

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100518\
 Data File : VX005073.D
 Acq On : 05 Oct 2018 18:25
 Operator : JC/MD
 Sample : J5214-04DL2 10000X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 N48719DL2

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 1:46:16 PM

Quant Time: Oct 05 19:05:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	208955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	331783	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	334656	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	198182	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	155971	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
35) Dibromofluoromethane	5.51	113	130534	46.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.84%	
50) Toluene-d8	8.72	98	481769	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
62) 4-Bromofluorobenzene	11.14	95	194994	57.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.80%	
Target Compounds						
					Qvalue	
16) Acetone	2.45	43	13320	7.643	ug/l #	86
25) 2-Butanone	4.71	43	14979	5.831	ug/l	96
40) Benzene	6.14	78	4998	0.416	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	2037	0.440	ug/l #	85
52) Toluene	8.79	92	27074	4.102	ug/l	96
59) 2-Hexanone	9.50	43	4488	1.164	ug/l	99
67) Ethyl Benzene	10.26	91	98674	7.243	ug/l	94
68) m/p-Xylenes	10.36	106	264114	49.608	ug/l	95
69) o-Xylene	10.70	106	172950	35.368	ug/l	100
73) Isopropylbenzene	11.02	105	41224	3.300	ug/l	98
78) n-propylbenzene	11.36	91	293771	20.497	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	719779	62.919	ug/l	100
82) 4-Chlorotoluene	11.51	91	72965	6.939	ug/l #	45
84) 1,2,4-Trimethylbenzene	11.81	105	2945769	250.283	ug/l	99
86) p-Isopropyltoluene	12.07	119	22447m	1.978	ug/l	
95) Naphthalene	13.83	128	1814149	109.186	ug/l	100

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

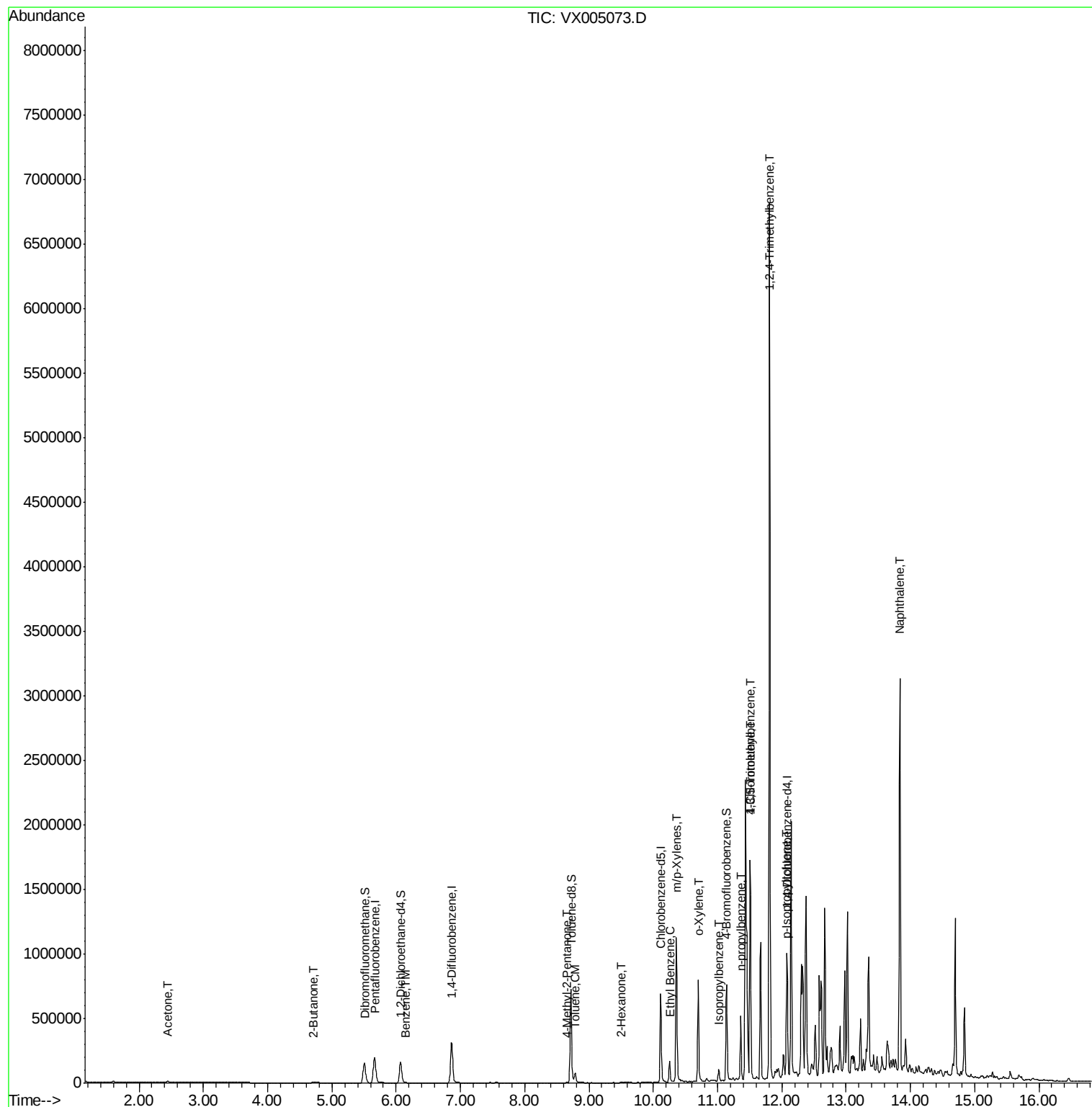
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100518\
Data File : VX005073.D
Acq On : 05 Oct 2018 18:25
Operator : JC/MD
Sample : J5214-04DL2 10000X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

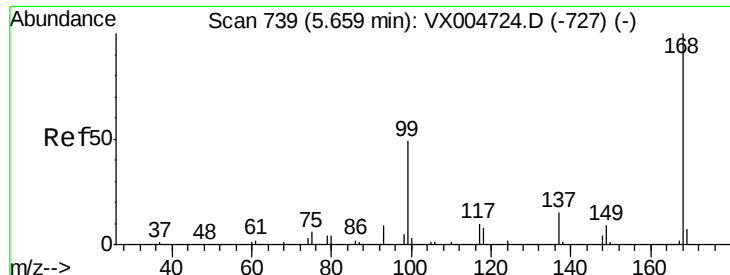
Instrument :
MSVOA_X
ClientSampleId :
N48719DL2

Manual Integrations
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10/8/2018 1:46:16 PM

Quant Time: Oct 05 19:05:09 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005073.D

Acq: 05 Oct 2018 18:25

Instrument :

MSVOA_X

ClientSampleId :

N48719DL2

Tot Ion:168 Resp: 208955

Ion Ratio Lower Upper

168 100

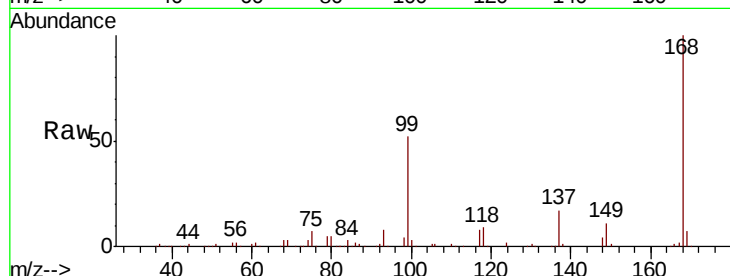
99 51.6 39.3 58.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

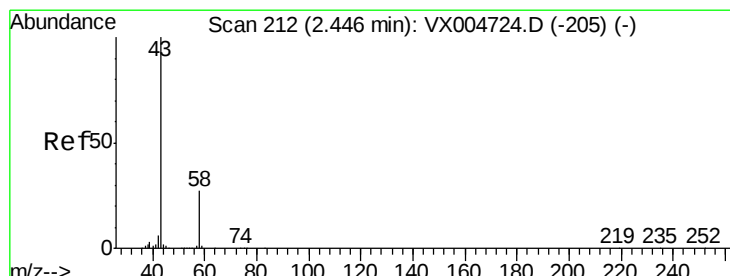
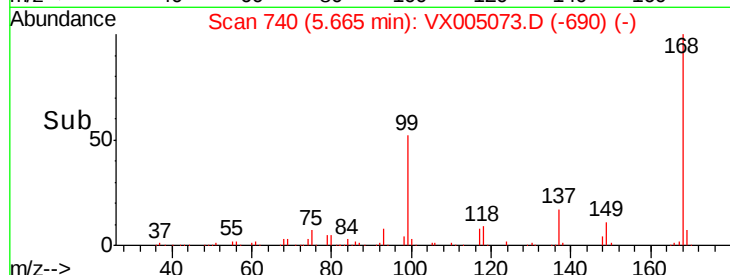
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#16

Acetone

Concen: 7.643 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005073.D

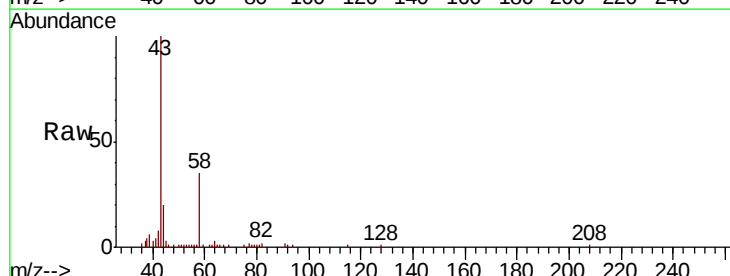
Acq: 05 Oct 2018 18:25

Tgt Ion: 43 Resp: 13320

Ion Ratio Lower Upper

43 100

58 34.3 21.8 32.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

8000

6000

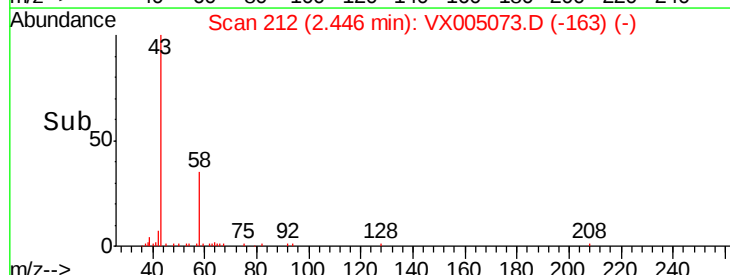
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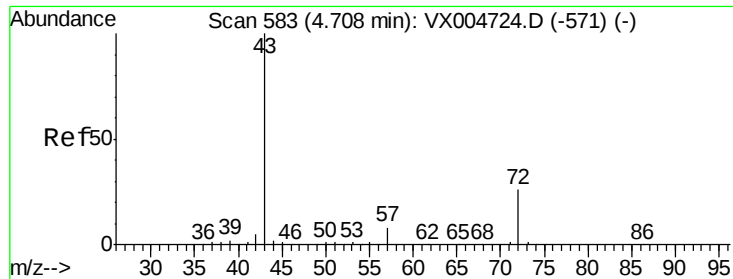
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0

Time-->

2.40 2.45 2.50 2.55





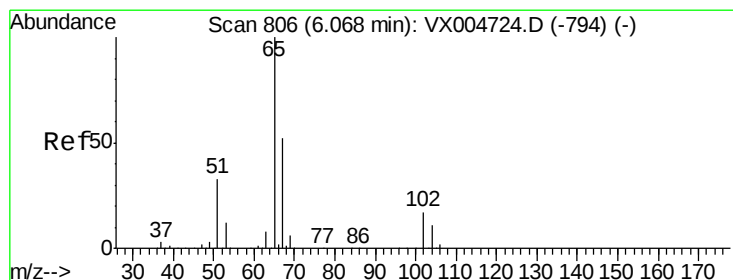
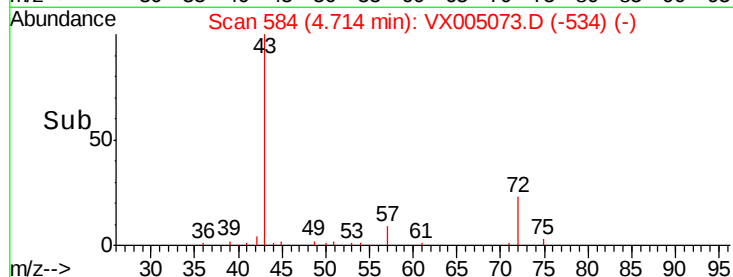
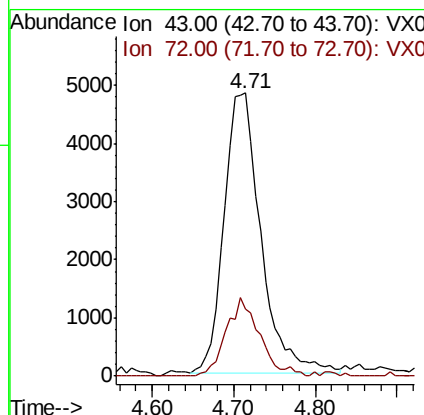
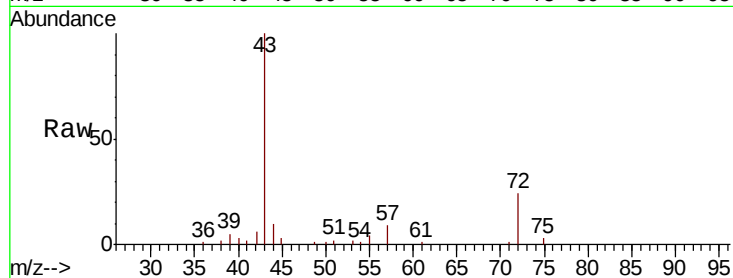
#25
2-Butanone
Concen: 5.831 ug/l
RT: 4.71 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX005073.D
Acq: 05 Oct 2018 18:25

Instrument :
MSVOA_X
ClientSampleId :
N48719DL2

Tot Ion: 43 Resp: 14979
Ion Ratio Lower Upper
43 100
72 23.9 20.8 31.2

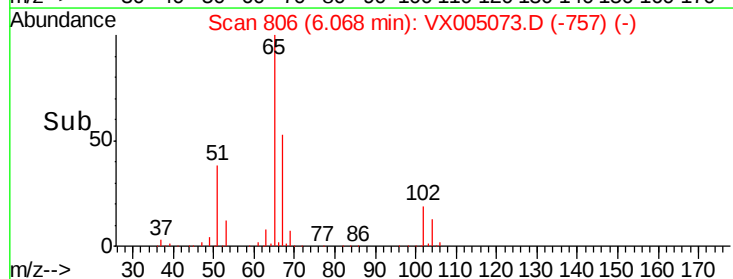
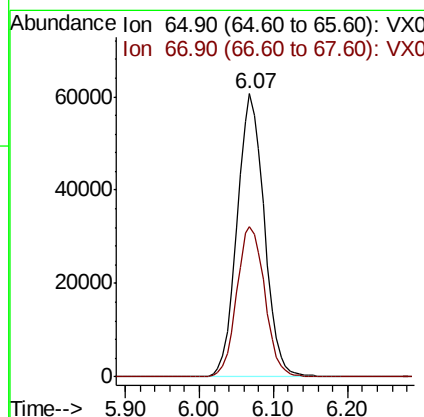
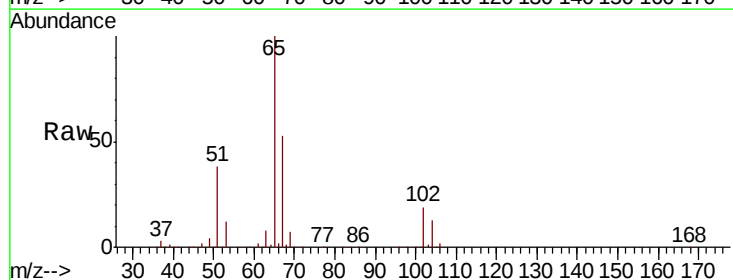
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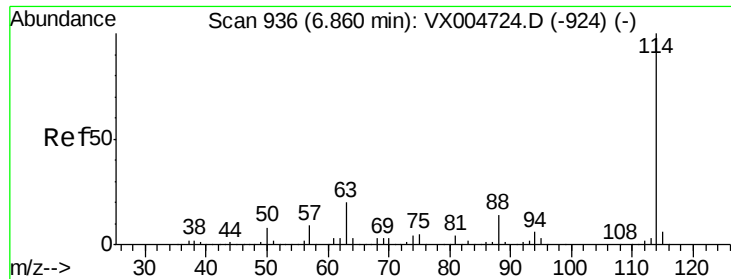
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#33
1,2-Dichloroethane-d4
Concen: 52.253 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX005073.D
Acq: 05 Oct 2018 18:25

Tgt Ion: 65 Resp: 155971
Ion Ratio Lower Upper
65 100
67 54.7 0.0 107.4





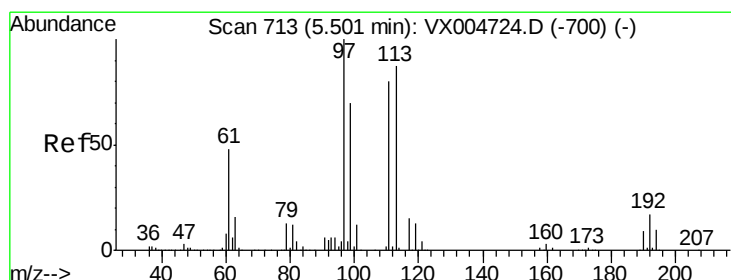
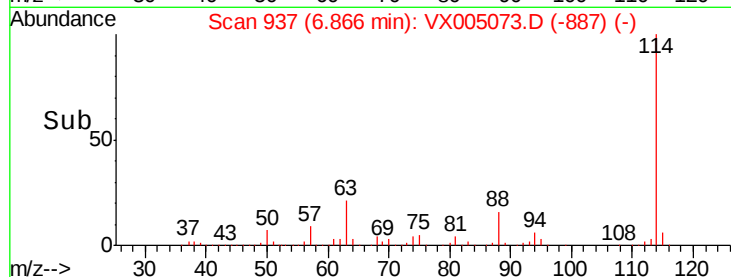
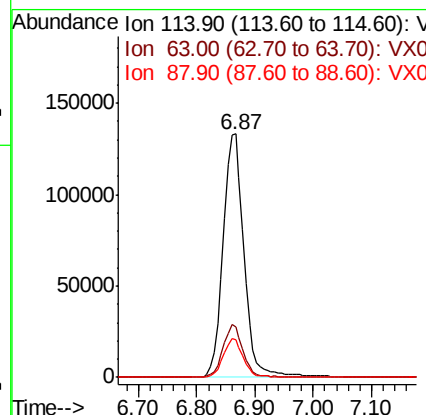
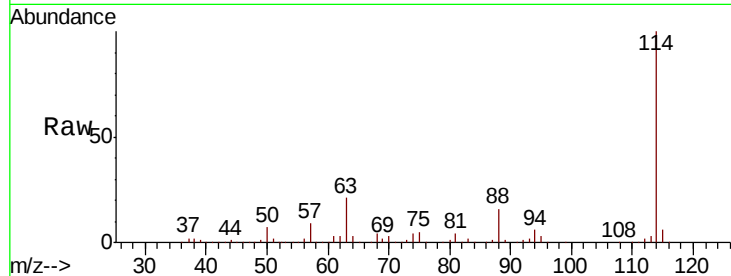
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.87 min Scan# 937
Delta R.T. 0.01 min
Lab File: VX005073.D
Acq: 05 Oct 2018 18:25

Instrument :
MSVOA_X
ClientSampleId :
N48719DL2

Tot Ion	Ratio	Resp	Lower	Upper
114	100	331783		
63	20.9	0.0	39.8	
88	15.6	0.0	27.0	

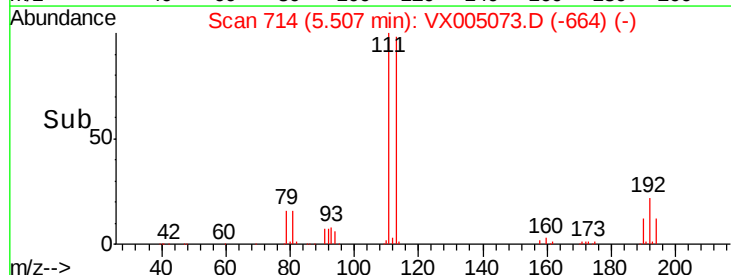
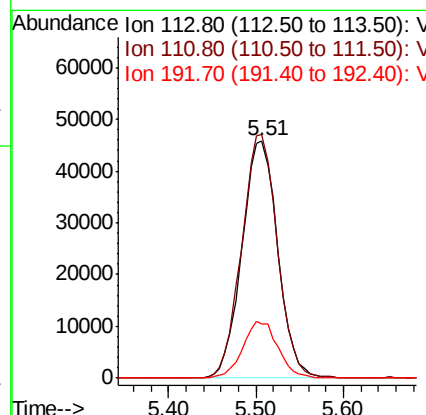
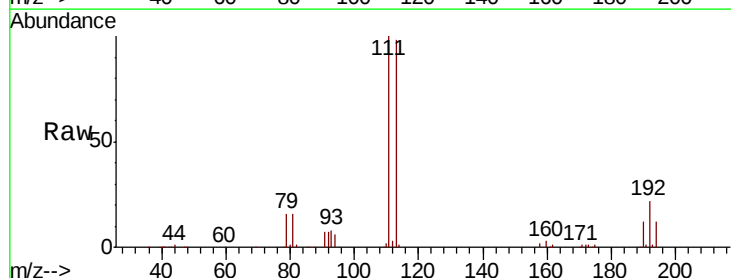
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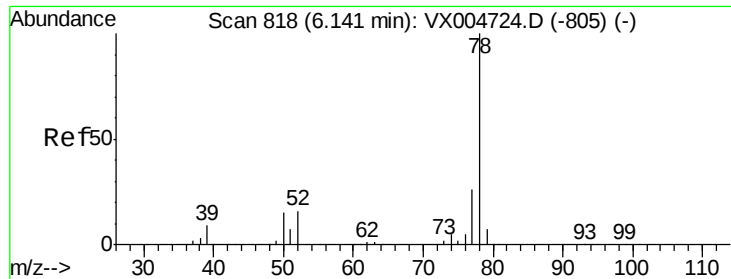
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#35
Dibromofluoromethane
Concen: 46.422 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX005073.D
Acq: 05 Oct 2018 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	130534		
111	102.5	77.0	115.4	
192	23.4	17.0	25.6	





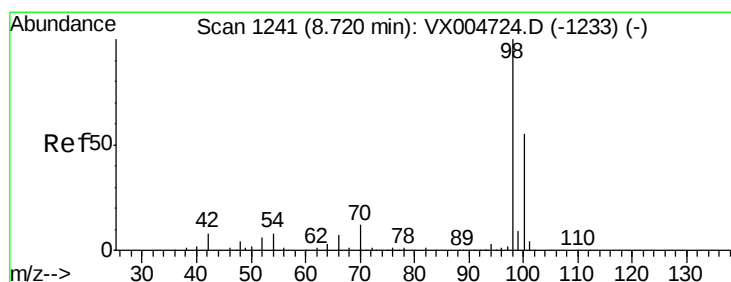
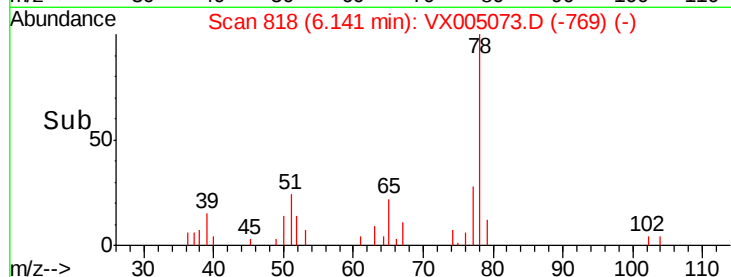
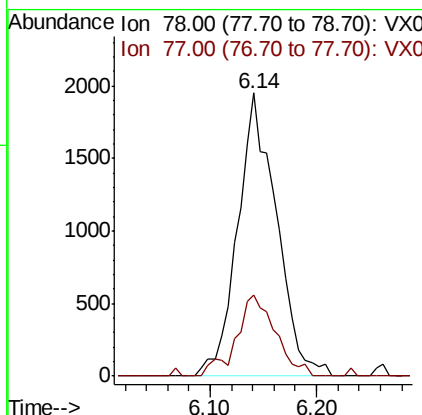
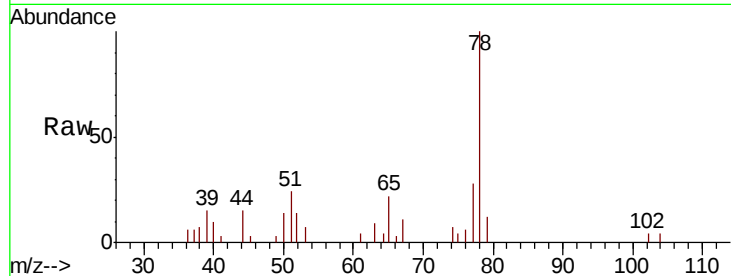
#40
Benzene
Concen: 0.416 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX005073.D
Acq: 05 Oct 2018 18:25

Instrument :
MSVOA_X
ClientSampleId :
N48719DL2

Tot Ion: 78 Resp: 4998
Ion Ratio Lower Upper
78 100
77 28.5 21.0 31.4

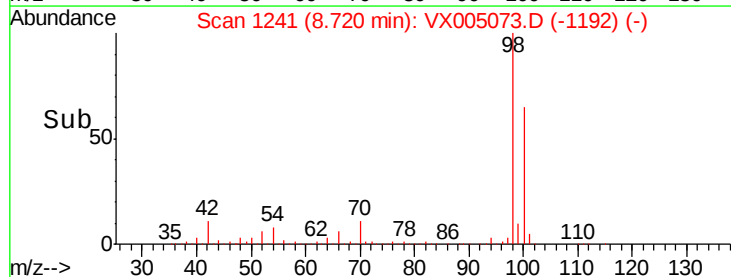
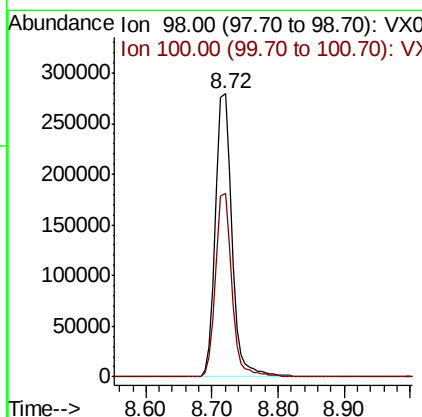
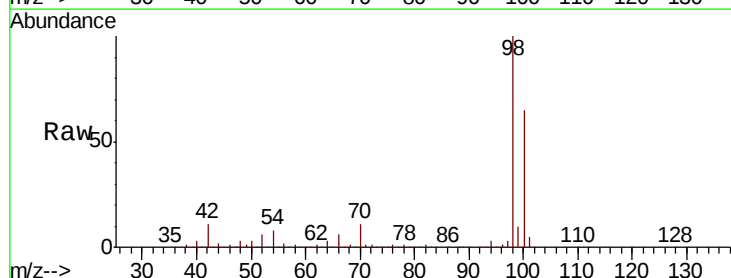
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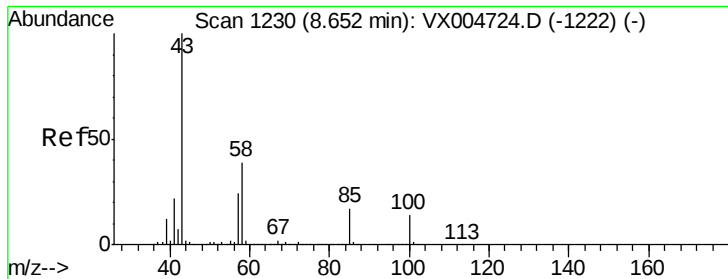
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#50
Toluene-d8
Concen: 51.536 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX005073.D
Acq: 05 Oct 2018 18:25

Tgt Ion: 98 Resp: 481769
Ion Ratio Lower Upper
98 100
100 63.6 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 0.440 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VX005073.D

Acq: 05 Oct 2018 18:25

Instrument :

MSVOA_X

ClientSampled :

N48719DL2

Tot Ion: 43 Resp: 2037

Ion Ratio Lower Upper

43 100

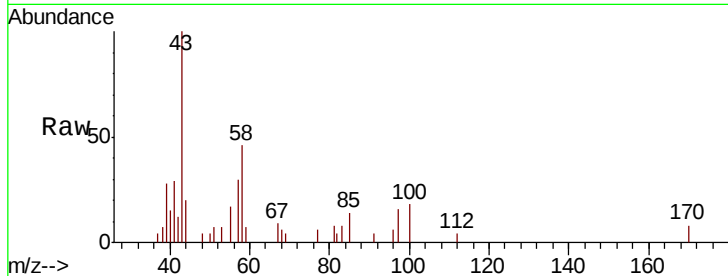
58 46.9 30.5 45.7#

Manual Integrations

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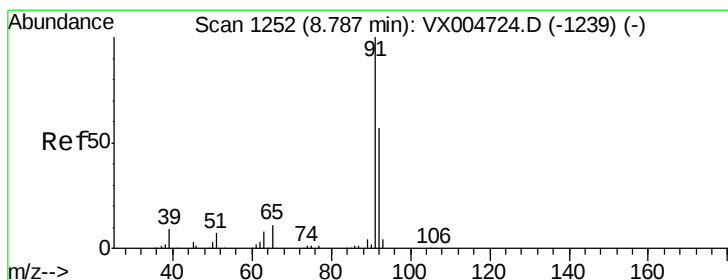
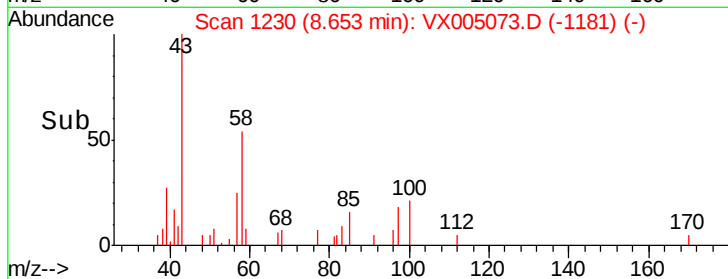
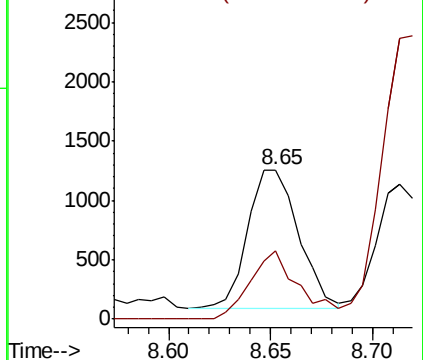
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 4.102 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX005073.D

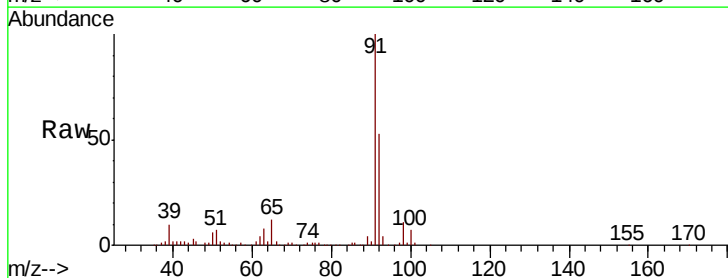
Acq: 05 Oct 2018 18:25

Tgt Ion: 92 Resp: 27074

Ion Ratio Lower Upper

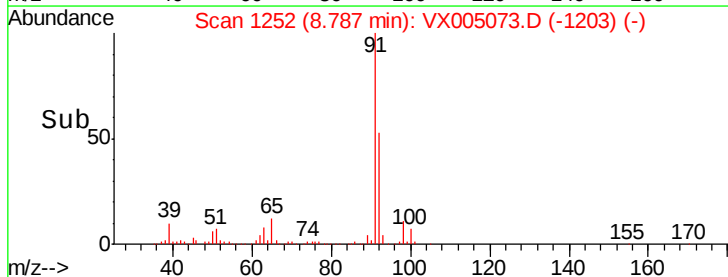
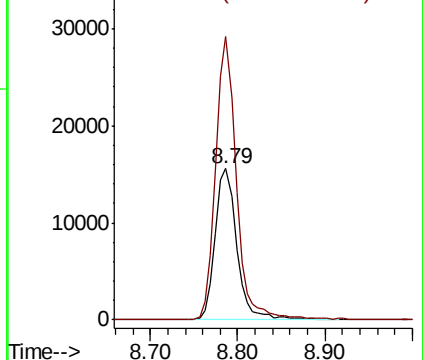
92 100

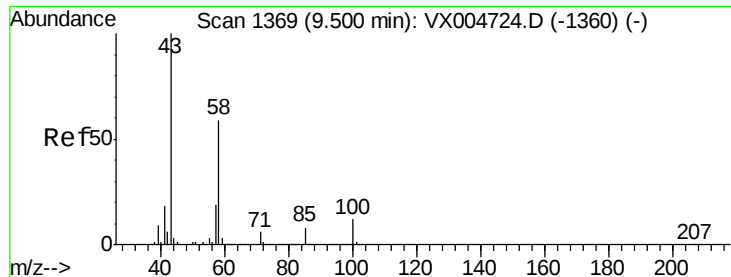
91 176.1 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





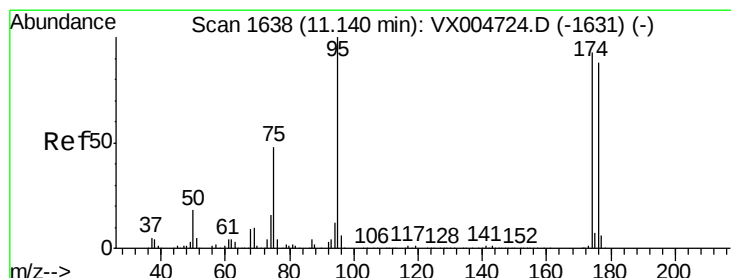
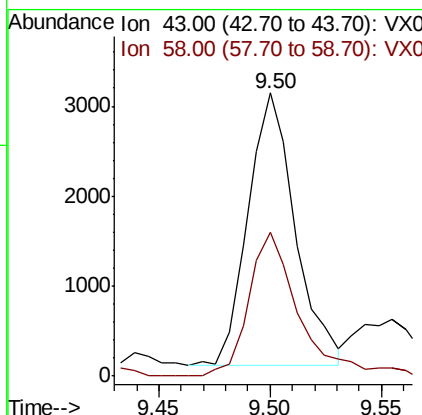
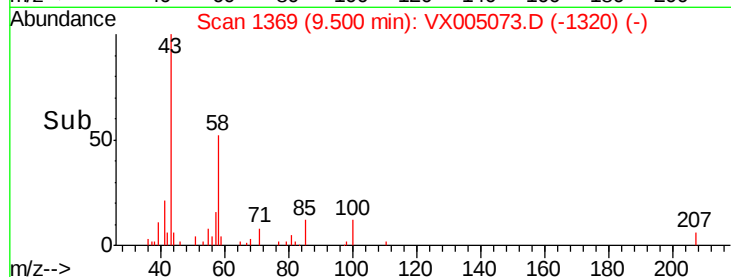
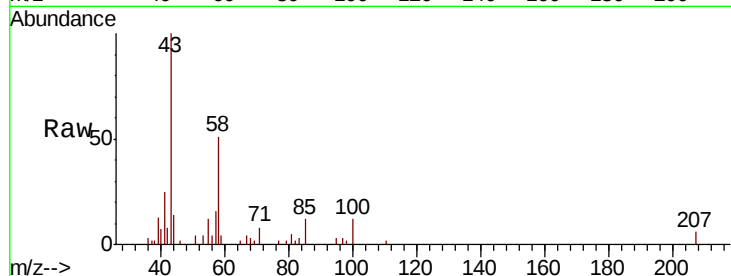
#59
2-Hexanone
Concen: 1.164 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX005073.D
Acq: 05 Oct 2018 18:25

Instrument :
MSVOA_X
ClientSampleId :
N48719DL2

Tot Ion: 43 Resp: 4488
Ion Ratio Lower Upper
43 100
58 56.5 28.4 85.3

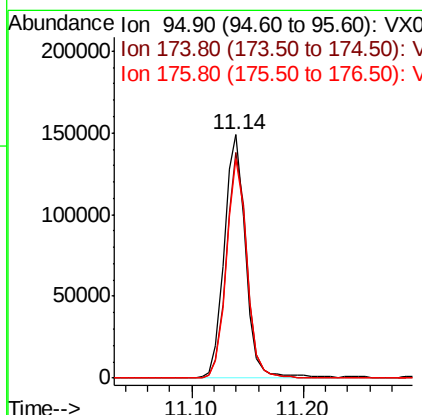
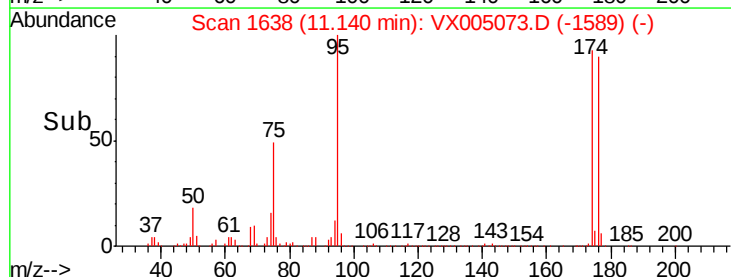
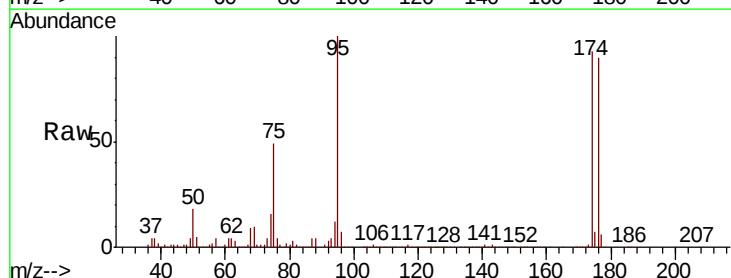
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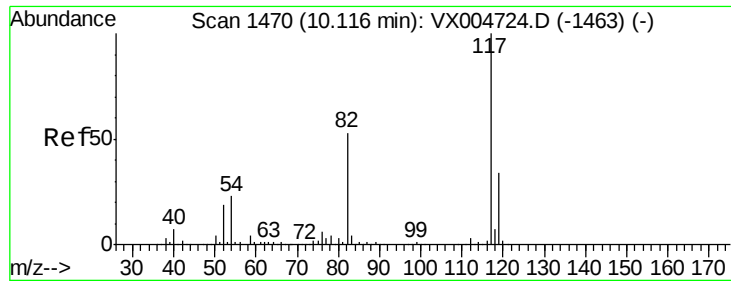
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#62
4-Bromofluorobenzene
Concen: 57.901 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005073.D
Acq: 05 Oct 2018 18:25

Tgt Ion: 95 Resp: 194994
Ion Ratio Lower Upper
95 100
174 89.4 0.0 185.0
176 87.0 0.0 180.2





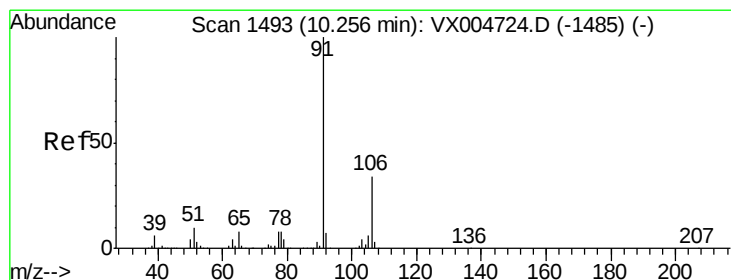
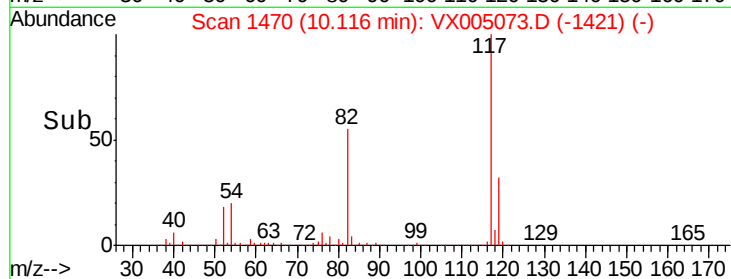
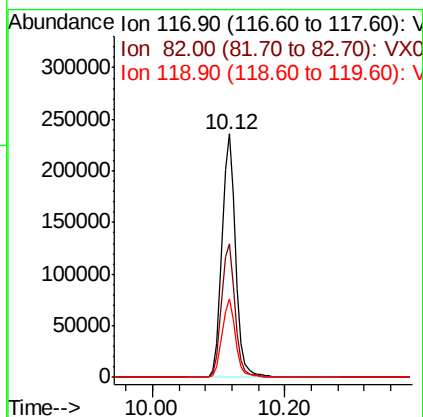
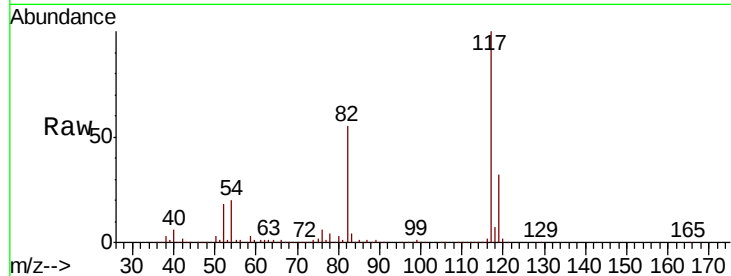
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005073.D
Acq: 05 Oct 2018 18:25

Instrument :
MSVOA_X
ClientSampleId :
N48719DL2

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	42.2	63.4
119	32.3	27.4	41.0

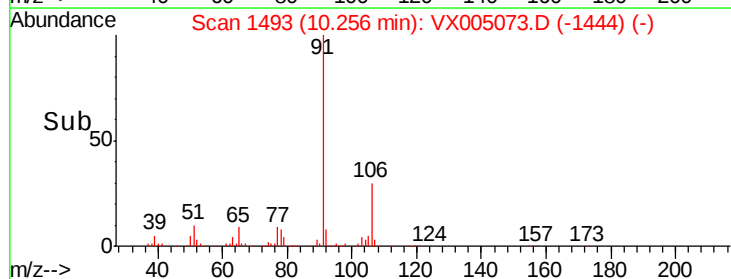
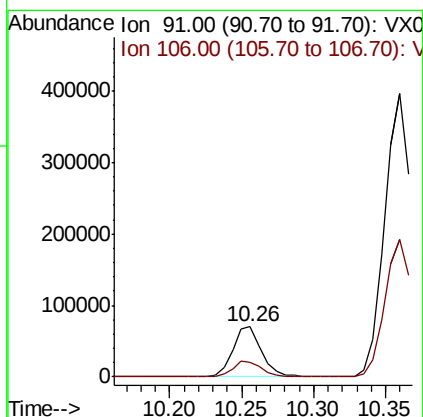
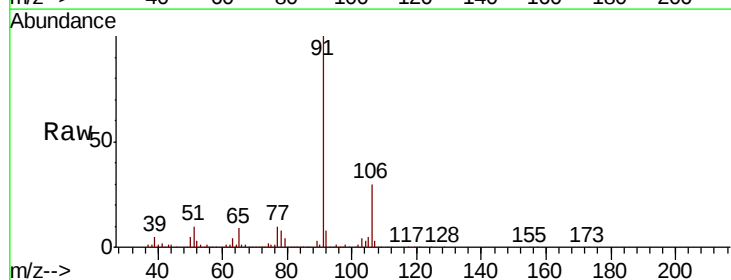
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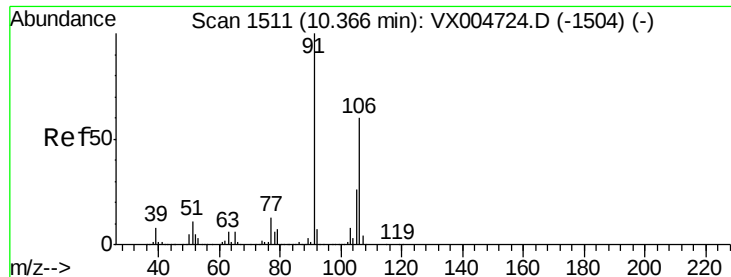
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#67
Ethyl Benzene
Concen: 7.243 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VX005073.D
Acq: 05 Oct 2018 18:25

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.3	26.9	40.3





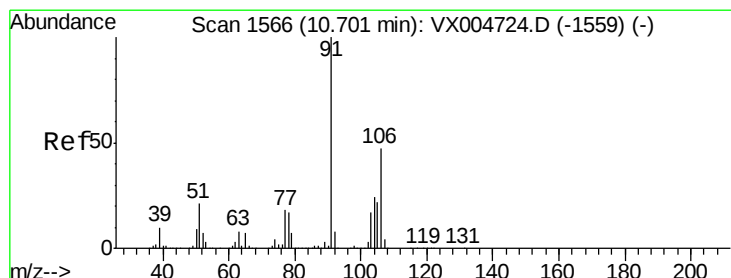
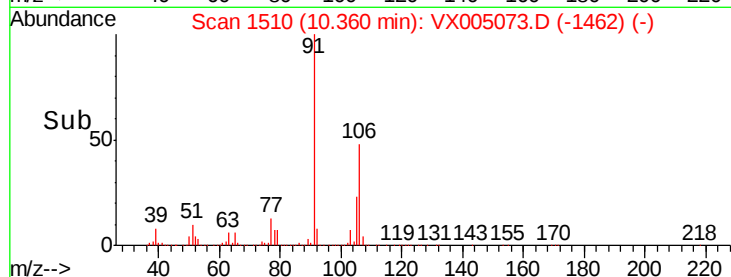
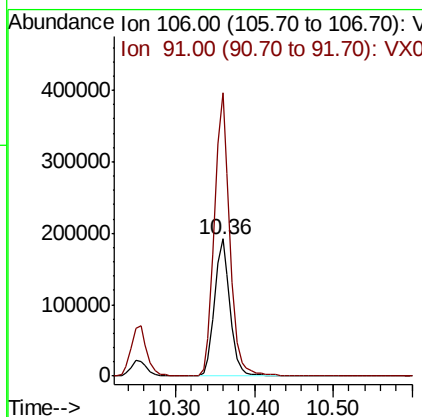
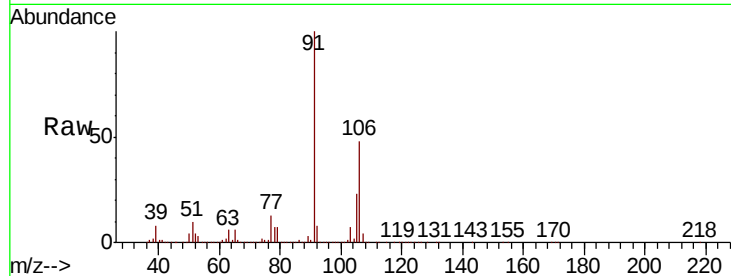
#68
m/p-Xvlenes
Concen: 49.608 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX005073.D
Acq: 05 Oct 2018 18:25

Instrument :
MSVOA_X
ClientSampled :
N48719DL2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		264114		
91	204.3	157.5	236.3		

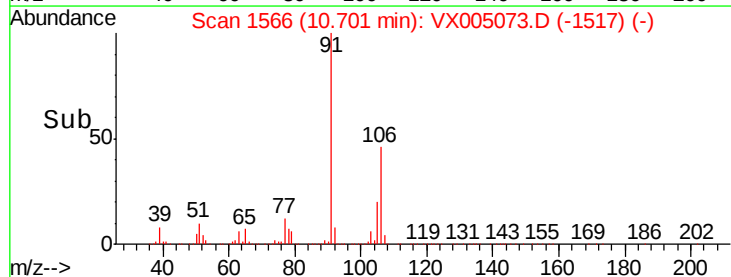
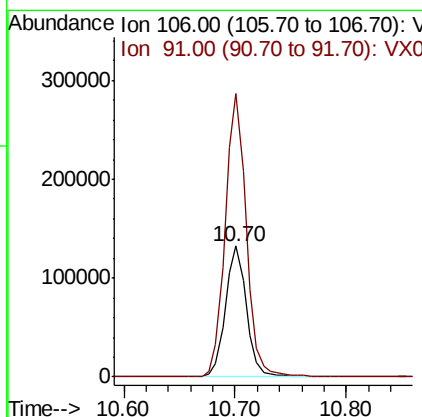
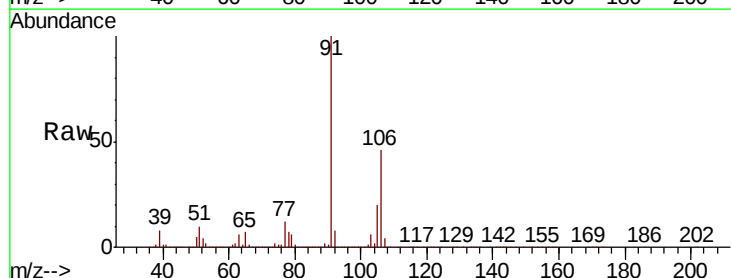
Manual Integrations
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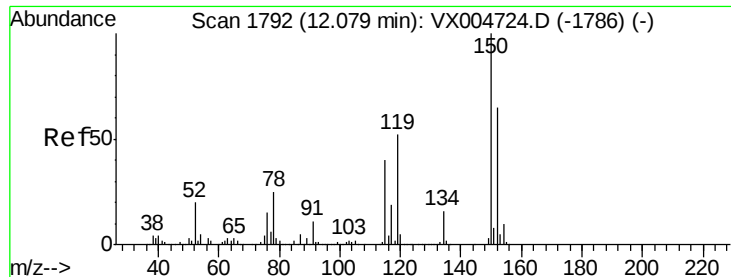
MMDadoda
10/8/2018 1:46:16 PM



#69
o-Xylene
Concen: 35.368 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005073.D
Acq: 05 Oct 2018 18:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		172950		
91	216.1	108.3	324.8		





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005073.D

Acq: 05 Oct 2018 18:25

Instrument :

MSVOA_X

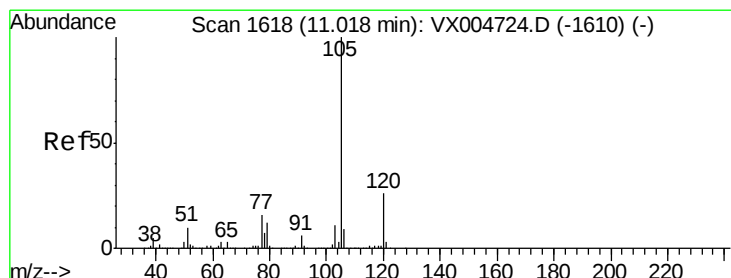
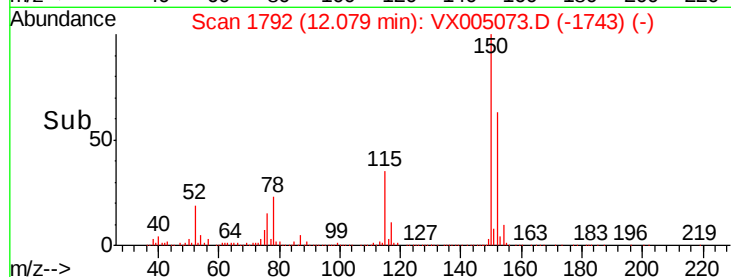
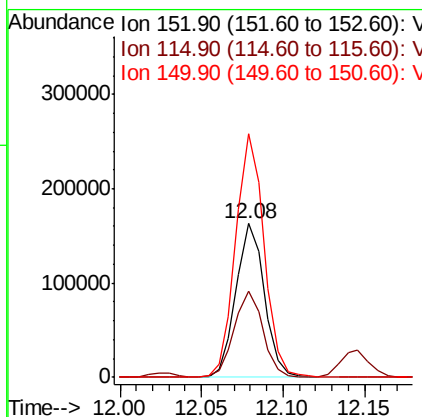
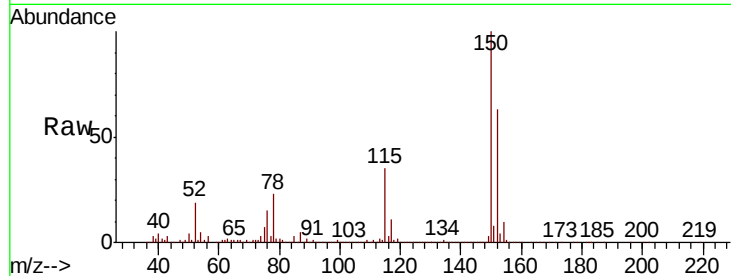
ClientSampleId :

N48719DL2

Tot Ion:	152	Resp:	198182
Ion Ratio	Lower	Upper	
152	100		
115	56.8	40.2	120.6
150	158.1	0.0	351.0

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#73

Isopropylbenzene

Concen: 3.300 ug/l

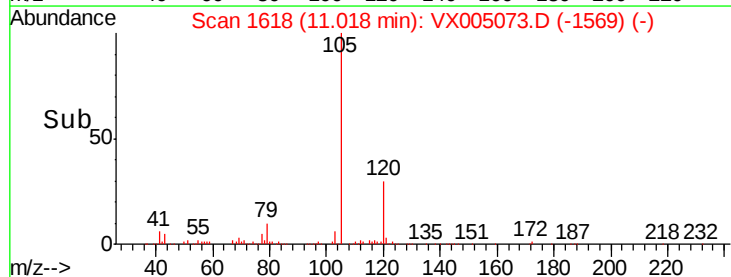
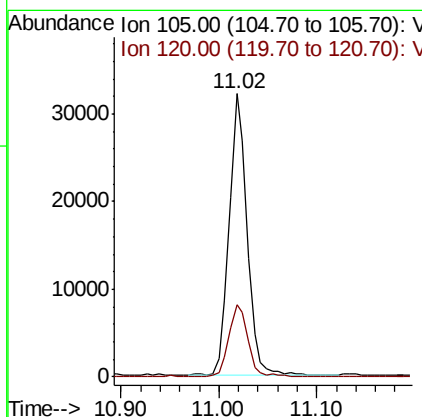
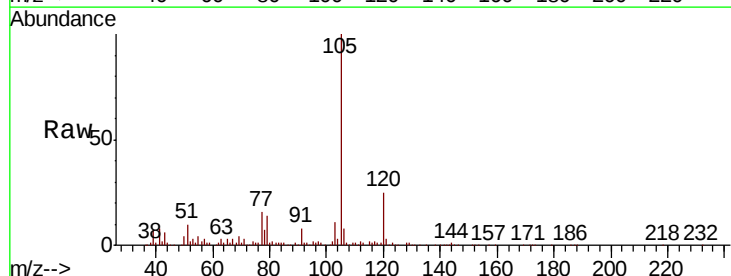
RT: 11.02 min Scan# 1618

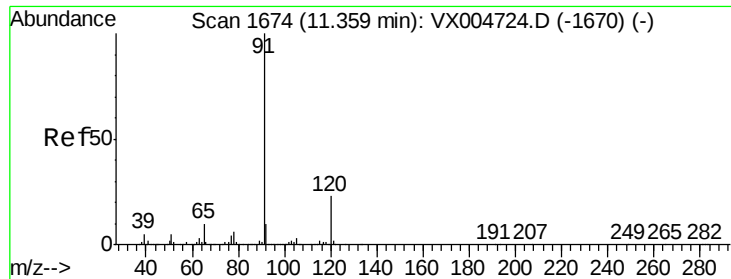
Delta R.T. 0.00 min

Lab File: VX005073.D

Acq: 05 Oct 2018 18:25

Tgt Ion:	105	Resp:	41224
Ion Ratio	Lower	Upper	
105	100		
120	27.3	13.2	39.5





#78

n-propylbenzene

Concen: 20.497 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005073.D

Acq: 05 Oct 2018 18:25

Instrument :

MSVOA_X

ClientSampleId :

N48719DL2

Tot Ion: 91 Resp: 293771

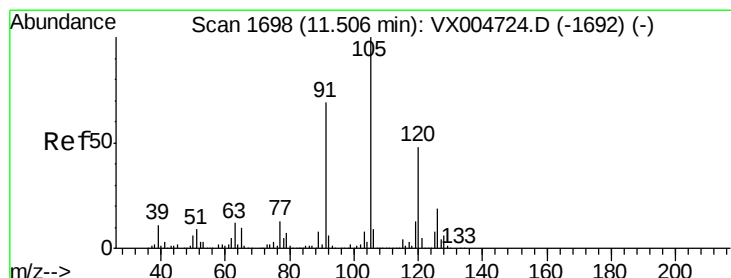
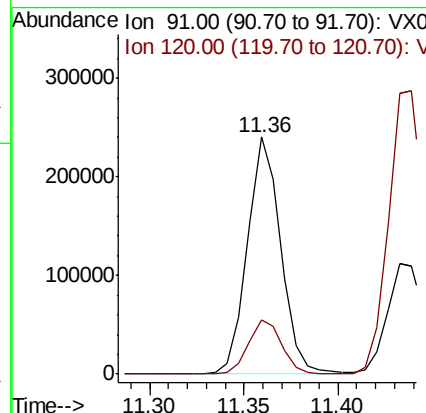
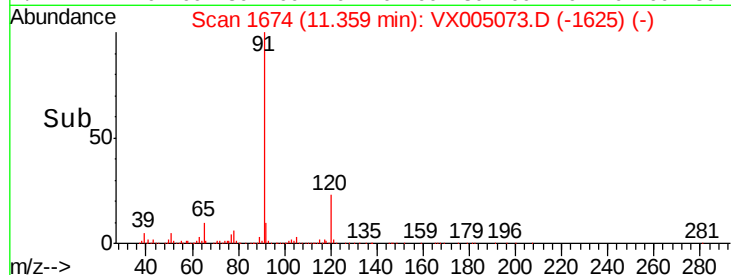
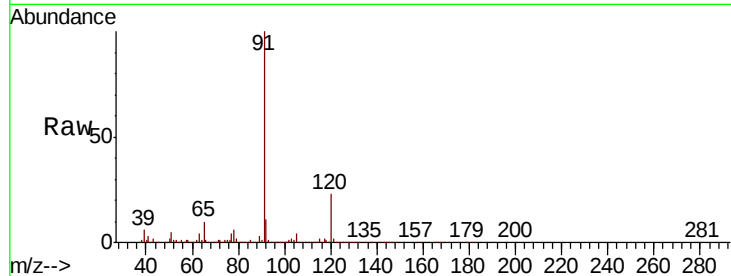
Ion Ratio Lower Upper

91 100

120 23.1 12.0 36.0

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#80

1,3,5-Trimethylbenzene

Concen: 62.919 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX005073.D

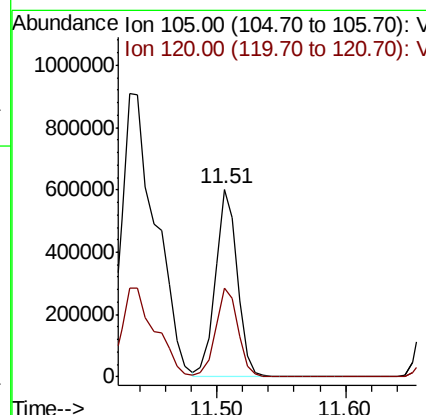
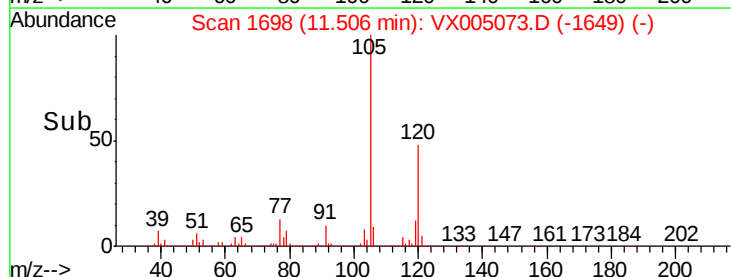
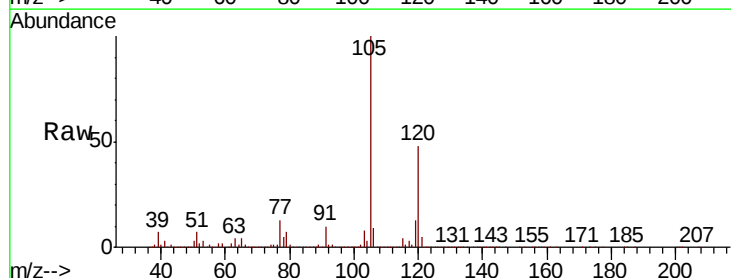
Acq: 05 Oct 2018 18:25

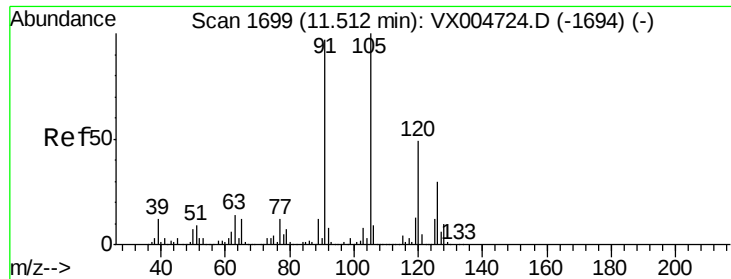
Tgt Ion: 105 Resp: 719779

Ion Ratio Lower Upper

105 100

120 48.8 24.3 72.8





#82

4-Chlorotoluene

Concen: 6.939 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX005073.D

Acq: 05 Oct 2018 18:25

Instrument :

MSVOA_X

ClientSampleId :

N48719DL2

Tot Ion: 91 Resp: 72965

Ion Ratio Lower Upper

91 100

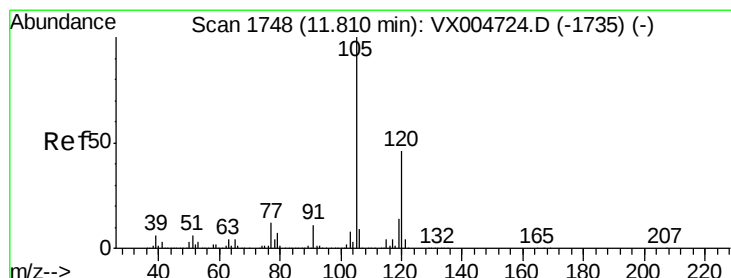
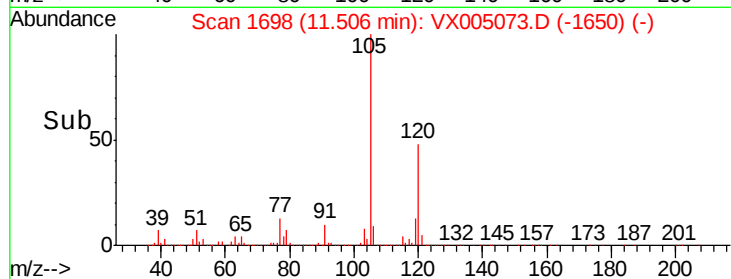
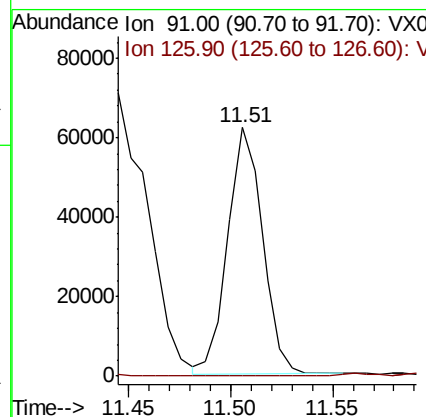
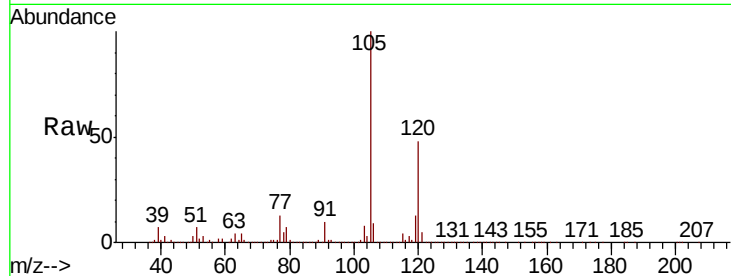
126 0.7 15.5 46.5#

Manual Integrations

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#84

1,2,4-Trimethylbenzene

Concen: 250.283 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.00 min

Lab File: VX005073.D

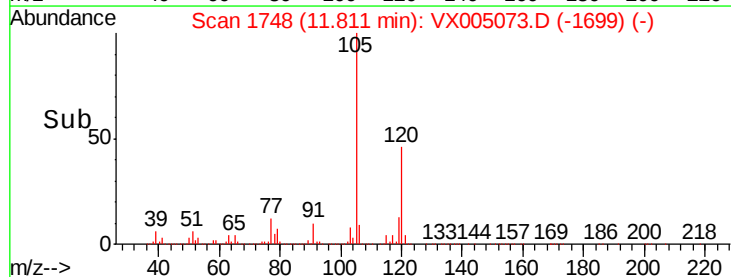
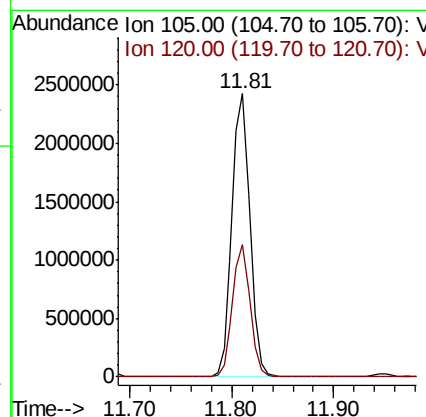
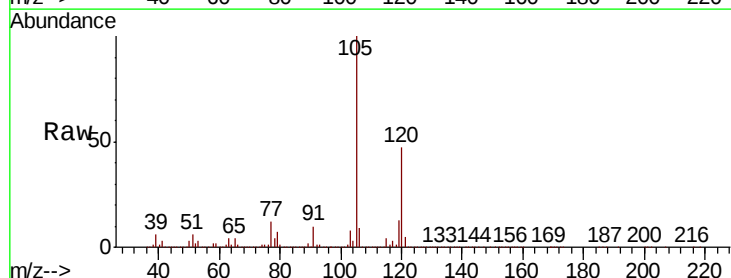
Acq: 05 Oct 2018 18:25

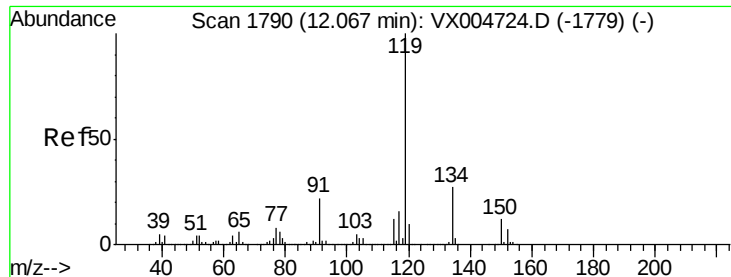
Tgt Ion: 105 Resp: 2945769

Ion Ratio Lower Upper

105 100

120 45.8 22.8 68.3





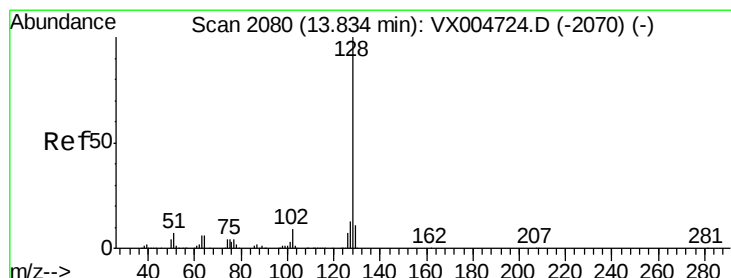
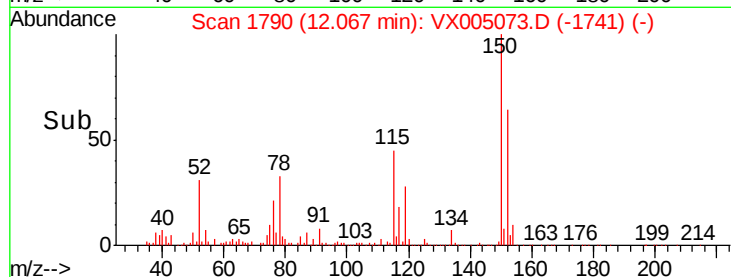
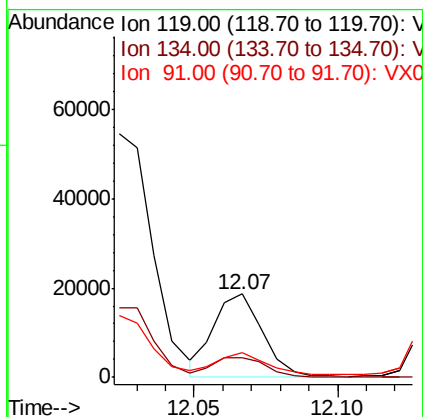
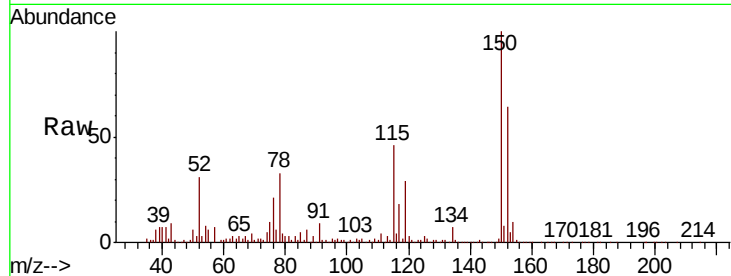
#86
p-Isopropyltoluene
Concen: 1.978 ug/l m
RT: 12.07 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VX005073.D
Acq: 05 Oct 2018 18:25

Instrument :
MSVOA_X
ClientSampleId :
N48719DL2

Tot Ion	Ratio	Lower	Upper
119	100		
134	89.4	13.4	40.1#
91	73.2	11.5	34.4#

Manual Integrations
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#95
Naphthalene
Concen: 109.186 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005073.D
Acq: 05 Oct 2018 18:25

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.0	8.7	13.1

