

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081919\
 Data File : VX011626.D
 Acq On : 19 Aug 2019 12:58
 Operator : JC/SP
 Sample : K4351-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0142

Manual Integrations
 APPROVED

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 8/20/2019 3:41:24 PM

Quant Time: Aug 20 10:33:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	448486	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	609675	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	538326	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	285610	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	200960	48.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.64%	
35) Dibromofluoromethane	5.49	113	177105	44.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.82%	
50) Toluene-d8	8.71	98	707073	56.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.82%	
62) 4-Bromofluorobenzene	11.13	95	248739	47.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.86%	
Target Compounds						
					Qvalue	
25) 2-Butanone	4.67	43	16905	5.149	ug/l	91
31) Cyclohexane	5.58	56	4980126	807.558	ug/l	96
39) Methylcyclohexane	7.46	83	4731309	734.989	ug/l	98
52) Toluene	8.79	92	6794023	658.336	ug/l	93
67) Ethyl Benzene	10.25	91	19953956m	1041.309	ug/l	
68) m/p-Xylenes	10.37	106	25893355m	3520.259	ug/l	
69) o-Xylene	10.71	106	6567468	911.518	ug/l	86
73) Isopropylbenzene	11.02	105	3104930	167.537	ug/l	99
78) n-propylbenzene	11.36	91	3021846	151.213	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	3426720	220.110	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	8485753	542.938	ug/l	97
85) sec-Butylbenzene	11.94	105	177189m	9.905	ug/l	
86) p-Isopropyltoluene	12.06	119	162609	9.662	ug/l	98
95) Naphthalene	13.83	128	2164824	108.025	ug/l	100

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

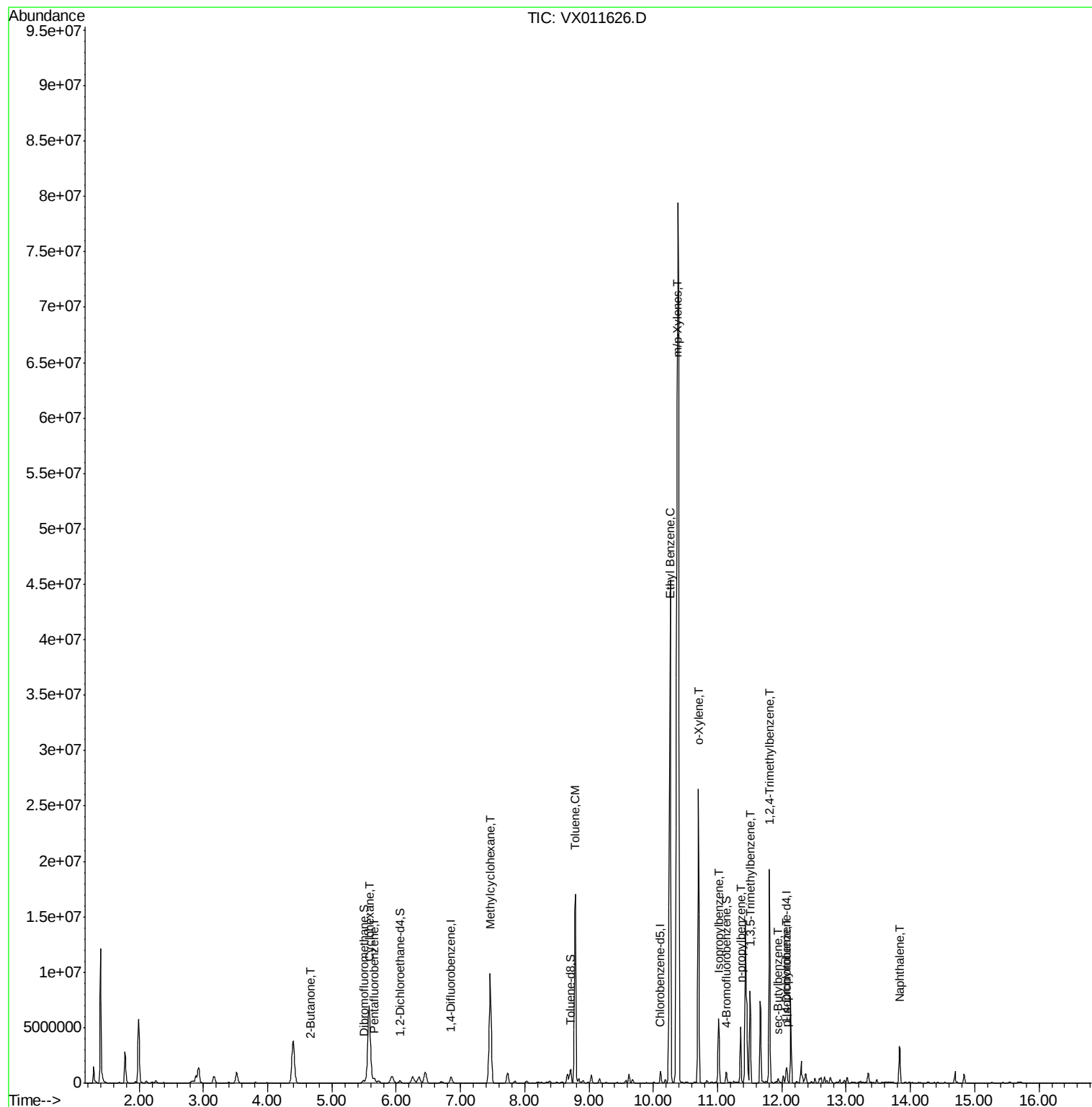
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX081919\
Data File : VX011626.D
Acq On : 19 Aug 2019 12:58
Operator : JC/SP
Sample : K4351-01
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ALS Vial : 9 Sample Multiplier: 1

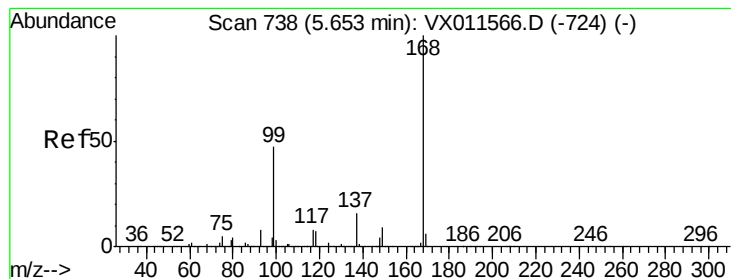
Instrument :
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Quant Time: Aug 20 10:33:12 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 16 04:15:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011626.D

Acq: 19 Aug 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

PH2-0142

Tot Ion:168 Resp: 448486

Ion Ratio Lower Upper

168 100

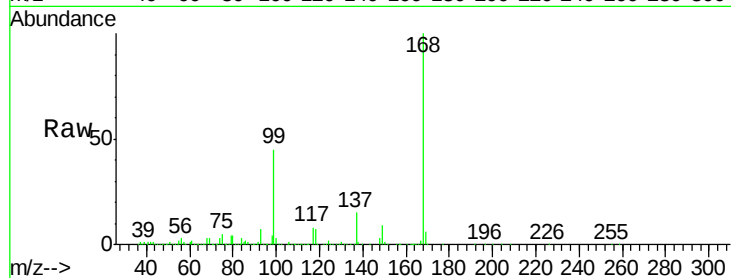
99 45.2 37.3 55.9

Manual Integrations

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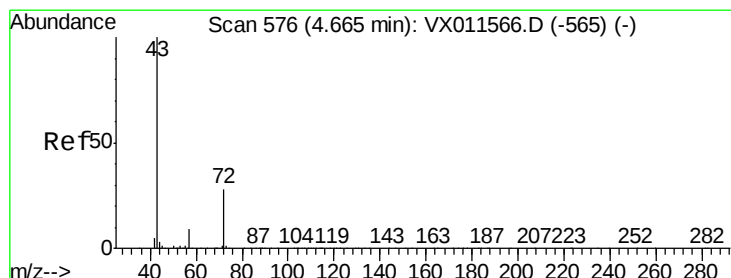
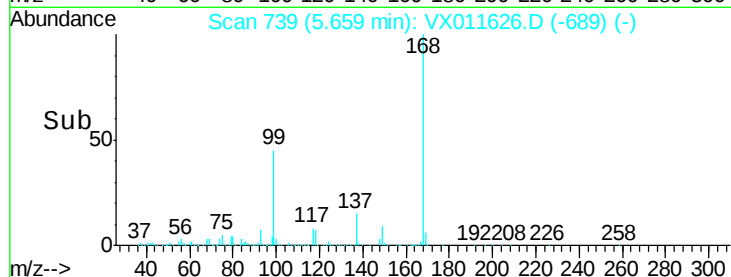
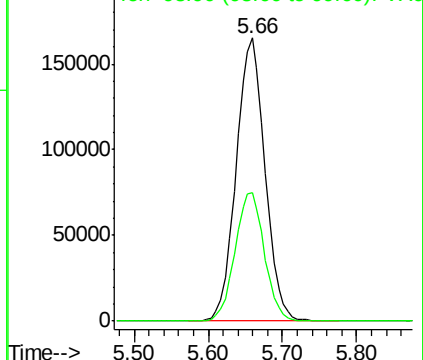
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#25

2-Butanone

Concen: 5.149 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.01 min

Lab File: VX011626.D

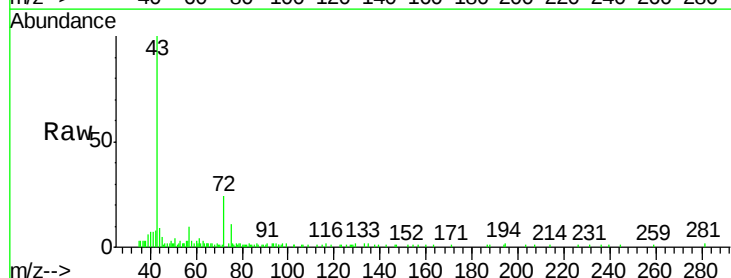
Acq: 19 Aug 2019 12:58

Tgt Ion: 43 Resp: 16905

Ion Ratio Lower Upper

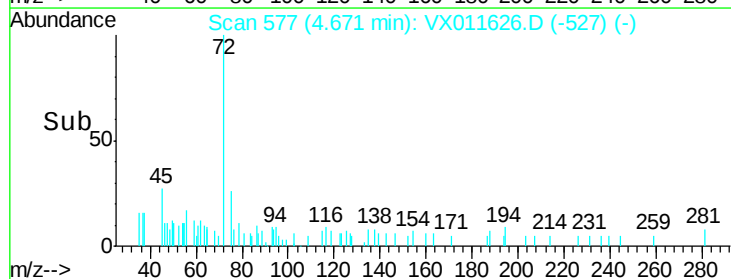
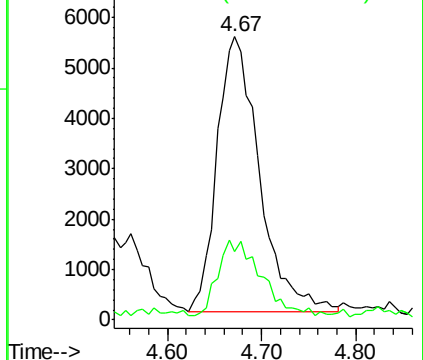
43 100

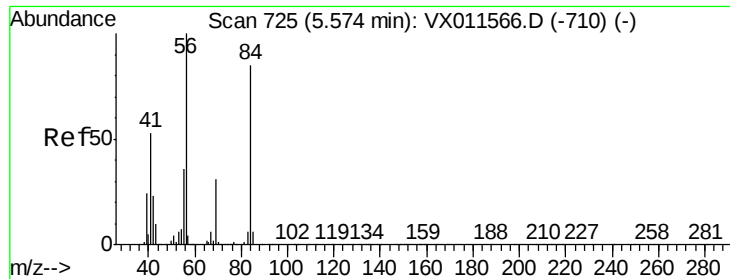
72 23.2 22.2 33.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





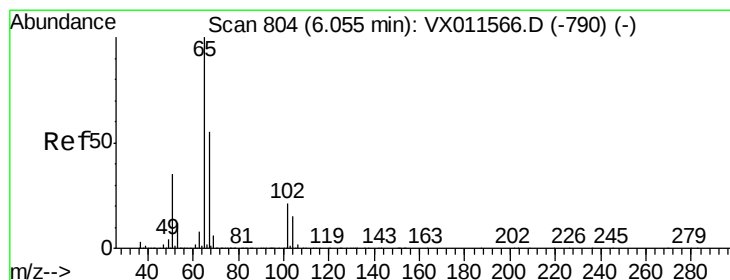
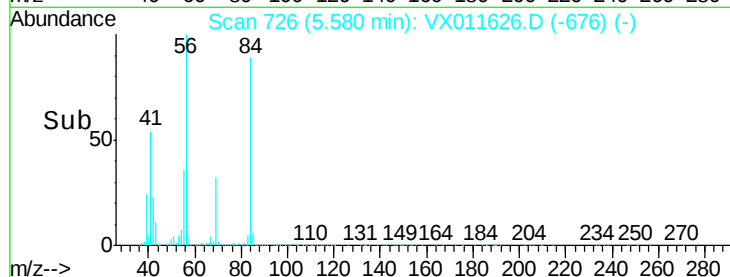
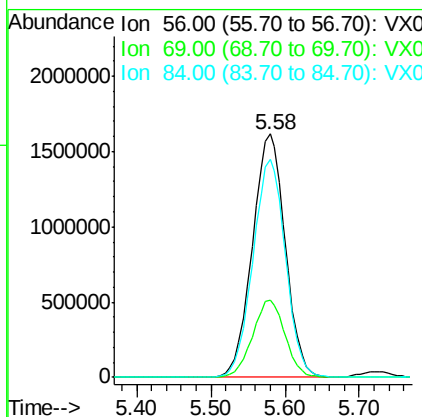
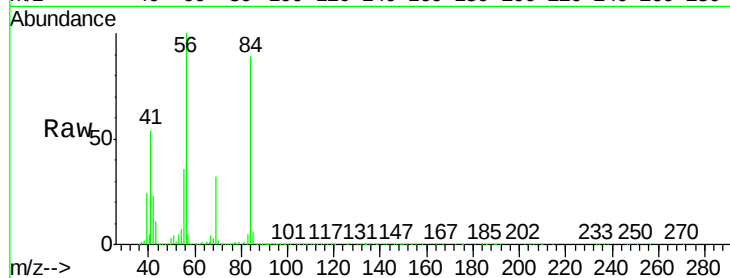
#31
Cyclohexane
Concen: 807.558 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX011626.D
Acq: 19 Aug 2019 12:58

Instrument :
MSVOA_X
ClientSampleId :
PH2-0142

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.9	24.8	37.2
84	89.4	67.9	101.9

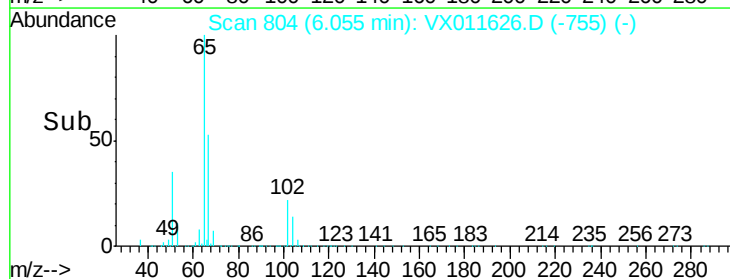
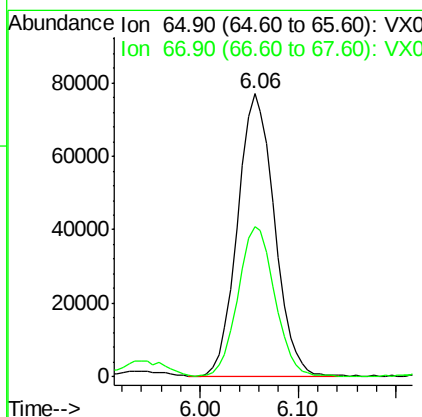
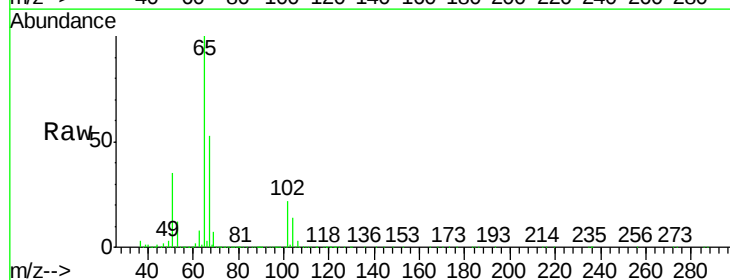
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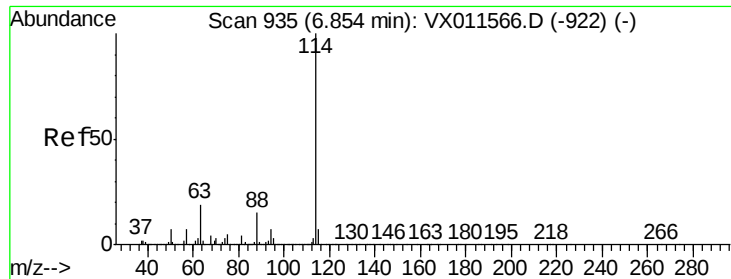
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#33
1,2-Dichloroethane-d4
Concen: 48.318 ug/l
RT: 6.06 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX011626.D
Acq: 19 Aug 2019 12:58

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	107.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011626.D

Acq: 19 Aug 2019 12:58

Instrument :

MSVOA_X

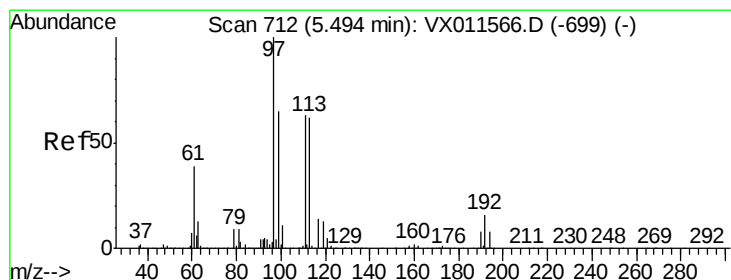
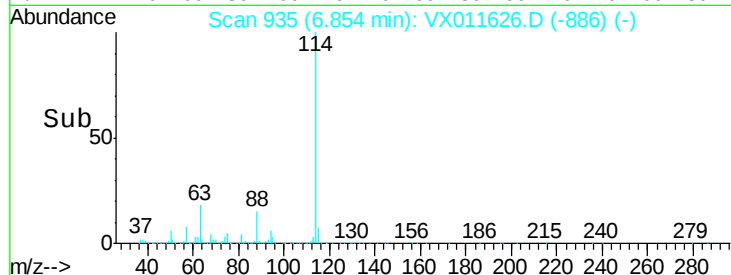
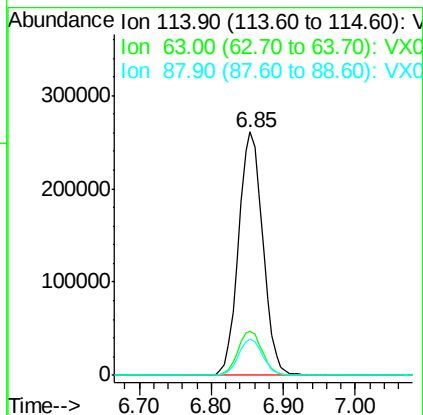
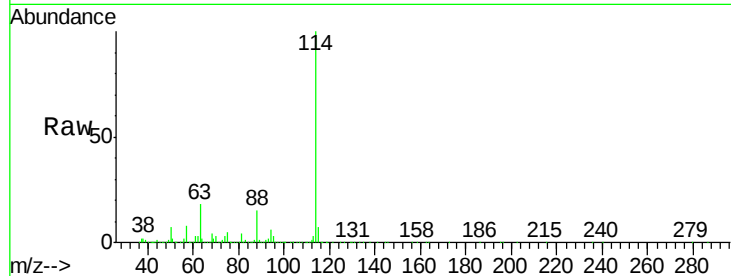
ClientSampleId :

PH2-0142

Tot Ion	Ratio	Resp	Lower	Upper
114	100	609675		
63	17.9		0.0	37.8
88	15.0		0.0	30.2

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#35

Dibromofluoromethane

Concen: 44.413 ug/l

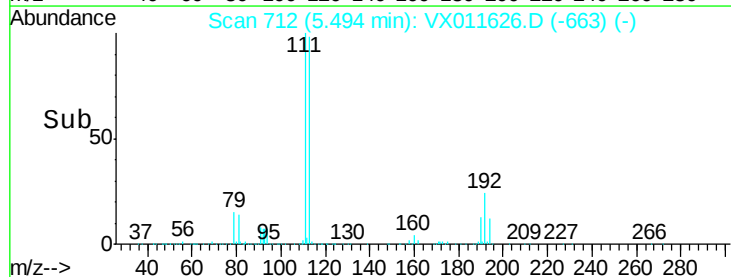
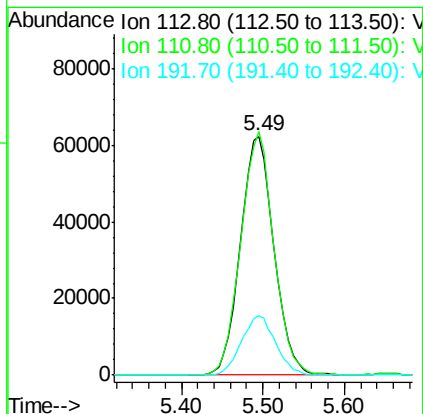
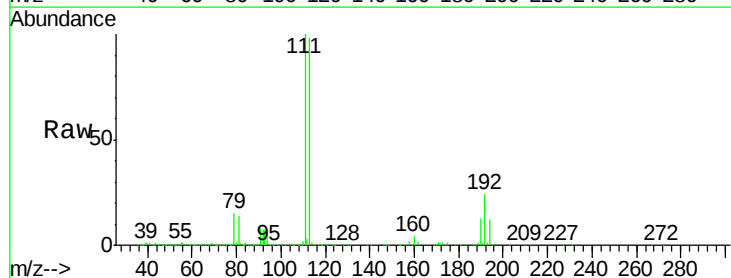
RT: 5.49 min Scan# 712

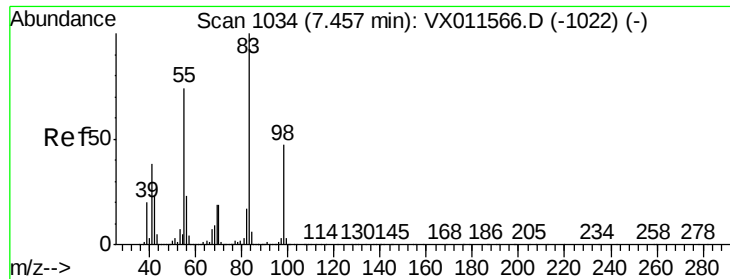
Delta R.T. 0.00 min

Lab File: VX011626.D

Acq: 19 Aug 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	177105		
111	100.7		81.1	121.7
192	25.5		20.8	31.2





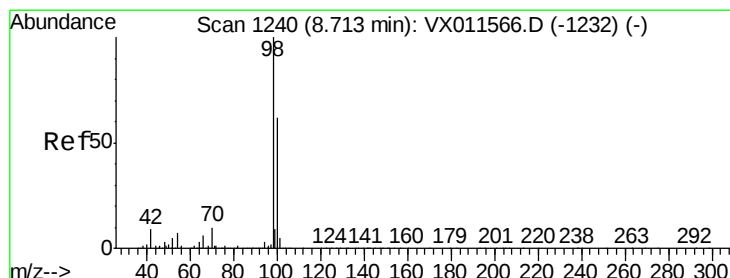
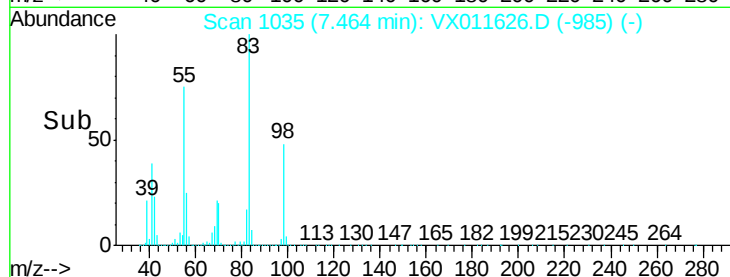
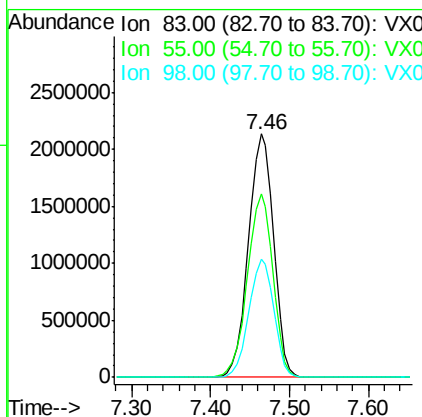
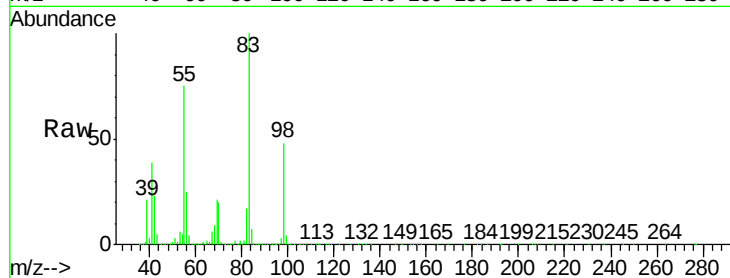
#39
Methvlcvclohexane
Concen: 734.989 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX011626.D
Acq: 19 Aug 2019 12:58

Instrument :
MSVOA_X
ClientSampled :
PH2-0142

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.2	58.8	88.2
98	48.5	37.8	56.6

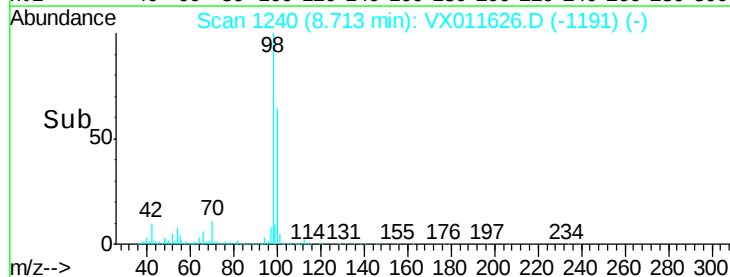
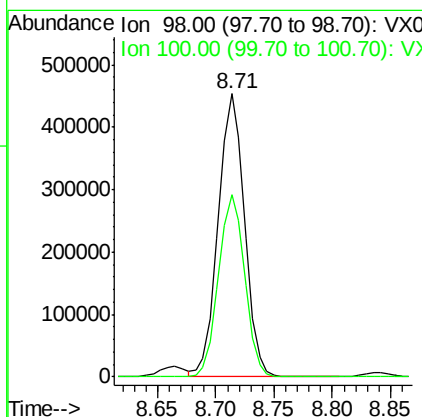
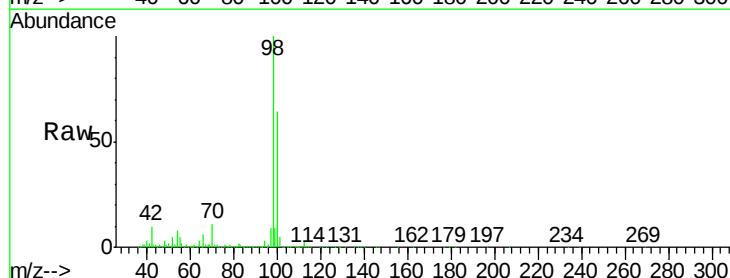
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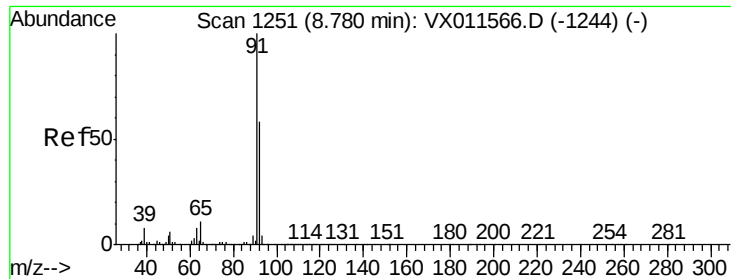
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#50
Toluene-d8
Concen: 56.907 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011626.D
Acq: 19 Aug 2019 12:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.4	78.6





#52

Toluene

Concen: 658.336 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX011626.D

Acq: 19 Aug 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

PH2-0142

Tot Ion: 92 Resp: 6794023

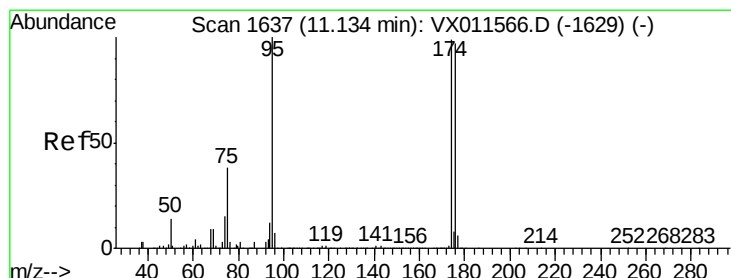
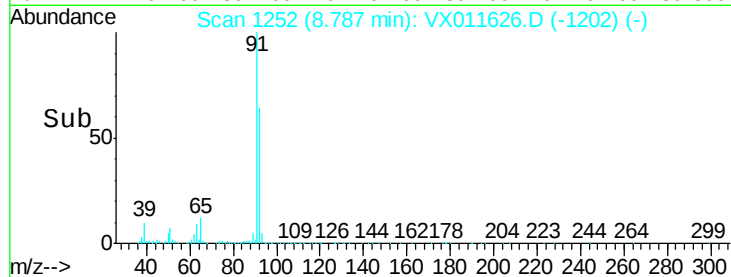
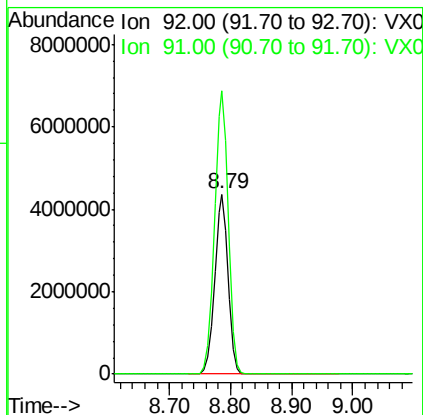
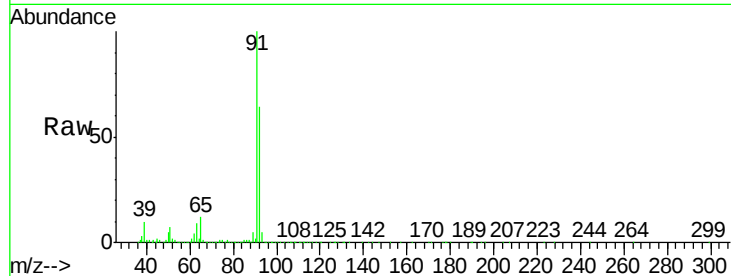
Ion Ratio Lower Upper

92 100

91 162.7 138.0 207.0

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 47.429 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011626.D

Acq: 19 Aug 2019 12:58

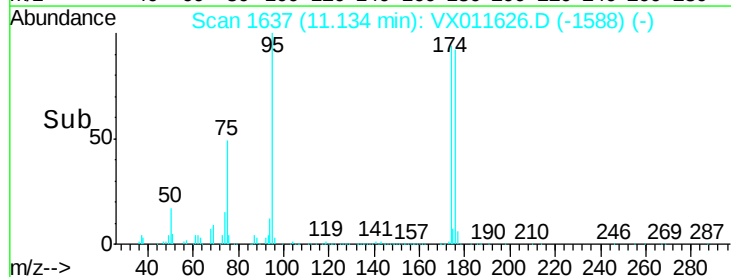
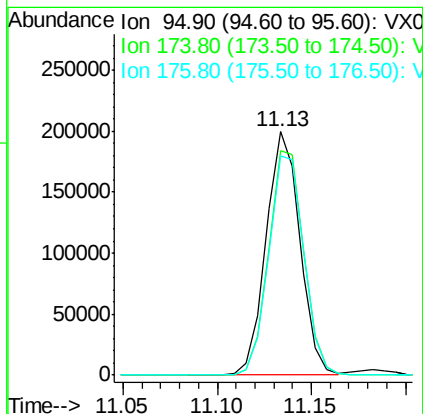
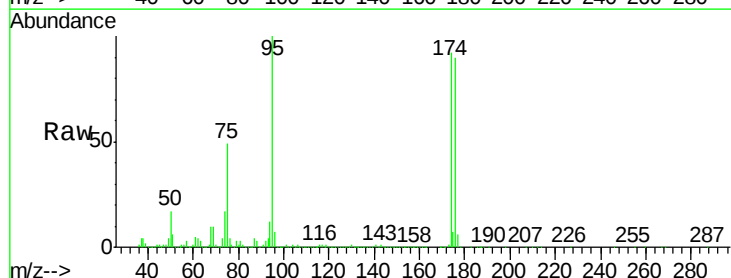
Tgt Ion: 95 Resp: 248739

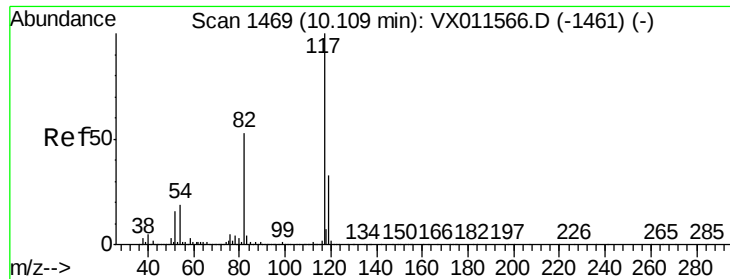
Ion Ratio Lower Upper

95 100

174 95.6 0.0 200.6

176 93.4 0.0 196.6





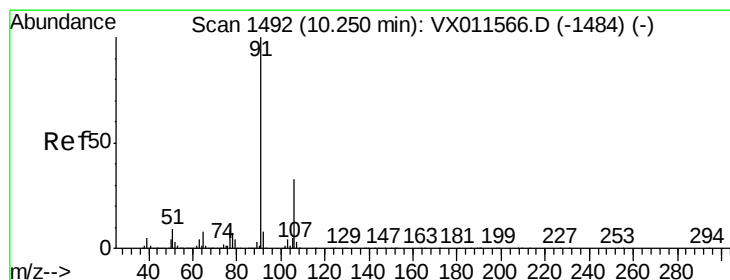
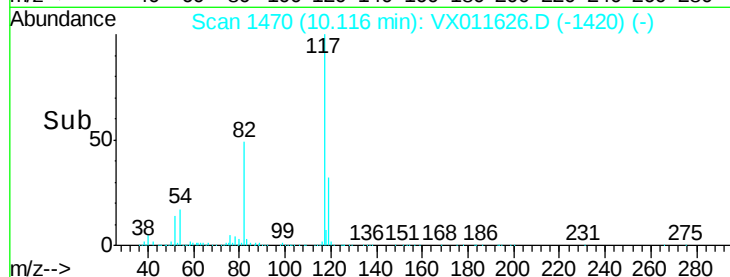
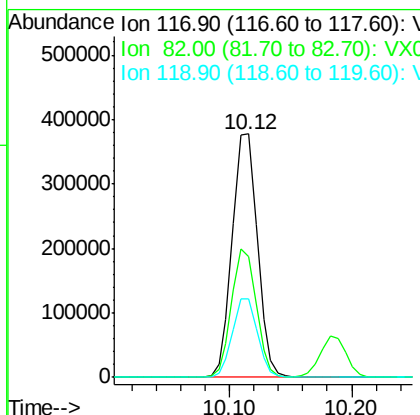
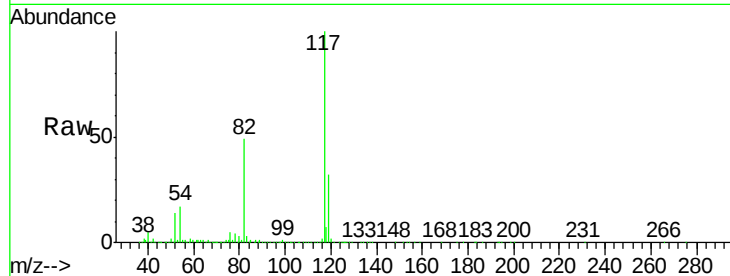
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX011626.D
Acq: 19 Aug 2019 12:58

Instrument :
MSVOA_X
ClientSampleId :
PH2-0142

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.3	42.0	63.0
119	32.5	26.5	39.7

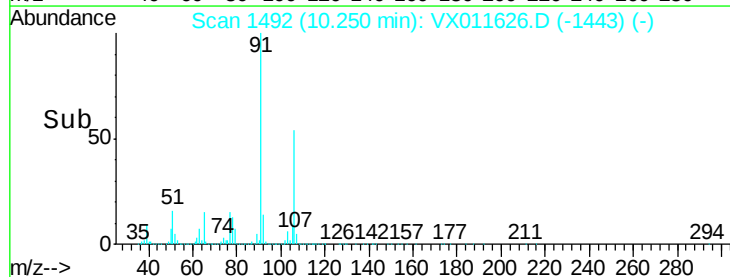
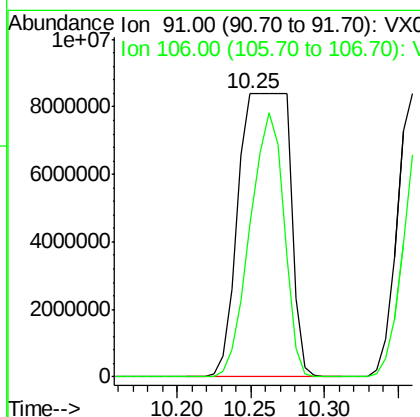
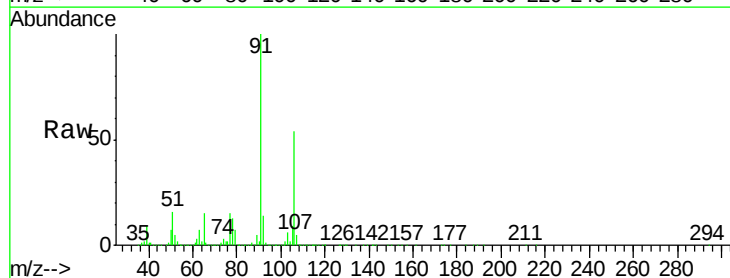
Manual Integrations
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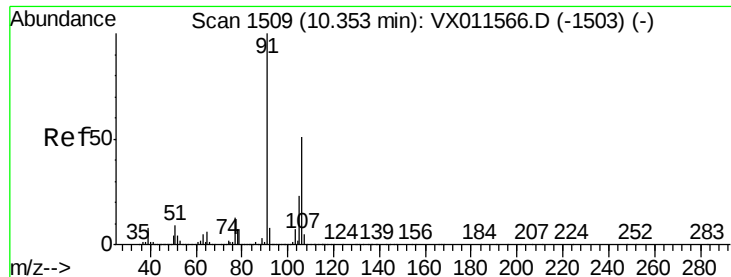
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#67
Ethyl Benzene
Concen: 1041.309 ug/l m
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011626.D
Acq: 19 Aug 2019 12:58

Tgt Ion	Ratio	Lower	Upper
91	100		
106	53.8	26.0	39.0#





#68

m/p-Xylenes

Concen: 3520.259 ug/l m

RT: 10.37 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VX011626.D

Acq: 19 Aug 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

PH2-0142

Tot Ion:106 Resp:25893355

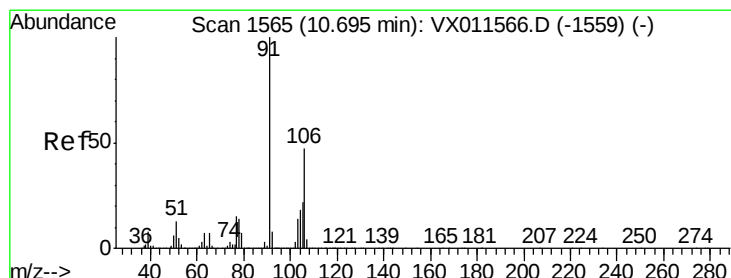
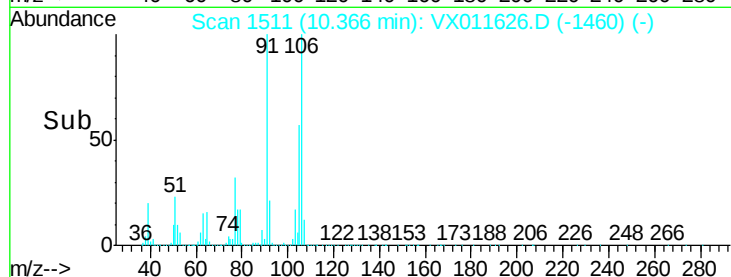
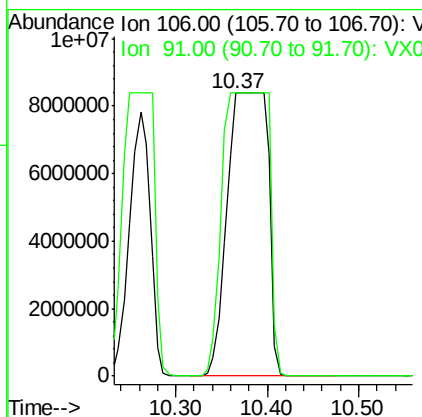
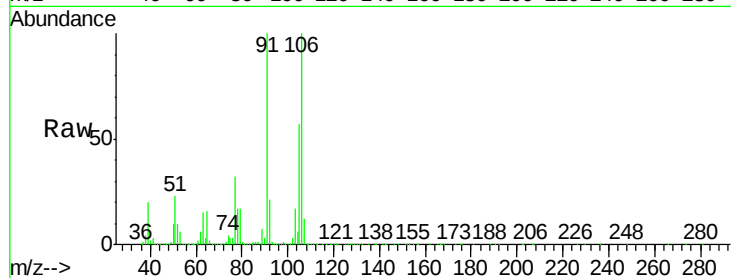
Ion Ratio Lower Upper

106 100

91 0.0 156.0 234.0#

Manual Integrations
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#69

o-Xylene

Concen: 911.518 ug/l

RT: 10.71 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VX011626.D

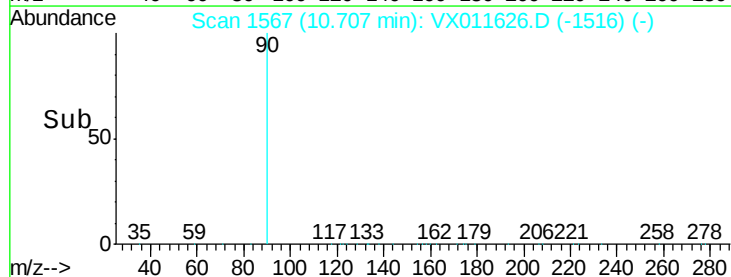
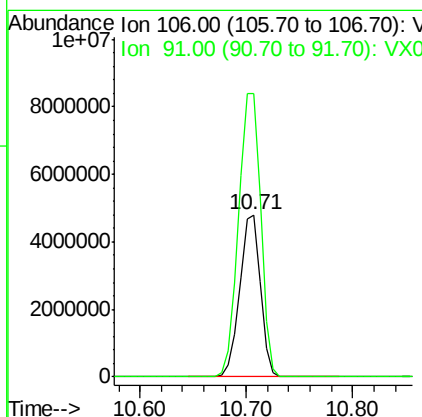
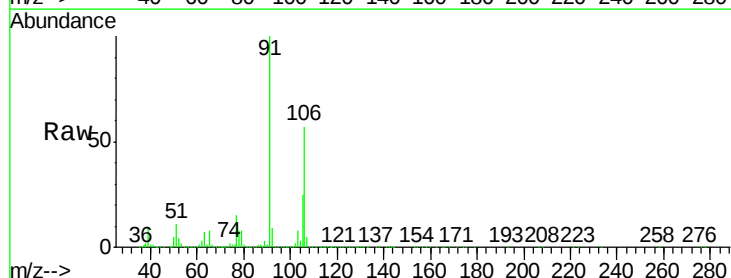
Acq: 19 Aug 2019 12:58

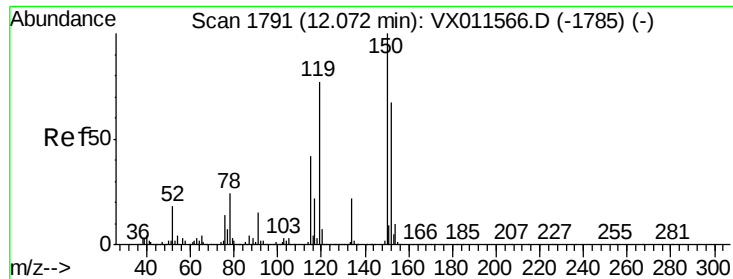
Tgt Ion:106 Resp: 6567468

Ion Ratio Lower Upper

106 100

91 188.4 105.5 316.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX011626.D

Acq: 19 Aug 2019 12:58

Instrument :

MSVOA_X

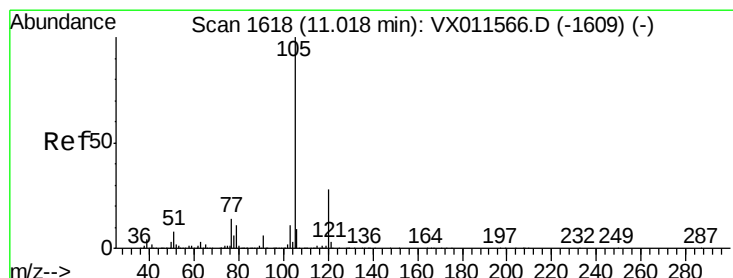
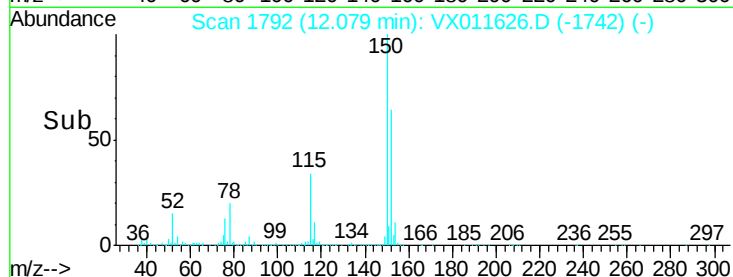
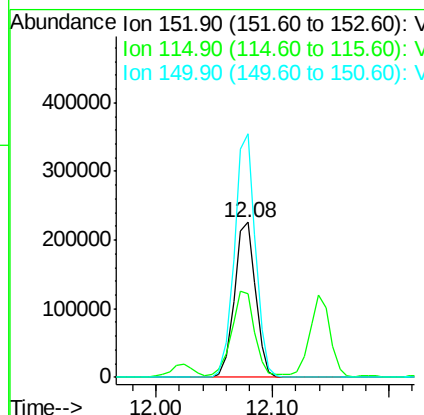
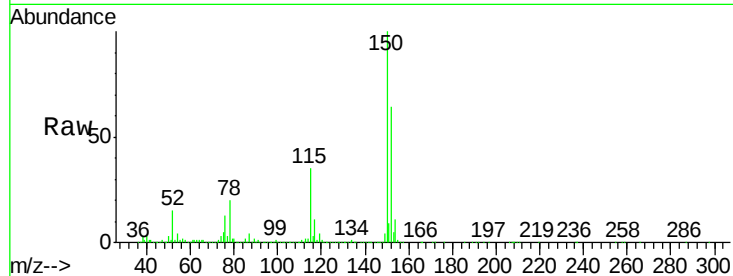
ClientSampleId :

PH2-0142

Tot Ion	Ratio	Resp	Lower	Upper
152	100	285610		
115	61.1	37.3	111.9	
150	155.5	0.0	346.2	

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#73

Isopropylbenzene

Concen: 167.537 ug/l

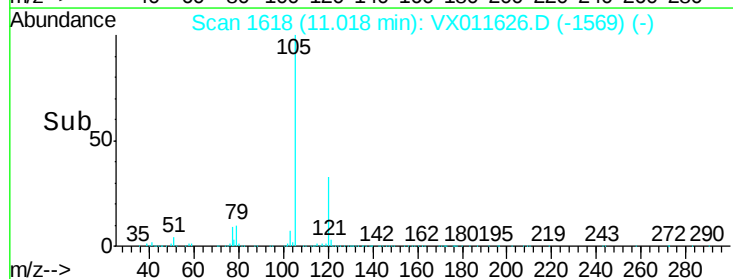
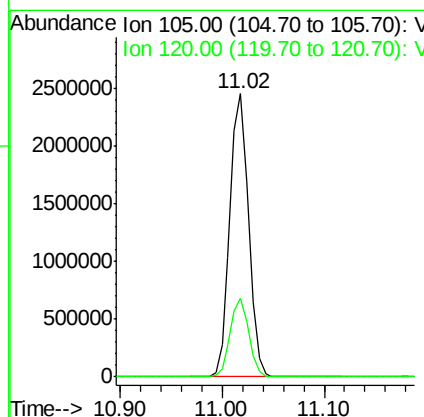
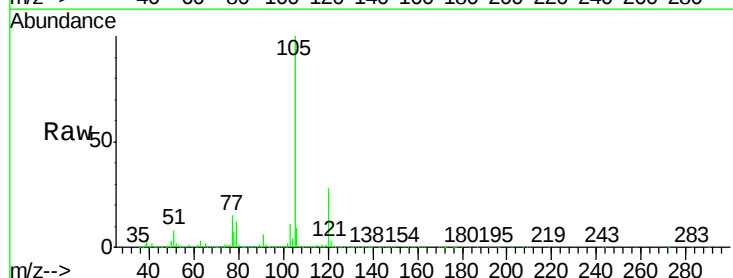
RT: 11.02 min Scan# 1618

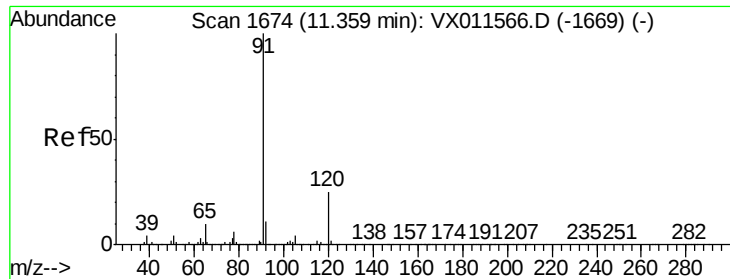
Delta R.T. 0.00 min

Lab File: VX011626.D

Acq: 19 Aug 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	3104930		
120	27.4	14.0	41.9	





#78

n-propylbenzene

Concen: 151.213 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011626.D

Acq: 19 Aug 2019 12:58

Instrument :

MSVOA_X

ClientSampled :

PH2-0142

Tot Ion: 91 Resp: 3021846

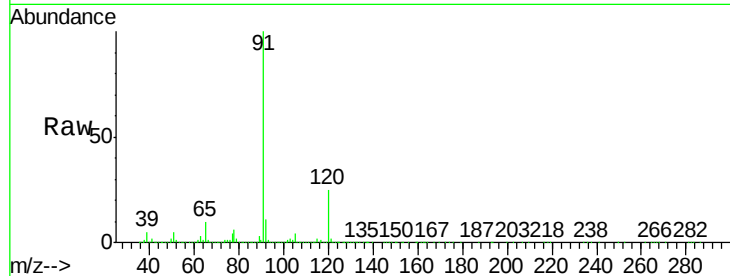
Ion Ratio Lower Upper

91 100

120 24.2 12.6 37.6

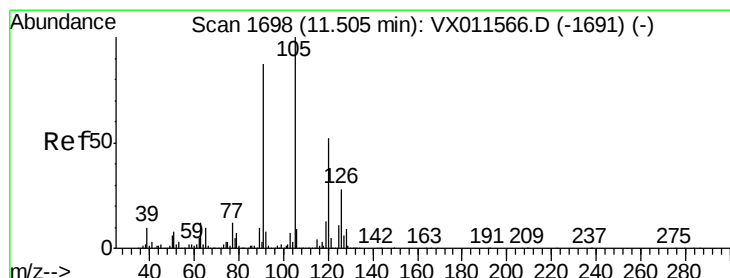
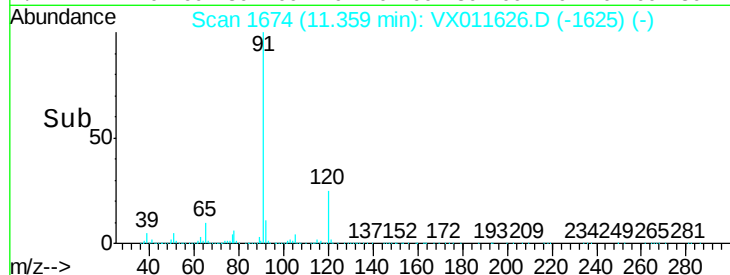
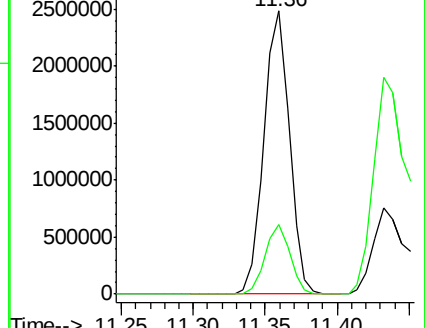
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX011566.D (-1669) (-)

Ion 120.00 (119.70 to 120.70): VX011566.D (-1669) (-)



#80

1,3,5-Trimethylbenzene

Concen: 220.110 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011626.D

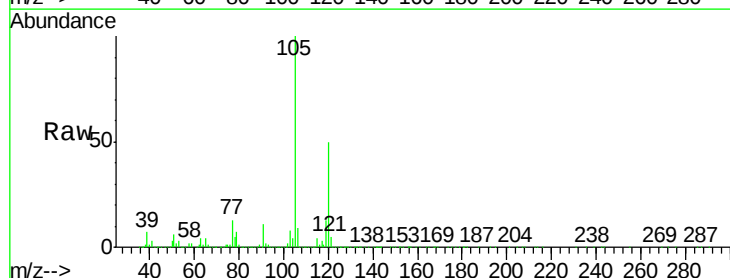
Acq: 19 Aug 2019 12:58

Tgt Ion: 105 Resp: 3426720

Ion Ratio Lower Upper

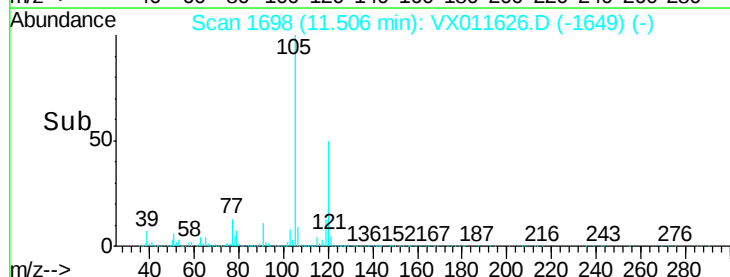
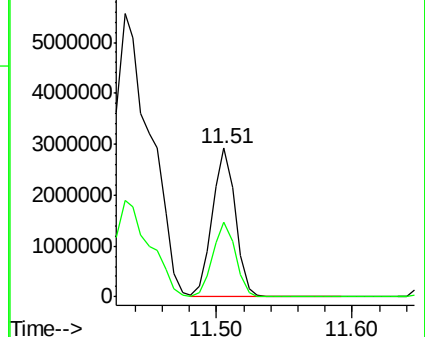
105 100

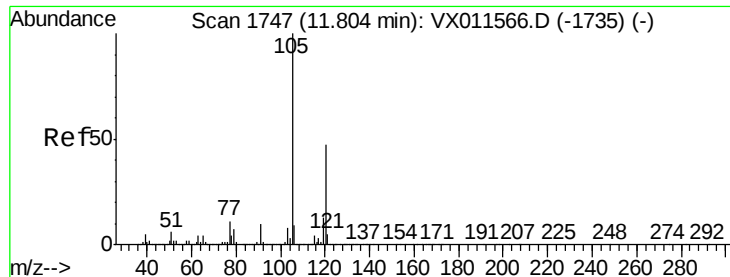
120 49.8 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VX011566.D (-1691) (-)

Ion 120.00 (119.70 to 120.70): VX011566.D (-1691) (-)





#84

1,2,4-Trimethylbenzene

Concen: 542.938 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VX011626.D

Acq: 19 Aug 2019 12:58

Instrument :

MSVOA_X

ClientSampleId :

PH2-0142

Tot Ion:105 Resp: 8485753

Ion Ratio Lower Upper

105 100

120 48.8

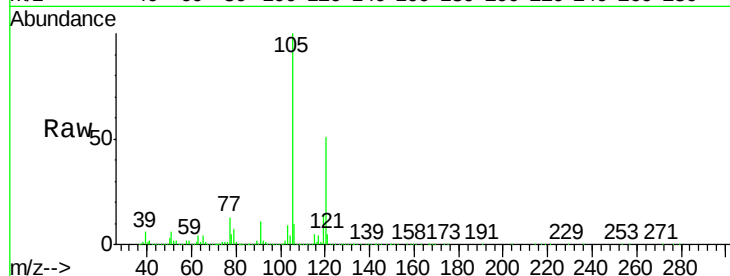
23.3

69.9

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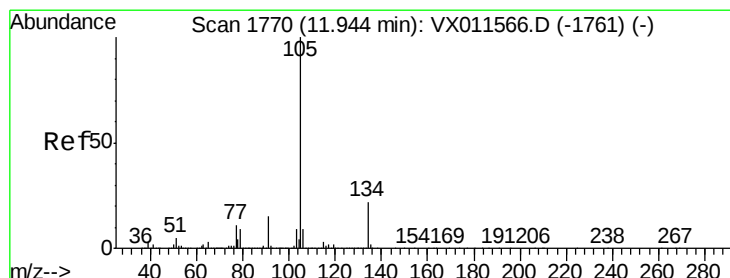
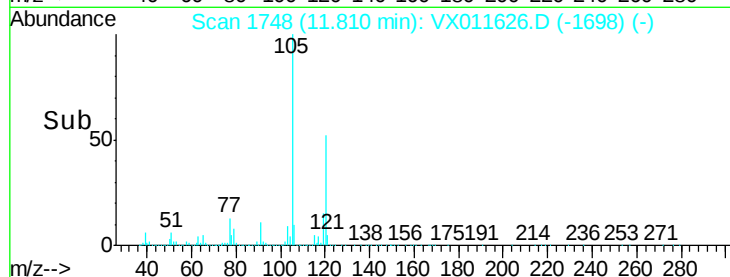
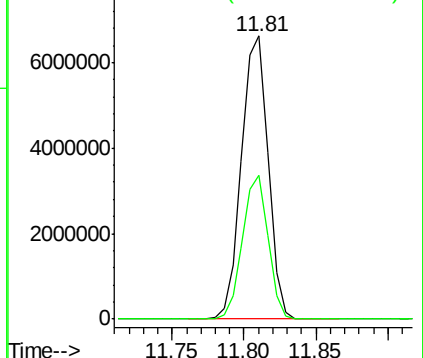
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 9.905 ug/l m

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011626.D

Acq: 19 Aug 2019 12:58

Tgt Ion:105 Resp: 177189

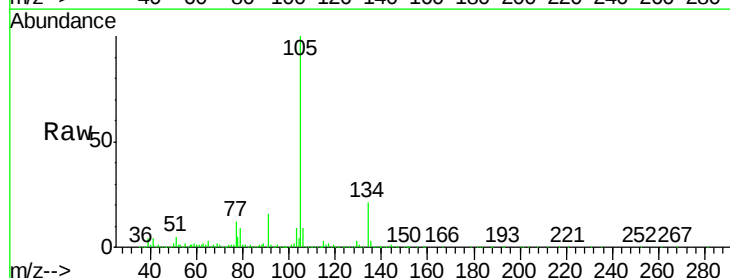
Ion Ratio Lower Upper

105 100

134 0.0

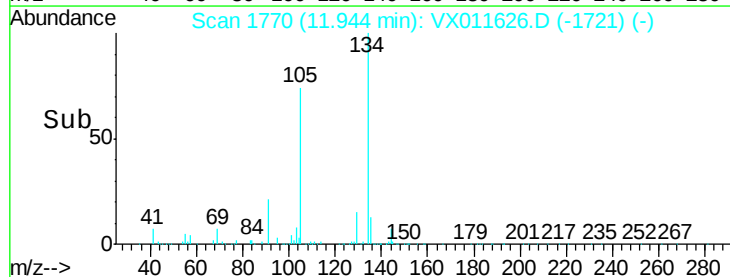
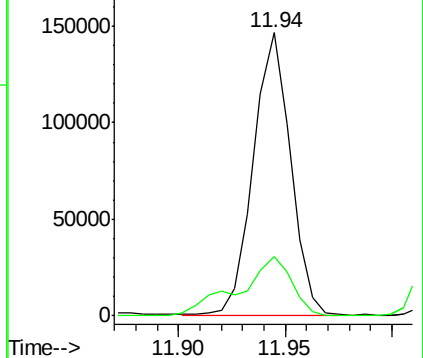
10.8

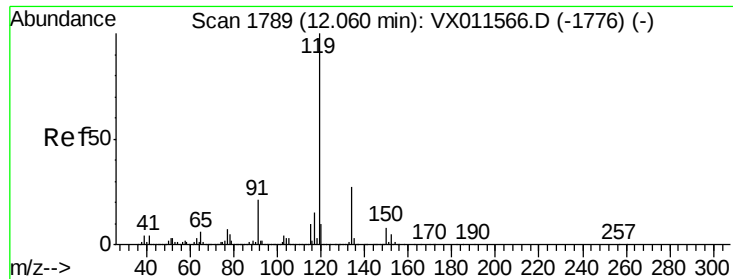
32.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





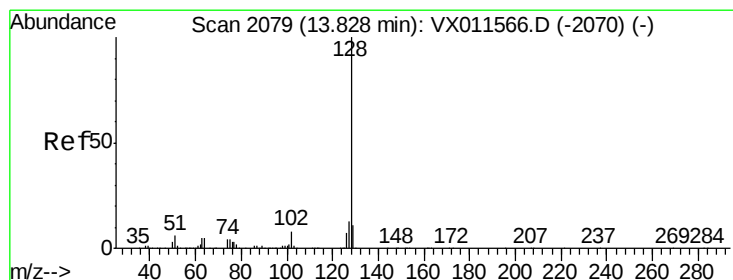
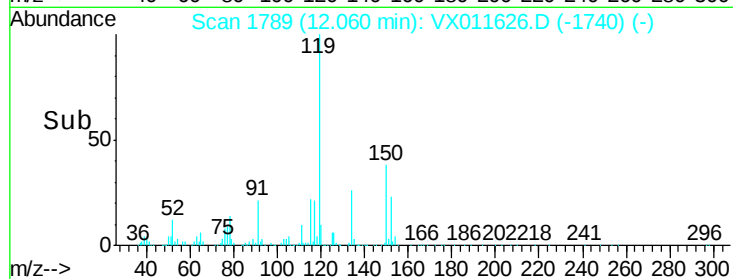
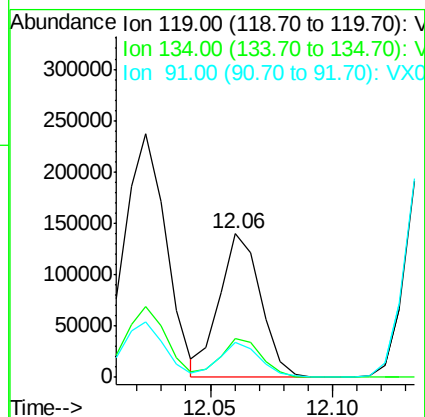
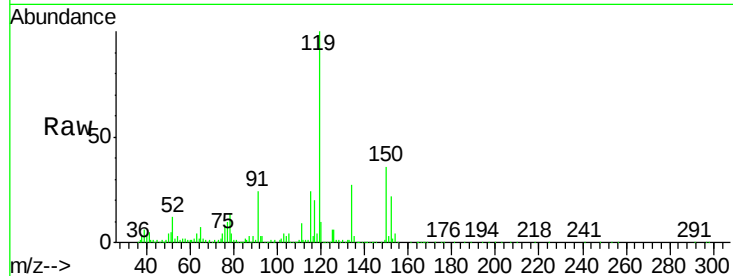
#86
p-Isopropyltoluene
Concen: 9.662 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX011626.D
Acq: 19 Aug 2019 12:58

Instrument :
MSVOA_X
ClientSampleId :
PH2-0142

Tot Ion	Ratio	Resp	Lower	Upper
119	100	162609		
134	27.0		13.6	40.8
91	23.6		10.9	32.9

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#95
Naphthalene
Concen: 108.025 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VX011626.D
Acq: 19 Aug 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	2164824		
127	13.1		10.3	15.5
129	11.0		8.7	13.1

