

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021919\
 Data File : VX007615.D
 Acq On : 19 Feb 2019 16:04
 Operator : JC/SP
 Sample : K1528-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

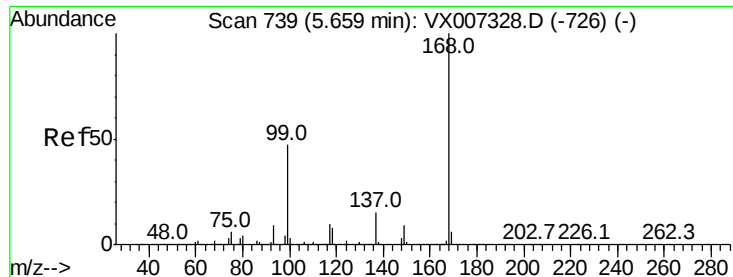
Manual Integrations
 APPROVED

MMDadoda
 2/21/2019 10:50:51 AM

Quant Time: Feb 21 04:31:40 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	549723	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	828179	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	862501	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	490257	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	269115	46.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.24%	
35) Dibromofluoromethane	5.51	113	246133	45.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.36%	
50) Toluene-d8	8.72	98	1114527	55.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.50%	
62) 4-Bromofluorobenzene	11.14	95	441415	60.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.94%	
Target Compounds						
					Qvalue	
25) 2-Butanone	4.70	43	37354	9.820	ug/l	96
31) Cyclohexane	5.58	56	2741999	337.943	ug/l	98
39) Methylcyclohexane	7.46	83	1406404	156.433	ug/l	96
40) Benzene	6.15	78	9556	0.437	ug/l #	81
52) Toluene	8.79	92	23829965m	1687.389	ug/l	
67) Ethyl Benzene	10.25	91	22194023m	732.243	ug/l	
68) m/p-Xylenes	10.36	106	21889368m	1816.776	ug/l	
69) o-Xylene	10.71	106	9270720	799.639	ug/l	68
73) Isopropylbenzene	11.02	105	2971740	89.200	ug/l	99
78) n-propylbenzene	11.36	91	8535994	233.654	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	9699682	355.871	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	16324703m	589.948	ug/l	
85) sec-Butylbenzene	11.94	105	312171m	9.558	ug/l	
86) p-Isopropyltoluene	12.07	119	185977m	6.308	ug/l	
95) Naphthalene	13.83	128	13544559	409.657	ug/l #	89

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007615.D

Acq: 19 Feb 2019 16:04

Instrument :

MSVOA_X

ClientSampled :

MW-1

Tot Ion:168 Resp: 549723

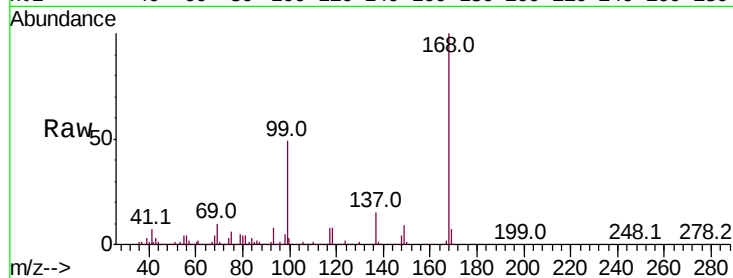
Ion Ratio Lower Upper

168 100

99 48.8 37.9 56.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

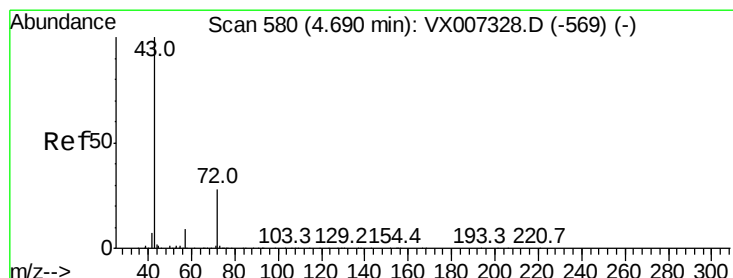
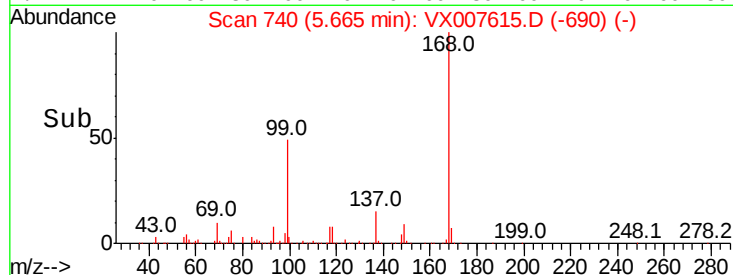
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#25

2-Butanone

Concen: 9.820 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007615.D

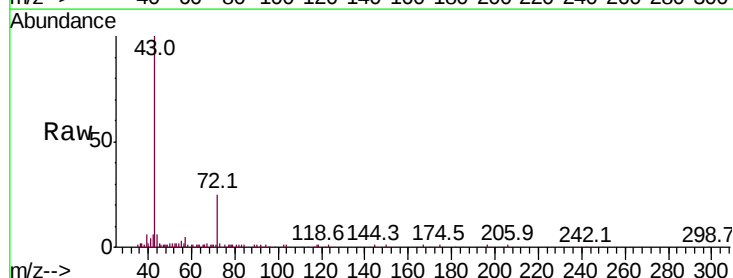
Acq: 19 Feb 2019 16:04

Tgt Ion: 43 Resp: 37354

Ion Ratio Lower Upper

43 100

72 25.5 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

15000

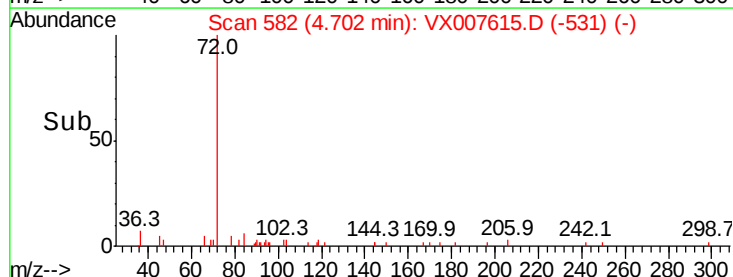
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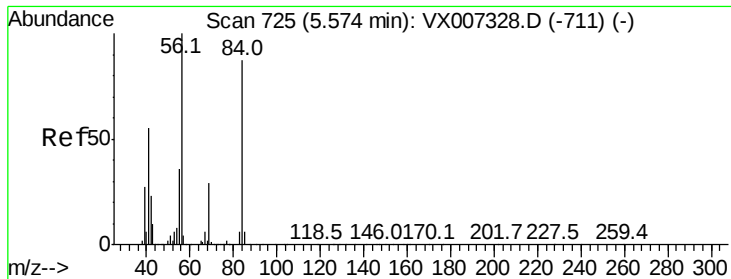
5000

0

4.60 4.70 4.80

Time-->





#31

Cyclohexane

Concen: 337.943 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX007615.D

Acq: 19 Feb 2019 16:04

Instrument :

MSVOA_X

ClientSampled :

MW-1

Tot Ion: 56 Resp: 2741999

Ion Ratio Lower Upper

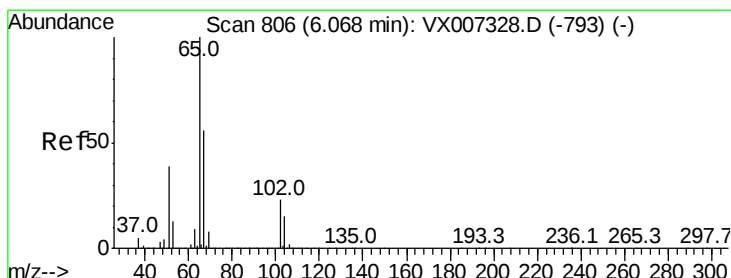
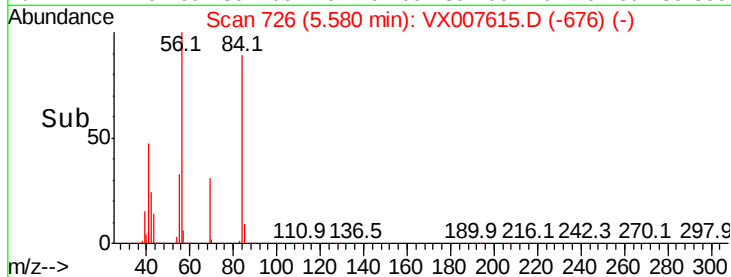
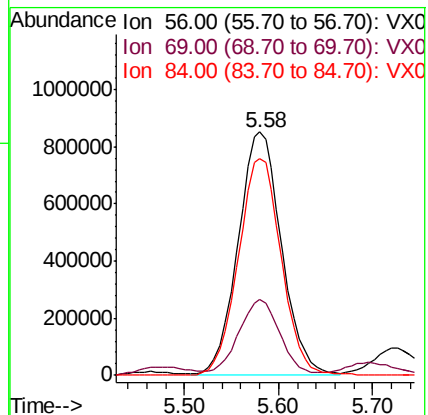
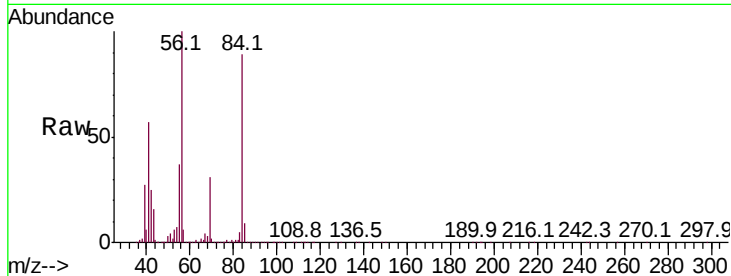
56 100

69 29.0 23.0 34.6

84 89.6 69.8 104.6

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#33

1,2-Dichloroethane-d4

Concen: 46.122 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007615.D

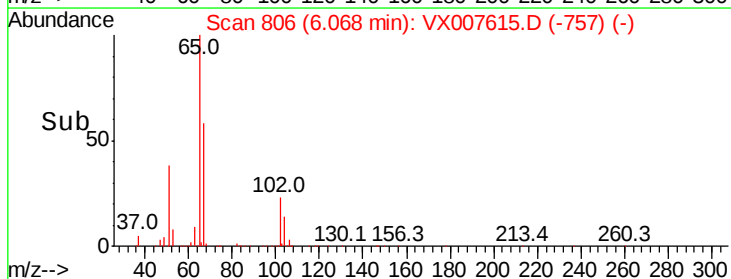
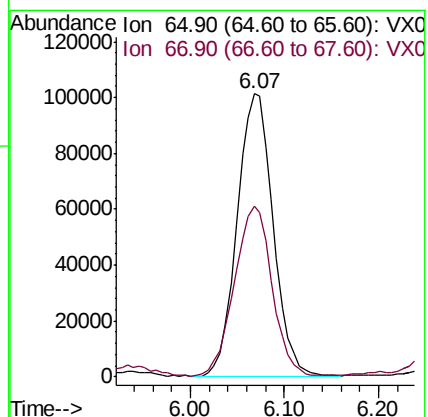
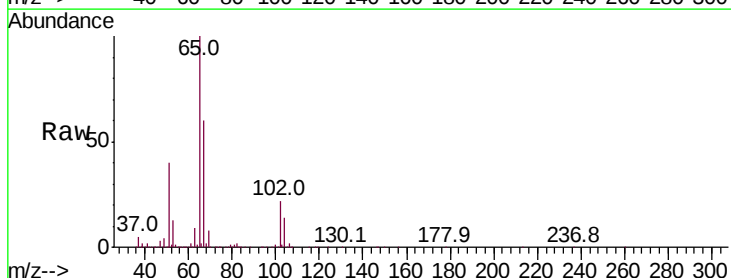
Acq: 19 Feb 2019 16:04

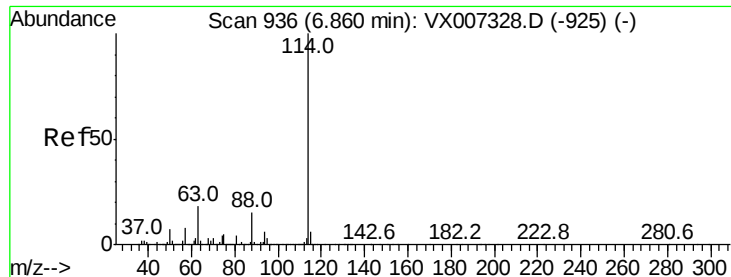
Tgt Ion: 65 Resp: 269115

Ion Ratio Lower Upper

65 100

67 62.6 0.0 108.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007615.D

Acq: 19 Feb 2019 16:04

Instrument :

MSVOA_X

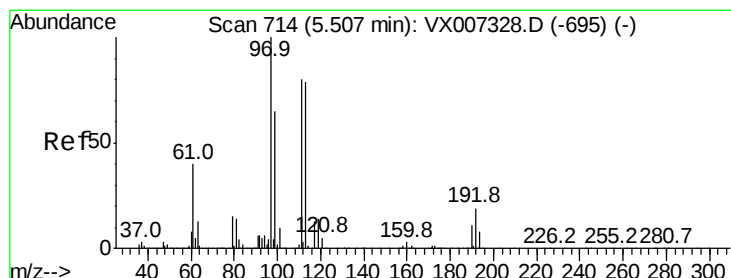
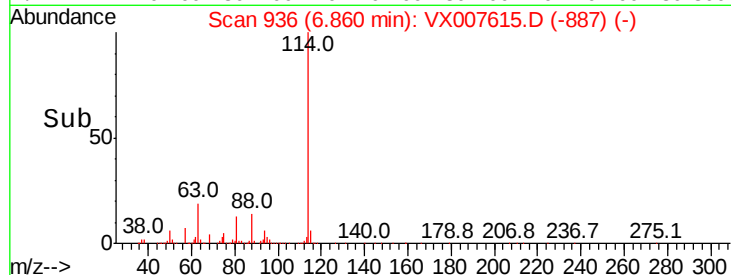
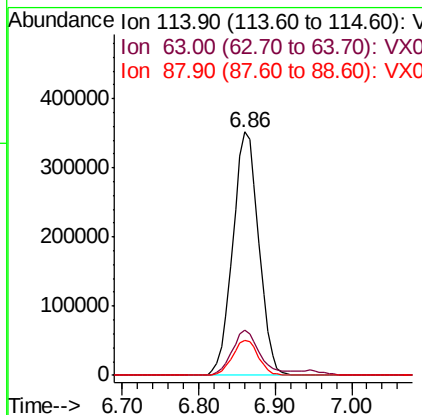
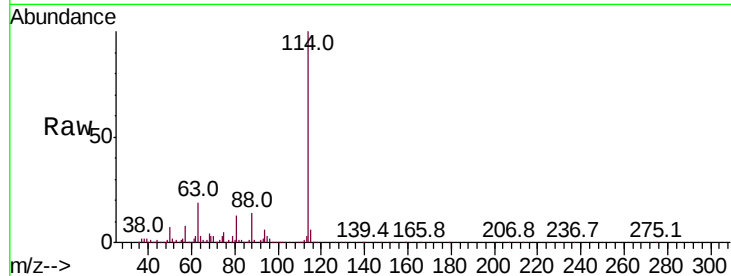
ClientSampleId :

MW-1

Tot Ion:	114	Resp:	828179
Ion Ratio	Lower	Upper	
114	100		
63	18.5	0.0	35.6
88	14.5	0.0	29.6

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#35

Dibromofluoromethane

Concen: 45.676 ug/l

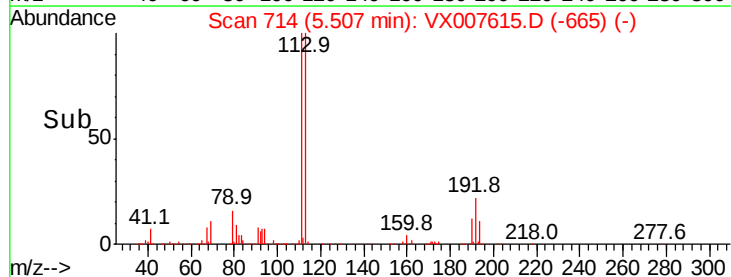
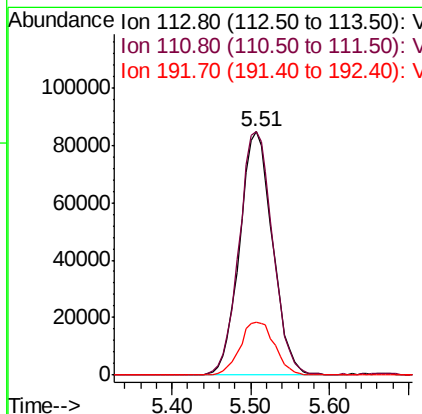
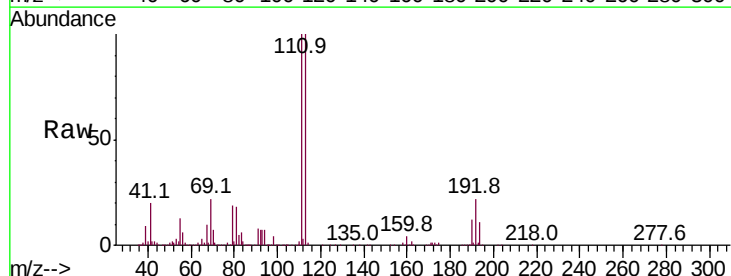
RT: 5.51 min Scan# 714

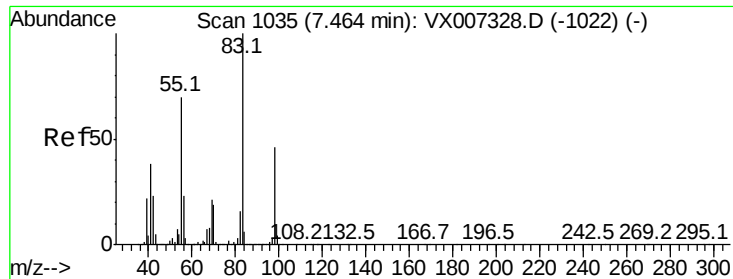
Delta R.T. 0.00 min

Lab File: VX007615.D

Acq: 19 Feb 2019 16:04

Tgt Ion:	113	Resp:	246133
Ion Ratio	Lower	Upper	
113	100		
111	102.0	81.8	122.8
192	22.9	18.5	27.7





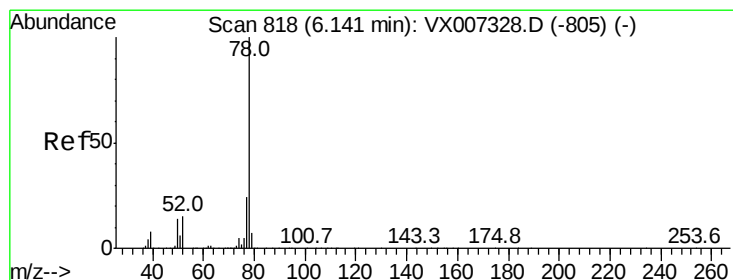
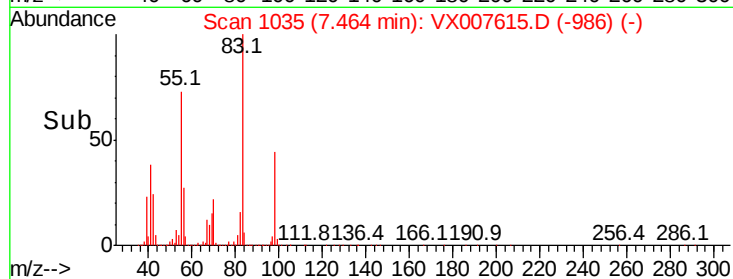
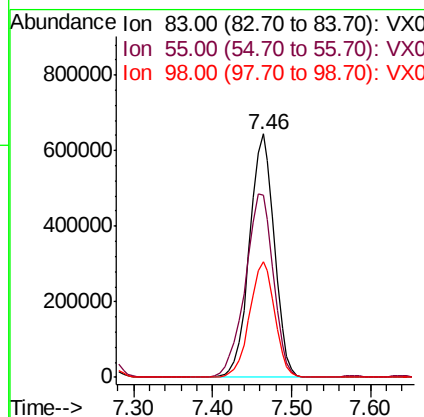
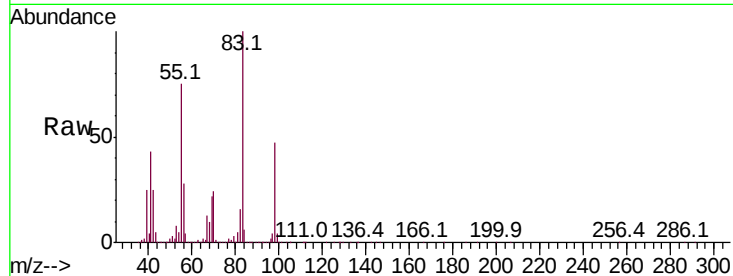
#39
Methvlcvclohexane
Concen: 156.433 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007615.D
Acq: 19 Feb 2019 16:04

Instrument :
MSVOA_X
ClientSampleId :
MW-1

Tot Ion	83	Resp	1406404
Ion Ratio	100	Lower	Upper
83	100		
55	74.8	56.2	84.2
98	47.3	36.8	55.2

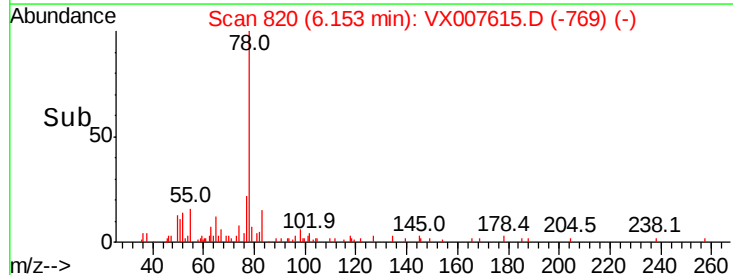
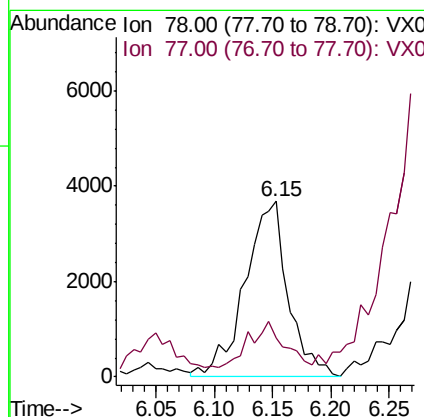
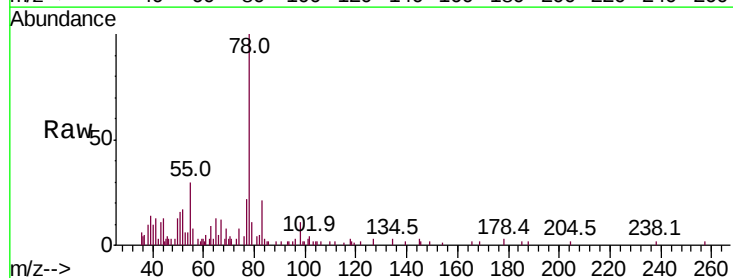
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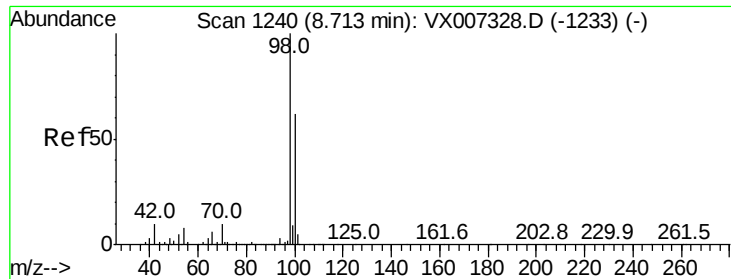
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#40
Benzene
Concen: 0.437 ug/l
RT: 6.15 min Scan# 820
Delta R.T. 0.01 min
Lab File: VX007615.D
Acq: 19 Feb 2019 16:04

Tgt Ion	78	Resp	9556
Ion Ratio	100	Lower	Upper
78	100		
77	14.6	19.3	28.9#





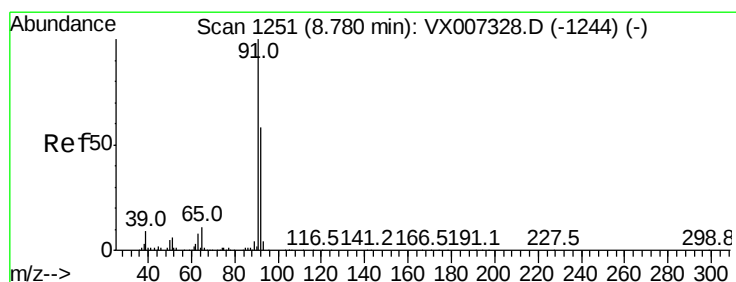
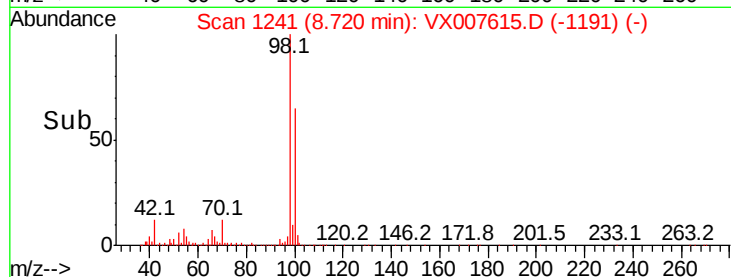
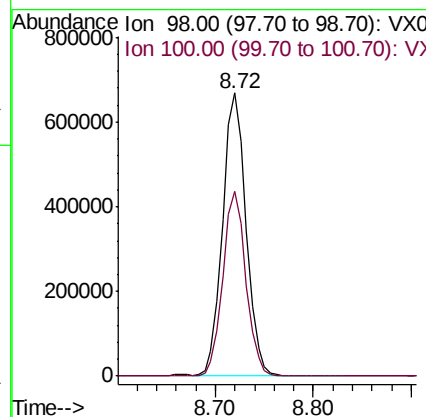
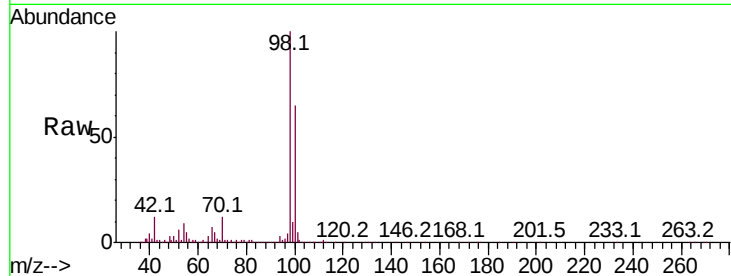
#50
Toluene-d8
Concen: 55.746 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX007615.D
Acq: 19 Feb 2019 16:04

Instrument :
MSVOA_X
ClientSampleId :
MW-1

Tot Ion: 98 Resp: 1114527
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4

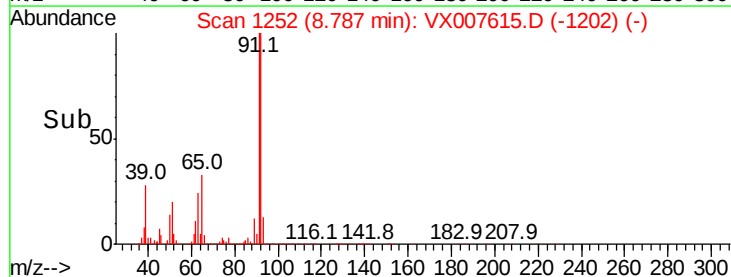
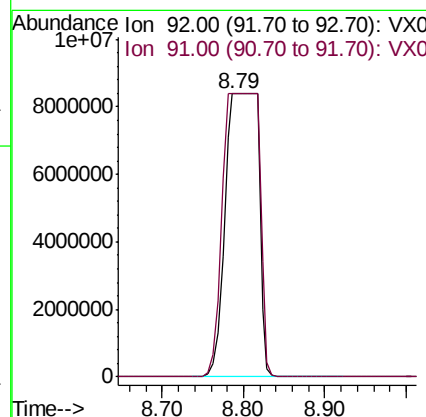
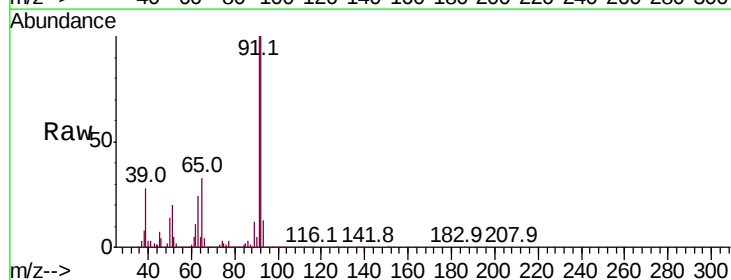
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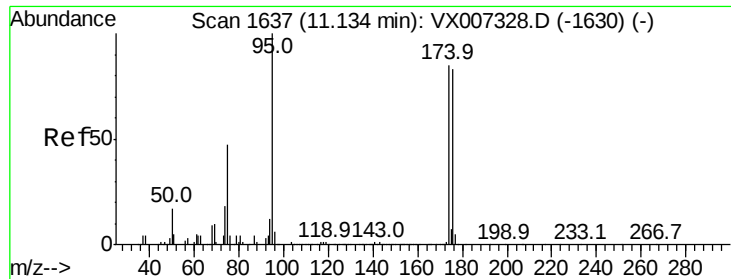
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#52
Toluene
Concen: 1687.389 ug/l m
RT: 8.79 min Scan# 1252
Delta R.T. 0.01 min
Lab File: VX007615.D
Acq: 19 Feb 2019 16:04

Tgt Ion: 92 Resp: 23829965
Ion Ratio Lower Upper
92 100
91 0.0 139.1 208.7#





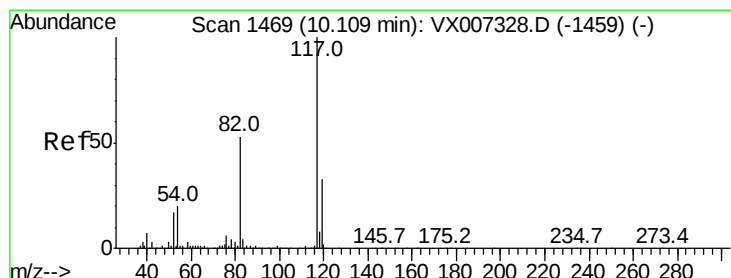
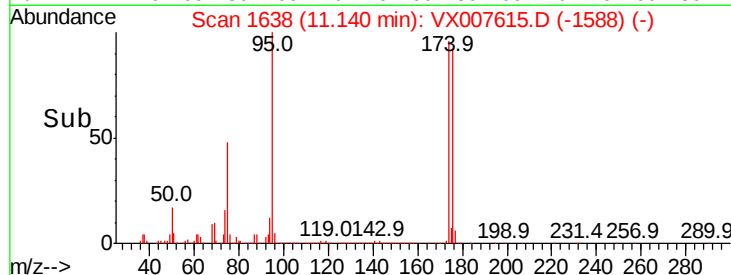
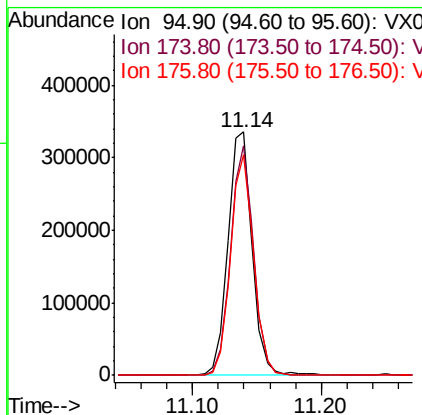
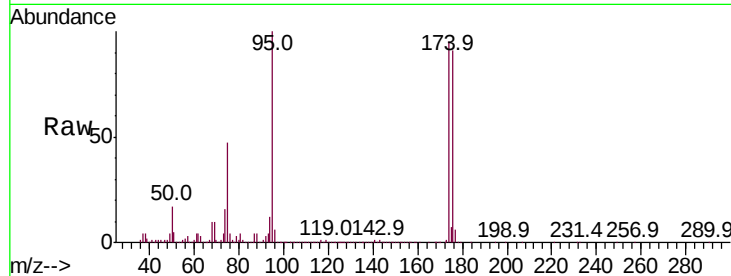
#62
4-Bromofluorobenzene
Concen: 60.473 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.01 min
Lab File: VX007615.D
Acq: 19 Feb 2019 16:04

Instrument :
MSVOA_X
ClientSampleId :
MW-1

Tot Ion	Ratio	Resp	Lower	Upper
95	100	441415		
174	89.5	0.0	189.2	
176	86.5	0.0	186.2	

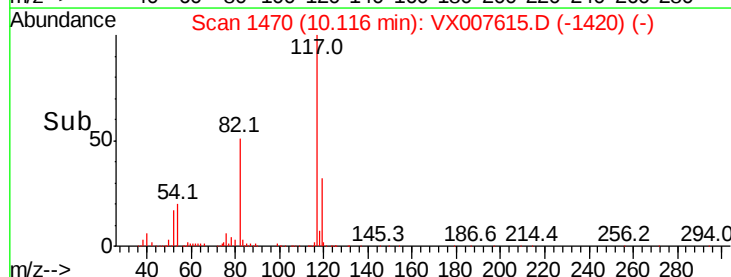
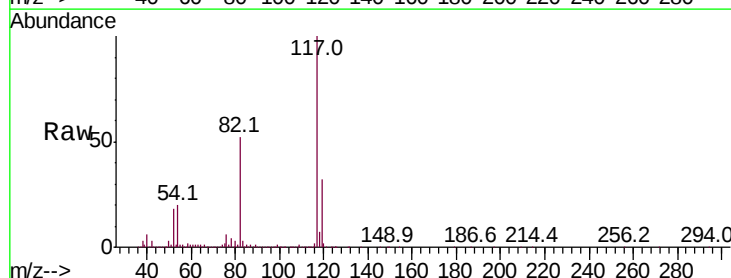
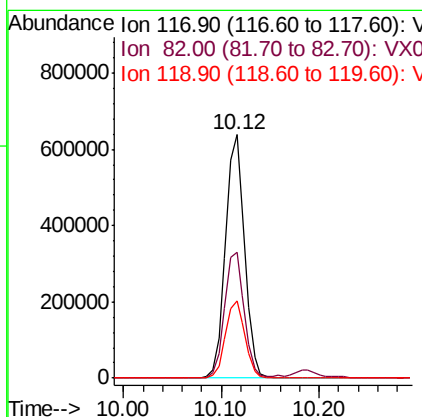
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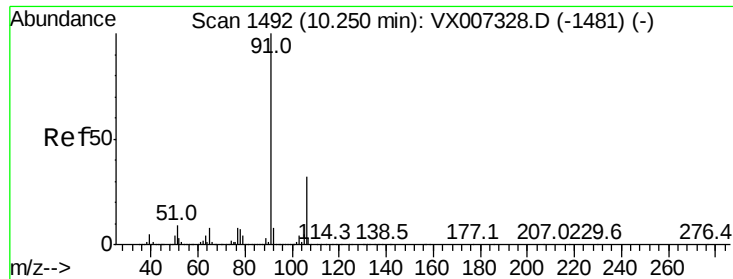
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007615.D
Acq: 19 Feb 2019 16:04

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	862501		
82	51.4	42.1	63.1	
119	31.8	26.5	39.7	





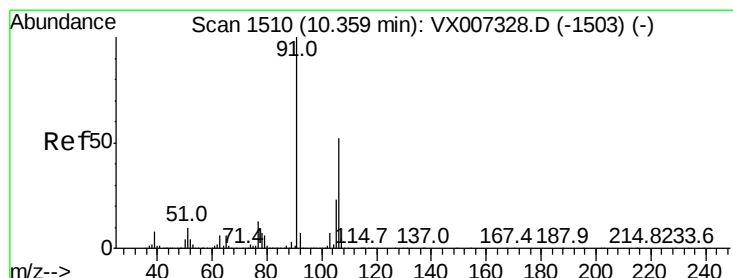
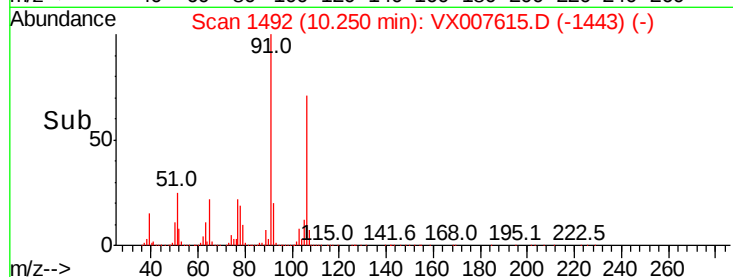
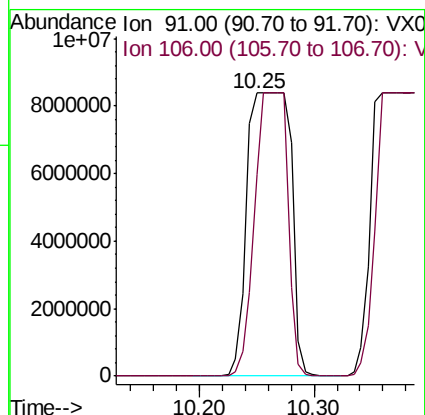
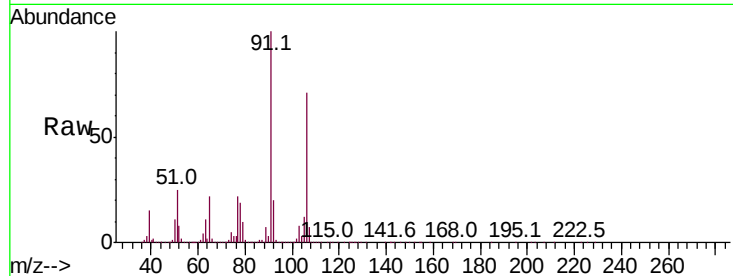
#67
Ethyl Benzene
Concen: 732.243 ug/l m
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX007615.D
Acq: 19 Feb 2019 16:04

Instrument :
MSVOA_X
ClientSampled :
MW-1

Tot Ion: 91 Resp:22194023
Ion Ratio Lower Upper
91 100
106 71.0 25.4 38.0#

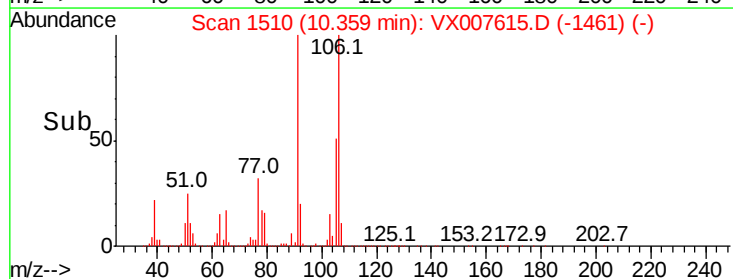
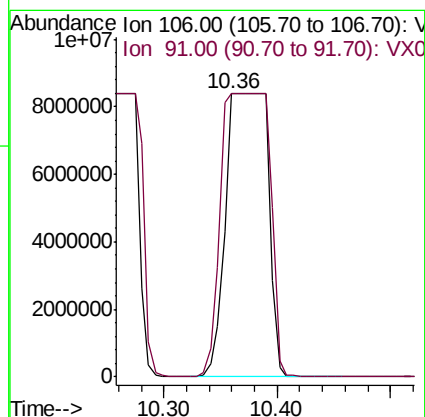
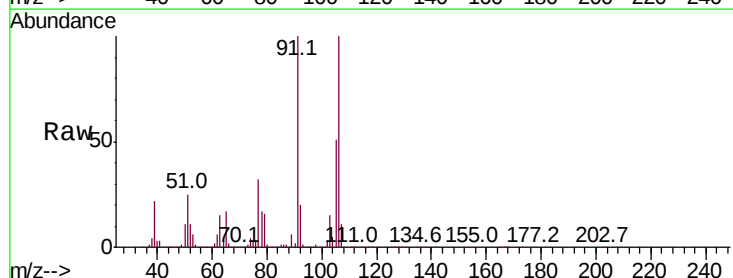
Manual Integrations
APPROVED

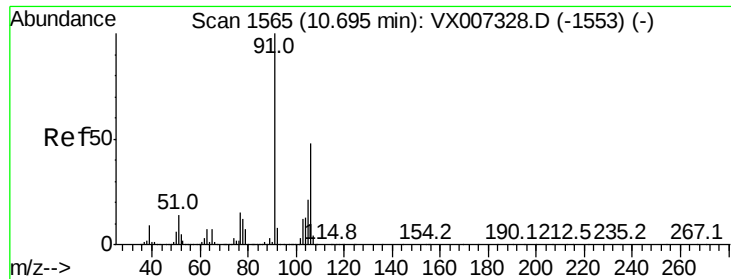
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#68
m/p-Xylenes
Concen: 1816.776 ug/l m
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX007615.D
Acq: 19 Feb 2019 16:04

Tgt Ion:106 Resp:21889368
Ion Ratio Lower Upper
106 100
91 0.0 156.6 234.8#





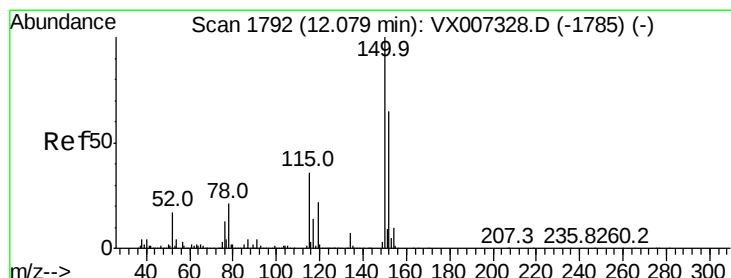
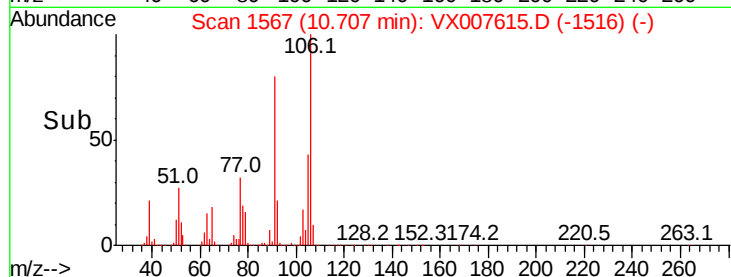
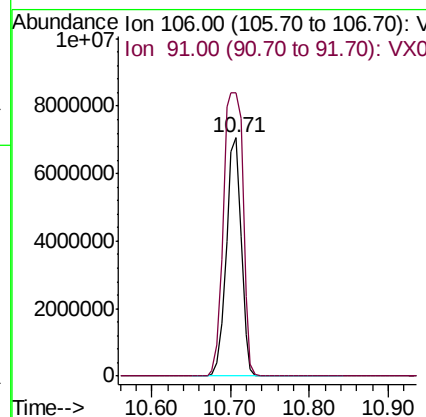
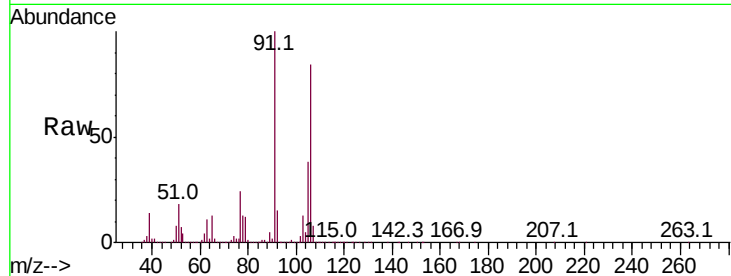
#69
o-Xylene
Concen: 799.639 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VX007615.D
Acq: 19 Feb 2019 16:04

Instrument :
MSVOA_X
Client Sample ID :
MW-1

Tot Ion:106 Resp: 9270720
Ion Ratio Lower Upper
106 100
91 157.0 102.9 308.7

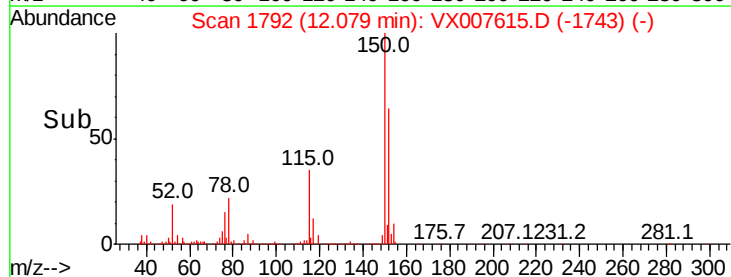
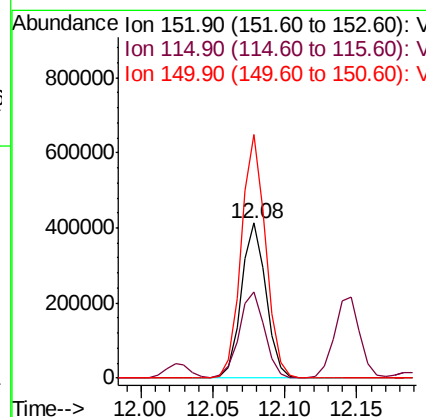
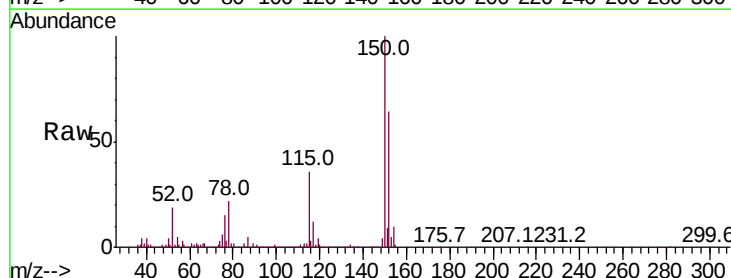
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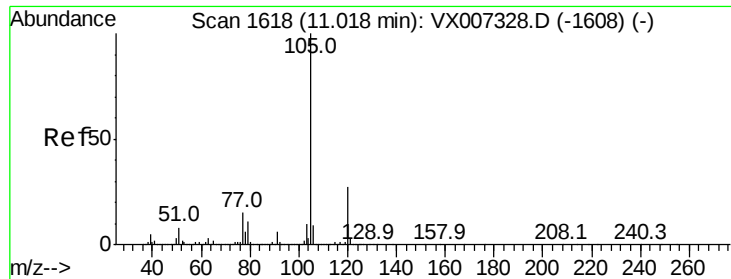
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007615.D
Acq: 19 Feb 2019 16:04

Tgt Ion:152 Resp: 490257
Ion Ratio Lower Upper
152 100
115 57.7 38.0 114.0
150 155.9 0.0 346.4





#73

Isopropylbenzene

Concen: 89.200 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007615.D

Acq: 19 Feb 2019 16:04

Instrument :

MSVOA_X

ClientSampled :

MW-1

Tot Ion:105 Resp: 2971740

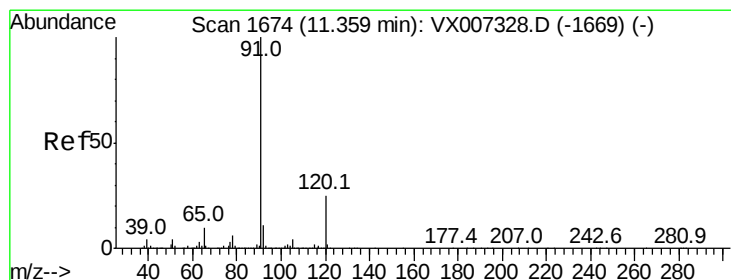
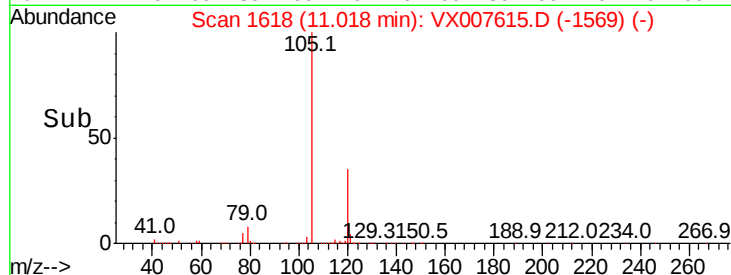
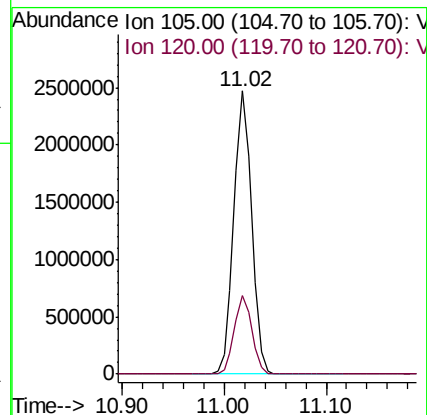
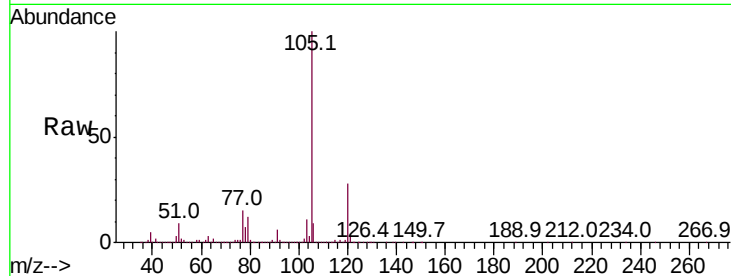
Ion Ratio Lower Upper

105 100

120 27.4 13.6 40.7

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#78

n-propylbenzene

Concen: 233.654 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007615.D

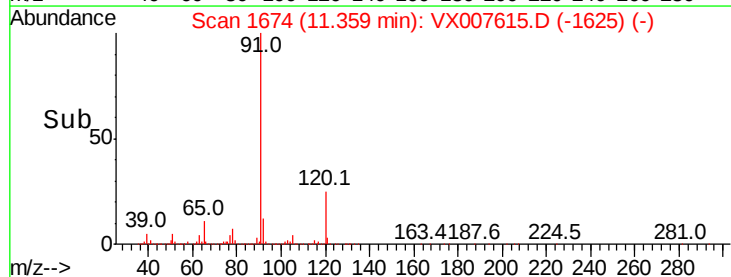
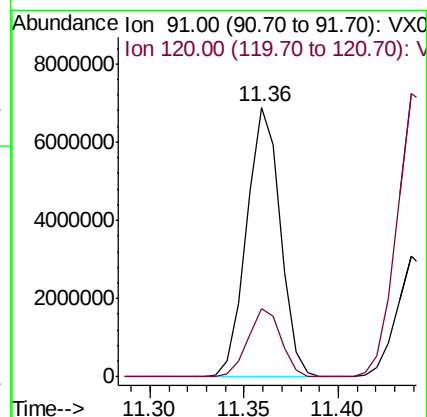
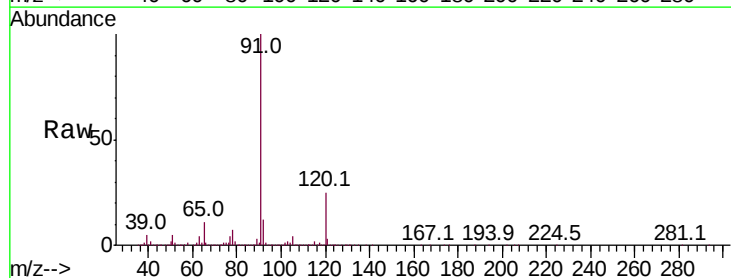
Acq: 19 Feb 2019 16:04

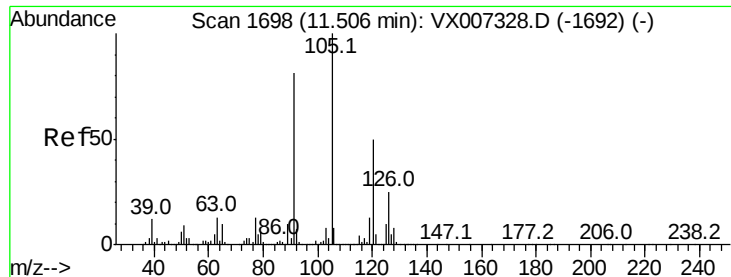
Tgt Ion: 91 Resp: 8535994

Ion Ratio Lower Upper

91 100

120 24.9 12.4 37.2





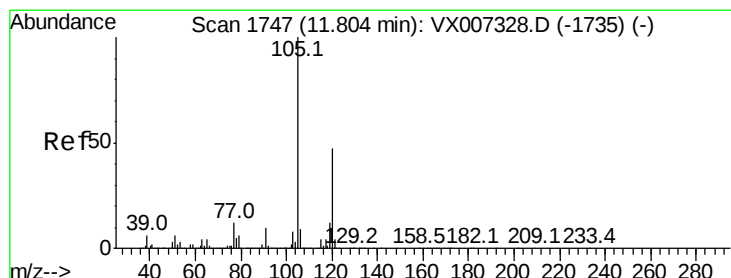
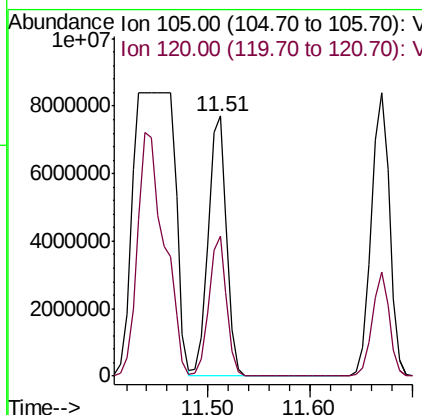
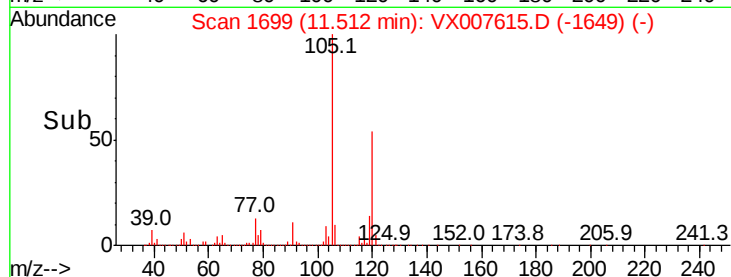
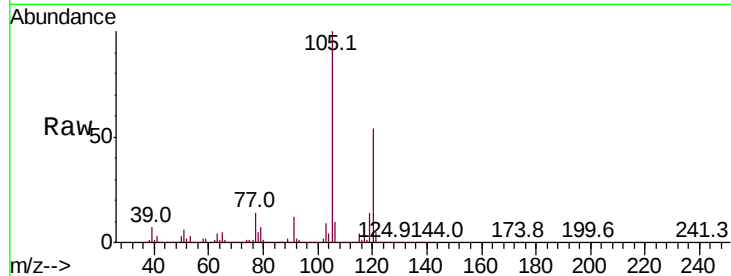
#80
 1,3,5-Trimethylbenzene
 Concen: 355.871 ug/l
 RT: 11.51 min Scan# 1699
 Delta R.T. 0.01 min
 Lab File: VX007615.D
 Acq: 19 Feb 2019 16:04

Instrument :
 MSVOA_X
 ClientSampled :
 MW-1

Tot Ion:105 Resp: 9699682
 Ion Ratio Lower Upper
 105 100
 120 51.8 25.3 75.8

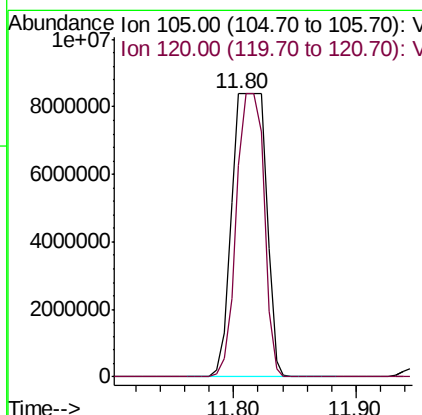
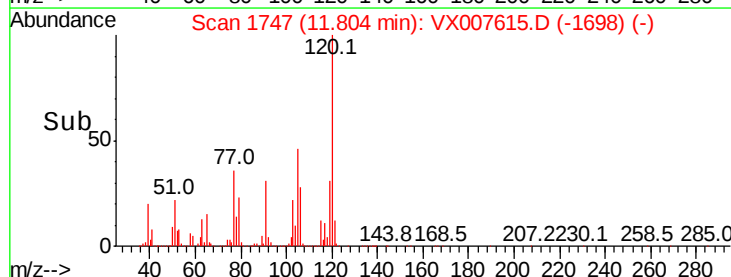
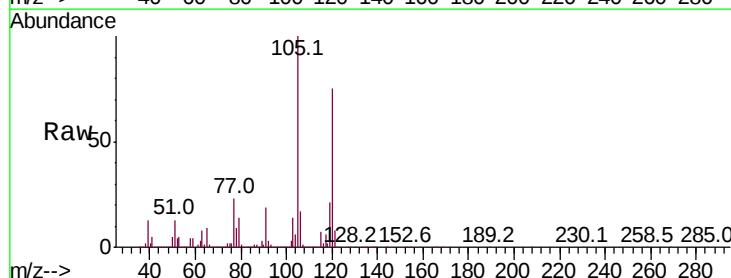
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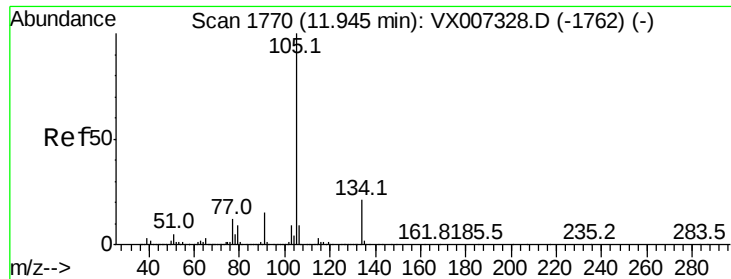
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#84
 1,2,4-Trimethylbenzene
 Concen: 589.948 ug/l m
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX007615.D
 Acq: 19 Feb 2019 16:04

Tgt Ion:105 Resp:16324703
 Ion Ratio Lower Upper
 105 100
 120 22.0 23.1 69.3#





#85

sec-Butylbenzene

Concen: 9.558 ug/l m

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007615.D

Acq: 19 Feb 2019 16:04

Instrument :

MSVOA_X

ClientSampled :

MW-1

Tot Ion:105 Resp: 312171

Ion Ratio Lower Upper

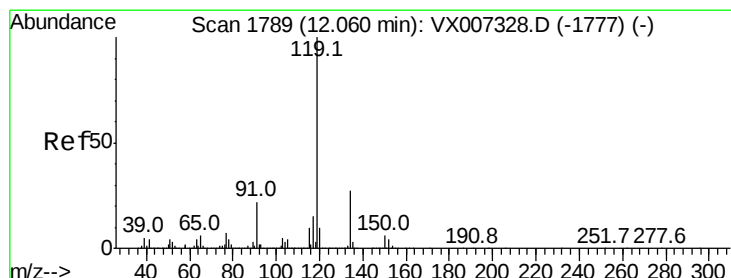
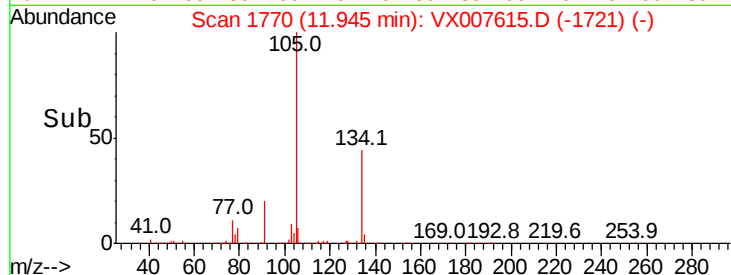
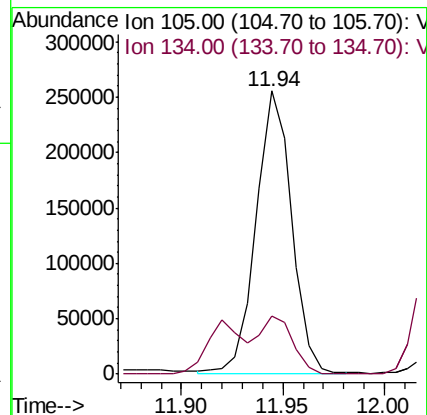
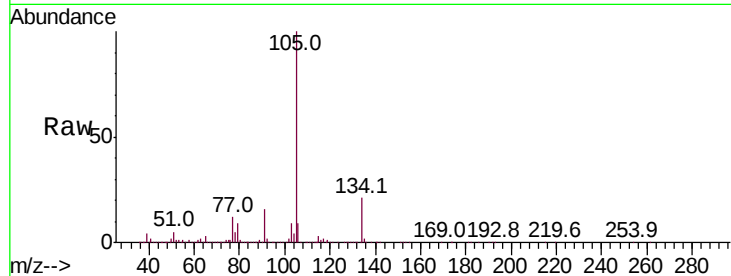
105 100

134 0.0 10.6 31.8#

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#86

p-Isopropyltoluene

Concen: 6.308 ug/l m

RT: 12.07 min Scan# 1790

Delta R.T. 0.01 min

Lab File: VX007615.D

Acq: 19 Feb 2019 16:04

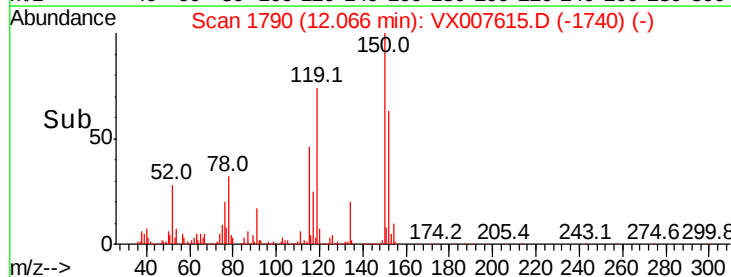
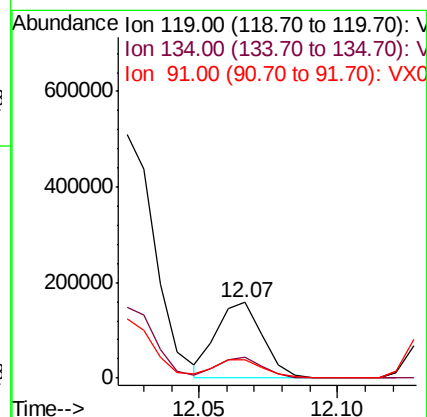
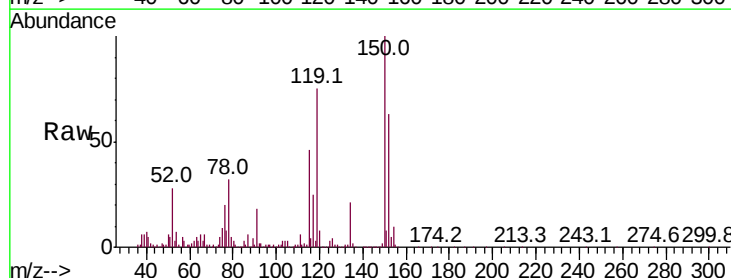
Tgt Ion:119 Resp: 185977

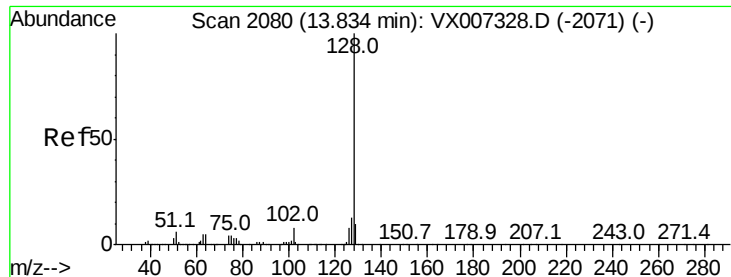
Ion Ratio Lower Upper

119 100

134 94.3 13.7 41.1#

91 78.6 11.2 33.5#





#95
Naphthalene
Concen: 409.657 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX007615.D
Acq: 19 Feb 2019 16:04

Instrument :
MSVOA_X
ClientSampleId :
MW-1

Tot Ion:128 Resp:13544559
Ion Ratio Lower Upper
128 100
127 17.6 10.5 15.7#
129 15.3 8.7 13.1#

Manual Integrations
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