

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100418\
 Data File : VX005015.D
 Acq On : 04 Oct 2018 12:41
 Operator : JC/MD
 Sample : J5214-04DL 1000X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 N48719DL

Manual Integrations
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 10/5/2018 3:24:49 PM

Quant Time: Oct 05 13:25:17 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	243865	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	408369	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	398623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	231278	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	175819	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
35) Dibromofluoromethane	5.50	113	151716	43.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.68%	
50) Toluene-d8	8.72	98	577170	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
62) 4-Bromofluorobenzene	11.14	95	233553	56.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.68%	

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Target Compounds

						Qvalue
16) Acetone	2.45	43	112108	55.122	ug/l	93
25) 2-Butanone	4.70	43	130176	43.423	ug/l	100
39) Methylcyclohexane	7.46	83	10499	2.177	ug/l #	83
40) Benzene	6.14	78	30027	2.031	ug/l	95
42) 1,2-Dichloroethane	6.20	62	4032	0.772	ug/l	85
51) 4-Methyl-2-Pentanone	8.65	43	15467	2.715	ug/l	99
52) Toluene	8.79	92	179377	22.082	ug/l	97
59) 2-Hexanone	9.50	43	31495	6.635	ug/l	96
67) Ethyl Benzene	10.26	91	870433	53.636	ug/l	97
68) m/p-Xylenes	10.36	106	1960258	309.111	ug/l	97
69) o-Xylene	10.70	106	1033675	177.463	ug/l	99
73) Isopropylbenzene	11.02	105	174020	11.937	ug/l	99
78) n-propylbenzene	11.36	91	1001006	59.846	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1958374	146.957	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	7282242	530.407	ug/l	97
85) sec-Butylbenzene	11.94	105	81541m	5.578	ug/l	
86) p-Isopropyltoluene	12.02	119	164020	12.383	ug/l	98
95) Naphthalene	13.83	128	3405415	175.190	ug/l	100

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

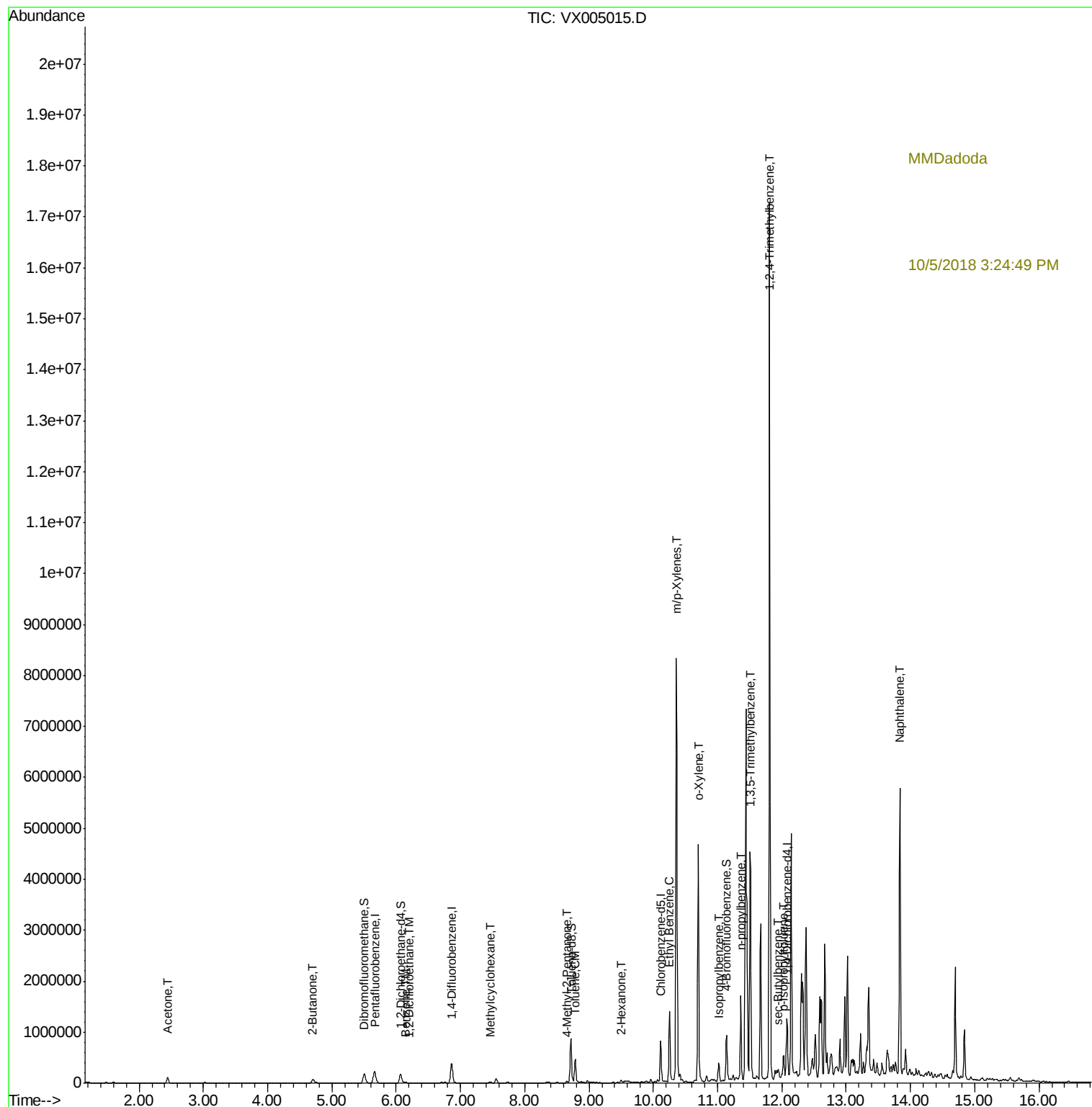
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100418\
Data File : VX005015.D
Acq On : 04 Oct 2018 12:41
Operator : JC/MD
Sample : J5214-04DL 1000X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 51 Sample Multiplier: 1

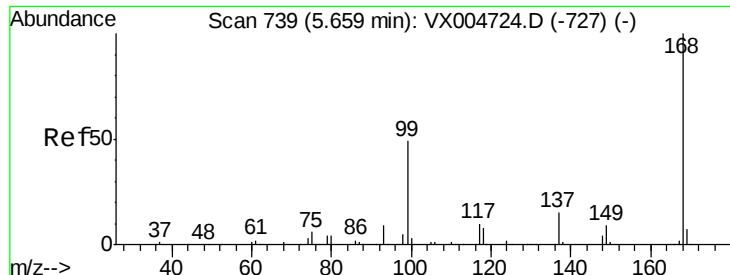
Instrument :
MSVOA_X
ClientSampleID :
N48719DL

Manual Integrations
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Quant Time: Oct 05 13:25:17 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: VX005015.D

Acq: 04 Oct 2018 12:41

Instrument :

MSVOA_X

ClientSampleId :

N48719DL

Tot Ion:168 Resp: 243865

Ion Ratio Lower Upper

168 100

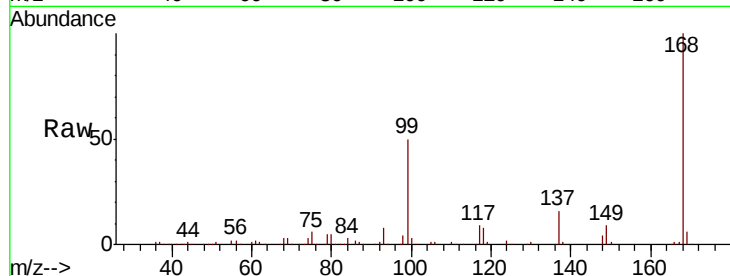
99 50.1 39.3 58.9

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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

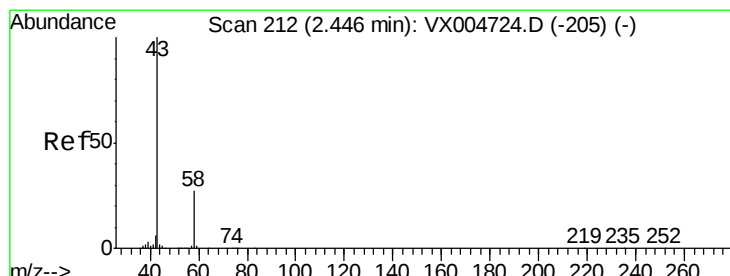
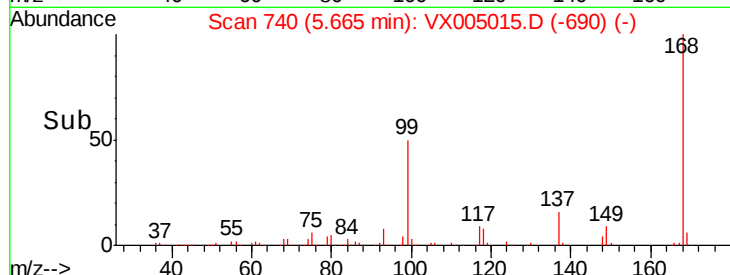
5.60

5.70

5.80

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#16

Acetone

Concen: 55.122 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005015.D

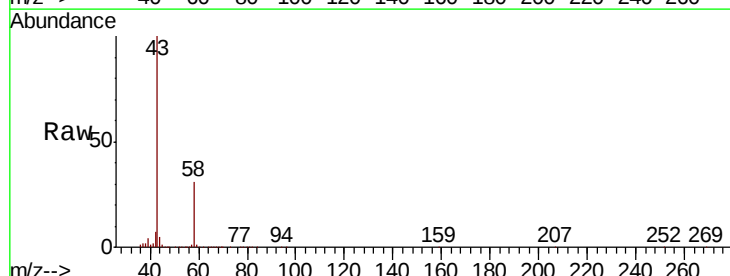
Acq: 04 Oct 2018 12:41

Tgt Ion: 43 Resp: 112108

Ion Ratio Lower Upper

43 100

58 30.9 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

80000

60000

40000

20000

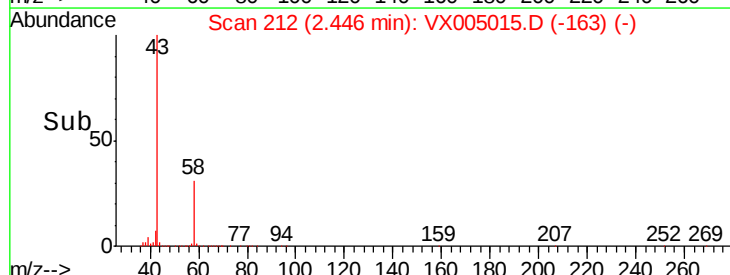
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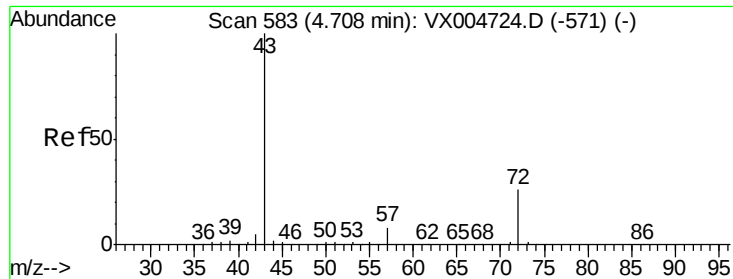
Time-->

2.40

2.50

2.60





#25

2-Butanone

Concen: 43.423 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005015.D

Acq: 04 Oct 2018 12:41

Instrument :

MSVOA_X

ClientSampleId :

N48719DL

Tot Ion: 43 Resp: 130176

Ion Ratio Lower Upper

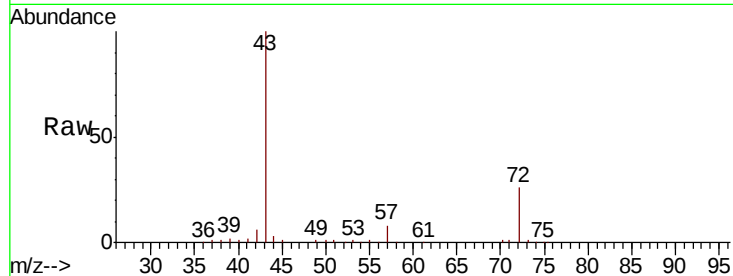
43 100

72 26.0 20.8 31.2

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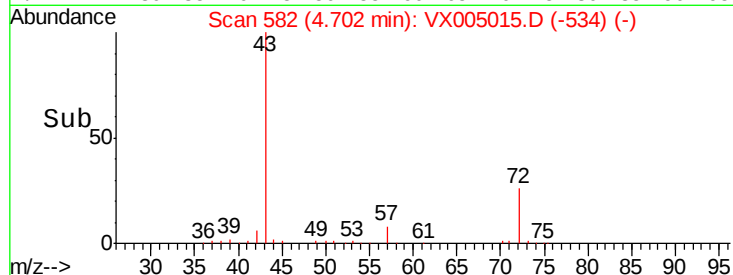
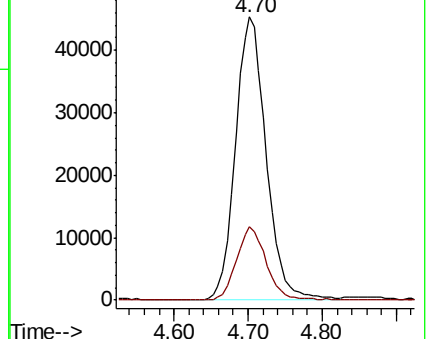
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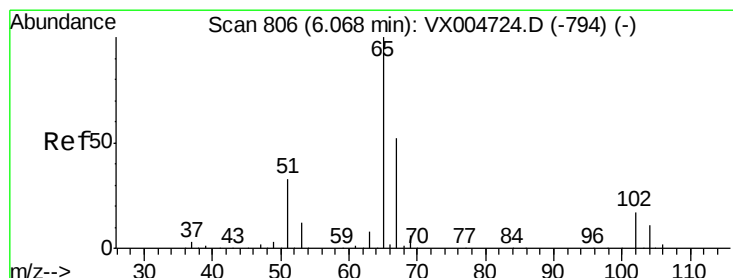
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



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#33

1,2-Dichloroethane-d4

Concen: 50.470 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005015.D

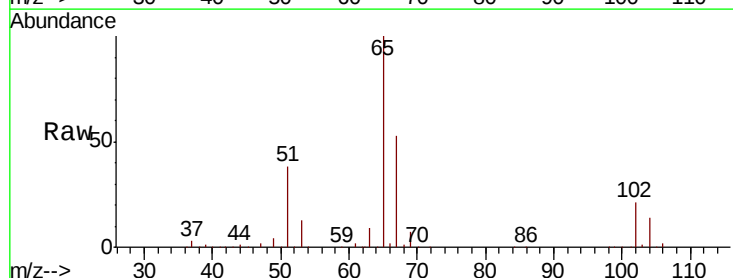
Acq: 04 Oct 2018 12:41

Tgt Ion: 65 Resp: 175819

Ion Ratio Lower Upper

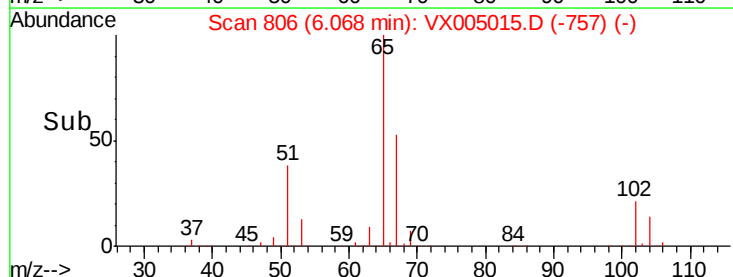
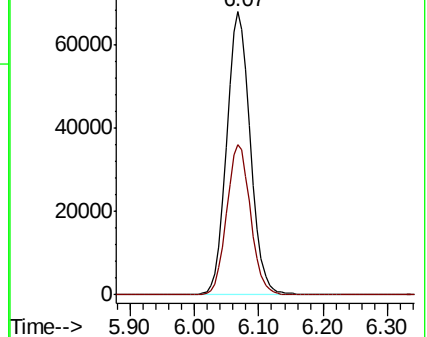
65 100

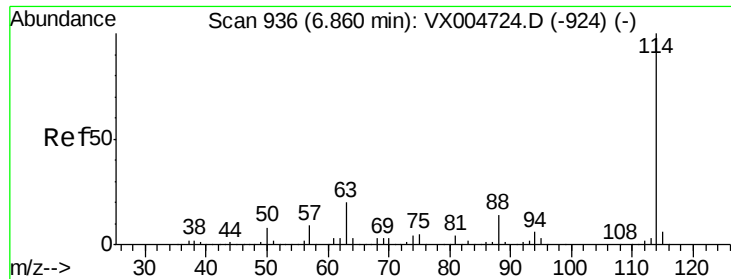
67 53.5 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





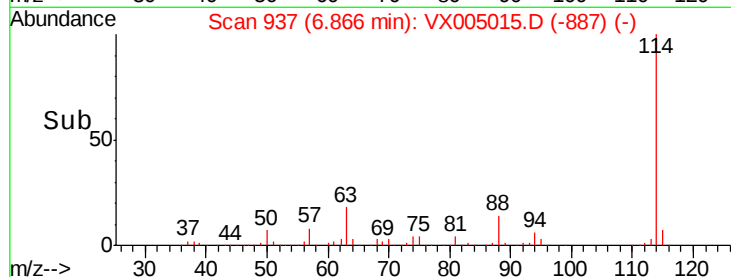
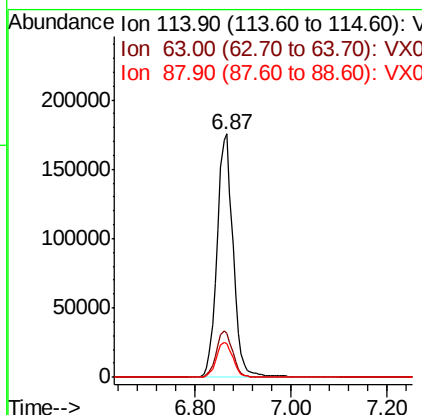
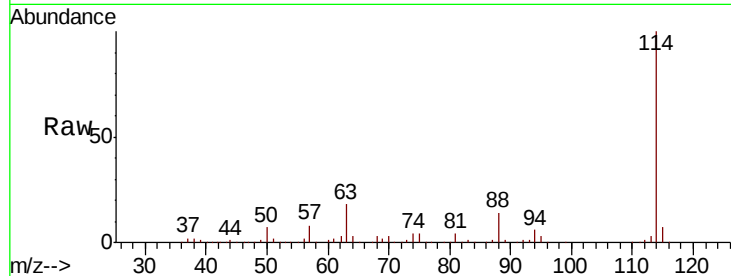
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.87 min Scan# 937
Delta R.T. 0.01 min
Lab File: VX005015.D
Acq: 04 Oct 2018 12:41

Instrument :
MSVOA_X
ClientSampled :
N48719DL

Tot Ion	Ratio	Resp	Lower	Upper
114	100	408369		
63	18.2	0.0	39.8	
88	13.7	0.0	27.0	

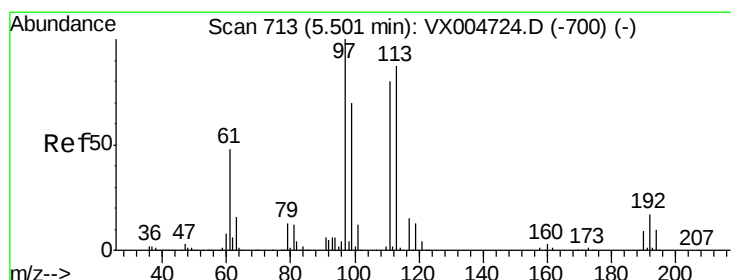
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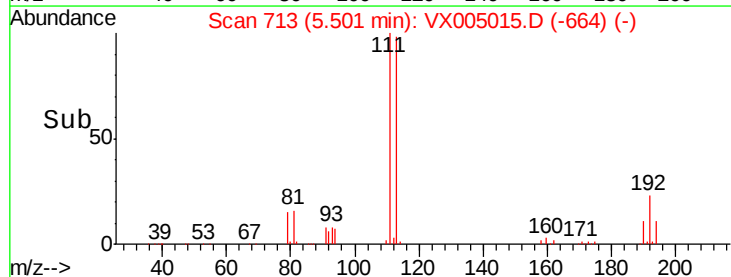
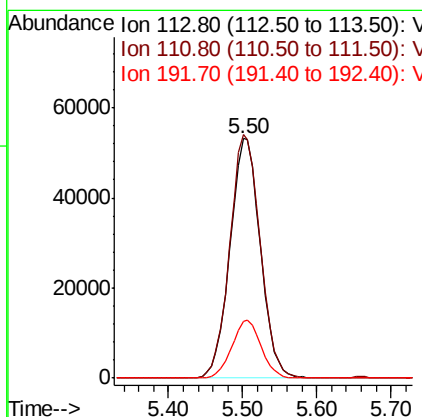
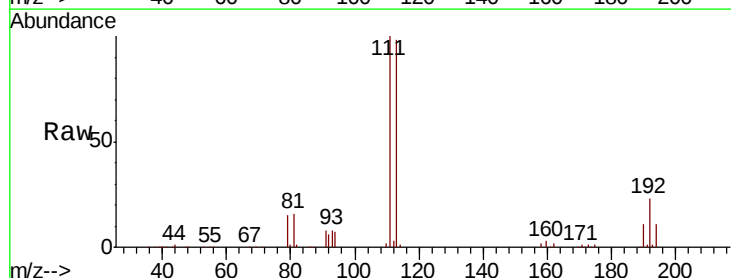
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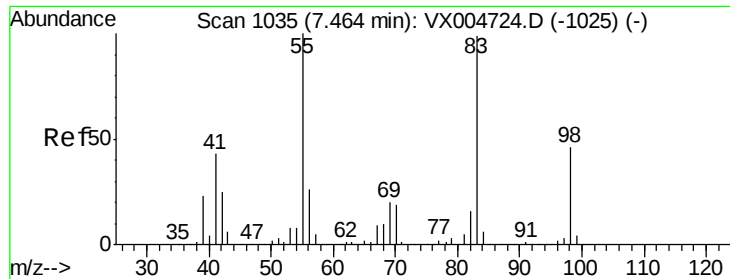
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#35
Dibromofluoromethane
Concen: 43.836 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX005015.D
Acq: 04 Oct 2018 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	151716		
111	102.2	77.0	115.4	
192	23.6	17.0	25.6	





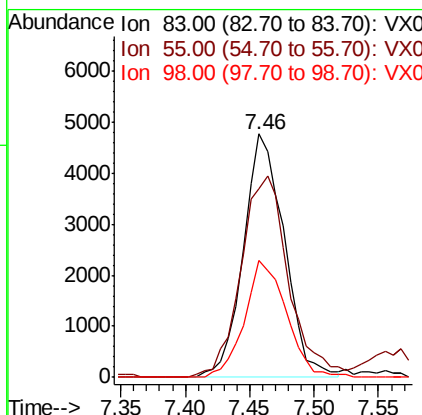
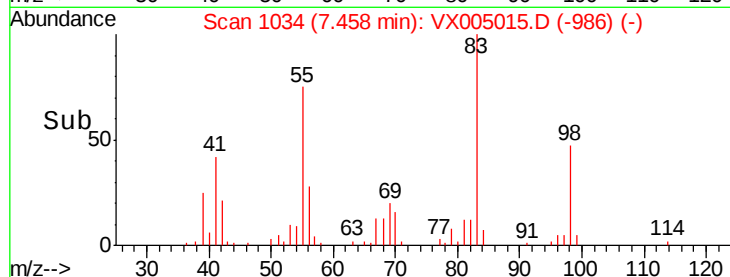
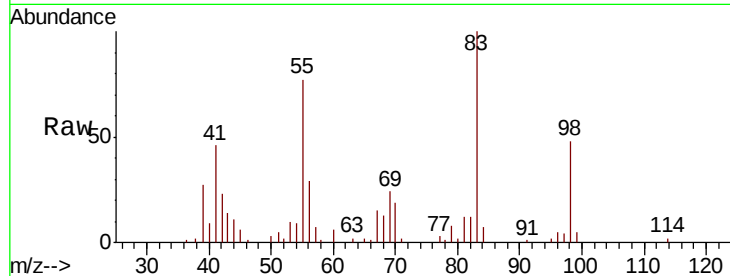
#39
Methvlcvclohexane
Concen: 2.177 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX005015.D
Acq: 04 Oct 2018 12:41

Instrument :
MSVOA_X
ClientSampleId :
N48719DL

Tot Ion	83	Resp	10499
Ion Ratio	Lower	Upper	
83	100		
55	77.3	81.1	121.7#
98	48.2	37.3	55.9

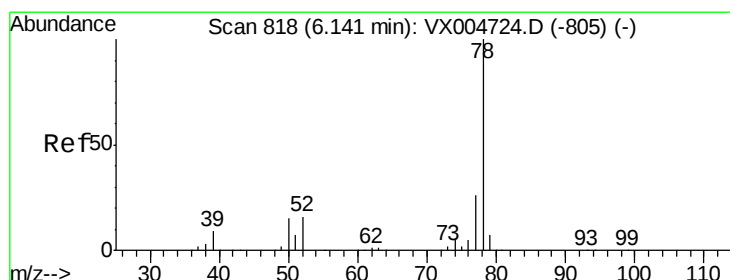
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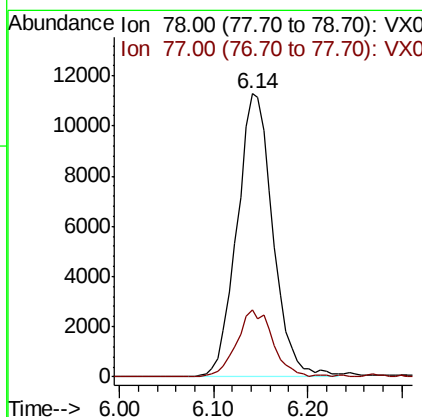
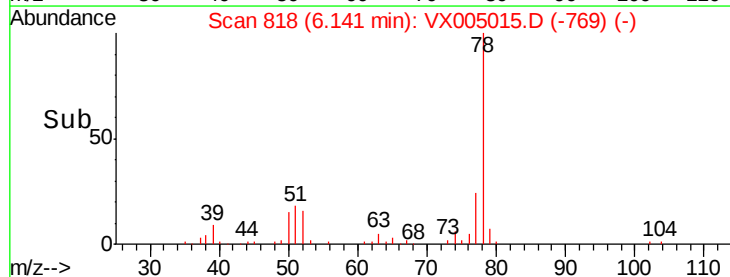
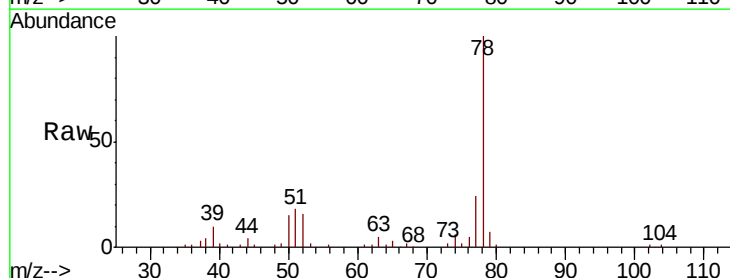
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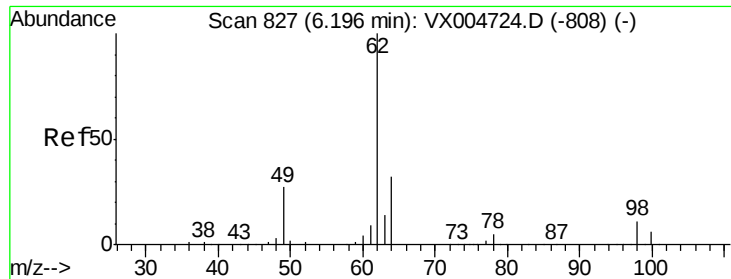
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#40
Benzene
Concen: 2.031 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX005015.D
Acq: 04 Oct 2018 12:41

Tgt Ion	78	Resp	30027
Ion Ratio	Lower	Upper	
78	100		
77	23.8	21.0	31.4





#42

1,2-Dichloroethane

Concen: 0.772 ug/l

RT: 6.20 min Scan# 828

Delta R.T. 0.01 min

Lab File: VX005015.D

Acq: 04 Oct 2018 12:41

Instrument :

MSVOA_X

ClientSampled :

N48719DL

Tot Ion: 62 Resp: 4032

Ion Ratio Lower Upper

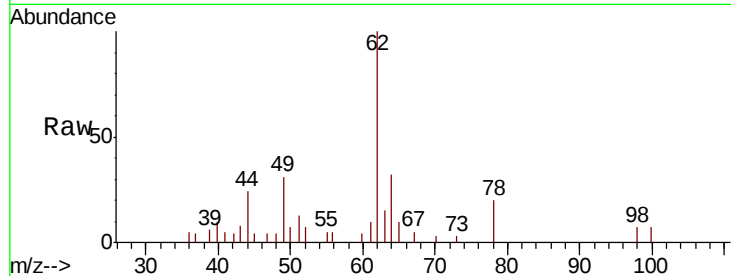
62 100

98 4.5 0.0 20.2

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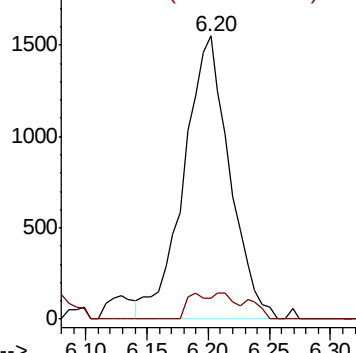
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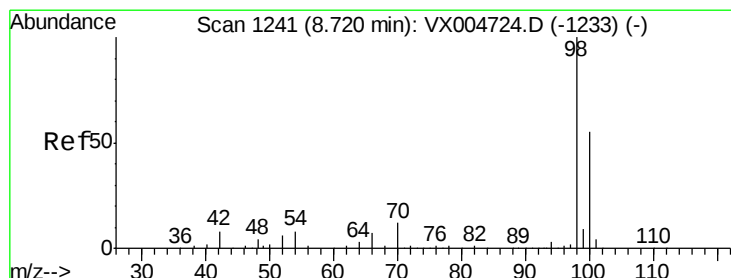
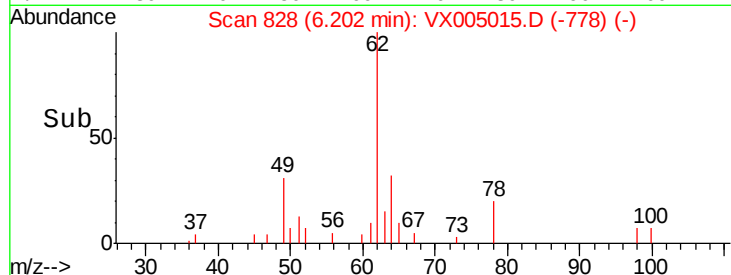
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



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#50

Toluene-d8

Concen: 50.163 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX005015.D

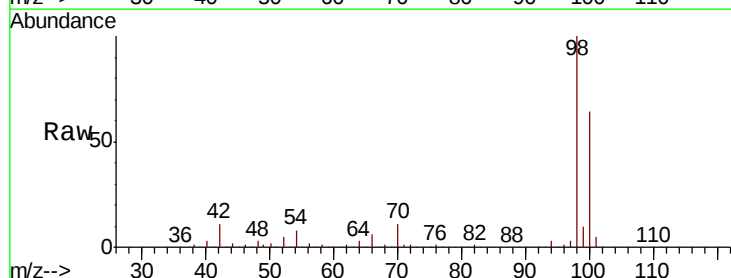
Acq: 04 Oct 2018 12:41

Tgt Ion: 98 Resp: 577170

Ion Ratio Lower Upper

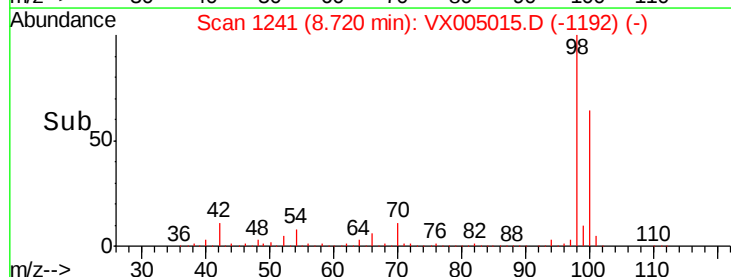
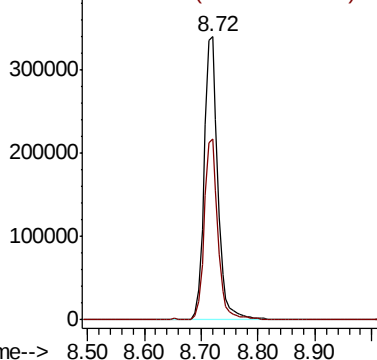
98 100

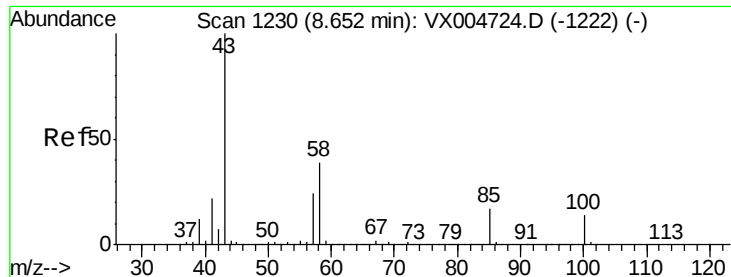
100 63.3 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 2.715 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VX005015.D

Acq: 04 Oct 2018 12:41

Instrument :

MSVOA_X

ClientSampled :

N48719DL

Tot Ion: 43 Resp: 15467

Ion Ratio Lower Upper

43 100

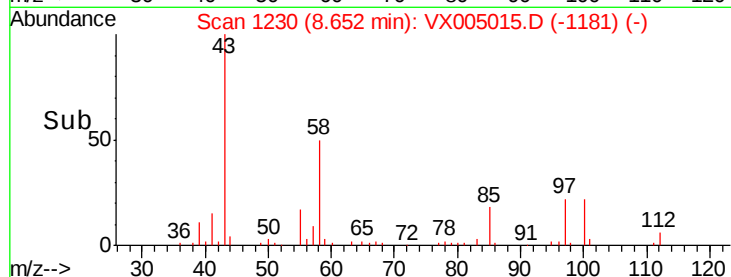
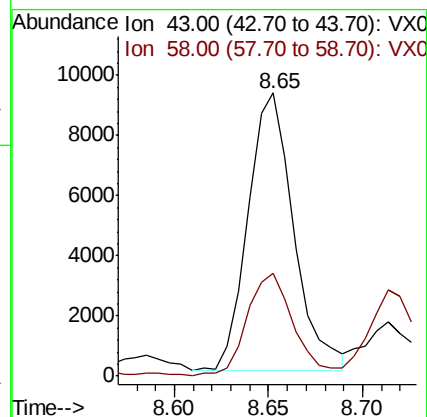
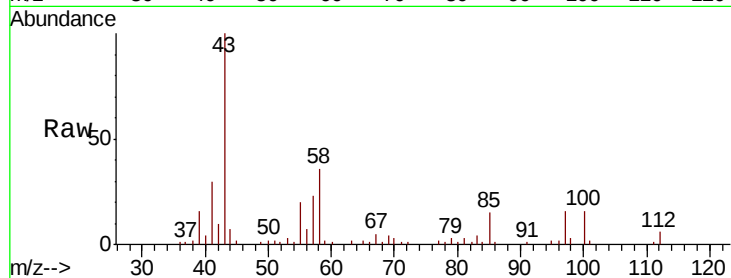
58 37.6 30.5 45.7

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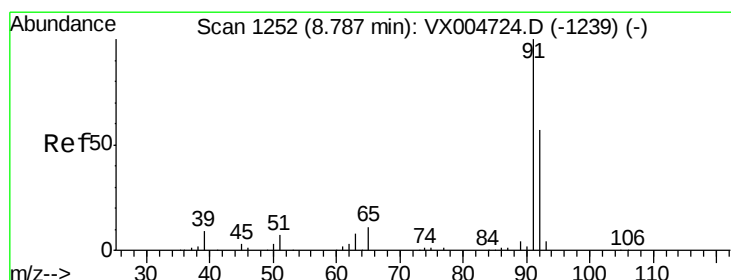
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10/5/2018 3:24:49 PM



#52

Toluene

Concen: 22.082 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005015.D

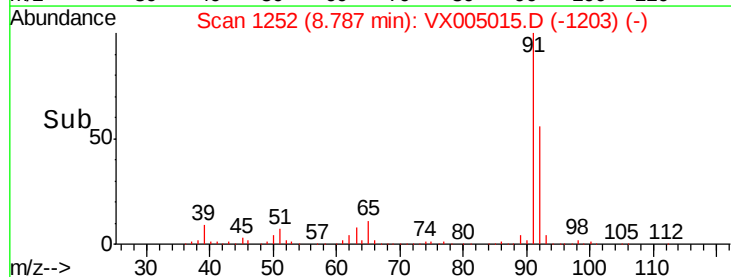
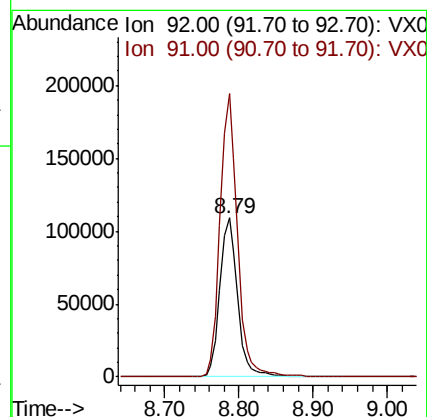
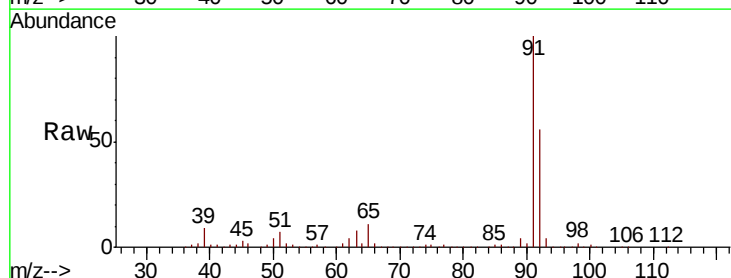
Acq: 04 Oct 2018 12:41

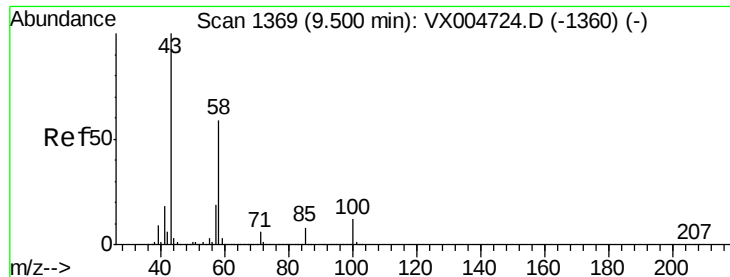
Tgt Ion: 92 Resp: 179377

Ion Ratio Lower Upper

92 100

91 175.1 136.7 205.1





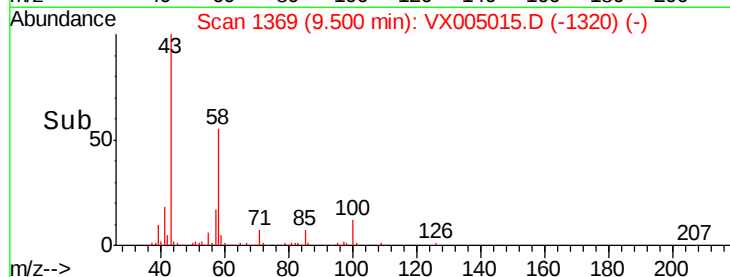
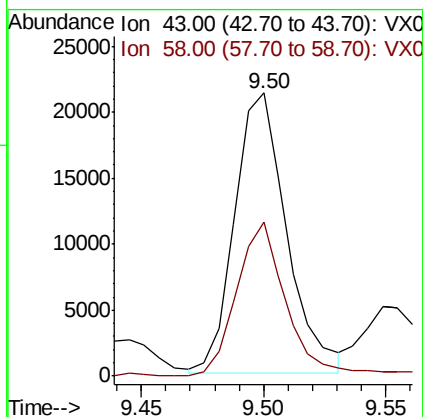
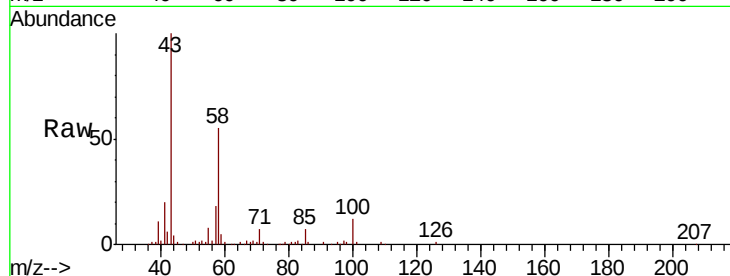
#59
2-Hexanone
Concen: 6.635 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005015.D
Acq: 04 Oct 2018 12:41

Instrument :
MSVOA_X
ClientSampleId :
N48719DL

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.9	28.4	85.3

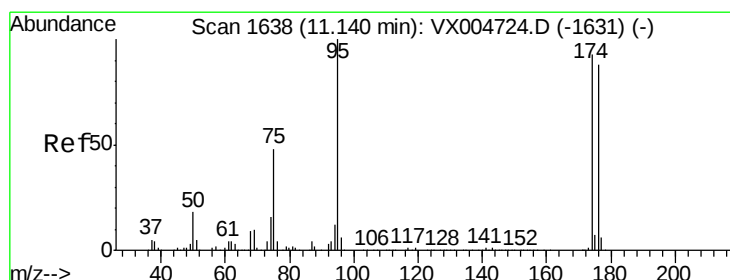
Manual Integrations
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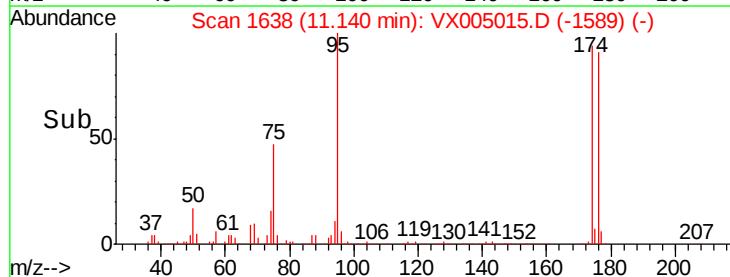
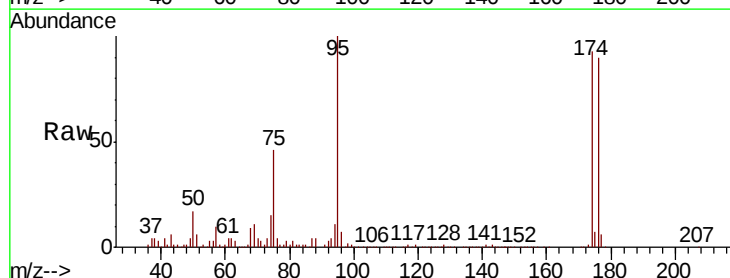
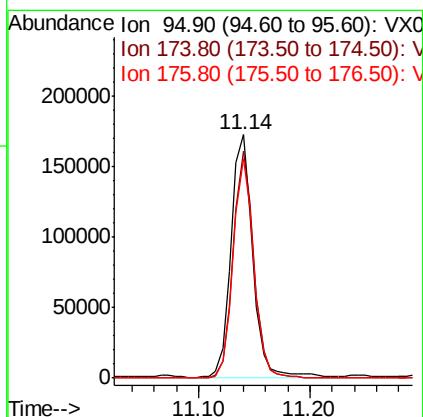
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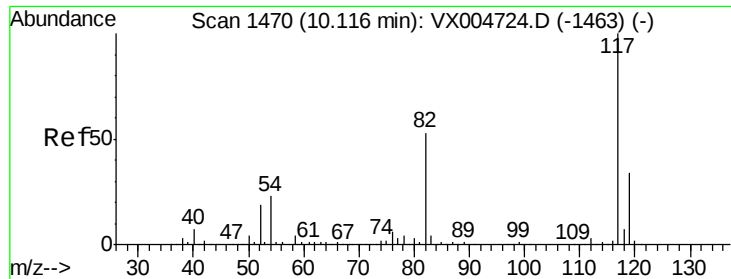
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#62
4-Bromofluorobenzene
Concen: 56.344 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005015.D
Acq: 04 Oct 2018 12:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.1	0.0	185.0
176	85.6	0.0	180.2





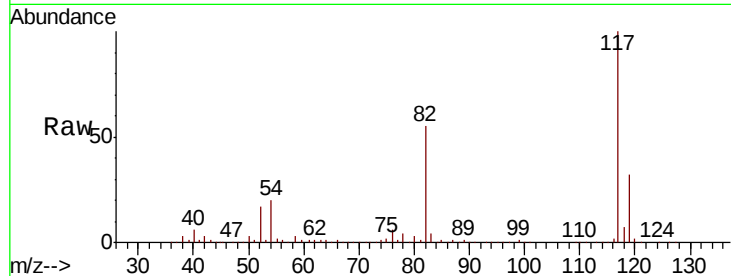
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005015.D
Acq: 04 Oct 2018 12:41

Instrument :
MSVOA_X
ClientSampleID :
N48719DL

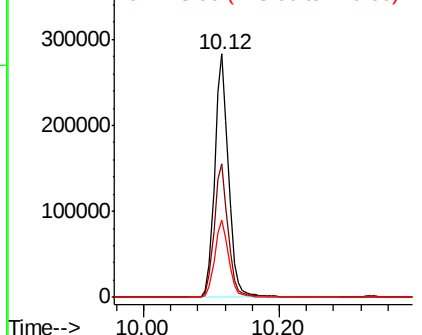
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	42.2	63.4
119	31.6	27.4	41.0

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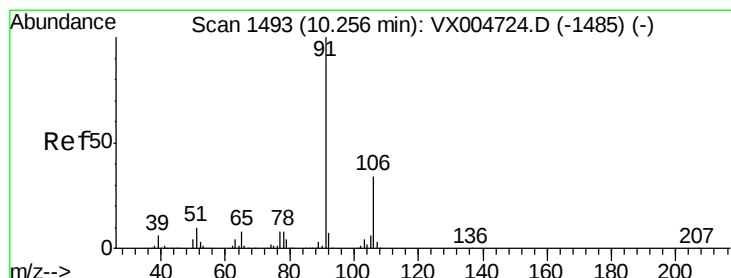
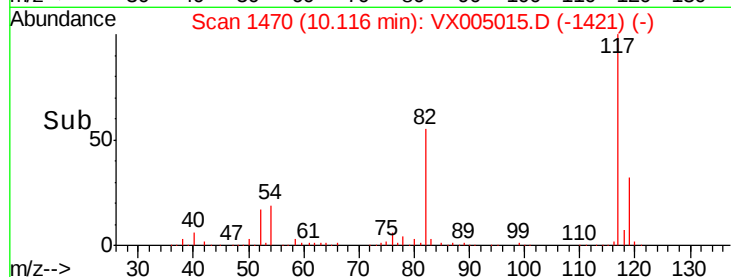


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V



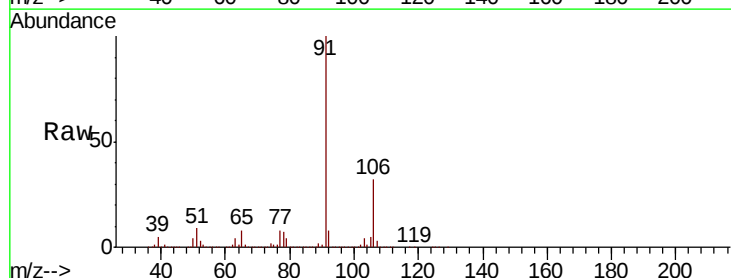
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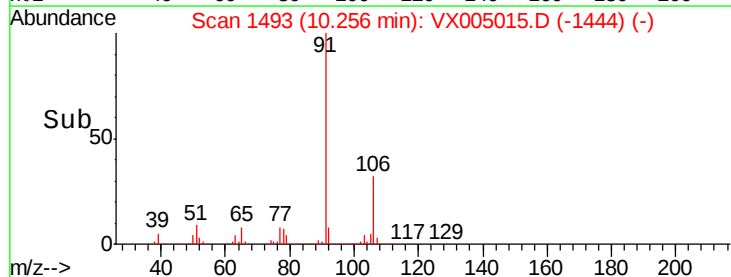
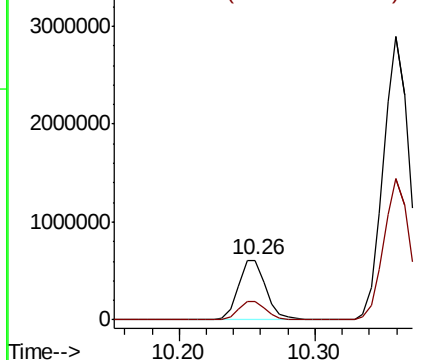


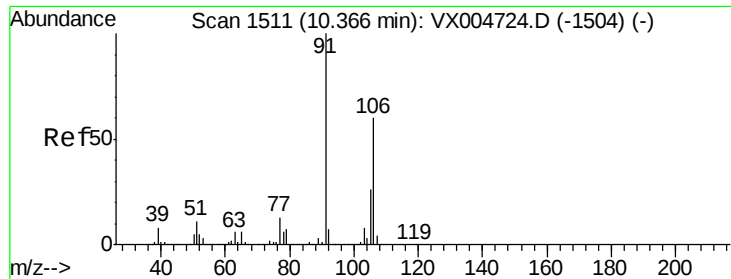
#67
Ethyl Benzene
Concen: 53.636 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX005015.D
Acq: 04 Oct 2018 12:41

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.9	26.9	40.3



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V





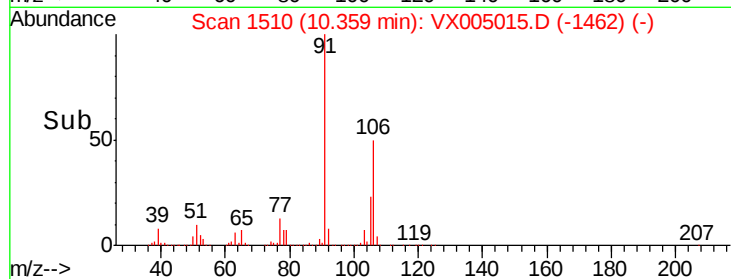
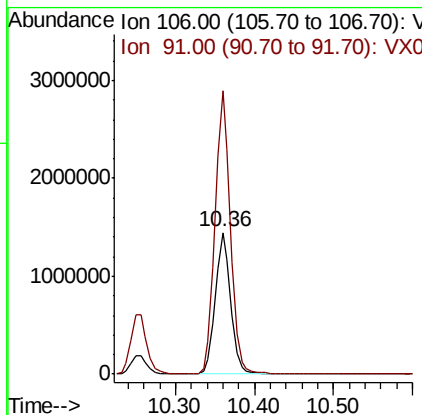
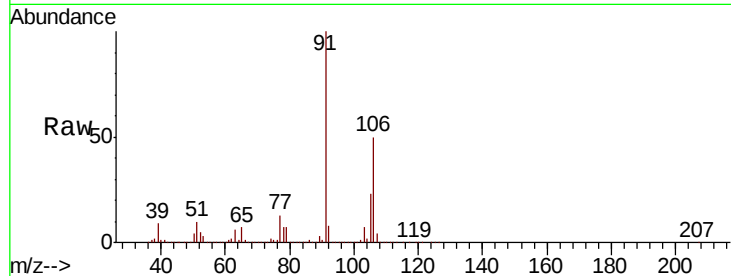
#68
m/p-Xvlenes
Concen: 309.111 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX005015.D
Acq: 04 Oct 2018 12:41

Instrument :
MSVOA_X
ClientSampleId :
N48719DL

Tot Ion:106 Resp: 1960258
Ion Ratio Lower Upper
106 100
91 201.1 157.5 236.3

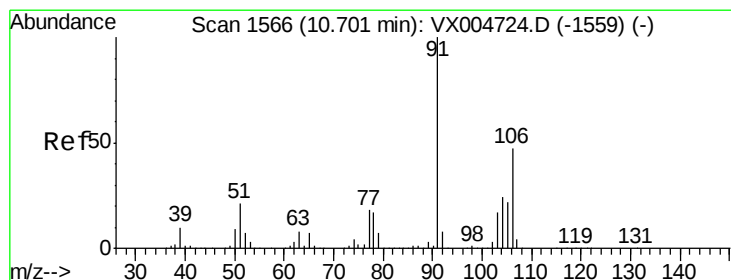
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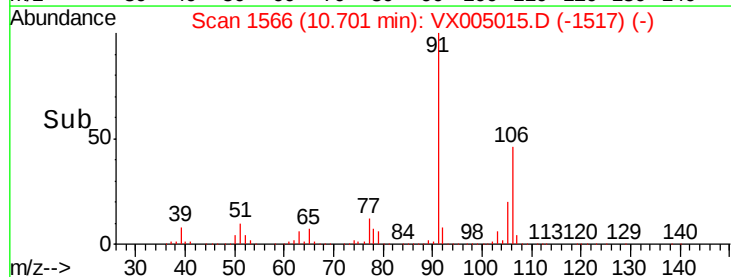
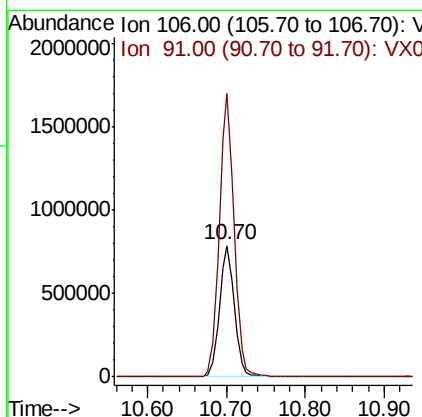
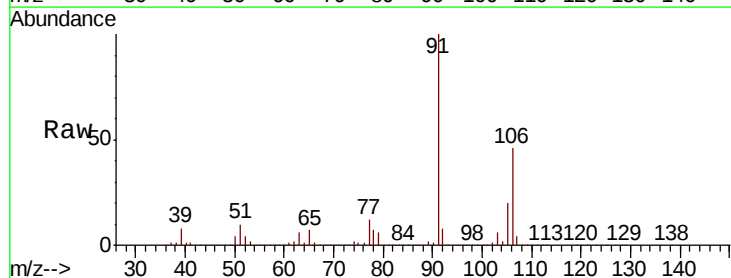
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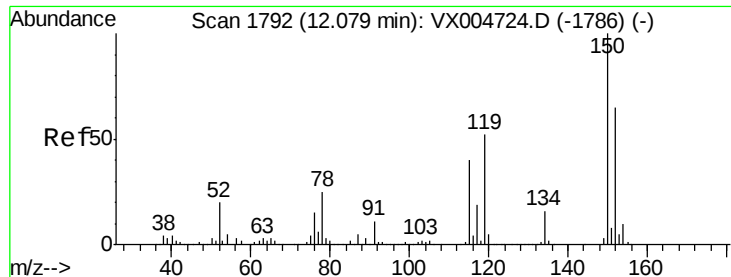
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#69
o-Xylene
Concen: 177.463 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005015.D
Acq: 04 Oct 2018 12:41

Tgt Ion:106 Resp: 1033675
Ion Ratio Lower Upper
106 100
91 214.9 108.3 324.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005015.D

Acq: 04 Oct 2018 12:41

Instrument :

MSVOA_X

ClientSampleID :

N48719DL

Tot Ion:152 Resp: 231278

Ion Ratio Lower Upper

152 100

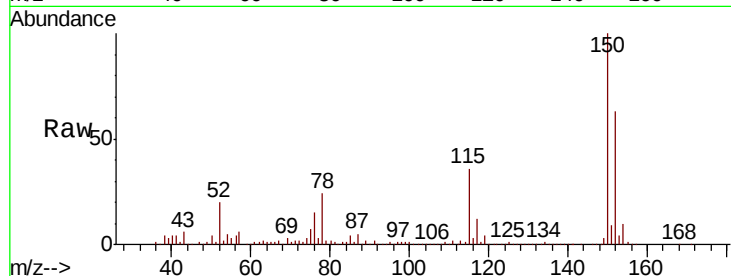
115 57.7 40.2 120.6

150 155.8 0.0 351.0

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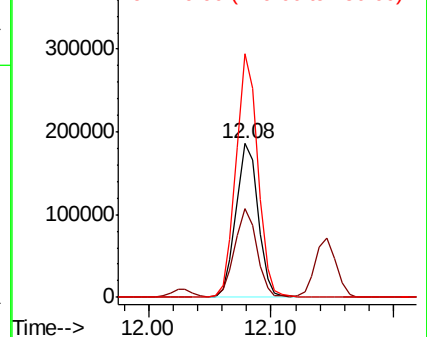
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Abundance Ion 151.90 (151.60 to 152.60): V

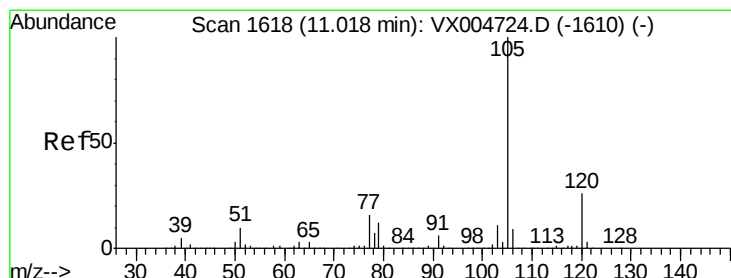
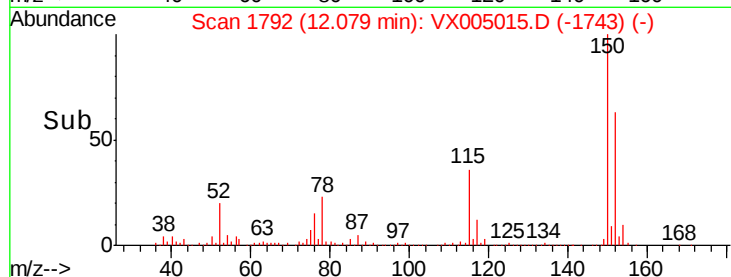
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



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#73

Isopropylbenzene

Concen: 11.937 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005015.D

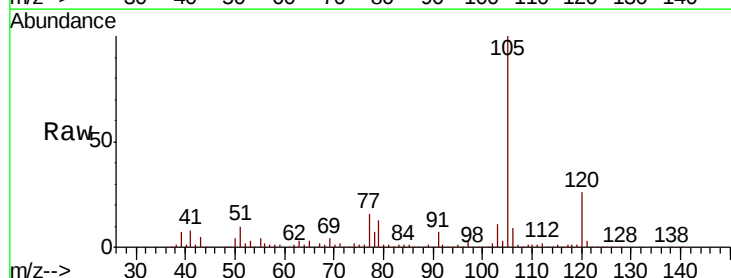
Acq: 04 Oct 2018 12:41

Tgt Ion:105 Resp: 174020

Ion Ratio Lower Upper

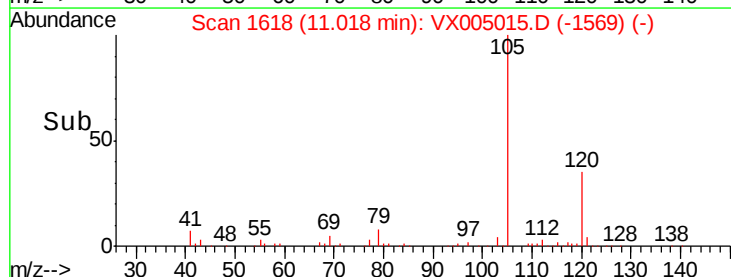
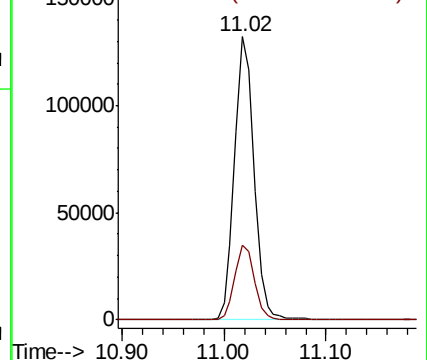
105 100

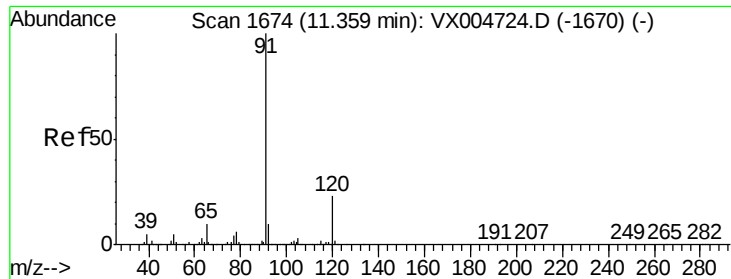
120 26.8 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 59.846 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005015.D

Acq: 04 Oct 2018 12:41

Instrument :

MSVOA_X

ClientSampled :

N48719DL

Tot Ion: 91 Resp: 1001006

Ion Ratio Lower Upper

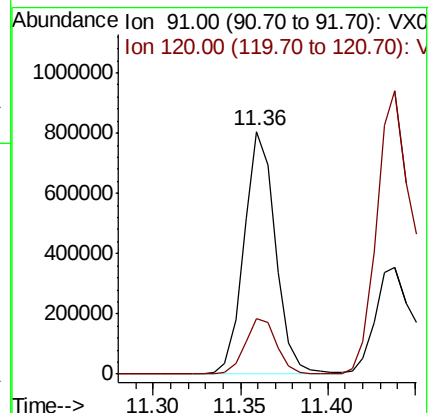
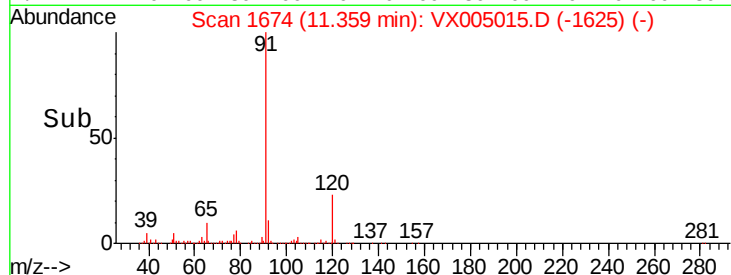
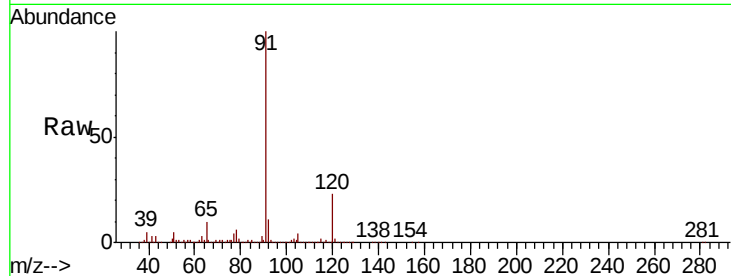
91 100

120 23.3 12.0 36.0

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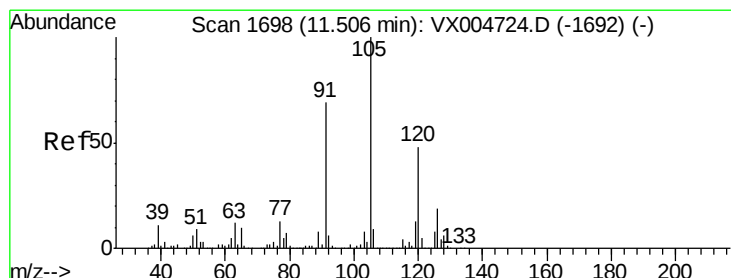
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#80

1,3,5-Trimethylbenzene

Concen: 146.957 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005015.D

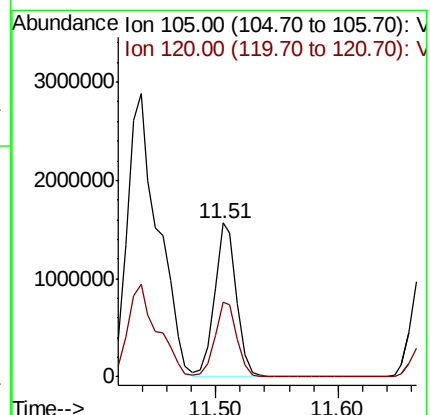
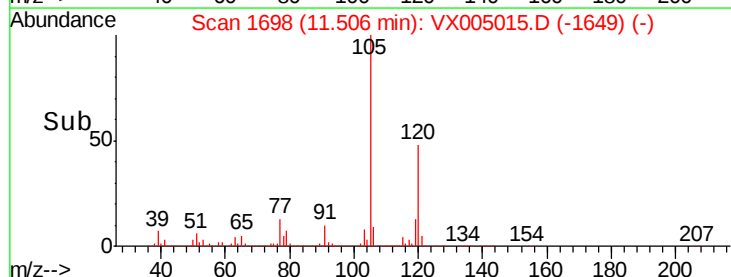
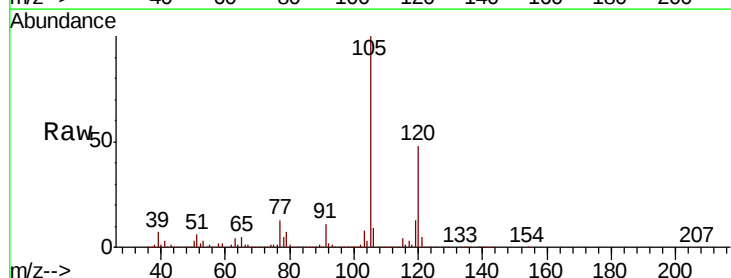
Acq: 04 Oct 2018 12:41

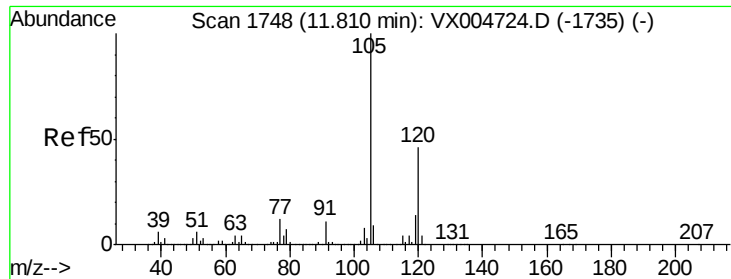
Tgt Ion: 105 Resp: 1958374

Ion Ratio Lower Upper

105 100

120 49.1 24.3 72.8





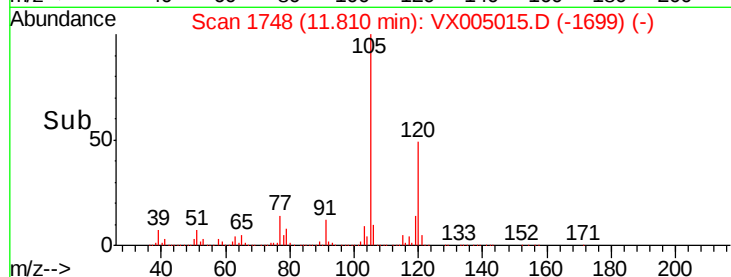
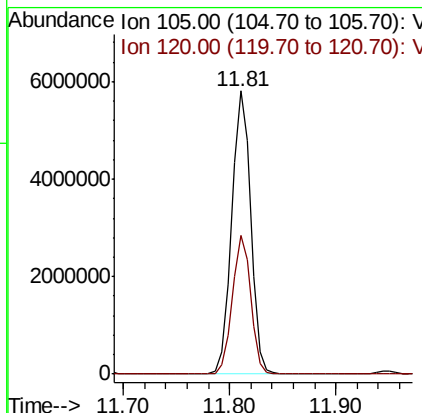
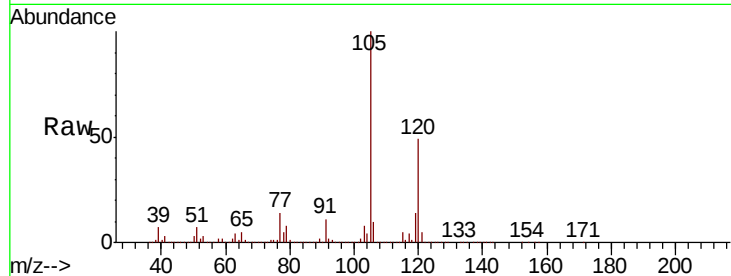
#84
1,2,4-Trimethylbenzene
Concen: 530.407 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VX005015.D
Acq: 04 Oct 2018 12:41

Instrument :
MSVOA_X
ClientSampleId :
N48719DL

Tot Ion:105 Resp: 7282242
Ion Ratio Lower Upper
105 100
120 47.7 22.8 68.3

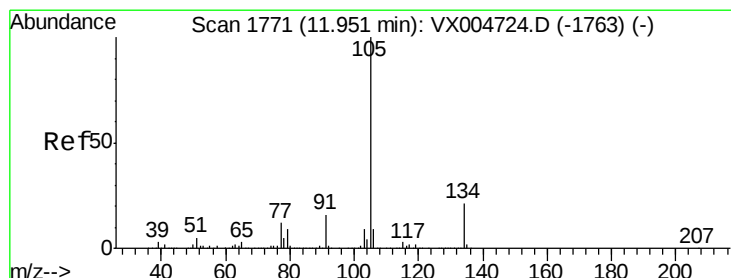
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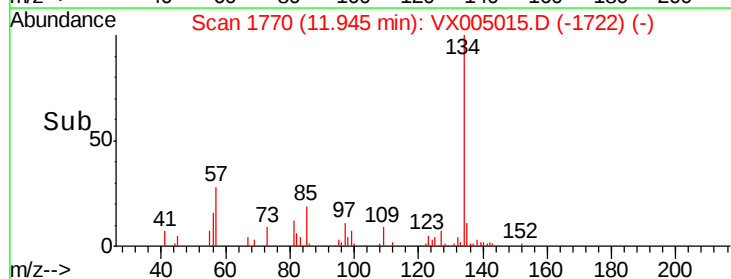
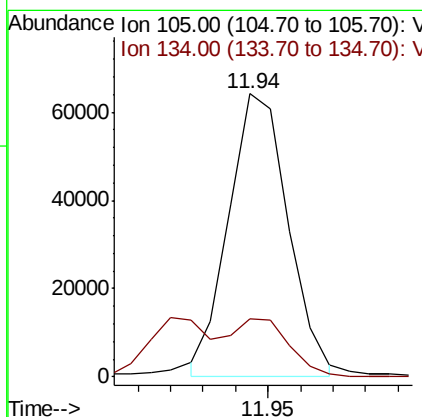
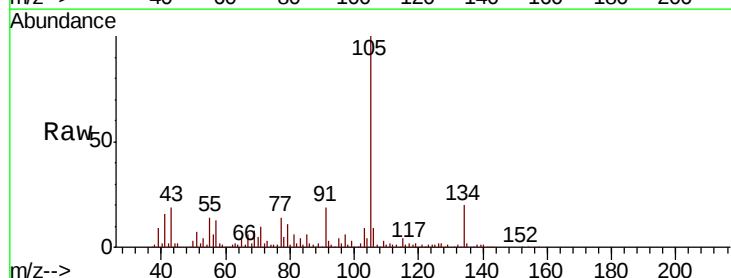
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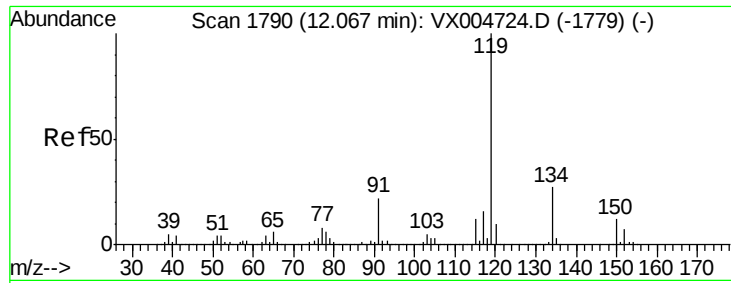
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#85
sec-Butylbenzene
Concen: 5.578 ug/l m
RT: 11.94 min Scan# 1770
Delta R.T. -0.01 min
Lab File: VX005015.D
Acq: 04 Oct 2018 12:41

Tgt Ion:105 Resp: 81541
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.4#





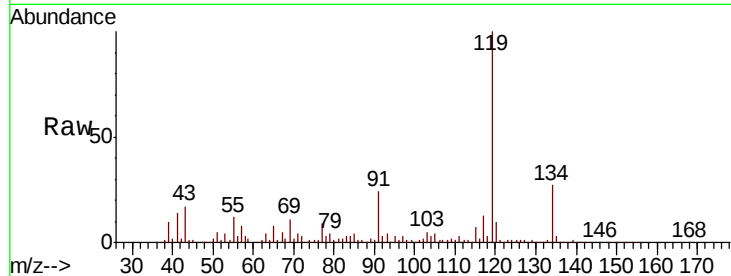
#86
p-Isopropyltoluene
Concen: 12.383 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. -0.04 min
Lab File: VX005015.D
Acq: 04 Oct 2018 12:41

Instrument :
MSVOA_X
ClientSampleId :
N48719DL

Tot Ion	Ratio	Resp	Lower	Upper
119	100	164020		
134	27.9	13.4	40.1	
91	23.6	11.5	34.4	

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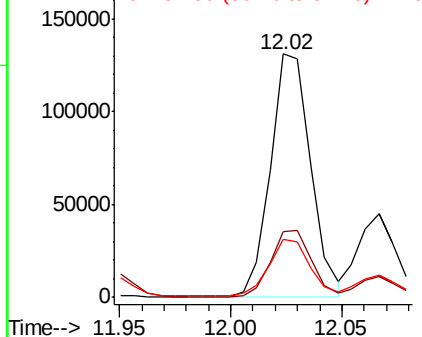


Abundance

Ion 119.00 (118.70 to 119.70): V

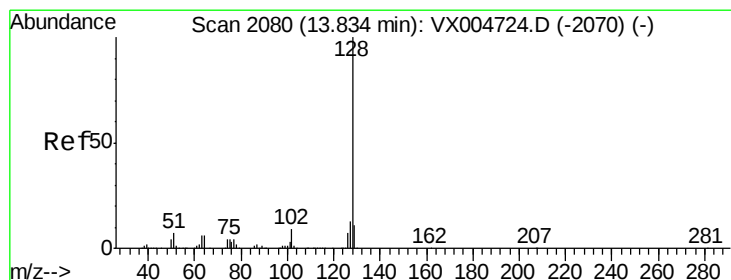
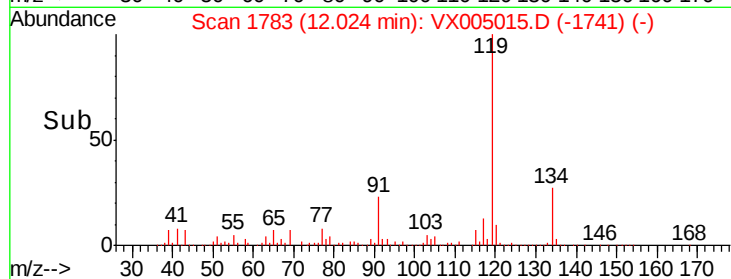
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



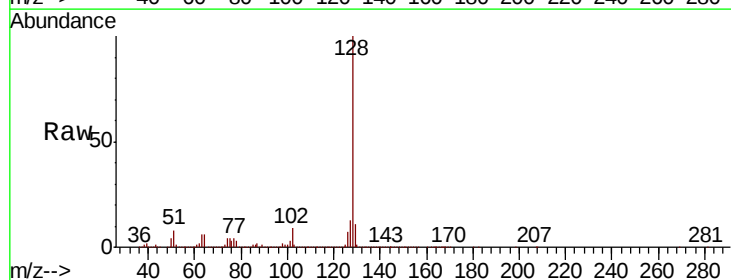
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#95
Naphthalene
Concen: 175.190 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005015.D
Acq: 04 Oct 2018 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	3405415		
127	13.0	10.4	15.6	
129	11.1	8.7	13.1	



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

