

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073118\
 Data File : VX003759.D
 Acq On : 31 Jul 2018 19:05
 Operator : JC/SP
 Sample : J4109-03RE
 Misc : 9.07G/5.0mL/MSVOA X/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-12(3-5)RE

Manual Integrations
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 8/1/2018 6:25:18 PM

Quant Time: Aug 01 03:31:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 11:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	60656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	105490	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	83911	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	35078	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	41865	68.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	136.48%	
35) Dibromofluoromethane	5.51	113	31071	50.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.04%	
50) Toluene-d8	8.72	98	124816	48.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.40%	
62) 4-Bromofluorobenzene	11.14	95	35815	37.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.02%	
Target Compounds						
						Qvalue
16) Acetone	2.44	43	35825	152.89	ug/l	92
17) Carbon Disulfide	2.57	76	5525	3.13	ug/l	96
25) 2-Butanone	4.69	43	11736	34.36	ug/l #	90
39) Methylcyclohexane	7.46	83	1841	1.52	ug/l #	91
40) Benzene	6.15	78	102300	36.14	ug/l	93
52) Toluene	8.79	92	6614	3.75	ug/l	97
67) Ethyl Benzene	10.26	91	147742	49.90	ug/l	99
68) m/p-Xylenes	10.36	106	34669	29.93	ug/l	99
69) o-Xylene	10.70	106	21926	20.39	ug/l	96
73) Isopropylbenzene	11.02	105	34740	15.82	ug/l	98
78) n-propylbenzene	11.36	91	14221	5.35	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	63352m	33.80	ug/l	
84) 1,2,4-Trimethylbenzene	11.81	105	146302	75.83	ug/l	99
86) p-Isopropyltoluene	12.07	119	15196	7.05	ug/l #	46
95) Naphthalene	13.85	128	11865641	6490.04	ug/l #	92

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

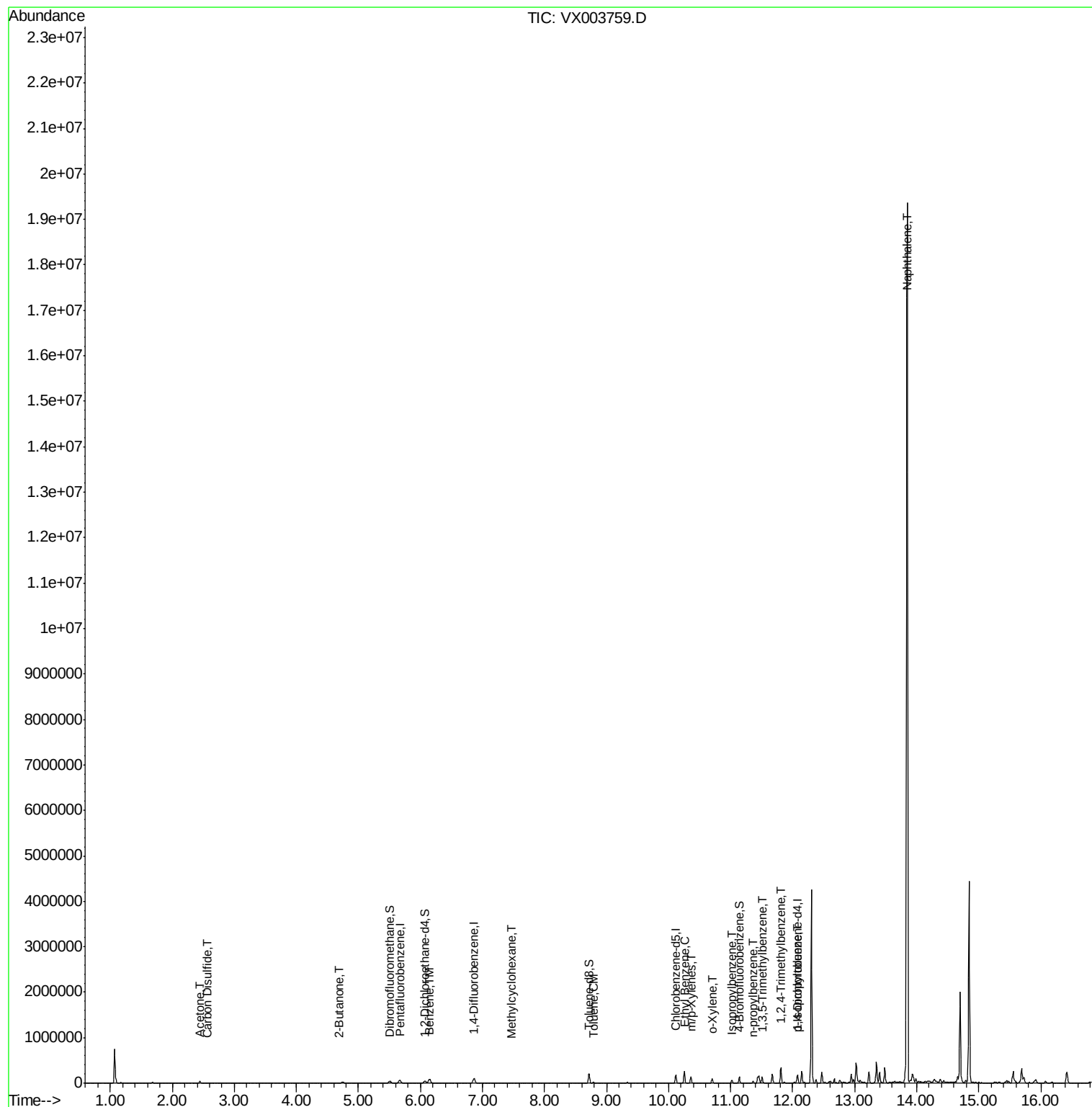
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073118\
Data File : VX003759.D
Acq On : 31 Jul 2018 19:05
Operator : JC/SP
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ALS Vial : 14 Sample Multiplier: 1

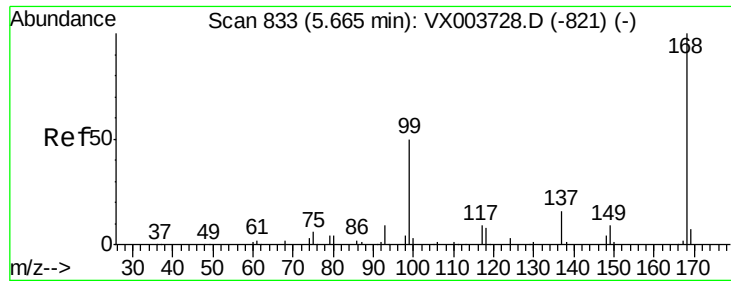
Instrument :
MSVOA_X
ClientSampleId :
SB-12(3-5)RE

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Quant Time: Aug 01 03:31:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 31 11:17:41 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003759.D

Acq: 31 Jul 2018 19:05

Instrument :

MSVOA_X

ClientSampled :

SB-12(3-5)RE

Tot Ion:168 Resp: 60656

Ion Ratio Lower Upper

168 100

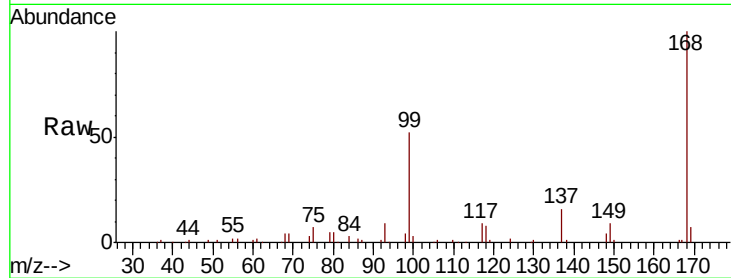
99 51.6 40.2 60.2

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

25000

20000

15000

10000

5000

0

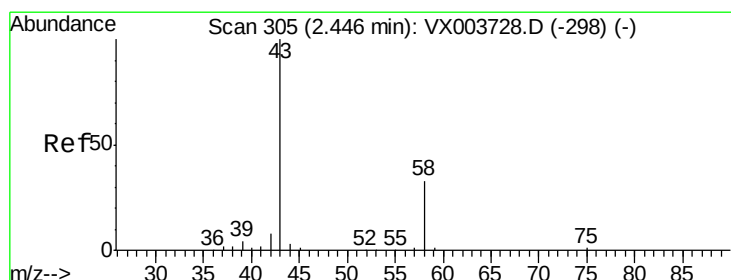
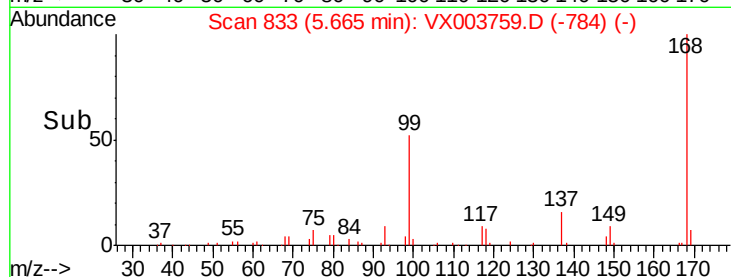
Time-->

5.50

5.60

5.70

5.80



#16

Acetone

Concen: 152.89 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.01 min

Lab File: VX003759.D

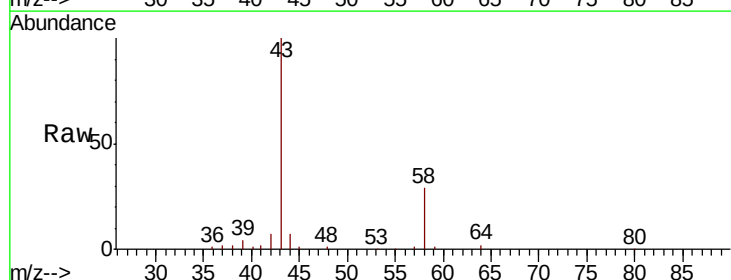
Acq: 31 Jul 2018 19:05

Tgt Ion: 43 Resp: 35825

Ion Ratio Lower Upper

43 100

58 29.0 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

25000

20000

15000

10000

5000

0

Time-->

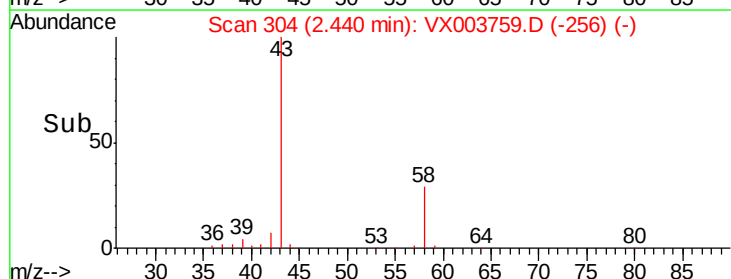
2.35

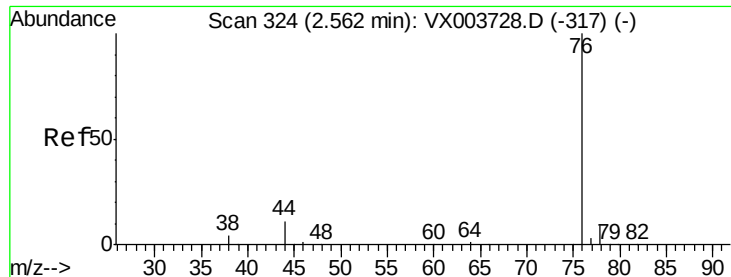
2.40

2.45

2.50

2.55





#17

Carbon Disulfide

Concen: 3.13 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003759.D

Acq: 31 Jul 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

SB-12(3-5)RE

Tot Ion: 76 Resp: 5525

Ion Ratio Lower Upper

76 100

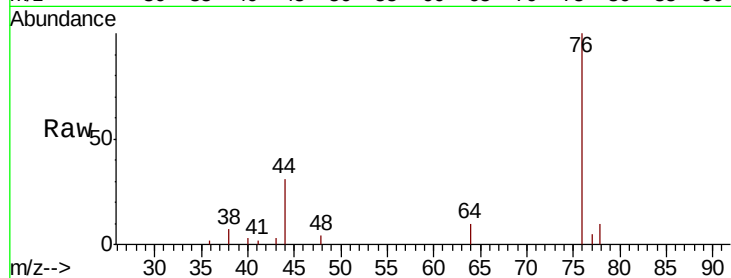
78 10.4 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

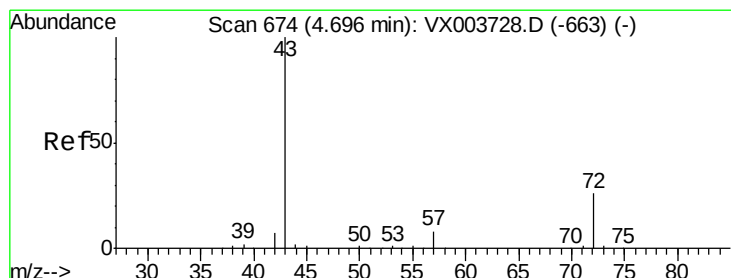
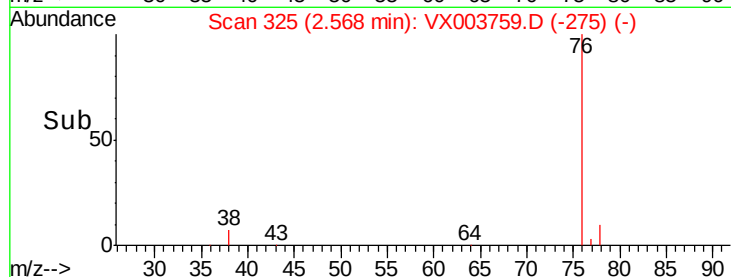
3000

2000

1000

0

Time-->



#25

2-Butanone

Concen: 34.36 ug/l

RT: 4.69 min Scan# 673

Delta R.T. -0.01 min

Lab File: VX003759.D

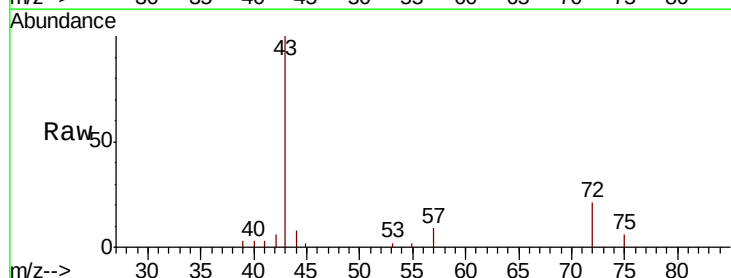
Acq: 31 Jul 2018 19:05

Tgt Ion: 43 Resp: 11736

Ion Ratio Lower Upper

43 100

72 20.7 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.69

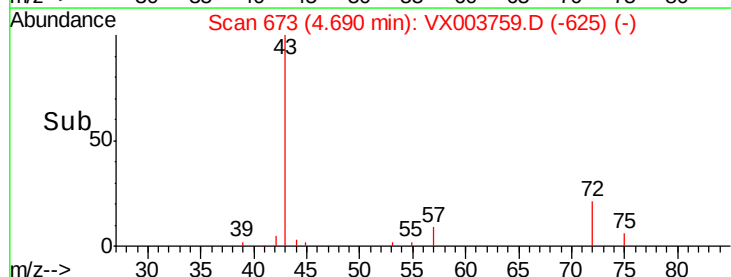
3000

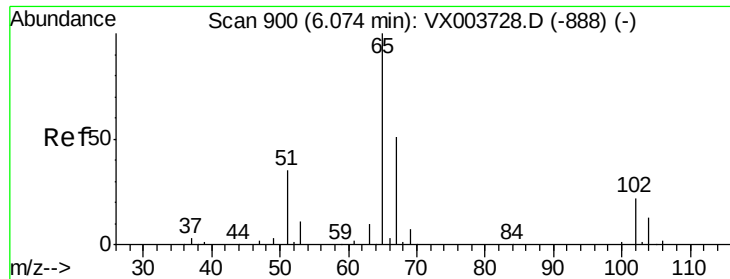
2000

1000

0

Time-->





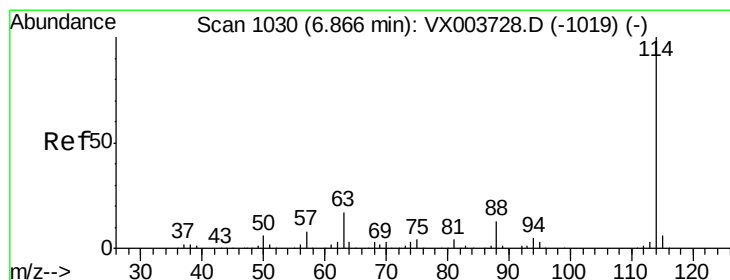
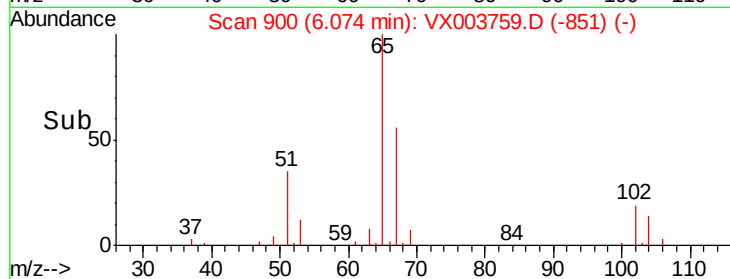
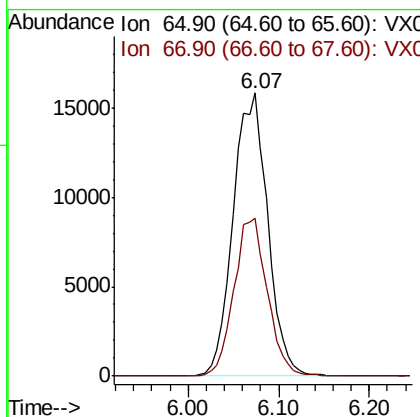
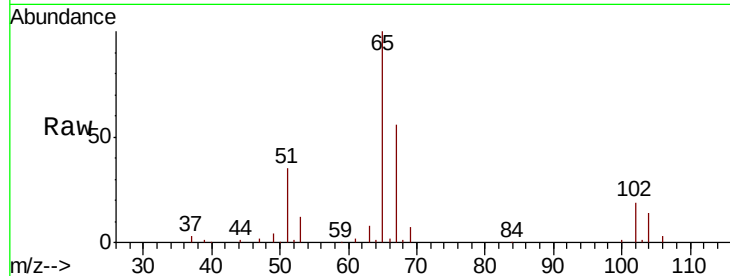
#33
 1,2-Dichloroethane-d4
 Concen: 68.24 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003759.D
 Acq: 31 Jul 2018 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-12(3-5)RE

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	107.0

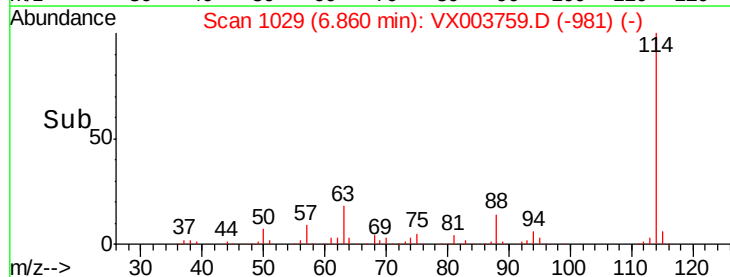
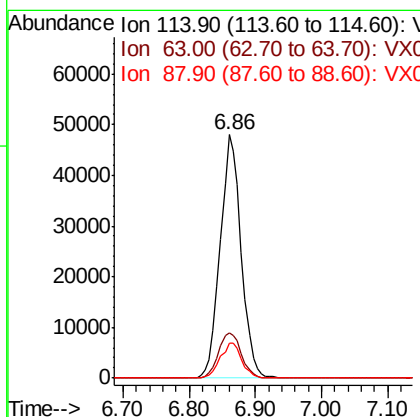
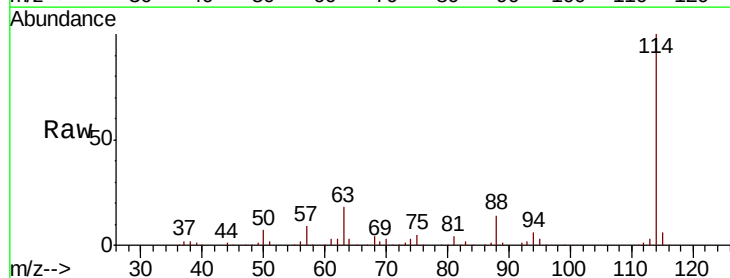
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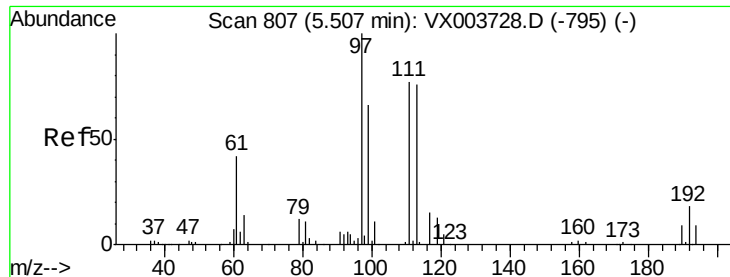
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003759.D
 Acq: 31 Jul 2018 19:05

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	34.0
88	14.4	0.0	26.4





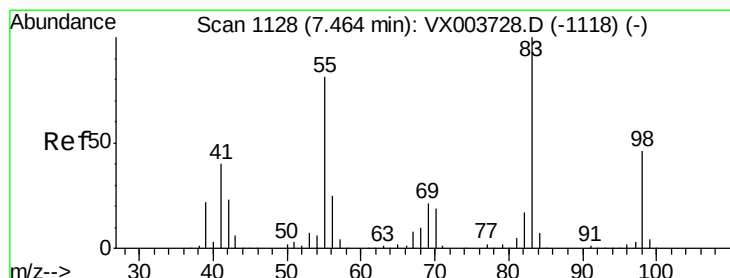
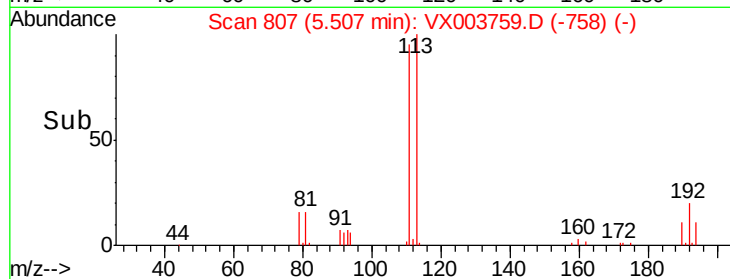
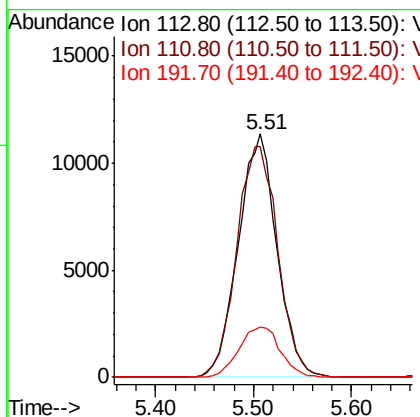
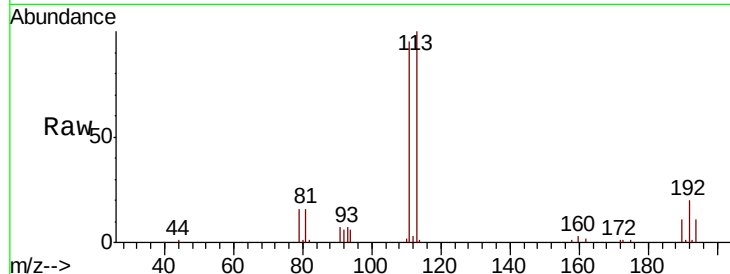
#35
 Dibromofluoromethane
 Concen: 50.02 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003759.D
 Acq: 31 Jul 2018 19:05

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-12(3-5)RE

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.8	122.6
192	22.1	18.8	28.2

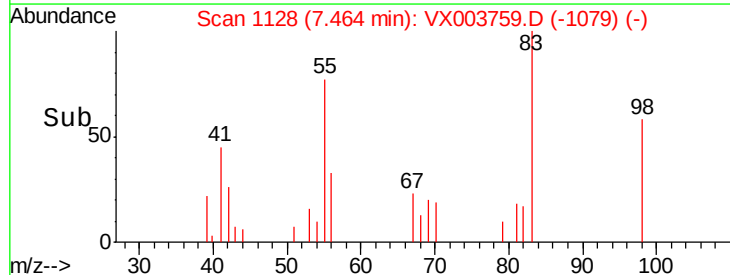
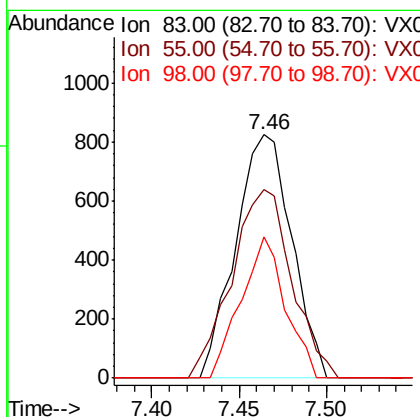
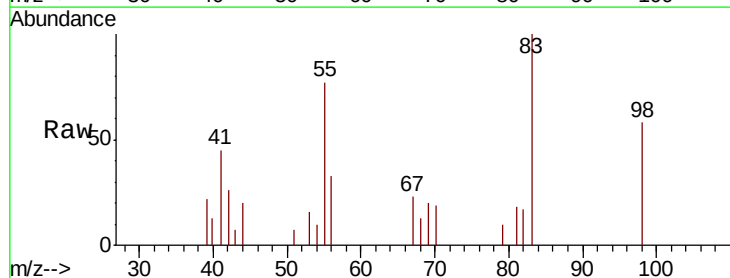
Manual Integrations
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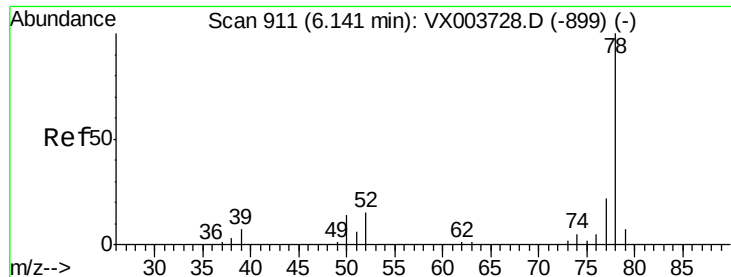
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#39
 Methylcyclohexane
 Concen: 1.52 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX003759.D
 Acq: 31 Jul 2018 19:05

Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.3	65.0	97.6
98	58.1	37.1	55.7#





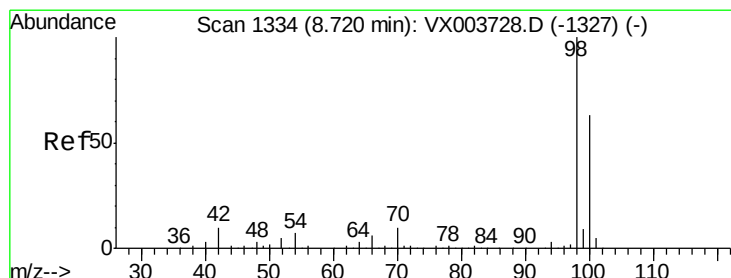
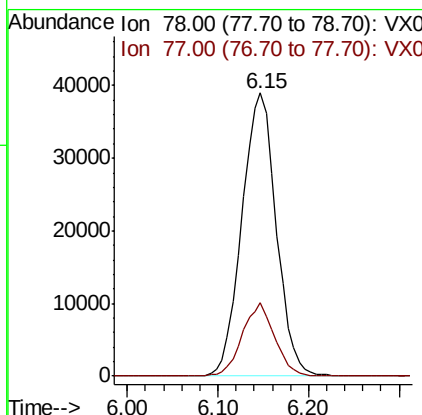
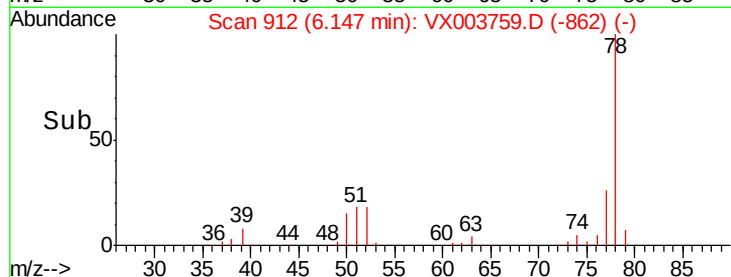
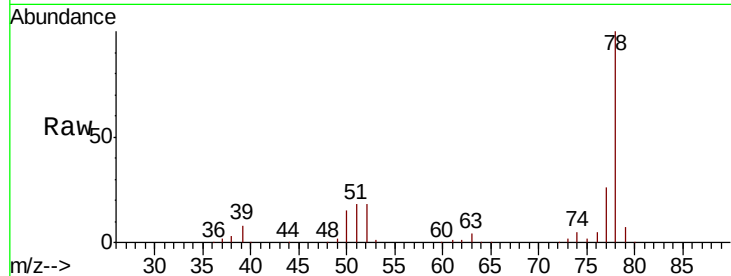
#40
Benzene
Concen: 36.14 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.01 min
Lab File: VX003759.D
Acq: 31 Jul 2018 19:05

Instrument :
MSVOA_X
ClientSampled :
SB-12(3-5)RE

Tot Ion: 78 Resp: 102300
Ion Ratio Lower Upper
78 100
77 25.7 17.9 26.9

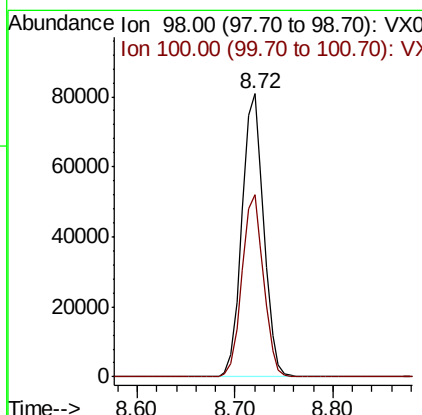
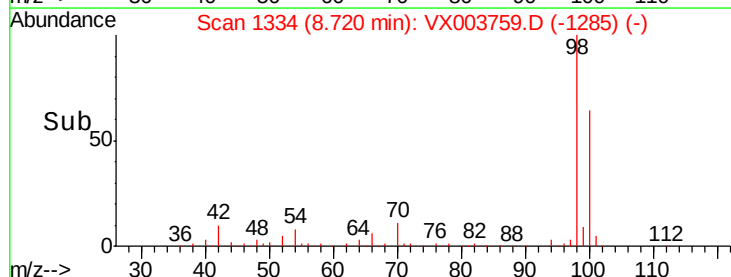
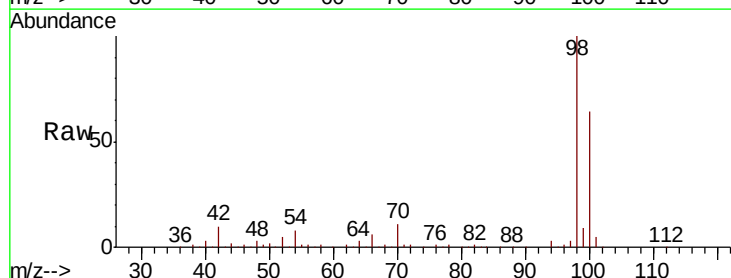
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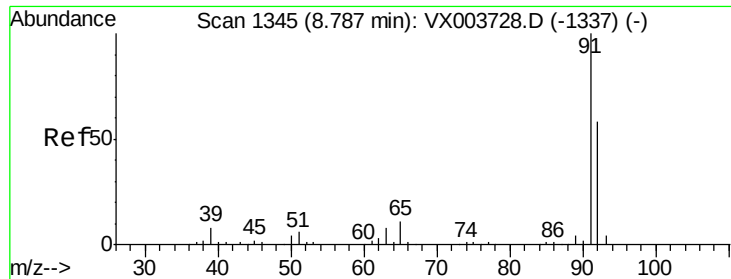
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#50
Toluene-d8
Concen: 48.20 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003759.D
Acq: 31 Jul 2018 19:05

Tgt Ion: 98 Resp: 124816
Ion Ratio Lower Upper
98 100
100 63.8 51.4 77.0





#52

Toluene

Concen: 3.75 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003759.D

Acq: 31 Jul 2018 19:05

Instrument :

MSVOA_X

ClientSampled :

SB-12(3-5)RE

Tot Ion: 92 Resp: 6614

Ion Ratio Lower Upper

92 100

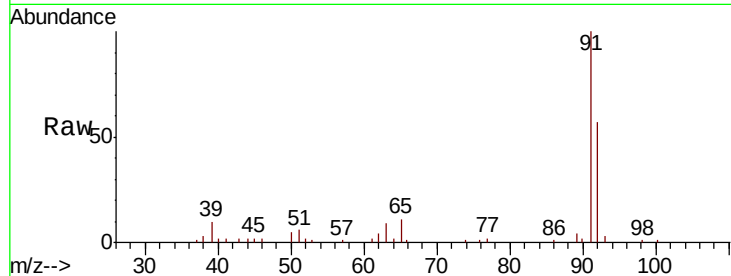
91 178.3 139.4 209.2

Manual Integrations

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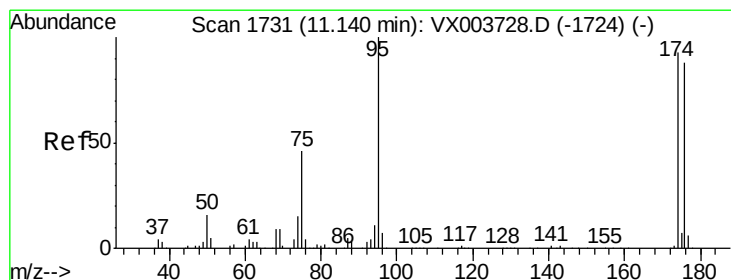
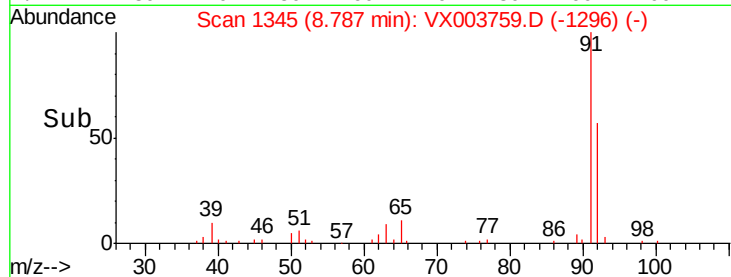
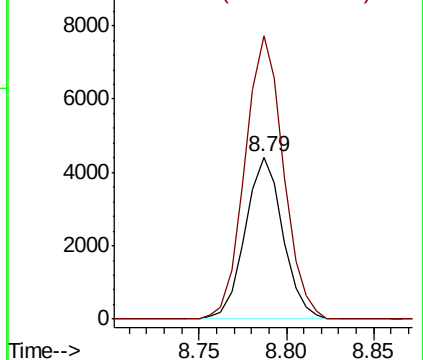
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Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 37.51 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003759.D

Acq: 31 Jul 2018 19:05

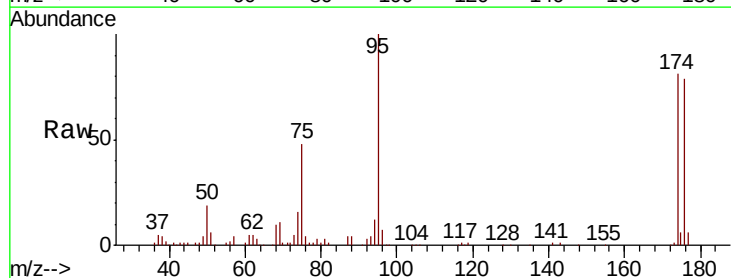
Tgt Ion: 95 Resp: 35815

Ion Ratio Lower Upper

95 100

174 86.1 0.0 186.2

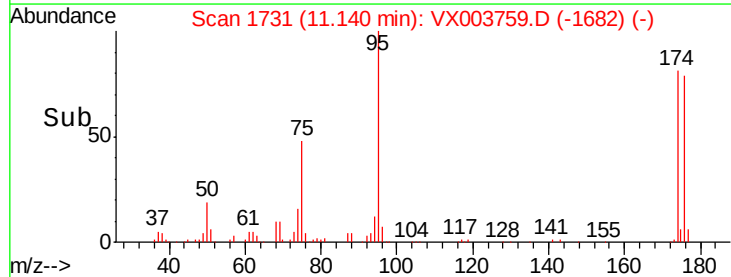
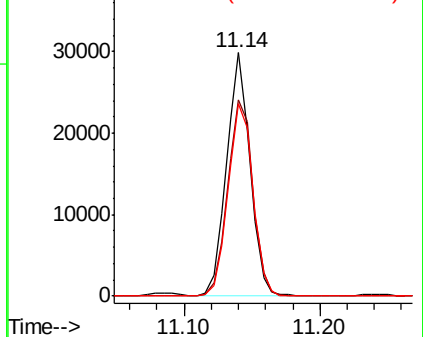
176 83.6 0.0 179.2

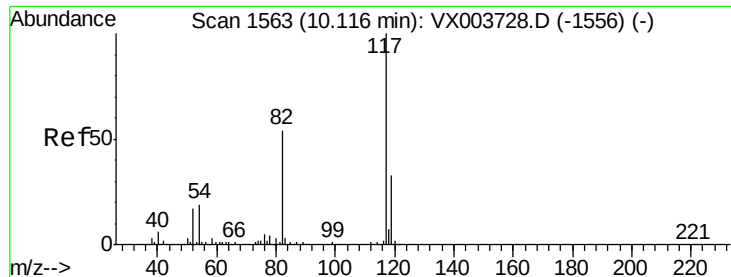


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





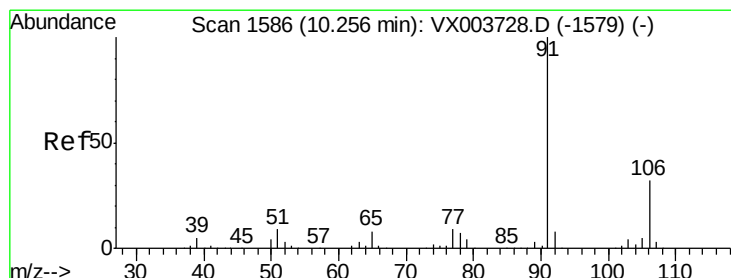
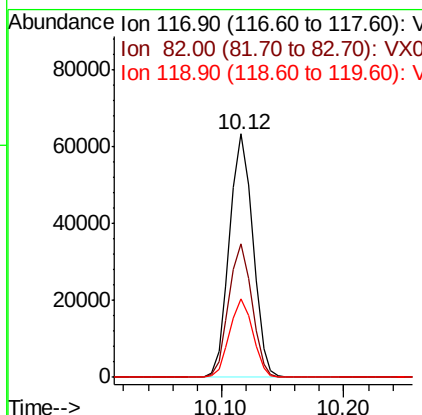
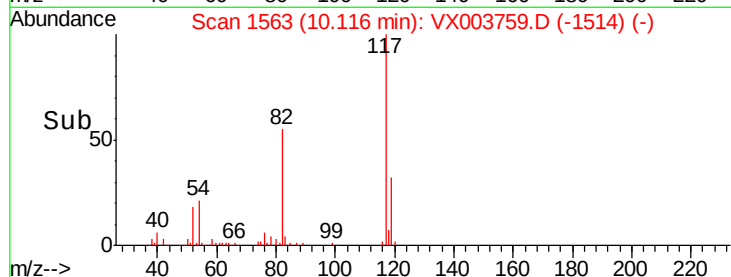
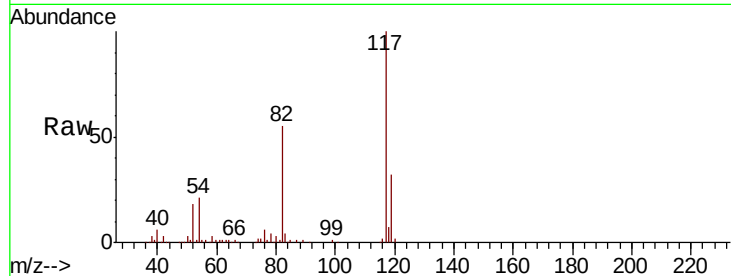
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003759.D
Acq: 31 Jul 2018 19:05

Instrument :
MSVOA_X
ClientSampleId :
SB-12(3-5)RE

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	43.2	64.8
119	32.3	26.3	39.5

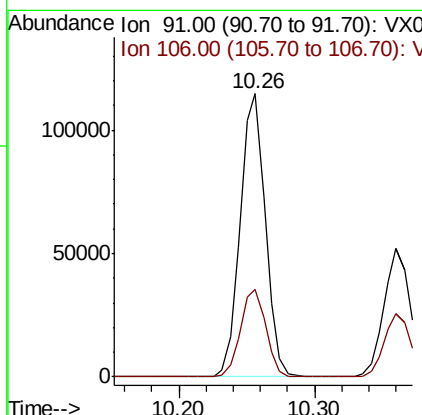
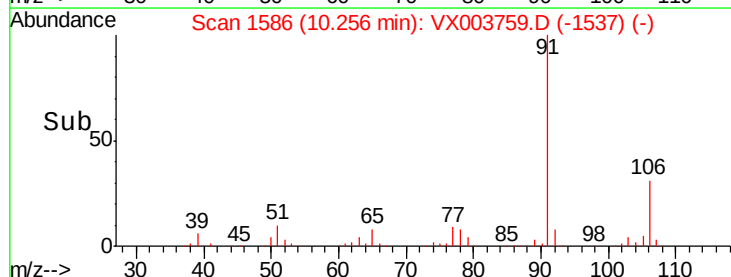
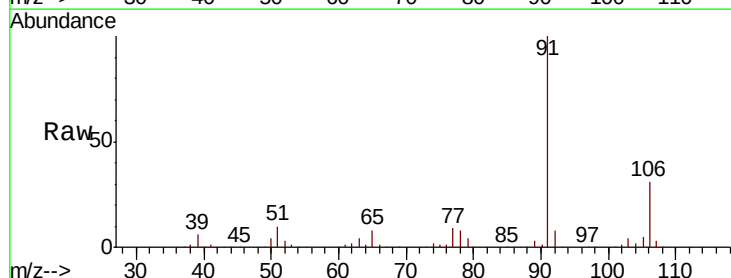
Manual Integrations
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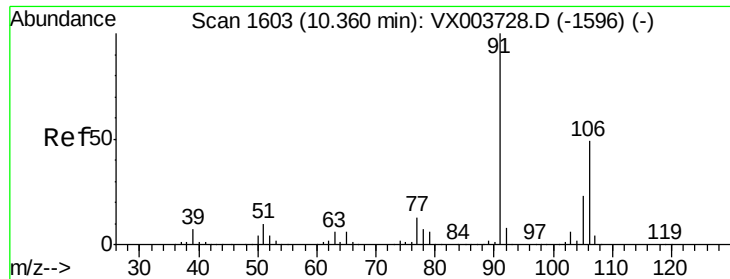
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#67
Ethyl Benzene
Concen: 49.90 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003759.D
Acq: 31 Jul 2018 19:05

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.0	25.4	38.2





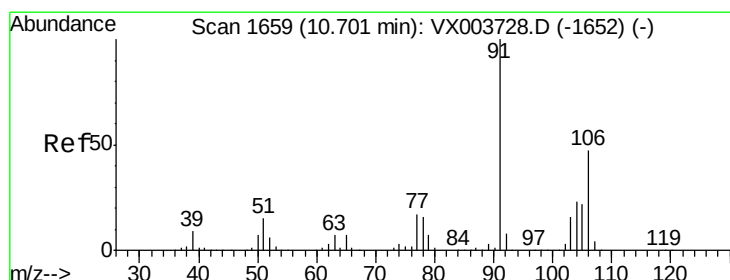
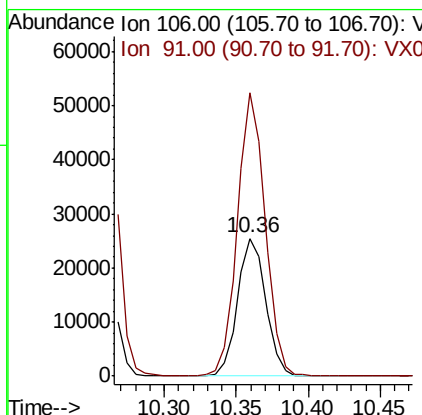
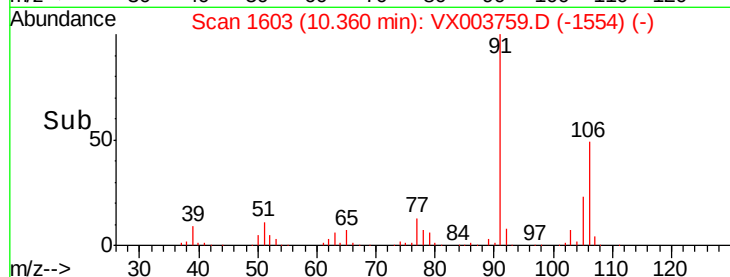
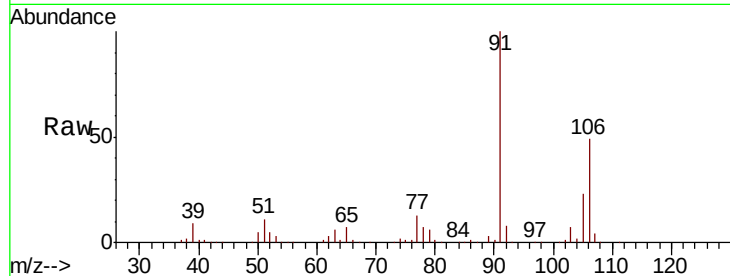
#68
m/p-Xylenes
Concen: 29.93 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003759.D
Acq: 31 Jul 2018 19:05

Instrument :
MSVOA_X
ClientSampleId :
SB-12(3-5)RE

Tot Ion:106 Resp: 34669
Ion Ratio Lower Upper
106 100
91 201.7 159.8 239.8

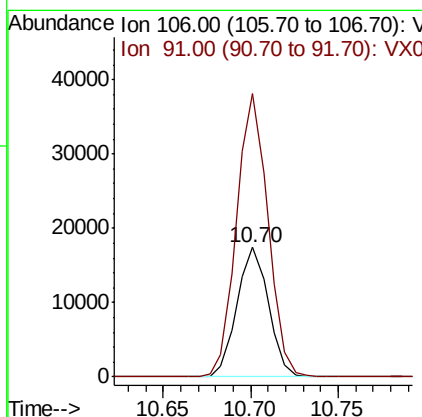
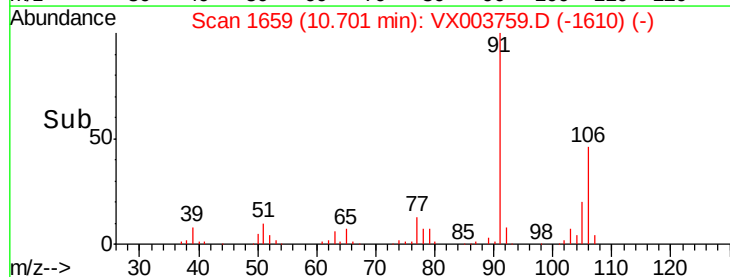
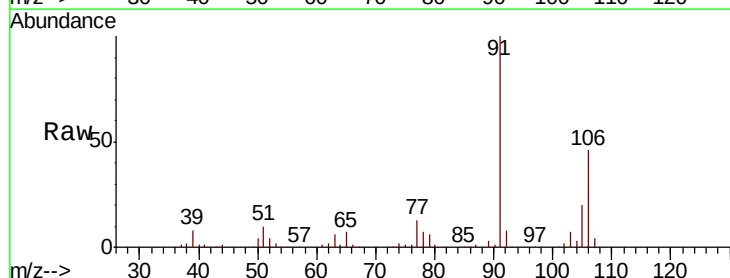
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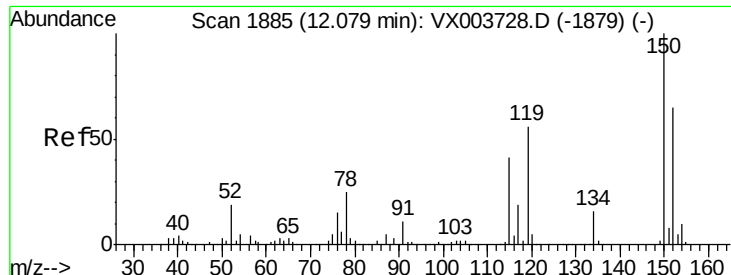
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#69
o-Xylene
Concen: 20.39 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003759.D
Acq: 31 Jul 2018 19:05

Tgt Ion:106 Resp: 21926
Ion Ratio Lower Upper
106 100
91 217.8 105.6 316.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003759.D

Acq: 31 Jul 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

SB-12(3-5)RE

Tot Ion:152 Resp: 35078

Ion Ratio Lower Upper

152 100

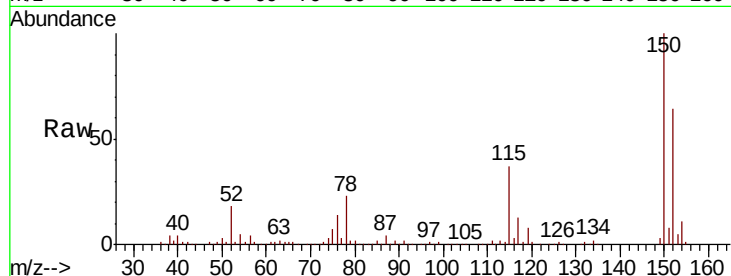
115 58.4 38.5 115.3

150 155.6 0.0 346.2

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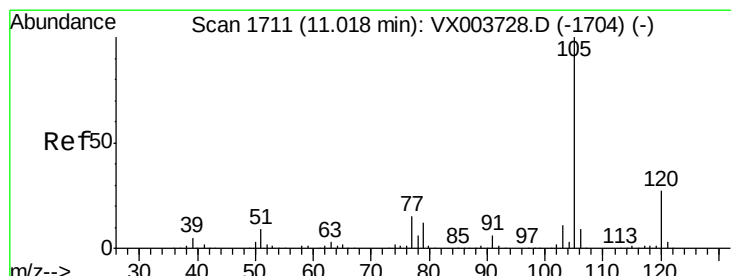
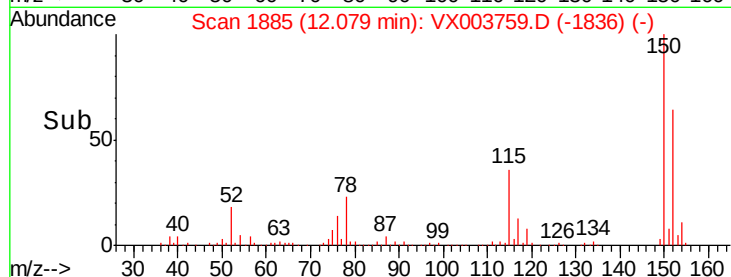
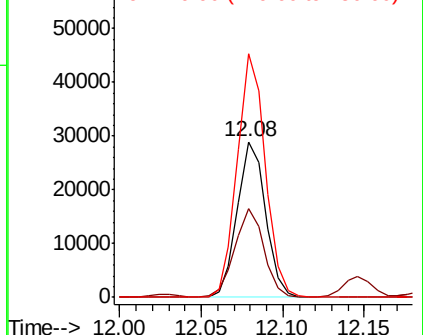
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 15.82 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003759.D

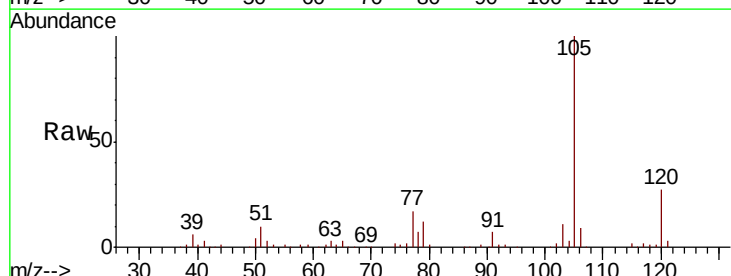
Acq: 31 Jul 2018 19:05

Tgt Ion:105 Resp: 34740

Ion Ratio Lower Upper

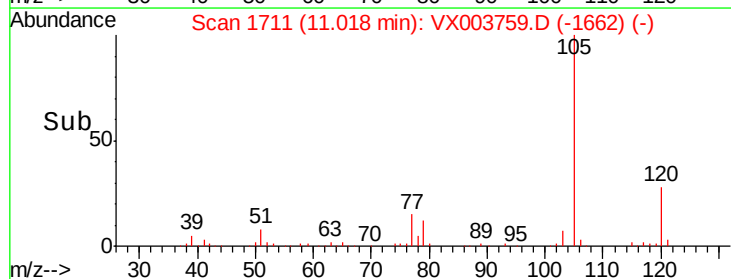
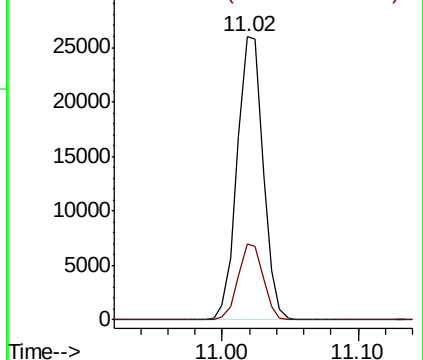
105 100

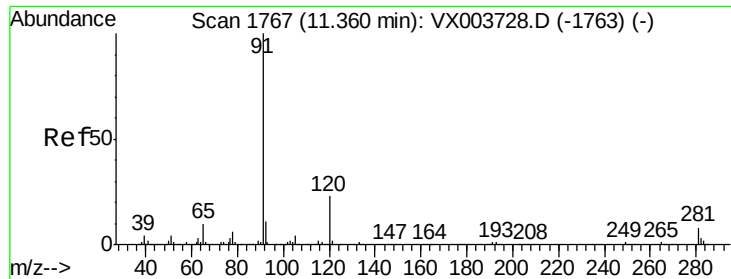
120 25.8 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 5.35 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003759.D

Acq: 31 Jul 2018 19:05

Instrument :

MSVOA_X

ClientSampled :

SB-12(3-5)RE

Tot Ion: 91 Resp: 14221

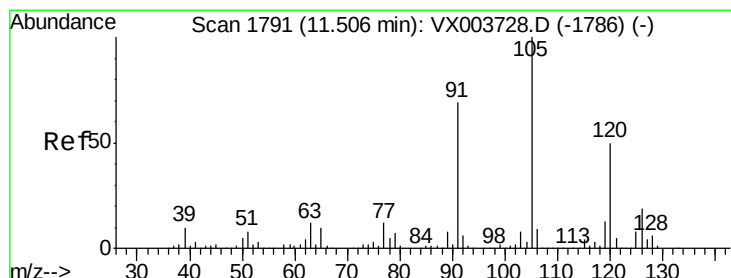
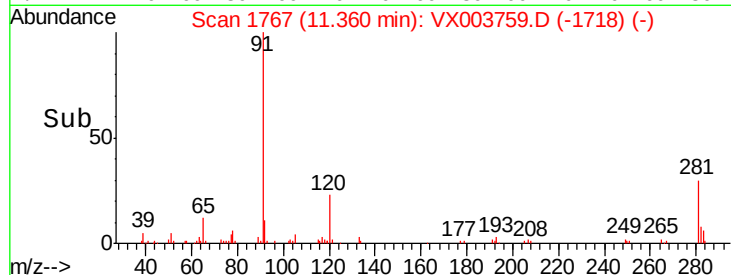
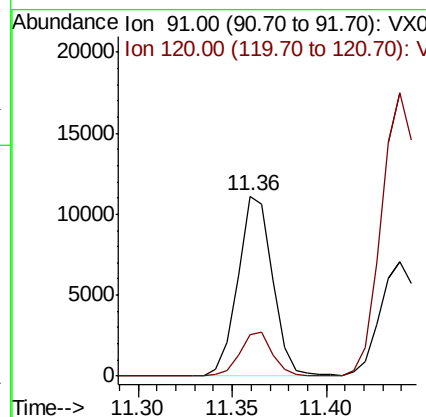
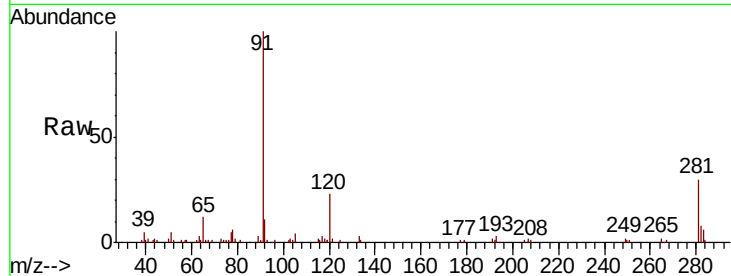
Ion Ratio Lower Upper

91 100

120 22.8 11.9 35.5

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#80

1,3,5-Trimethylbenzene

Concen: 33.80 ug/l m

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX003759.D

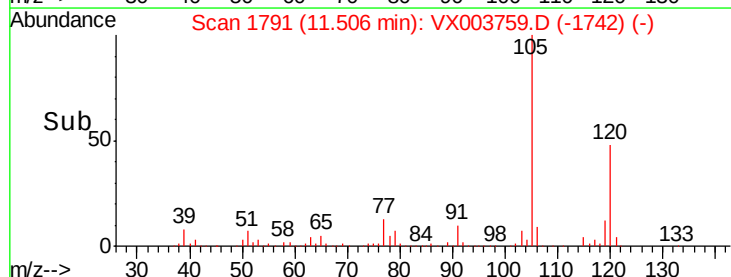
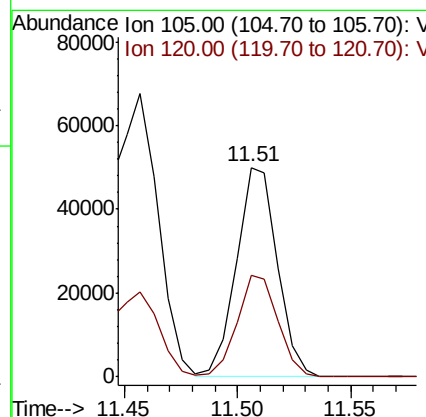
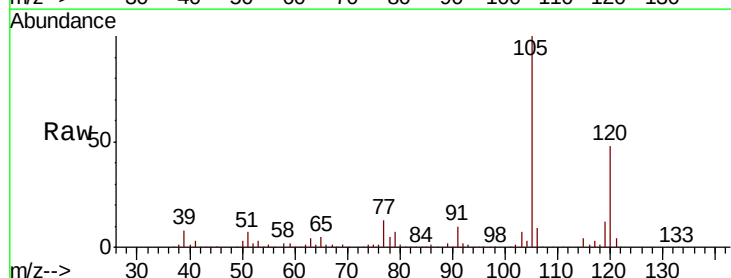
Acq: 31 Jul 2018 19:05

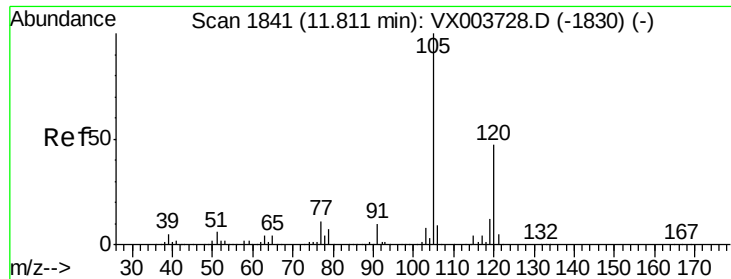
Tgt Ion: 105 Resp: 63352

Ion Ratio Lower Upper

105 100

120 67.3 15.8 47.4#





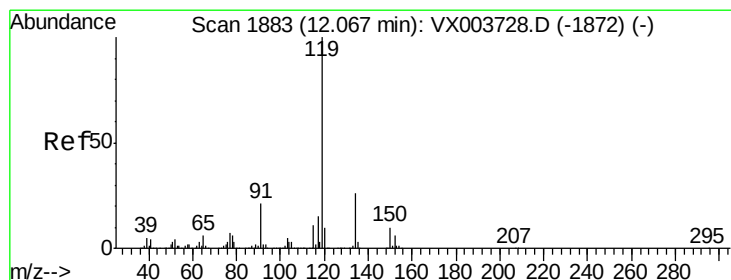
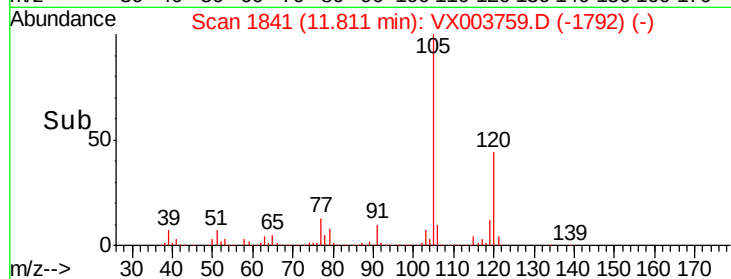
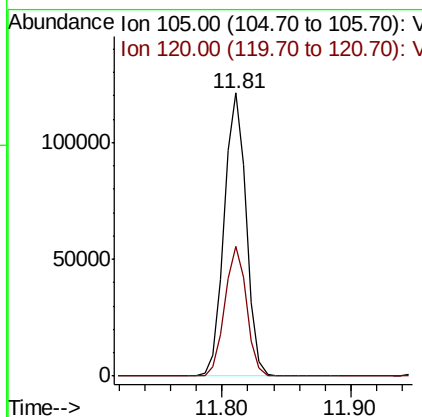
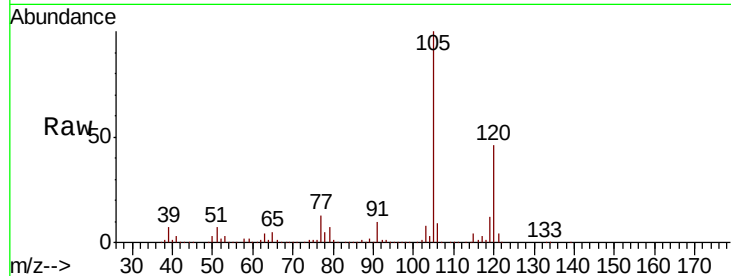
#84
 1,2,4-Trimethylbenzene
 Concen: 75.83 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003759.D
 Acq: 31 Jul 2018 19:05

Instrument :
 MSVOA_X
 ClientSampled :
 SB-12(3-5)RE

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.3	23.1	69.2

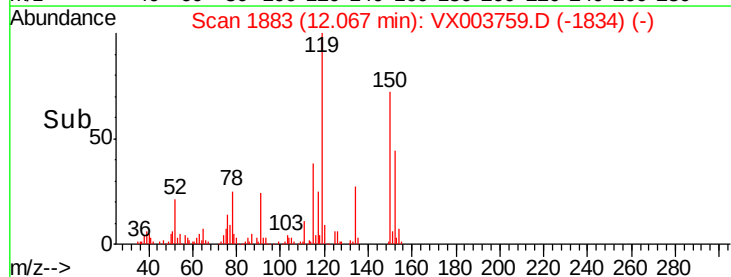
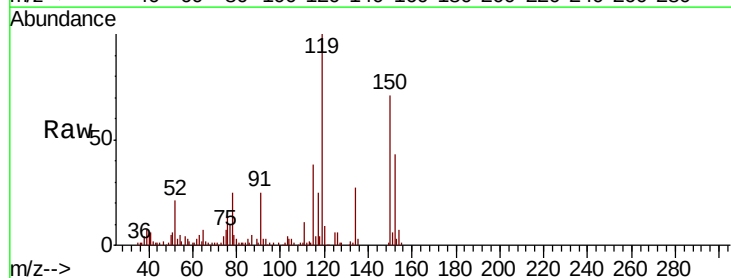
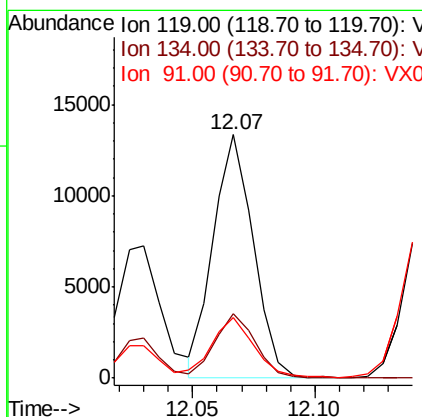
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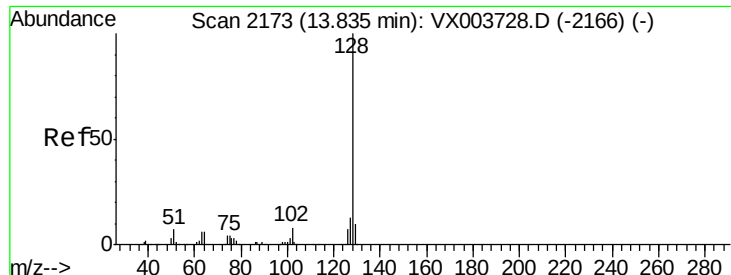
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#86
 p-Isopropyltoluene
 Concen: 7.05 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX003759.D
 Acq: 31 Jul 2018 19:05

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	10.1	30.1
91	0.0	23.6	70.8#





#95
Naphthalene
Concen: 6490.04 ug/l
RT: 13.85 min Scan# 2175
Delta R.T. 0.01 min
Lab File: VX003759.D
Acq: 31 Jul 2018 19:05

Instrument :
MSVOA_X
ClientSampleId :
SB-12(3-5)RE

Tot Ion:128 Resp:11865641
Ion Ratio Lower Upper
128 100
127 15.9 10.2 15.2#
129 14.0 8.7 13.1#

Manual Integrations
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