

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020619\
 Data File : VX007411.D
 Acq On : 06 Feb 2019 20:24
 Operator : JC/SP
 Sample : K1392-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-1

Manual Integrations
 APPROVED

MMDadoda
 2/7/2019 9:53:16 AM

Quant Time: Feb 07 02:41:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	569374	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	865413	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	809694	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	415310	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	298205	49.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.68%	
35) Dibromofluoromethane	5.51	113	270182	47.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.96%	
50) Toluene-d8	8.71	98	1025111	49.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.14%	
62) 4-Bromofluorobenzene	11.13	95	377609	49.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.02%	
Target Compounds						
					Qvalue	
16) Acetone	2.45	43	15611	5.639	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	4638	0.733	ug/l	91
31) Cyclohexane	5.58	56	5523	0.657	ug/l #	87
39) Methylcyclohexane	7.46	83	5102	0.543	ug/l #	76
40) Benzene	6.15	78	61650	2.695	ug/l	93
52) Toluene	8.79	92	6061	0.411	ug/l	99
67) Ethyl Benzene	10.25	91	1547942	54.402	ug/l	99
68) m/p-Xylenes	10.36	106	13223m	1.169	ug/l	
69) o-Xylene	10.70	106	6224	0.572	ug/l	95
73) Isopropylbenzene	11.02	105	168274	5.962	ug/l	98
78) n-propylbenzene	11.36	91	330038	10.664	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	9887	0.428	ug/l	93
83) tert-Butylbenzene	11.77	119	42768	1.871	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	26335	1.123	ug/l	96
85) sec-Butylbenzene	11.94	105	41672	1.506	ug/l	98
89) n-Butylbenzene	12.38	91	29447	1.371	ug/l #	60
91) 1,2-Dichlorobenzene	12.39	146	8412	0.592	ug/l	100
95) Naphthalene	13.83	128	36074	1.288	ug/l #	89

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

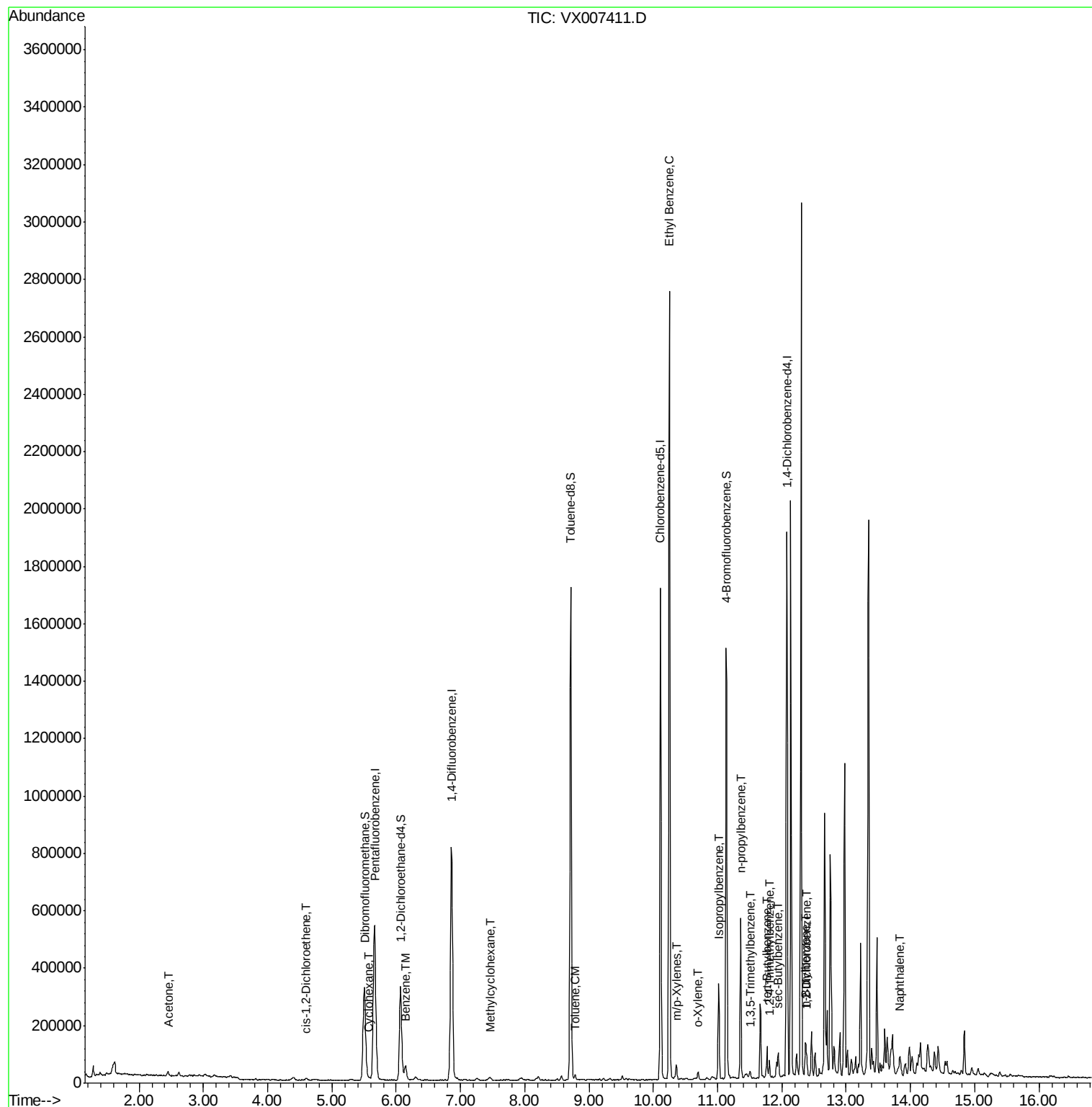
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX020619\
Data File : VX007411.D
Acq On : 06 Feb 2019 20:24
Operator : JC/SP
Sample : K1392-02
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ALS Vial : 23 Sample Multiplier: 1

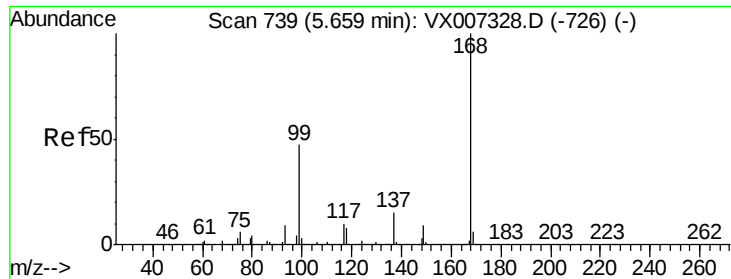
Instrument :
MSVOA_X
ClientSampleId :
TW-1

Manual Integrations
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2/7/2019 9:53:16 AM

Quant Time: Feb 07 02:41:50 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
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: VX007411.D

Acq: 06 Feb 2019 20:24

Instrument :

MSVOA_X

ClientSampled :

TW-1

Tot Ion:168 Resp: 569374

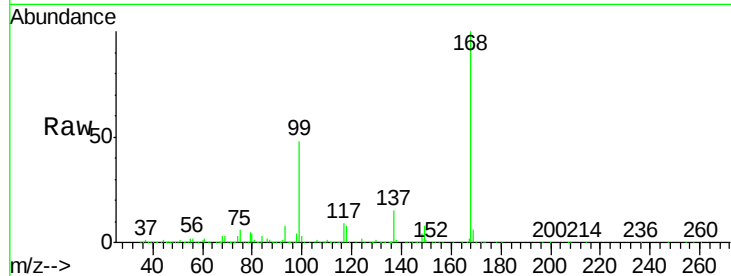
Ion Ratio Lower Upper

168 100

99 48.2 37.9 56.9

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

200000

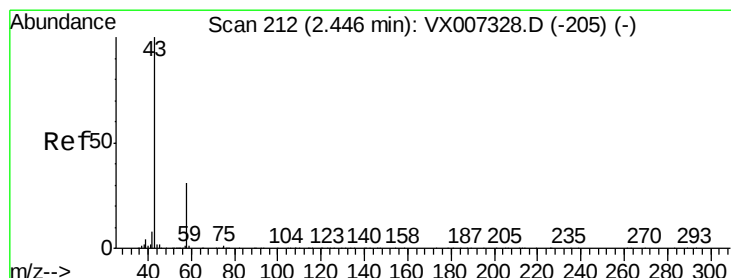
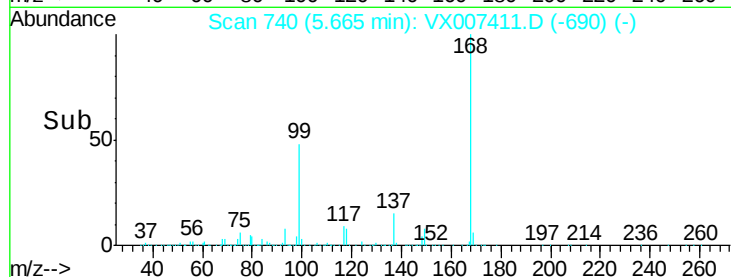
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 5.639 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007411.D

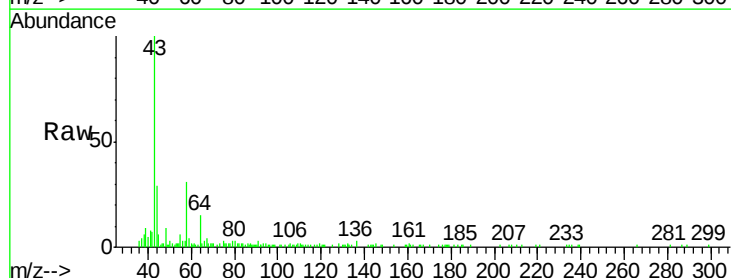
Acq: 06 Feb 2019 20:24

Tgt Ion: 43 Resp: 15611

Ion Ratio Lower Upper

43 100

58 30.5 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

10000

8000

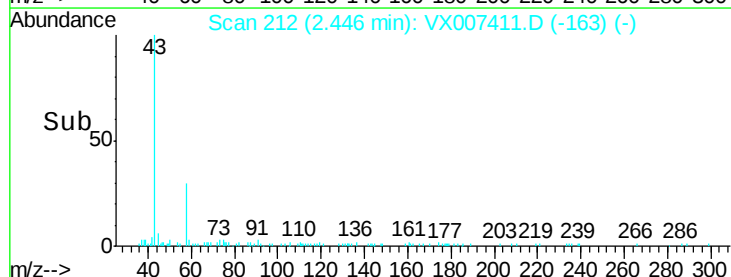
6000

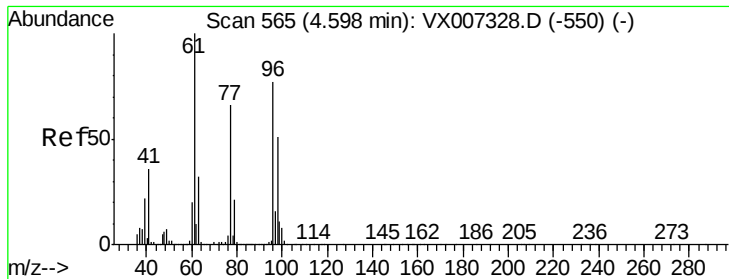
4000

2000

0

Time-->





#27

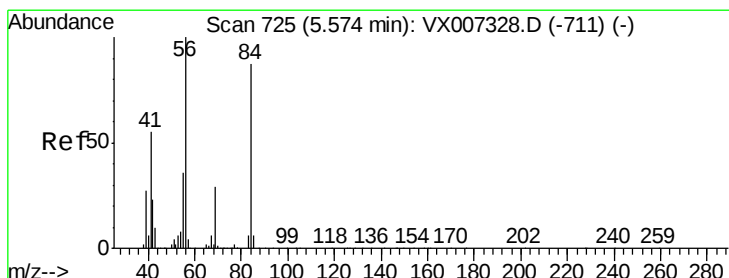
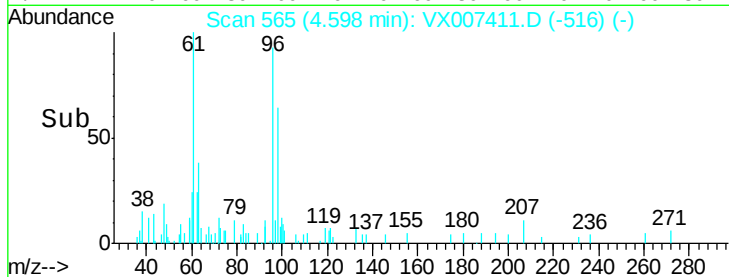
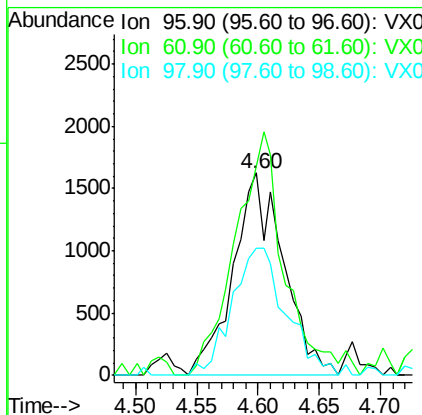
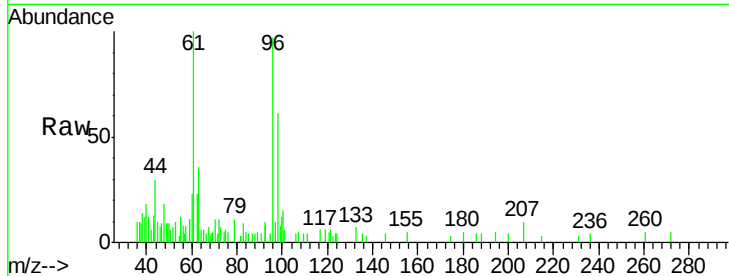
cis-1,2-Dichloroethene
Concen: 0.733 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX007411.D
Acq: 06 Feb 2019 20:24

Instrument :
MSVOA_X
ClientSampled :
TW-1

Tot Ion	Ratio	Lower	Upper
96	100		
61	118.7	0.0	265.6
98	68.4	0.0	131.6

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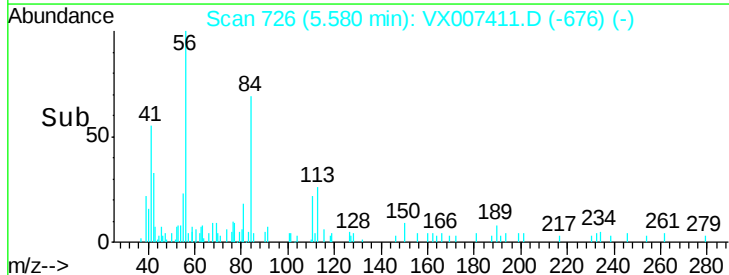
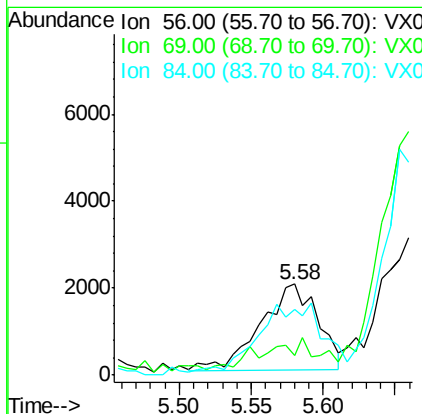
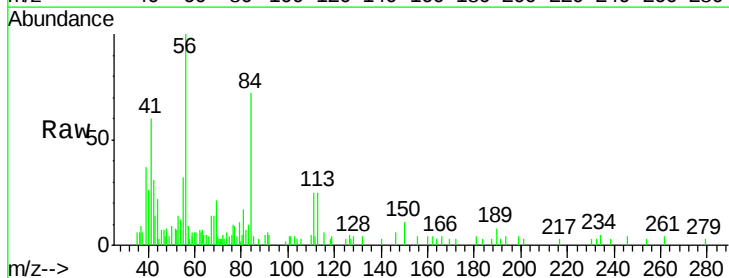
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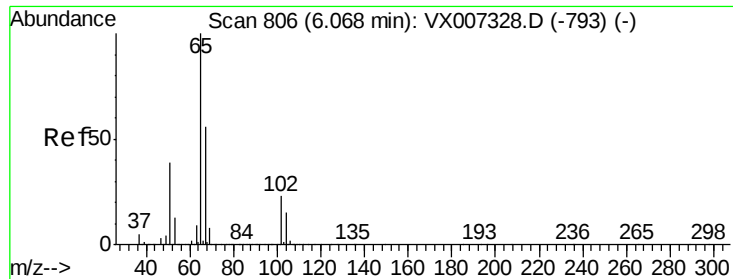


#31

Cyclohexane
Concen: 0.657 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX007411.D
Acq: 06 Feb 2019 20:24

Tgt Ion	Ratio	Lower	Upper
56	100		
69	12.6	23.0	34.6#
84	79.9	69.8	104.6





#33

1,2-Dichloroethane-d4

Concen: 49.344 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007411.D

Acq: 06 Feb 2019 20:24

Instrument :

MSVOA_X

ClientSampled :

TW-1

Tot Ion: 65 Resp: 298205

Ion Ratio Lower Upper

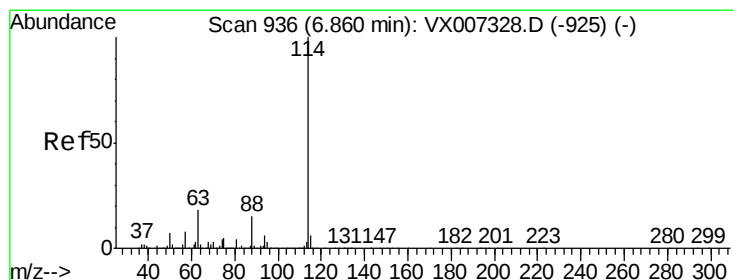
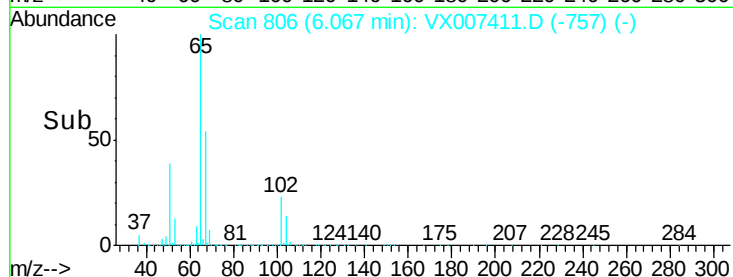
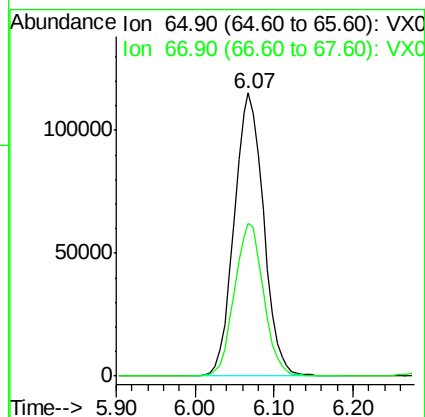
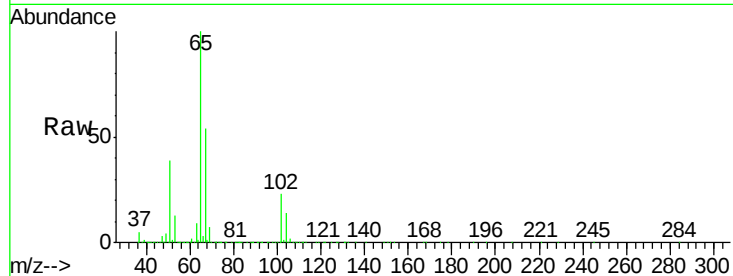
65 100

67 53.1 0.0 108.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007411.D

Acq: 06 Feb 2019 20:24

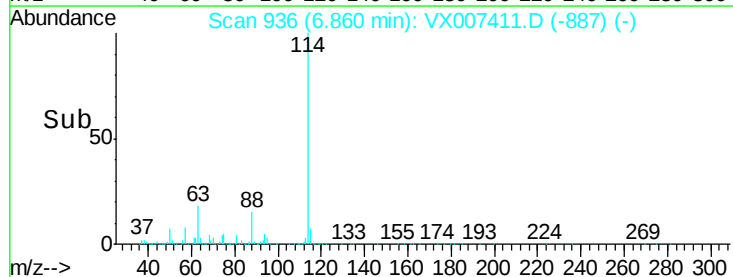
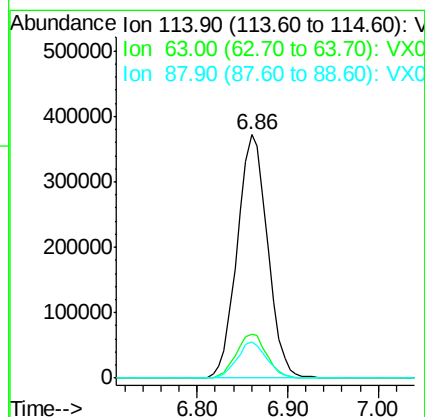
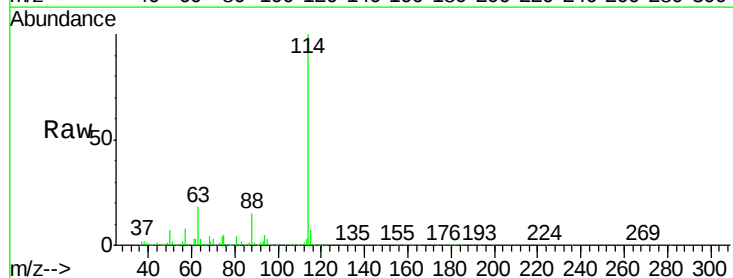
Tgt Ion: 114 Resp: 865413

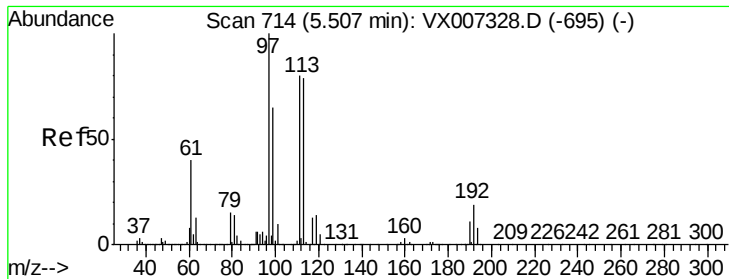
Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.6

88 14.8 0.0 29.6





#35

Dibromofluoromethane

Concen: 47.982 ug/l

RT: 5.51 min Scan# 714

Delta R.T. -0.00 min

Lab File: VX007411.D

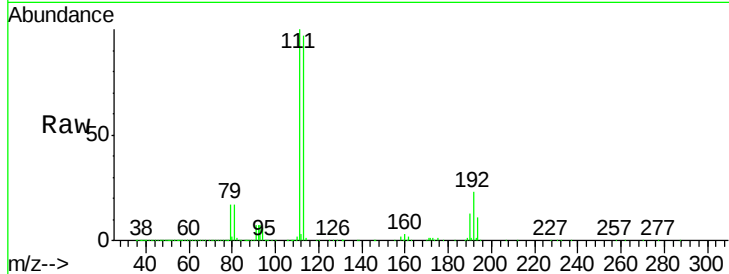
Acq: 06 Feb 2019 20:24

Instrument :
MSVOA_X
ClientSampled :
TW-1

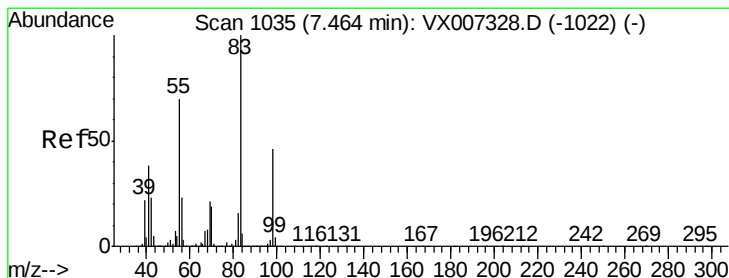
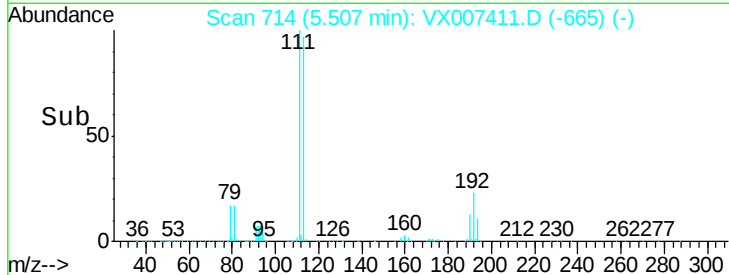
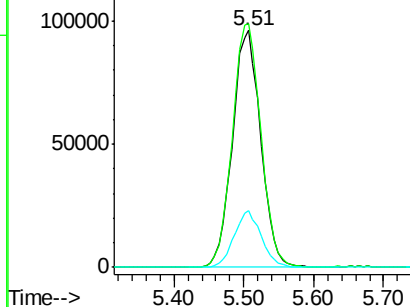
Tot Ion:	113	Resp:	270182
Ion Ratio	Lower	Upper	
113	100		
111	103.7	81.8	122.8
192	23.0	18.5	27.7

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#39

Methylcyclohexane

Concen: 0.543 ug/l

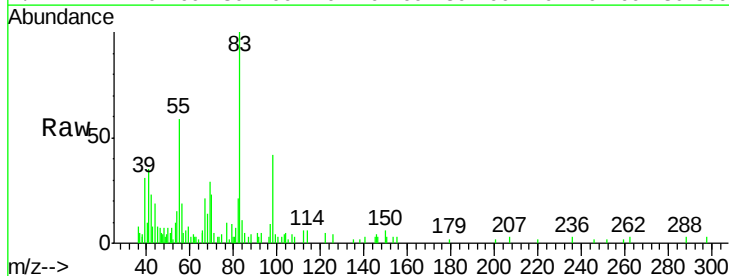
RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

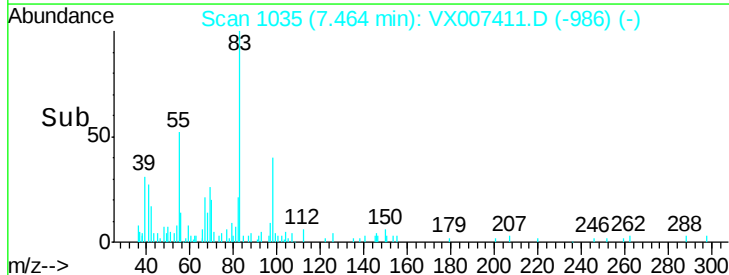
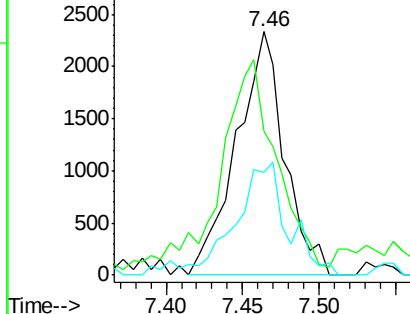
Lab File: VX007411.D

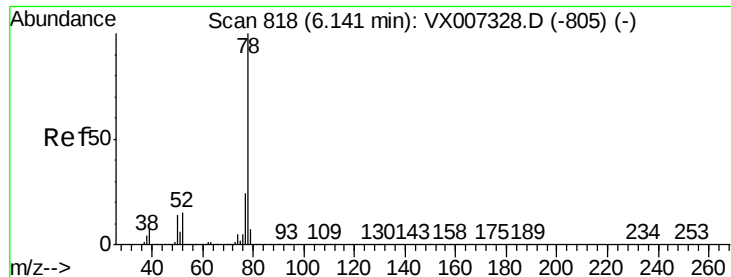
Acq: 06 Feb 2019 20:24

Tgt Ion:	83	Resp:	5102
Ion Ratio	Lower	Upper	
83	100		
55	41.4	56.2	84.2#
98	42.0	36.8	55.2



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 2.695 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX007411.D

Acq: 06 Feb 2019 20:24

Instrument :

MSVOA_X

ClientSampled :

TW-1

Tot Ion: 78 Resp: 61650

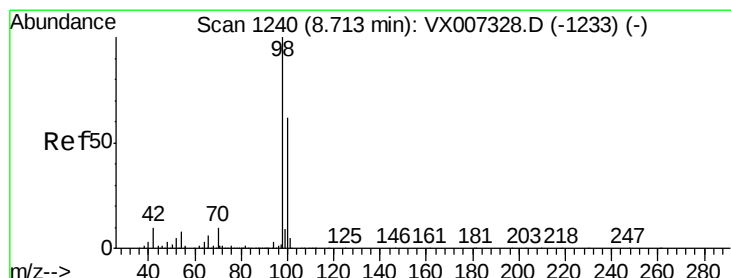
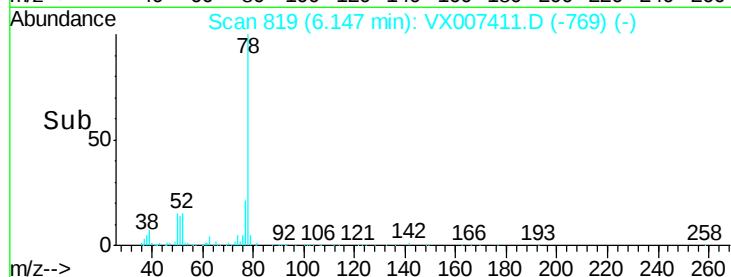
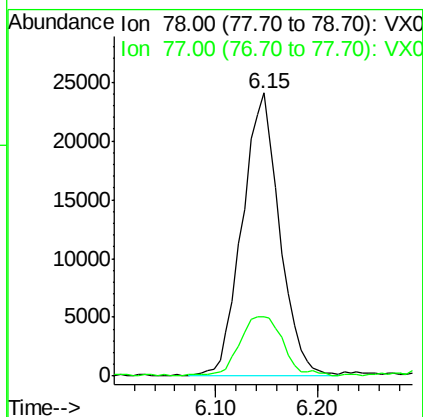
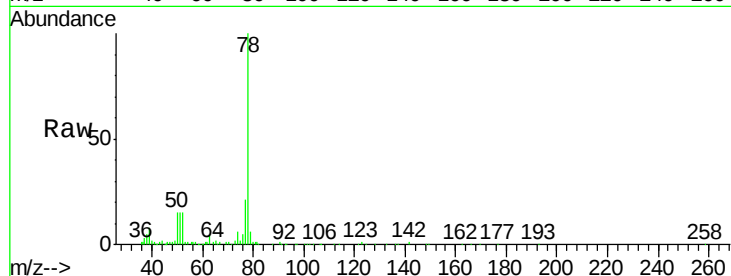
Ion Ratio Lower Upper

78 100

77 20.8 19.3 28.9

Manual Integrations
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#50

Toluene-d8

Concen: 49.068 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007411.D

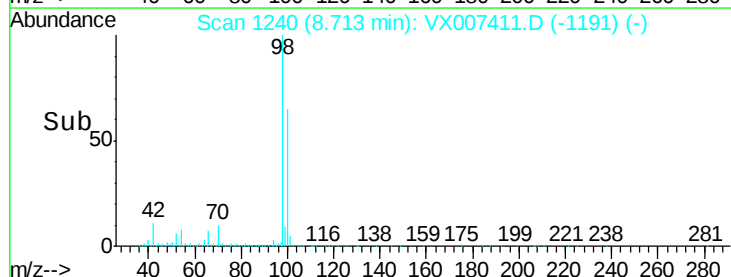
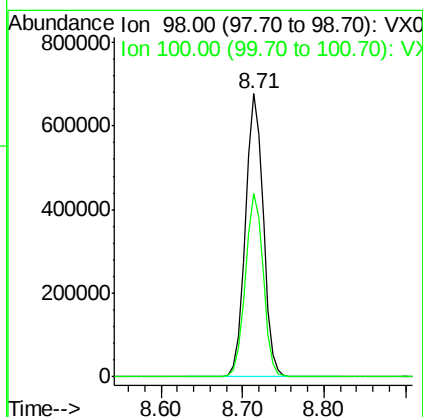
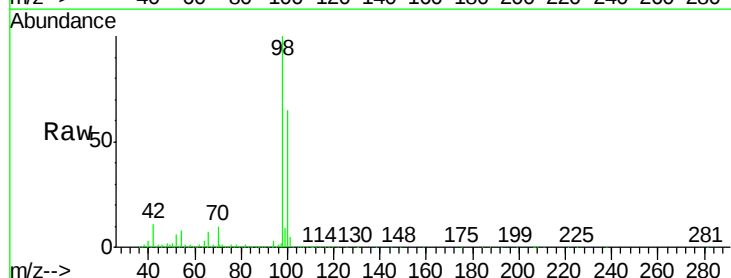
Acq: 06 Feb 2019 20:24

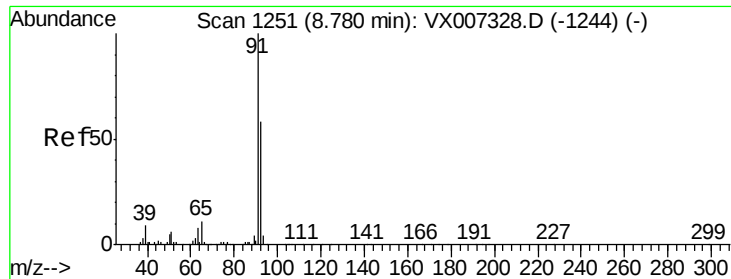
Tgt Ion: 98 Resp: 1025111

Ion Ratio Lower Upper

98 100

100 64.6 51.6 77.4





#52

Toluene

Concen: 0.411 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX007411.D

Acq: 06 Feb 2019 20:24

Instrument :

MSVOA_X

ClientSampleId :

TW-1

Tot Ion: 92 Resp: 6061

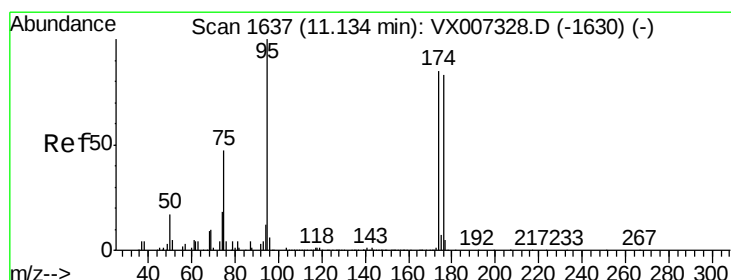
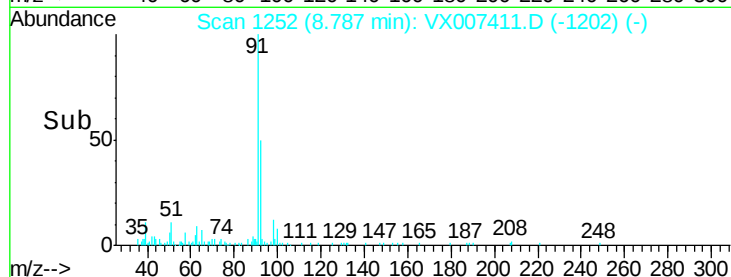
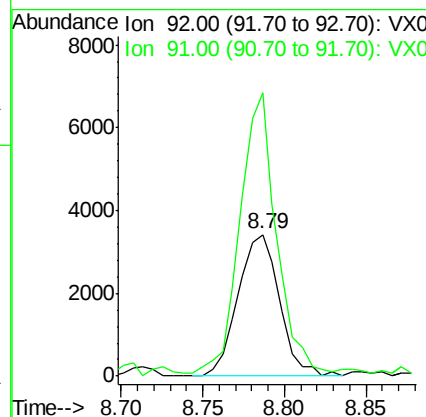
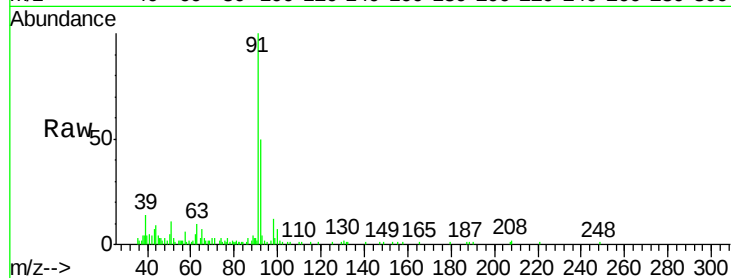
Ion Ratio Lower Upper

92 100

91 173.0 139.1 208.7

Manual Integrations
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2/7/2019 9:53:16 AM



#62

4-Bromofluorobenzene

Concen: 49.506 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007411.D

Acq: 06 Feb 2019 20:24

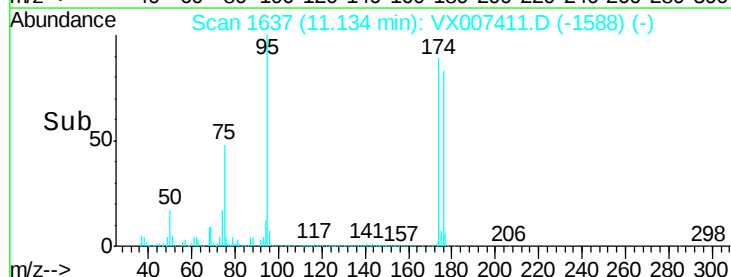
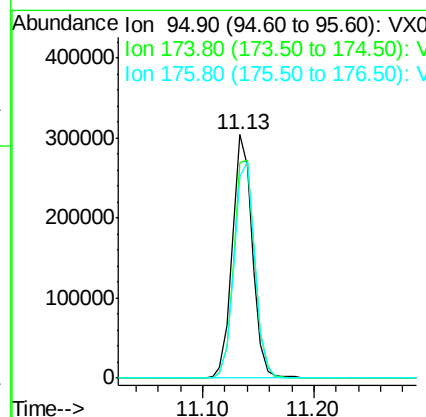
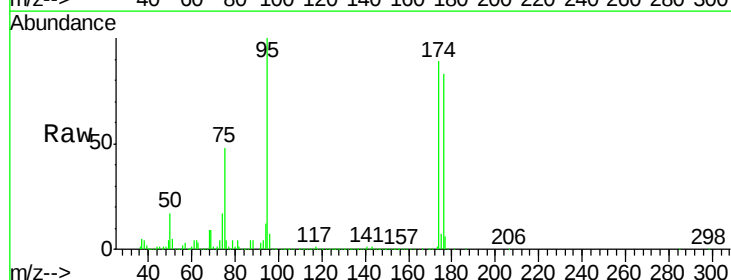
Tgt Ion: 95 Resp: 377609

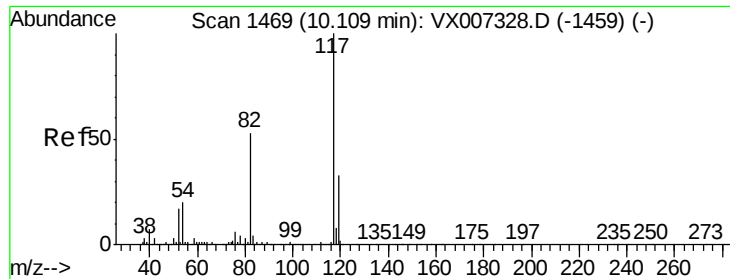
Ion Ratio Lower Upper

95 100

174 94.2 0.0 189.2

176 91.4 0.0 186.2





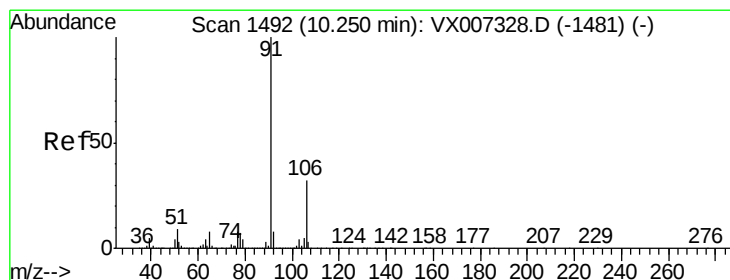
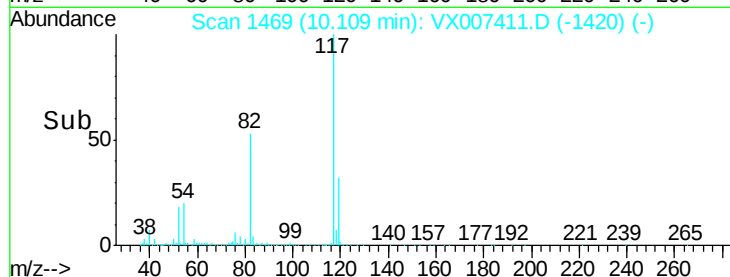
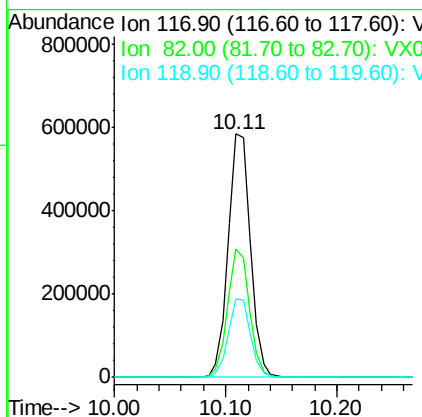
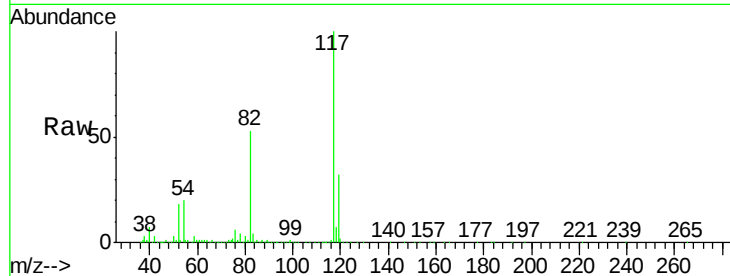
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007411.D
Acq: 06 Feb 2019 20:24

Instrument :
MSVOA_X
ClientSampled :
TW-1

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.1	63.1
119	32.4	26.5	39.7

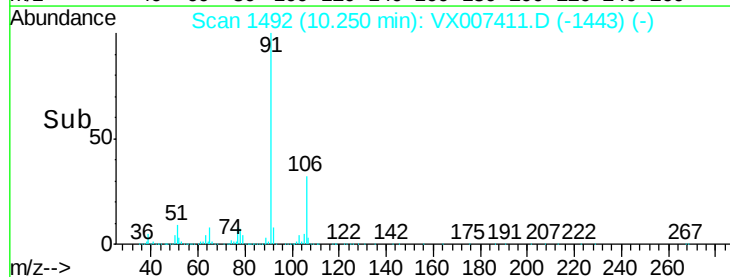
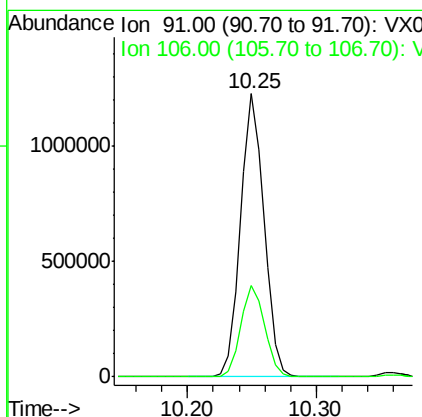
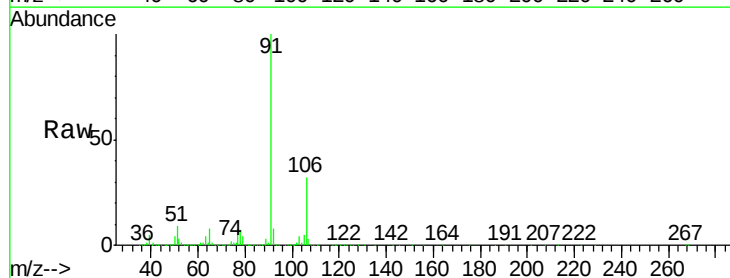
Manual Integrations
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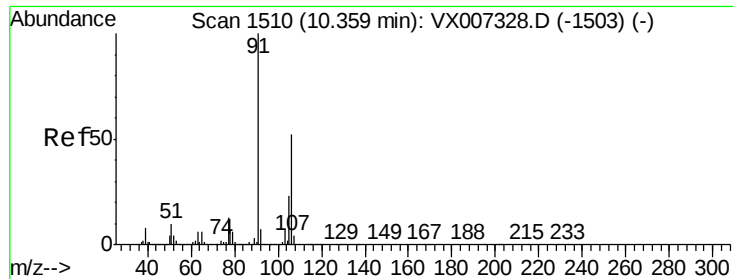
MMDadoda
2/7/2019 9:53:16 AM



#67
Ethyl Benzene
Concen: 54.402 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX007411.D
Acq: 06 Feb 2019 20:24

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.5	25.4	38.0





#68

m/p-Xylenes

Concen: 1.169 ug/l m

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007411.D

Acq: 06 Feb 2019 20:24

Instrument :

MSVOA_X

ClientSampled :

TW-1

Tot Ion:106 Resp: 13223

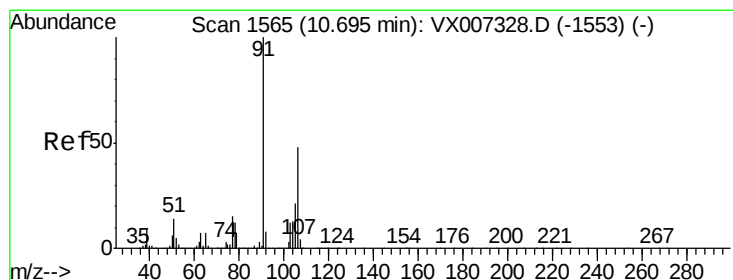
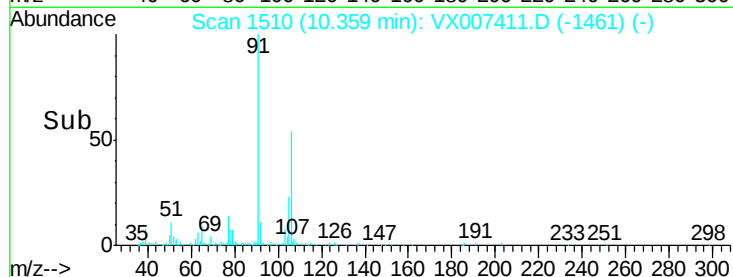
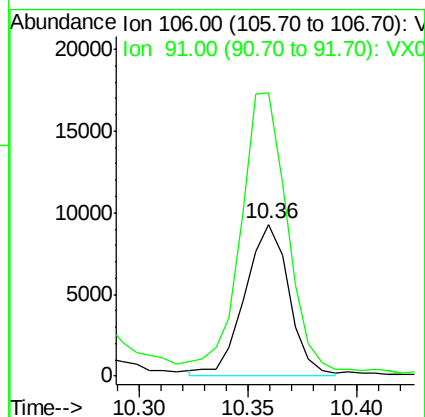
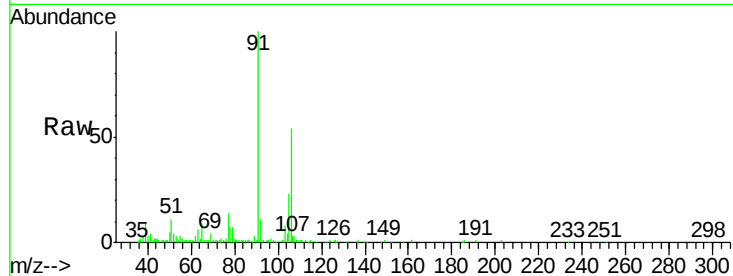
Ion Ratio Lower Upper

106 100

91 11706.4 156.6 234.

Manual Integrations
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#69

o-Xylene

Concen: 0.572 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VX007411.D

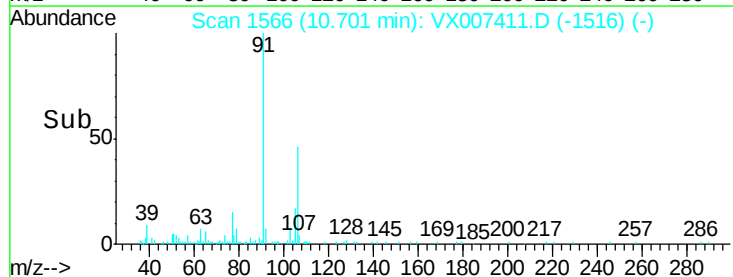
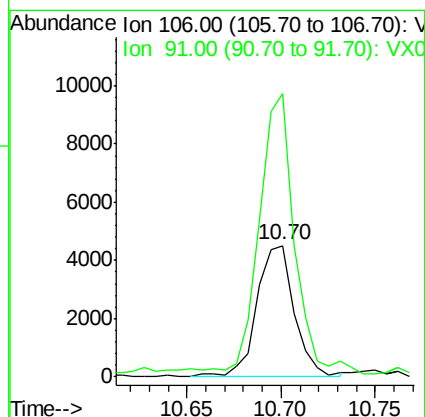
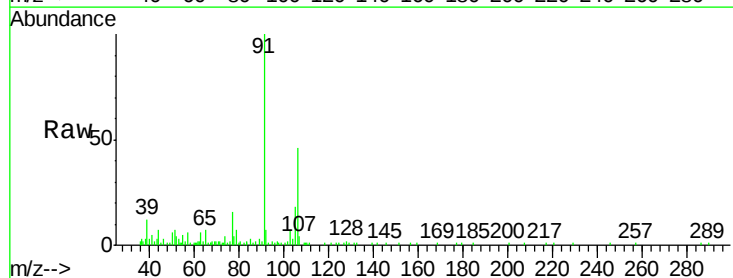
Acq: 06 Feb 2019 20:24

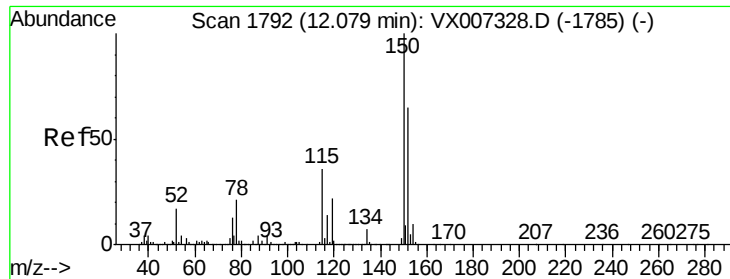
Tgt Ion:106 Resp: 6224

Ion Ratio Lower Upper

106 100

91 198.0 102.9 308.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007411.D

Acq: 06 Feb 2019 20:24

Instrument :

MSVOA_X

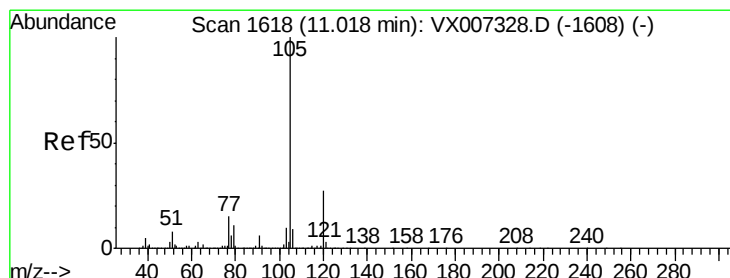
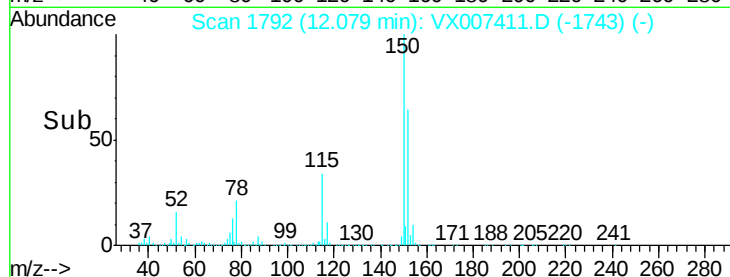
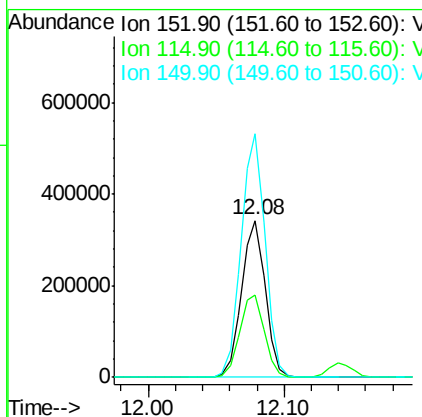
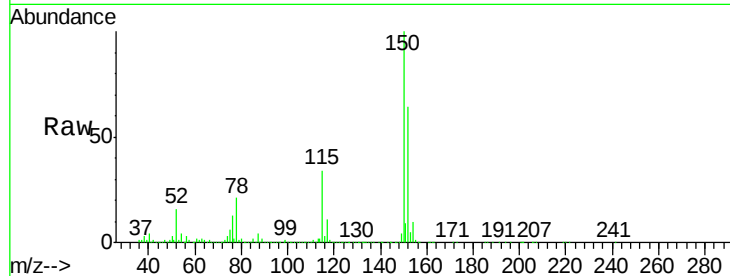
ClientSampleId :

TW-1

Tot Ion:	152	Resp:	415310
Ion Ratio	Lower	Upper	
152	100		
115	54.3	38.0	114.0
150	156.9	0.0	346.4

Manual Integrations
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#73

Isopropylbenzene

Concen: 5.962 ug/l

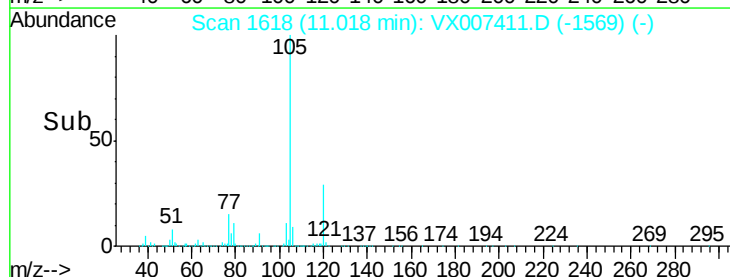
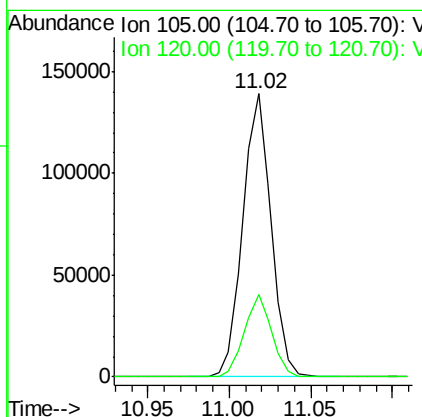
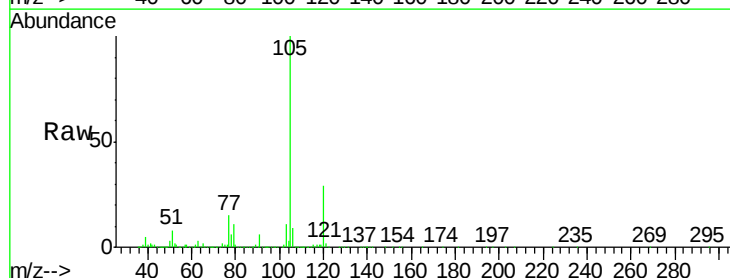
RT: 11.02 min Scan# 1618

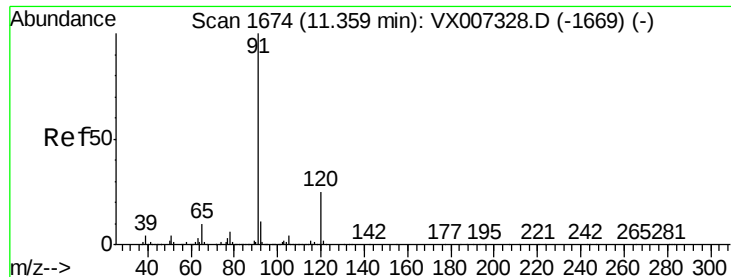
Delta R.T. -0.00 min

Lab File: VX007411.D

Acq: 06 Feb 2019 20:24

Tgt Ion:	105	Resp:	168274
Ion Ratio	Lower	Upper	
105	100		
120	28.2	13.6	40.7





#78

n-propylbenzene

Concen: 10.664 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007411.D

Acq: 06 Feb 2019 20:24

Instrument :

MSVOA_X

ClientSampled :

TW-1

Tot Ion: 91 Resp: 330038

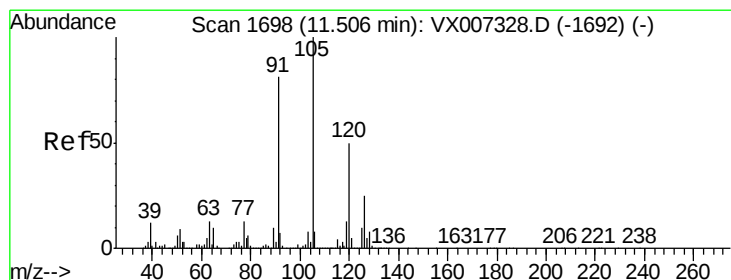
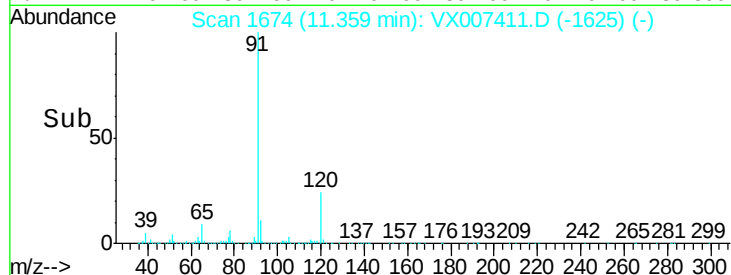
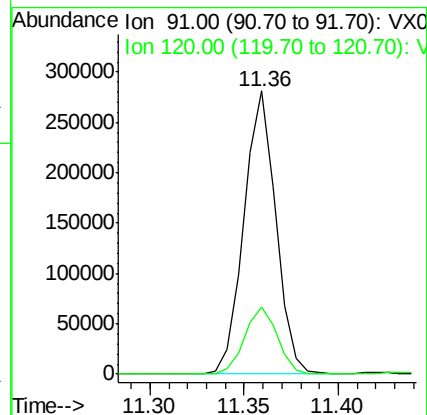
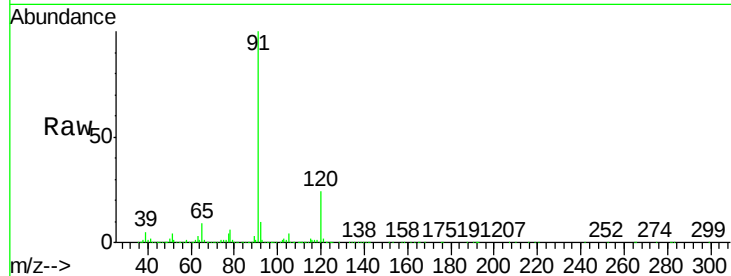
Ion Ratio Lower Upper

91 100

120 24.3 12.4 37.2

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 0.428 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007411.D

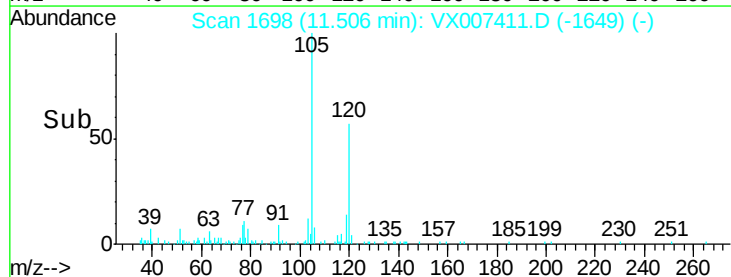
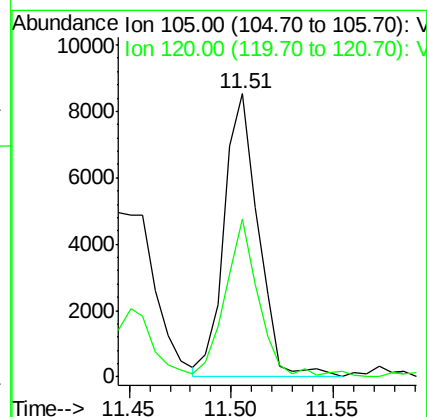
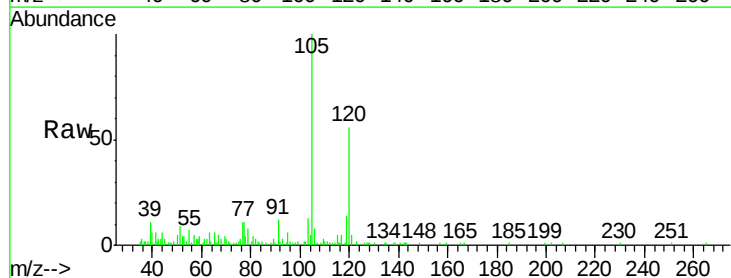
Acq: 06 Feb 2019 20:24

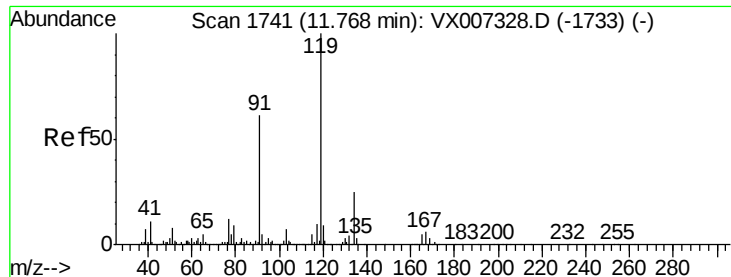
Tgt Ion:105 Resp: 9887

Ion Ratio Lower Upper

105 100

120 55.3 25.3 75.8





#83

tert-Butylbenzene

Concen: 1.871 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX007411.D

Acq: 06 Feb 2019 20:24

Instrument :

MSVOA_X

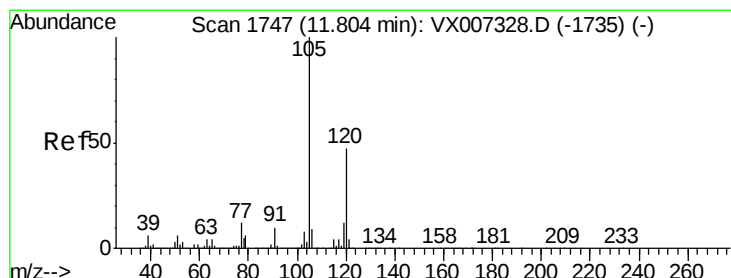
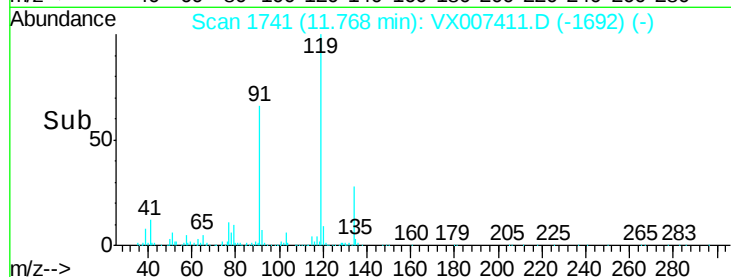
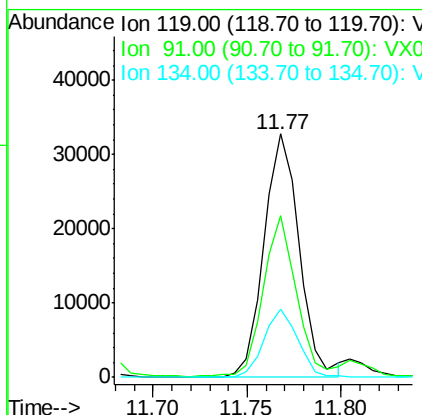
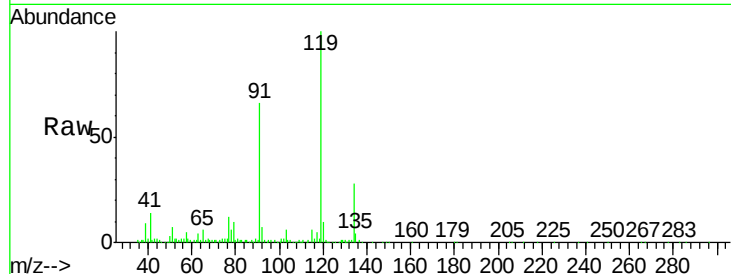
ClientSampled :

TW-1

Tot Ion:	119	Resp:	42768
Ion Ratio	Lower	Upper	
119	100		
91	61.0	28.5	85.6
134	26.7	12.0	36.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 1.123 ug/l

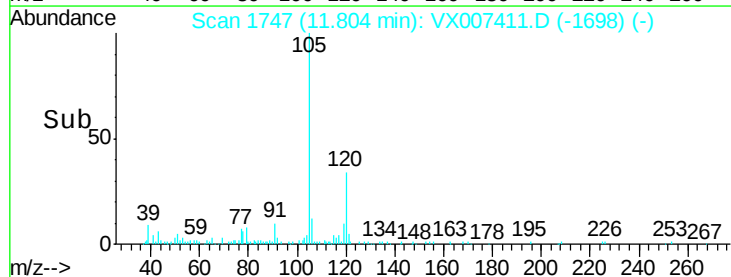
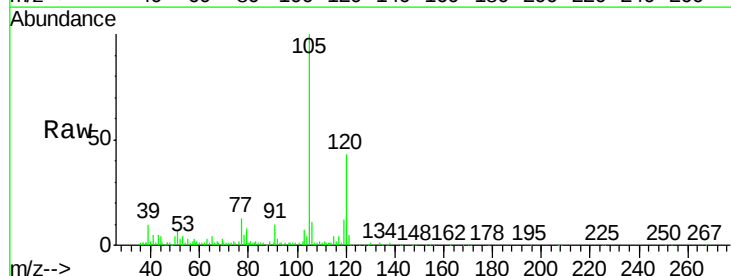
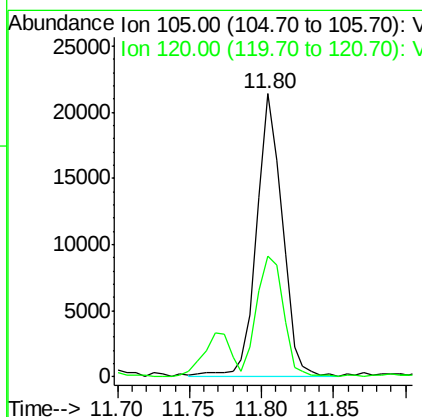
RT: 11.80 min Scan# 1747

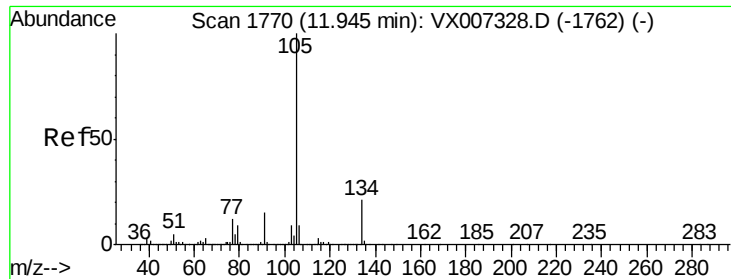
Delta R.T. -0.00 min

Lab File: VX007411.D

Acq: 06 Feb 2019 20:24

Tgt Ion:	105	Resp:	26335
Ion Ratio	Lower	Upper	
105	100		
120	43.6	23.1	69.3





#85

sec-Butylbenzene

Concen: 1.506 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007411.D

Acq: 06 Feb 2019 20:24

Instrument :

MSVOA_X

ClientSampled :

TW-1

Tot Ion: 105 Resp: 41672

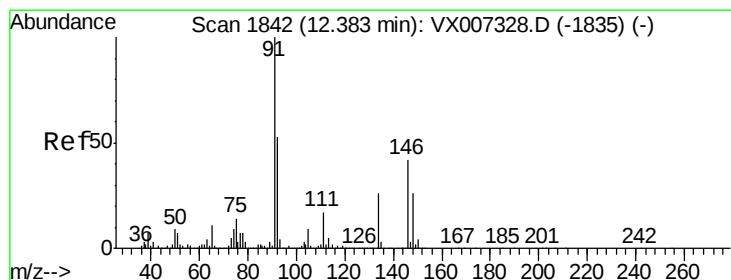
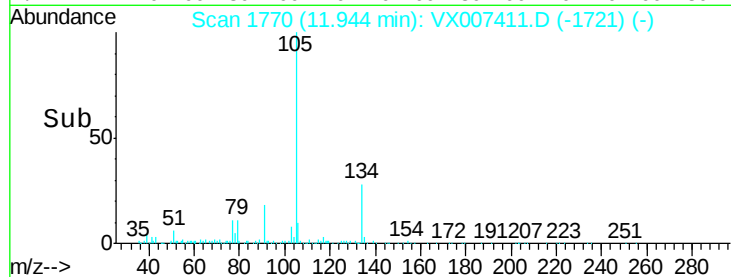
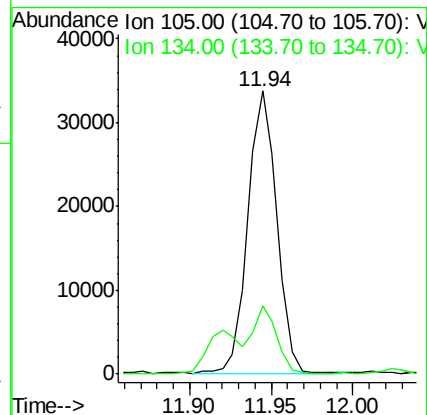
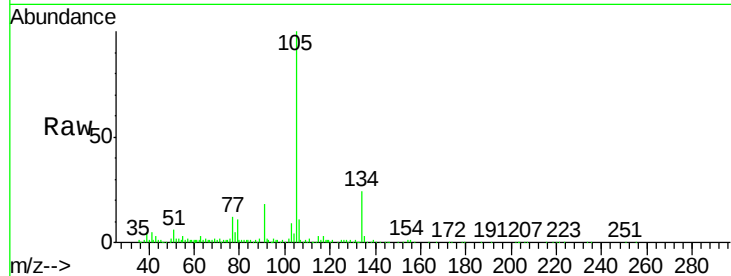
Ion Ratio Lower Upper

105 100

134 20.3 10.6 31.8

Manual Integrations
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#89

n-Butylbenzene

Concen: 1.371 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX007411.D

Acq: 06 Feb 2019 20:24

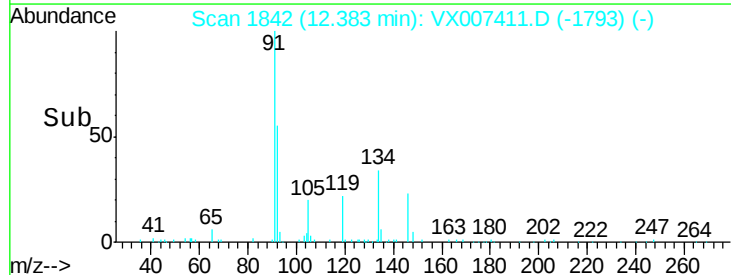
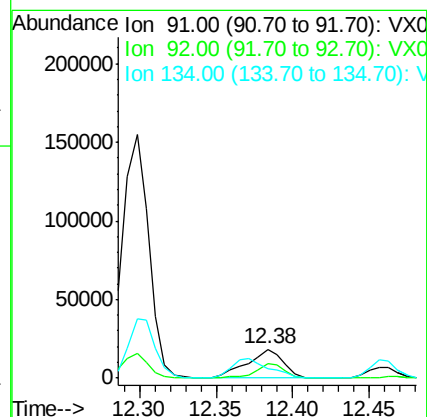
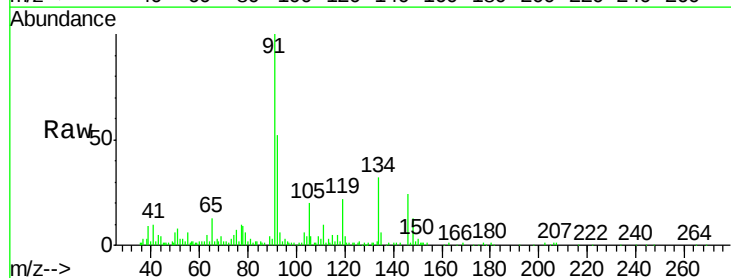
Tgt Ion: 91 Resp: 29447

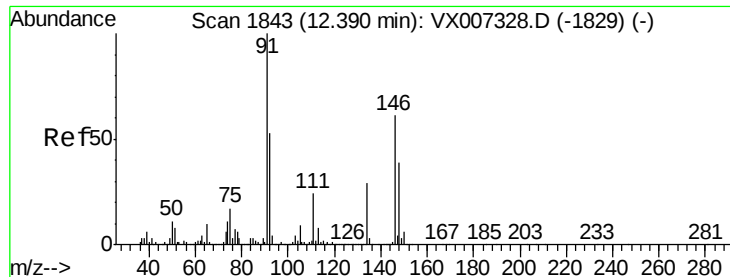
Ion Ratio Lower Upper

91 100

92 39.7 26.3 78.9

134 70.7 13.9 41.6#





#91

1,2-Dichlorobenzene

Concen: 0.592 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX007411.D

Acq: 06 Feb 2019 20:24

Instrument :

MSVOA_X

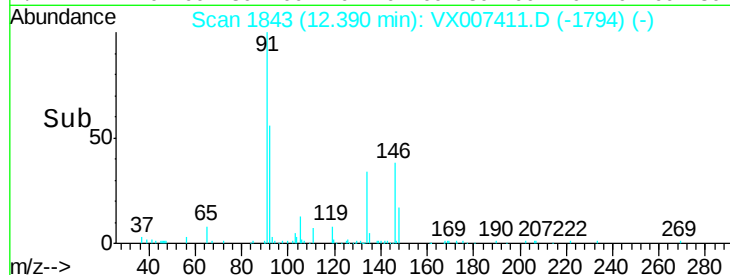
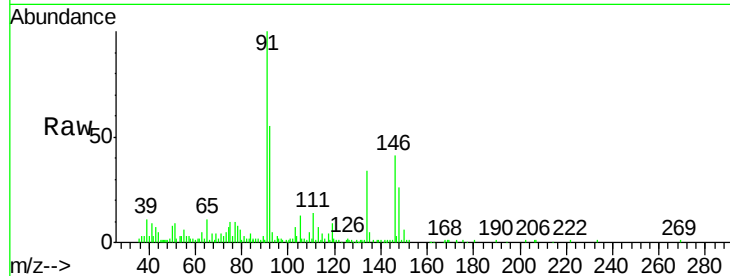
ClientSampled :

TW-1

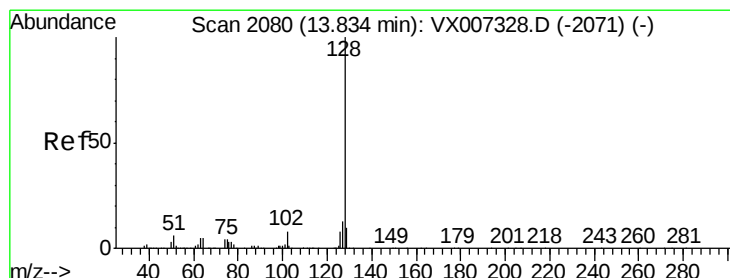
Tot Ion:	146	Resp:	8412
Ion Ratio	Lower	Upper	
146	100		
111	37.6	19.1	57.3
148	64.3	32.1	96.3

Manual Integrations
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2/7/2019 9:53:16 AM



Time-->



#95

Naphthalene

Concen: 1.288 ug/l

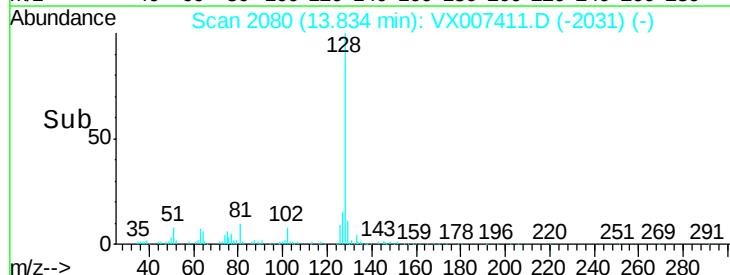
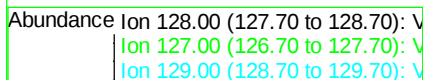
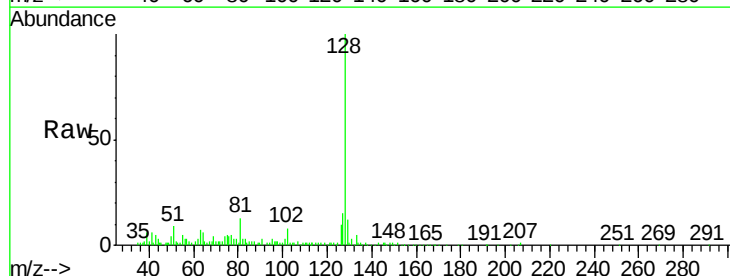
RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007411.D

Acq: 06 Feb 2019 20:24

Tgt Ion:	128	Resp:	36074
Ion Ratio	Lower	Upper	
128	100		
127	16.1	10.5	15.7#
129	16.5	8.7	13.1#



Time-->