

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092818\
 Data File : VX004831.D
 Acq On : 28 Sep 2018 19:39
 Operator : JC/MD
 Sample : J5130-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-JBW-7333-9001

Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 1:31:29 PM

Quant Time: Sep 29 07:20:38 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	238938	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	390443	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	381059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	228358	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	179039	52.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.90%	
35) Dibromofluoromethane	5.50	113	149189	45.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.18%	
50) Toluene-d8	8.72	98	559468	50.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.72%	
62) 4-Bromofluorobenzene	11.14	95	220898	55.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.48%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.40	62	37811	10.200	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	31822	10.051	ug/l	96
31) Cyclohexane	5.57	56	448304	103.228	ug/l	91
39) Methylcyclohexane	7.46	83	408574	88.626	ug/l	91
40) Benzene	6.15	78	297087	21.019	ug/l	100
44) Trichloroethene	7.21	130	1976	0.569	ug/l	86
52) Toluene	8.79	92	31647	4.075	ug/l	96
67) Ethyl Benzene	10.26	91	396182	25.538	ug/l	98
68) m/p-Xylenes	10.36	106	319750	52.745	ug/l	94
69) o-Xylene	10.70	106	7872	1.414	ug/l	93
73) Isopropylbenzene	11.02	105	153329	10.652	ug/l	99
78) n-propylbenzene	11.36	91	203669	12.332	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	207596	15.600	ug/l	96
83) tert-Butylbenzene	11.77	119	7116	0.600	ug/l	89
84) 1,2,4-Trimethylbenzene	11.81	105	510597	37.481	ug/l	99
85) sec-Butylbenzene	11.94	105	68095	4.717	ug/l #	77
86) p-Isopropyltoluene	12.07	119	45541	3.482	ug/l	96
89) n-Butylbenzene	12.38	91	31257m	2.632	ug/l	
95) Naphthalene	13.83	128	57300	3.693	ug/l	96

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

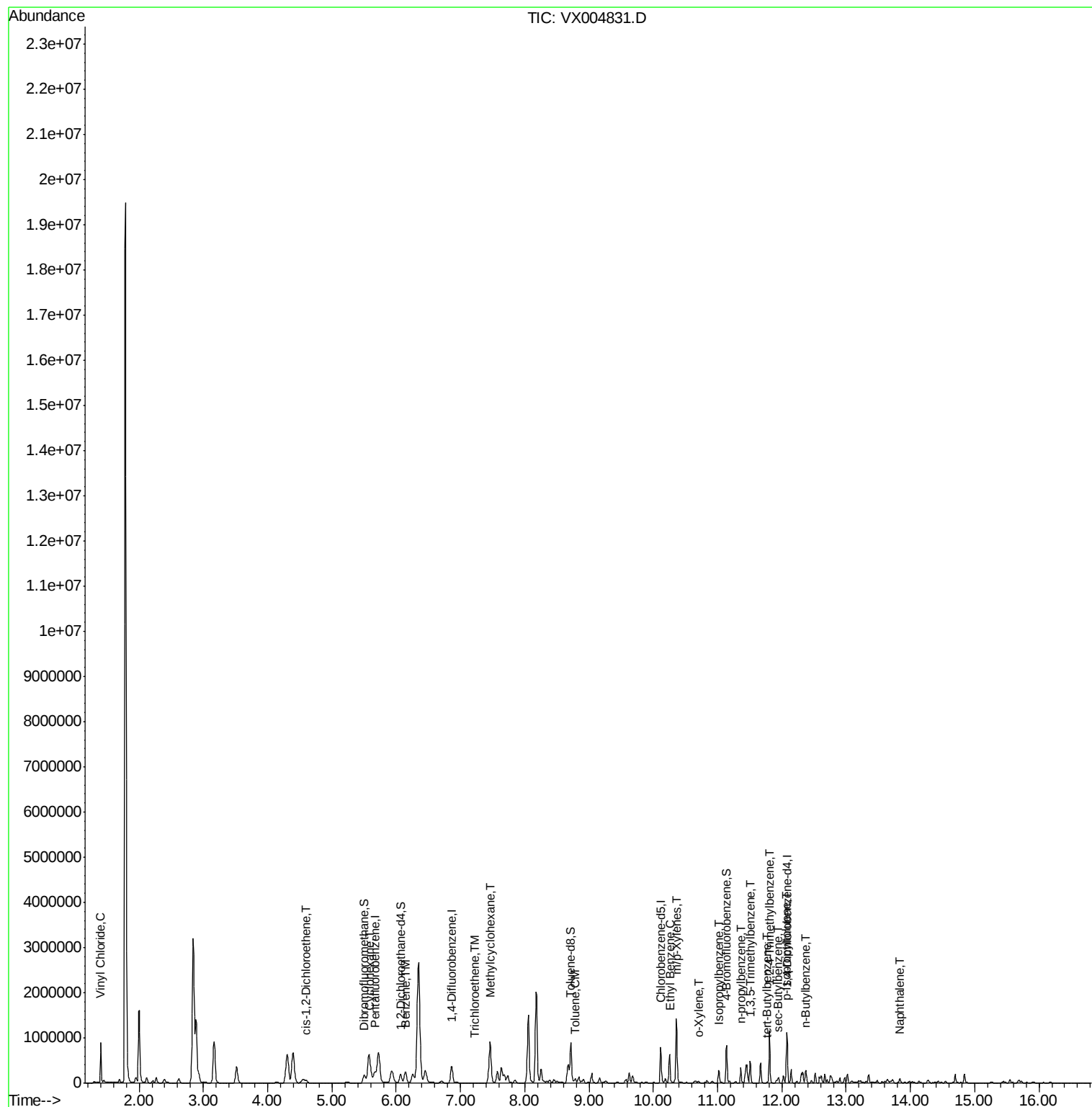
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092818\
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Quant Time: Sep 29 07:20:38 2018
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Quant Title : SW846 8260
QLast Update : Wed Sep 26 14:17:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004831.D

Acq: 28 Sep 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

FA18-JBW-7333-9001

Tot Ion:168 Resp: 238938

Ion Ratio Lower Upper

168 100

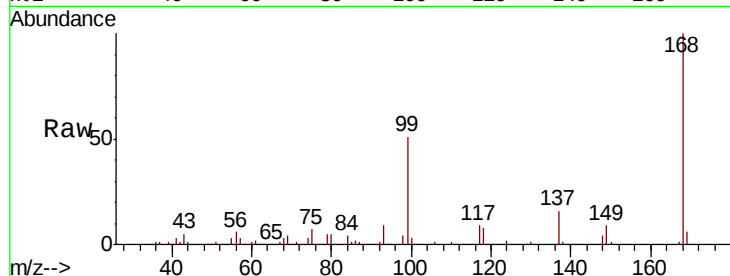
99 51.1 39.9 59.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

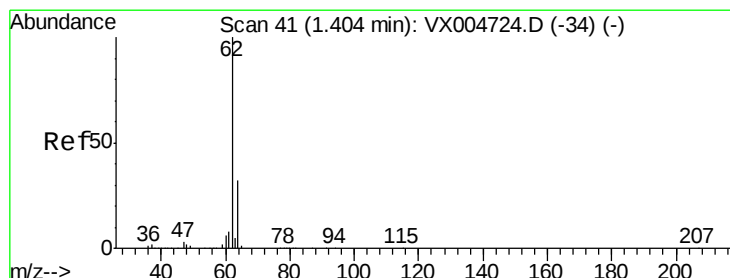
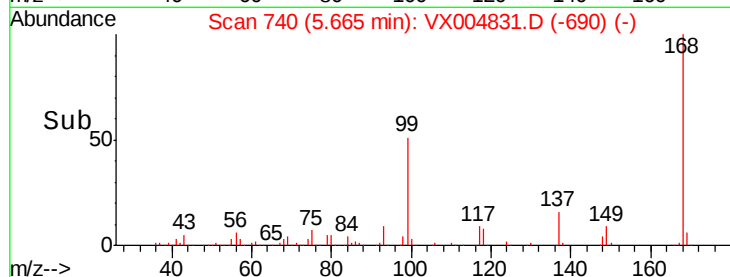
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 10.200 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004831.D

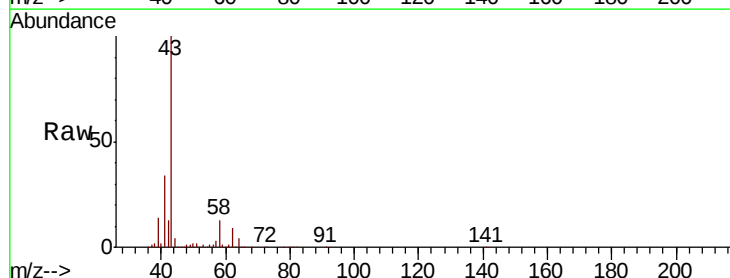
Acq: 28 Sep 2018 19:39

Tgt Ion: 62 Resp: 37811

Ion Ratio Lower Upper

62 100

64 31.2 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

40000

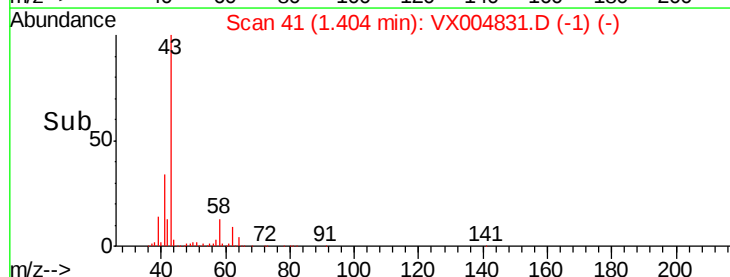
30000

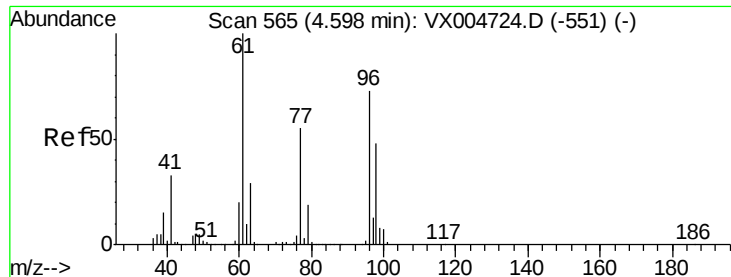
20000

10000

0

Time--> 1.35 1.40 1.45 1.50





#27

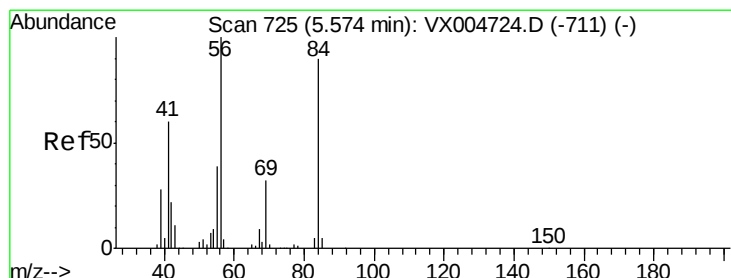
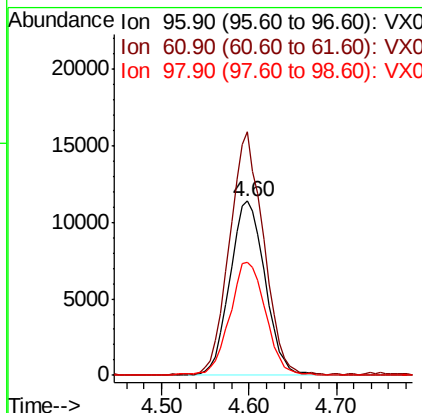
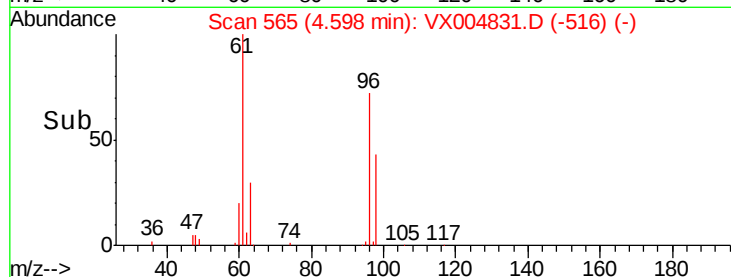
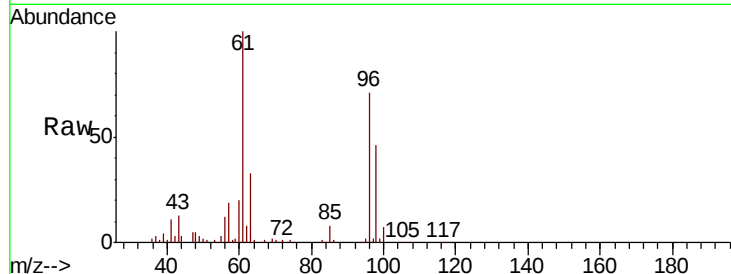
cis-1,2-Dichloroethene
Concen: 10.051 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX004831.D
Acq: 28 Sep 2018 19:39

Instrument :
MSVOA_X
ClientSampleId :
FA18-JBW-7333-9001

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.1	0.0	282.6
98	66.3	0.0	130.2

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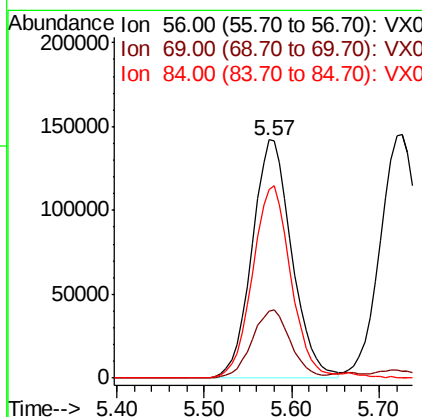
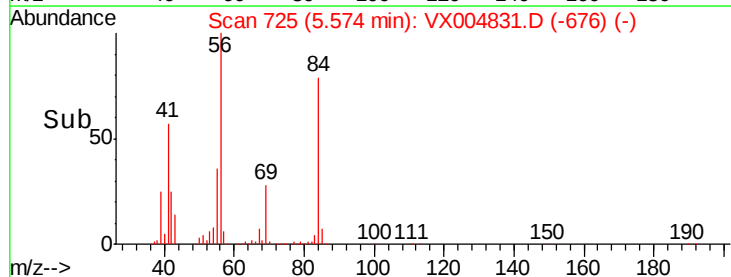
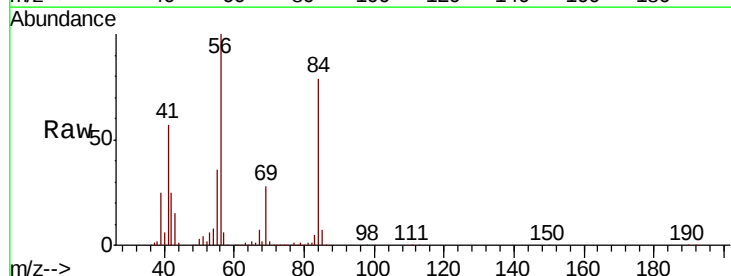
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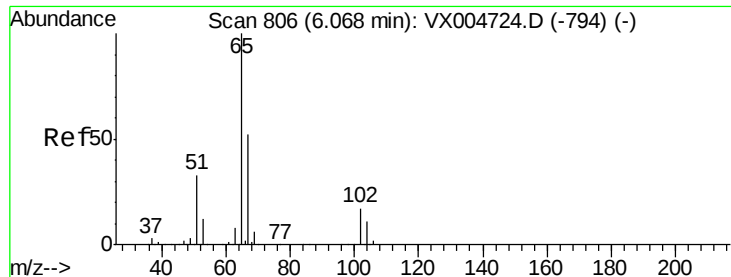


#31

Cyclohexane
Concen: 103.228 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX004831.D
Acq: 28 Sep 2018 19:39

Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.3	25.4	38.2
84	79.5	71.4	107.2





#33

1,2-Dichloroethane-d4

Concen: 52.454 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004831.D

Acq: 28 Sep 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

FA18-JBW-7333-9001

Tot Ion: 65 Resp: 179039

Ion Ratio Lower Upper

65 100

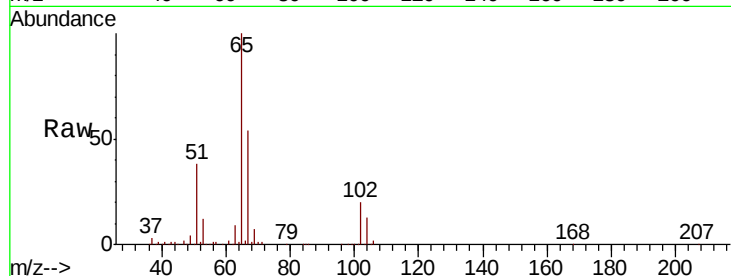
67 53.2 0.0 106.8

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

80000

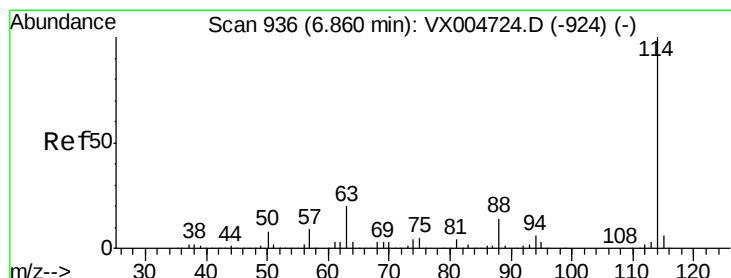
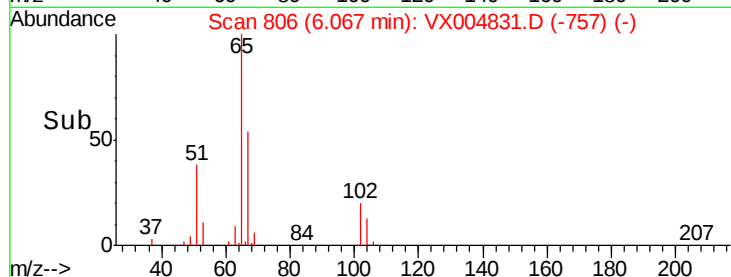
60000

40000

20000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX004831.D

Acq: 28 Sep 2018 19:39

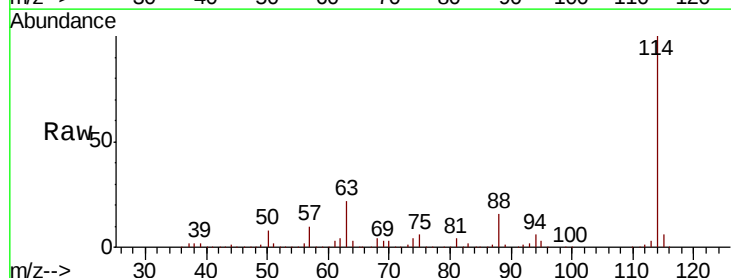
Tgt Ion: 114 Resp: 390443

Ion Ratio Lower Upper

114 100

63 21.6 0.0 39.0

88 15.8 0.0 30.4



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

6.86

200000

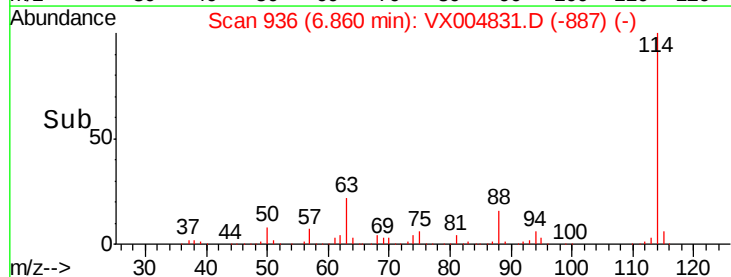
150000

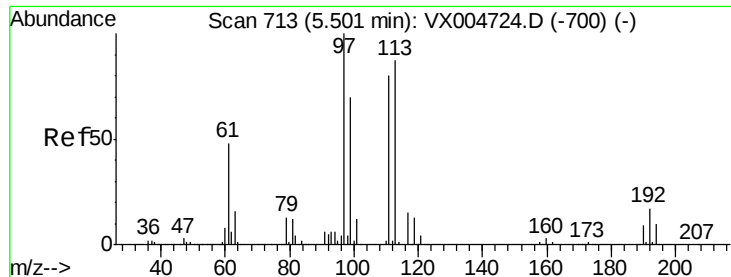
100000

50000

0

Time--> 6.80 7.00





#35

Dibromofluoromethane

Concen: 45.085 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX004831.D

Acq: 28 Sep 2018 19:39

Instrument :

MSVOA_X

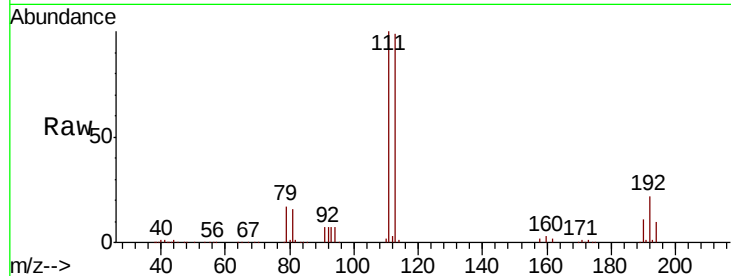
ClientSampleId :

FA18-JBW-7333-9001

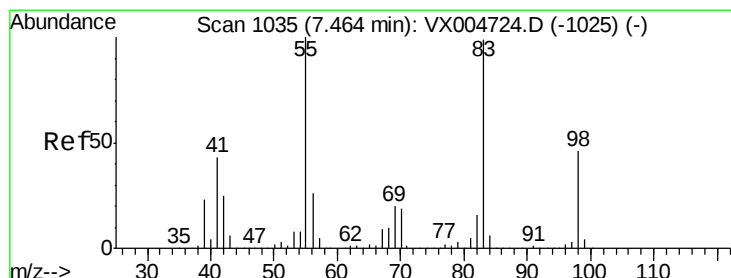
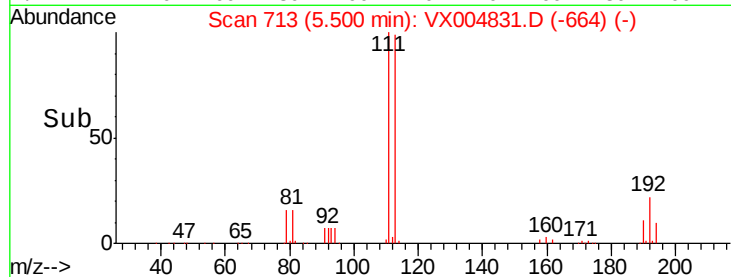
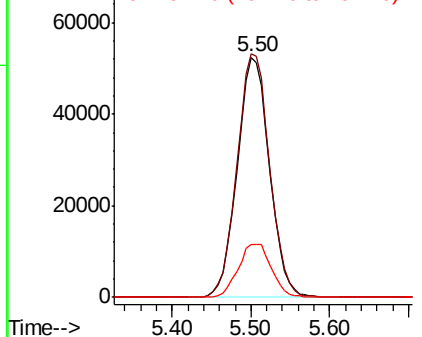
Tot Ion:	113	Resp:	149189
Ion Ratio	Lower	Upper	
113	100		
111	102.5	82.4	123.6
192	23.0	19.4	29.2

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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: 88.626 ug/l

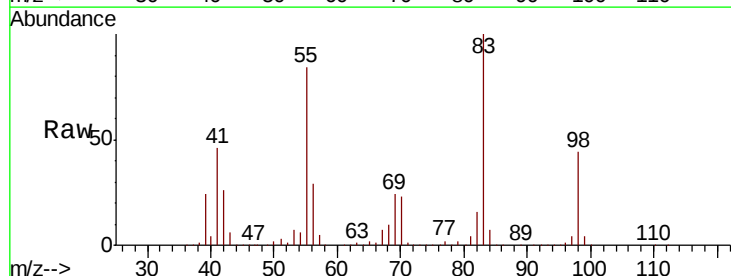
RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

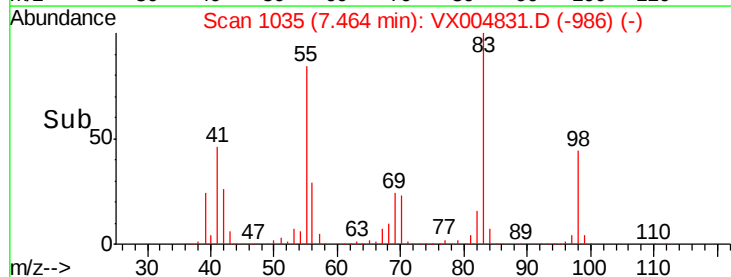
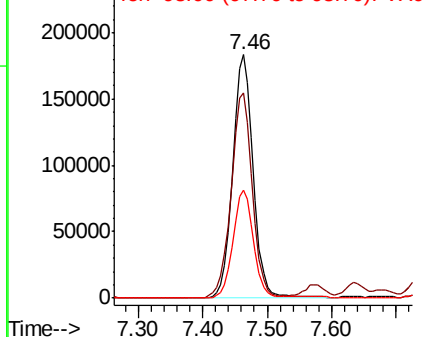
Lab File: VX004831.D

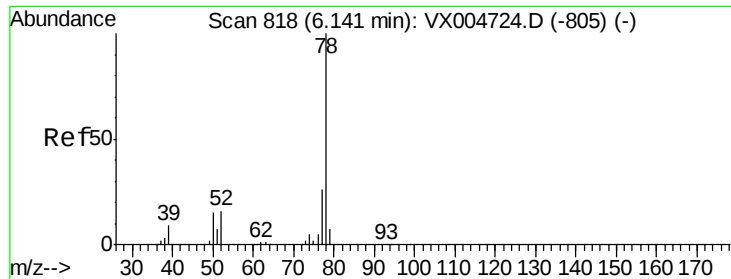
Acq: 28 Sep 2018 19:39

Tgt Ion:	83	Resp:	408574
Ion Ratio	Lower	Upper	
83	100		
55	84.1	61.0	91.4
98	44.4	39.6	59.4



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: 21.019 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX004831.D

Acq: 28 Sep 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

FA18-JBW-7333-9001

Tot Ion: 78 Resp: 297087

Ion Ratio Lower Upper

78 100

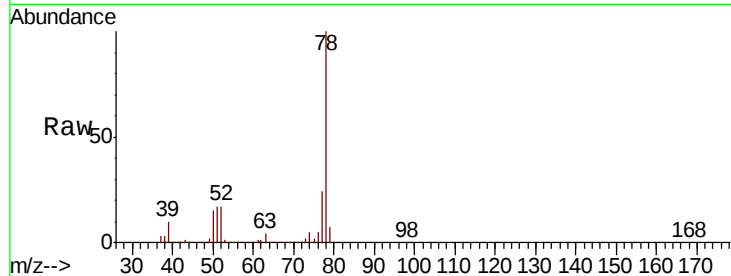
77 23.9 19.0 28.4

Manual Integrations

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Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.15

120000

100000

80000

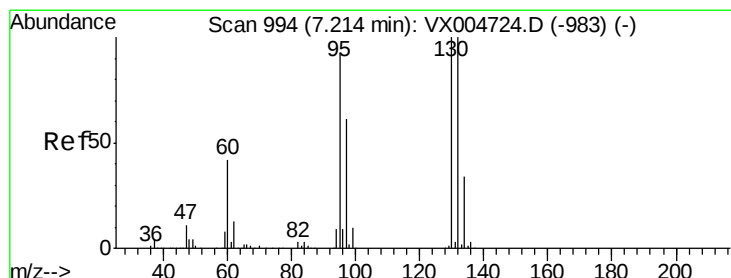
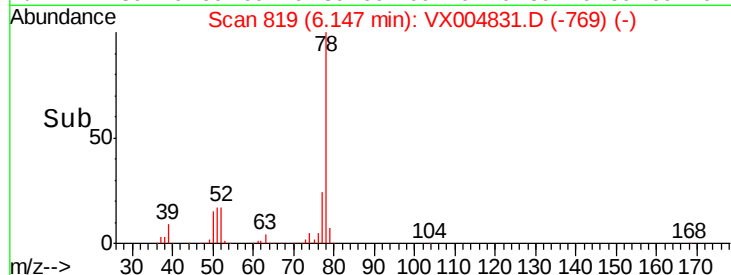
60000

40000

20000

0

Time-->



#44

Trichloroethene

Concen: 0.569 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX004831.D

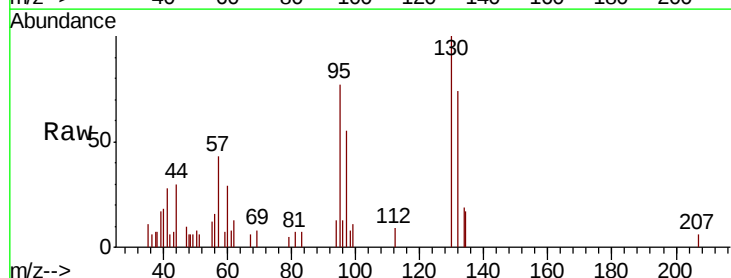
Acq: 28 Sep 2018 19:39

Tgt Ion:130 Resp: 1976

Ion Ratio Lower Upper

130 100

95 77.4 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

1200

1000

800

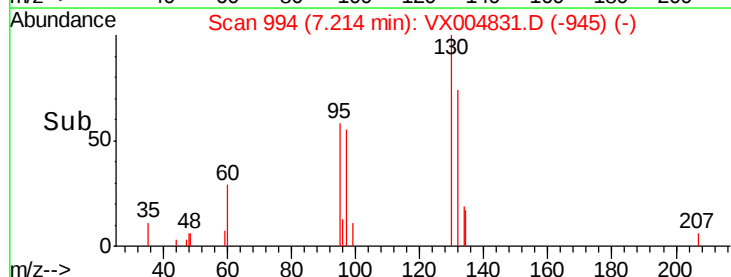
600

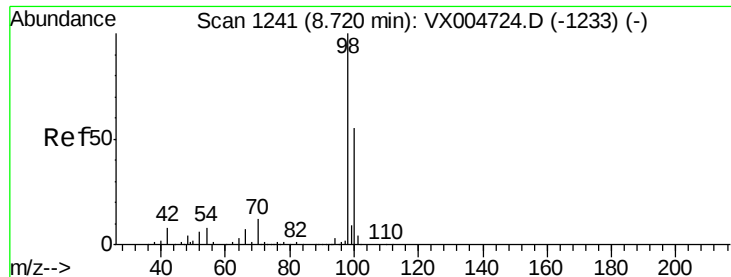
400

200

0

Time-->





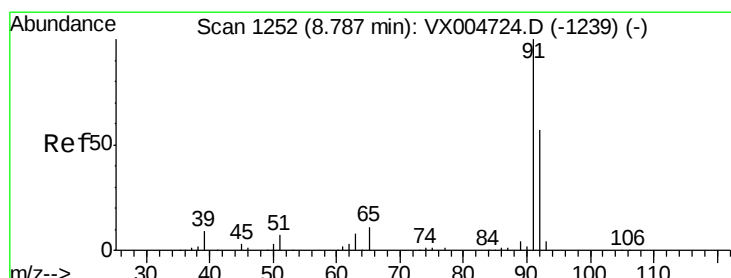
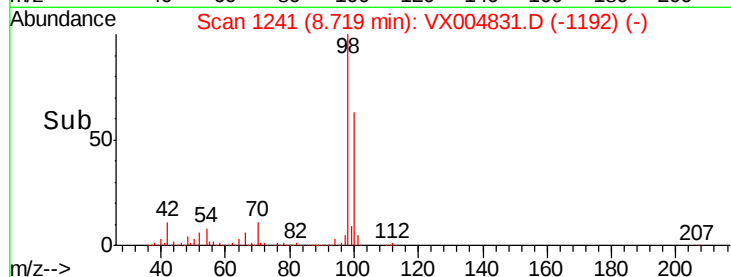
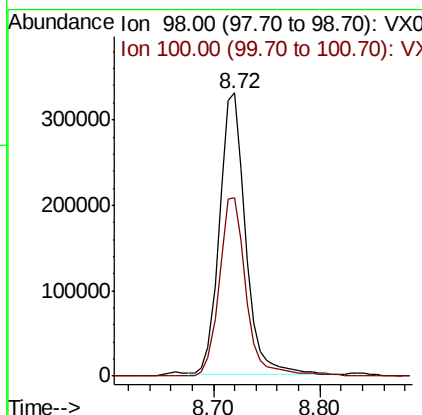
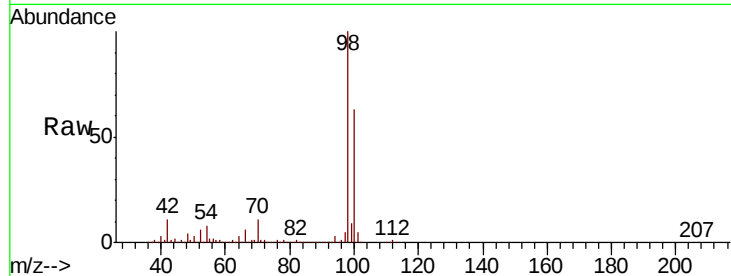
#50
Toluene-d8
Concen: 50.856 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004831.D
Acq: 28 Sep 2018 19:39

Instrument :
MSVOA_X
ClientSampleId :
FA18-JBW-7333-9001

Tot Ion: 98 Resp: 559468
Ion Ratio Lower Upper
98 100
100 66.4 52.9 79.3

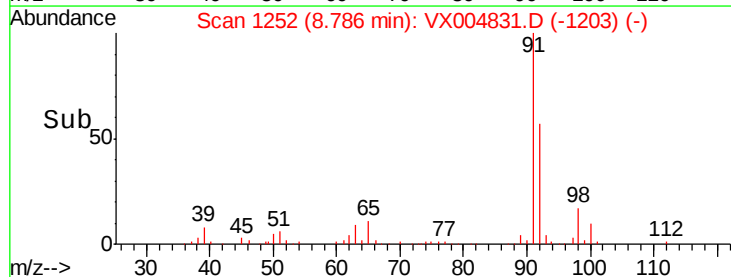
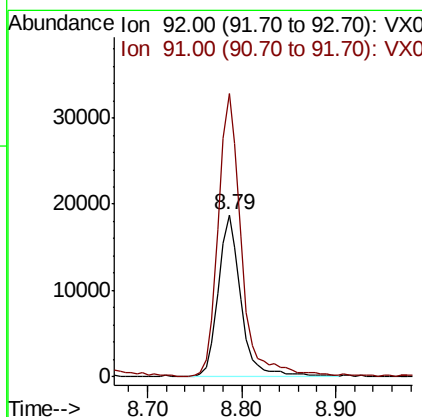
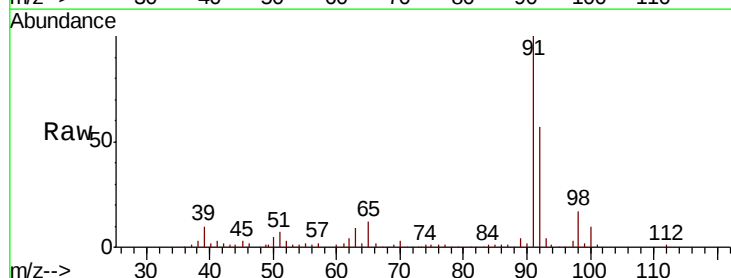
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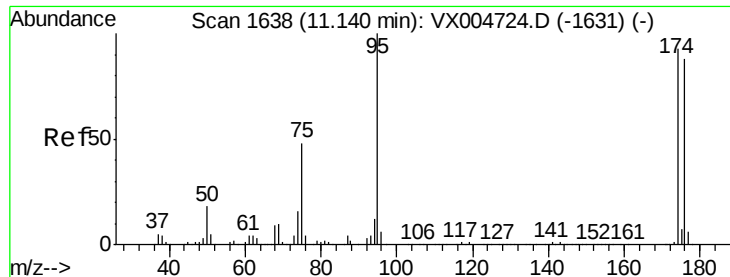
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#52
Toluene
Concen: 4.075 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX004831.D
Acq: 28 Sep 2018 19:39

Tgt Ion: 92 Resp: 31647
Ion Ratio Lower Upper
92 100
91 176.7 136.4 204.6





#62

4-Bromofluorobenzene

Concen: 55.738 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004831.D

Acq: 28 Sep 2018 19:39

Instrument :

MSVOA_X

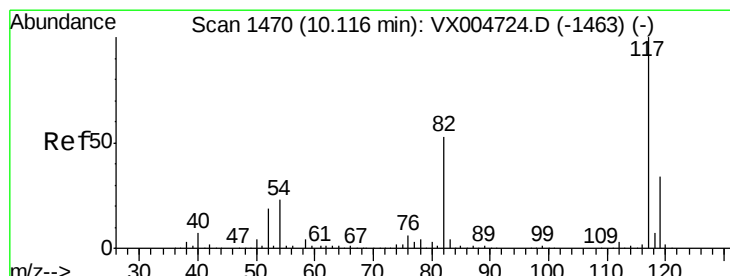
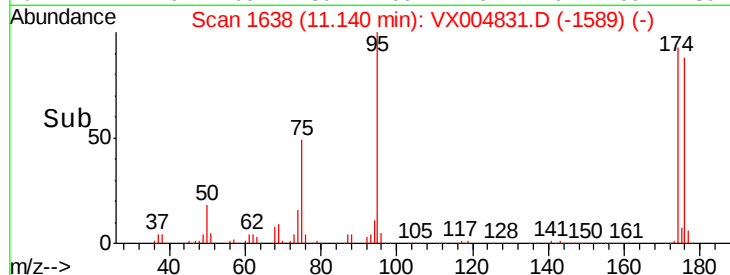
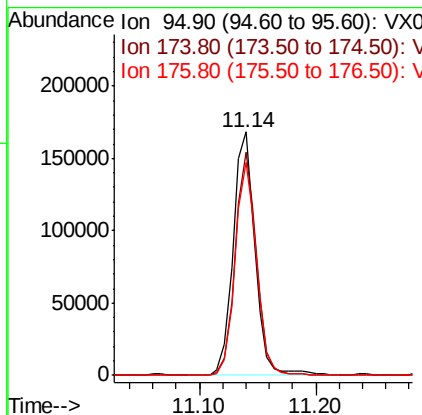
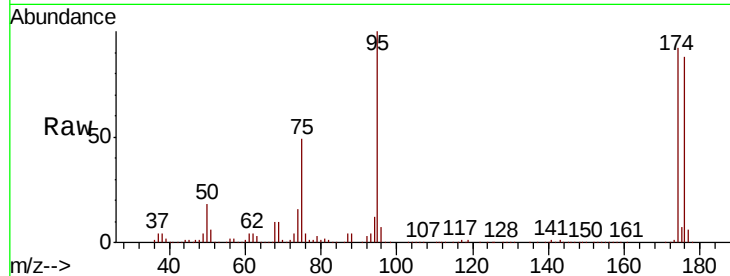
ClientSampleId :

FA18-JBW-7333-9001

Tot Ion:	95	Resp:	220898
Ion Ratio	Lower	Upper	
95	100		
174	88.8	0.0	185.2
176	85.6	0.0	178.6

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

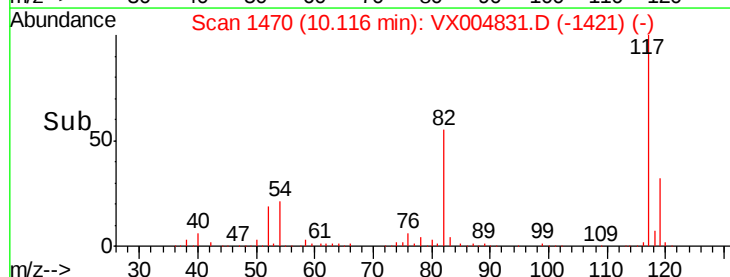
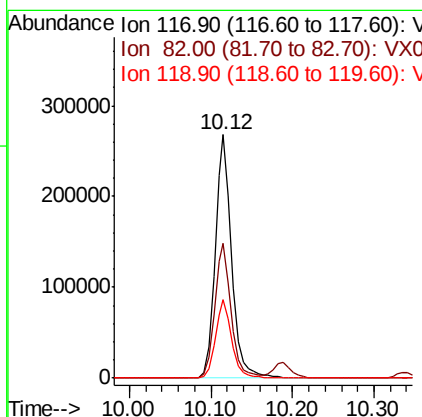
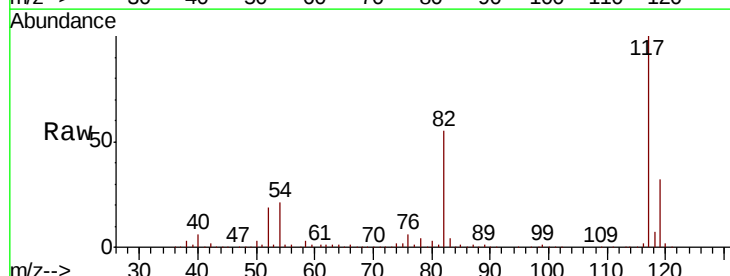
RT: 10.12 min Scan# 1470

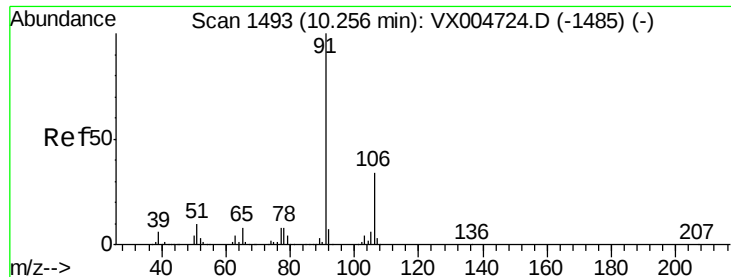
Delta R.T. -0.00 min

Lab File: VX004831.D

Acq: 28 Sep 2018 19:39

Tgt Ion:	117	Resp:	381059
Ion Ratio	Lower	Upper	
117	100		
82	55.2	47.8	71.6
119	32.0	29.3	43.9





#67

Ethyl Benzene

Concen: 25.538 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VX004831.D

Acq: 28 Sep 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

FA18-JBW-7333-9001

Tot Ion: 91 Resp: 396182

Ion Ratio Lower Upper

91 100

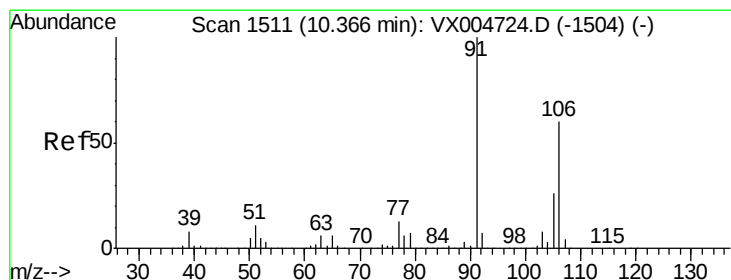
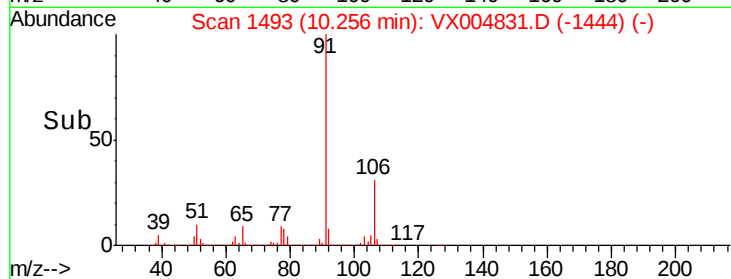
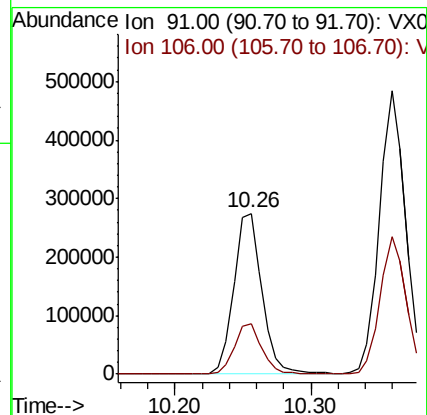
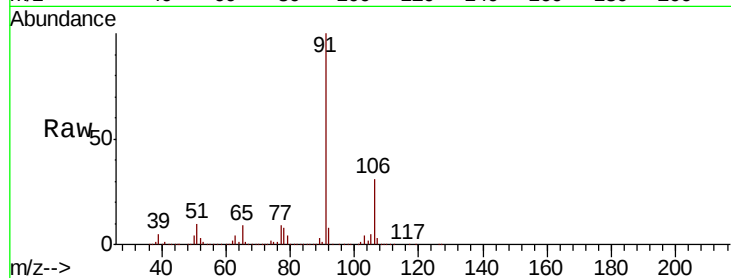
106 31.2 25.9 38.9

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#68

m/p-Xylenes

Concen: 52.745 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VX004831.D

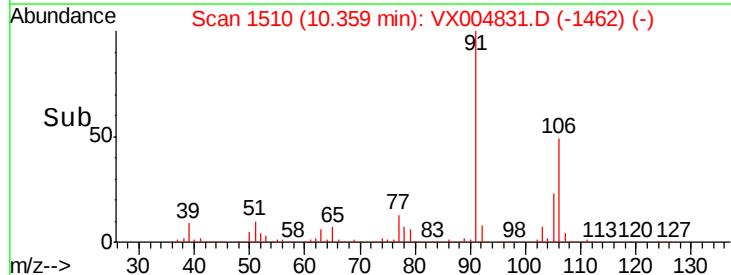
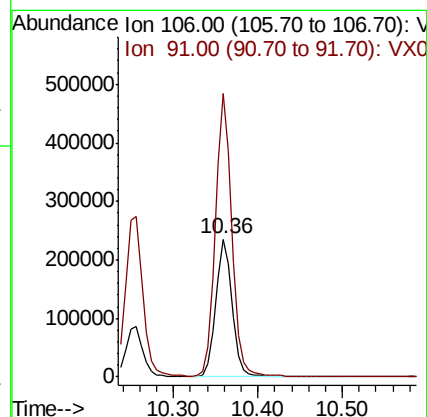
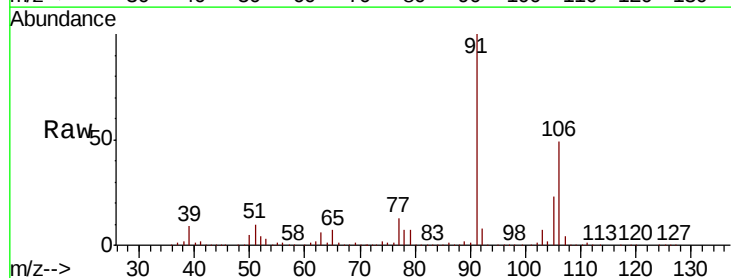
Acq: 28 Sep 2018 19:39

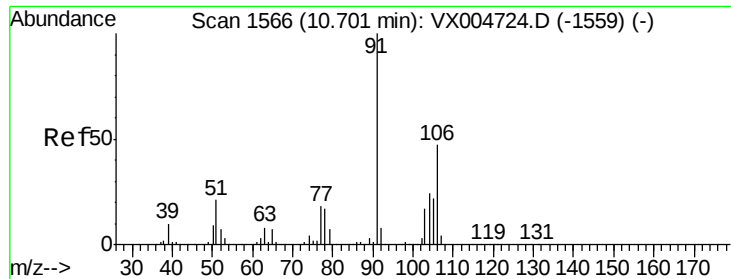
Tgt Ion: 106 Resp: 319750

Ion Ratio Lower Upper

106 100

91 205.3 157.1 235.7





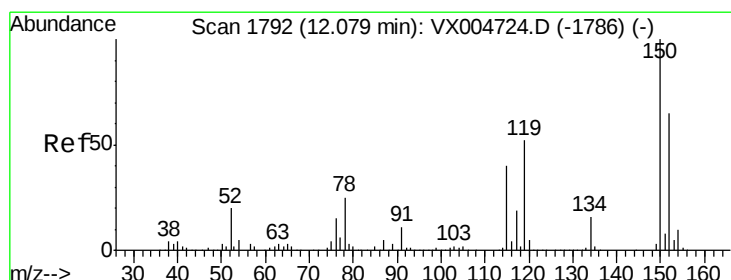
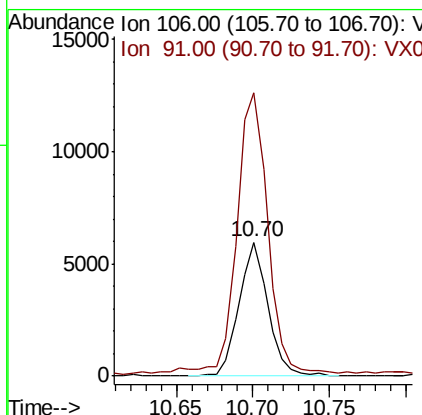
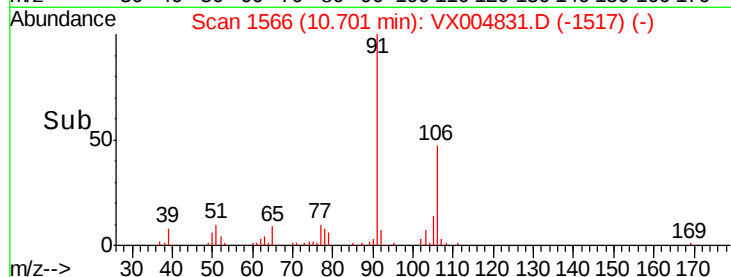
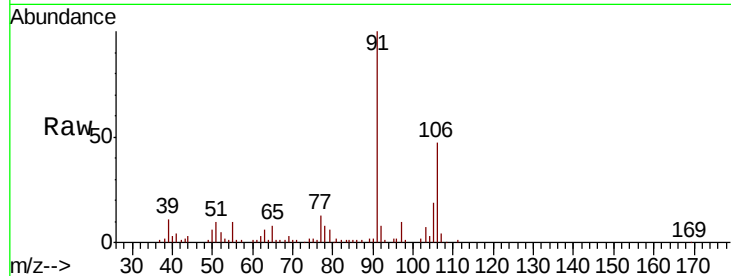
#69
o-Xylene
Concen: 1.414 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004831.D
Acq: 28 Sep 2018 19:39

Instrument :
MSVOA_X
ClientSampleId :
FA18-JBW-7333-9001

Tot Ion:106 Resp: 7872
Ion Ratio Lower Upper
106 100
91 221.7 105.1 315.1

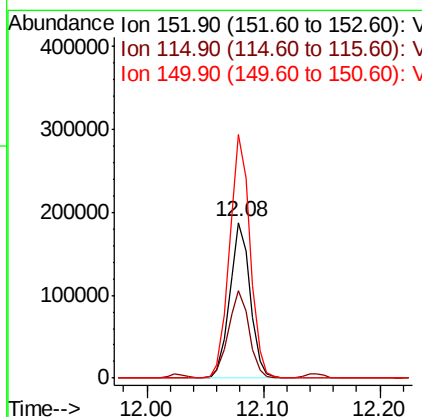
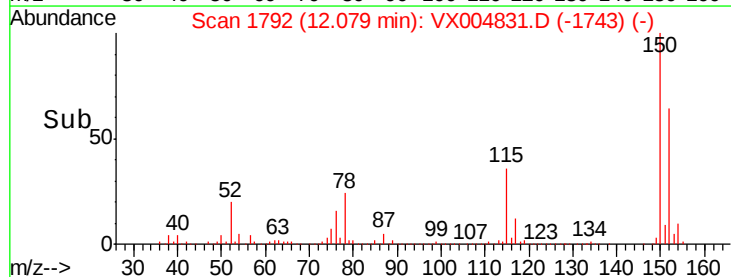
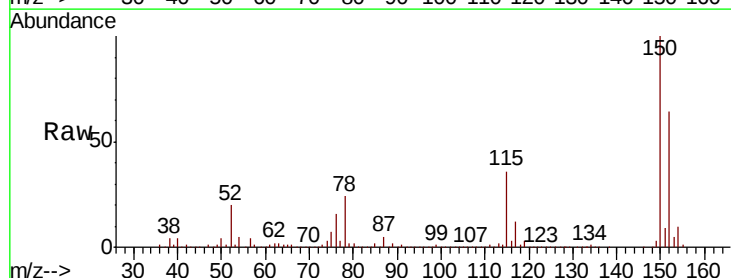
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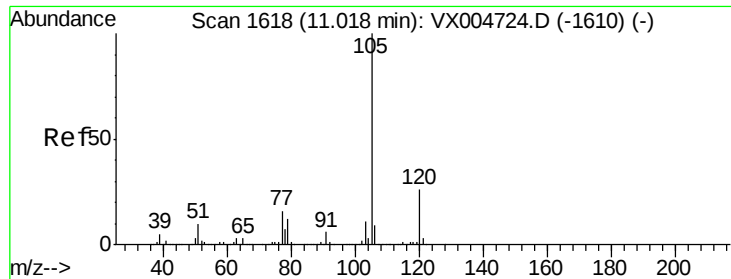
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004831.D
Acq: 28 Sep 2018 19:39

Tgt Ion:152 Resp: 228358
Ion Ratio Lower Upper
152 100
115 57.2 39.0 117.0
150 157.3 0.0 351.0





#73

Isopropylbenzene

Concen: 10.652 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004831.D

Acq: 28 Sep 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

FA18-JBW-7333-9001

Tot Ion: 105 Resp: 153329

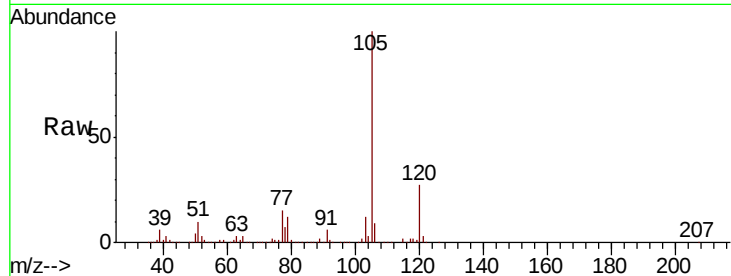
Ion Ratio Lower Upper

105 100

120 26.6 13.5 40.4

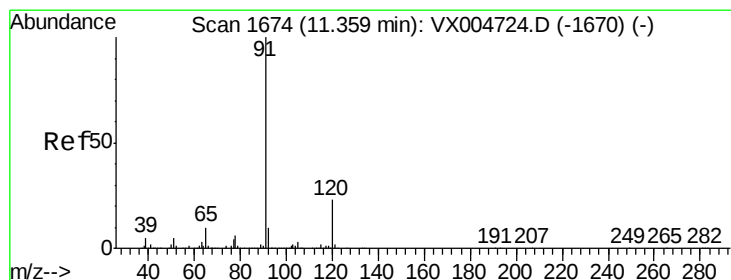
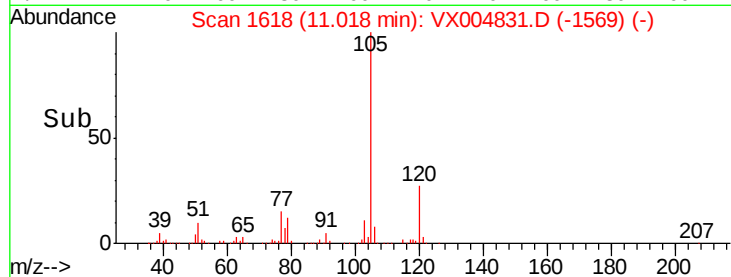
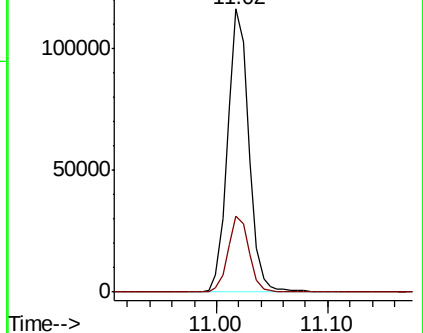
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 12.332 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004831.D

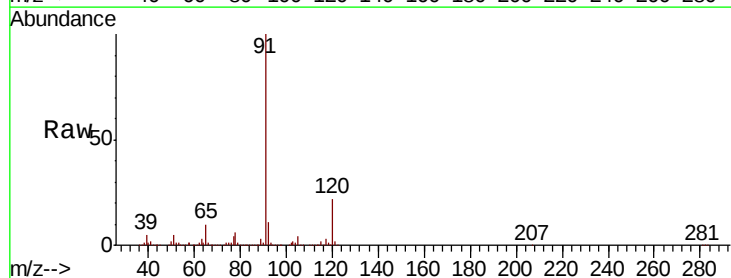
Acq: 28 Sep 2018 19:39

Tgt Ion: 91 Resp: 203669

Ion Ratio Lower Upper

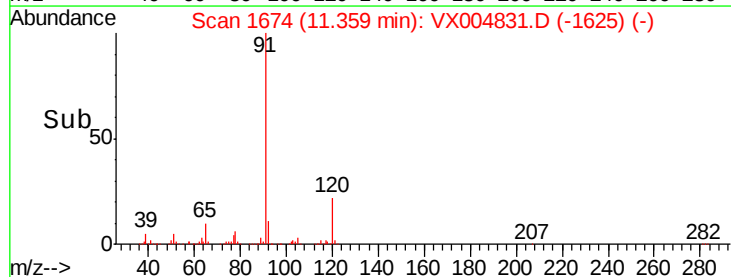
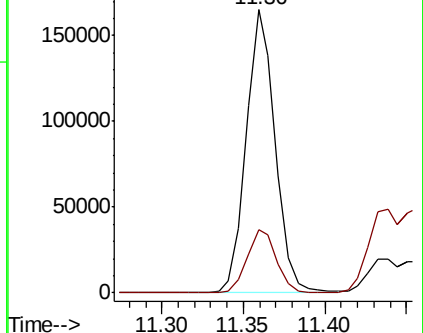
91 100

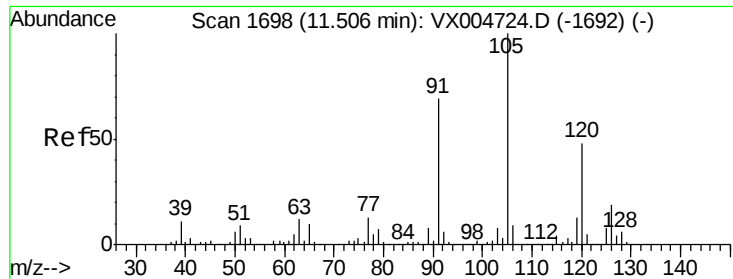
120 22.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





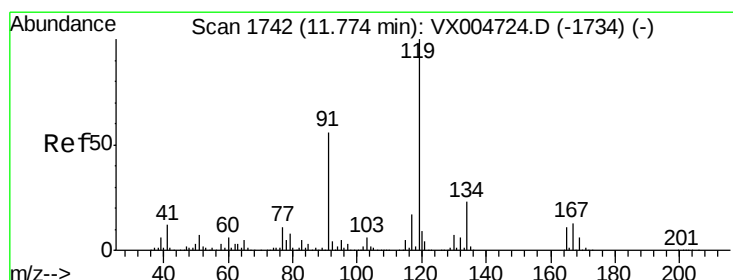
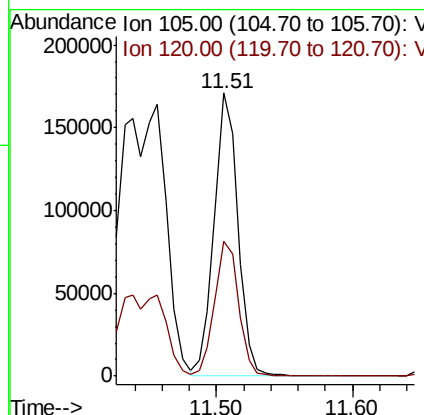
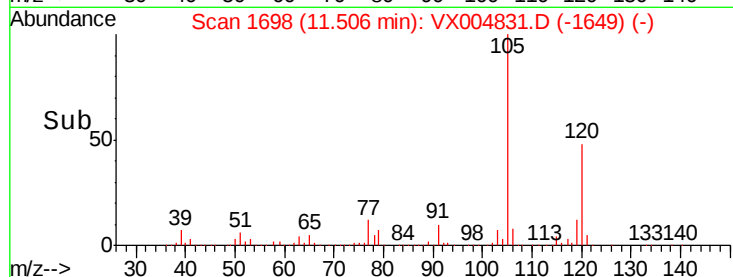
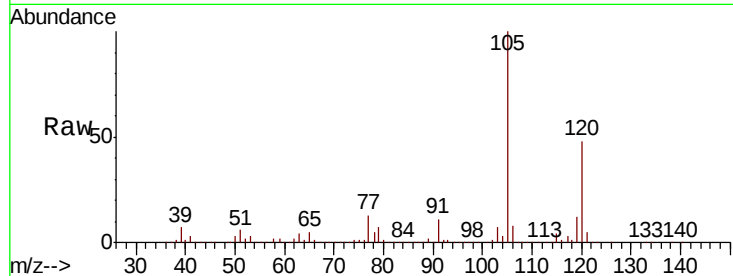
#80
 1,3,5-Trimethylbenzene
 Concen: 15.600 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX004831.D
 Acq: 28 Sep 2018 19:39

Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-JBW-7333-9001

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.7	25.6	76.8

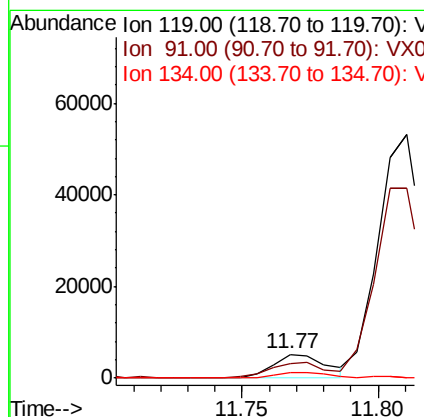
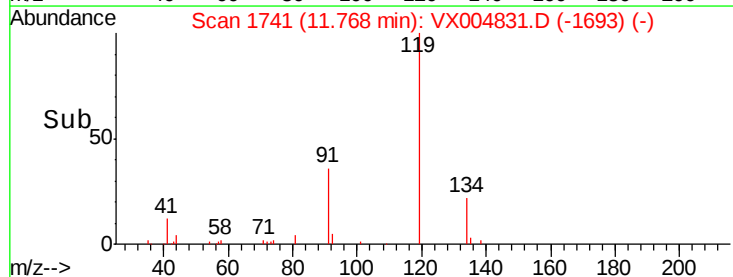
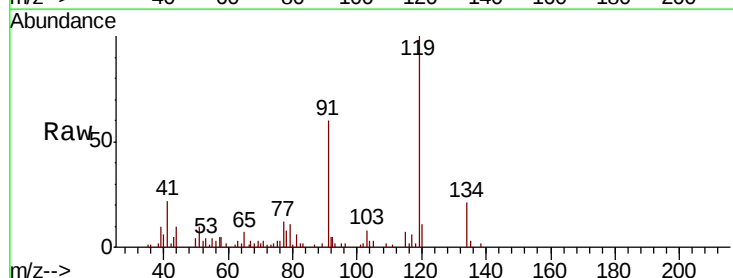
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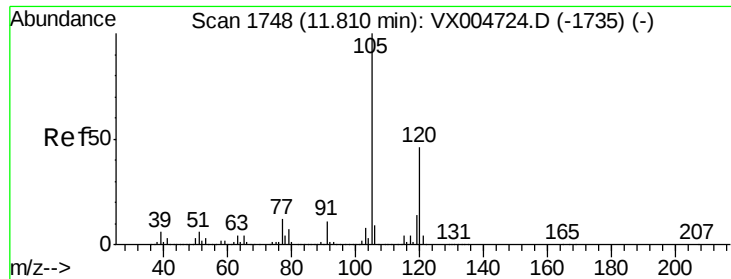
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#83
 tert-Butylbenzene
 Concen: 0.600 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.01 min
 Lab File: VX004831.D
 Acq: 28 Sep 2018 19:39

Tgt Ion	Ratio	Lower	Upper
119	100		
91	64.9	27.0	81.0
134	24.7	11.7	35.1





#84

1,2,4-Trimethylbenzene

Concen: 37.481 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.00 min

Lab File: VX004831.D

Acq: 28 Sep 2018 19:39

Instrument :

MSVOA_X

ClientSampleId :

FA18-JBW-7333-9001

Tot Ion:105 Resp: 510597

Ion Ratio Lower Upper

105 100

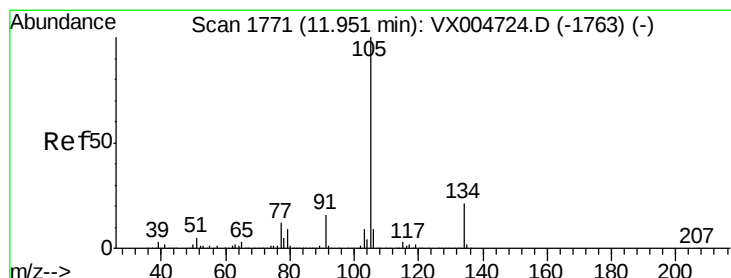
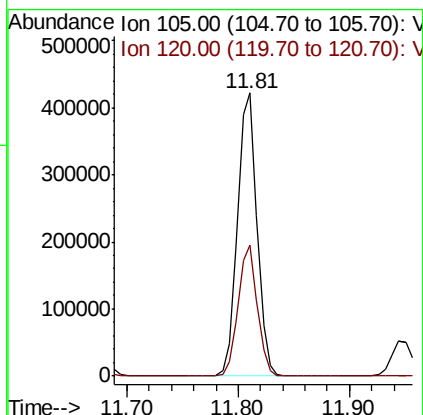
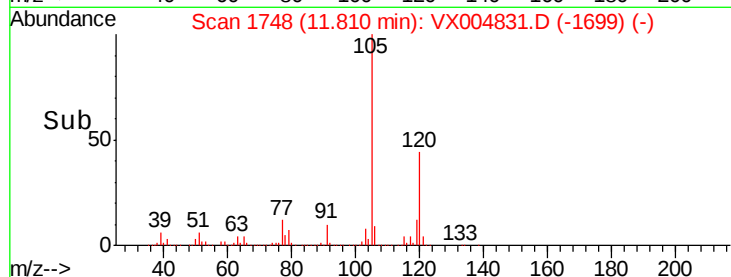
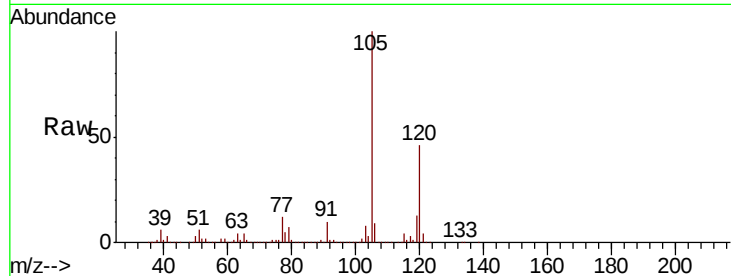
120 45.6 23.2 69.6

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#85

sec-Butylbenzene

Concen: 4.717 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004831.D

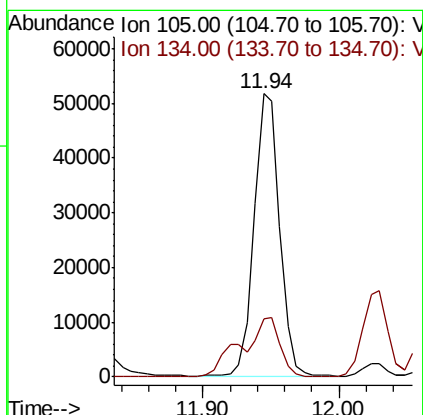
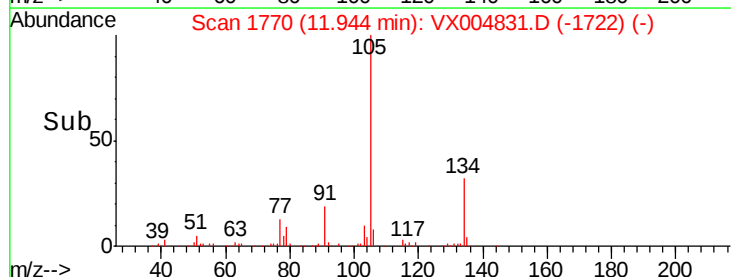
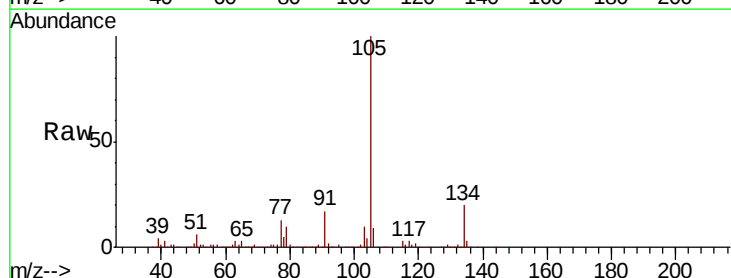
Acq: 28 Sep 2018 19:39

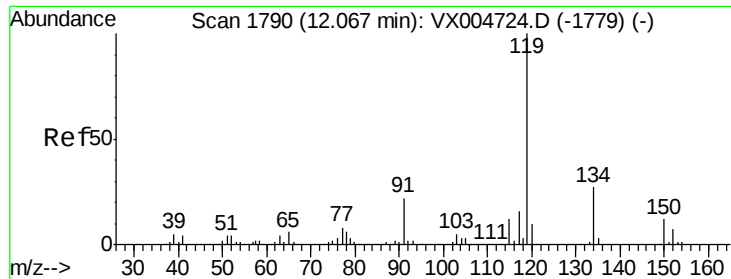
Tgt Ion:105 Resp: 68095

Ion Ratio Lower Upper

105 100

134 31.7 10.5 31.5#





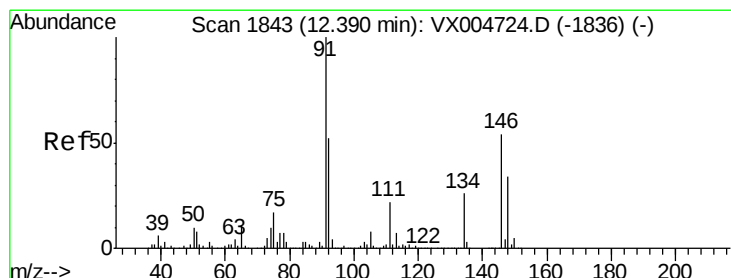
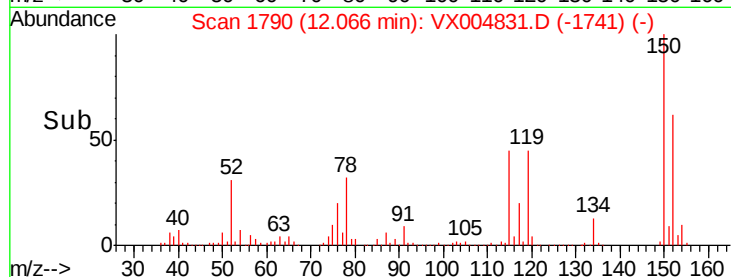
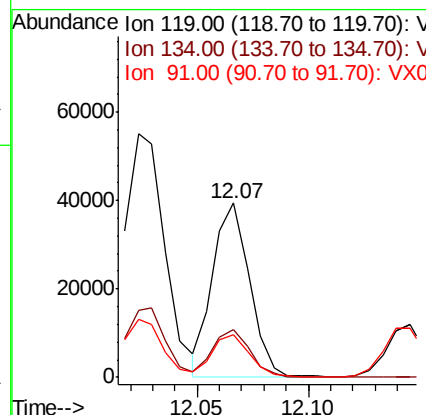
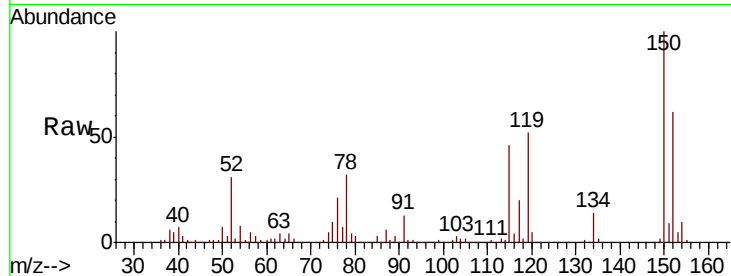
#86
 p-Isopropyltoluene
 Concen: 3.482 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX004831.D
 Acq: 28 Sep 2018 19:39

Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-JBW-7333-9001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	45541		
134	28.2	13.4	40.2	
91	24.6	10.9	32.7	

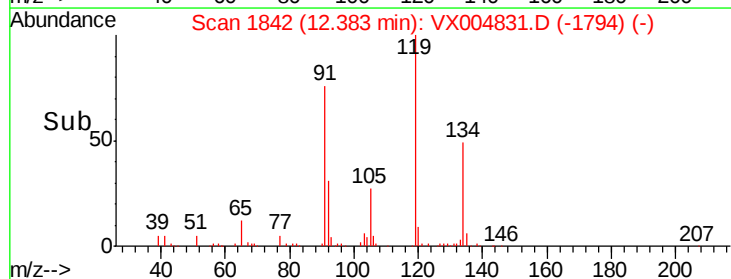
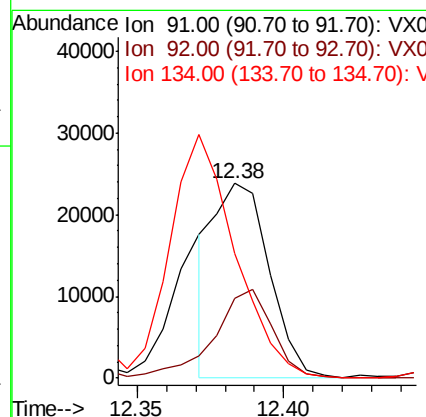
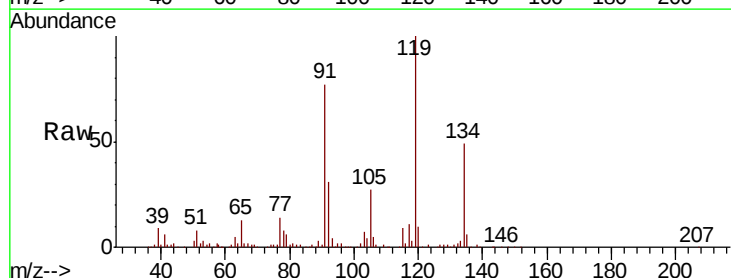
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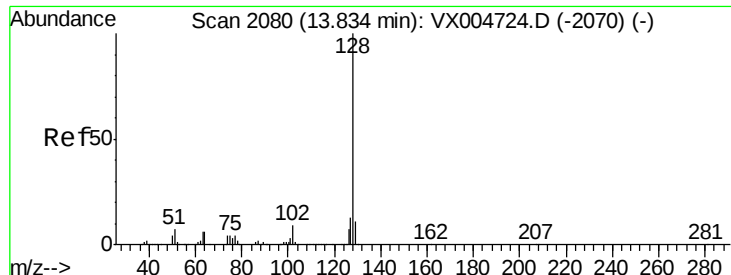
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#89
 n-Butylbenzene
 Concen: 2.632 ug/l m
 RT: 12.38 min Scan# 1842
 Delta R.T. -0.01 min
 Lab File: VX004831.D
 Acq: 28 Sep 2018 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	31257		
92	47.8	27.3	81.9	
134	146.3	13.6	40.7#	





#95
Naphthalene
Concen: 3.693 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004831.D
Acq: 28 Sep 2018 19:39

Instrument :
MSVOA_X
ClientSampleId :
FA18-JBW-7333-9001

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.2	15.2
129	12.6	8.6	12.8

Manual Integrations
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