

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122618\
 Data File : VX006822.D
 Acq On : 26 Dec 2018 16:56
 Operator : JC/MD
 Sample : J6549-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-1

Manual Integrations
 APPROVED

MMDadoda
 12/27/2018 9:40:26 AM

Quant Time: Dec 27 09:15:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	750468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1089882	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1003618	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	512931	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	365156	45.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.30%	
35) Dibromofluoromethane	5.50	113	332933	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
50) Toluene-d8	8.71	98	1283490	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
62) 4-Bromofluorobenzene	11.13	95	477215	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.41	62	75641	9.792	ug/l	100
21) trans-1,2-Dichloroethene	3.17	96	22321	3.004	ug/l	92
27) cis-1,2-Dichloroethene	4.60	96	2324623	283.596	ug/l	93
31) Cyclohexane	5.57	56	8391	0.749	ug/l #	80
39) Methylcyclohexane	7.46	83	11487	0.967	ug/l #	89
40) Benzene	6.14	78	54437	1.984	ug/l	98
44) Trichloroethene	7.21	130	5085	0.612	ug/l	96
52) Toluene	8.79	92	1185560	66.881	ug/l	98
64) Tetrachloroethene	9.34	164	3916	0.493	ug/l #	82
67) Ethyl Benzene	10.25	91	472490	13.618	ug/l	99
68) m/p-Xylenes	10.36	106	1186924	86.696	ug/l	99
69) o-Xylene	10.69	106	627007	46.379	ug/l	97
73) Isopropylbenzene	11.02	105	42293	1.205	ug/l	97
78) n-propylbenzene	11.36	91	105471	2.729	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	874842	30.268	ug/l	100
83) tert-Butylbenzene	11.77	119	47362	1.637	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	1583715	52.094	ug/l	98
85) sec-Butylbenzene	11.94	105	27568m	0.777	ug/l	
86) p-Isopropyltoluene	12.06	119	85008	2.727	ug/l	98
95) Naphthalene	13.83	128	442317	11.746	ug/l	98

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

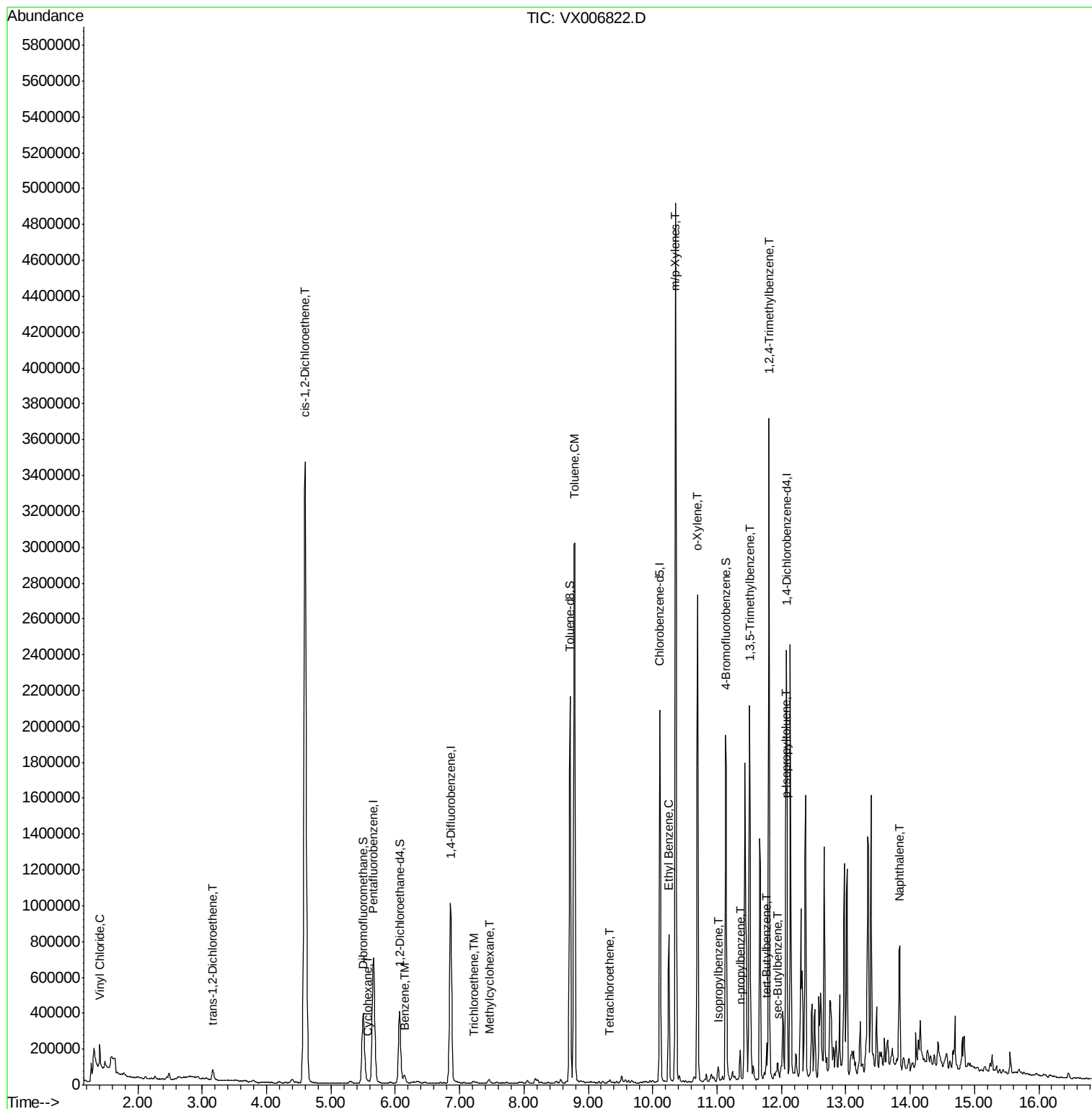
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX122618\
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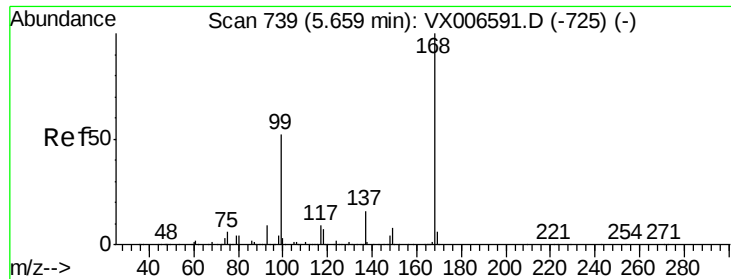
Instrument :
MSVOA_X
ClientSampleId :
DUP-1

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Quant Time: Dec 27 09:15:39 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 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: VX006822.D

Acq: 26 Dec 2018 16:56

Instrument :

MSVOA_X

ClientSampled :

DUP-1

Tot Ion:168 Resp: 750468

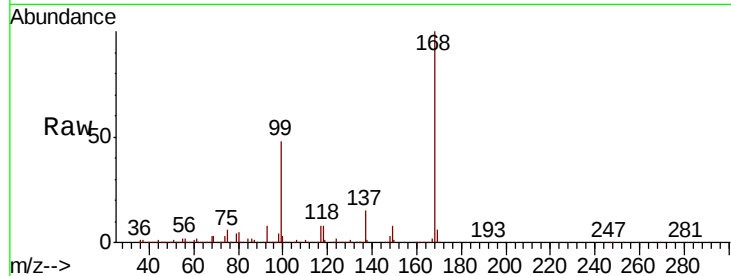
Ion Ratio Lower Upper

168 100

99 48.3 41.8 62.8

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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

250000

200000

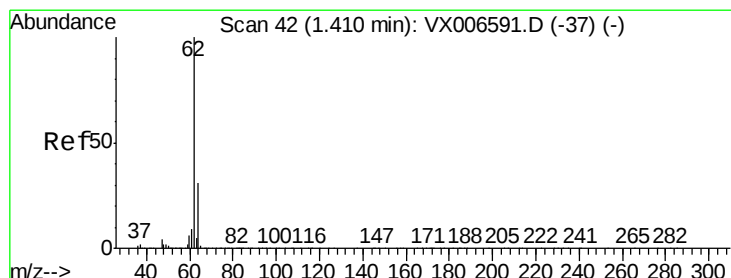
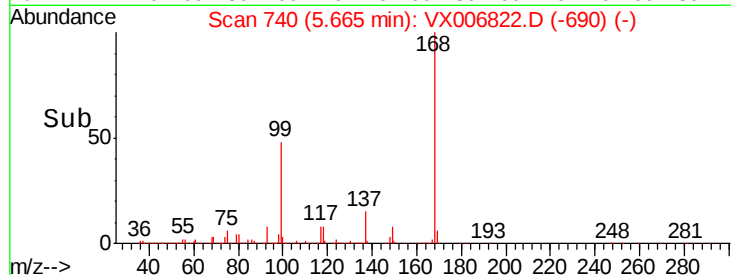
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 9.792 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006822.D

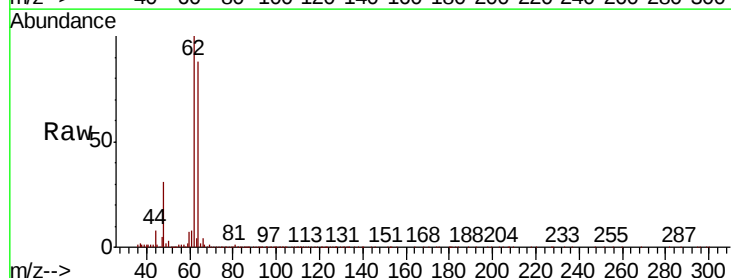
Acq: 26 Dec 2018 16:56

Tgt Ion: 62 Resp: 75641

Ion Ratio Lower Upper

62 100

64 31.2 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VX0

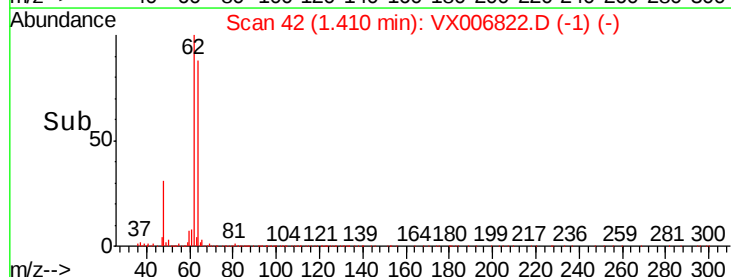
Ion 63.90 (63.60 to 64.60): VX0

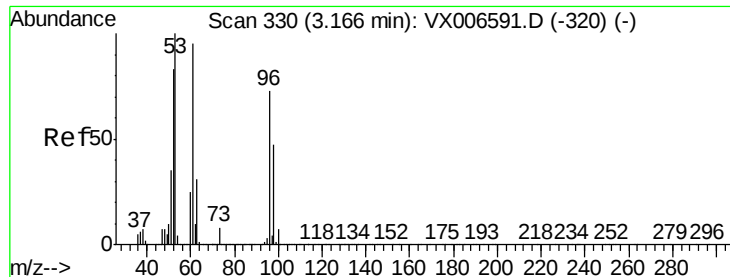
100000

50000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 3.004 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX006822.D

Acq: 26 Dec 2018 16:56

Instrument :

MSVOA_X

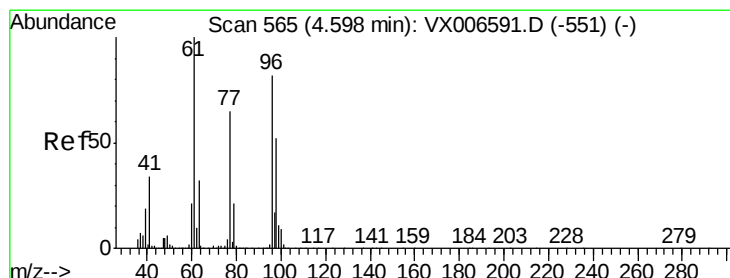
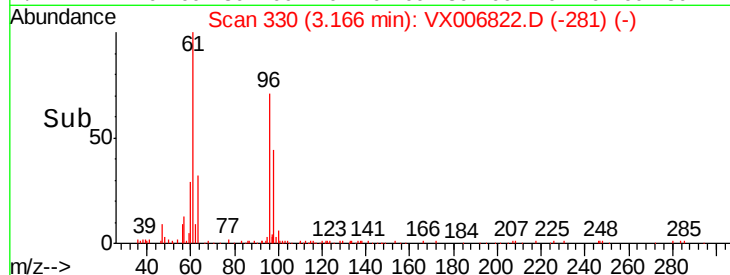
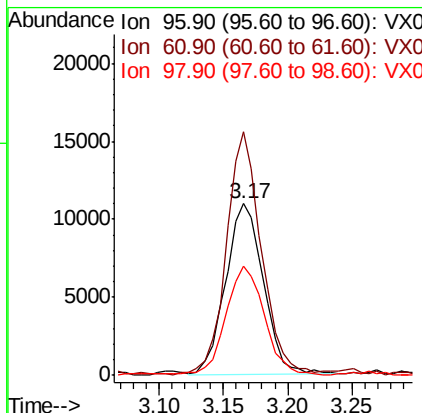
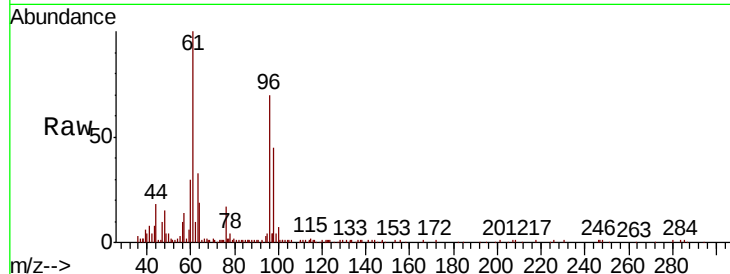
ClientSampleId :

DUP-1

Tot Ion:	96	Resp:	22321
Ion	Ratio	Lower	Upper
96	100		
61	142.0	103.7	155.5
98	62.5	51.0	76.6

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#27

cis-1,2-Dichloroethene

Concen: 283.596 ug/l

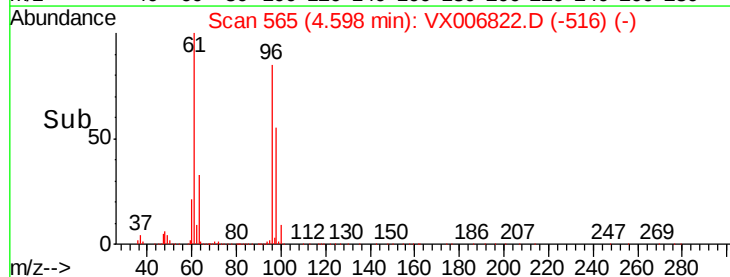
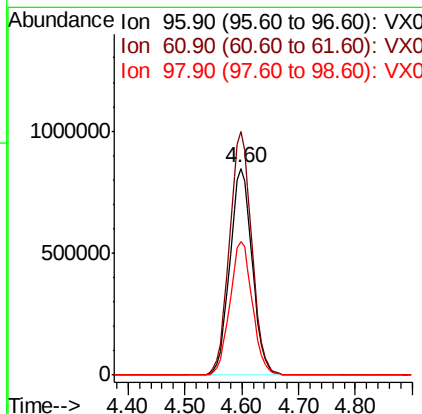
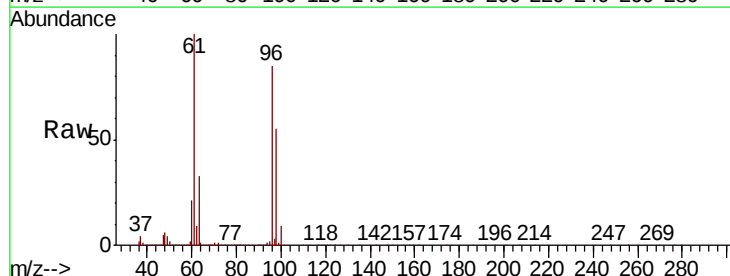
RT: 4.60 min Scan# 565

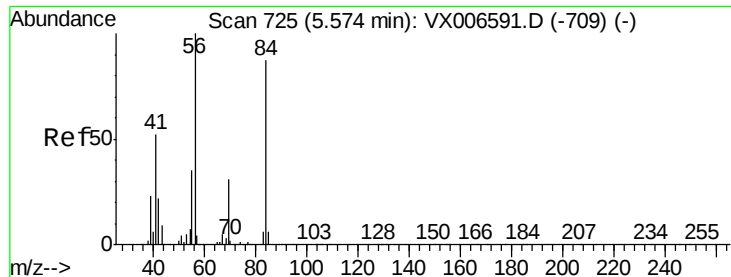
Delta R.T. 0.00 min

Lab File: VX006822.D

Acq: 26 Dec 2018 16:56

Tgt Ion:	96	Resp:	2324623
Ion	Ratio	Lower	Upper
96	100		
61	117.3	0.0	258.6
98	64.7	0.0	132.0





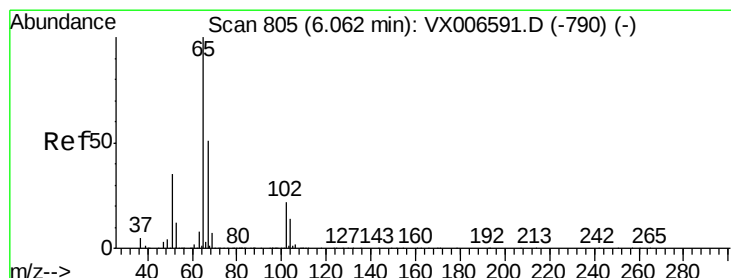
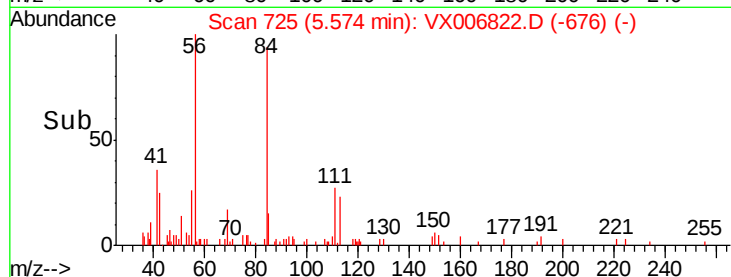
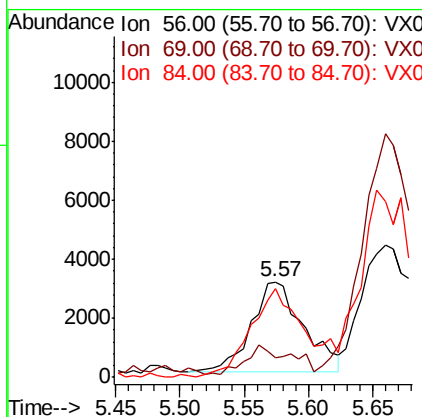
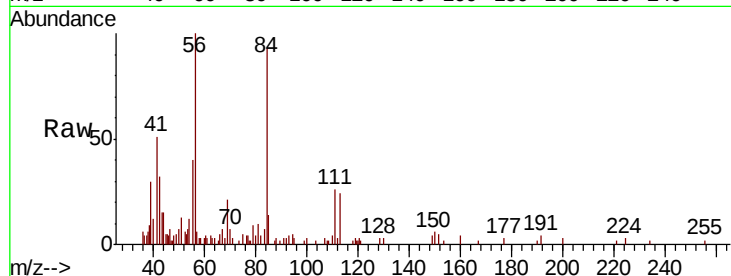
#31
Cyclohexane
Concen: 0.749 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX006822.D
Acq: 26 Dec 2018 16:56

Instrument :
MSVOA_X
ClientSampled :
DUP-1

Tot Ion	Ratio	Lower	Upper
56	100		
69	13.0	24.4	36.6#
84	101.9	70.0	105.0

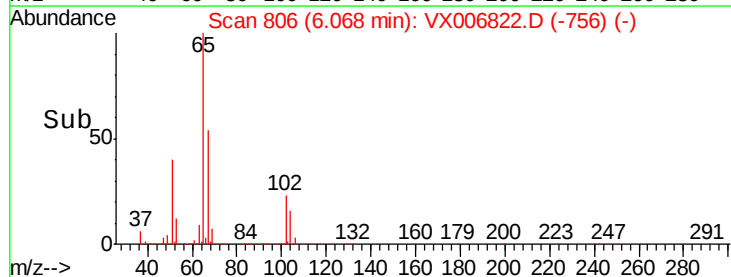
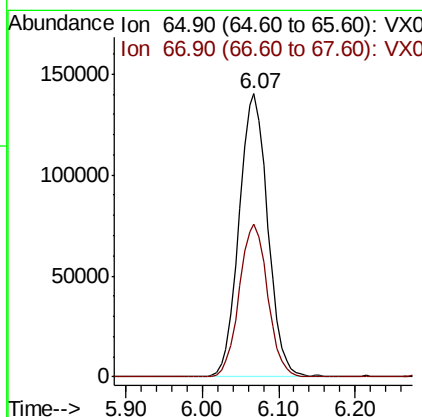
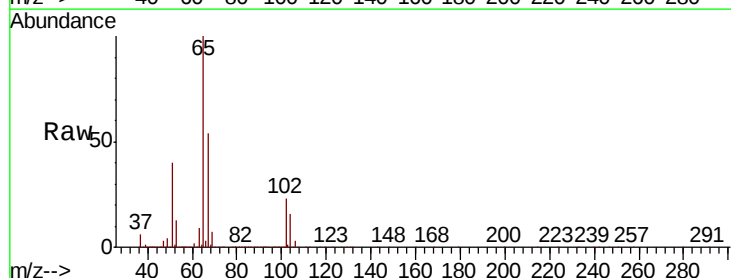
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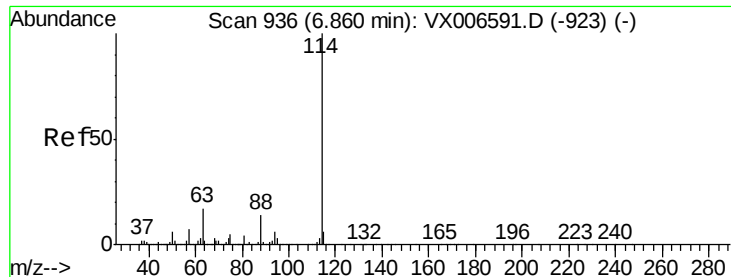
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#33
1,2-Dichloroethane-d4
Concen: 45.147 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX006822.D
Acq: 26 Dec 2018 16:56

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006822.D

Acq: 26 Dec 2018 16:56

Instrument :

MSVOA_X

ClientSampleId :

DUP-1

Tot Ion:114 Resp: 1089882

Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.8

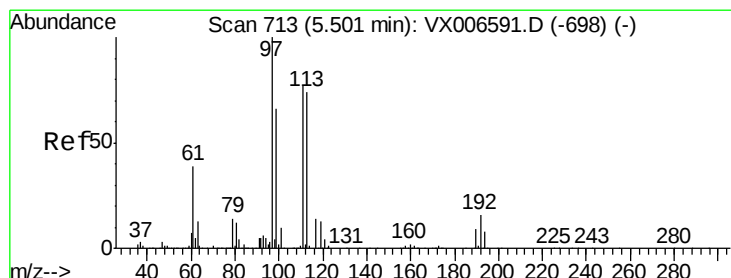
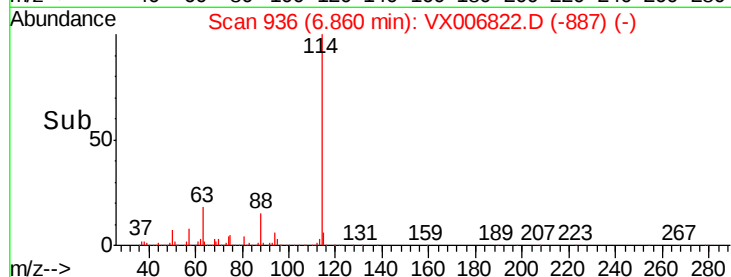
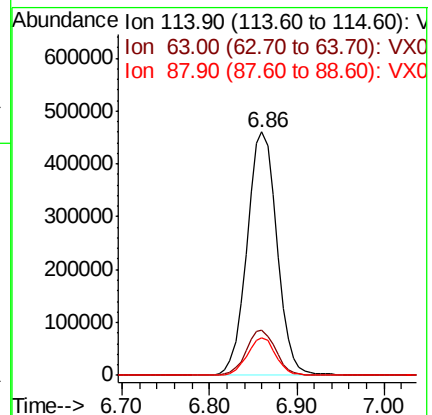
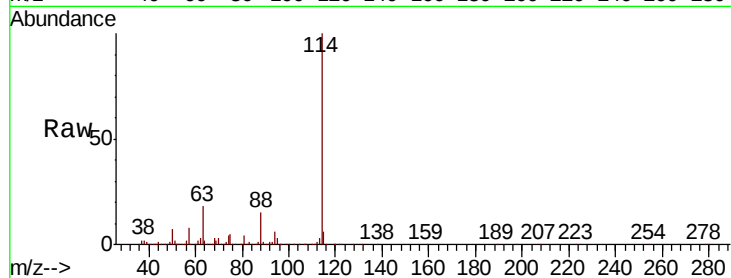
88 15.3 0.0 28.8

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#35

Dibromofluoromethane

Concen: 48.306 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006822.D

Acq: 26 Dec 2018 16:56

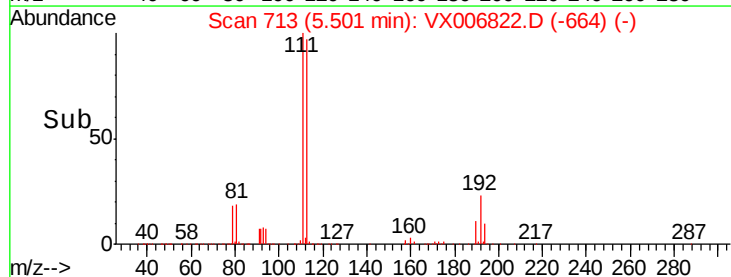
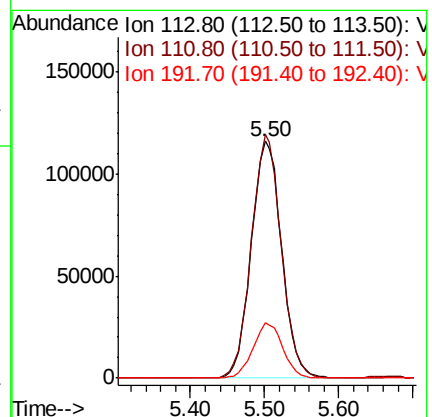
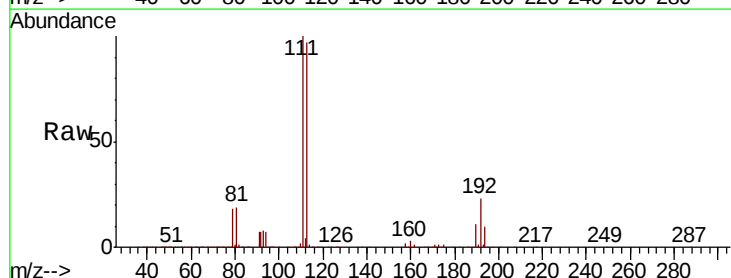
Tgt Ion:113 Resp: 332933

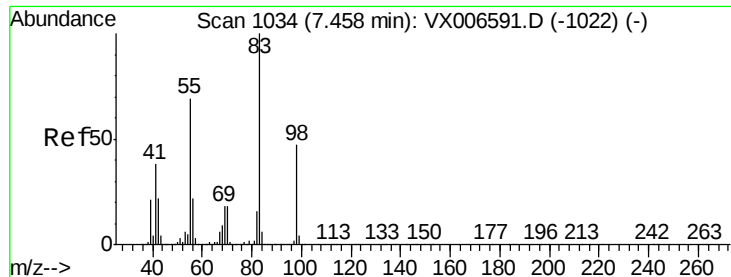
Ion Ratio Lower Upper

113 100

111 100.9 81.6 122.4

192 22.8 16.7 25.1





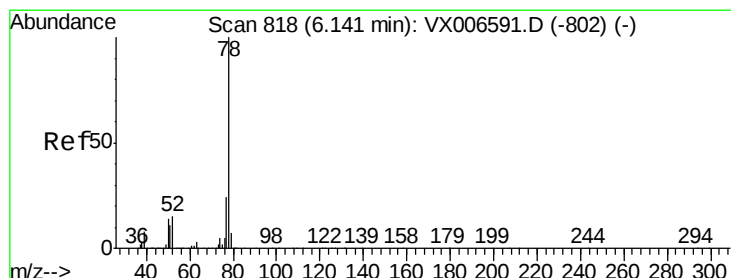
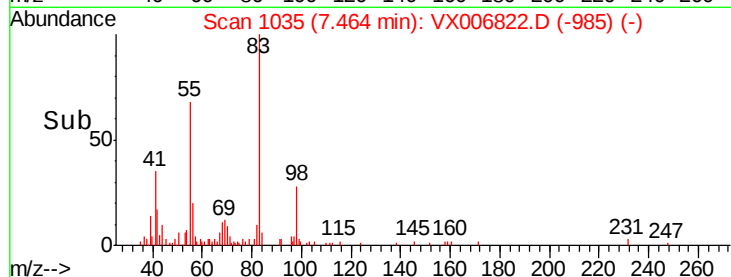
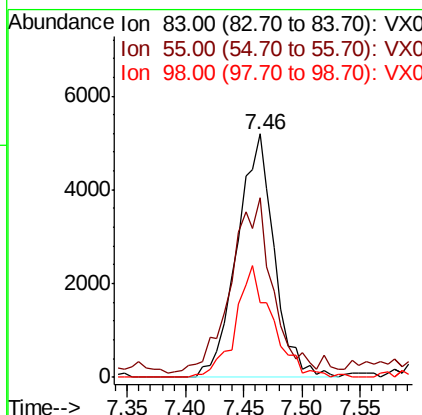
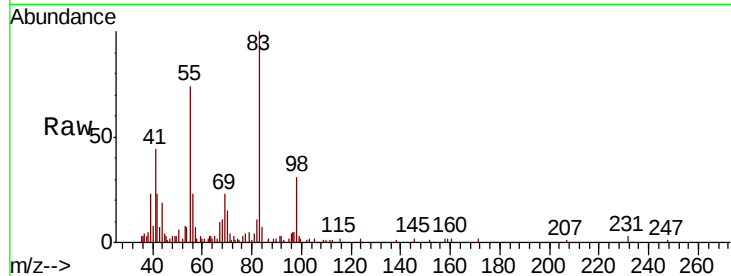
#39
Methylcyclohexane
Concen: 0.967 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006822.D
Acq: 26 Dec 2018 16:56

Instrument :
MSVOA_X
ClientSampleId :
DUP-1

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.5	54.9	82.3
98	30.9	37.9	56.9#

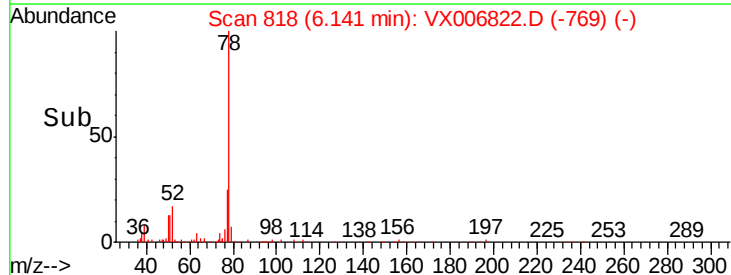
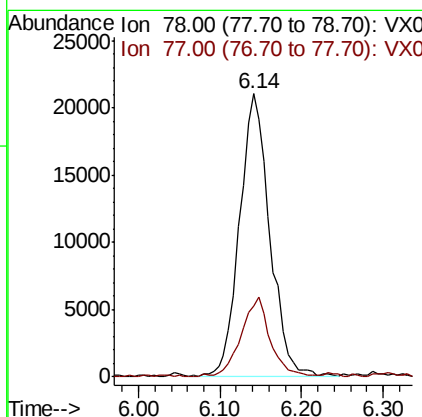
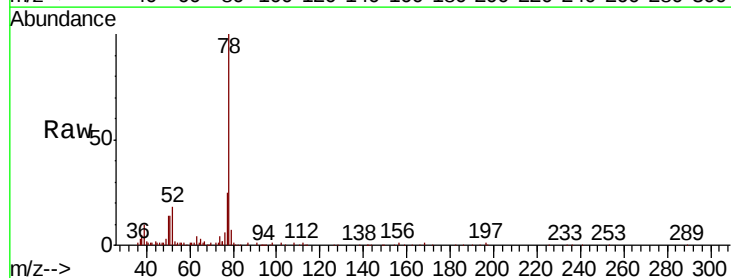
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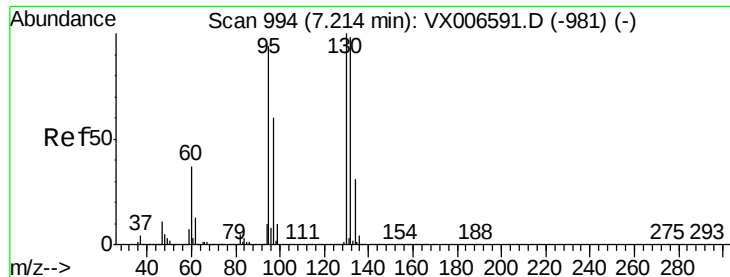
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#40
Benzene
Concen: 1.984 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006822.D
Acq: 26 Dec 2018 16:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.2	28.8





#44

Trichloroethene

Concen: 0.612 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX006822.D

Acq: 26 Dec 2018 16:56

Instrument :

MSVOA_X

ClientSampled :

DUP-1

Tot Ion:130 Resp: 5085

Ion Ratio Lower Upper

130 100

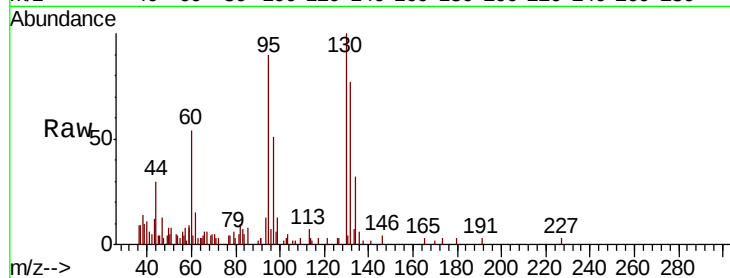
95 89.8 0.0 187.0

Manual Integrations

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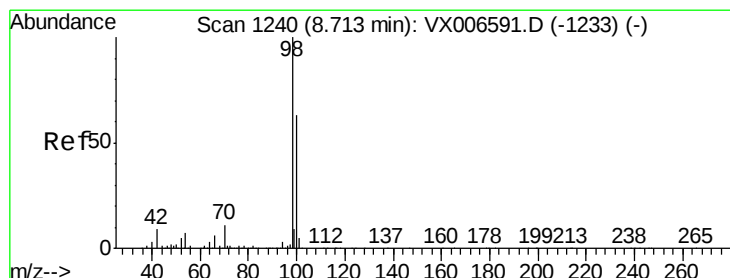
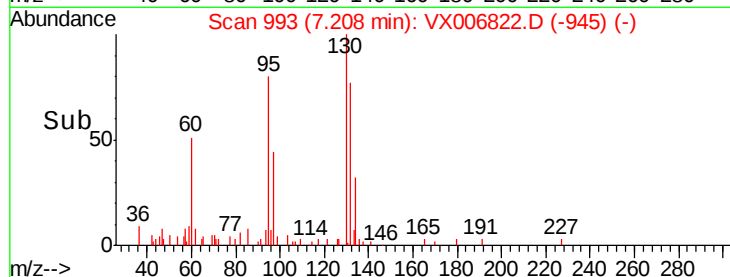
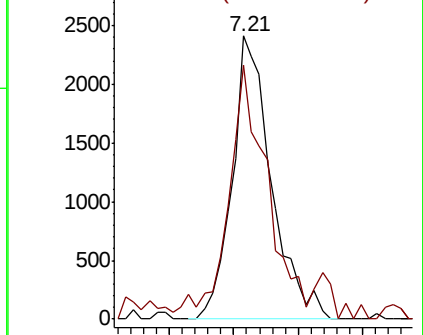
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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 49.396 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006822.D

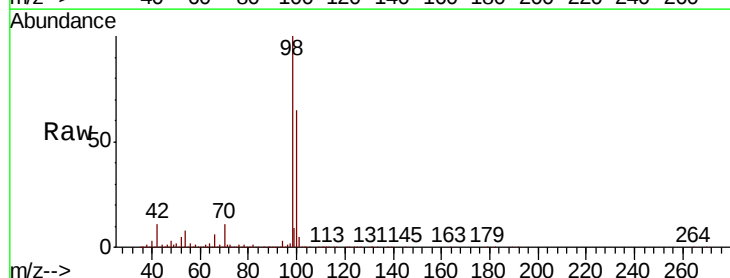
Acq: 26 Dec 2018 16:56

Tgt Ion: 98 Resp: 1283490

Ion Ratio Lower Upper

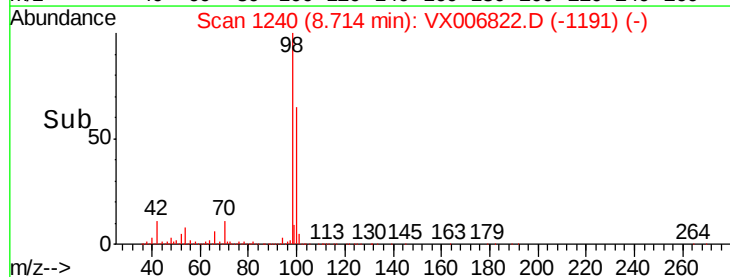
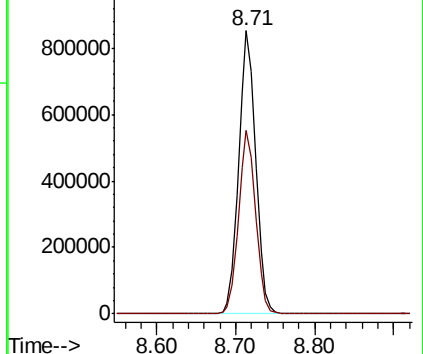
98 100

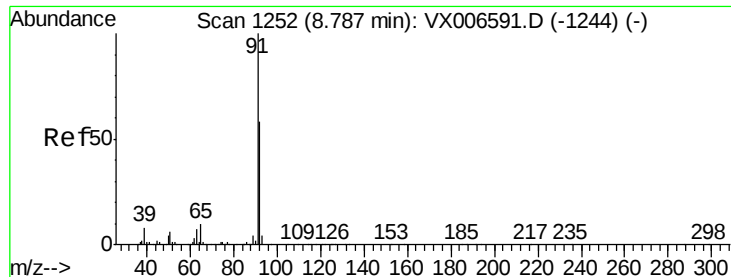
100 64.9 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 66.881 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX006822.D

Acq: 26 Dec 2018 16:56

Instrument :

MSVOA_X

ClientSampled :

DUP-1

Tot Ion: 92 Resp: 1185560

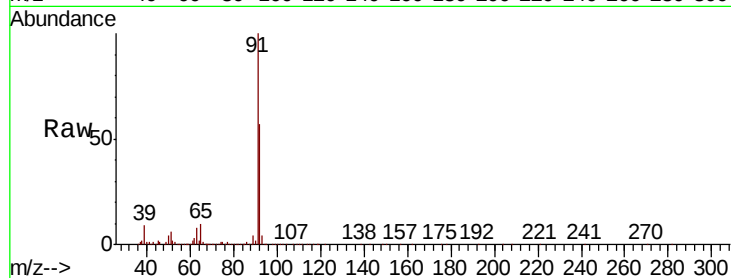
Ion Ratio Lower Upper

92 100

91 174.2 137.6 206.4

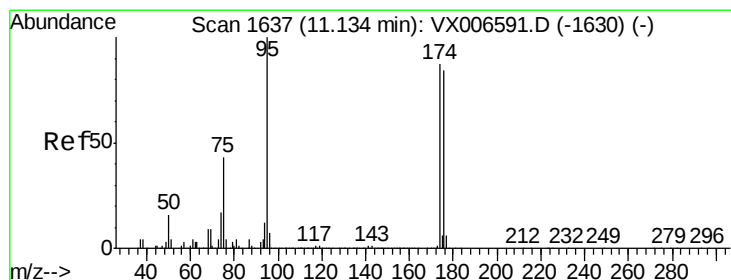
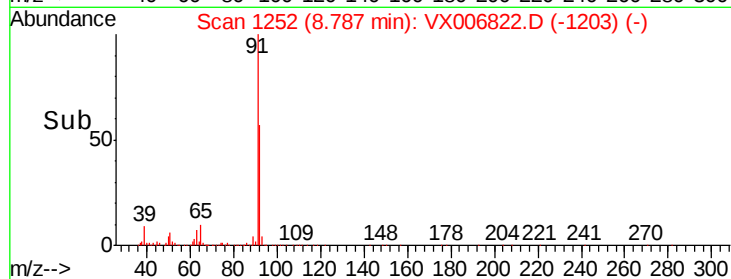
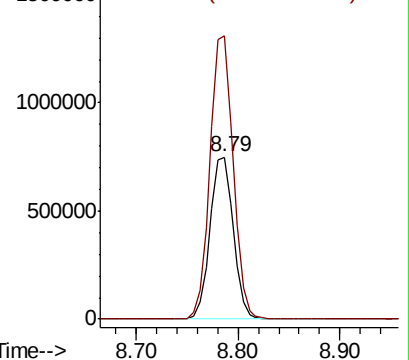
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Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 50.147 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX006822.D

Acq: 26 Dec 2018 16:56

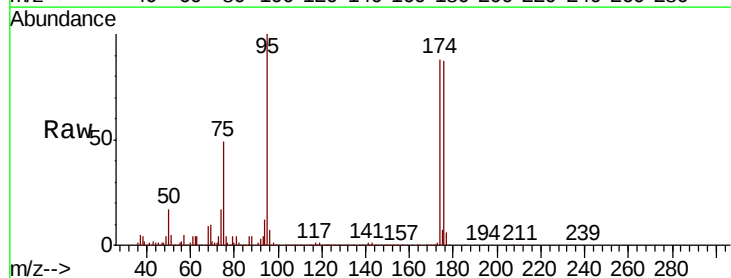
Tgt Ion: 95 Resp: 477215

Ion Ratio Lower Upper

95 100

174 94.3 0.0 182.2

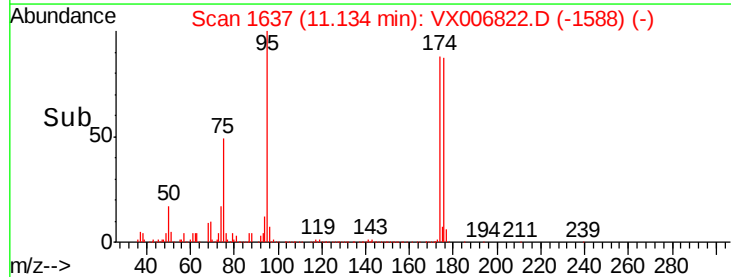
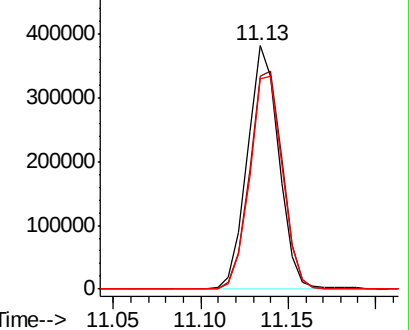
176 91.3 0.0 178.8

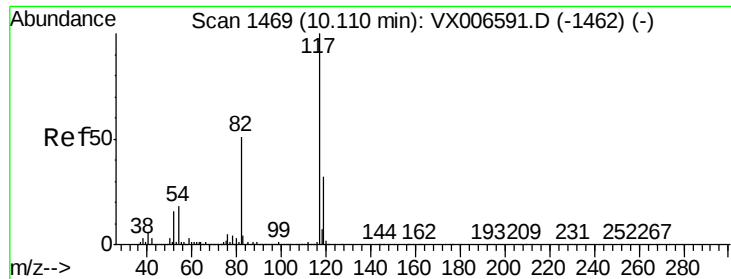


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





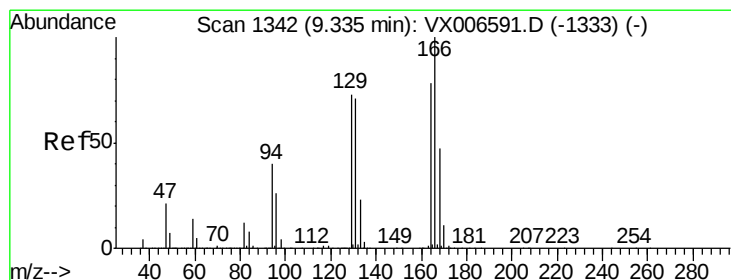
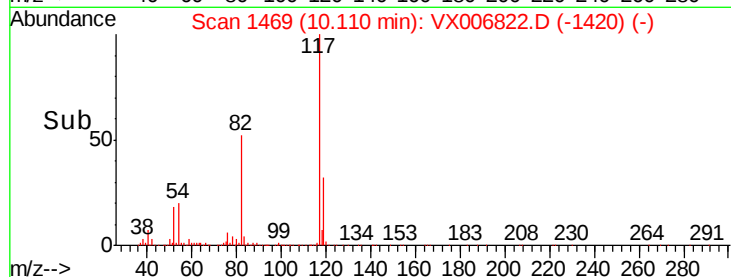
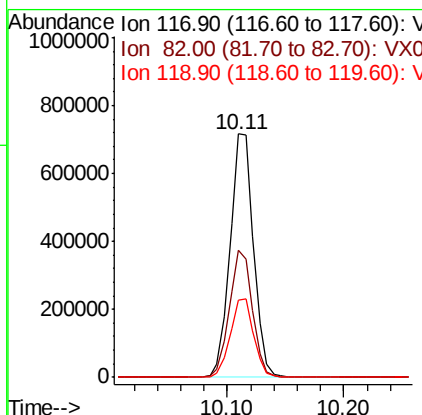
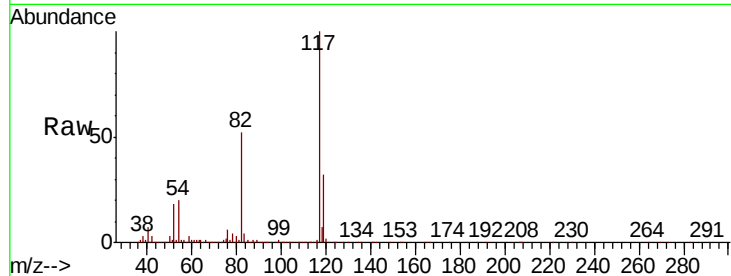
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX006822.D
Acq: 26 Dec 2018 16:56

Instrument :
MSVOA_X
ClientSampled :
DUP-1

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	41.0	61.6
119	31.5	25.4	38.0

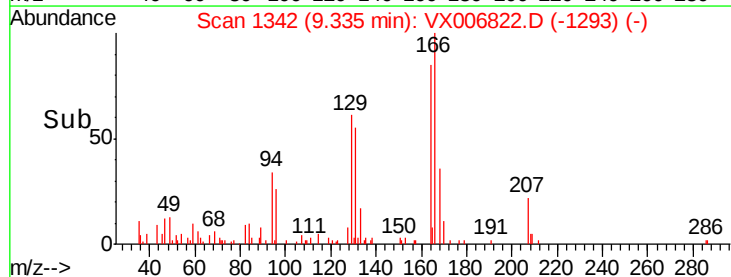
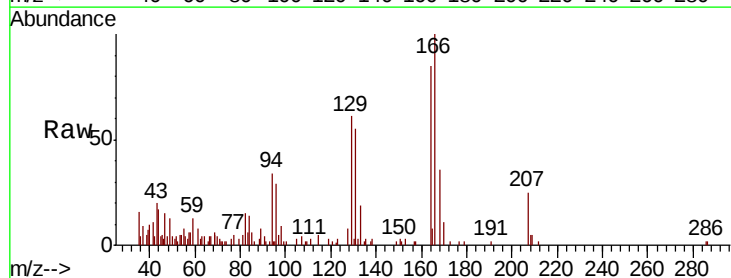
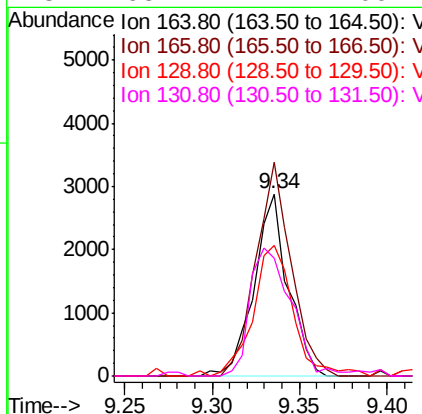
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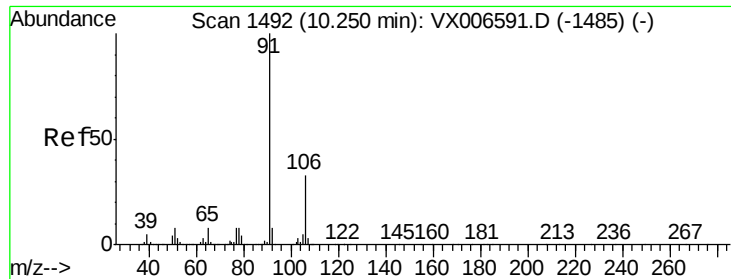
MMDadoda
12/27/2018 9:40:26 AM



#64
Tetrachloroethene
Concen: 0.493 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006822.D
Acq: 26 Dec 2018 16:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	117.5	102.5	153.7
129	72.0	75.1	112.7#
131	65.1	72.7	109.1#





#67

Ethyl Benzene

Concen: 13.618 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006822.D

Acq: 26 Dec 2018 16:56

Instrument :

MSVOA_X

ClientSampled :

DUP-1

Tot Ion: 91 Resp: 472490

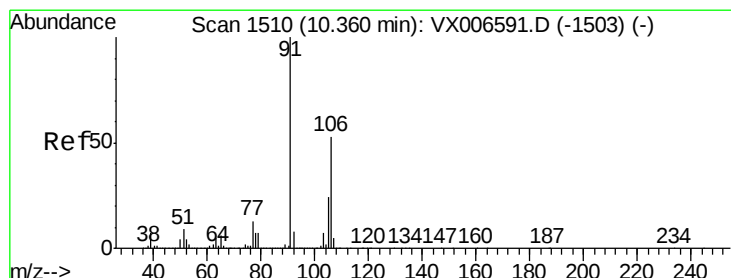
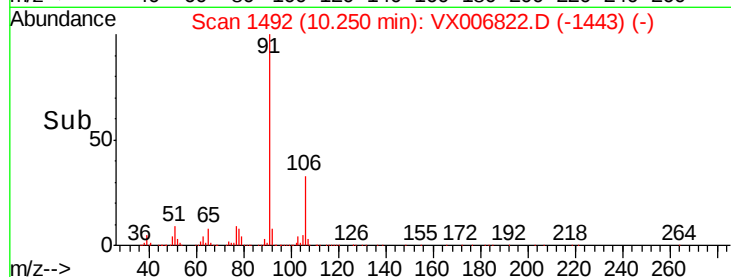
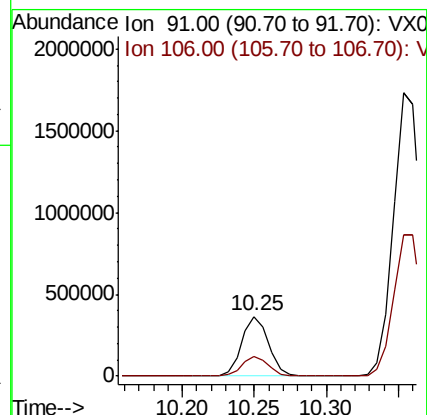
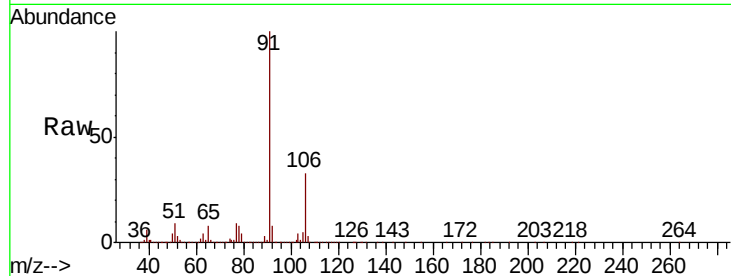
Ion Ratio Lower Upper

91 100

106 32.5 26.4 39.6

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#68

m/p-Xylenes

Concen: 86.696 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006822.D

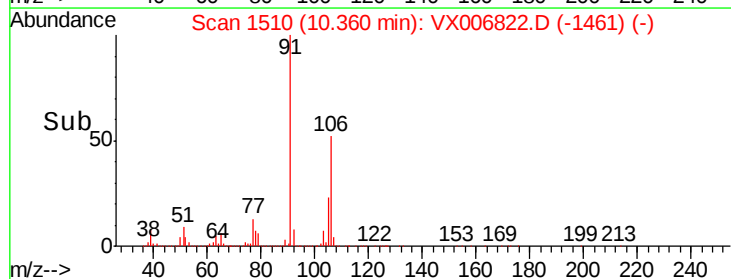
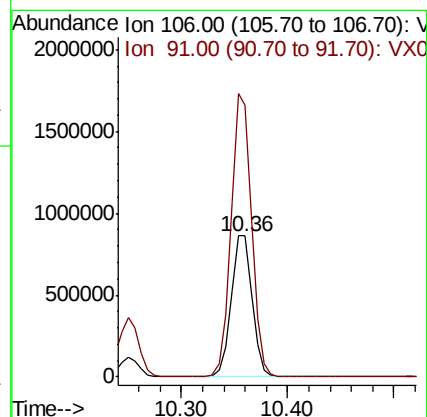
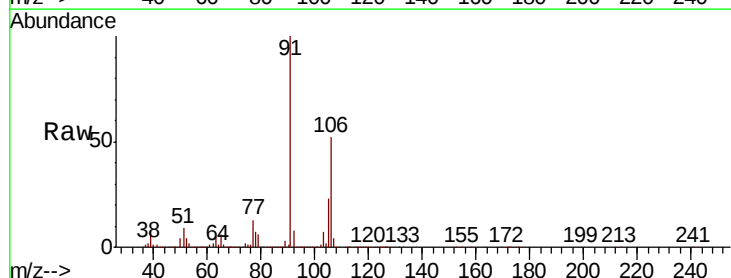
Acq: 26 Dec 2018 16:56

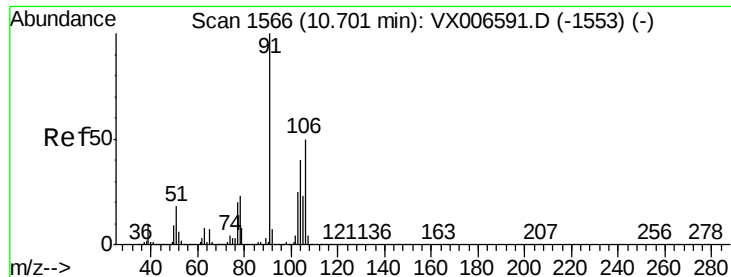
Tgt Ion: 106 Resp: 1186924

Ion Ratio Lower Upper

106 100

91 196.7 155.8 233.6





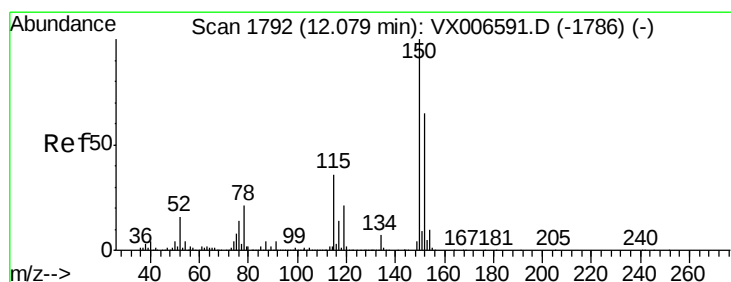
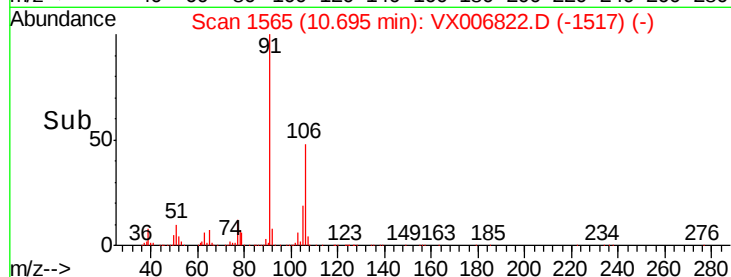
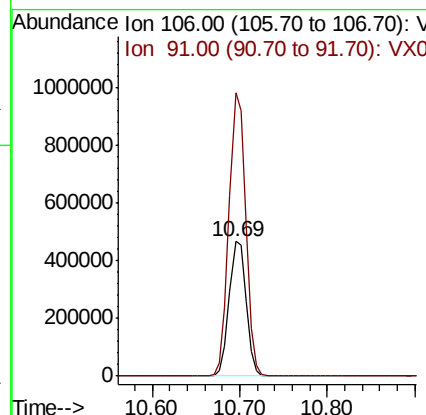
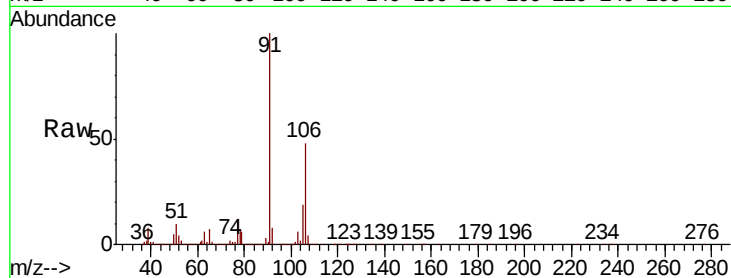
#69
o-Xylene
Concen: 46.379 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX006822.D
Acq: 26 Dec 2018 16:56

Instrument :
MSVOA_X
ClientSampleID :
DUP-1

Tot Ion:106 Resp: 627007
Ion Ratio Lower Upper
106 100
91 207.7 101.3 303.7

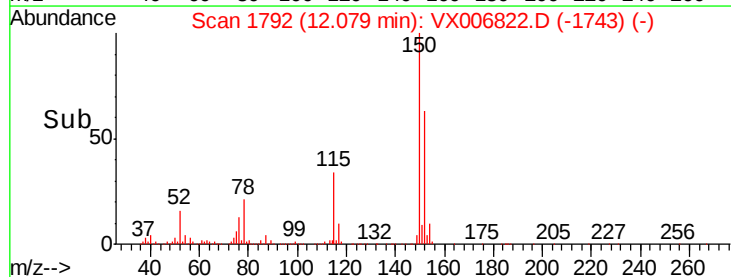
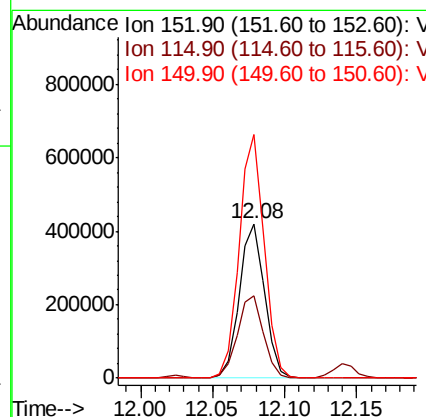
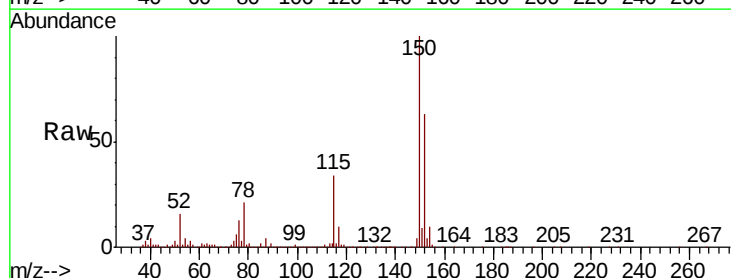
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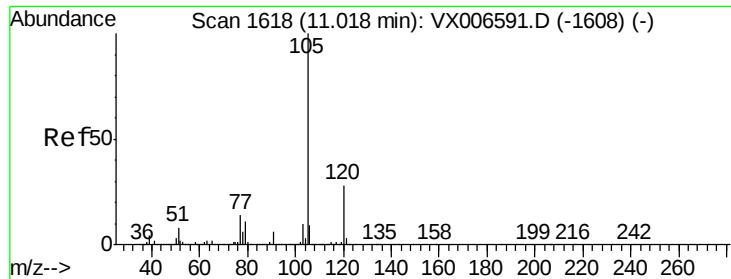
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006822.D
Acq: 26 Dec 2018 16:56

Tgt Ion:152 Resp: 512931
Ion Ratio Lower Upper
152 100
115 55.3 39.1 117.2
150 157.0 0.0 344.8





#73

Isopropylbenzene

Concen: 1.205 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006822.D

Acq: 26 Dec 2018 16:56

Instrument :

MSVOA_X

ClientSampleId :

DUP-1

Tot Ion: 105 Resp: 42293

Ion Ratio Lower Upper

105 100

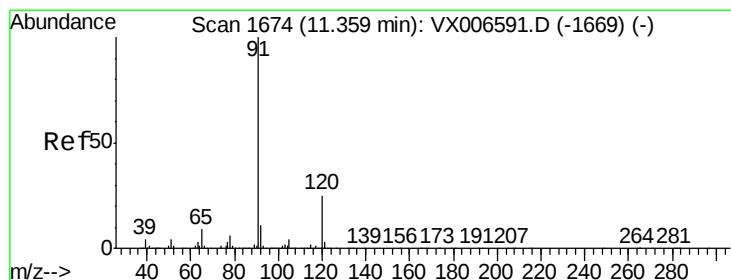
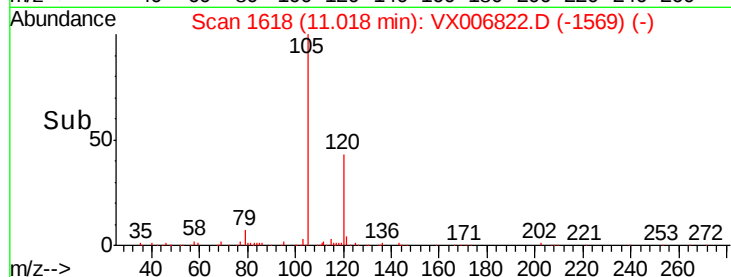
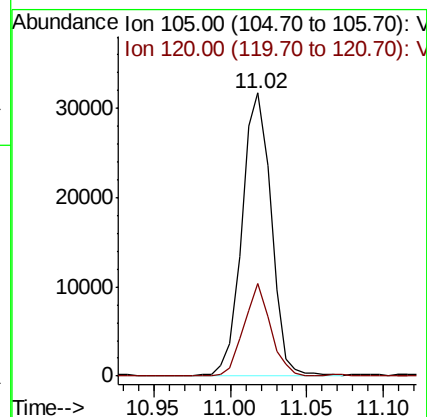
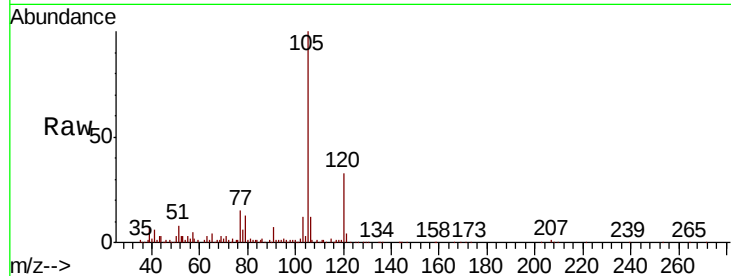
120 29.7 14.1 42.4

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#78

n-propylbenzene

Concen: 2.729 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX006822.D

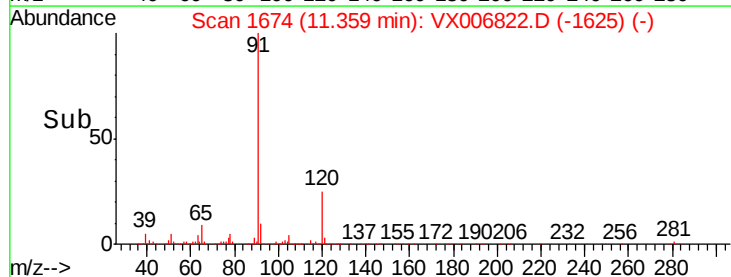
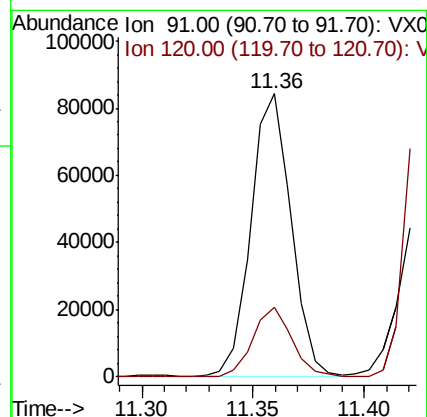
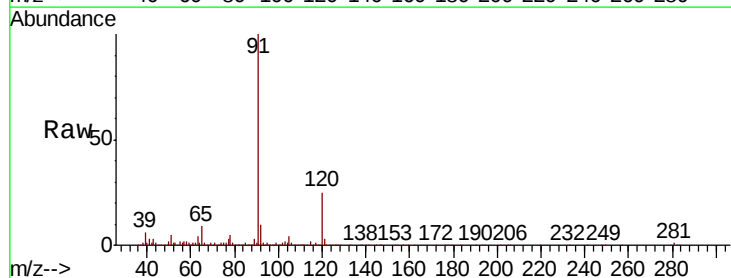
Acq: 26 Dec 2018 16:56

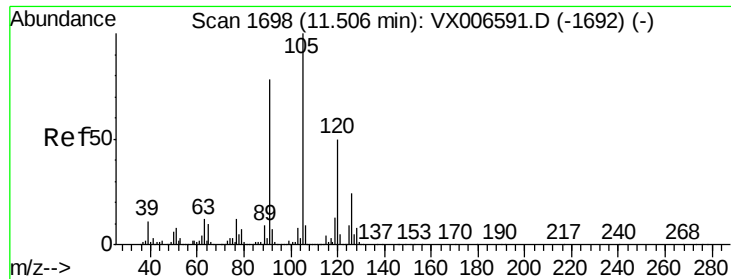
Tgt Ion: 91 Resp: 105471

Ion Ratio Lower Upper

91 100

120 24.3 12.7 38.0





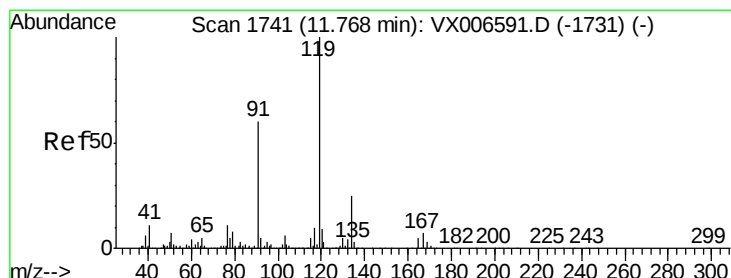
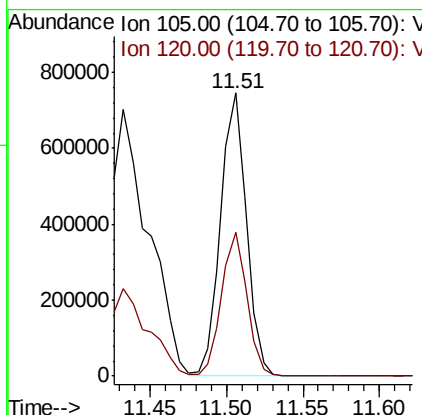
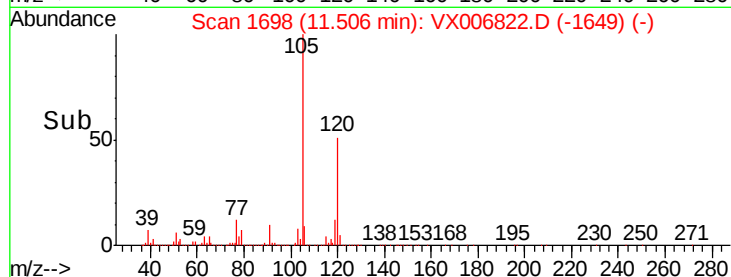
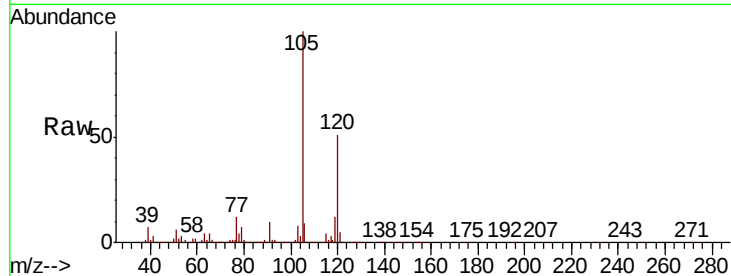
#80
 1,3,5-Trimethylbenzene
 Concen: 30.268 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX006822.D
 Acq: 26 Dec 2018 16:56

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-1

Tot Ion:105 Resp: 874842
 Ion Ratio Lower Upper
 105 100
 120 50.1 25.1 75.3

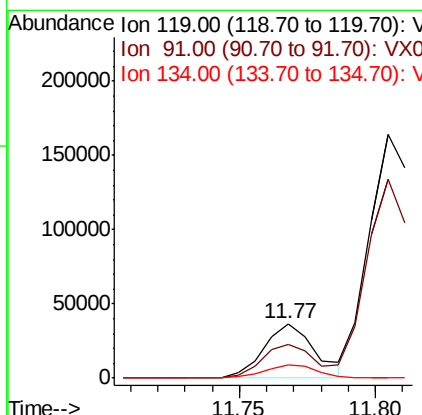
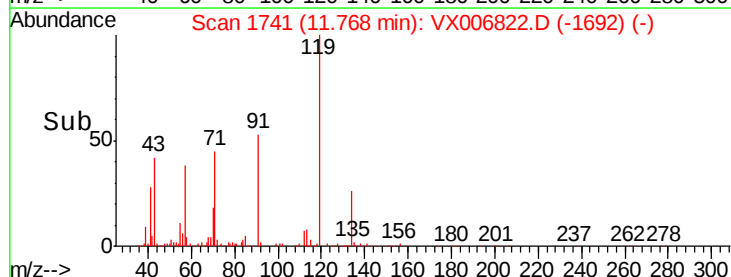
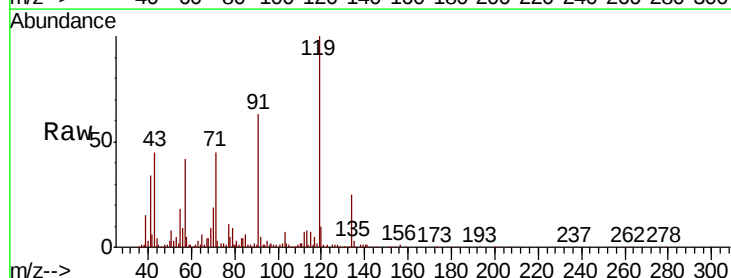
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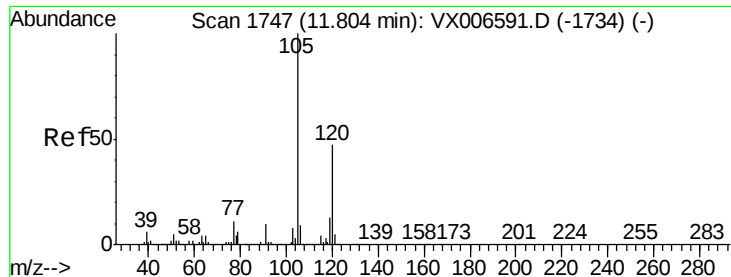
MMDadoda
 12/27/2018 9:40:26 AM



#83
 tert-Butylbenzene
 Concen: 1.637 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX006822.D
 Acq: 26 Dec 2018 16:56

Tgt Ion:119 Resp: 47362
 Ion Ratio Lower Upper
 119 100
 91 60.7 27.7 83.1
 134 24.8 11.9 35.5





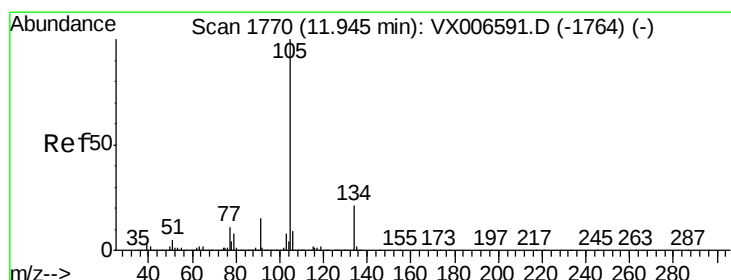
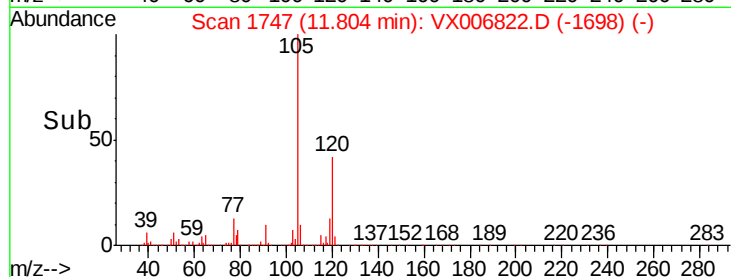
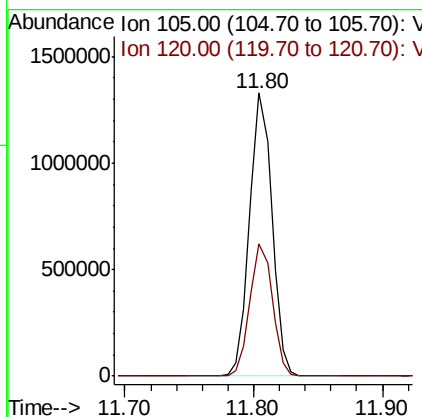
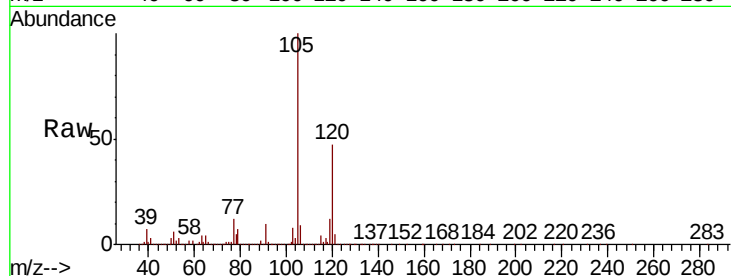
#84
1,2,4-Trimethylbenzene
Concen: 52.094 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX006822.D
Acq: 26 Dec 2018 16:56

Instrument :
MSVOA_X
ClientSampled :
DUP-1

Tot Ion:105 Resp: 1583715
Ion Ratio Lower Upper
105 100
120 47.6 23.2 69.6

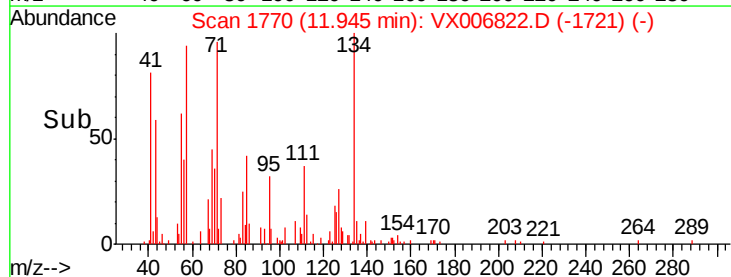
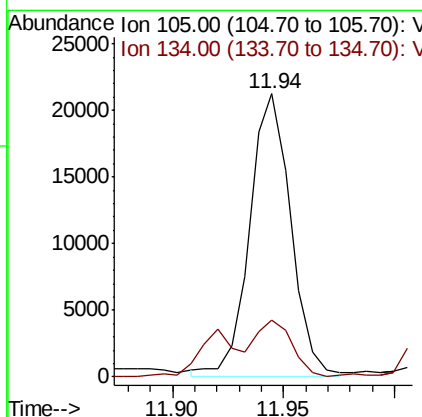
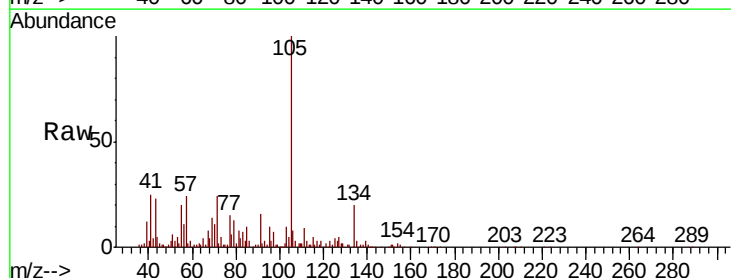
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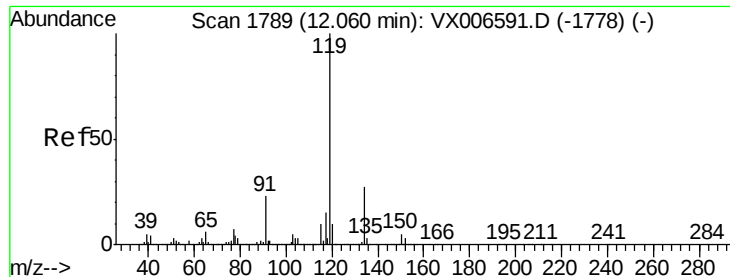
MMDadoda
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#85
sec-Butylbenzene
Concen: 0.777 ug/l m
RT: 11.94 min Scan# 1770
Delta R.T. 0.00 min
Lab File: VX006822.D
Acq: 26 Dec 2018 16:56

Tgt Ion:105 Resp: 27568
Ion Ratio Lower Upper
105 100
134 0.0 10.7 31.9#





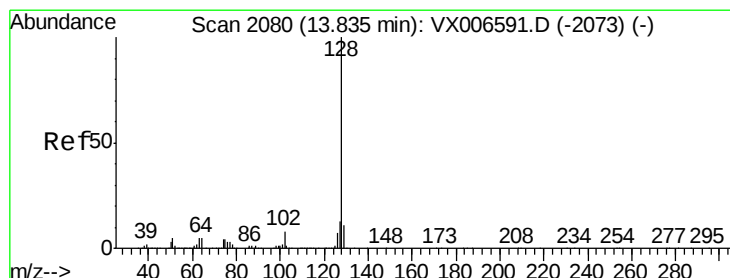
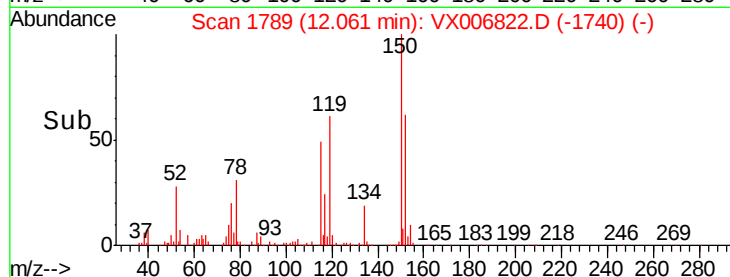
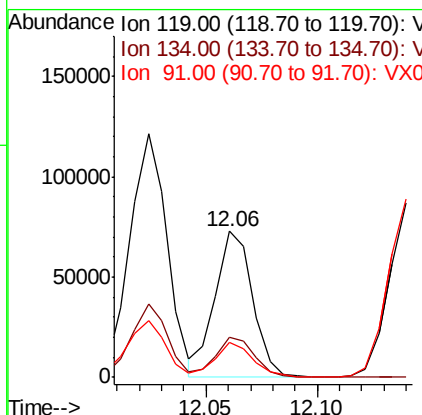
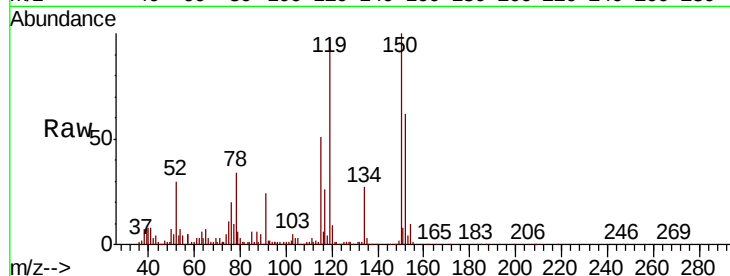
#86
p-Isopropyltoluene
Concen: 2.727 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX006822.D
Acq: 26 Dec 2018 16:56

Instrument :
MSVOA_X
ClientSampleId :
DUP-1

Tot Ion	Ratio	Lower	Upper
119	100		
134	28.8	14.0	41.9
91	23.7	11.3	33.9

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#95
Naphthalene
Concen: 11.746 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006822.D
Acq: 26 Dec 2018 16:56

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.1	15.1
129	11.4	8.6	13.0

