

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX043019\
 Data File : VX009247.D
 Acq On : 30 Apr 2019 15:41
 Operator : JC/SP
 Sample : K2617-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SUMP-PIT

Manual Integrations
 APPROVED

MMDadoda
 5/1/2019 10:24:42 AM

Quant Time: May 01 02:34:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	203186	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	328914	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	290953	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	132443	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	134362	48.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.88%	
35) Dibromofluoromethane	5.50	113	98584	47.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.36%	
50) Toluene-d8	8.71	98	414293	49.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.26%	
62) 4-Bromofluorobenzene	11.13	95	142358	46.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.86%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.04	59	26640	41.492	ug/l	97
16) Acetone	2.44	43	45126	30.298	ug/l	97
25) 2-Butanone	4.68	43	31592	13.650	ug/l	97
31) Cyclohexane	5.57	56	2524	0.615	ug/l #	84
39) Methylcyclohexane	7.46	83	2967	0.790	ug/l #	87
40) Benzene	6.15	78	43614	4.610	ug/l	98
52) Toluene	8.79	92	716844	124.661	ug/l	99
67) Ethyl Benzene	10.25	91	413735	38.625	ug/l	100
68) m/p-Xylenes	10.36	106	686099	175.276	ug/l	98
69) o-Xylene	10.70	106	371966	96.311	ug/l	100
73) Isopropylbenzene	11.02	105	27352	2.840	ug/l	98
78) n-propylbenzene	11.36	91	110515	10.048	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	175689	21.665	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	845932	103.925	ug/l	99
85) sec-Butylbenzene	11.94	105	5194m	0.555	ug/l	
86) p-Isopropyltoluene	12.07	119	3626	0.431	ug/l #	72
95) Naphthalene	13.83	128	435681	45.117	ug/l	100

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

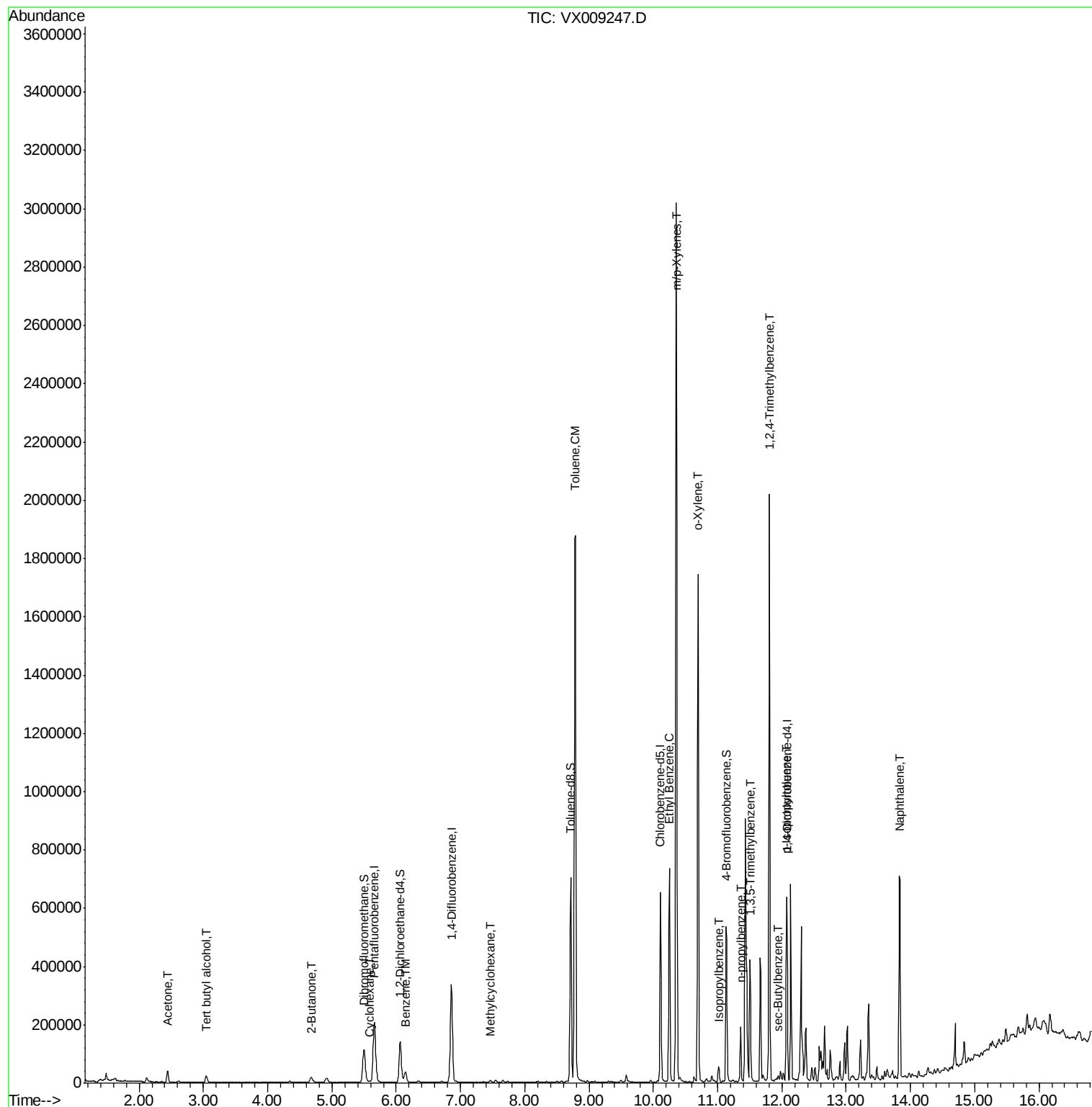
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX043019\
Data File : VX009247.D
Acq On : 30 Apr 2019 15:41
Operator : JC/SP
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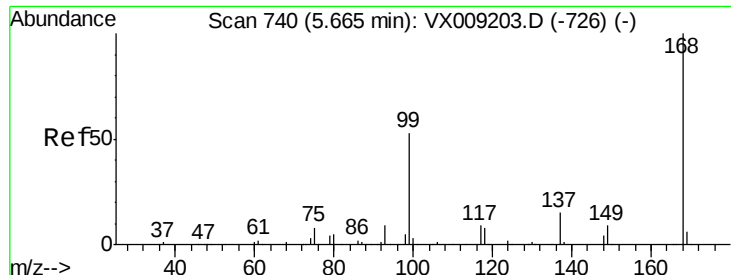
Instrument :
MSVOA_X
ClientSampleId :
SUMP-PIT

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Quant Time: May 01 02:34:50 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:03:50 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: VX009247.D

Acq: 30 Apr 2019 15:41

Instrument :

MSVOA_X

ClientSampled :

SUMP-PIT

Tot Ion:168 Resp: 203186

Ion Ratio Lower Upper

168 100

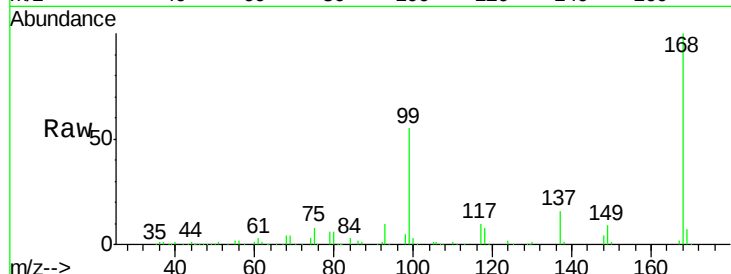
99 54.7 42.3 63.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

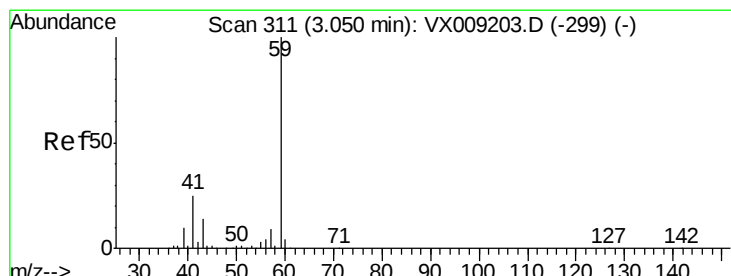
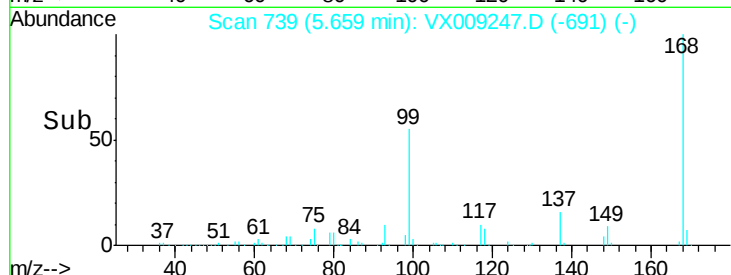
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 41.492 ug/l

RT: 3.04 min Scan# 310

Delta R.T. -0.01 min

Lab File: VX009247.D

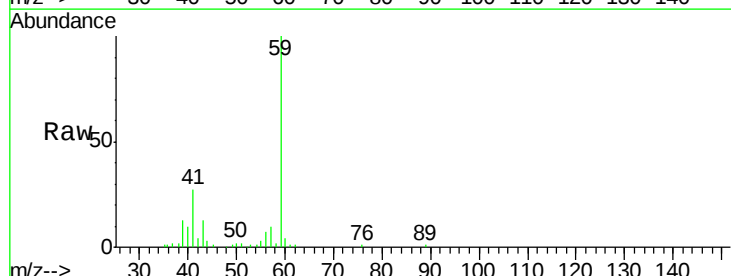
Acq: 30 Apr 2019 15:41

Tgt Ion: 59 Resp: 26640

Ion Ratio Lower Upper

59 100

57 11.4 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

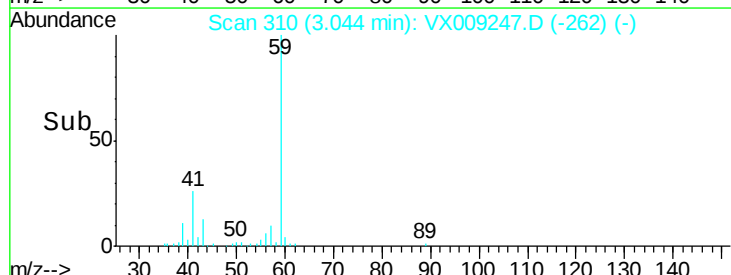
3.04

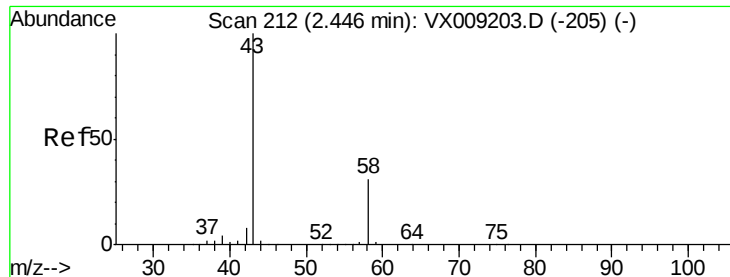
10000

5000

0

Time--> 2.95 3.00 3.05 3.10 3.15





#16

Acetone

Concen: 30.298 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009247.D

Acq: 30 Apr 2019 15:41

Instrument :

MSVOA_X

ClientSampled :

SUMP-PIT

Tot Ion: 43 Resp: 45126

Ion Ratio Lower Upper

43 100

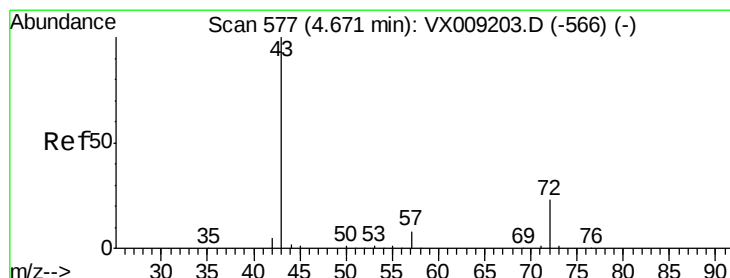
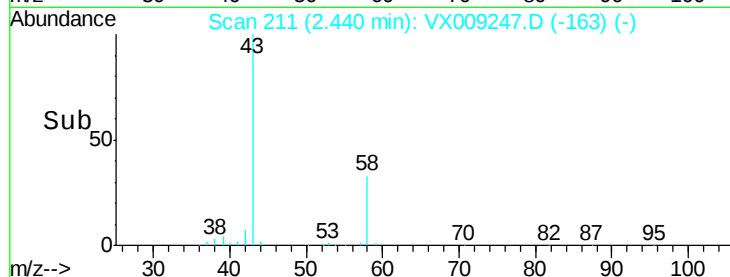
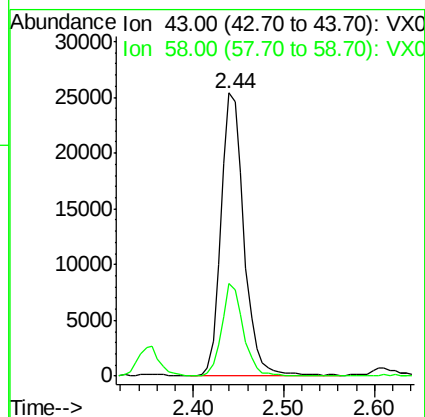
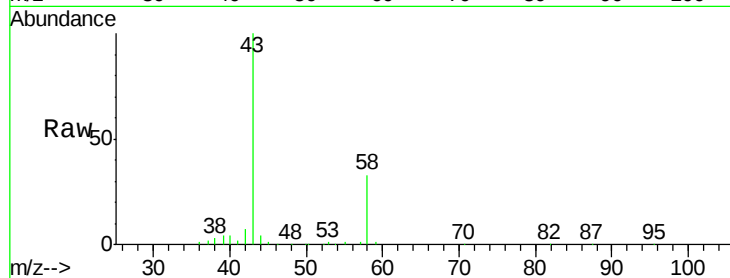
58 32.6 24.9 37.3

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#25

2-Butanone

Concen: 13.650 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009247.D

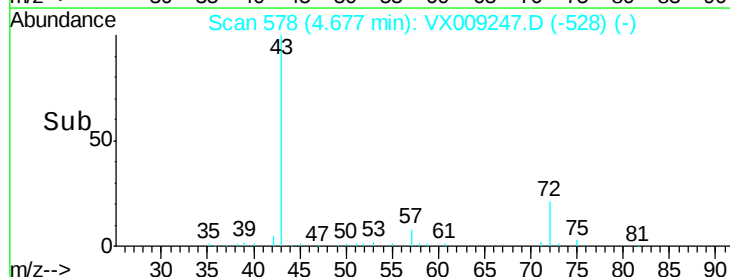
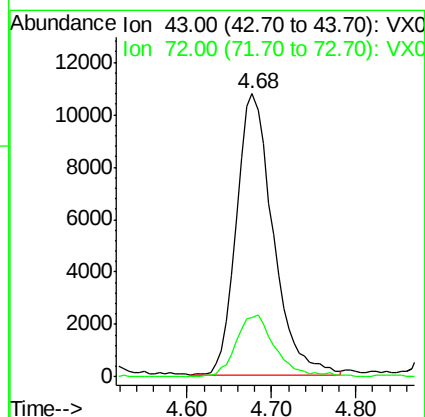
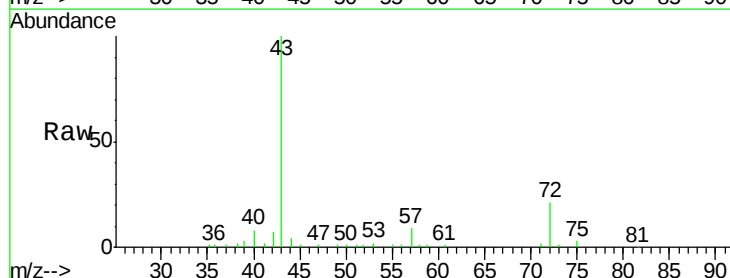
Acq: 30 Apr 2019 15:41

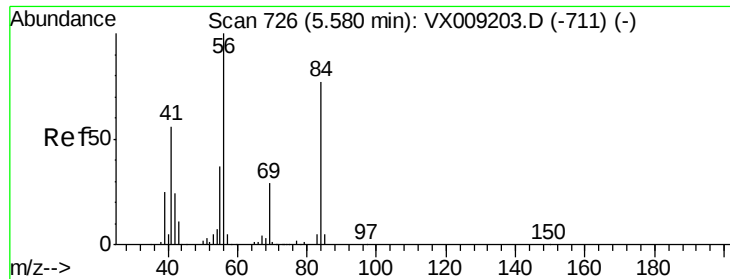
Tgt Ion: 43 Resp: 31592

Ion Ratio Lower Upper

43 100

72 21.3 18.2 27.2





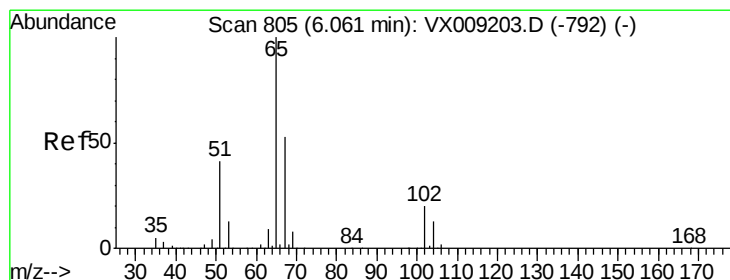
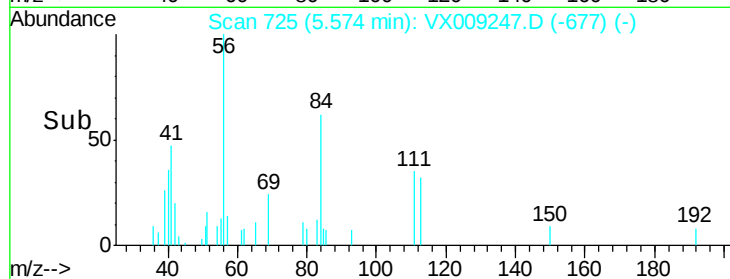
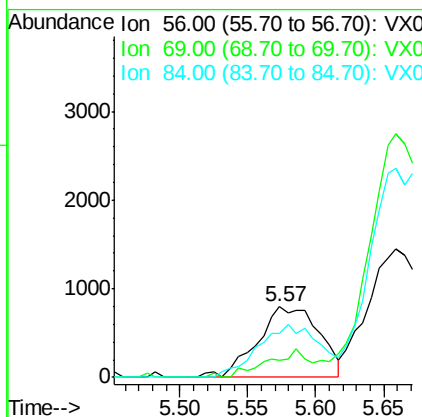
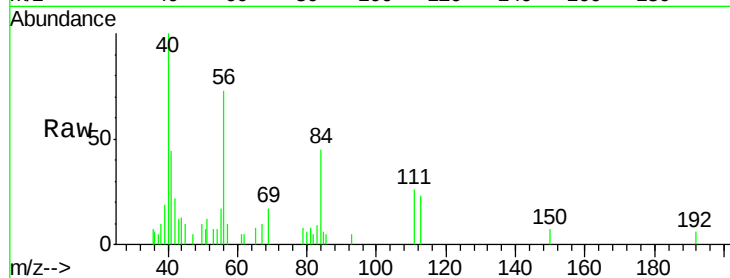
#31
Cyclohexane
Concen: 0.615 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX009247.D
Acq: 30 Apr 2019 15:41

Instrument :
MSVOA_X
ClientSampleId :
SUMP-PIT

Tot Ion	Ratio	Lower	Upper
56	100		
69	23.5	23.4	35.0
84	61.9	61.9	92.9

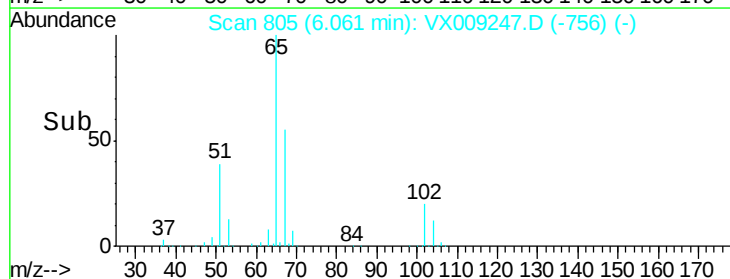
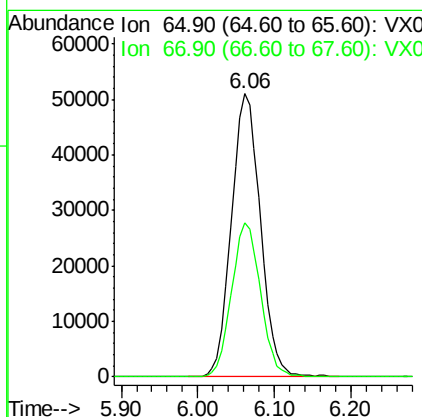
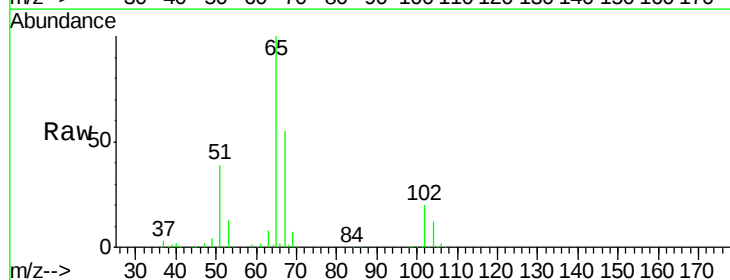
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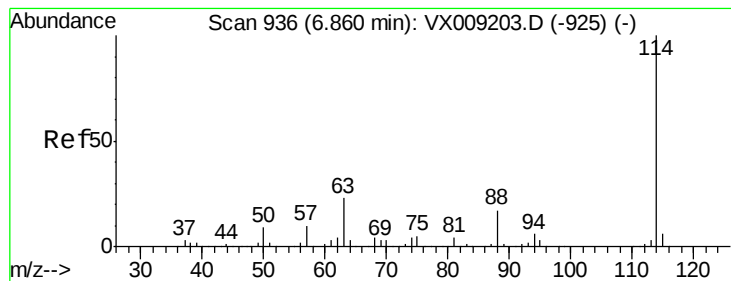
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#33
1,2-Dichloroethane-d4
Concen: 48.441 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX009247.D
Acq: 30 Apr 2019 15:41

Tgt Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009247.D

Acq: 30 Apr 2019 15:41

Instrument :

MSVOA_X

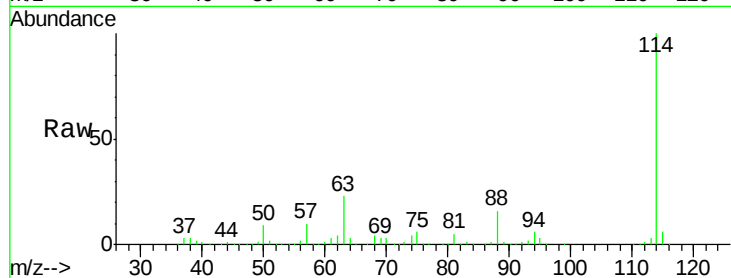
ClientSampleId :

SUMP-PIT

Tot Ion:	114	Resp:	328914
Ion Ratio	Lower	Upper	
114	100		
63	22.9	0.0	45.6
88	16.1	0.0	33.2

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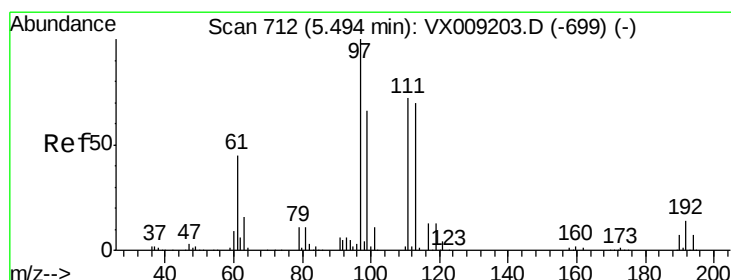
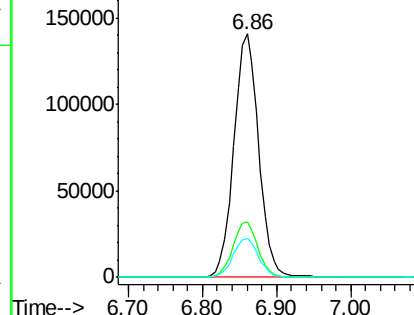
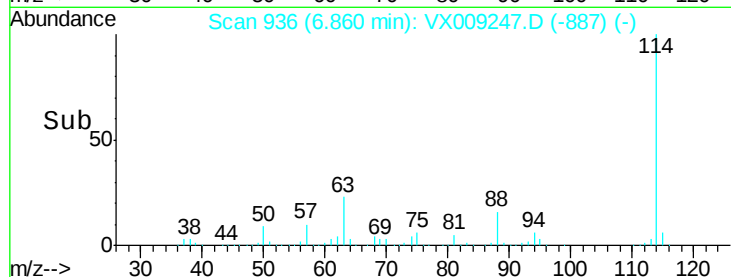
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Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.678 ug/l

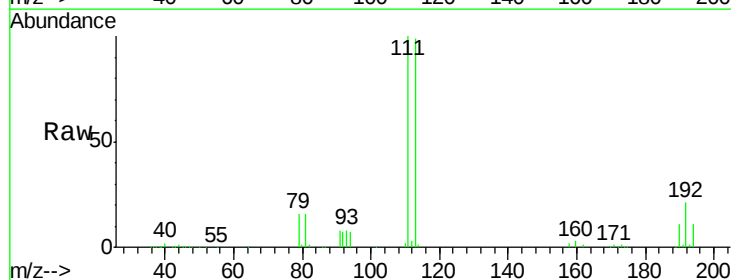
RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009247.D

Acq: 30 Apr 2019 15:41

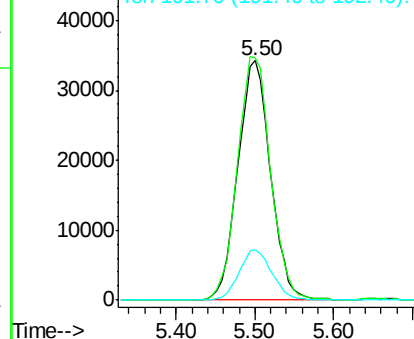
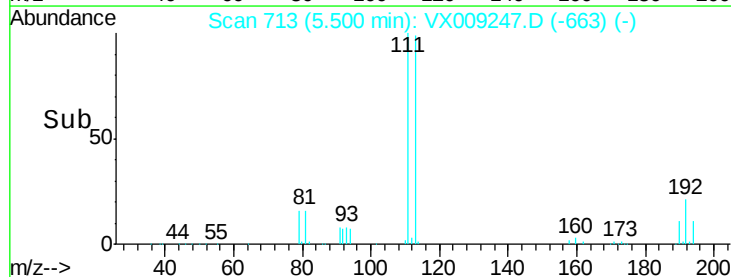
Tgt Ion:	113	Resp:	98584
Ion Ratio	Lower	Upper	
113	100		
111	103.3	82.8	124.2
192	21.1	17.0	25.6

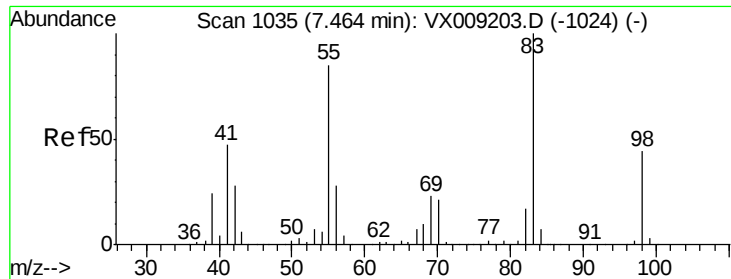


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





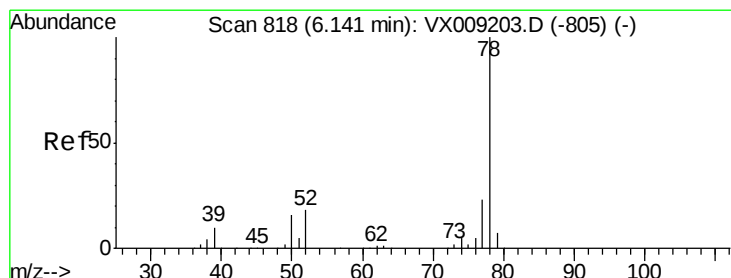
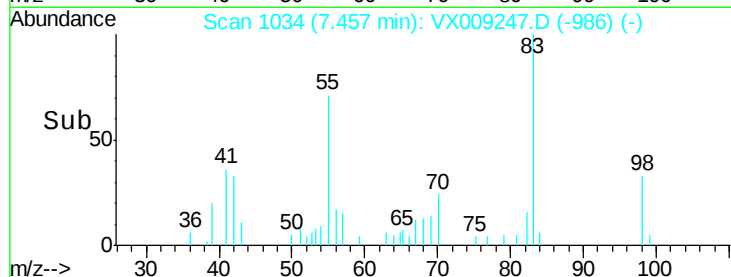
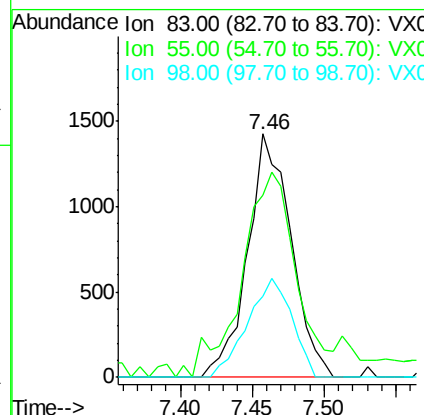
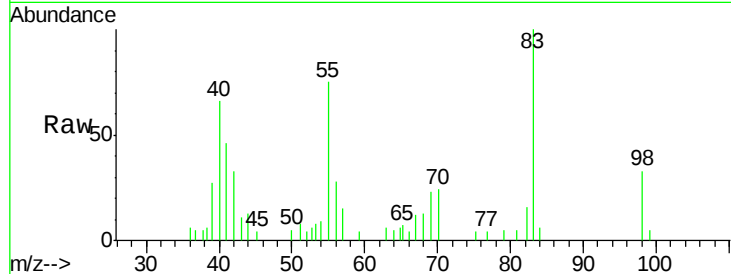
#39
Methvlcvclohexane
Concen: 0.790 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX009247.D
Acq: 30 Apr 2019 15:41

Instrument :
MSVOA_X
ClientSampleId :
SUMP-PIT

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.6	67.7	101.5
98	33.4	35.5	53.3

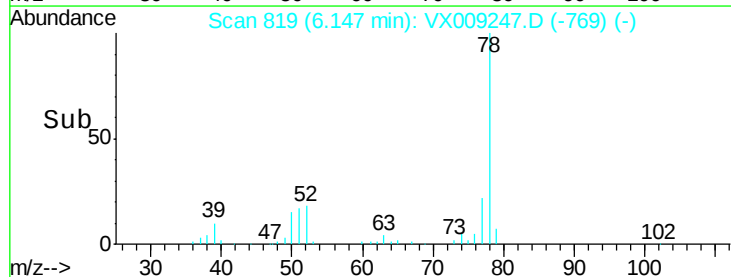
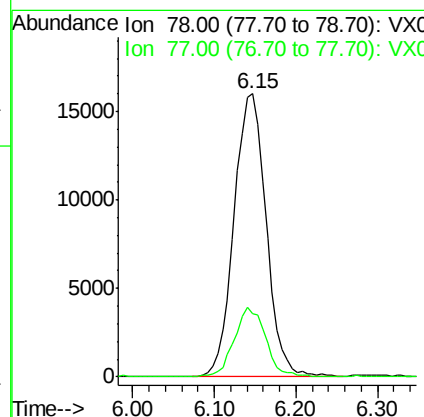
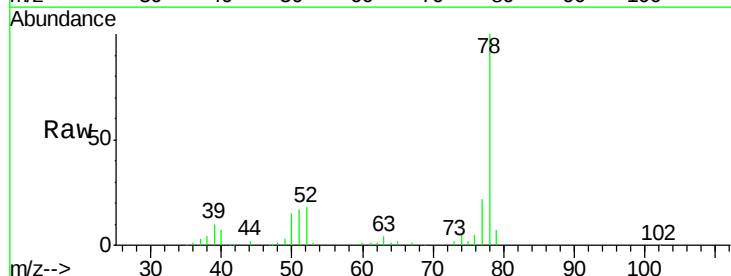
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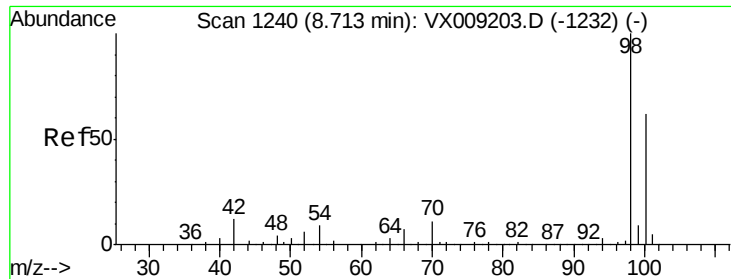
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#40
Benzene
Concen: 4.610 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX009247.D
Acq: 30 Apr 2019 15:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.8	28.2





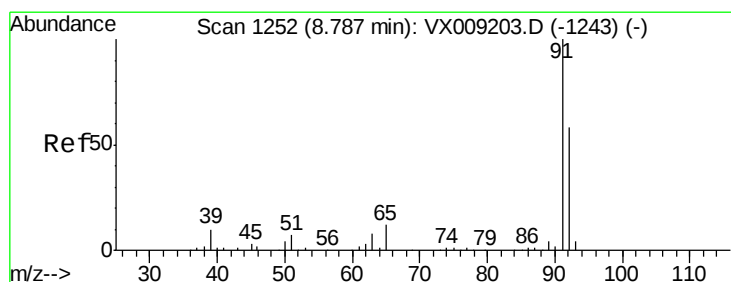
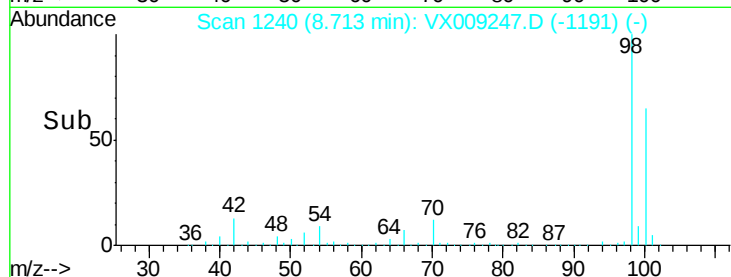
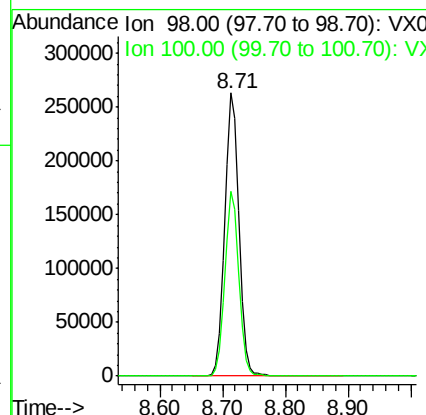
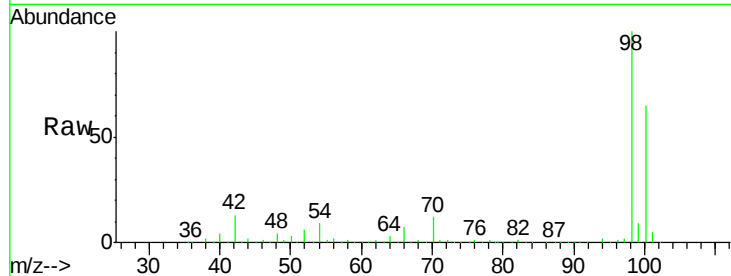
#50
Toluene-d8
Concen: 49.629 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009247.D
Acq: 30 Apr 2019 15:41

Instrument :
MSVOA_X
ClientSampleId :
SUMP-PIT

Tot Ion: 98 Resp: 414293
Ion Ratio Lower Upper
98 100
100 64.0 51.2 76.8

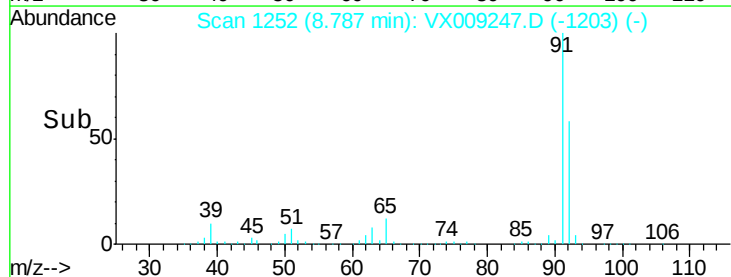
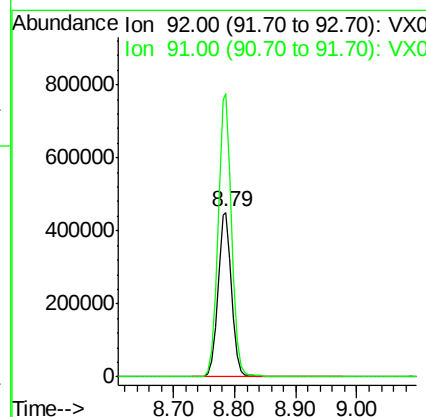
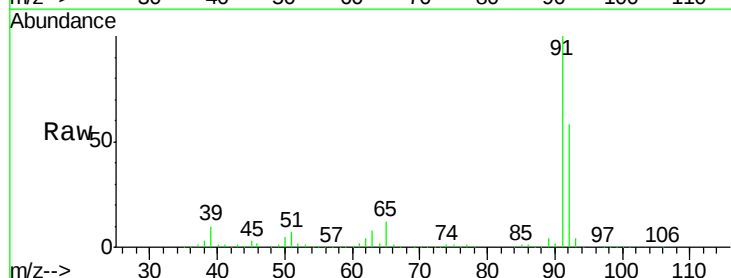
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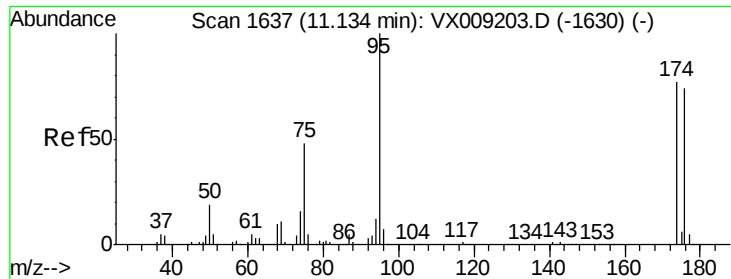
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#52
Toluene
Concen: 124.661 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX009247.D
Acq: 30 Apr 2019 15:41

Tgt Ion: 92 Resp: 716844
Ion Ratio Lower Upper
92 100
91 172.6 138.8 208.2





#62

4-Bromofluorobenzene

Concen: 46.932 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009247.D

Acq: 30 Apr 2019 15:41

Instrument :

MSVOA_X

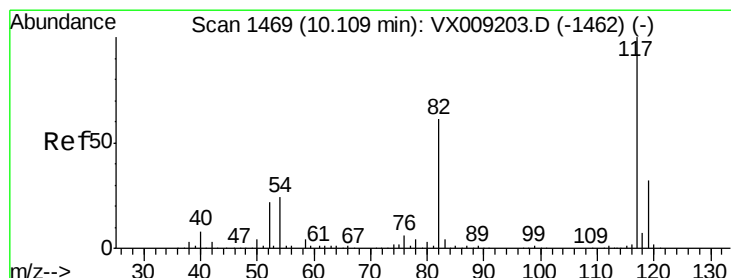
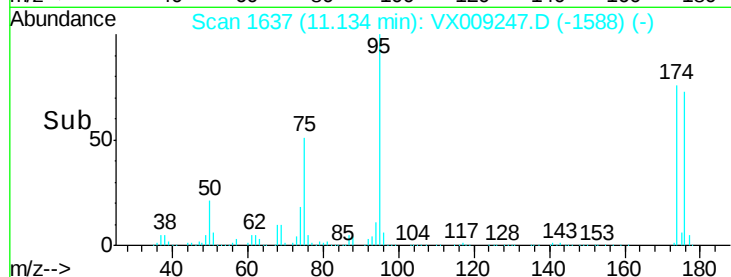
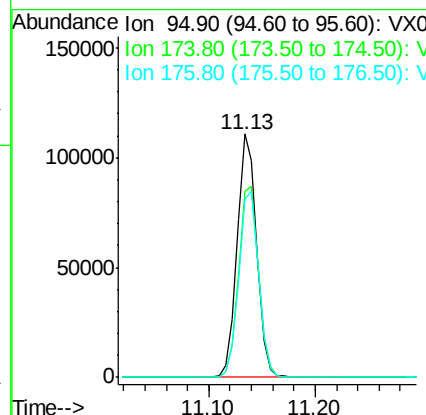
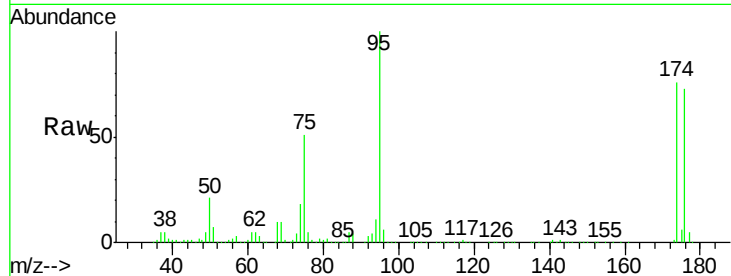
ClientSampleId :

SUMP-PIT

Tot Ion:	95	Resp:	142358
Ion Ratio	Lower	Upper	
95	100		
174	80.8	0.0	161.6
176	78.3	0.0	159.2

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

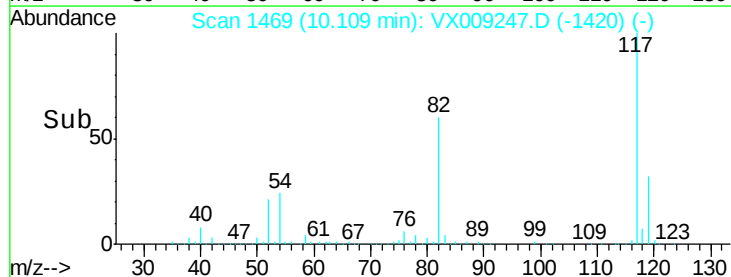
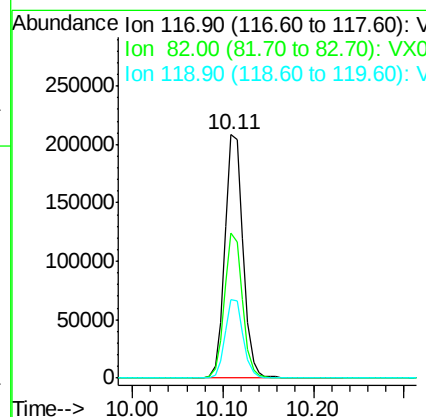
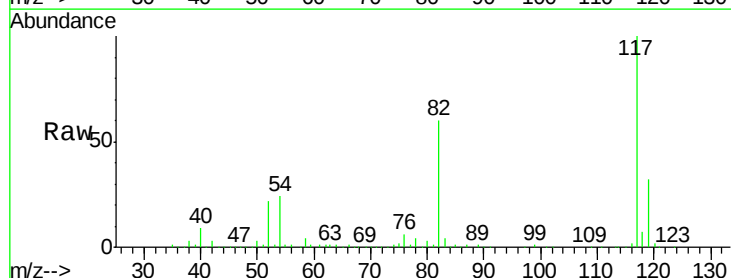
RT: 10.11 min Scan# 1469

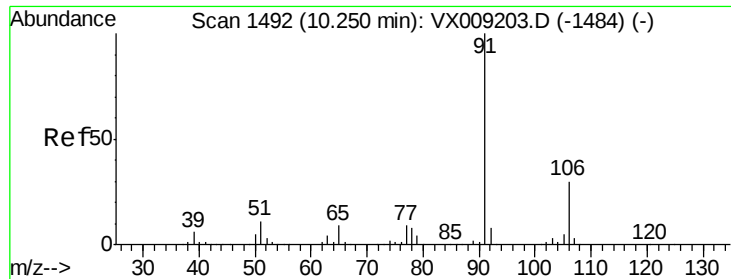
Delta R.T. -0.00 min

Lab File: VX009247.D

Acq: 30 Apr 2019 15:41

Tgt Ion:	117	Resp:	290953
Ion Ratio	Lower	Upper	
117	100		
82	59.6	48.8	73.2
119	32.2	25.8	38.6





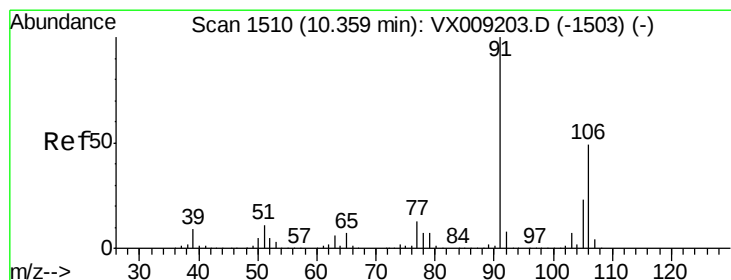
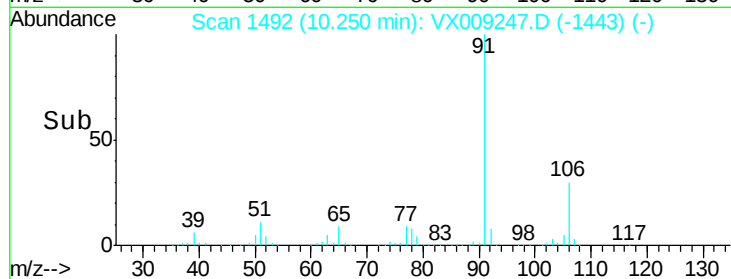
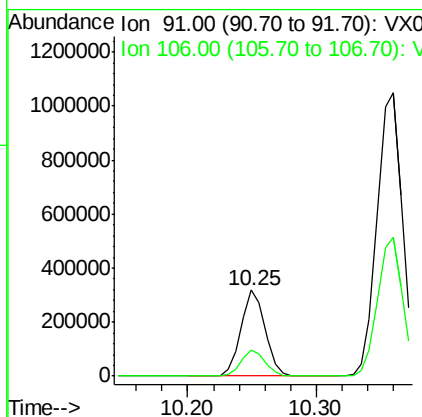
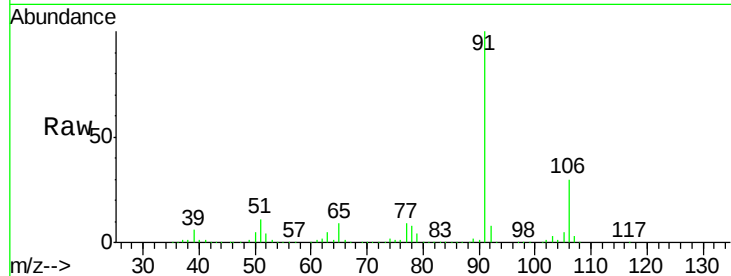
#67
Ethyl Benzene
Concen: 38.625 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX009247.D
Acq: 30 Apr 2019 15:41

Instrument :
MSVOA_X
ClientSampled :
SUMP-PIT

Tot Ion: 91 Resp: 413735
Ion Ratio Lower Upper
91 100
106 29.7 24.0 36.0

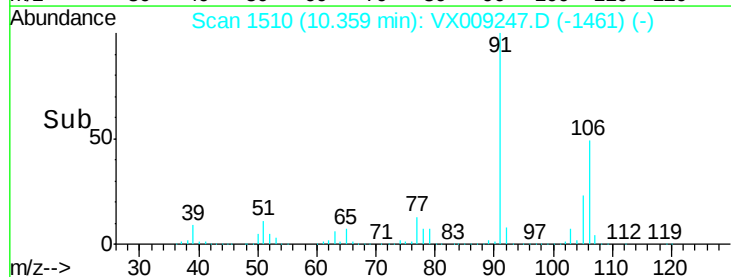
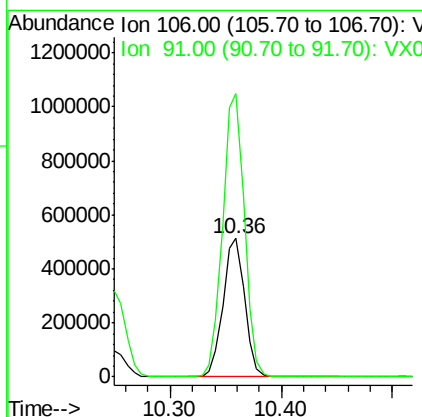
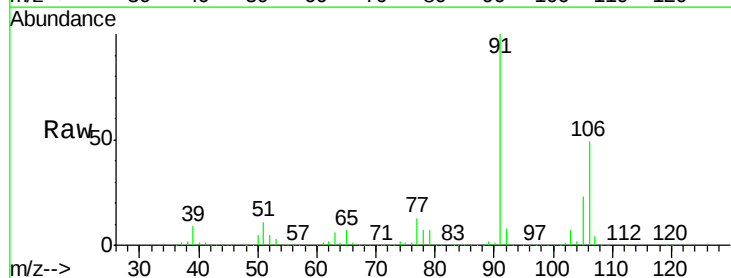
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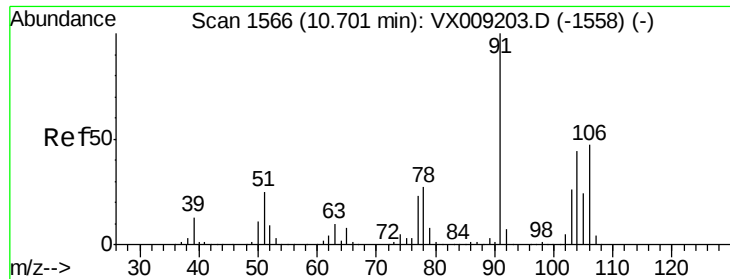
MMDadoda
5/1/2019 10:24:42 AM



#68
m/p-Xylenes
Concen: 175.276 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009247.D
Acq: 30 Apr 2019 15:41

Tgt Ion: 106 Resp: 686099
Ion Ratio Lower Upper
106 100
91 207.3 164.0 246.0





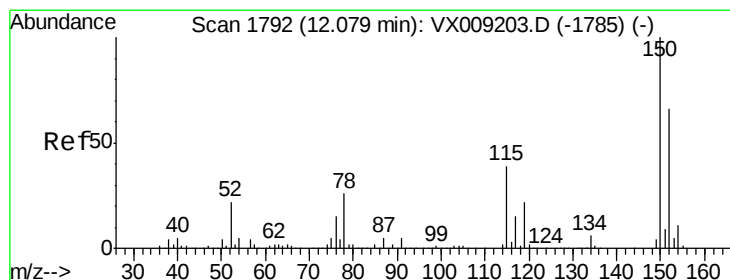
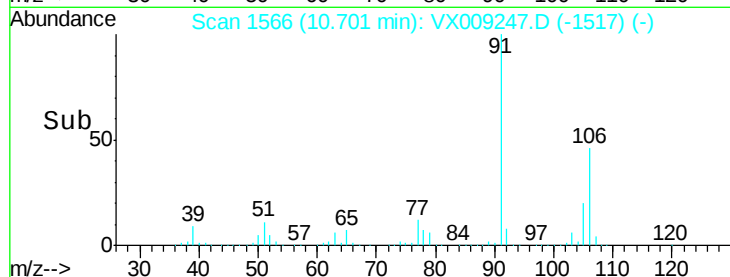
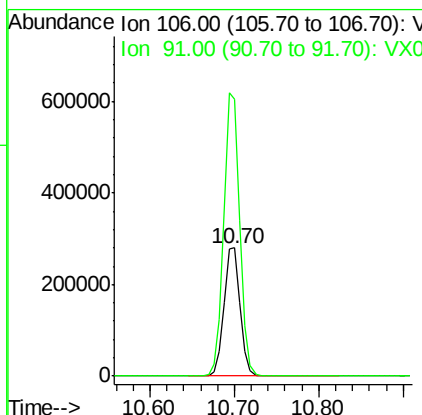
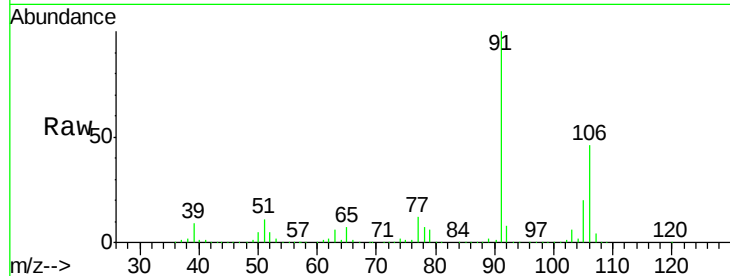
#69
o-Xylene
Concen: 96.311 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX009247.D
Acq: 30 Apr 2019 15:41

Instrument :
MSVOA_X
ClientSampleId :
SUMP-PIT

Tot Ion:106 Resp: 371966
Ion Ratio Lower Upper
106 100
91 218.9 109.5 328.4

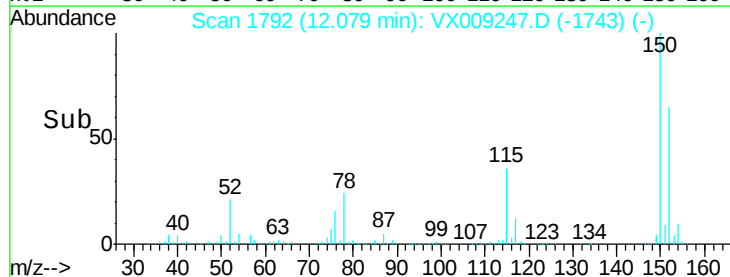
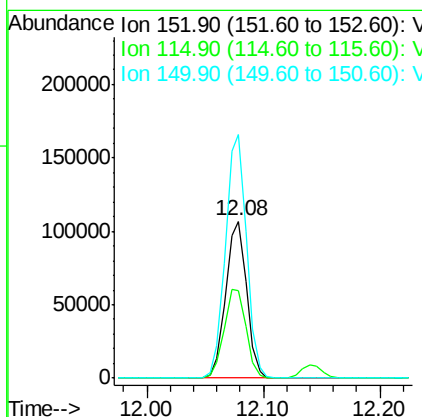
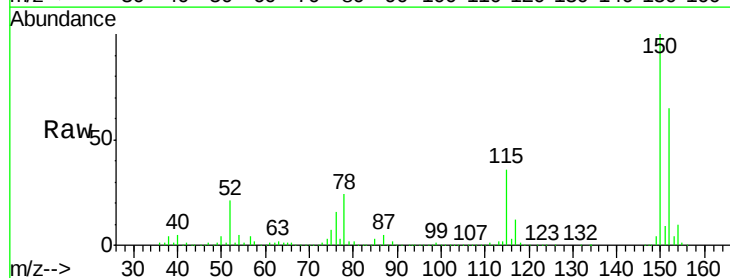
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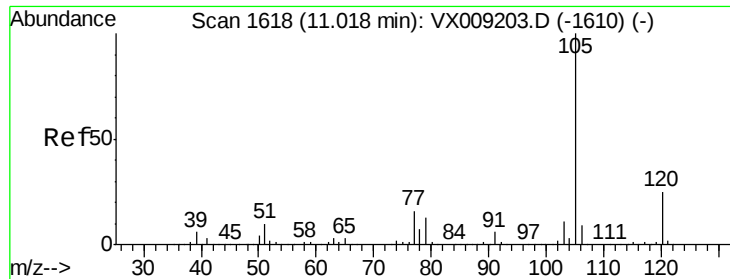
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009247.D
Acq: 30 Apr 2019 15:41

Tgt Ion:152 Resp: 132443
Ion Ratio Lower Upper
152 100
115 58.8 41.2 123.6
150 156.4 0.0 346.4





#73

Isopropylbenzene

Concen: 2.840 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009247.D

Acq: 30 Apr 2019 15:41

Instrument :

MSVOA_X

ClientSampleId :

SUMP-PIT

Tot Ion: 105 Resp: 27352

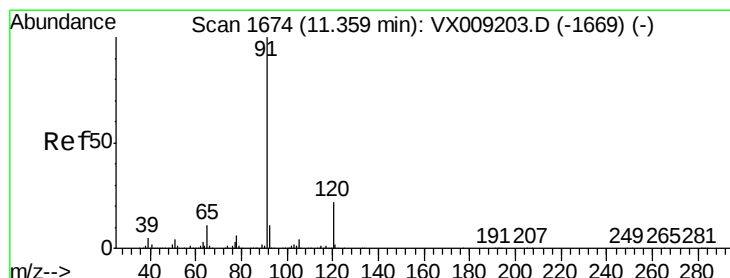
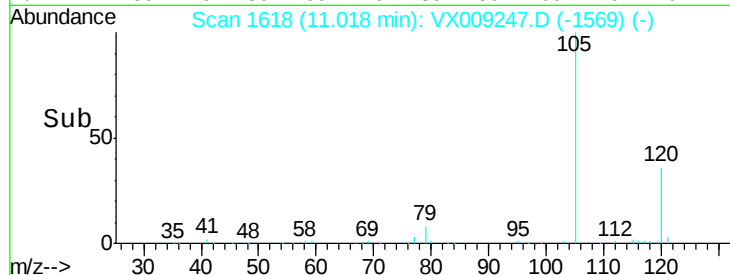
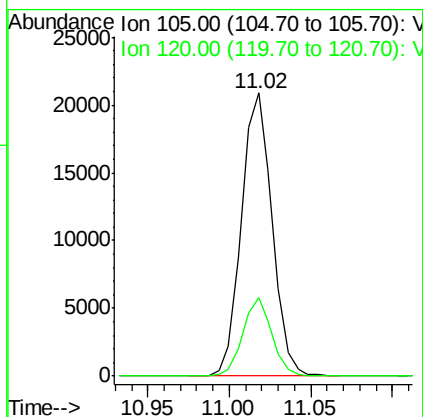
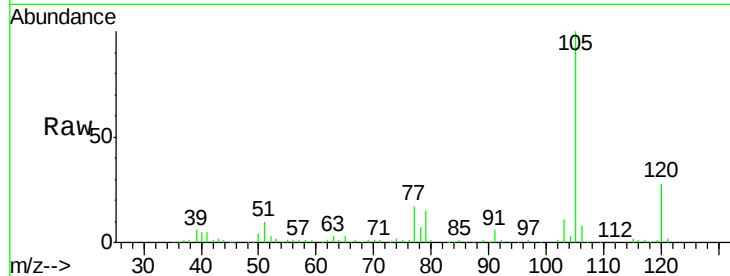
Ion Ratio Lower Upper

105 100

120 26.3 12.8 38.3

Manual Integrations
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#78

n-propylbenzene

Concen: 10.048 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009247.D

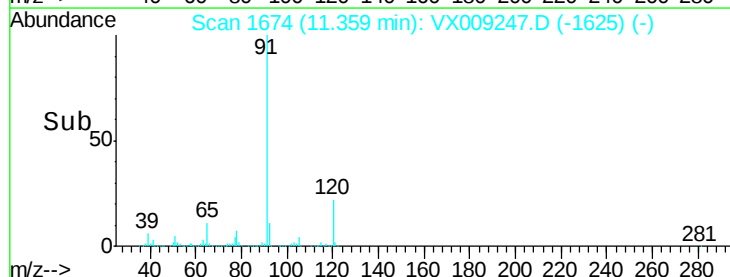
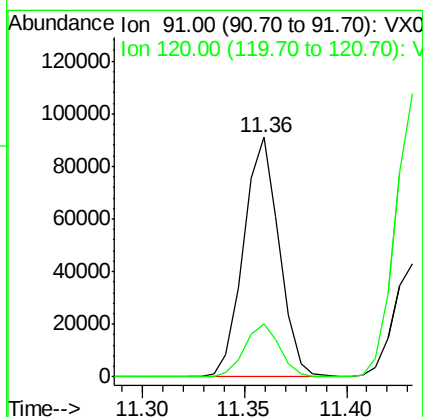
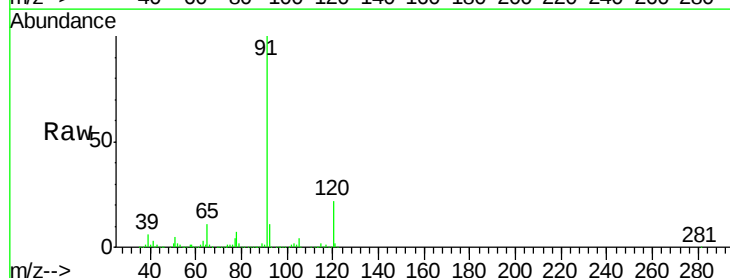
Acq: 30 Apr 2019 15:41

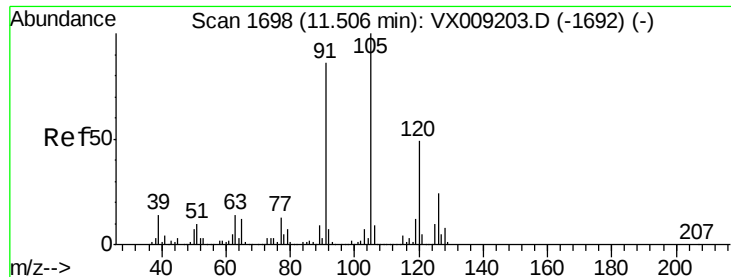
Tgt Ion: 91 Resp: 110515

Ion Ratio Lower Upper

91 100

120 22.0 11.0 33.0





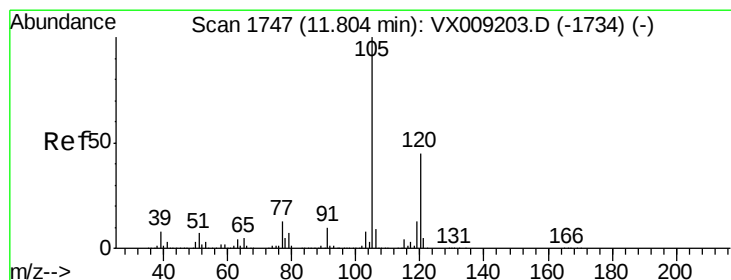
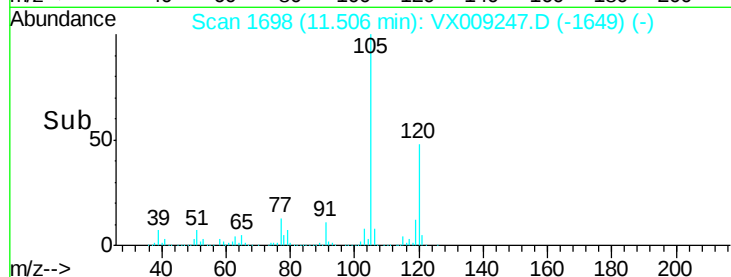
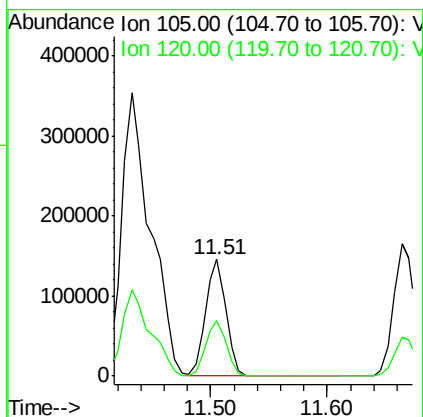
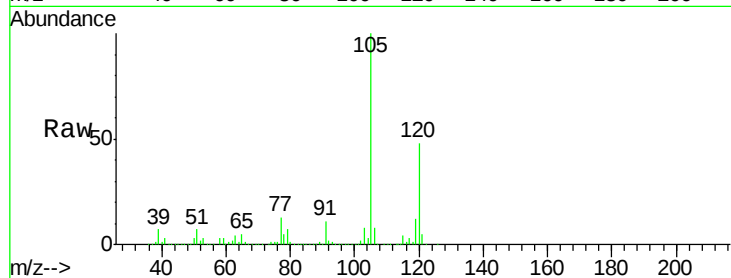
#80
 1,3,5-Trimethylbenzene
 Concen: 21.665 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX009247.D
 Acq: 30 Apr 2019 15:41

Instrument :
 MSVOA_X
 ClientSampled :
 SUMP-PIT

Tot Ion:105 Resp: 175689
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.3 72.9

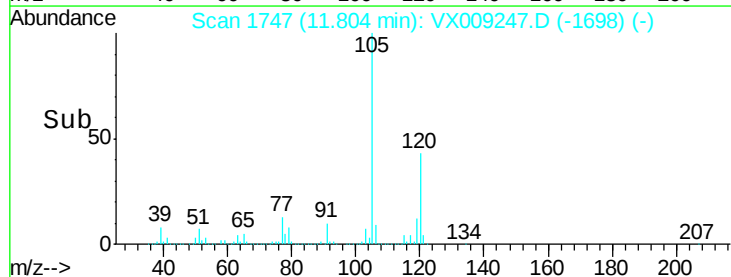
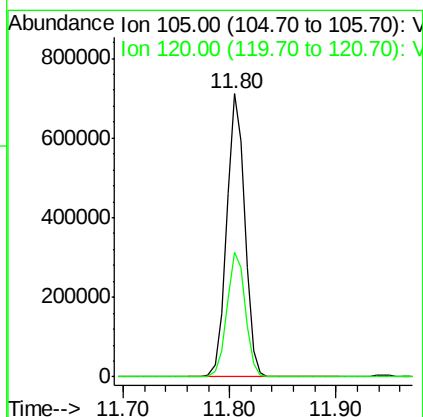
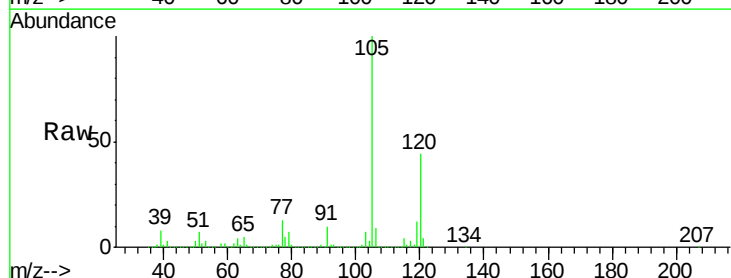
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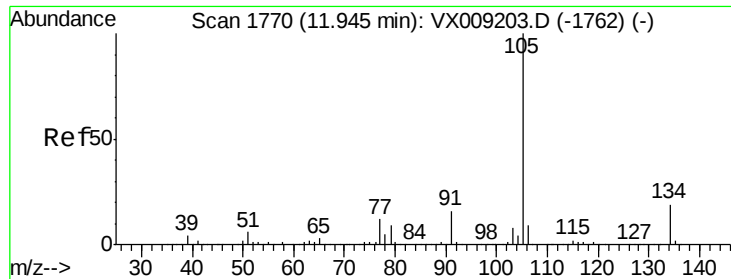
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#84
 1,2,4-Trimethylbenzene
 Concen: 103.925 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009247.D
 Acq: 30 Apr 2019 15:41

Tgt Ion:105 Resp: 845932
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.0 66.0





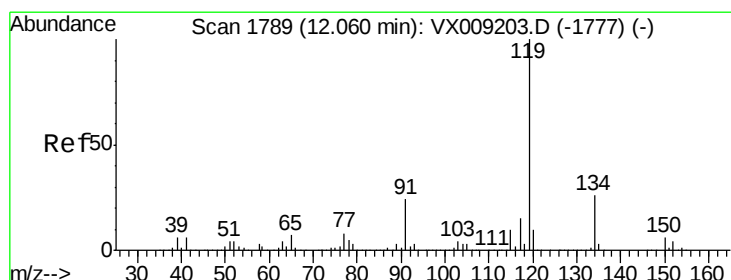
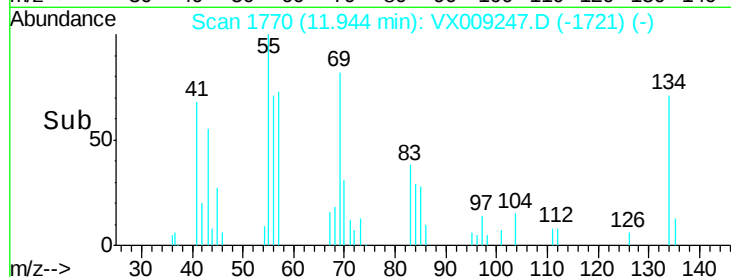
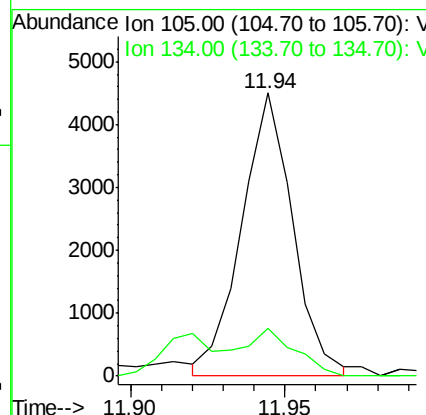
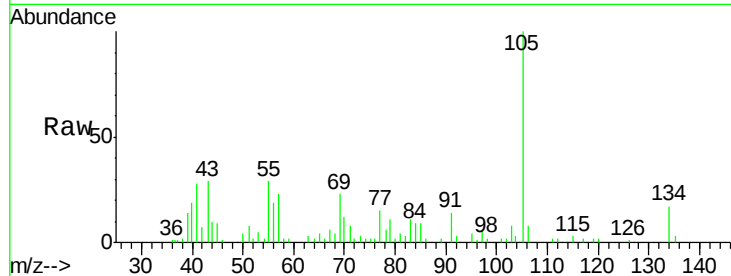
#85
 sec-Butylbenzene
 Concen: 0.555 ug/l m
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX009247.D
 Acq: 30 Apr 2019 15:41

Instrument :
 MSVOA_X
 ClientSampled :
 SUMP-PIT

Tot Ion:105 Resp: 5194
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.7 28.9#

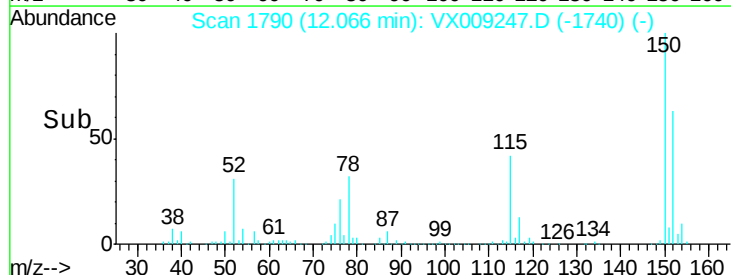
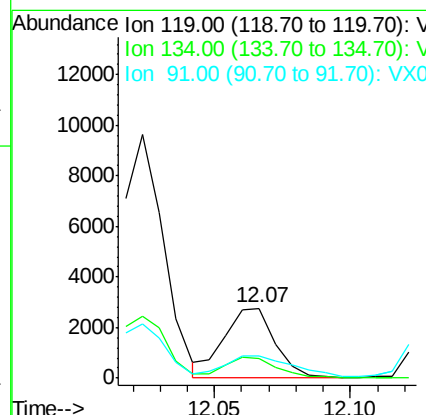
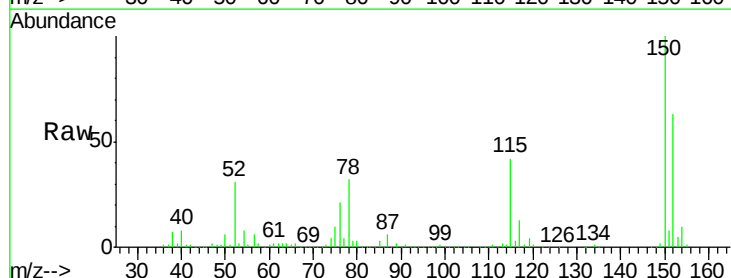
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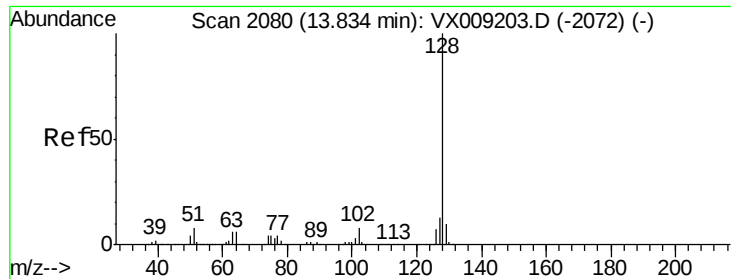
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#86
 p-Isopropyltoluene
 Concen: 0.431 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.01 min
 Lab File: VX009247.D
 Acq: 30 Apr 2019 15:41

Tgt Ion:119 Resp: 3626
 Ion Ratio Lower Upper
 119 100
 134 31.1 12.9 38.7
 91 0.0 11.8 35.4#





#95
Naphthalene
Concen: 45.117 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009247.D
Acq: 30 Apr 2019 15:41

Instrument :
MSVOA_X
ClientSampleId :
SUMP-PIT

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
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