

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\
 Data File : VX002636.D
 Acq On : 16 Jun 2018 09:50
 Operator : JC/MD
 Sample : J3449-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 W-50

Manual Integrations
 APPROVED

MMDadoda
 6/18/2018 5:12:06 PM

Quant Time: Jun 18 08:35:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	221468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	316972	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	300320	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	177329	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	147699	43.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.78%	
35) Dibromofluoromethane	5.51	113	114742	45.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.72%	
50) Toluene-d8	8.72	98	458713	47.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.52%	
62) 4-Bromofluorobenzene	11.14	95	167817	46.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.22%	
Target Compounds						
25) 2-Butanone	4.70	43	3530	1.81	ug/l	97
31) Cyclohexane	5.58	56	171056	43.06	ug/l	93
39) Methylcyclohexane	7.46	83	78657	19.99	ug/l	92
52) Toluene	8.79	92	90730	14.09	ug/l	99
67) Ethyl Benzene	10.26	91	60005	4.82	ug/l	100
68) m/p-Xylenes	10.37	106	149967	31.25	ug/l	97
69) o-Xylene	10.70	106	17113	3.63	ug/l	96
73) Isopropylbenzene	11.02	105	187654	15.82	ug/l	99
78) n-propylbenzene	11.37	91	747242	54.94	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	30758	3.07	ug/l	99
83) tert-Butylbenzene	11.77	119	4998	0.52	ug/l	91
84) 1,2,4-Trimethylbenzene	11.81	105	55925	5.47	ug/l	95
85) sec-Butylbenzene	11.95	105	121592	10.13	ug/l	94
89) n-Butylbenzene	12.39	91	73428m	7.66	ug/l	
95) Naphthalene	13.84	128	369993	31.06	ug/l	98

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

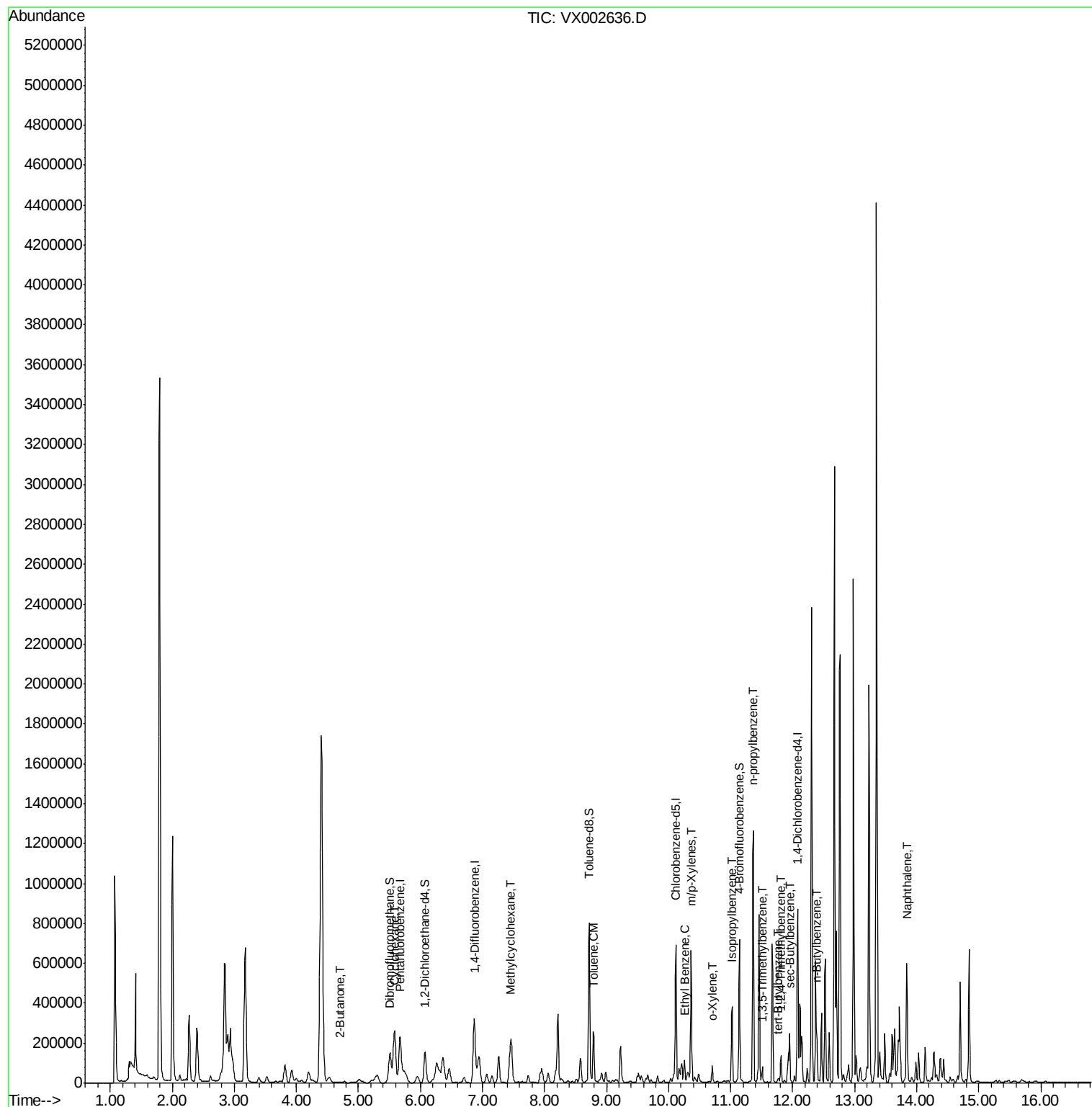
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061518\
Data File : VX002636.D
Acq On : 16 Jun 2018 09:50
Operator : JC/MD
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ALS Vial : 47 Sample Multiplier: 1

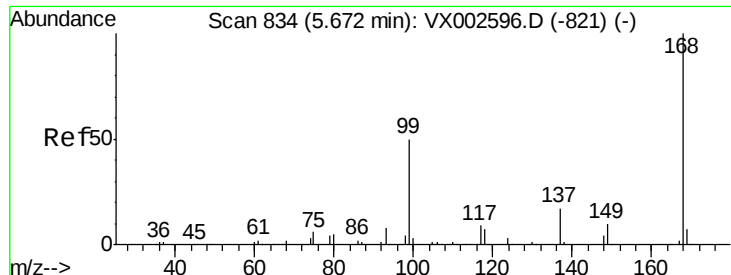
Instrument :
MSVOA_X
ClientSampleId :
W-50

Manual Integrations
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6/18/2018 5:12:06 PM

Quant Time: Jun 18 08:35:24 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:37:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX002636.D

Acq: 16 Jun 2018 09:50

Instrument :

MSVOA_X

ClientSampled :

W-50

Tot Ion:168 Resp: 221468

Ion Ratio Lower Upper

168 100

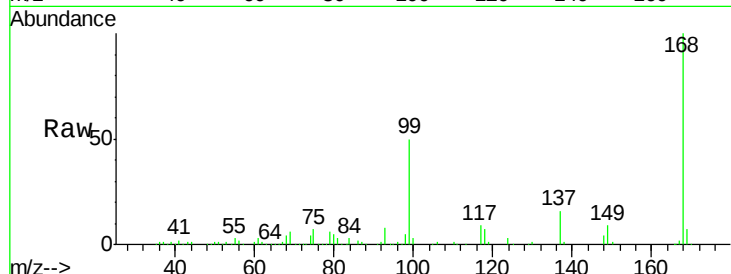
99 50.2 39.3 58.9

Manual Integrations

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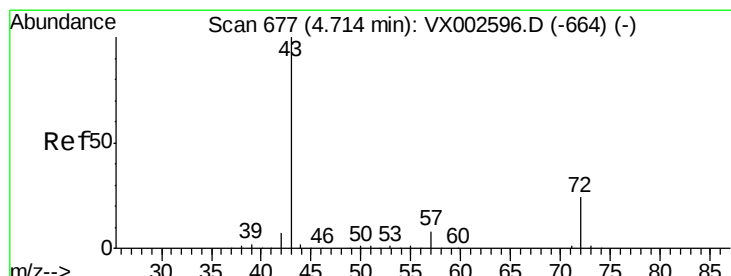
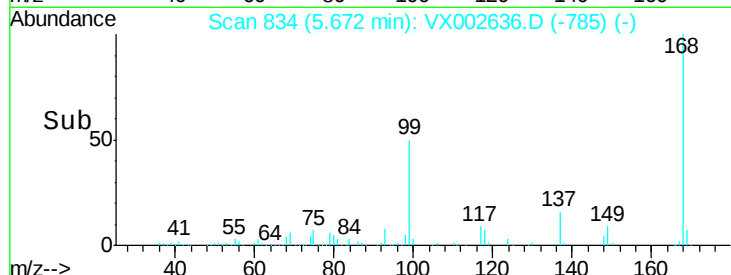
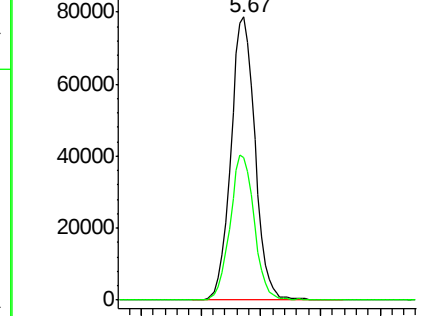
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#25

2-Butanone

Concen: 1.81 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.01 min

Lab File: VX002636.D

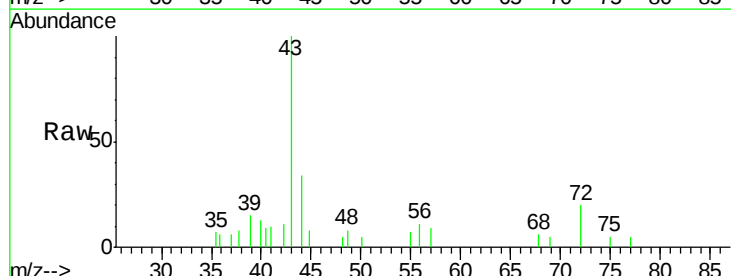
Acq: 16 Jun 2018 09:50

Tgt Ion: 43 Resp: 3530

Ion Ratio Lower Upper

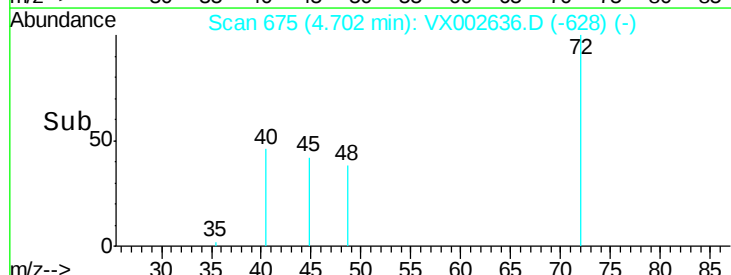
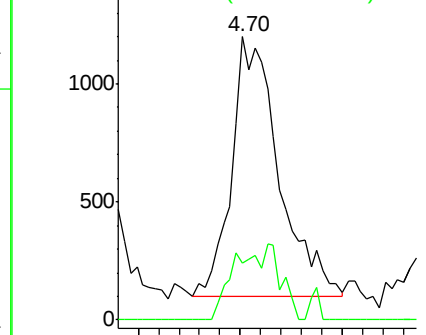
43 100

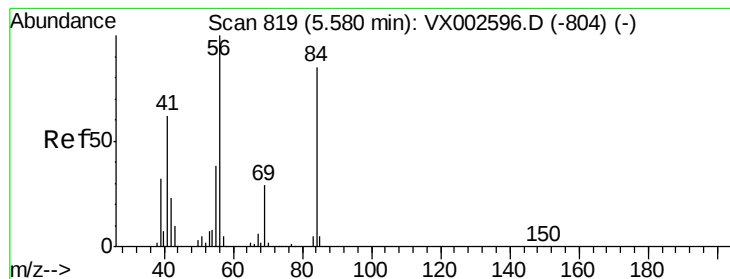
72 21.7 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#31

Cyclohexane

Concen: 43.06 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX002636.D

Acq: 16 Jun 2018 09:50

Instrument :

MSVOA_X

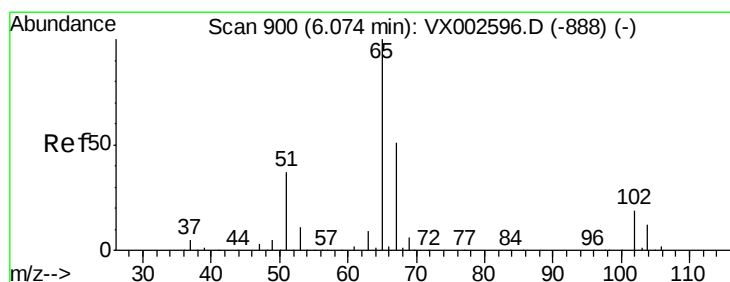
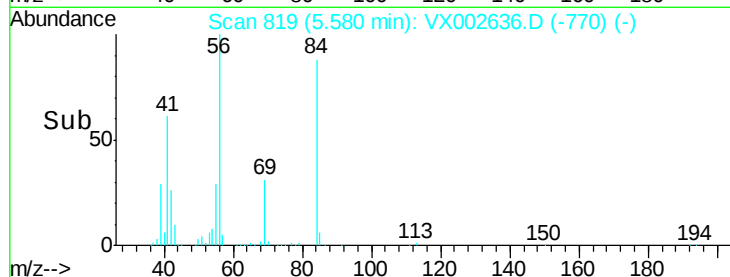
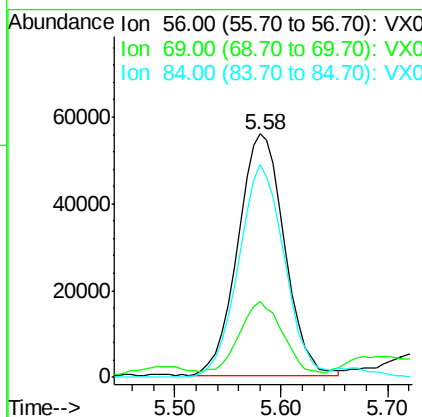
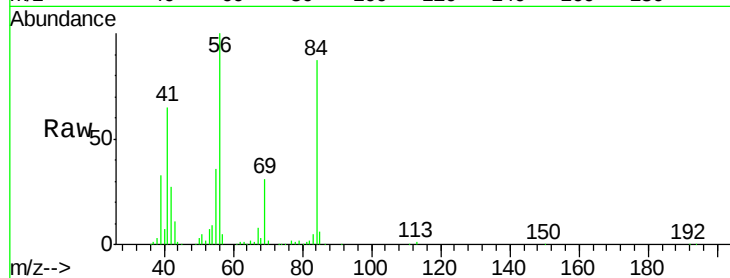
ClientSampleId :

W-50

Tot Ion:	56	Resp:	171056
Ion	Ratio	Lower	Upper
56	100		
69	28.7	23.7	35.5
84	87.7	64.1	96.1

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#33

1,2-Dichloroethane-d4

Concen: 43.89 ug/l

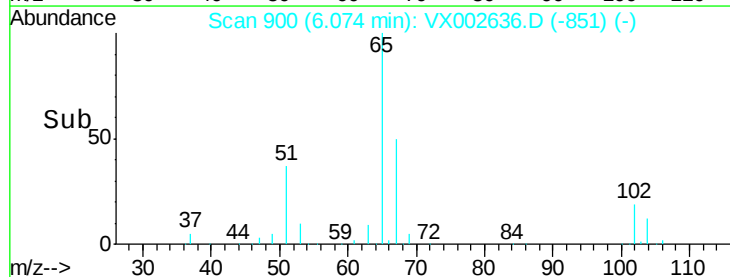
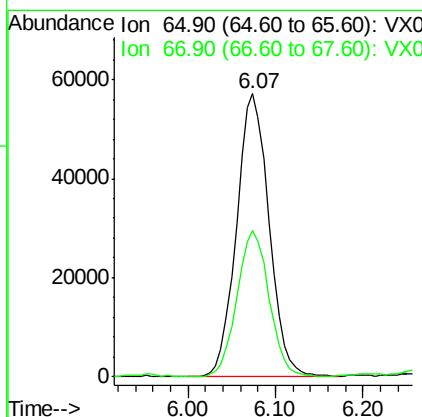
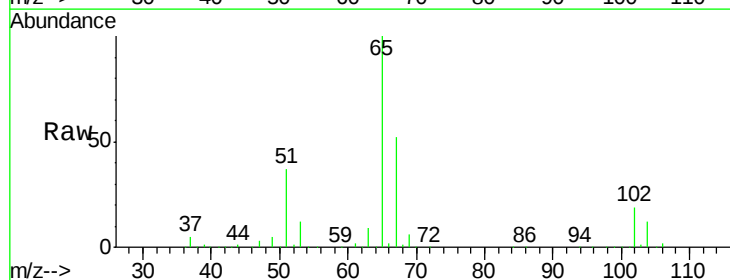
RT: 6.07 min Scan# 900

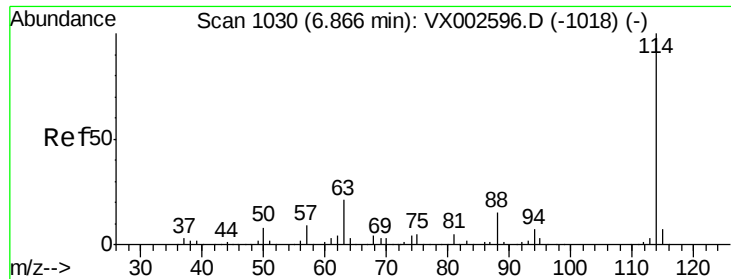
Delta R.T. 0.00 min

Lab File: VX002636.D

Acq: 16 Jun 2018 09:50

Tgt Ion:	65	Resp:	147699
Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	102.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX002636.D

Acq: 16 Jun 2018 09:50

Instrument :

MSVOA_X

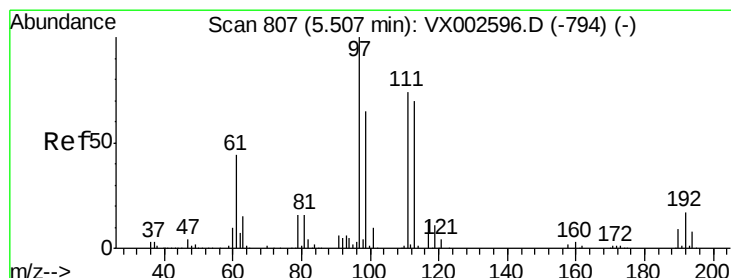
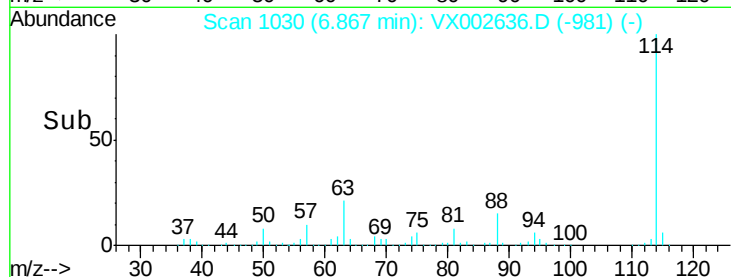
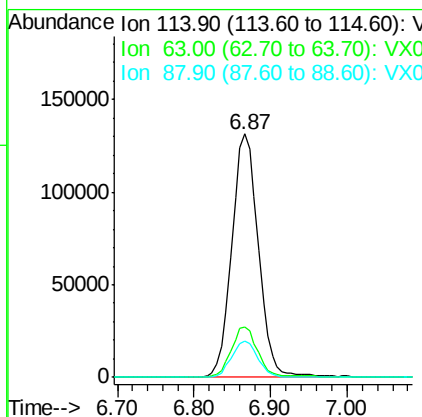
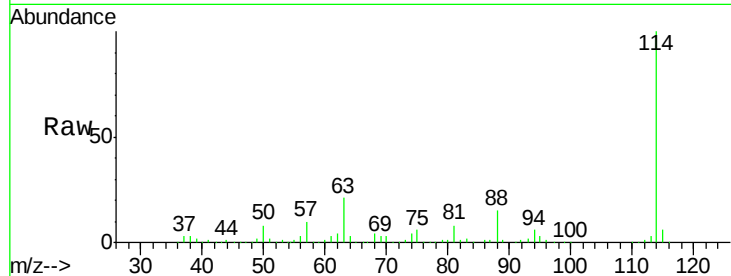
ClientSampleId :

W-50

Tot Ion:	114	Resp:	316972
Ion Ratio	Lower	Upper	
114	100		
63	20.9	0.0	41.4
88	14.8	0.0	30.0

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#35

Dibromofluoromethane

Concen: 45.36 ug/l

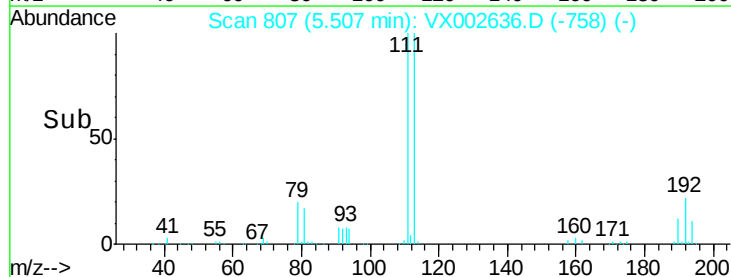
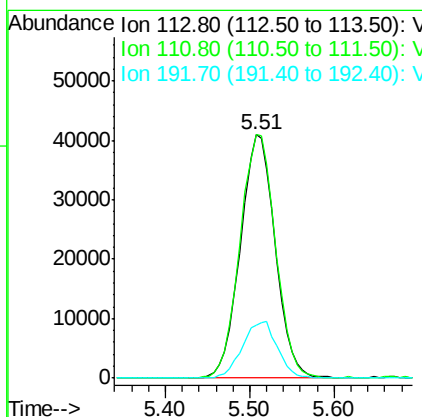
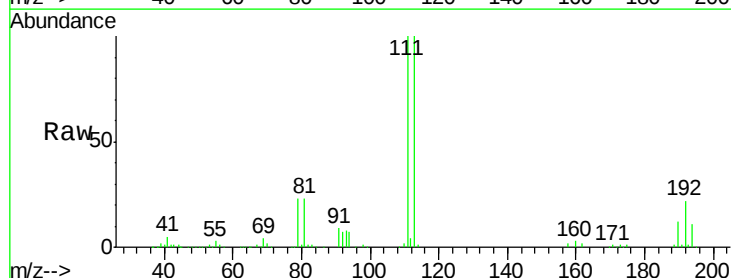
RT: 5.51 min Scan# 807

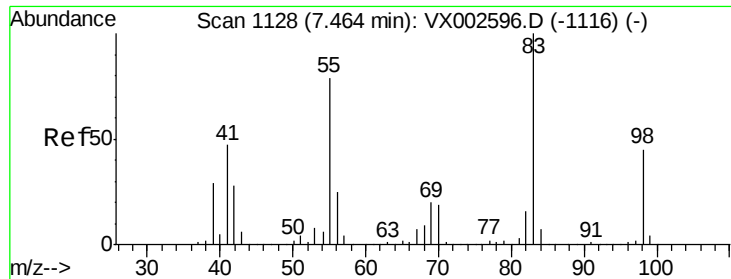
Delta R.T. 0.00 min

Lab File: VX002636.D

Acq: 16 Jun 2018 09:50

Tgt Ion:	113	Resp:	114742
Ion Ratio	Lower	Upper	
113	100		
111	102.2	81.4	122.0
192	23.4	19.1	28.7





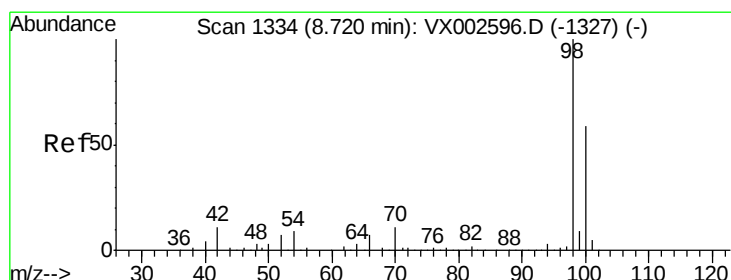
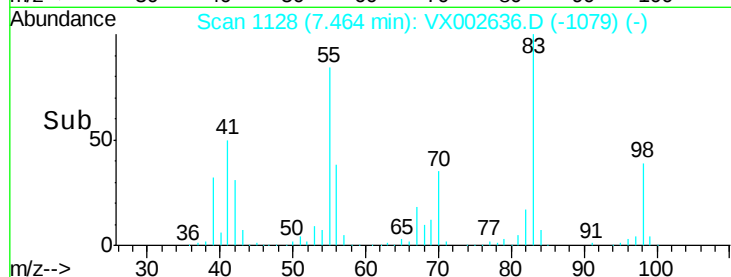
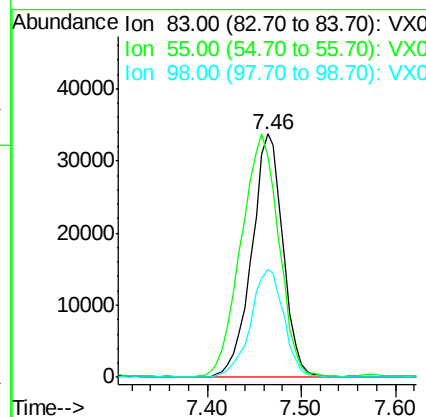
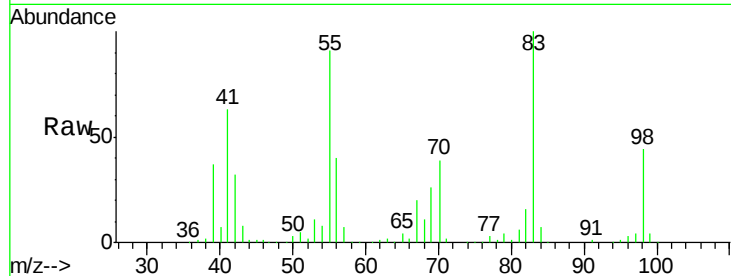
#39
Methvlcvclohexane
Concen: 19.99 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002636.D
Acq: 16 Jun 2018 09:50

Instrument :
MSVOA_X
ClientSampled :
W-50

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.5	65.4	98.0
98	44.4	37.4	56.0

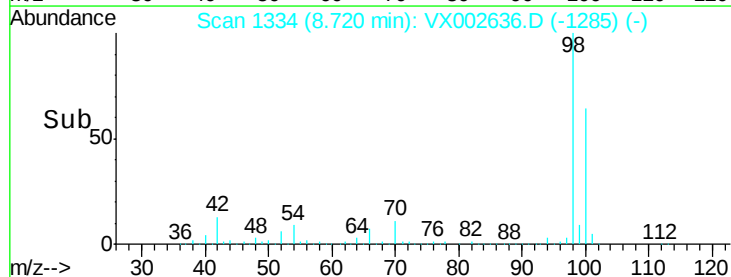
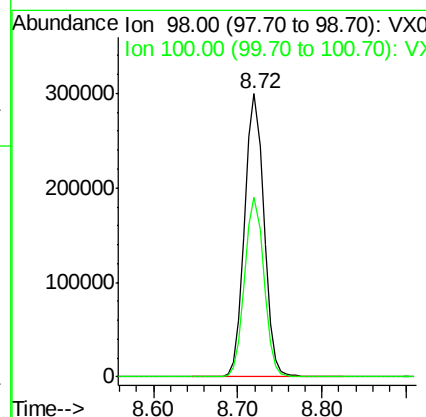
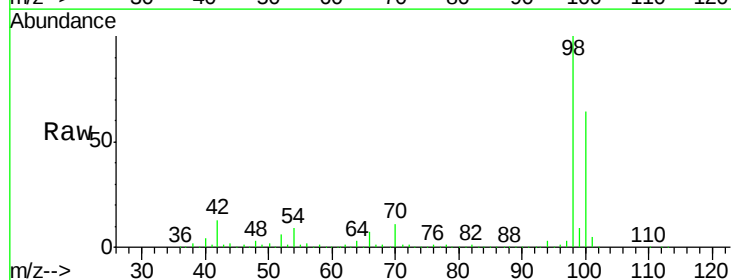
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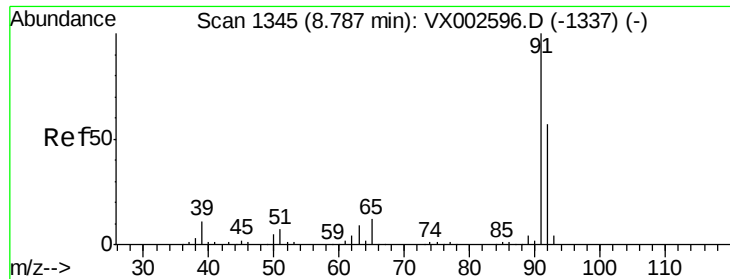
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#50
Toluene-d8
Concen: 47.76 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002636.D
Acq: 16 Jun 2018 09:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	50.9	76.3





#52

Toluene

Concen: 14.09 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002636.D

Acq: 16 Jun 2018 09:50

Instrument :

MSVOA_X

ClientSampled :

W-50

Tot Ion: 92 Resp: 90730

Ion Ratio Lower Upper

92 100

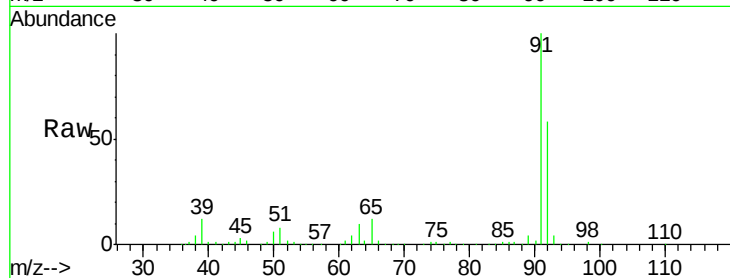
91 177.1 140.4 210.6

Manual Integrations

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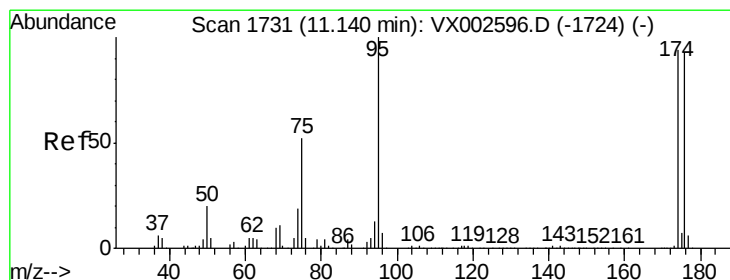
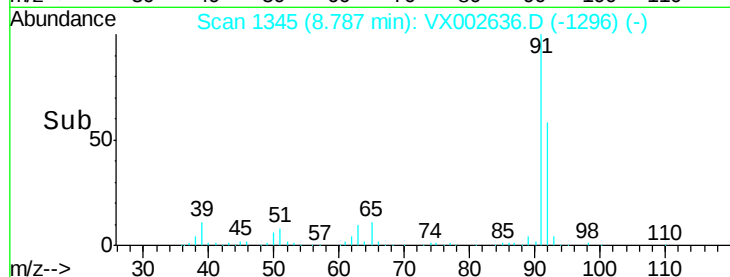
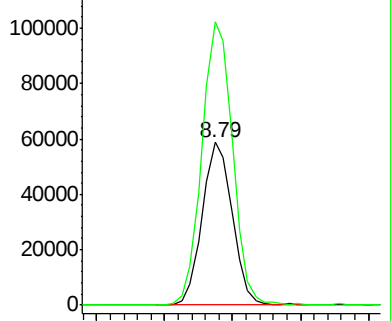
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Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 46.11 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002636.D

Acq: 16 Jun 2018 09:50

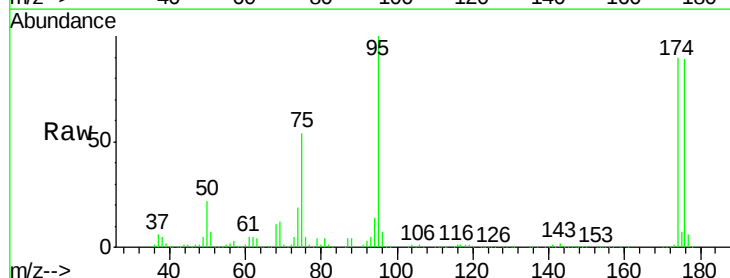
Tgt Ion: 95 Resp: 167817

Ion Ratio Lower Upper

95 100

174 93.6 0.0 187.4

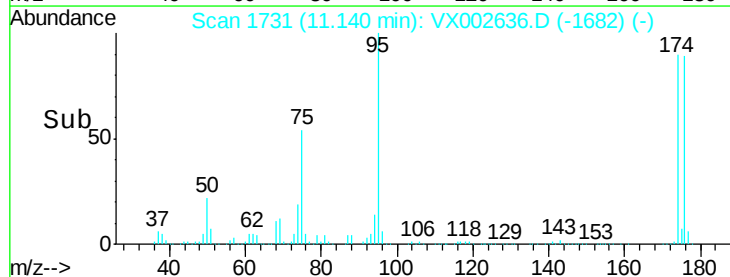
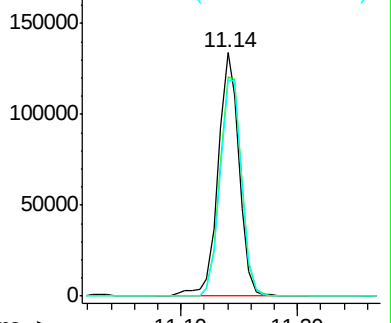
176 91.7 0.0 181.0

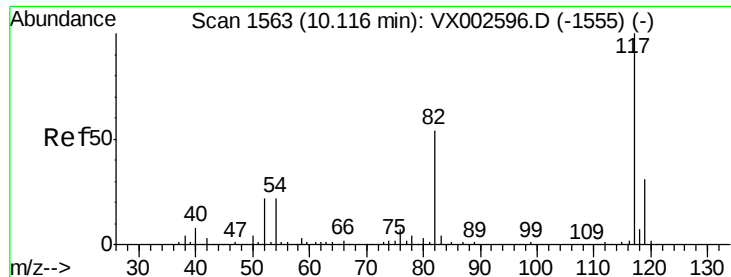


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





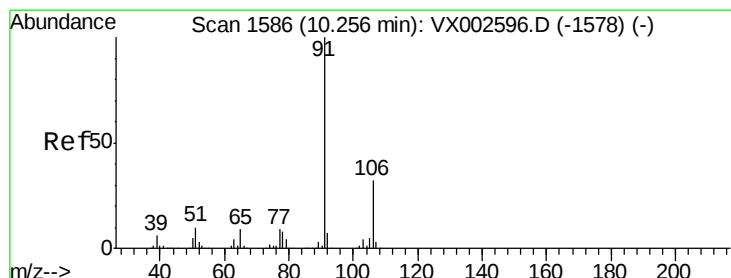
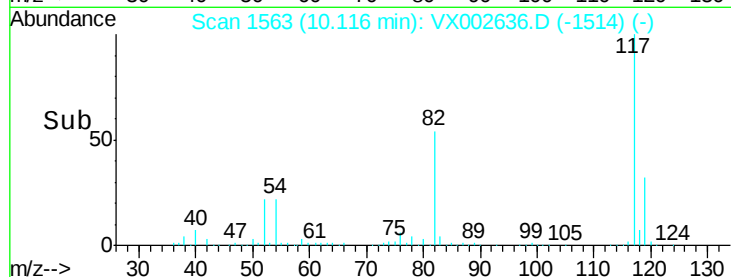
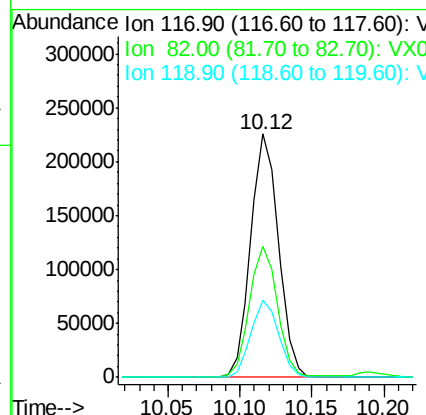
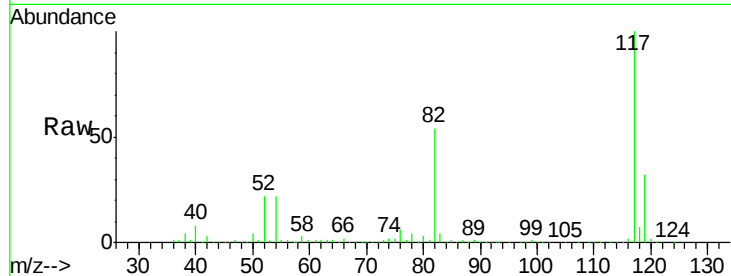
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002636.D
Acq: 16 Jun 2018 09:50

Instrument :
MSVOA_X
ClientSampled :
W-50

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	45.0	67.4
119	31.5	25.8	38.6

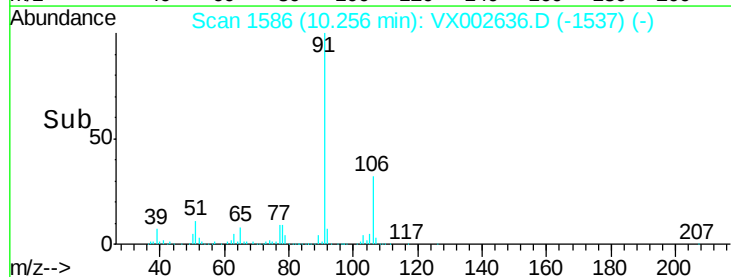
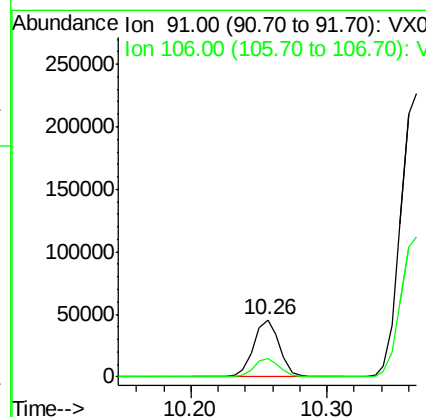
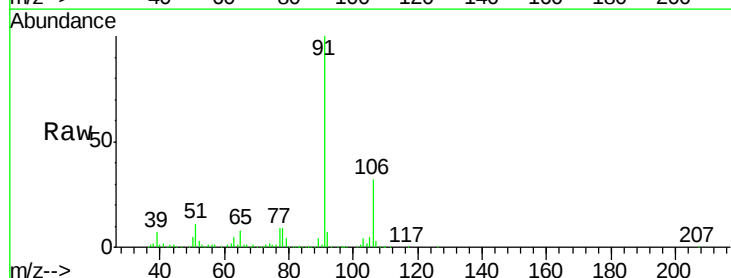
Manual Integrations
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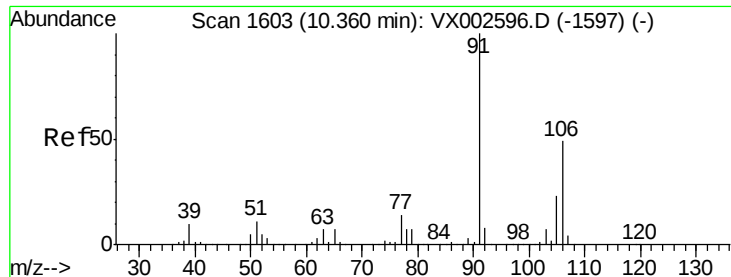
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#67
Ethyl Benzene
Concen: 4.82 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX002636.D
Acq: 16 Jun 2018 09:50

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.9	25.5	38.3





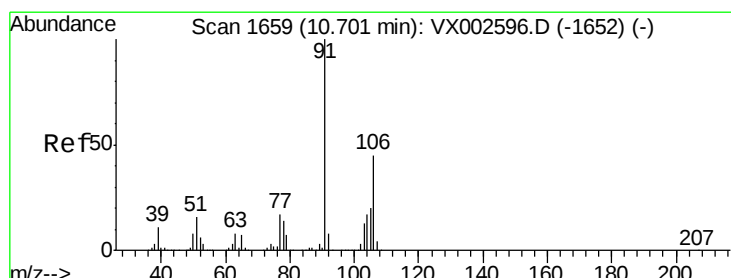
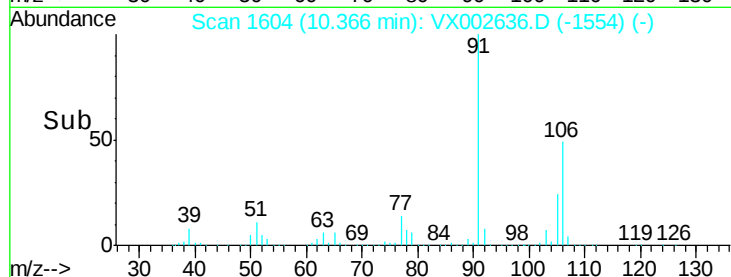
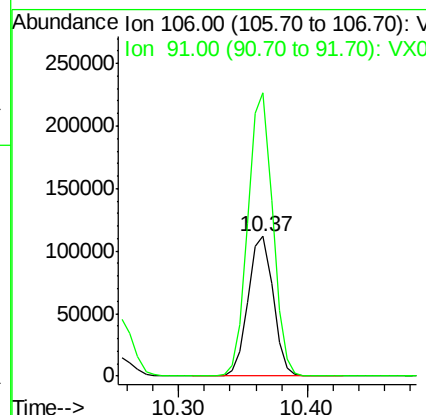
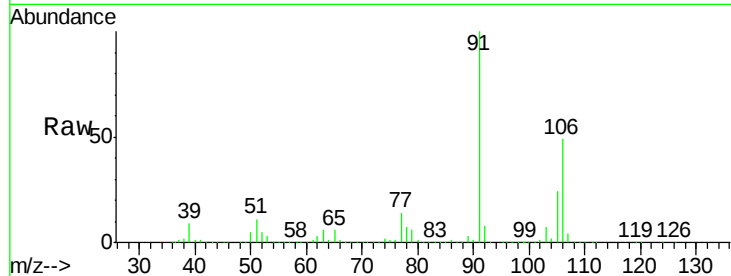
#68
m/p-Xylenes
Concen: 31.25 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX002636.D
Acq: 16 Jun 2018 09:50

Instrument :
MSVOA_X
ClientSampled :
W-50

Tot Ion:106 Resp: 149967
Ion Ratio Lower Upper
106 100
91 199.1 163.4 245.2

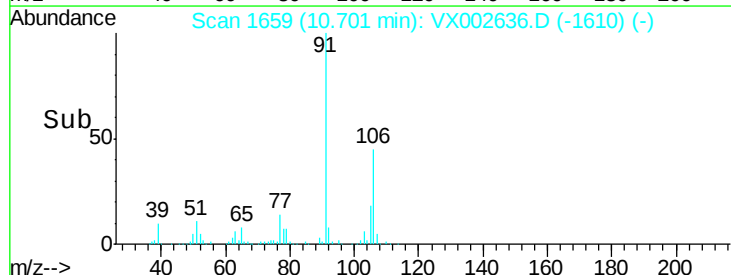
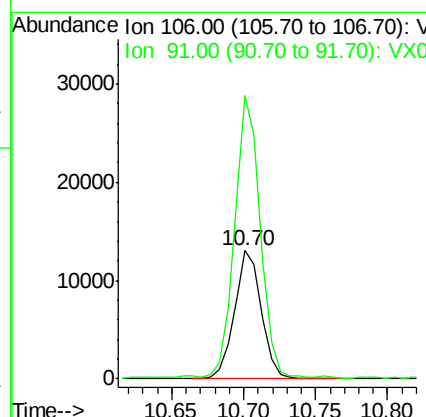
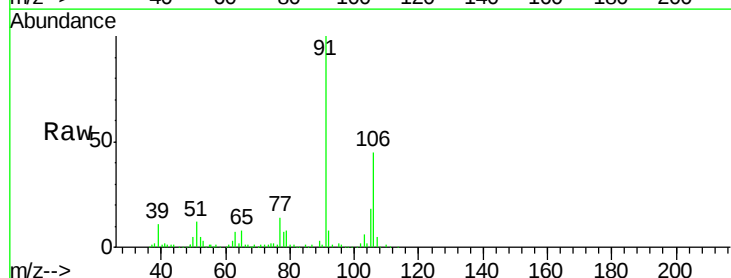
Manual Integrations
APPROVED

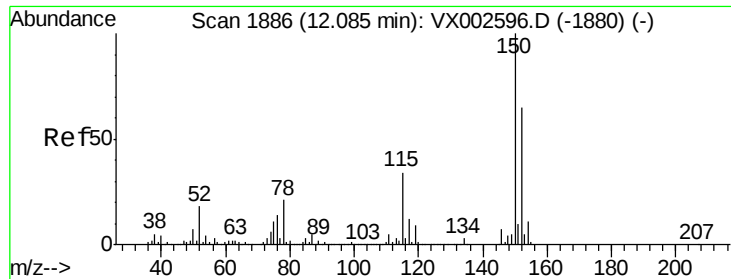
MMDadoda
6/18/2018 5:12:06 PM



#69
o-Xylene
Concen: 3.63 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002636.D
Acq: 16 Jun 2018 09:50

Tgt Ion:106 Resp: 17113
Ion Ratio Lower Upper
106 100
91 209.3 108.2 324.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX002636.D

Acq: 16 Jun 2018 09:50

Instrument :

MSVOA_X

ClientSampled :

W-50

Tot Ion:152 Resp: 177329

Ion Ratio Lower Upper

152 100

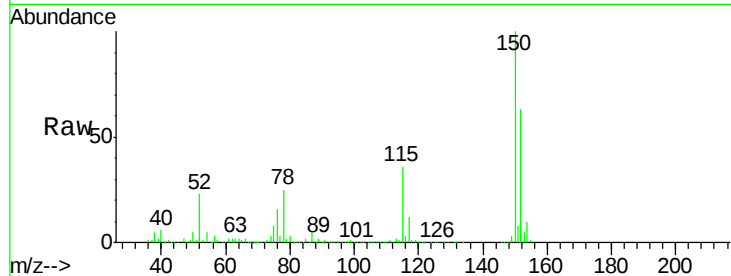
115 55.3 40.1 120.2

150 155.9 0.0 347.2

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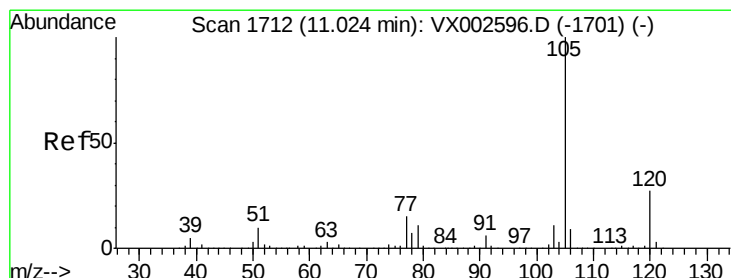
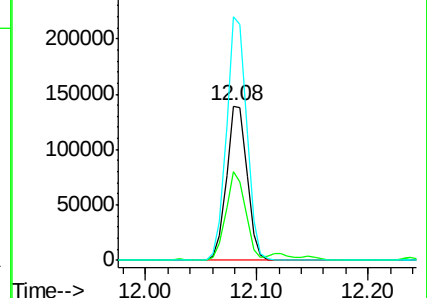
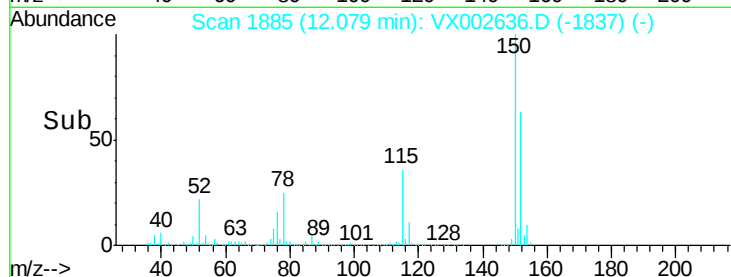
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Abundance Ion 151.90 (151.60 to 152.60): V

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# 1712

Delta R.T. 0.00 min

Lab File: VX002636.D

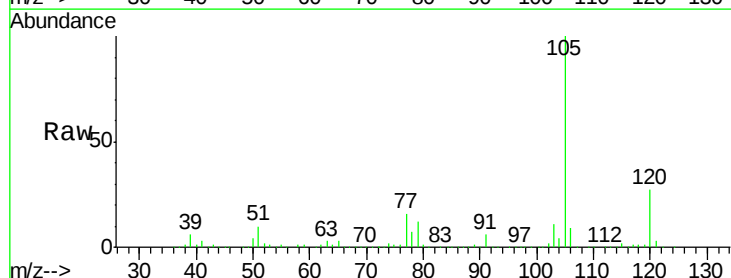
Acq: 16 Jun 2018 09:50

Tgt Ion:105 Resp: 187654

Ion Ratio Lower Upper

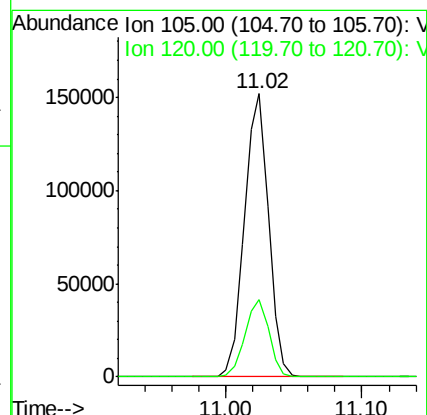
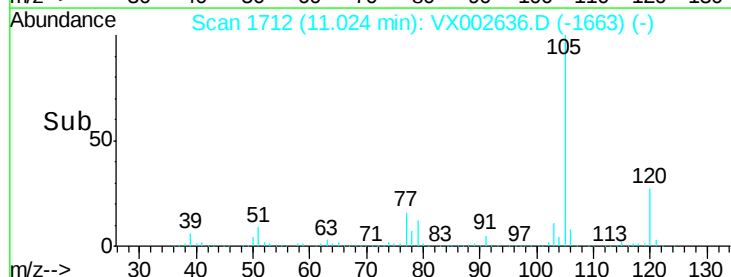
105 100

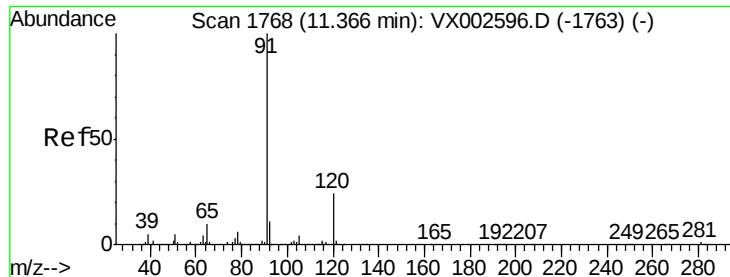
120 27.3 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 54.94 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002636.D

Acq: 16 Jun 2018 09:50

Instrument :

MSVOA_X

ClientSampled :

W-50

Tot Ion: 91 Resp: 747242

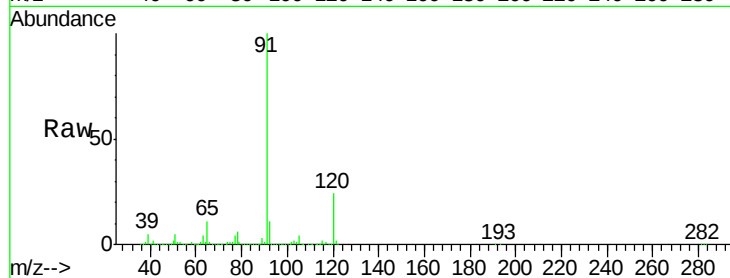
Ion Ratio Lower Upper

91 100

120 23.5 11.8 35.4

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Abundance Ion 91.00 (90.70 to 91.70): VX002596.D (-1763) (-)

Ion 120.00 (119.70 to 120.70): VX002596.D (-1763) (-)

11.37

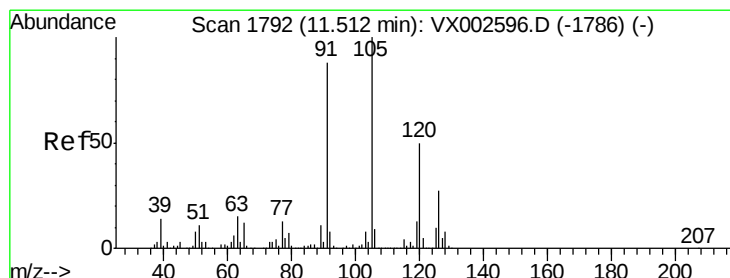
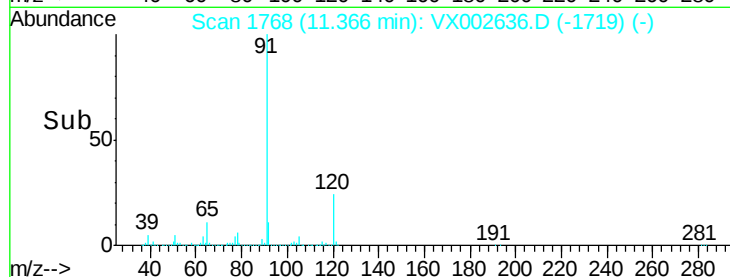
600000

400000

200000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 3.07 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002636.D

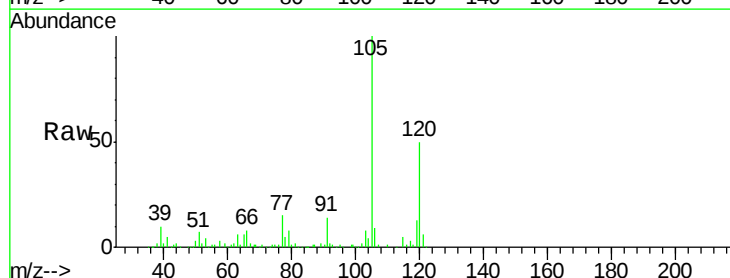
Acq: 16 Jun 2018 09:50

Tgt Ion: 105 Resp: 30758

Ion Ratio Lower Upper

105 100

120 49.4 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX002596.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX002596.D (-1786) (-)

11.51

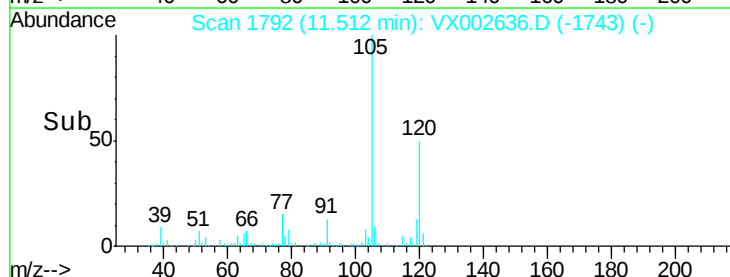
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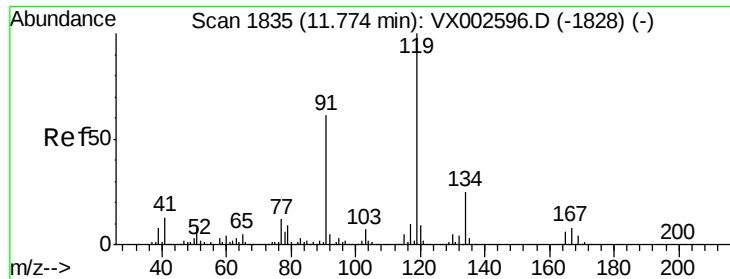
200000

100000

0

Time-->





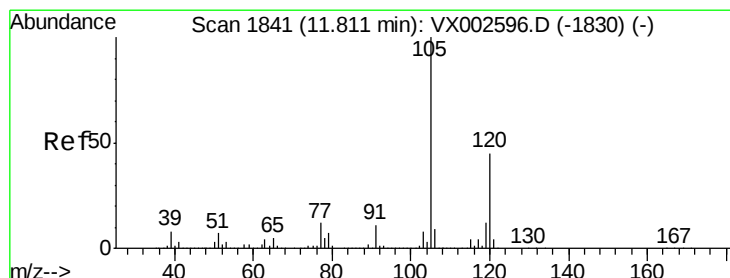
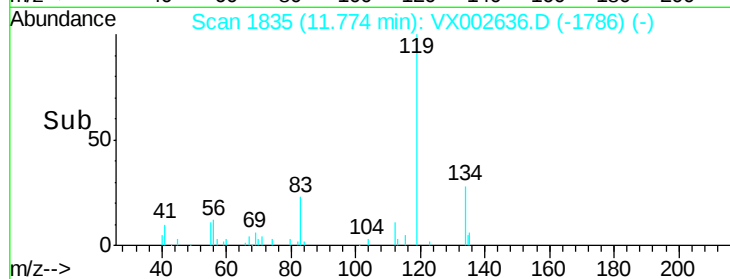
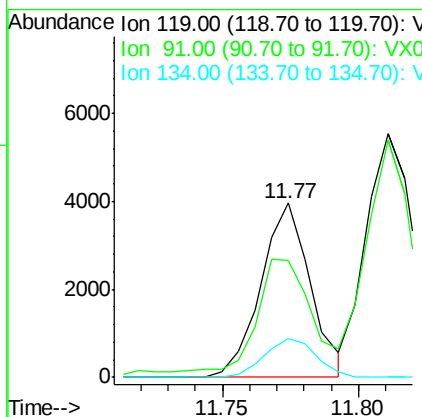
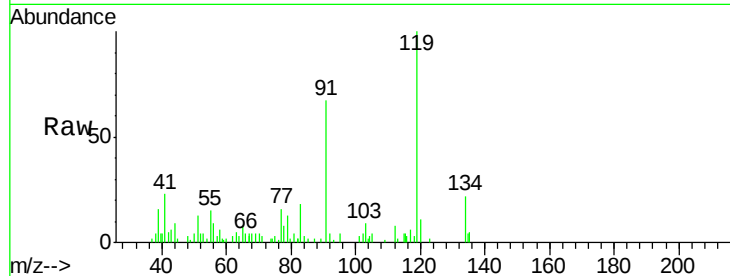
#83
tert-Butylbenzene
Concen: 0.52 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX002636.D
Acq: 16 Jun 2018 09:50

Instrument :
MSVOA_X
ClientSampled :
W-50

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.1	30.3	90.9
134	22.8	11.7	35.1

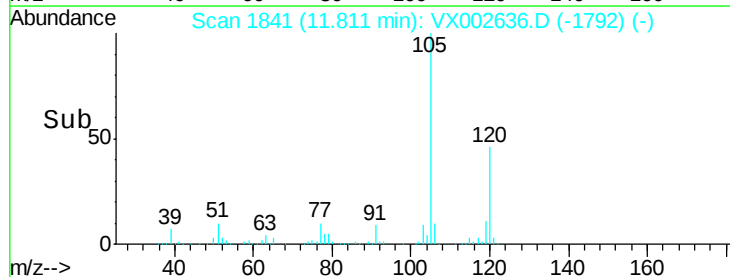
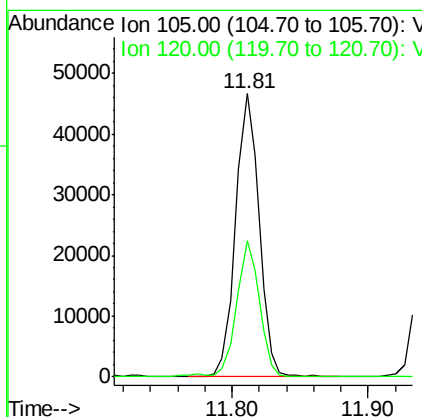
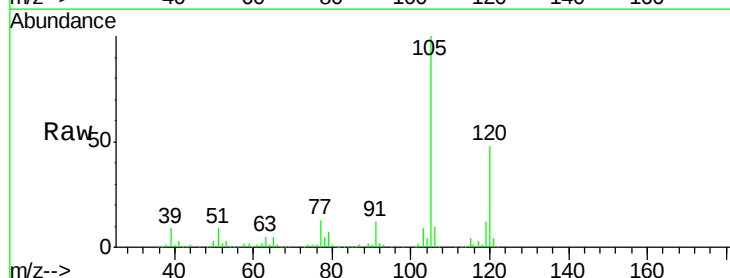
Manual Integrations
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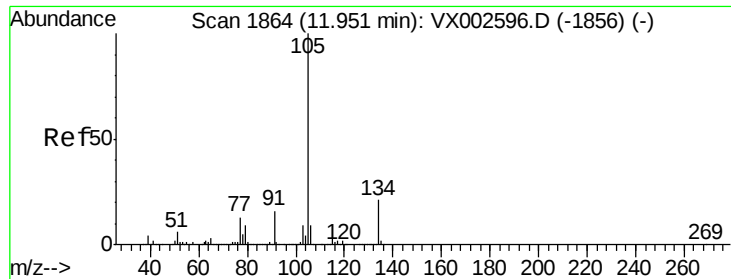
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#84
1,2,4-Trimethylbenzene
Concen: 5.47 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX002636.D
Acq: 16 Jun 2018 09:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.7	22.3	66.8





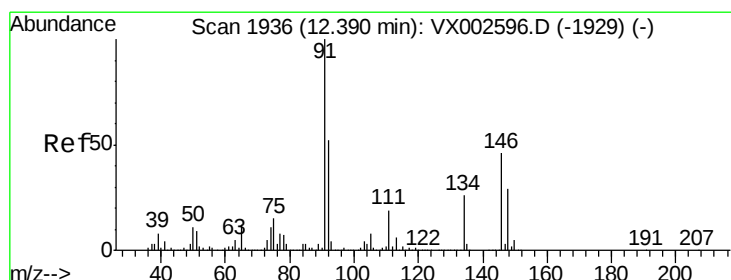
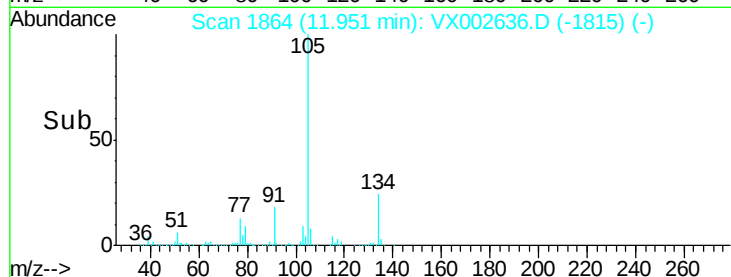
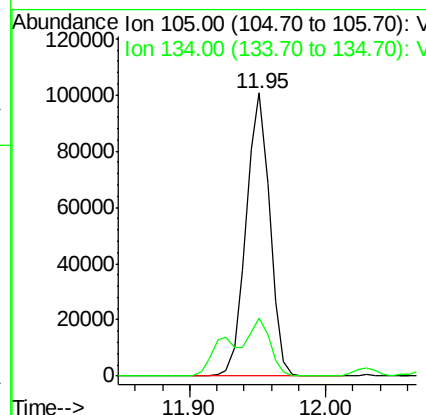
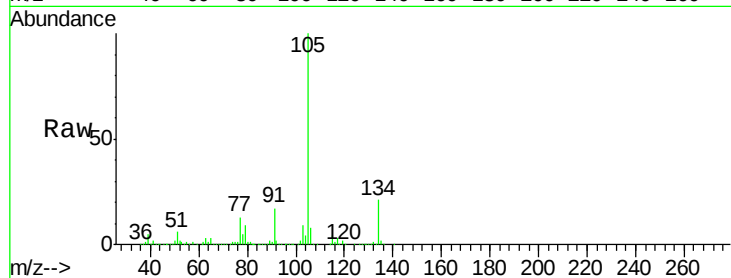
#85
 sec-Butylbenzene
 Concen: 10.13 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX002636.D
 Acq: 16 Jun 2018 09:50

Instrument :
 MSVOA_X
 ClientSampled :
 W-50

Tot Ion	Ratio	Lower	Upper
105	100		
134	17.7	10.4	31.1

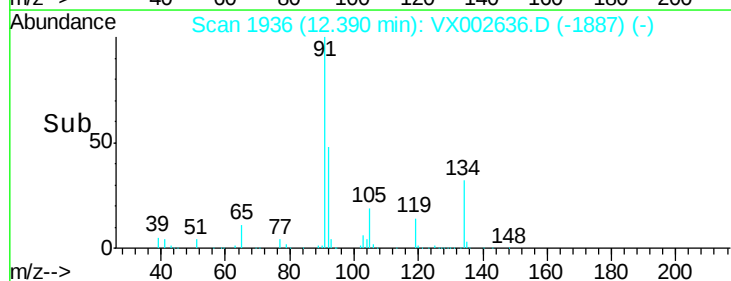
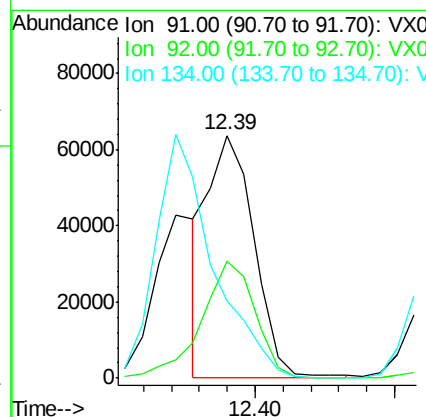
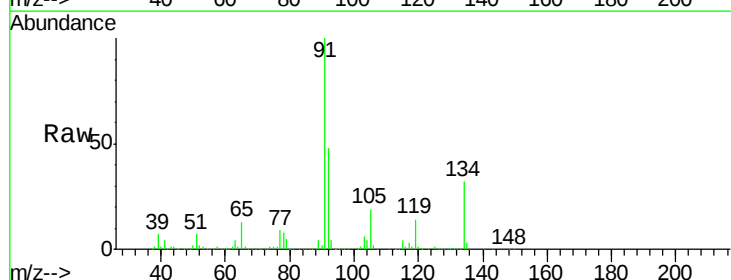
Manual Integrations
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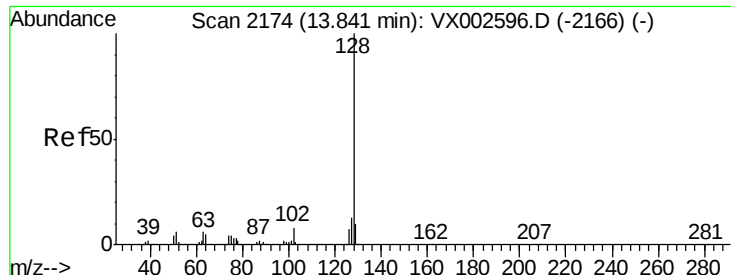
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 6/18/2018 5:12:06 PM



#89
 n-Butylbenzene
 Concen: 7.66 ug/l m
 RT: 12.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VX002636.D
 Acq: 16 Jun 2018 09:50

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.9	26.0	78.0
134	124.6	13.5	40.5#





#95
Naphthalene
Concen: 31.06 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX002636.D
Acq: 16 Jun 2018 09:50

Instrument :
MSVOA_X
ClientSampleId :
W-50

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	13.5	10.4	15.6
129	12.1	8.6	13.0

Manual Integrations
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