

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX062819\
 Data File : VX010543.D
 Acq On : 28 Jun 2019 18:31
 Operator : JC/SP
 Sample : K3568-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RW-1

Manual Integrations
 APPROVED

MMDadoda
 7/1/2019 11:36:20 AM

Quant Time: Jun 29 06:22:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	243307	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	378123	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	339852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	169662	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	117809	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
35) Dibromofluoromethane	5.50	113	113156	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
50) Toluene-d8	8.71	98	444644	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
62) 4-Bromofluorobenzene	11.13	95	156044	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
Target Compounds						
					Qvalue	
16) Acetone	2.44	43	2108	1.844	ug/l	91
27) cis-1,2-Dichloroethene	4.60	96	1202	0.459	ug/l	67
31) Cyclohexane	5.59	56	15280	4.637	ug/l	88
39) Methylcyclohexane	7.46	83	19018	4.815	ug/l	96
40) Benzene	6.15	78	56854	6.073	ug/l	98
67) Ethyl Benzene	10.25	91	4445	0.382	ug/l	95
68) m/p-Xylenes	10.37	106	1535	0.340	ug/l	91
69) o-Xylene	10.69	106	1707	0.385	ug/l	90
73) Isopropylbenzene	11.02	105	113342	9.855	ug/l	99
78) n-propylbenzene	11.36	91	195244	15.446	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	2516m	0.265	ug/l	
83) tert-Butylbenzene	11.77	119	5467	0.574	ug/l	90
84) 1,2,4-Trimethylbenzene	11.80	105	72919	7.655	ug/l	100
85) sec-Butylbenzene	11.94	105	73761	6.602	ug/l	88
86) p-Isopropyltoluene	12.06	119	6523m	0.631	ug/l	
89) n-Butylbenzene	12.38	91	48860	5.564	ug/l #	73
91) 1,2-Dichlorobenzene	12.39	146	2746	0.493	ug/l	89

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

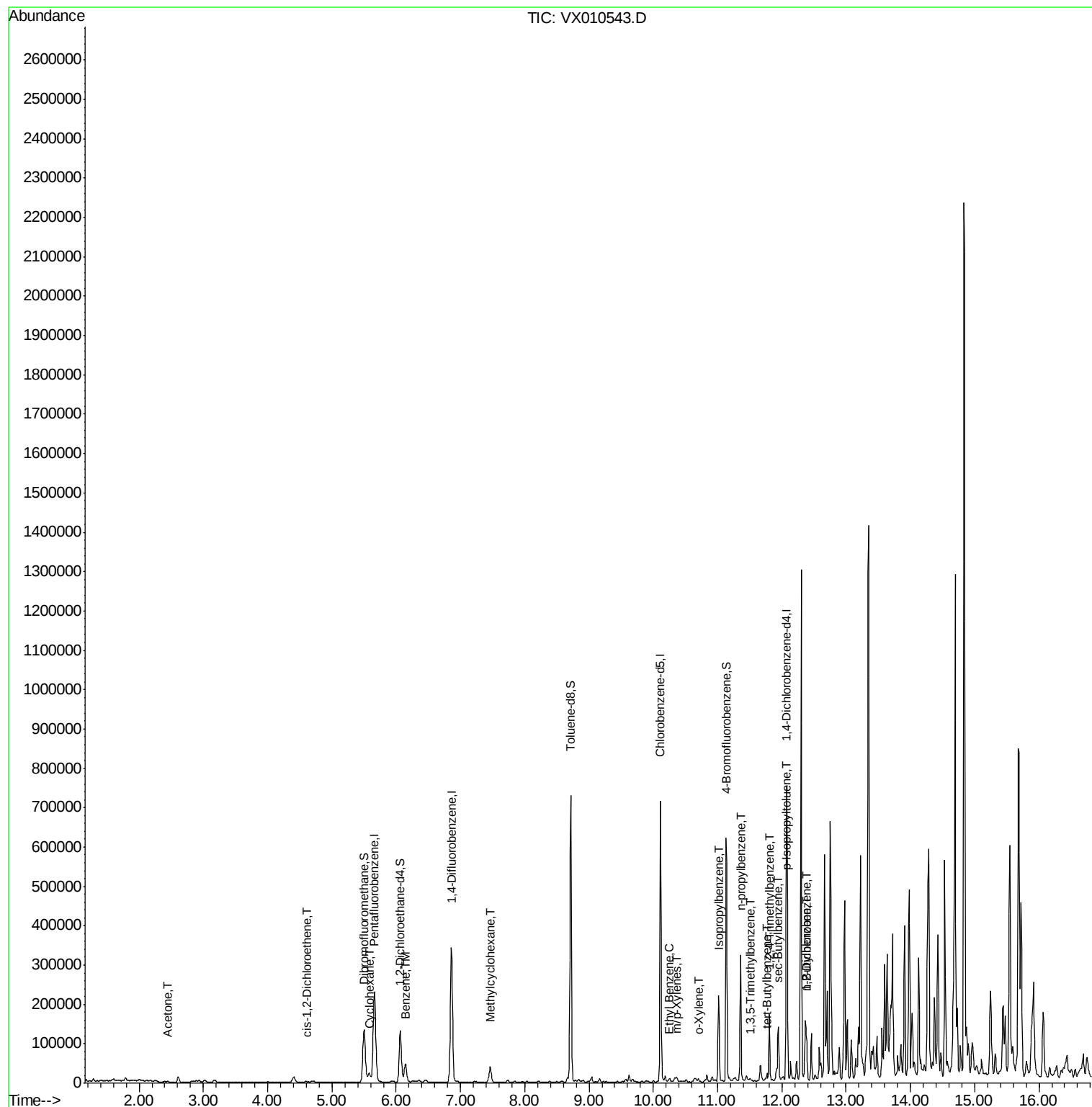
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062819\
Data File : VX010543.D
Acq On : 28 Jun 2019 18:31
Operator : JC/SP
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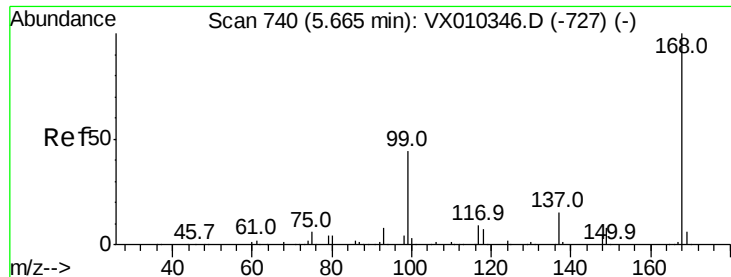
Instrument :
MSVOA_X
ClientSampleId :
RW-1

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Quant Time: Jun 29 06:22:26 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 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: VX010543.D

Acq: 28 Jun 2019 18:31

Instrument :

MSVOA_X

ClientSampled :

RW-1

Tot Ion:168 Resp: 243307

Ion Ratio Lower Upper

168 100

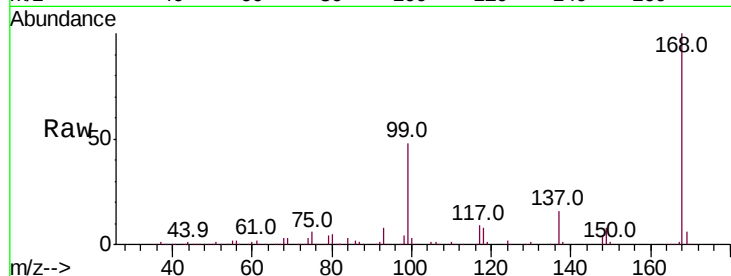
99 47.6 35.5 53.3

Manual Integrations

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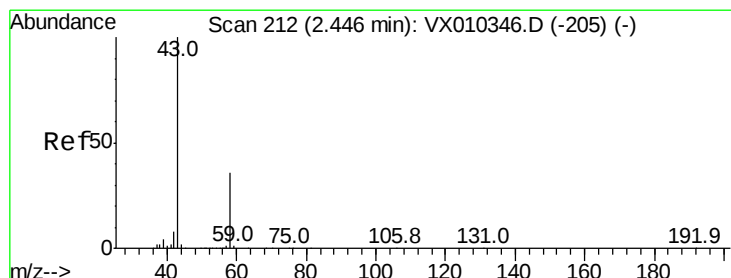
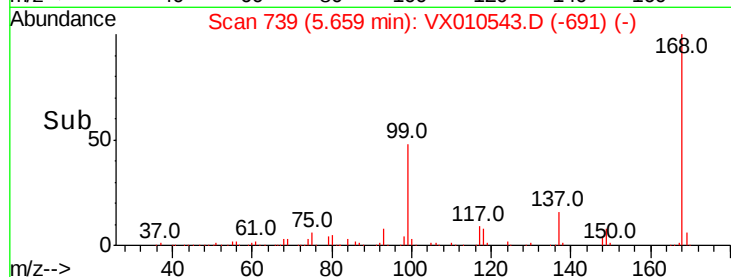
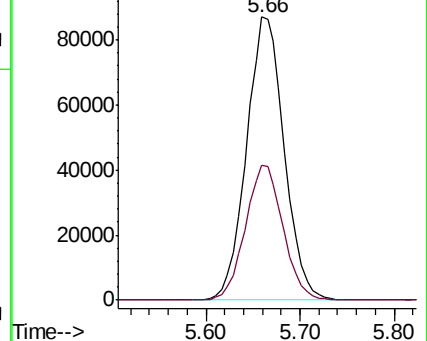
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 1.844 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010543.D

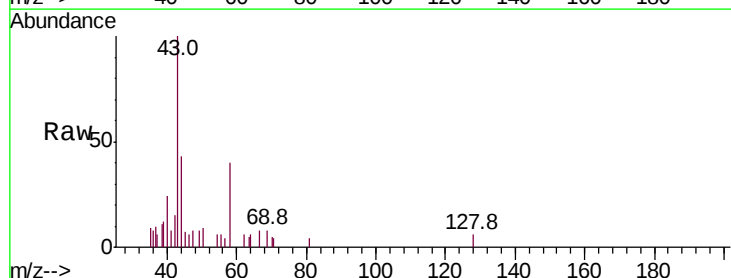
Acq: 28 Jun 2019 18:31

Tgt Ion: 43 Resp: 2108

Ion Ratio Lower Upper

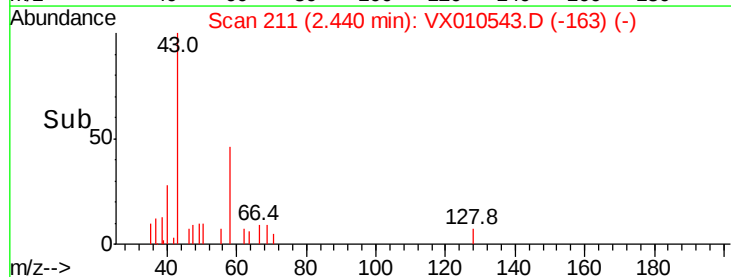
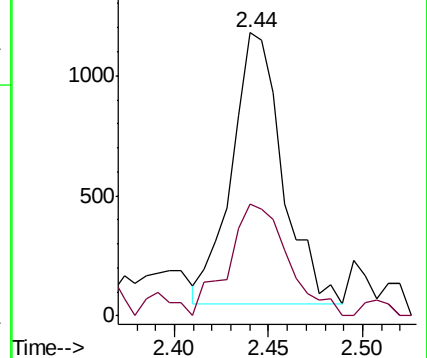
43 100

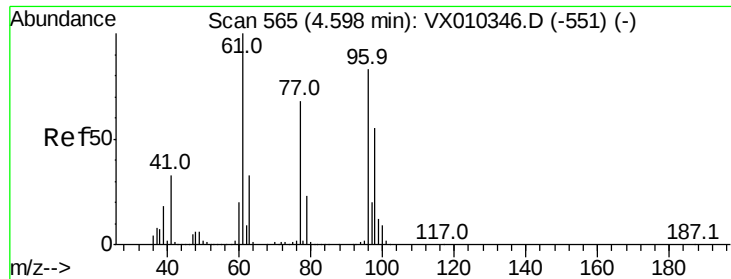
58 41.4 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#27

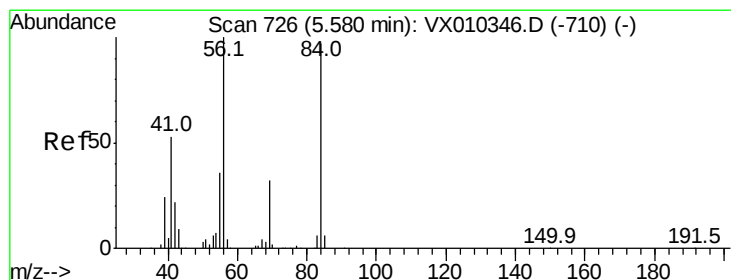
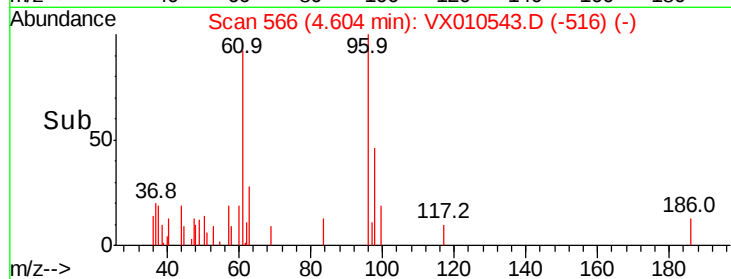
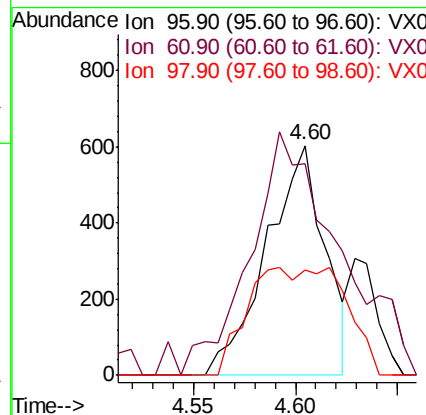
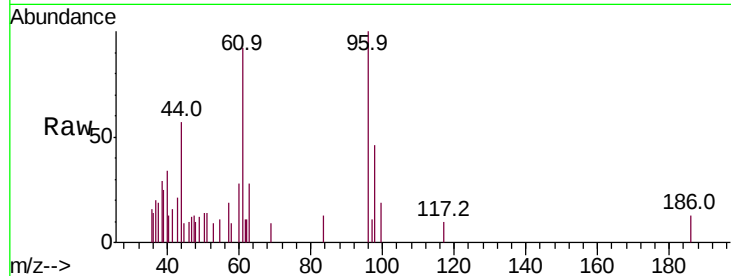
cis-1,2-Dichloroethene
 Concen: 0.459 ug/l
 RT: 4.60 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VX010543.D
 Acq: 28 Jun 2019 18:31

Instrument :
 MSVOA_X
 ClientSampleId :
 RW-1

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.5	0.0	251.8
98	39.2	0.0	129.4

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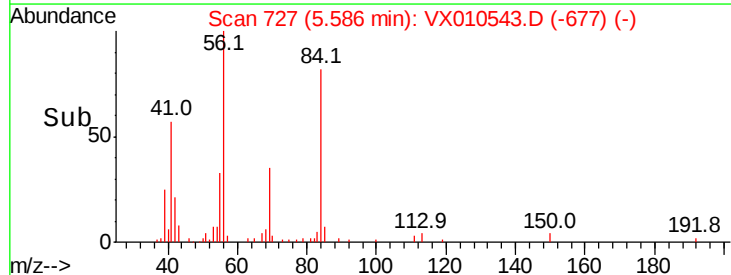
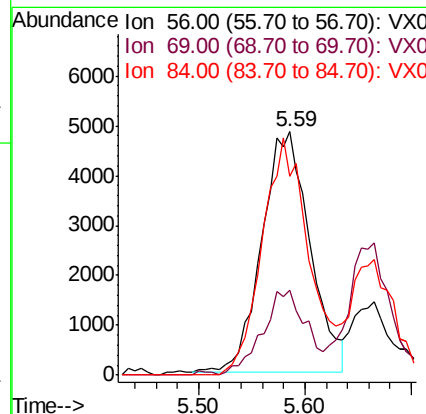
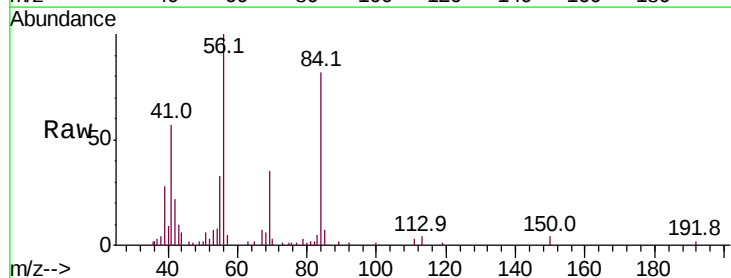
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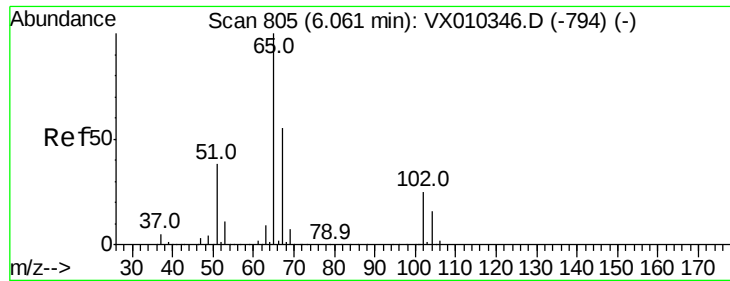


#31

Cyclohexane
 Concen: 4.637 ug/l
 RT: 5.59 min Scan# 727
 Delta R.T. 0.01 min
 Lab File: VX010543.D
 Acq: 28 Jun 2019 18:31

Tgt Ion	Ratio	Lower	Upper
56	100		
69	35.0	25.9	38.9
84	82.7	78.0	117.0





#33

1,2-Dichloroethane-d4

Concen: 51.642 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010543.D

Acq: 28 Jun 2019 18:31

Instrument :

MSVOA_X

ClientSampled :

RW-1

Tot Ion: 65 Resp: 117809

Ion Ratio Lower Upper

65 100

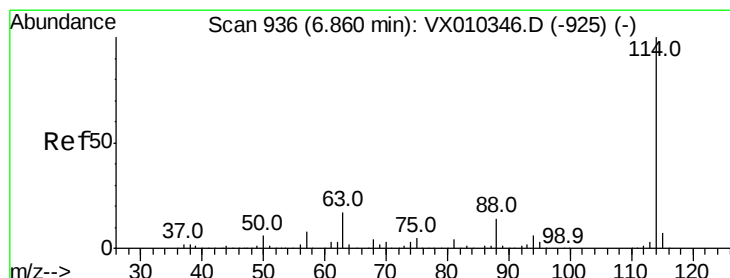
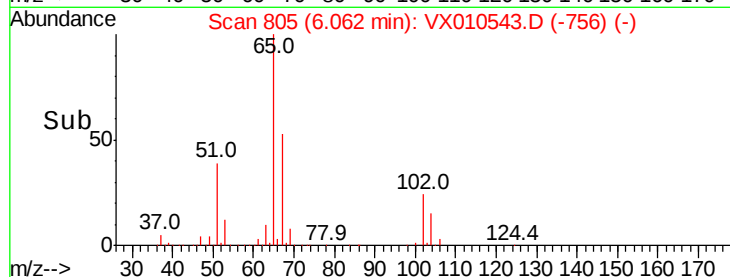
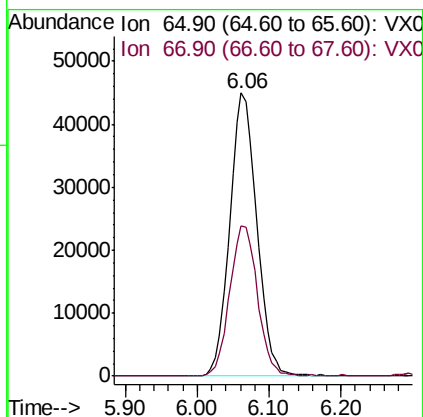
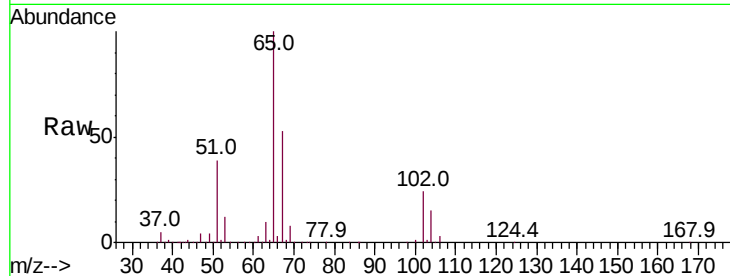
67 54.3 0.0 110.2

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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: VX010543.D

Acq: 28 Jun 2019 18:31

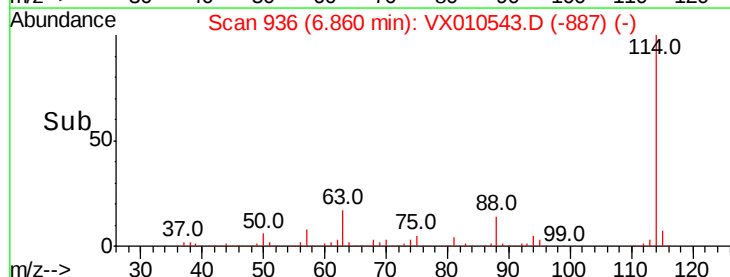
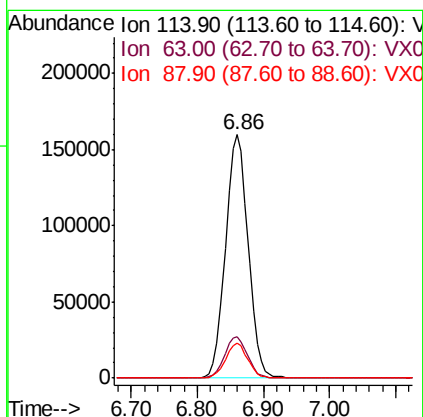
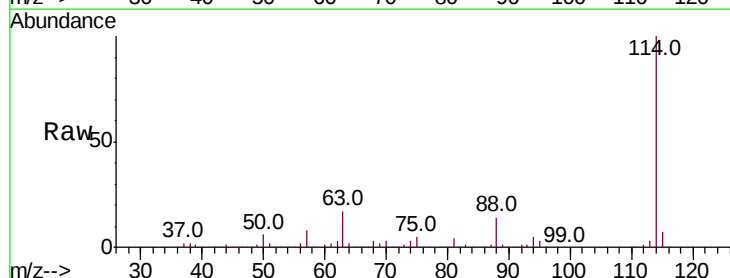
Tgt Ion: 114 Resp: 378123

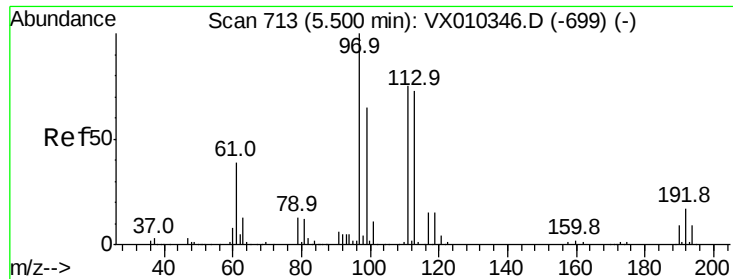
Ion Ratio Lower Upper

114 100

63 17.2 0.0 33.8

88 14.4 0.0 27.6





#35

Dibromofluoromethane

Concen: 48.911 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010543.D

Acq: 28 Jun 2019 18:31

Instrument :

MSVOA_X

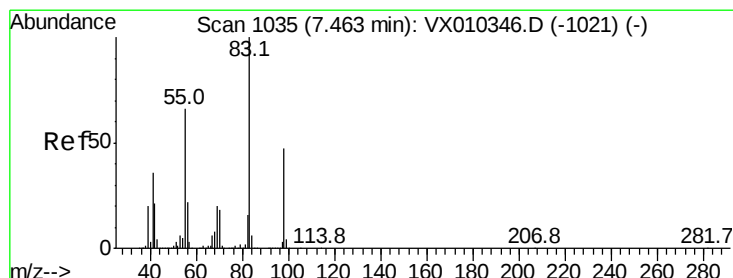
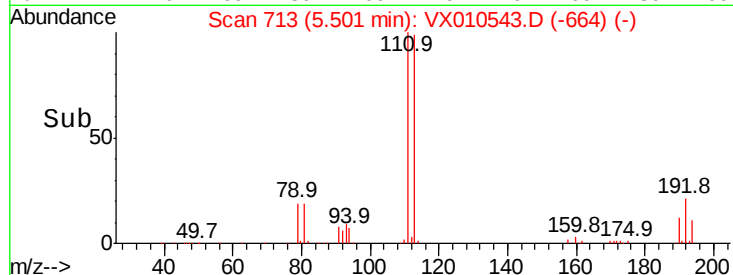
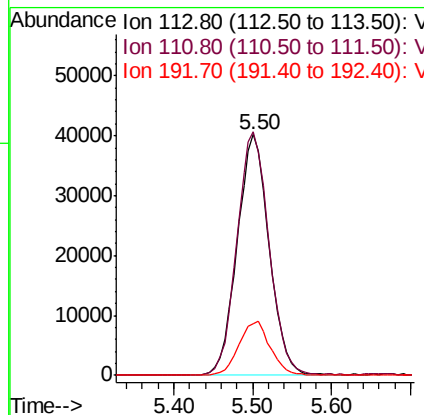
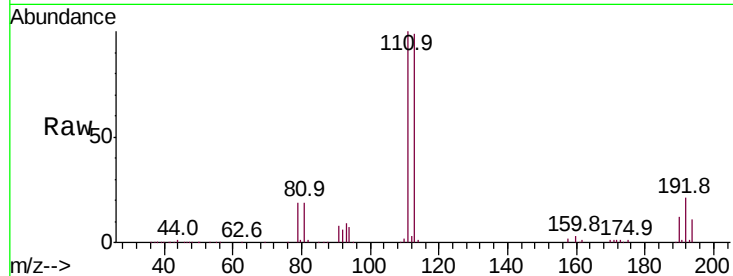
ClientSampled :

RW-1

Tot Ion:	113	Resp:	113156
Ion Ratio	Lower	Upper	
113	100		
111	102.2	81.2	121.8
192	22.1	18.6	27.8

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#39

Methylcyclohexane

Concen: 4.815 ug/l

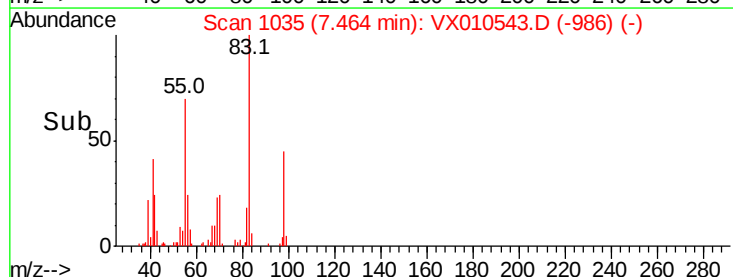
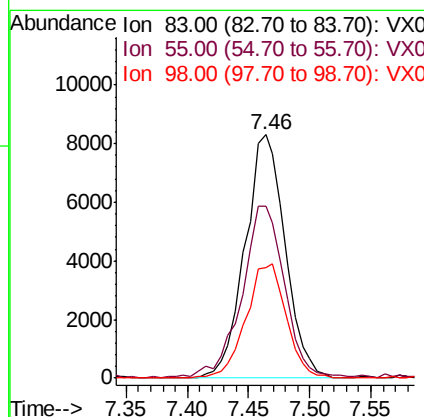
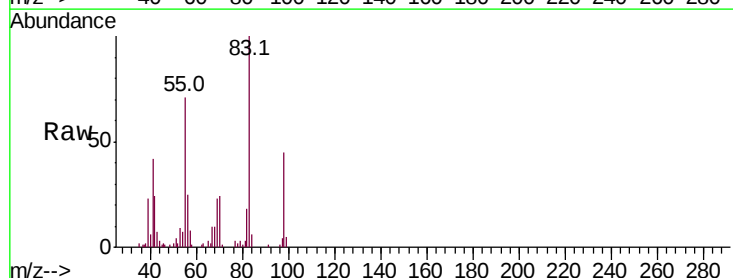
RT: 7.46 min Scan# 1035

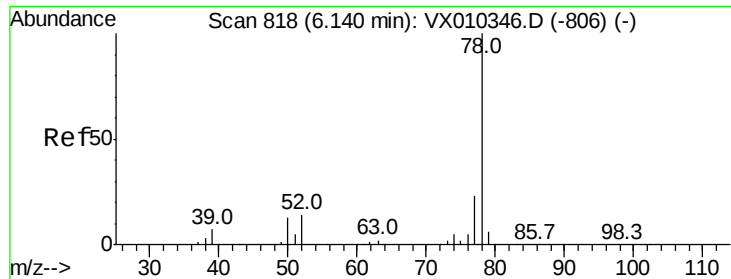
Delta R.T. 0.00 min

Lab File: VX010543.D

Acq: 28 Jun 2019 18:31

Tgt Ion:	83	Resp:	19018
Ion Ratio	Lower	Upper	
83	100		
55	69.8	53.0	79.6
98	45.3	37.8	56.8





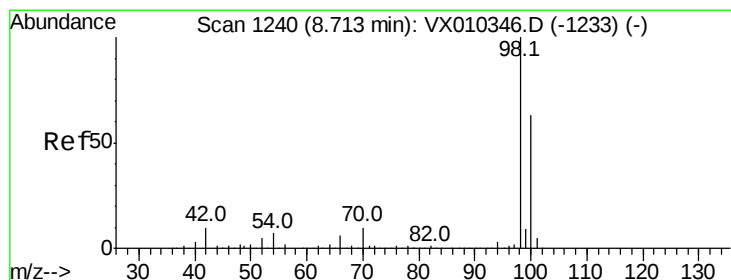
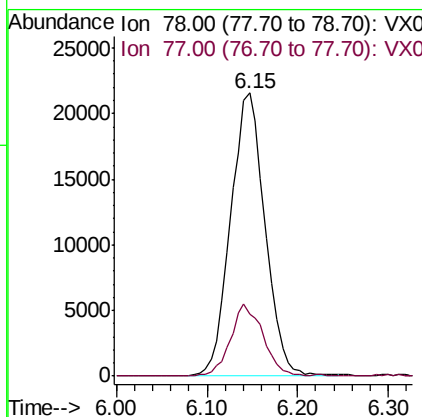
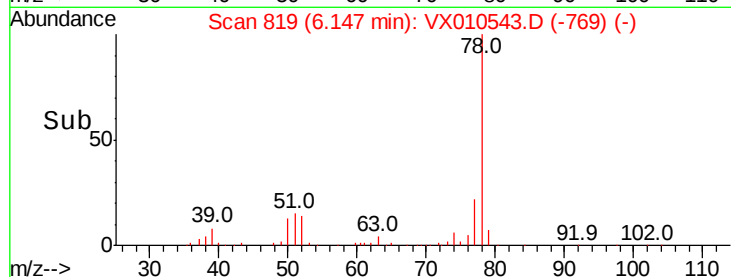
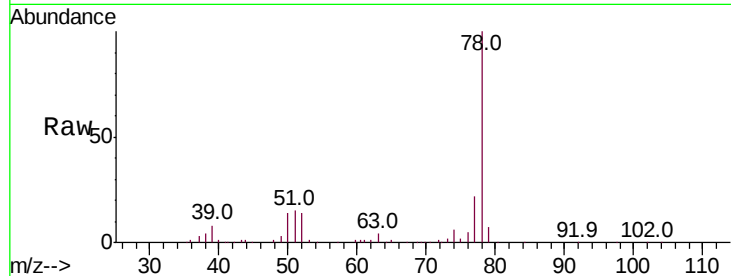
#40
Benzene
Concen: 6.073 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX010543.D
Acq: 28 Jun 2019 18:31

Instrument :
MSVOA_X
ClientSampled :
RW-1

Tot Ion: 78 Resp: 56854
Ion Ratio Lower Upper
78 100
77 22.1 18.6 28.0

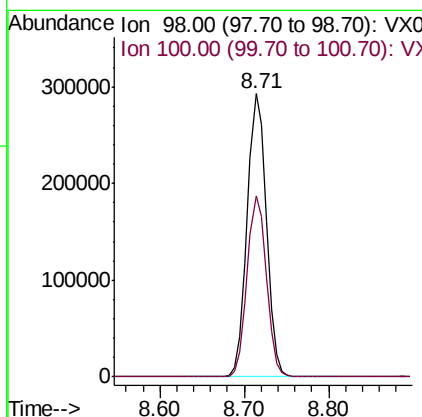
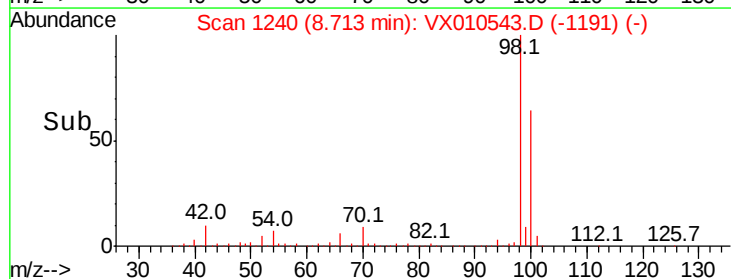
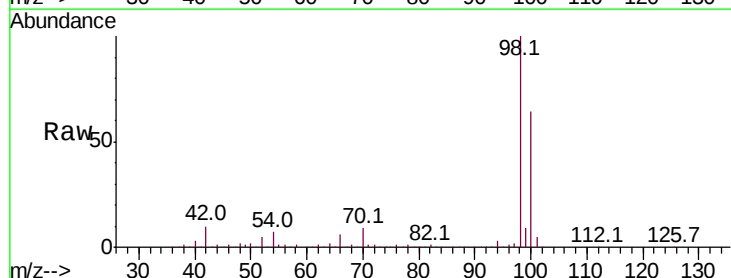
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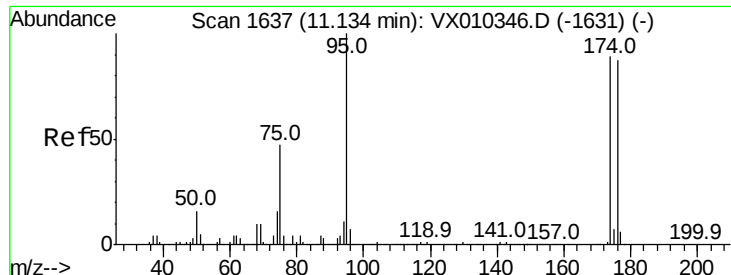
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#50
Toluene-d8
Concen: 50.237 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010543.D
Acq: 28 Jun 2019 18:31

Tgt Ion: 98 Resp: 444644
Ion Ratio Lower Upper
98 100
100 64.4 51.6 77.4





#62

4-Bromofluorobenzene

Concen: 48.833 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010543.D

Acq: 28 Jun 2019 18:31

Instrument :

MSVOA_X

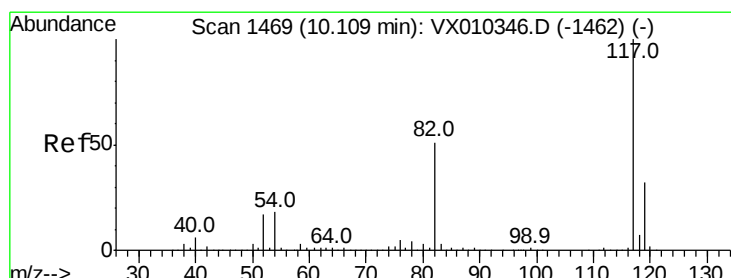
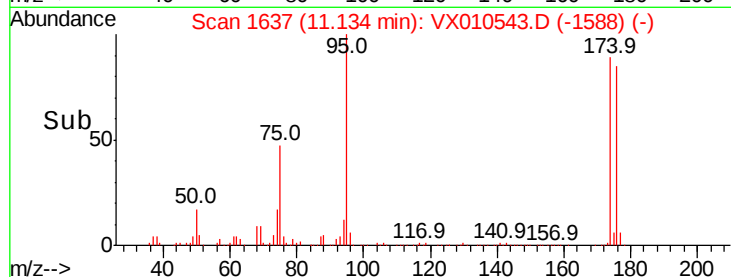
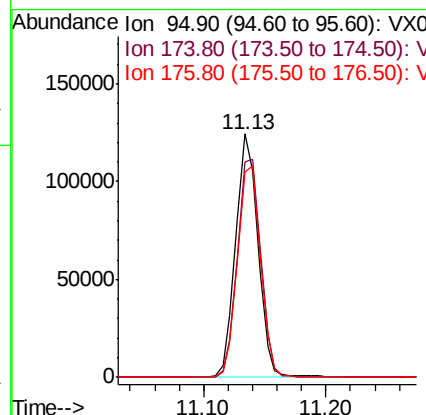
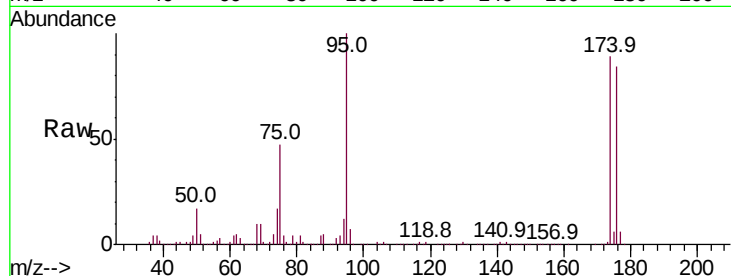
ClientSampleId :

RW-1

Tot Ion:	95	Resp:	156044
Ion Ratio	Lower	Upper	
95	100		
174	94.1	0.0	187.6
176	89.8	0.0	184.0

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

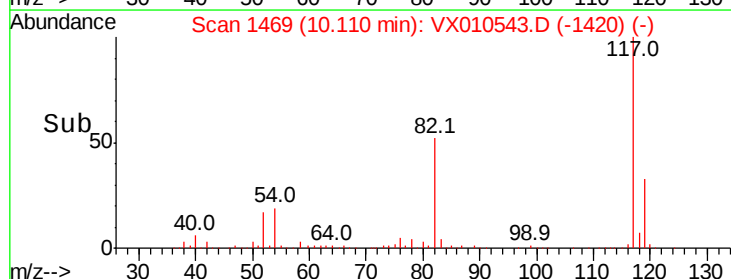
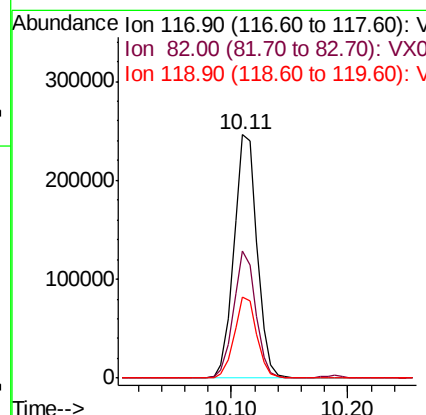
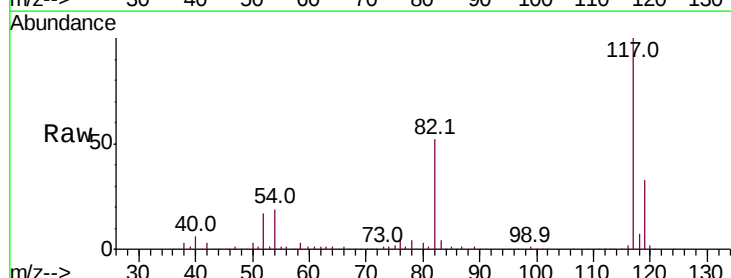
RT: 10.11 min Scan# 1469

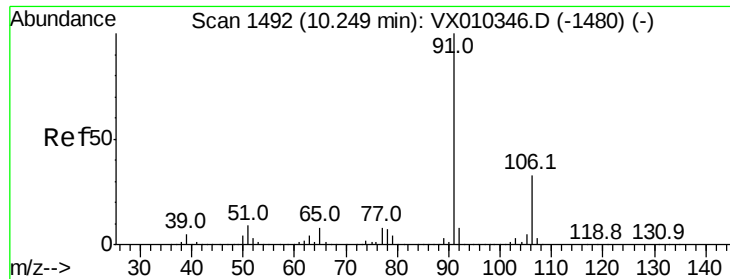
Delta R.T. 0.00 min

Lab File: VX010543.D

Acq: 28 Jun 2019 18:31

Tgt Ion:	117	Resp:	339852
Ion Ratio	Lower	Upper	
117	100		
82	52.3	41.2	61.8
119	33.4	25.5	38.3





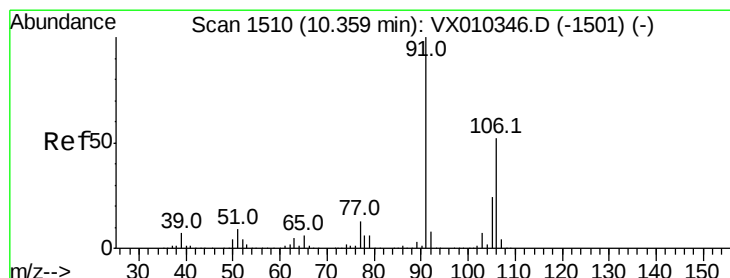
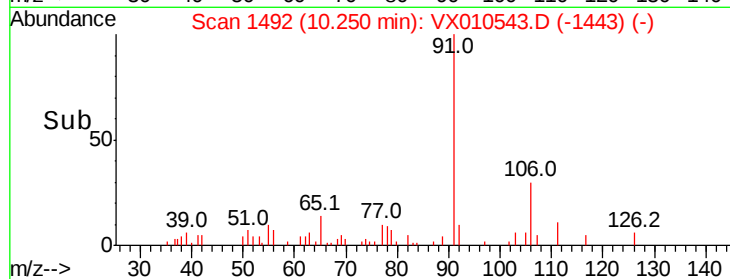
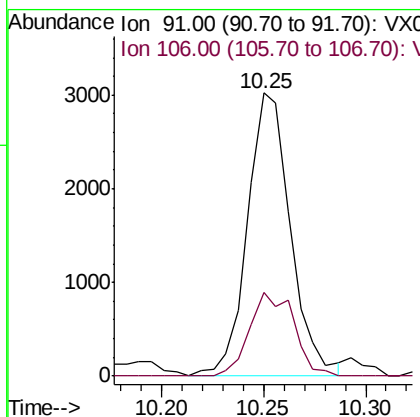
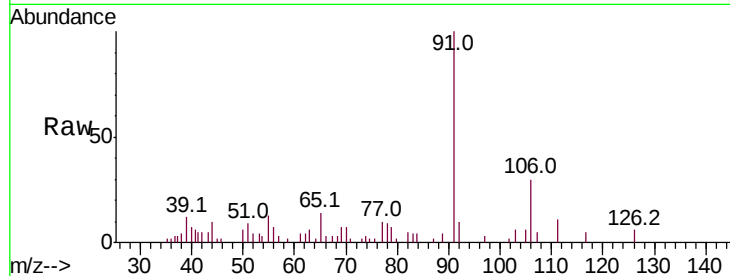
#67
Ethyl Benzene
Concen: 0.382 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010543.D
Acq: 28 Jun 2019 18:31

Instrument :
MSVOA_X
ClientSampleId :
RW-1

Tot Ion: 91 Resp: 4445
Ion Ratio Lower Upper
91 100
106 29.6 26.2 39.2

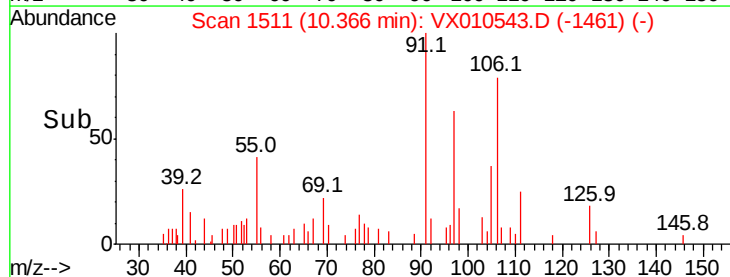
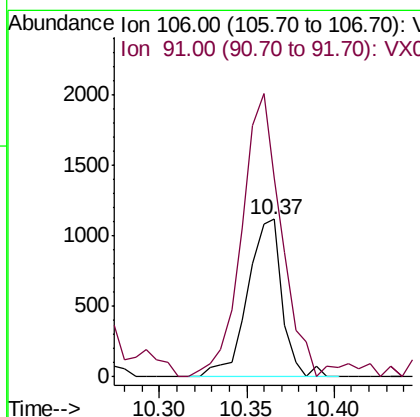
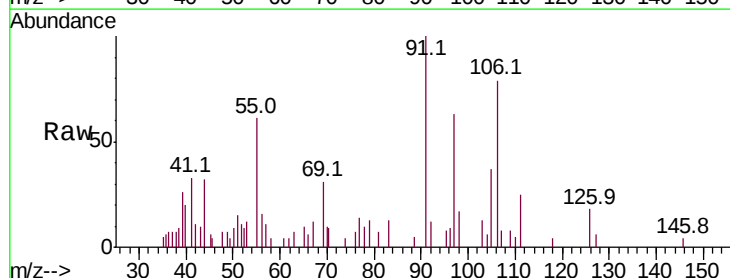
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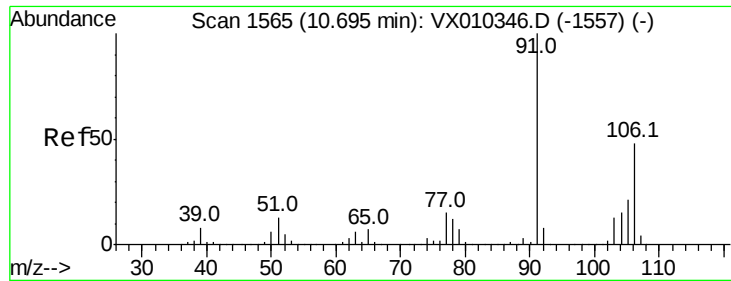
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#68
m/p-Xylenes
Concen: 0.340 ug/l
RT: 10.37 min Scan# 1511
Delta R.T. 0.01 min
Lab File: VX010543.D
Acq: 28 Jun 2019 18:31

Tgt Ion: 106 Resp: 1535
Ion Ratio Lower Upper
106 100
91 206.9 155.3 232.9





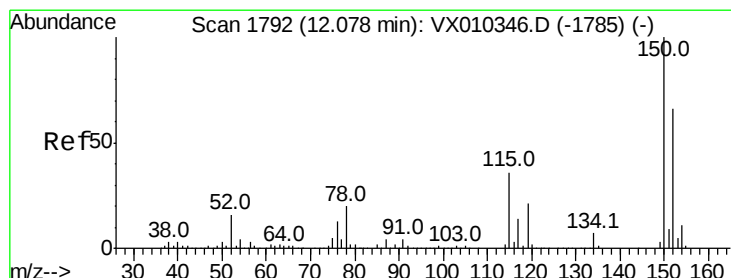
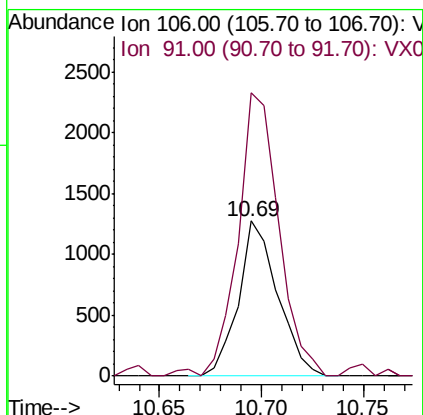
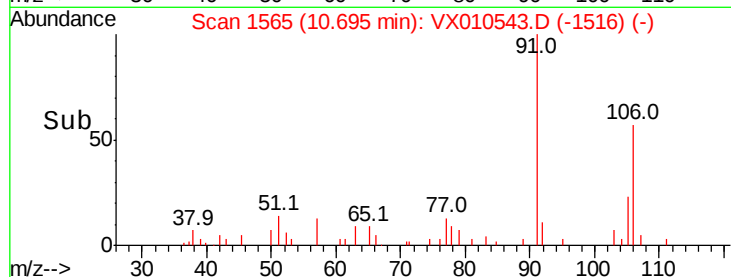
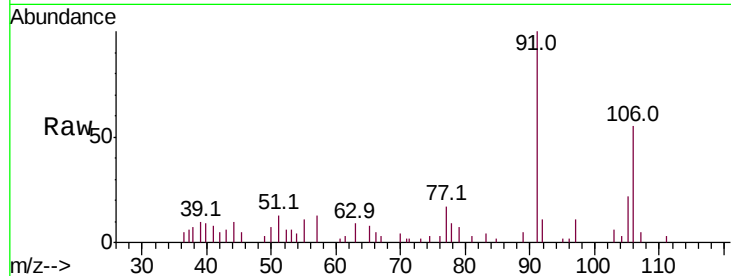
#69
o-Xylene
Concen: 0.385 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010543.D
Acq: 28 Jun 2019 18:31

Instrument :
MSVOA_X
ClientSampled :
RW-1

Tot Ion:106 Resp: 1707
Ion Ratio Lower Upper
106 100
91 190.1 102.7 308.1

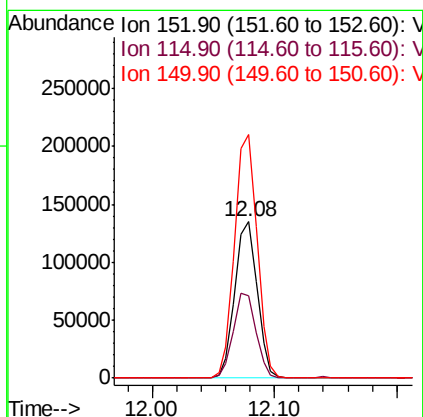
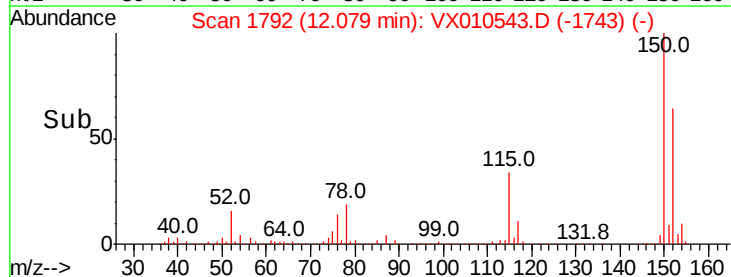
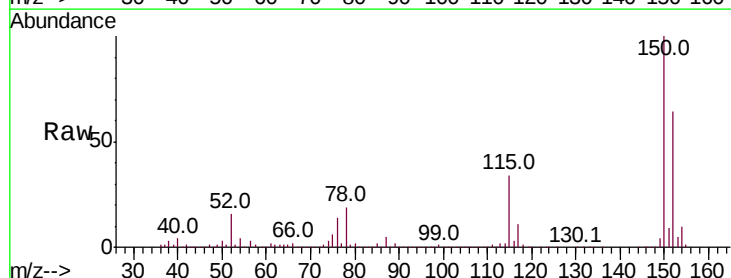
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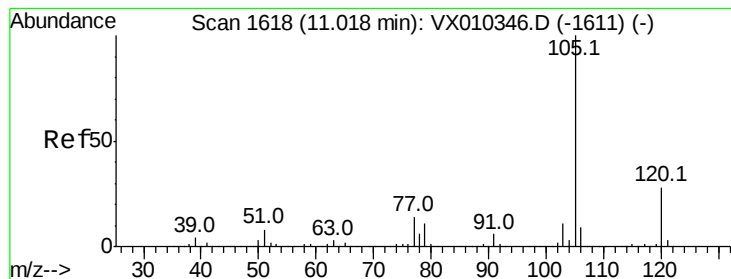
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010543.D
Acq: 28 Jun 2019 18:31

Tgt Ion:152 Resp: 169662
Ion Ratio Lower Upper
152 100
115 55.0 38.6 115.7
150 157.7 0.0 347.4





#73

Isopropylbenzene

Concen: 9.855 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010543.D

Acq: 28 Jun 2019 18:31

Instrument :

MSVOA_X

ClientSampled :

RW-1

Tot Ion: 105 Resp: 113342

Ion Ratio Lower Upper

105 100

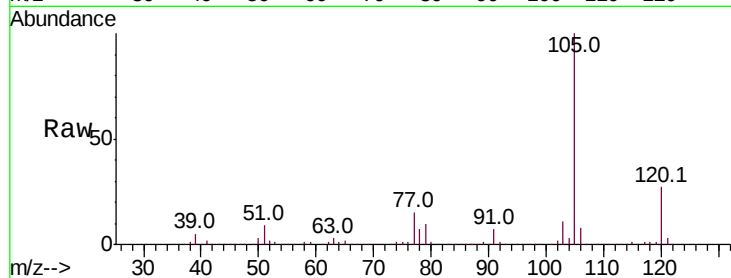
120 27.6 14.1 42.4

Manual Integrations

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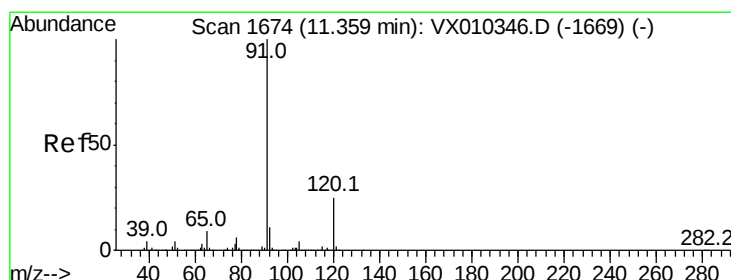
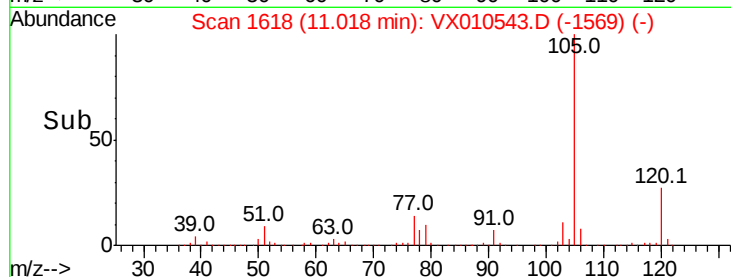
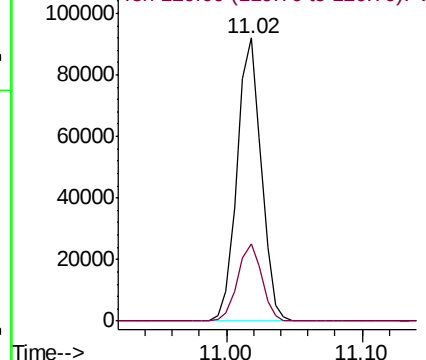
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 15.446 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010543.D

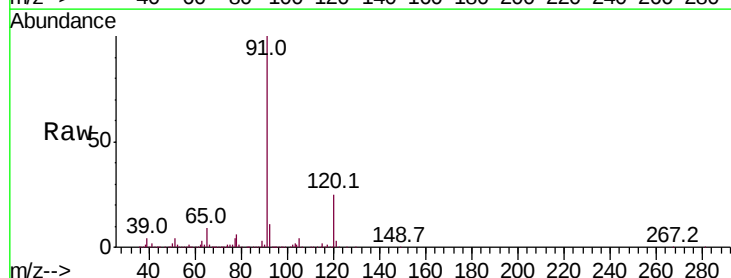
Acq: 28 Jun 2019 18:31

Tgt Ion: 91 Resp: 195244

Ion Ratio Lower Upper

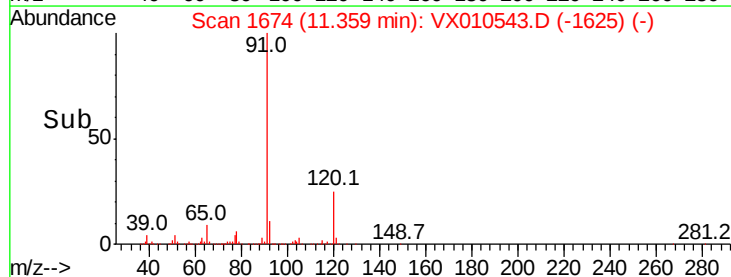
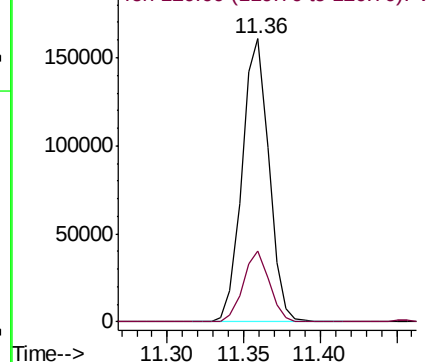
91 100

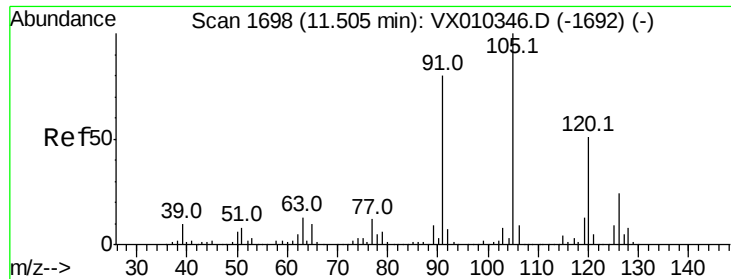
120 24.4 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





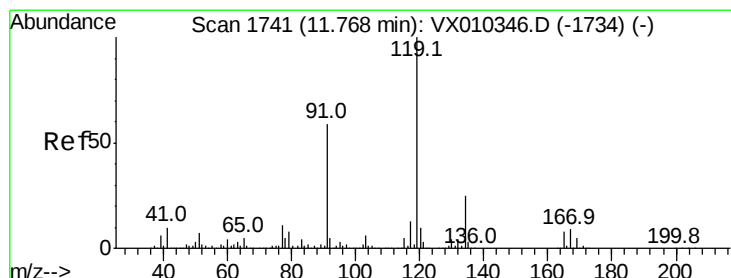
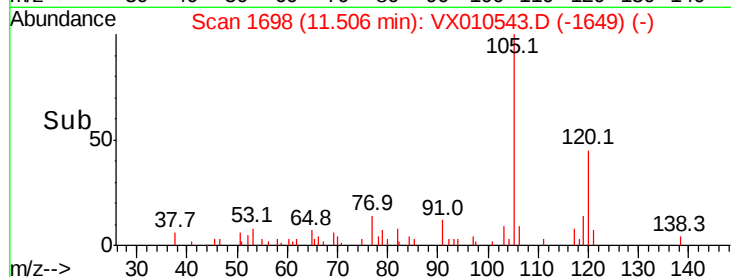
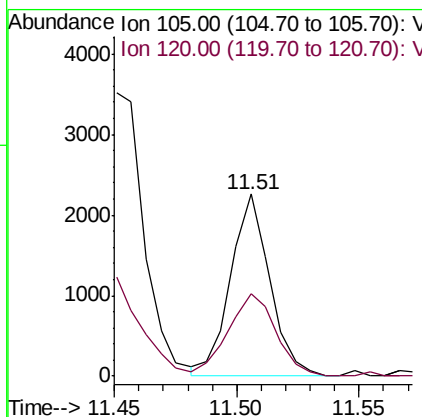
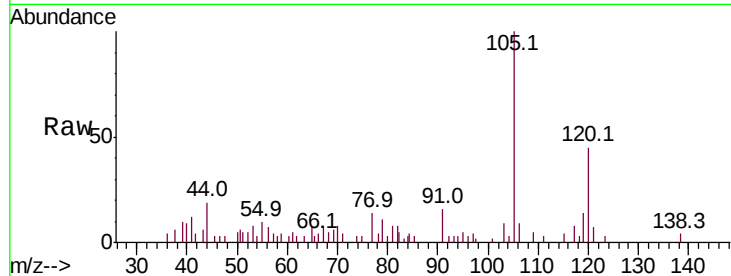
#80
1,3,5-Trimethylbenzene
Concen: 0.265 ug/l m
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX010543.D
Acq: 28 Jun 2019 18:31

Instrument :
MSVOA_X
ClientSampleId :
RW-1

Tot Ion:105 Resp: 2516
Ion Ratio Lower Upper
105 100
120 73.8 25.2 75.6

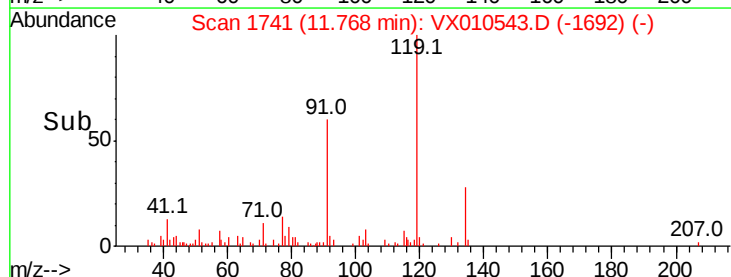
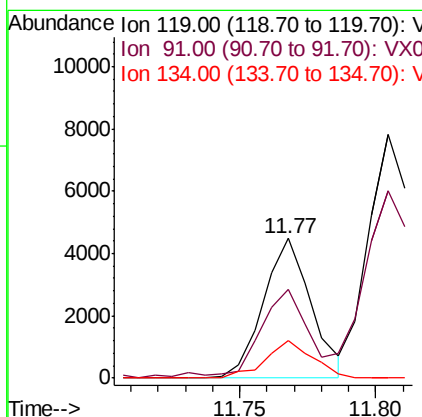
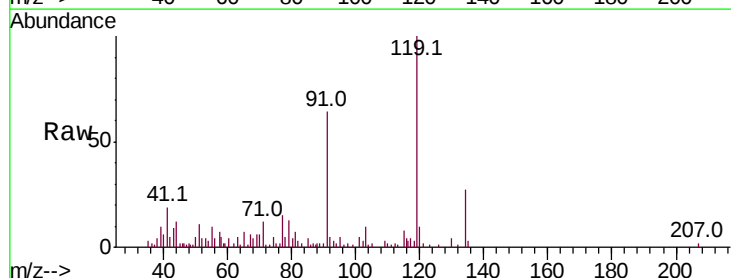
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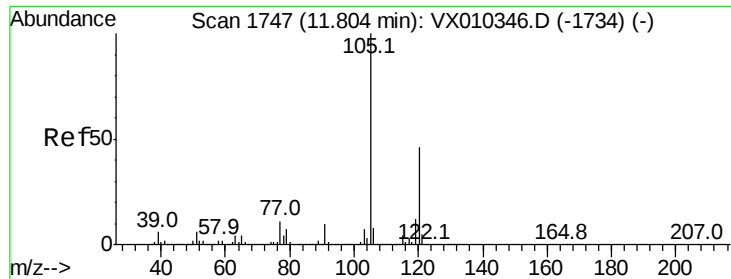
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#83
tert-Butylbenzene
Concen: 0.574 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010543.D
Acq: 28 Jun 2019 18:31

Tgt Ion:119 Resp: 5467
Ion Ratio Lower Upper
119 100
91 64.1 27.6 82.7
134 26.4 11.8 35.4





#84

1,2,4-Trimethylbenzene

Concen: 7.655 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010543.D

Acq: 28 Jun 2019 18:31

Instrument :

MSVOA_X

ClientSampleId :

RW-1

Tot Ion:105 Resp: 72919

Ion Ratio Lower Upper

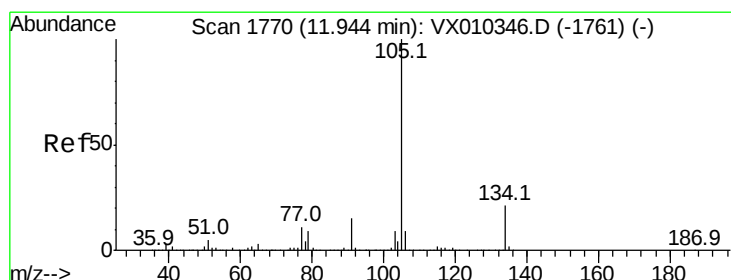
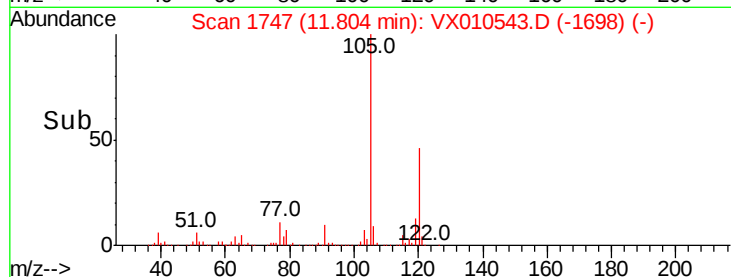
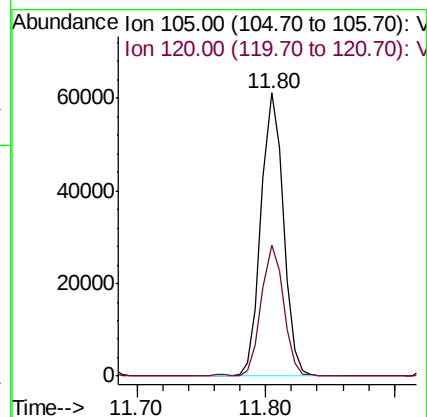
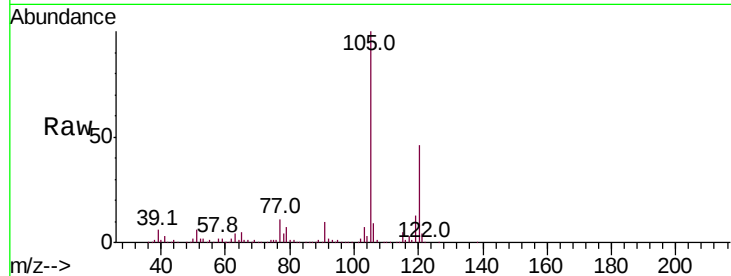
105 100

120 46.4 23.1 69.2

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#85

sec-Butylbenzene

Concen: 6.602 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010543.D

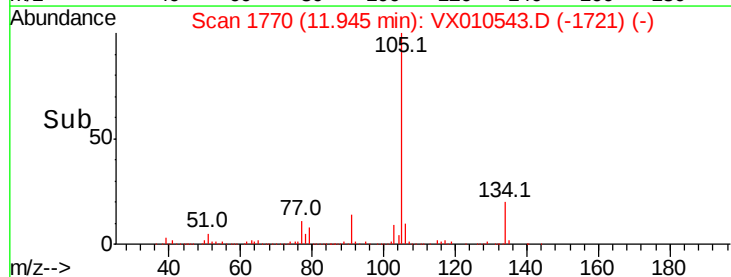
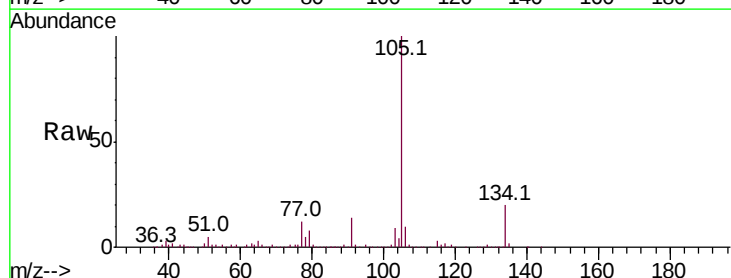
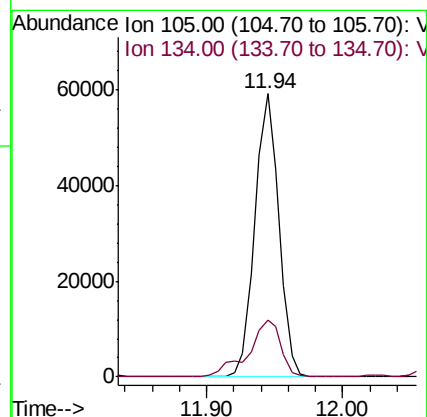
Acq: 28 Jun 2019 18:31

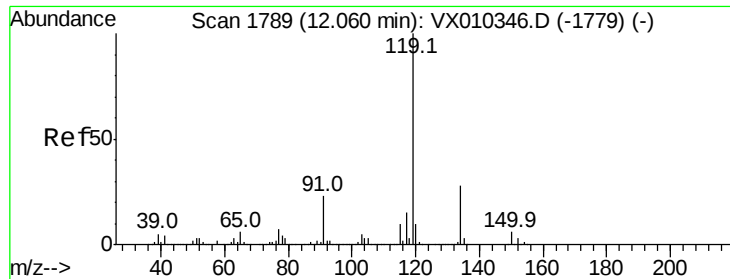
Tgt Ion:105 Resp: 73761

Ion Ratio Lower Upper

105 100

134 27.0 10.7 31.9





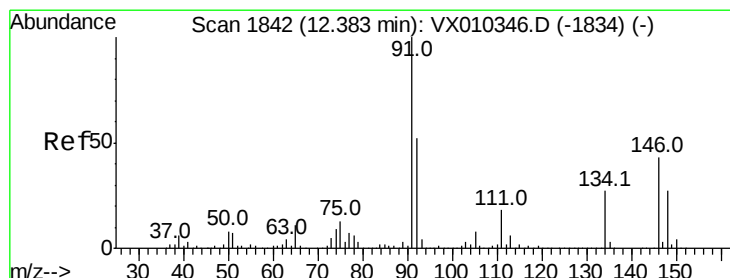
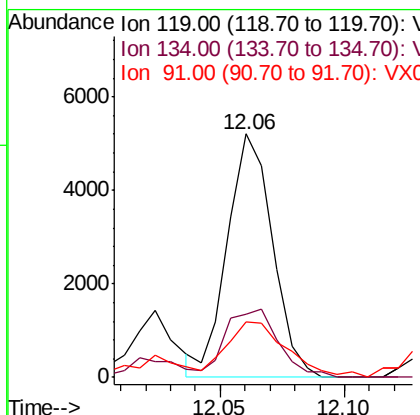
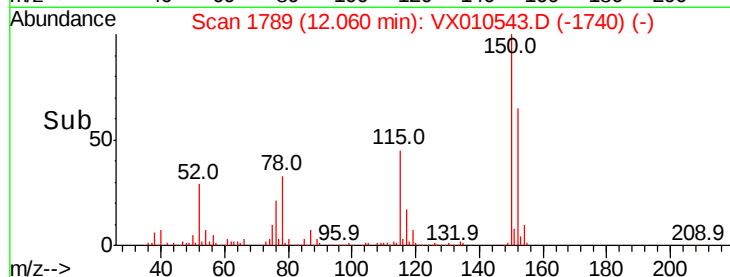
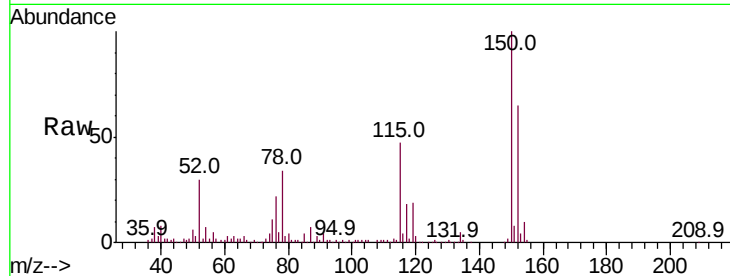
#86
p-Isopropyltoluene
Concen: 0.631 ug/l m
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX010543.D
Acq: 28 Jun 2019 18:31

Instrument :
MSVOA_X
ClientSampleId :
RW-1

Tot Ion	Ratio	Lower	Upper
119	100		
134	85.3	13.7	41.1#
91	74.5	11.3	33.8#

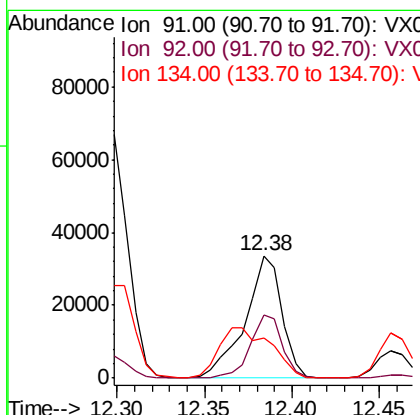
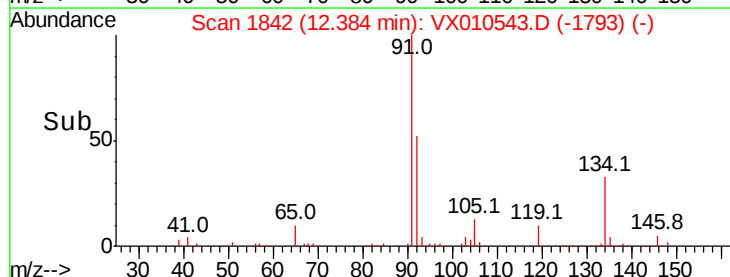
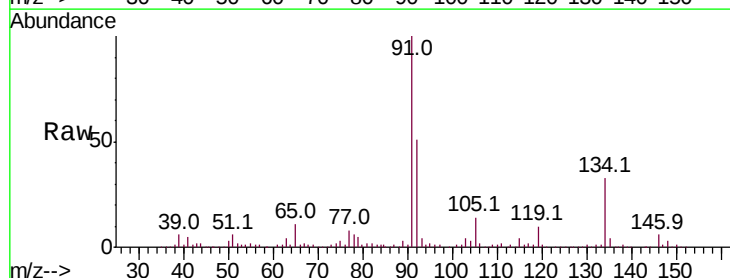
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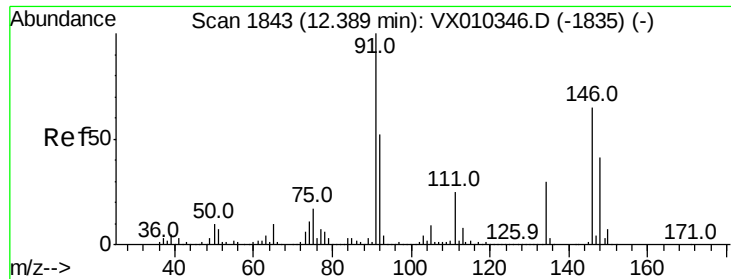
MMDadoda
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#89
n-Butylbenzene
Concen: 5.564 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010543.D
Acq: 28 Jun 2019 18:31

Tgt Ion	Ratio	Lower	Upper
91	100		
92	44.9	26.2	78.5
134	58.7	14.1	42.4#





#91
 1,2-Dichlorobenzene
 Concen: 0.493 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010543.D
 Acq: 28 Jun 2019 18:31

Instrument :
 MSVOA_X
 ClientSampleId :
 RW-1

Tot Ion	Ratio	Lower	Upper
146	100		
111	51.4	19.2	57.6
148	67.1	32.0	96.0

Manual Integrations
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