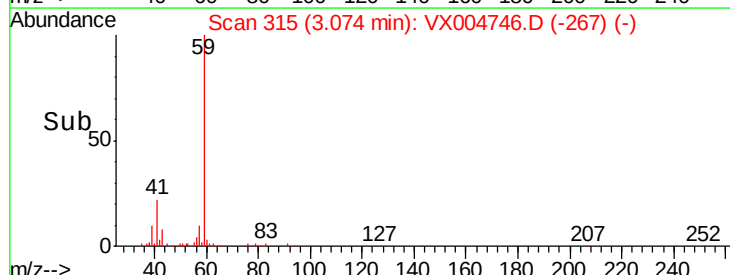
0

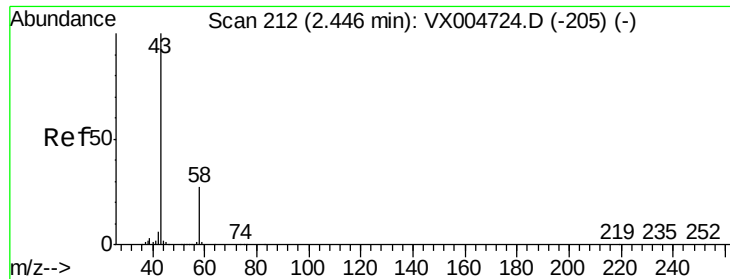
3.00

3.10

3.20

Time-->





#16

Acetone

Concen: 25.069 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004746.D

Acq: 27 Sep 2018 01:58

Instrument :

MSVOA_X

ClientSampleId :

DUP-092018-02

Tot Ion: 43 Resp: 62462

Ion Ratio Lower Upper

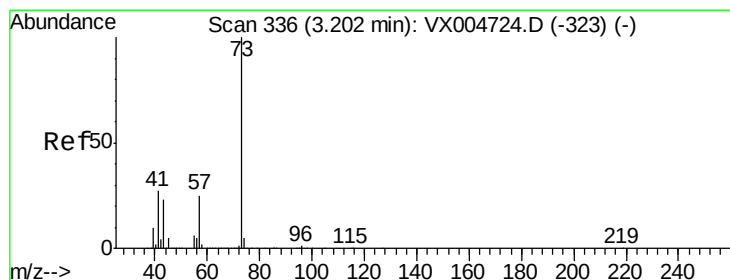
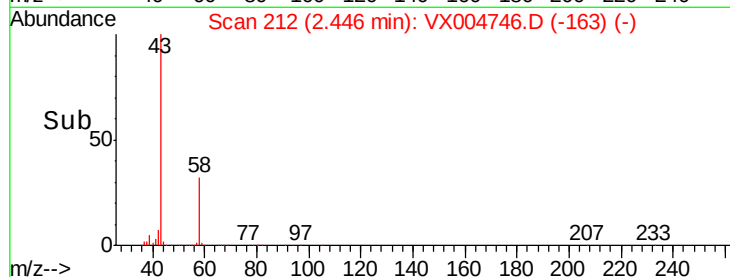
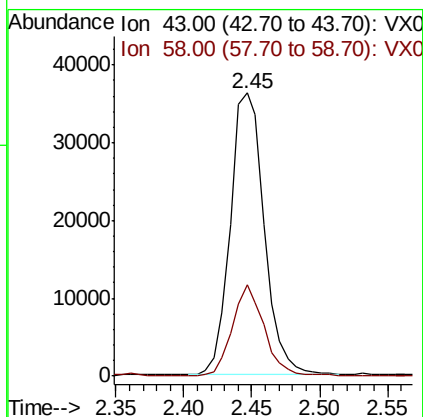
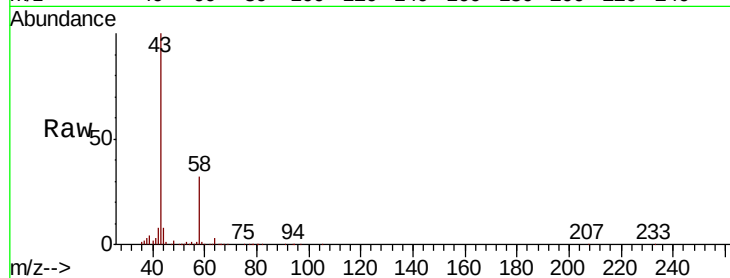
43 100

58 32.2 26.2 39.4

Manual Integrations
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#19

Methyl tert-butyl Ether

Concen: 7.273 ug/l

RT: 3.20 min Scan# 336

Delta R.T. 0.00 min

Lab File: VX004746.D

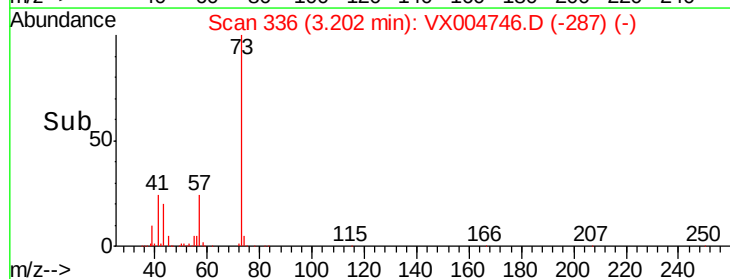
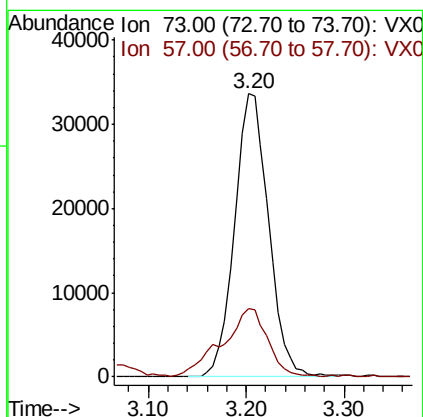
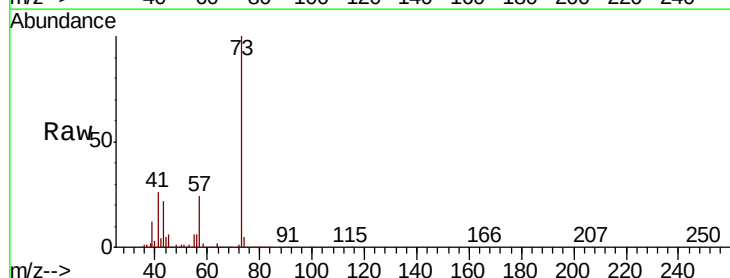
Acq: 27 Sep 2018 01:58

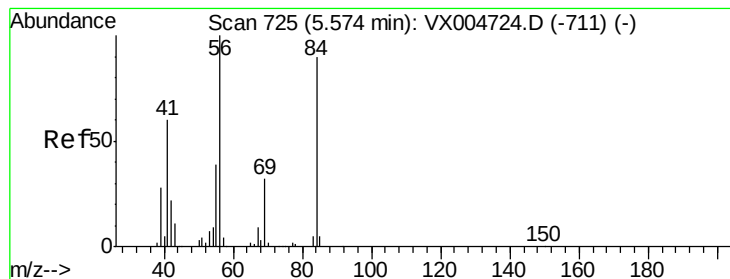
Tgt Ion: 73 Resp: 81210

Ion Ratio Lower Upper

73 100

57 23.8 17.1 25.7





#31

Cyclohexane

Concen: 4.417 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX004746.D

Acq: 27 Sep 2018 01:58

Instrument :

MSVOA_X

ClientSampleId :

DUP-092018-02

Tot Ion: 56 Resp: 23987

Ion Ratio Lower Upper

56 100

69 27.6 25.4 38.2

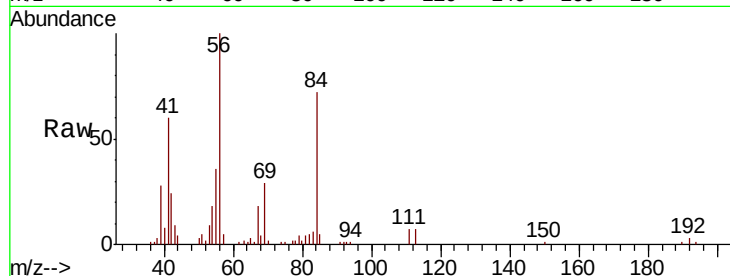
84 72.4 71.4 107.2

Manual Integrations

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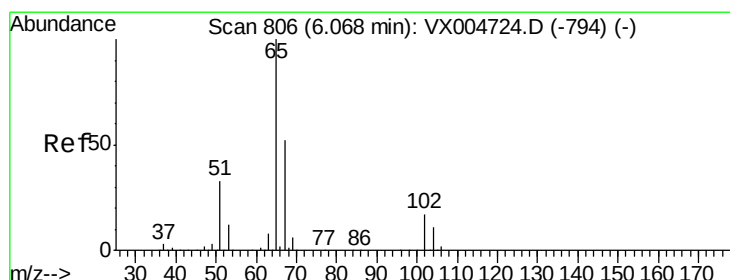
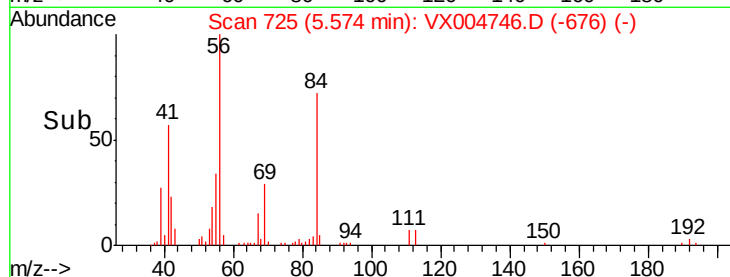
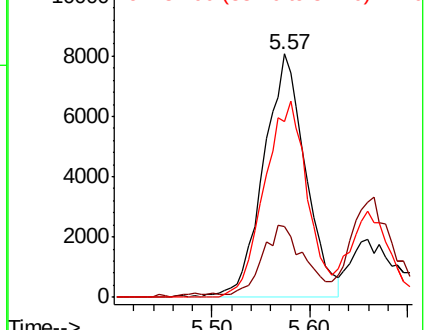
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 47.271 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004746.D

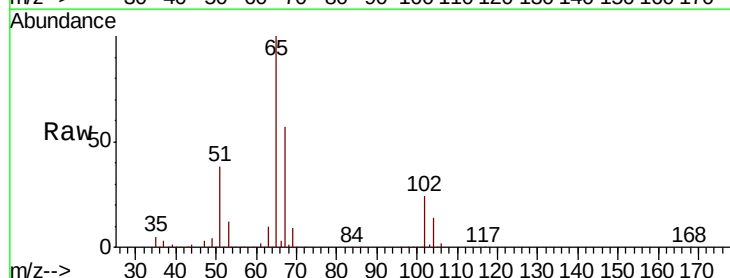
Acq: 27 Sep 2018 01:58

Tgt Ion: 65 Resp: 201746

Ion Ratio Lower Upper

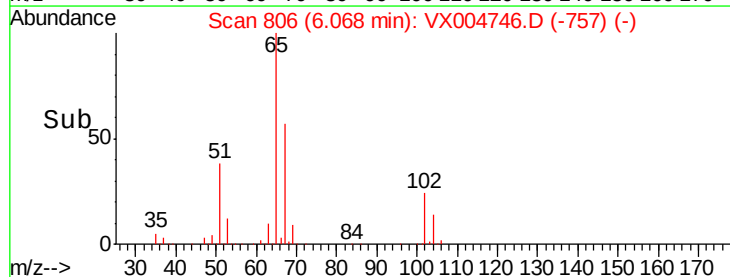
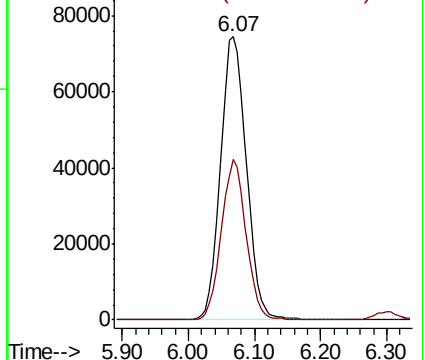
65 100

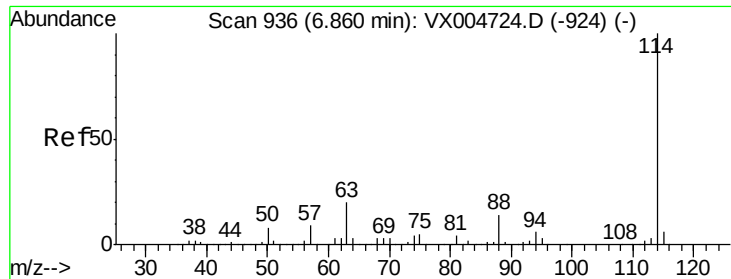
67 54.3 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





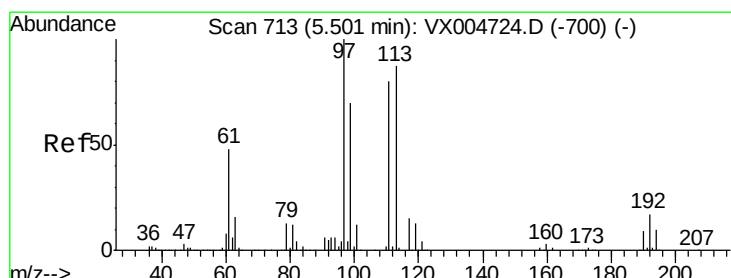
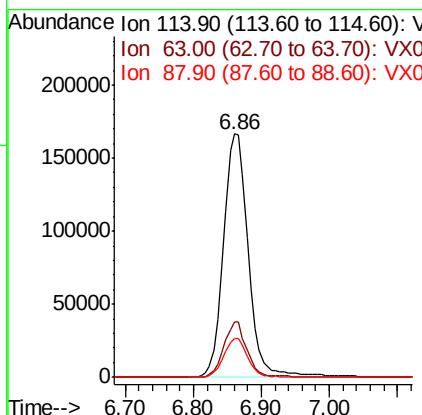
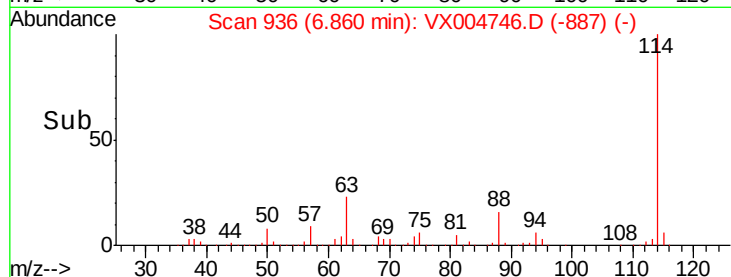
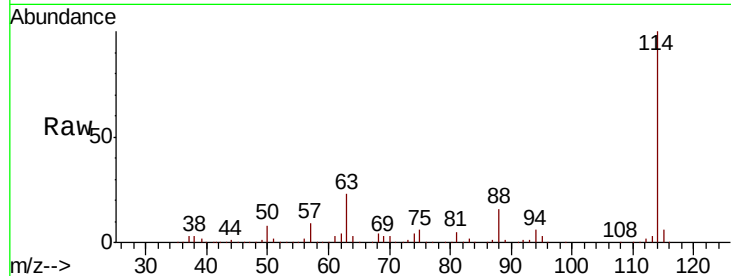
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX004746.D
Acq: 27 Sep 2018 01:58

Instrument :
MSVOA_X
ClientSampleId :
DUP-092018-02

Tot Ion	Ratio	Resp	Lower	Upper
114	100	420738		
63	22.6	0.0	39.0	
88	16.2	0.0	30.4	

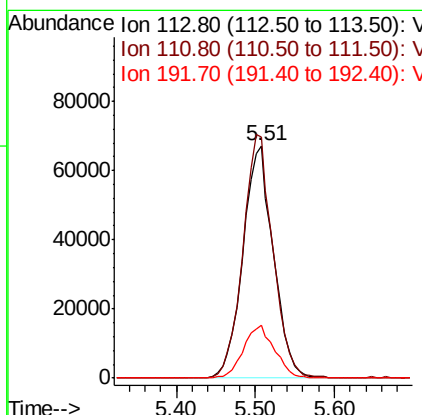
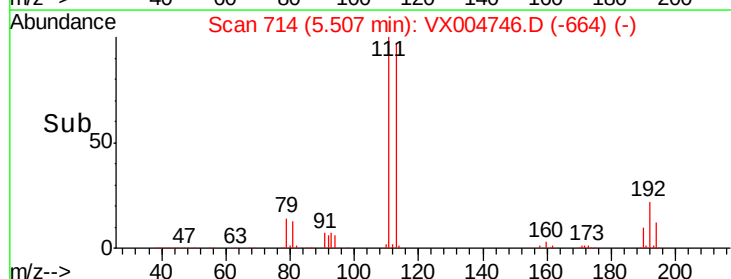
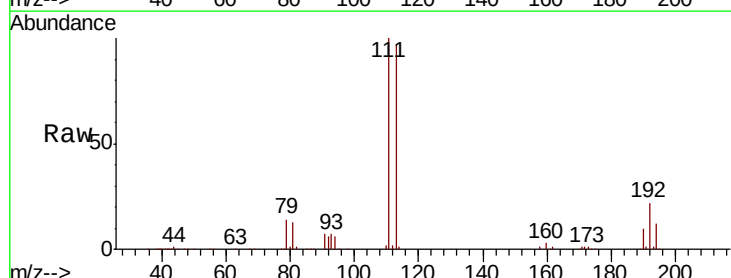
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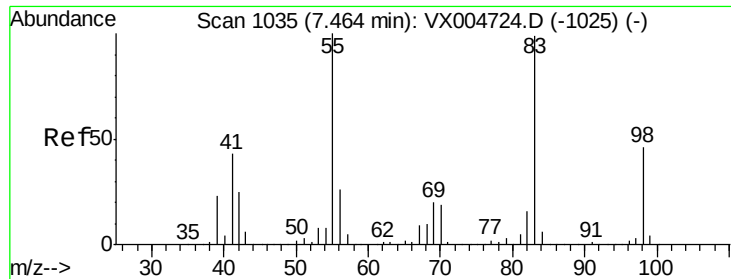
MMDadoda
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#35
Dibromofluoromethane
Concen: 50.641 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX004746.D
Acq: 27 Sep 2018 01:58

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	180575		
111	102.8	82.4	123.6	
192	23.3	19.4	29.2	





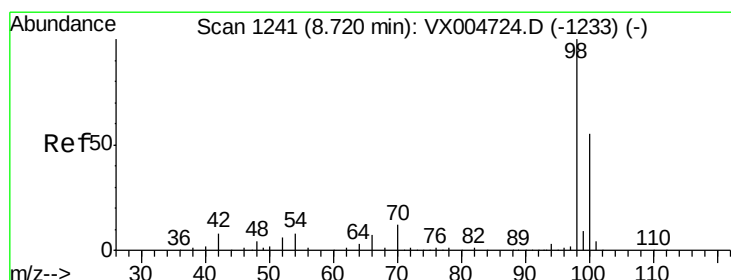
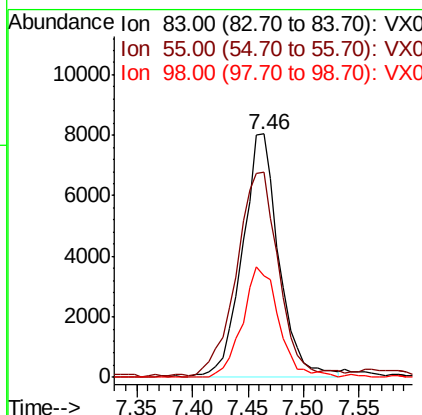
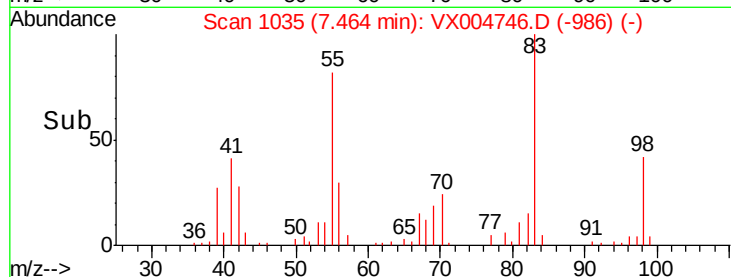
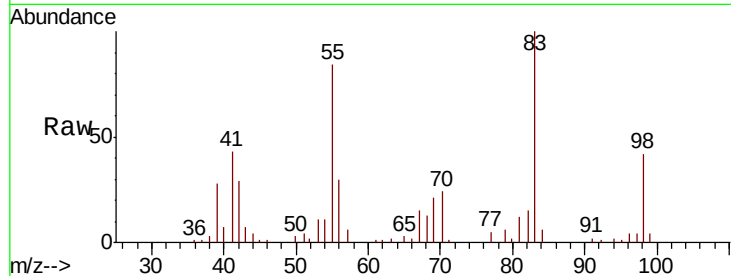
#39
Methvlcvclohexane
Concen: 3.691 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004746.D
Acq: 27 Sep 2018 01:58

Instrument :
MSVOA_X
ClientSampleId :
DUP-092018-02

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.3	61.0	91.4
98	41.9	39.6	59.4

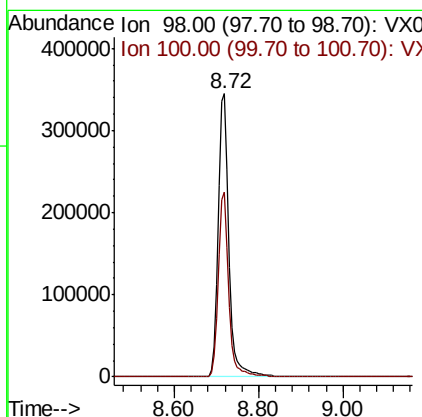
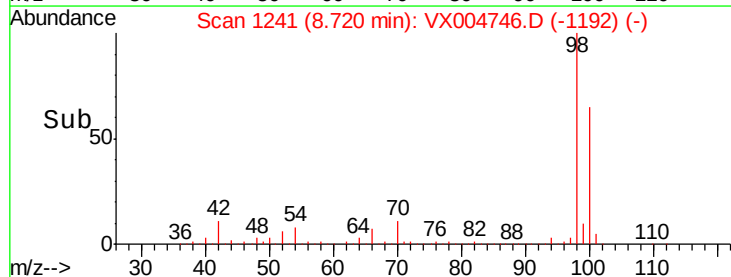
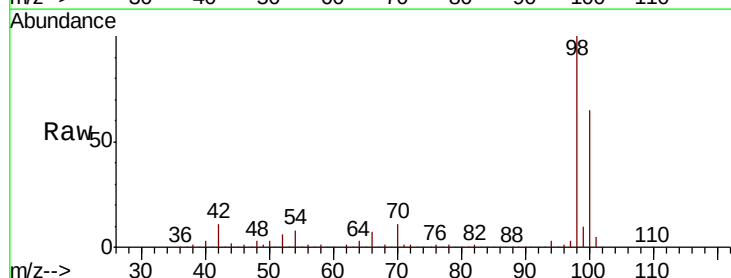
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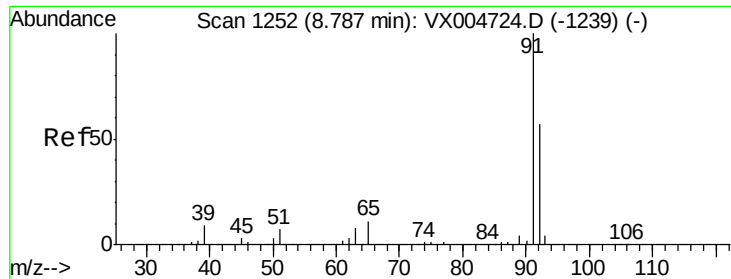
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#50
Toluene-d8
Concen: 51.093 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX004746.D
Acq: 27 Sep 2018 01:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.9	79.3





#52

Toluene

Concen: 0.439 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX004746.D

Acq: 27 Sep 2018 01:58

Instrument :

MSVOA_X

ClientSampleId :

DUP-092018-02

Tot Ion: 92 Resp: 3672

Ion Ratio Lower Upper

92 100

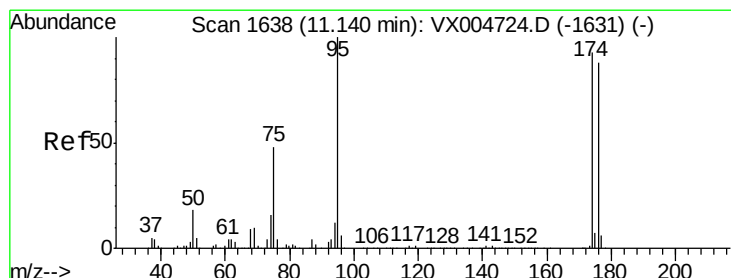
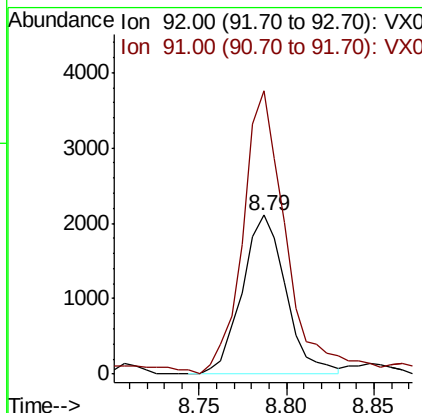
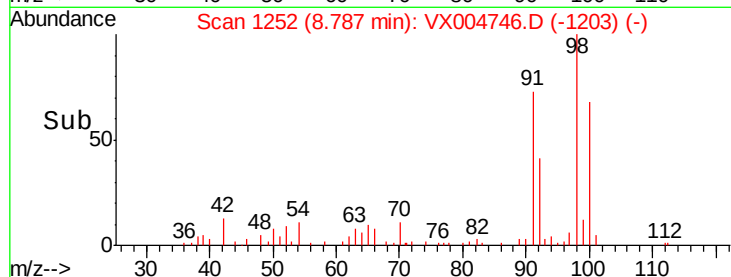
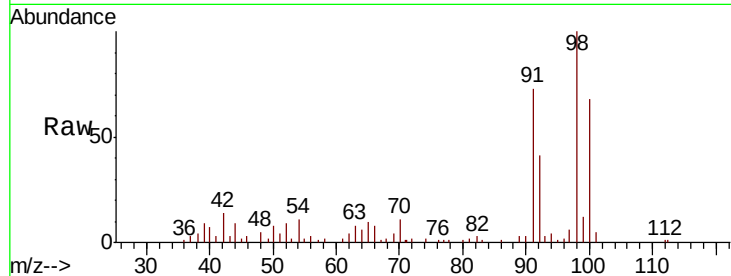
91 176.9 136.4 204.6

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 51.763 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004746.D

Acq: 27 Sep 2018 01:58

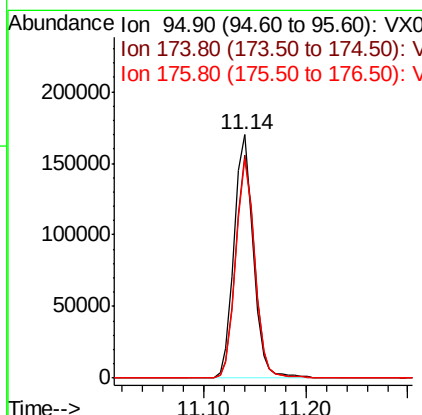
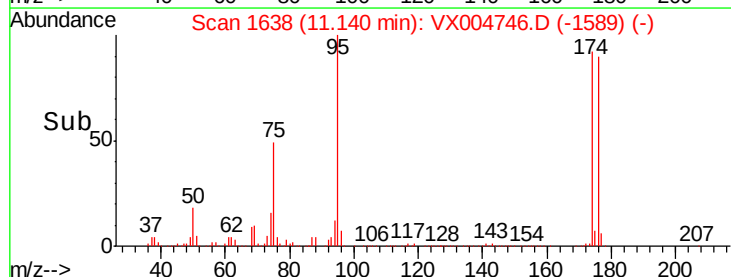
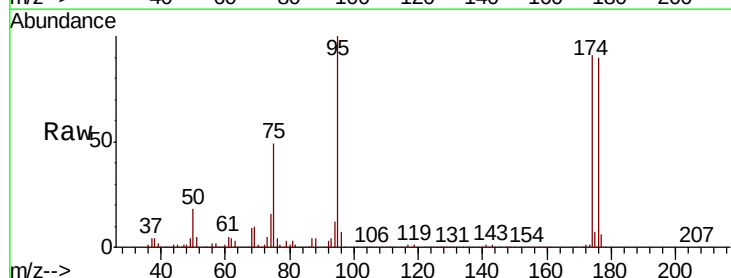
Tgt Ion: 95 Resp: 221061

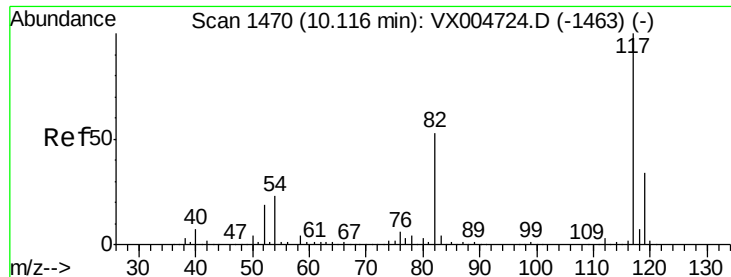
Ion Ratio Lower Upper

95 100

174 90.6 0.0 185.2

176 88.6 0.0 178.6





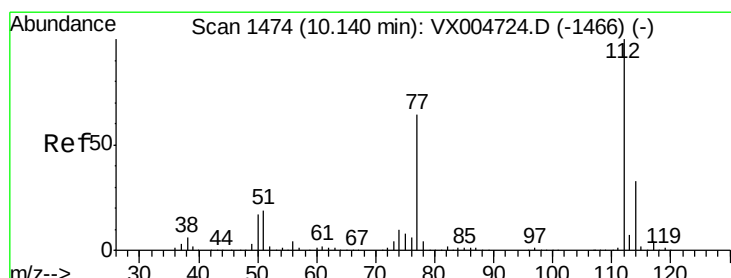
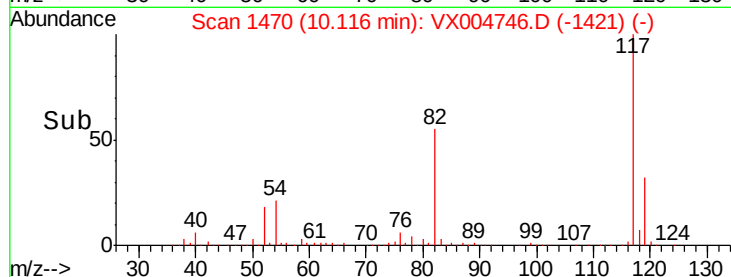
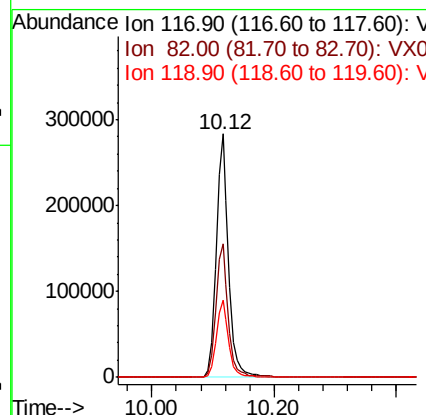
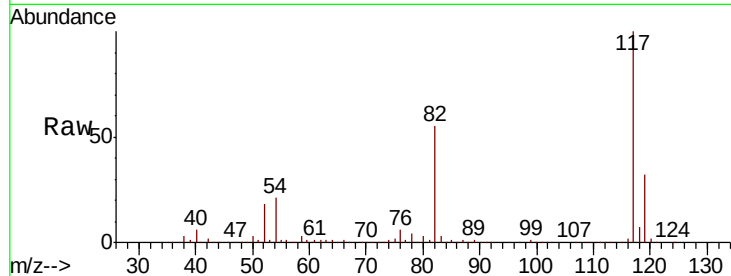
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004746.D
Acq: 27 Sep 2018 01:58

Instrument :
MSVOA_X
ClientSampleId :
DUP-092018-02

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	47.8	71.6
119	31.9	29.3	43.9

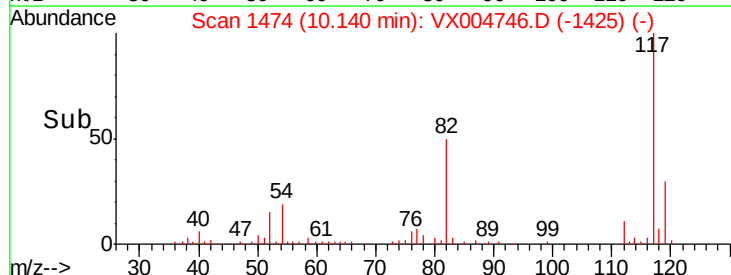
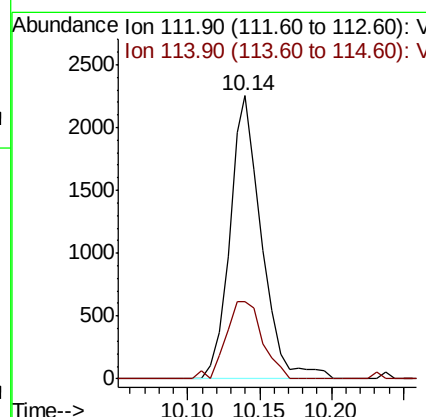
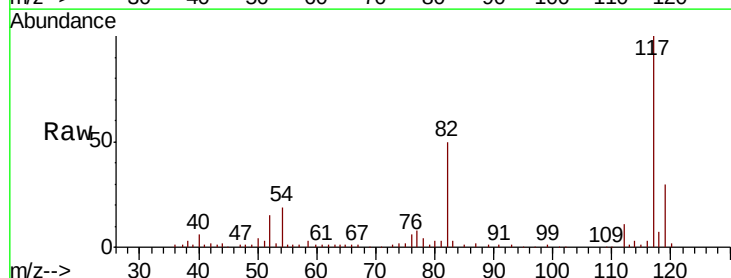
Manual Integrations
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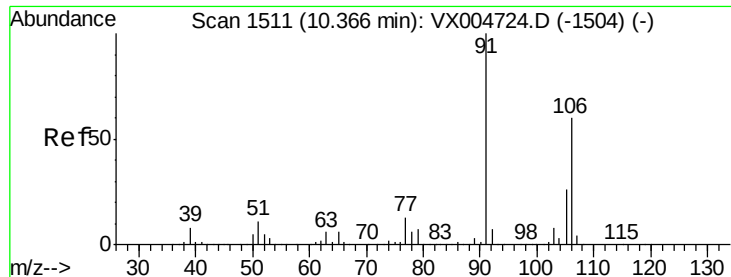
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#65
Chlorobenzene
Concen: 0.333 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX004746.D
Acq: 27 Sep 2018 01:58

Tgt Ion	Ratio	Lower	Upper
112	100		
114	27.2	27.8	41.8#





#68

m/p-Xylenes

Concen: 0.797 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VX004746.D

Acq: 27 Sep 2018 01:58

Instrument :

MSVOA_X

ClientSampleId :

DUP-092018-02

Tot Ion:106 Resp: 5130

Ion Ratio Lower Upper

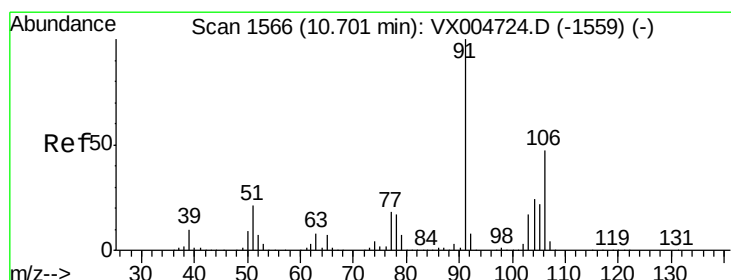
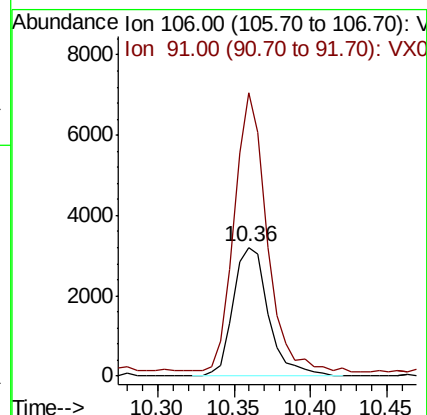
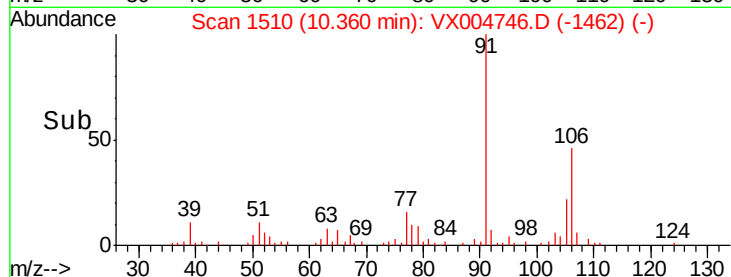
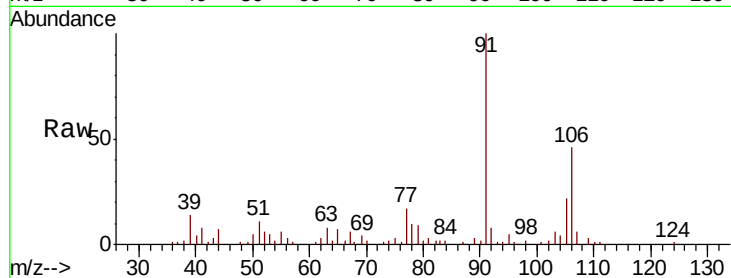
106 100

91 200.6 157.1 235.7

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#69

o-Xylene

Concen: 0.265 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VX004746.D

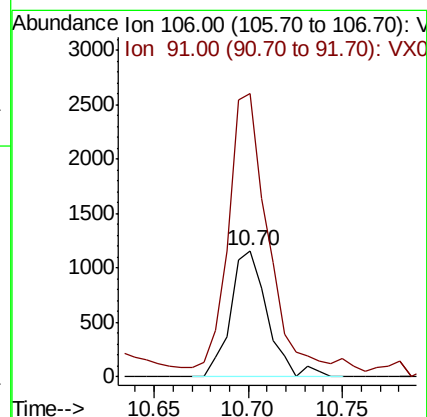
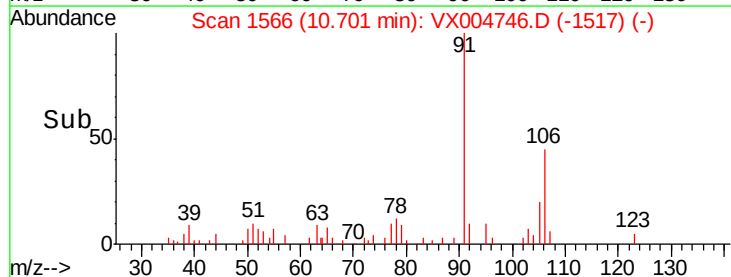
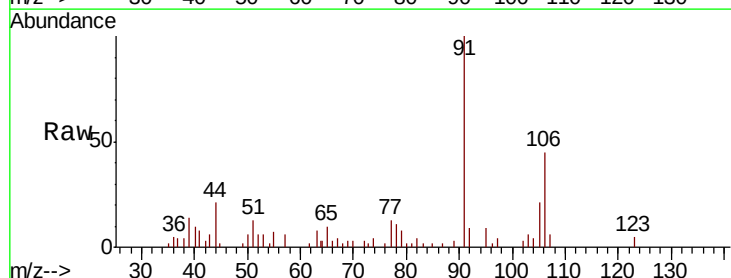
Acq: 27 Sep 2018 01:58

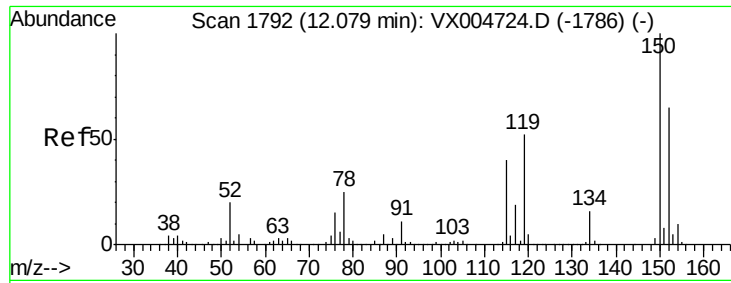
Tgt Ion:106 Resp: 1565

Ion Ratio Lower Upper

106 100

91 236.7 105.1 315.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004746.D

Acq: 27 Sep 2018 01:58

Instrument :

MSVOA_X

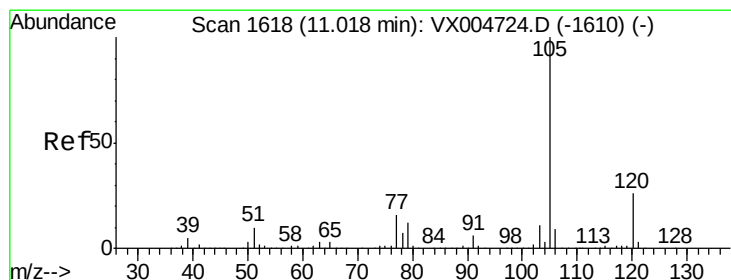
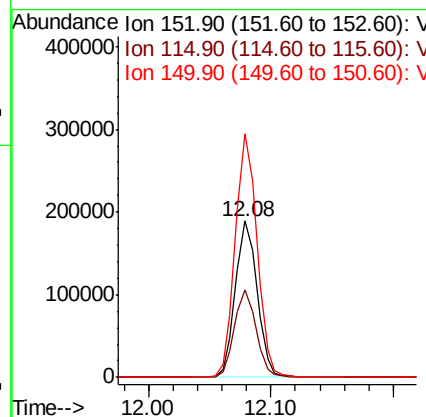
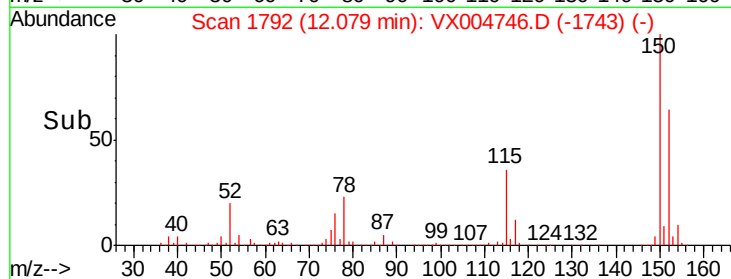
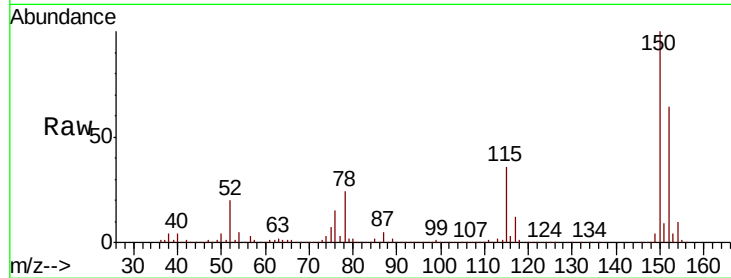
ClientSampleId :

DUP-092018-02

Tot Ion:	152	Resp:	232636
Ion Ratio	Lower	Upper	
152	100		
115	56.1	39.0	117.0
150	155.7	0.0	351.0

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#73

Isopropylbenzene

Concen: 0.600 ug/l

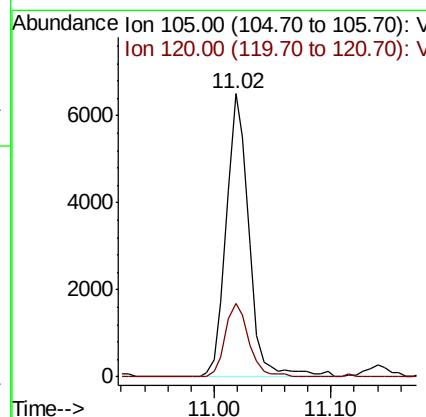
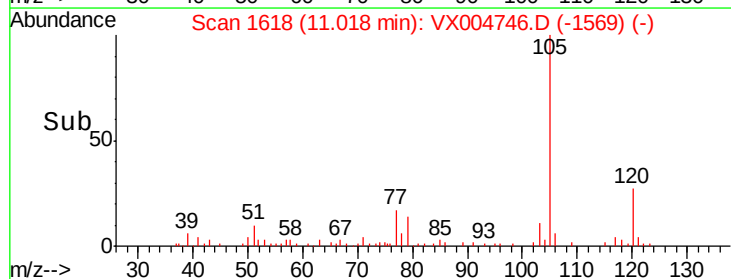
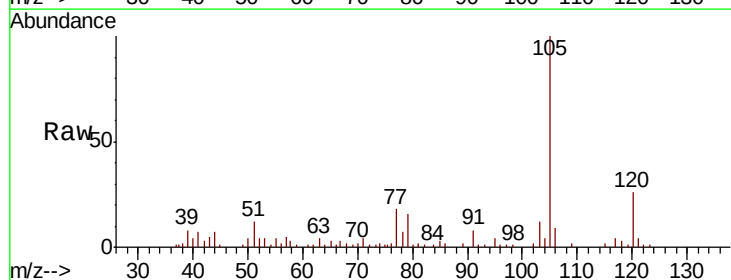
RT: 11.02 min Scan# 1618

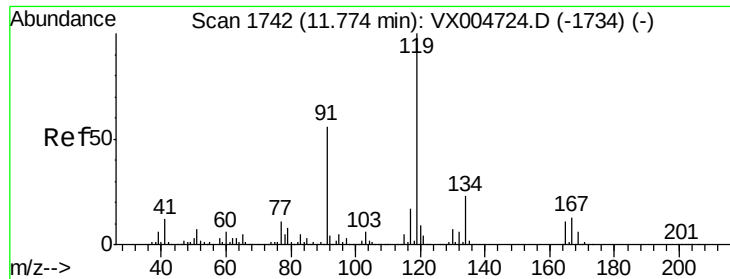
Delta R.T. 0.00 min

Lab File: VX004746.D

Acq: 27 Sep 2018 01:58

Tgt Ion:	105	Resp:	8797
Ion Ratio	Lower	Upper	
105	100		
120	26.8	13.5	40.4





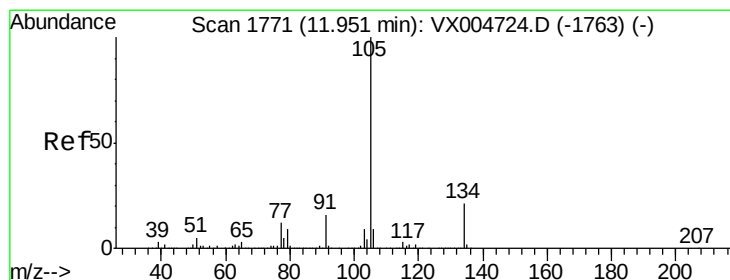
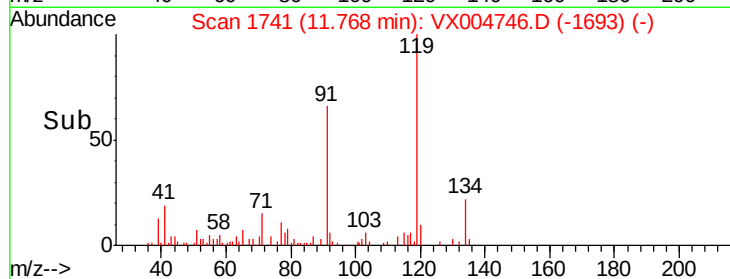
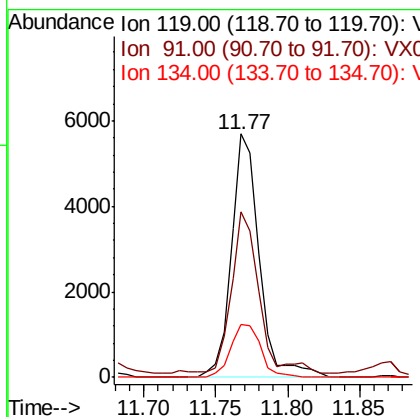
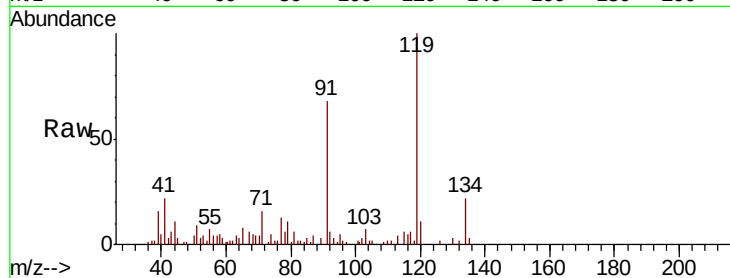
#83
tert-Butylbenzene
Concen: 0.640 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.01 min
Lab File: VX004746.D
Acq: 27 Sep 2018 01:58

Instrument :
MSVOA_X
ClientSampleId :
DUP-092018-02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	7725		
91	61.4		27.0	81.0
134	23.7		11.7	35.1

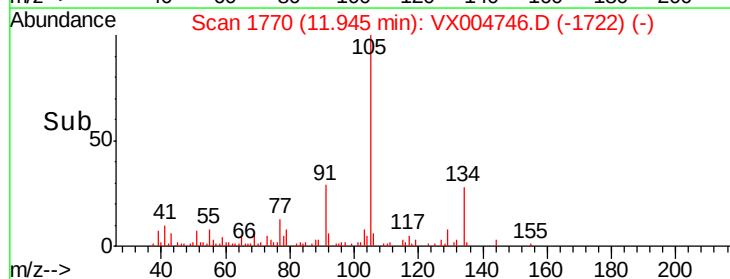
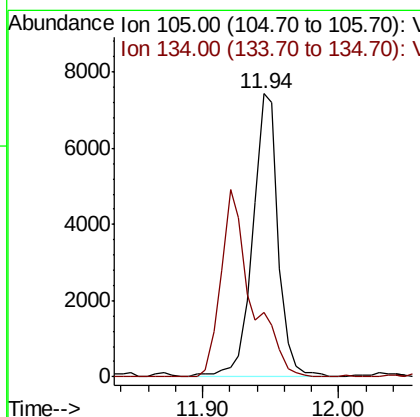
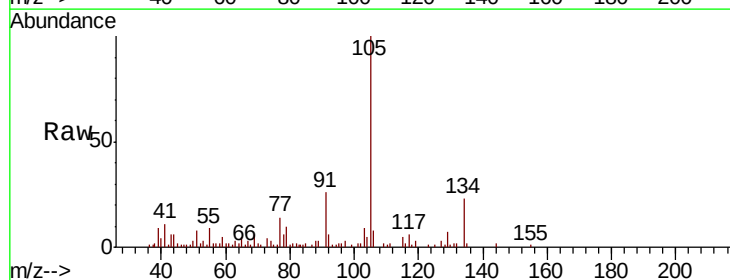
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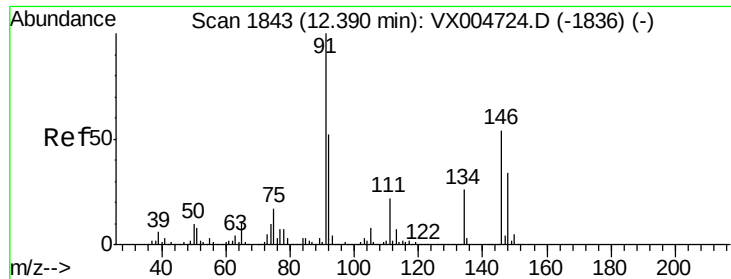
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#85
sec-Butylbenzene
Concen: 0.665 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. -0.01 min
Lab File: VX004746.D
Acq: 27 Sep 2018 01:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	9777		
134	0.0		10.5	31.5#





#89
 n-Butylbenzene
 Concen: 0.517 ug/l m
 RT: 12.38 min Scan# 1842
 Delta R.T. -0.01 min
 Lab File: VX004746.D
 Acq: 27 Sep 2018 01:58

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-092018-02

Tot Ion	Ratio	Lower	Upper
91	100		
92	61.4	27.3	81.9
134	184.5	13.6	40.7#

Manual Integrations
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