

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX070319\
 Data File : VX010642.D
 Acq On : 03 Jul 2019 16:01
 Operator : JC/SP
 Sample : K3635-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP-24

Manual Integrations
 APPROVED

MMDadoda
 7/8/2019 2:41:05 PM

Quant Time: Jul 12 03:07:27 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	5.67	168	243637	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	371035	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	344414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	161344	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	121123	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	
35) Dibromofluoromethane	5.50	113	114686	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
50) Toluene-d8	8.71	98	446229	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
62) 4-Bromofluorobenzene	11.13	95	153960	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	17884	15.621	ug/l	98
25) 2-Butanone	4.68	43	10352	6.164	ug/l	93
27) cis-1,2-Dichloroethene	4.61	96	1134	0.432	ug/l	87
31) Cyclohexane	5.59	56	61881	18.754	ug/l	96
39) Methylcyclohexane	7.46	83	44494	11.480	ug/l	93
40) Benzene	6.15	78	65115	7.089	ug/l	98
52) Toluene	8.79	92	201058	33.237	ug/l	99
67) Ethyl Benzene	10.25	91	115276	9.765	ug/l	97
68) m/p-Xylenes	10.36	106	135567	29.639	ug/l	98
69) o-Xylene	10.70	106	85341	18.973	ug/l	97
73) Isopropylbenzene	11.02	105	16824	1.538	ug/l	98
78) n-propylbenzene	11.36	91	19814	1.648	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	33808	3.750	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	239962	26.490	ug/l	98
85) sec-Butylbenzene	11.94	105	6445m	0.607	ug/l	
95) Naphthalene	13.83	128	52497	4.649	ug/l	96

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

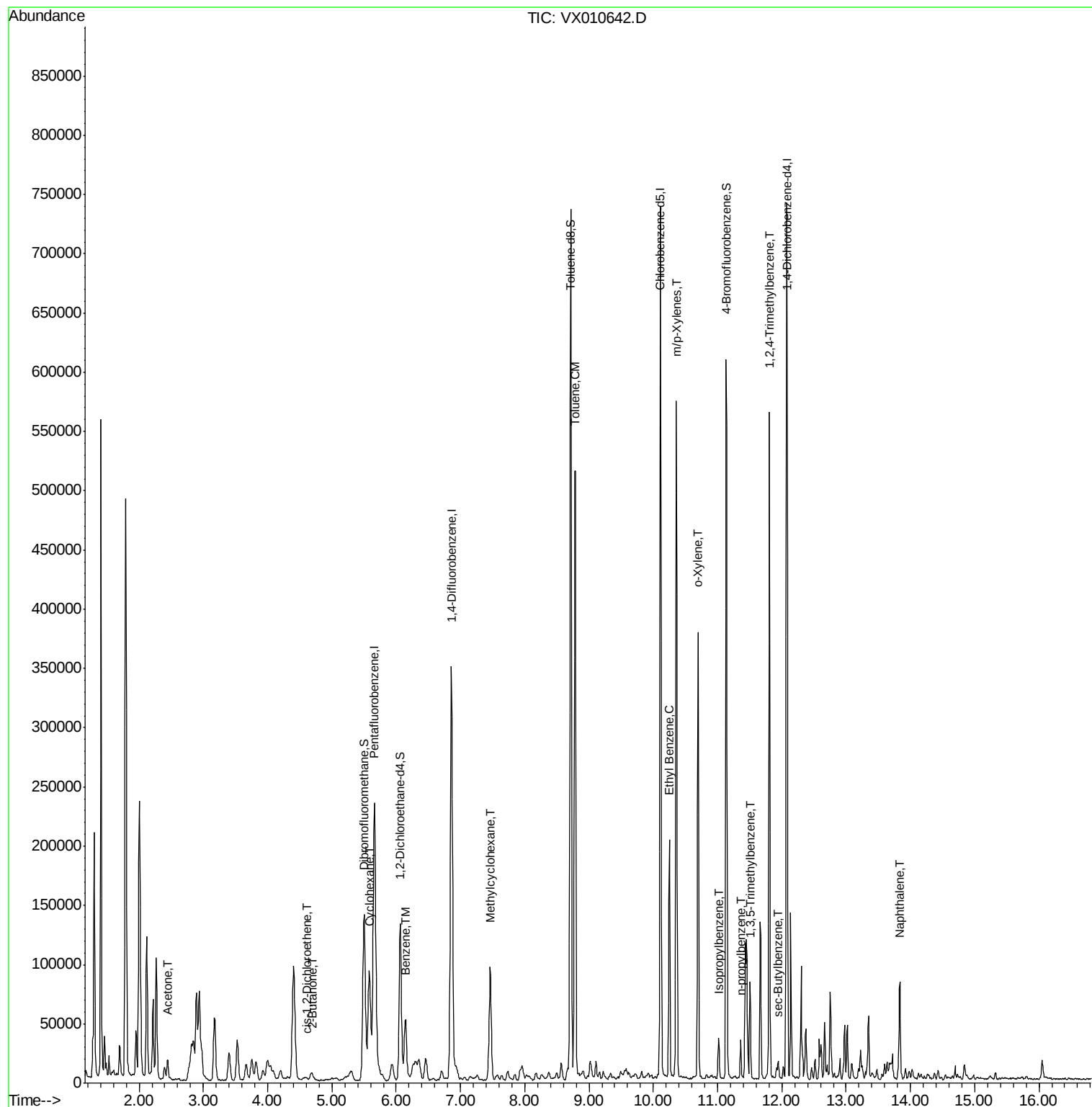
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX070319\
Data File : VX010642.D
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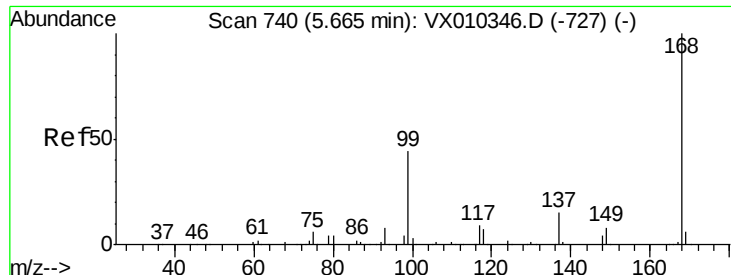
Instrument :
MSVOA_X
ClientSampleId :
WP-24

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Quant Time: Jul 12 03:07:27 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: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010642.D

Acq: 03 Jul 2019 16:01

Instrument :

MSVOA_X

ClientSampled :

WP-24

Tgt Ion:168 Resp: 243637

Ion Ratio Lower Upper

168 100

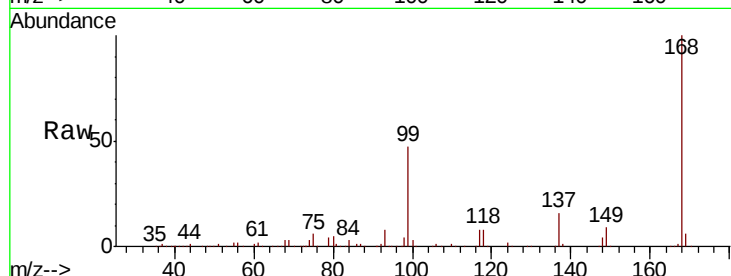
99 46.6 35.5 53.3

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

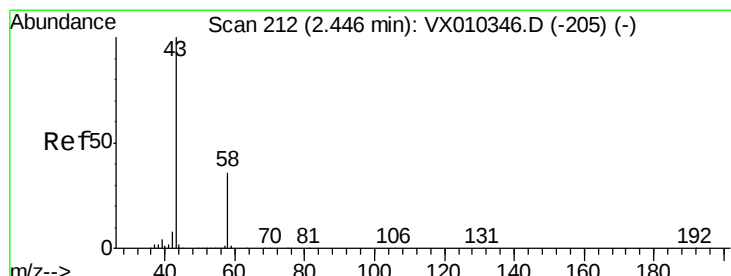
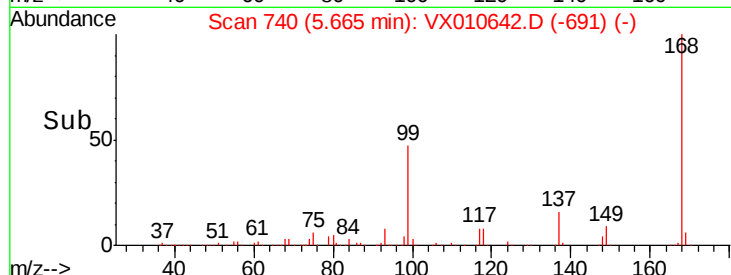
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 15.621 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010642.D

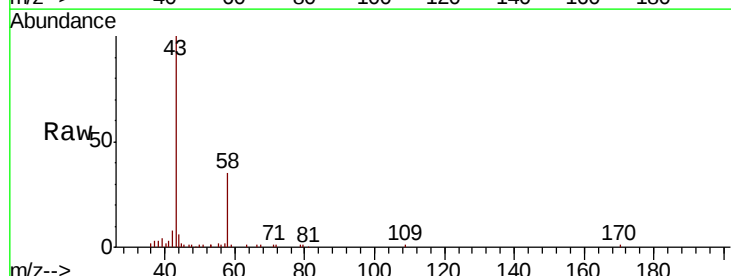
Acq: 03 Jul 2019 16:01

Tgt Ion: 43 Resp: 17884

Ion Ratio Lower Upper

43 100

58 35.1 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

12000

10000

8000

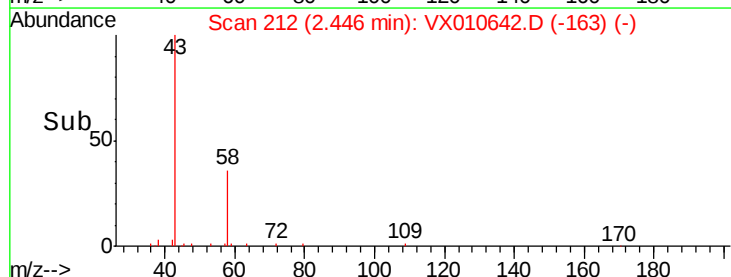
6000

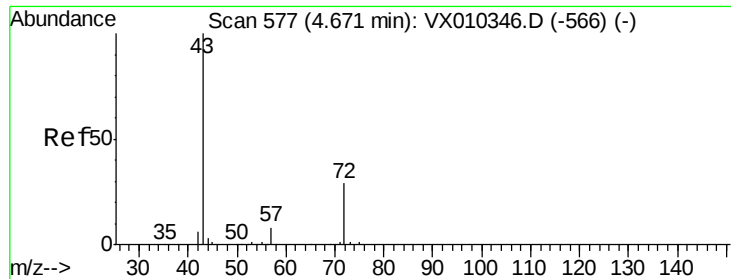
4000

2000

0

Time--> 2.40 2.45 2.50





#25

2-Butanone

Concen: 6.164 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX010642.D

Acq: 03 Jul 2019 16:01

Instrument :

MSVOA_X

ClientSampleId :

WP-24

Tgt Ion: 43 Resp: 10352

Ion Ratio Lower Upper

43 100

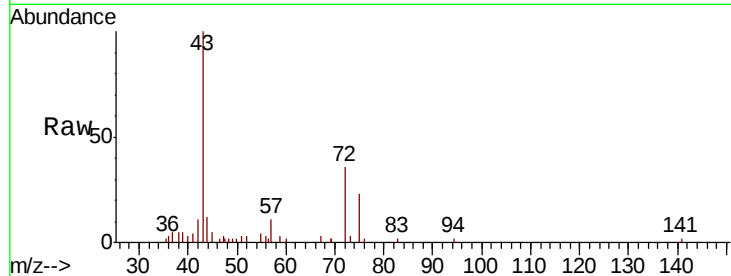
72 33.0 23.3 34.9

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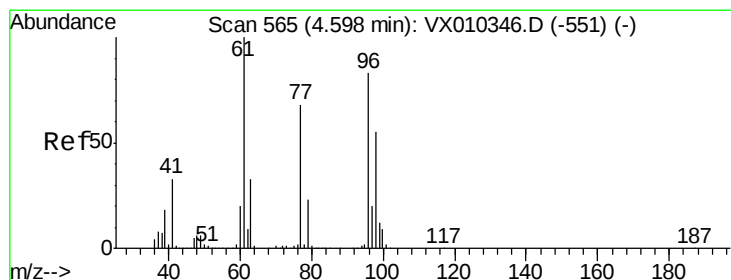
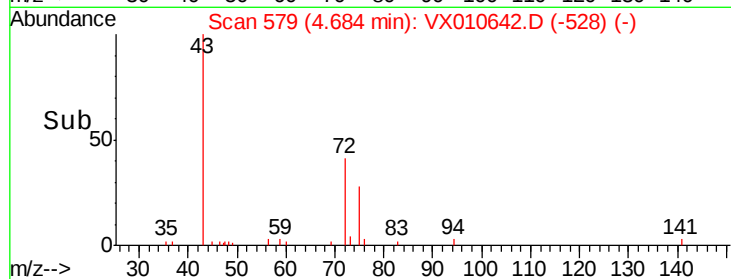
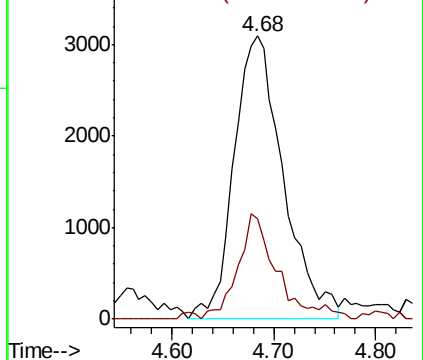
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.432 ug/l

RT: 4.61 min Scan# 567

Delta R.T. 0.01 min

Lab File: VX010642.D

Acq: 03 Jul 2019 16:01

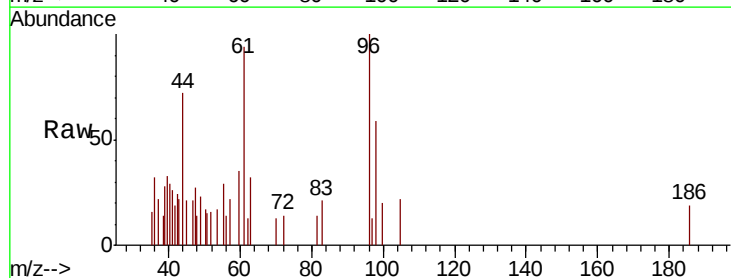
Tgt Ion: 96 Resp: 1134

Ion Ratio Lower Upper

96 100

61 142.1 0.0 251.8

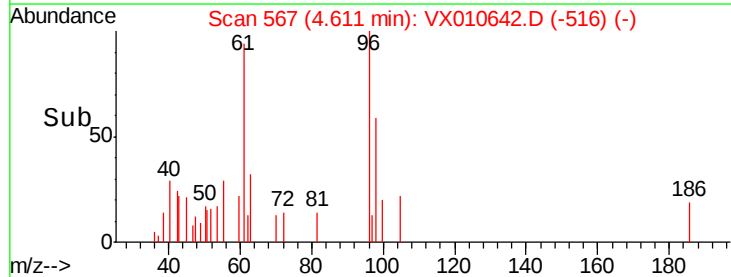
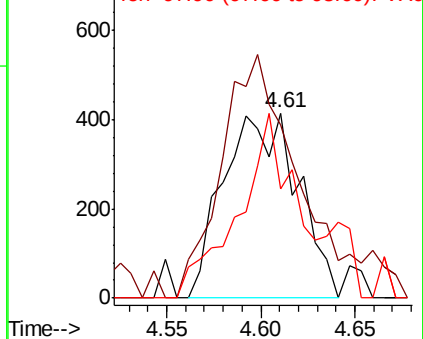
98 74.2 0.0 129.4

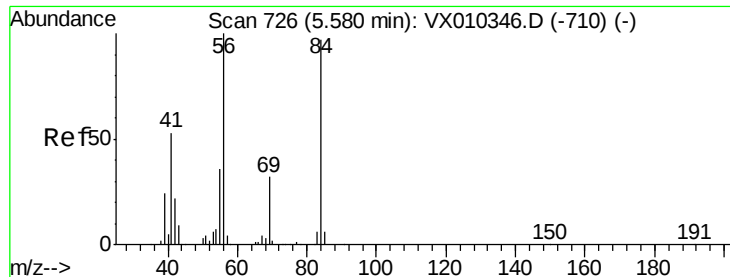


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#31

Cyclohexane

Concen: 18.754 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX010642.D

Acq: 03 Jul 2019 16:01

Instrument :

MSVOA_X

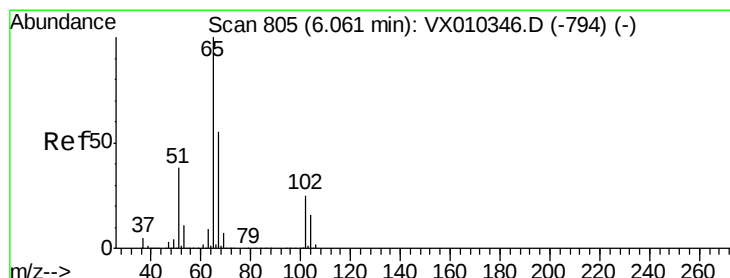
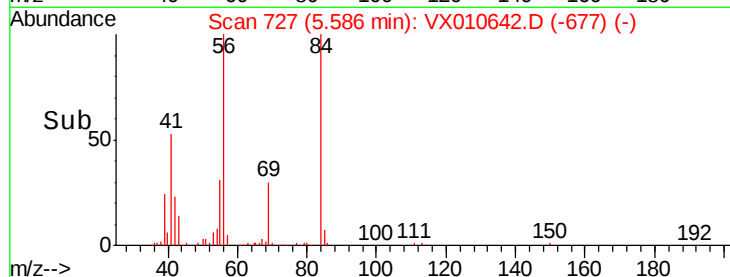
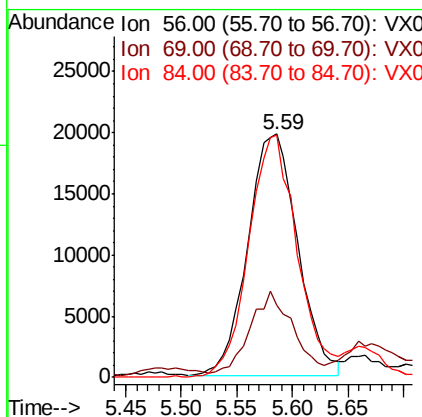
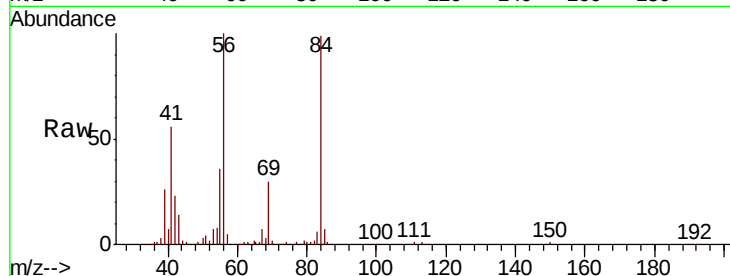
ClientSampled :

WP-24

Tgt Ion:	56	Resp:	61881
Ion	Ratio	Lower	Upper
56	100		
69	27.3	25.9	38.9
84	100.4	78.0	117.0

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#33

1,2-Dichloroethane-d4

Concen: 53.023 ug/l

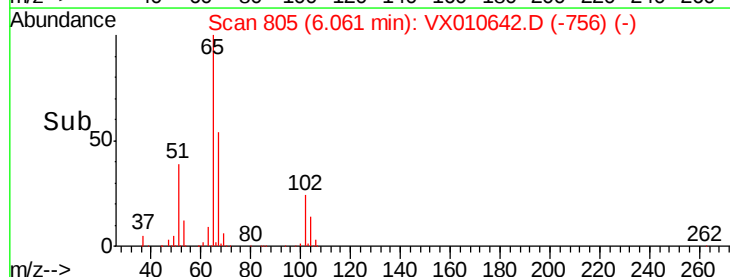
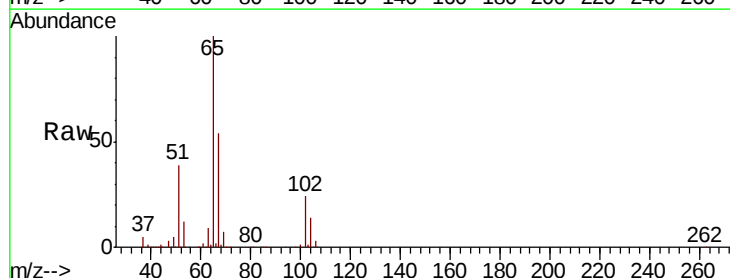
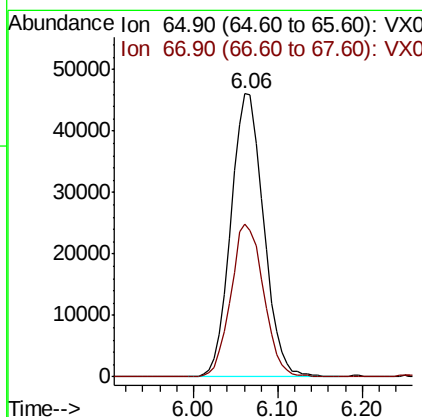
RT: 6.06 min Scan# 805

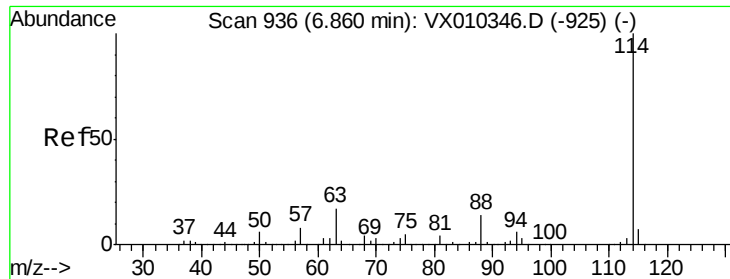
Delta R.T. 0.00 min

Lab File: VX010642.D

Acq: 03 Jul 2019 16:01

Tgt Ion:	65	Resp:	121123
Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010642.D

Acq: 03 Jul 2019 16:01

Instrument :

MSVOA_X

ClientSampleId :

WP-24

Tgt Ion:114 Resp: 371035
Ion Ratio Lower Upper

114 100

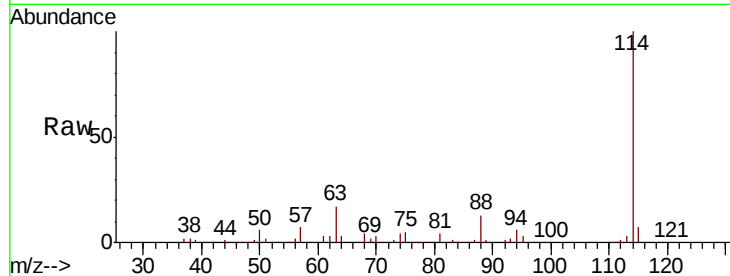
63 17.1 0.0 33.8

88 13.5 0.0 27.6

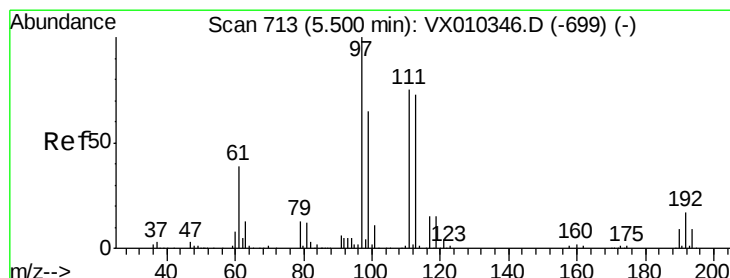
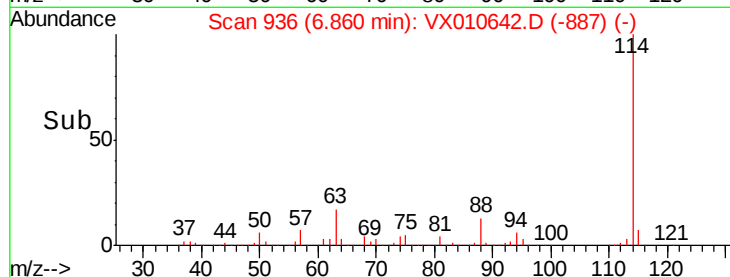
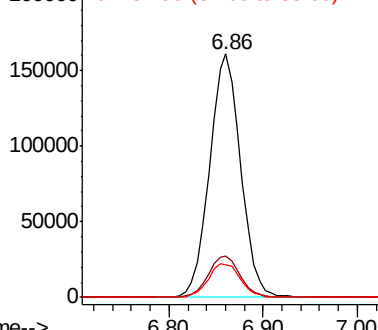
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Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 50.520 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010642.D

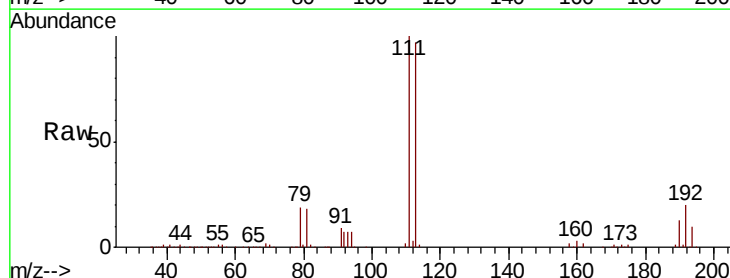
Acq: 03 Jul 2019 16:01

Tgt Ion:113 Resp: 114686
Ion Ratio Lower Upper

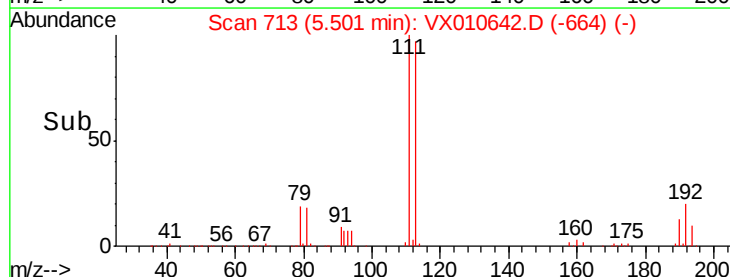
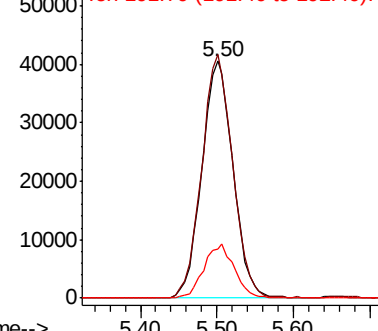
113 100

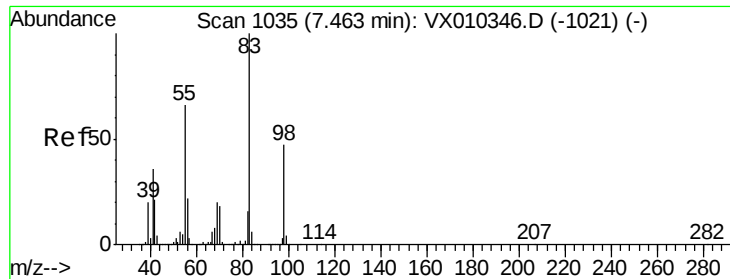
111 101.7 81.2 121.8

192 22.2 18.6 27.8



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





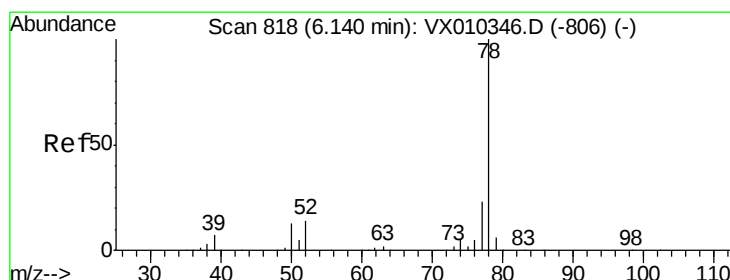
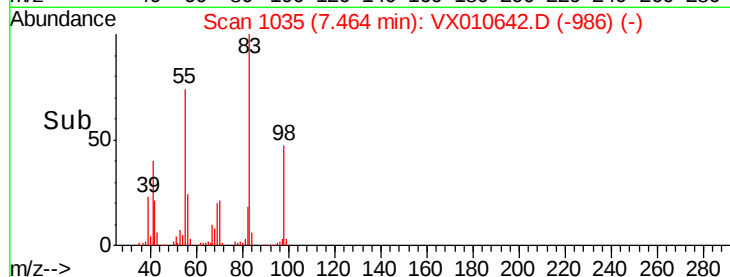
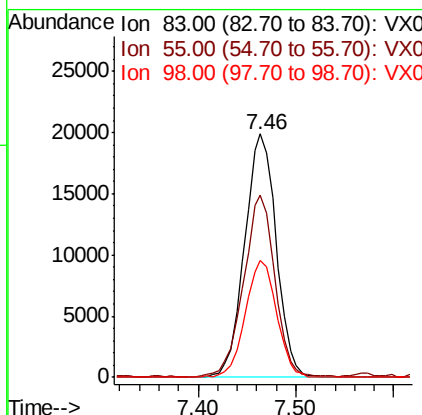
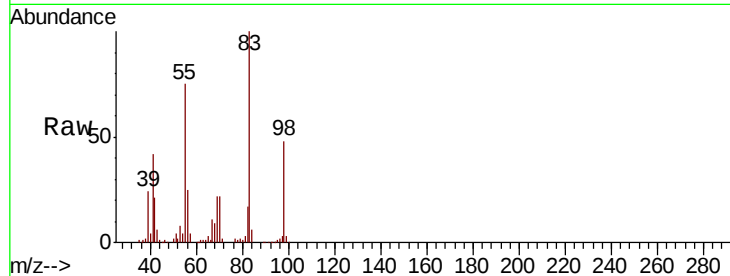
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Methylcyclohexane
Concen: 11.480 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010642.D
Acq: 03 Jul 2019 16:01

Instrument :
MSVOA_X
ClientSampled :
WP-24

Tgt Ion	Ratio	Lower	Upper
83	100		
55	74.6	53.0	79.6
98	48.0	37.8	56.8

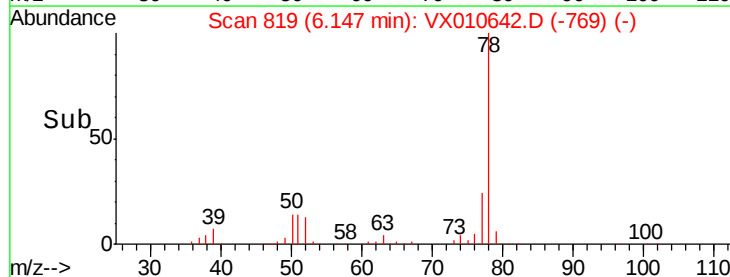
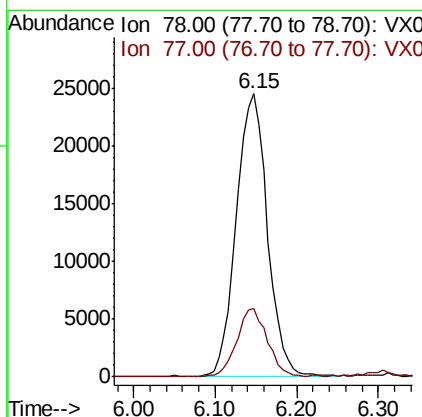
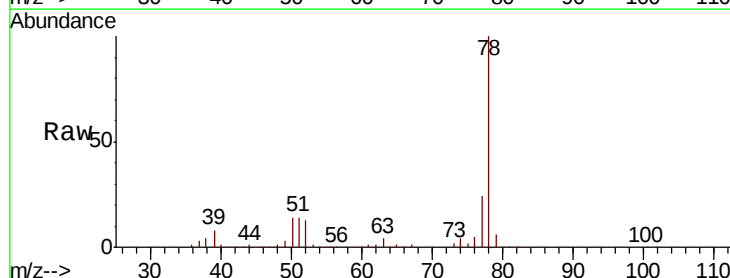
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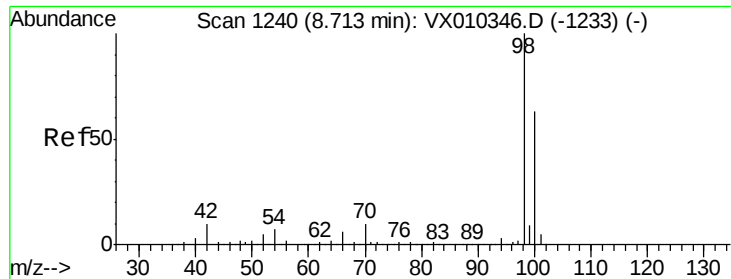
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#40
Benzene
Concen: 7.089 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX010642.D
Acq: 03 Jul 2019 16:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.6	28.0





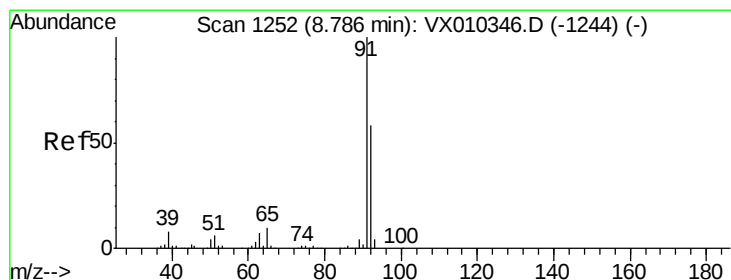
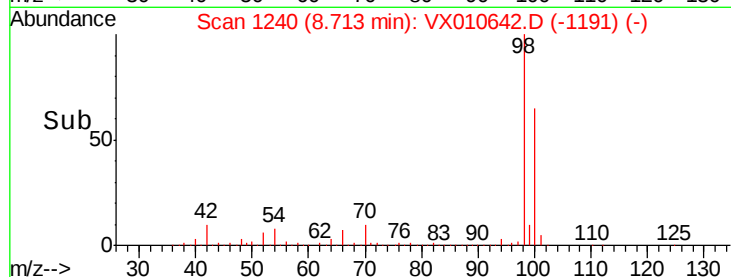
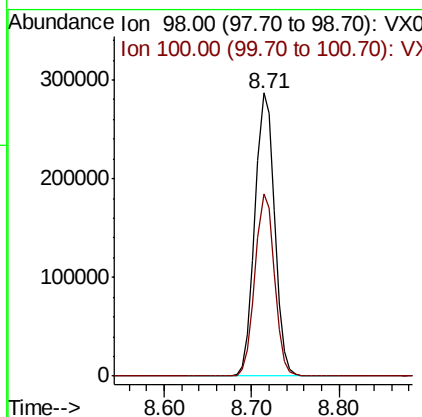
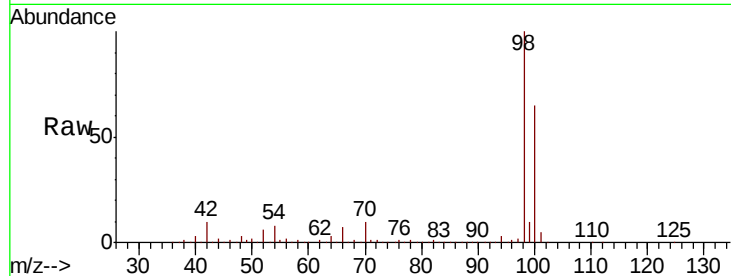
#50
Toluene-d8
Concen: 51.379 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010642.D
Acq: 03 Jul 2019 16:01

Instrument :
MSVOA_X
ClientSampleId :
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Tgt Ion: 98 Resp: 446229
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4

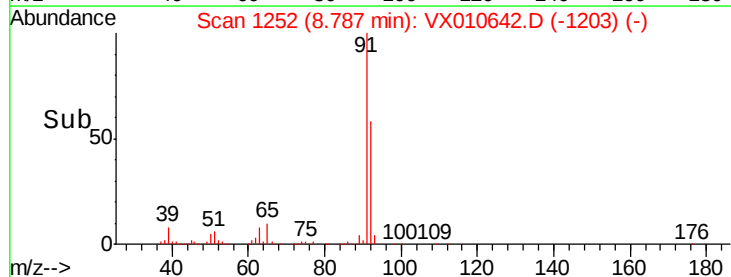
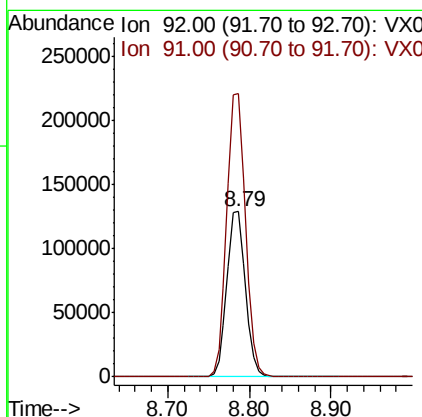
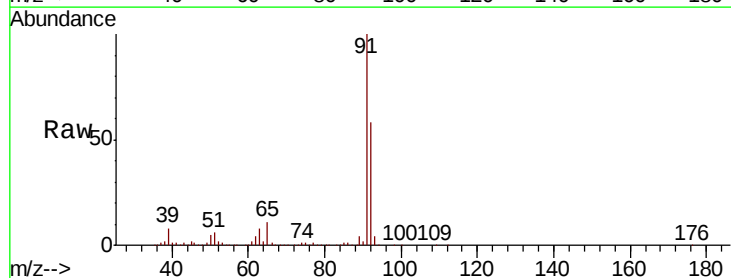
Manual Integrations
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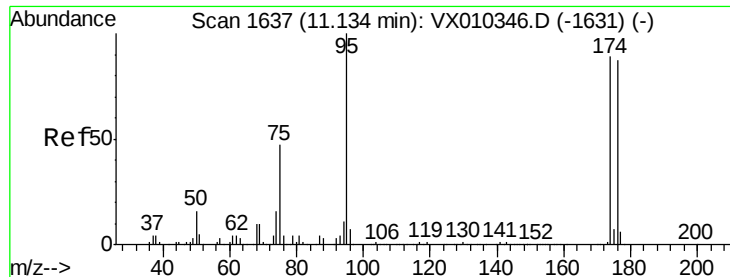
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#52
Toluene
Concen: 33.237 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX010642.D
Acq: 03 Jul 2019 16:01

Tgt Ion: 92 Resp: 201058
Ion Ratio Lower Upper
92 100
91 173.8 139.8 209.6





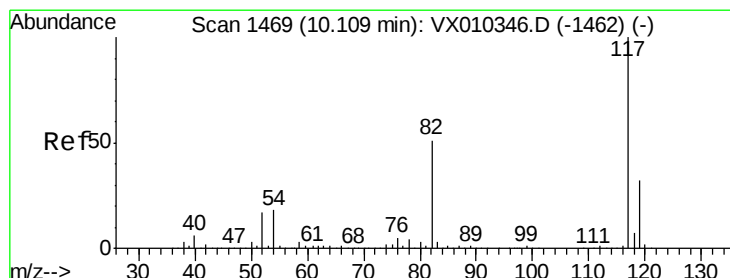
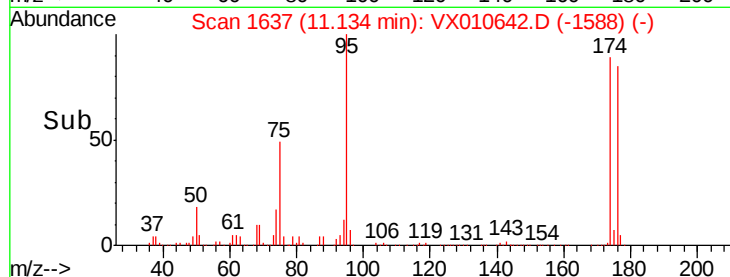
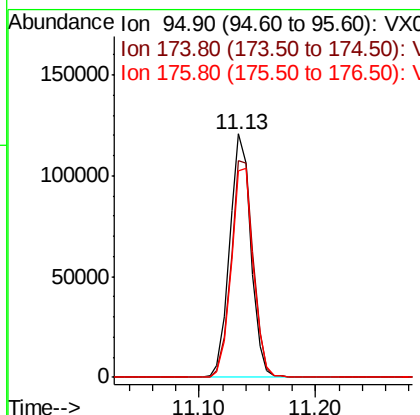
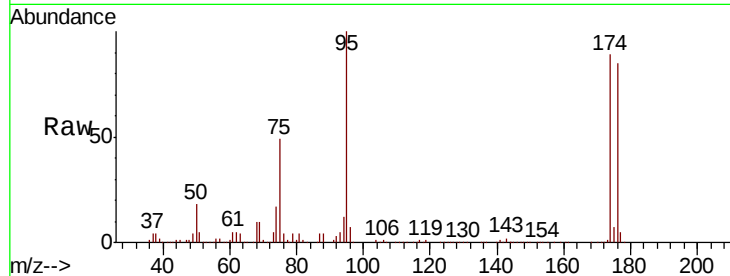
#62
4-Bromofluorobenzene
Concen: 49.101 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010642.D
Acq: 03 Jul 2019 16:01

Instrument :
MSVOA_X
ClientSampleId :
WP-24

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	153960		
174	93.0	0.0	187.6	
176	89.1	0.0	184.0	

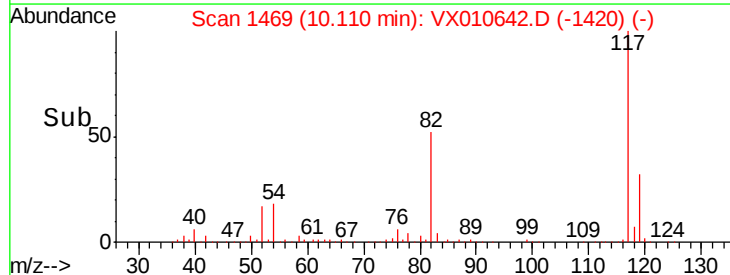
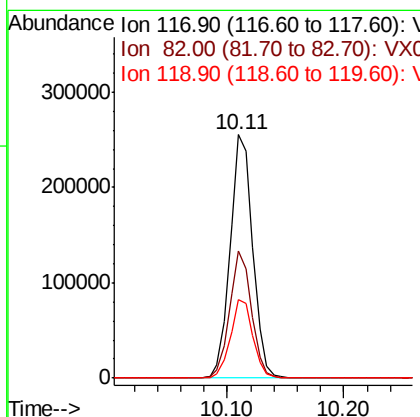
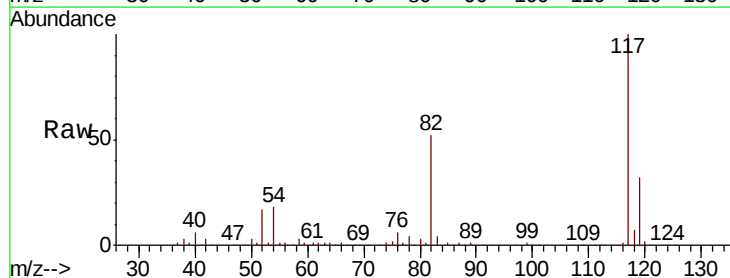
Manual Integrations
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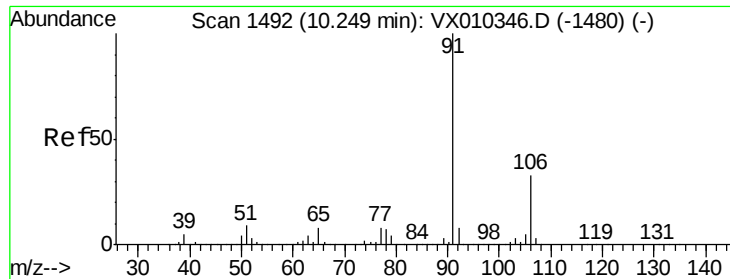
MMDadoda
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010642.D
Acq: 03 Jul 2019 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	344414		
82	52.0	41.2	61.8	
119	32.3	25.5	38.3	





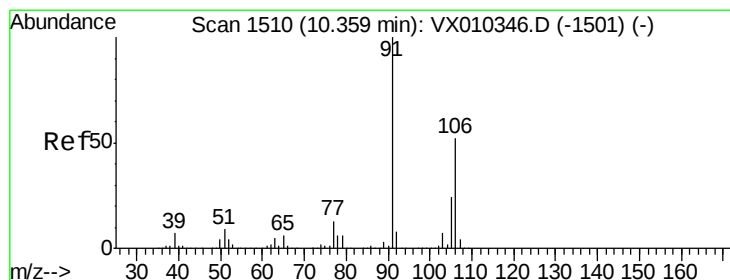
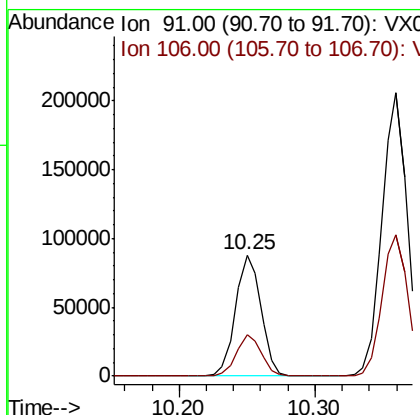
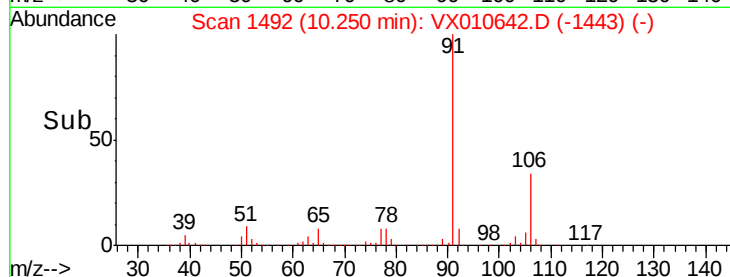
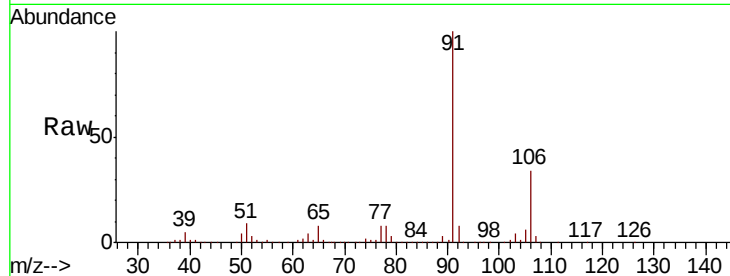
#67
Ethyl Benzene
Concen: 9.765 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010642.D
Acq: 03 Jul 2019 16:01

Instrument :
MSVOA_X
ClientSampled :
WP-24

Tgt Ion: 91 Resp: 115276
Ion Ratio Lower Upper
91 100
106 34.1 26.2 39.2

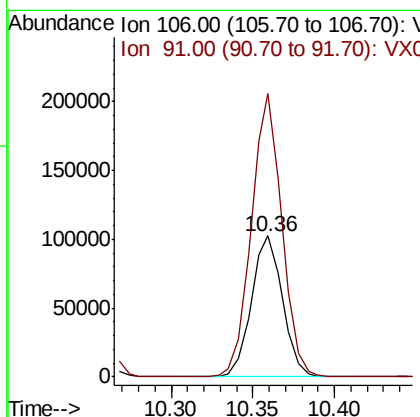
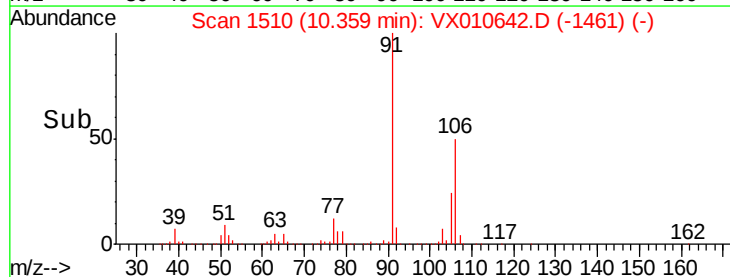
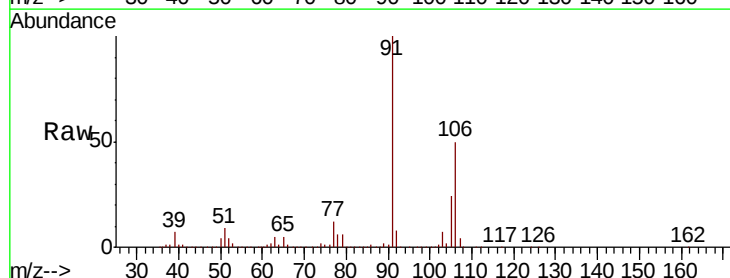
Manual Integrations
APPROVED

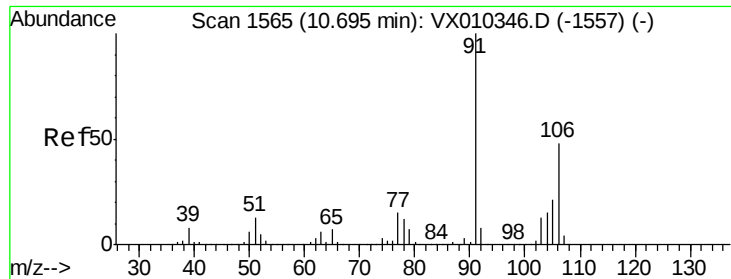
MMDadoda
7/8/2019 2:41:05 PM



#68
m/p-Xylenes
Concen: 29.639 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010642.D
Acq: 03 Jul 2019 16:01

Tgt Ion: 106 Resp: 135567
Ion Ratio Lower Upper
106 100
91 196.9 155.3 232.9





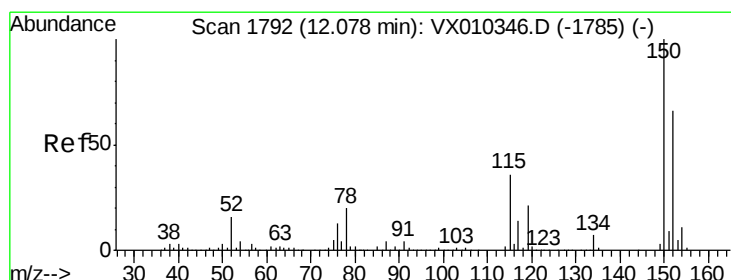
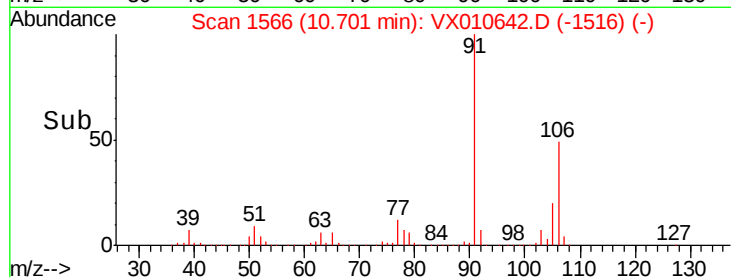
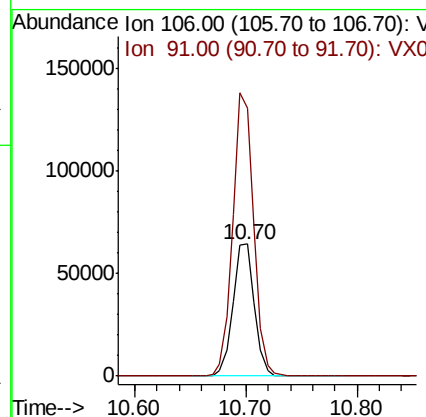
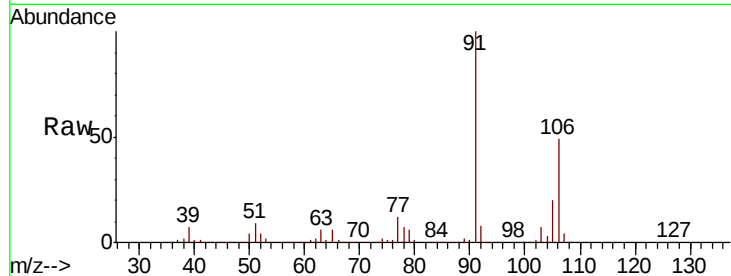
#69
o-Xylene
Concen: 18.973 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX010642.D
Acq: 03 Jul 2019 16:01

Instrument :
MSVOA_X
ClientSampled :
WP-24

Tgt Ion:106 Resp: 85341
Ion Ratio Lower Upper
106 100
91 209.5 102.7 308.1

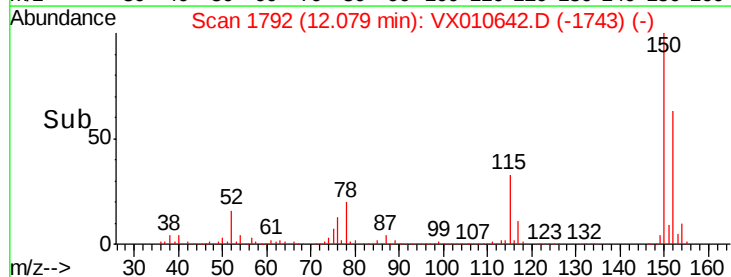
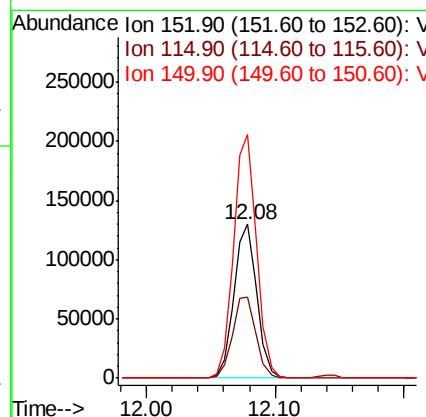
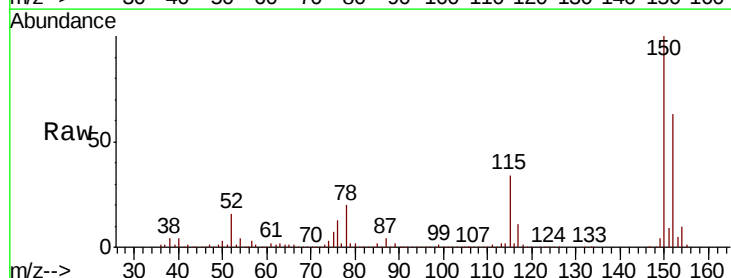
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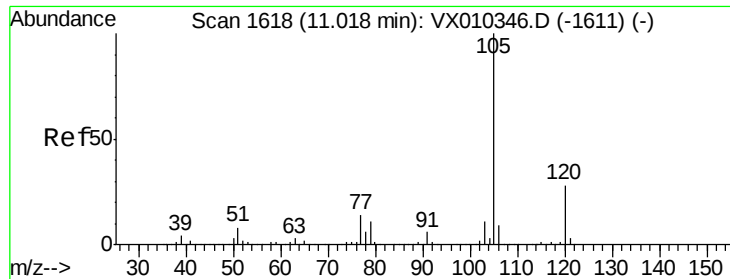
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010642.D
Acq: 03 Jul 2019 16:01

Tgt Ion:152 Resp: 161344
Ion Ratio Lower Upper
152 100
115 54.4 38.6 115.7
150 159.3 0.0 347.4





#73

Isopropylbenzene

Concen: 1.538 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010642.D

Acq: 03 Jul 2019 16:01

Instrument :

MSVOA_X

ClientSampled :

WP-24

Tgt Ion: 105 Resp: 16824

Ion Ratio Lower Upper

105 100

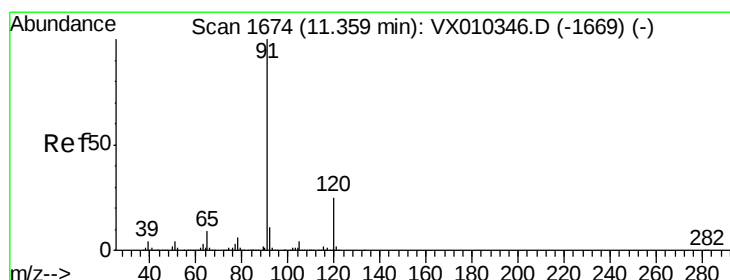
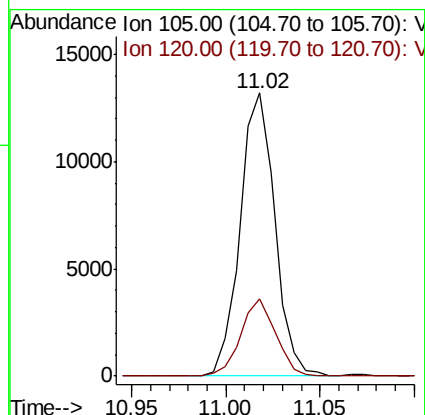
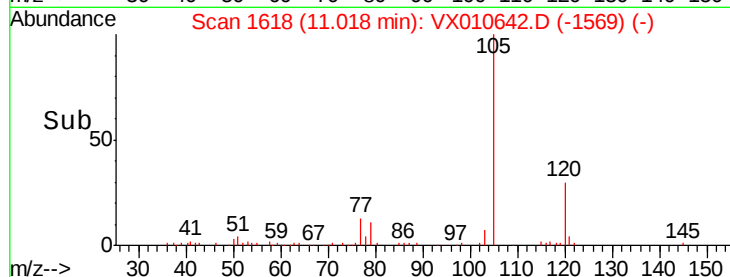
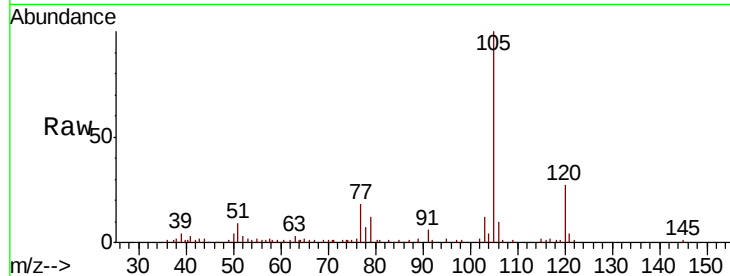
120 27.4 14.1 42.4

Manual Integrations

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#78

n-propylbenzene

Concen: 1.648 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010642.D

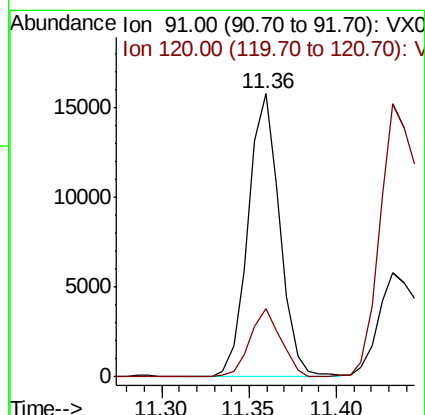
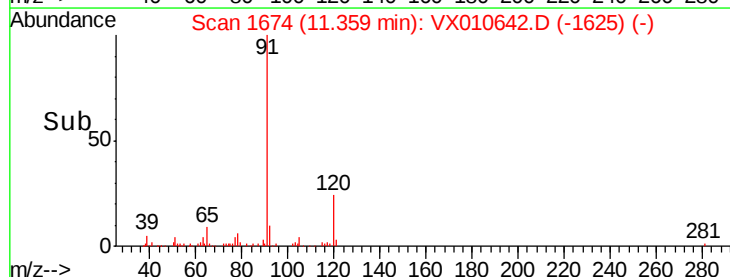
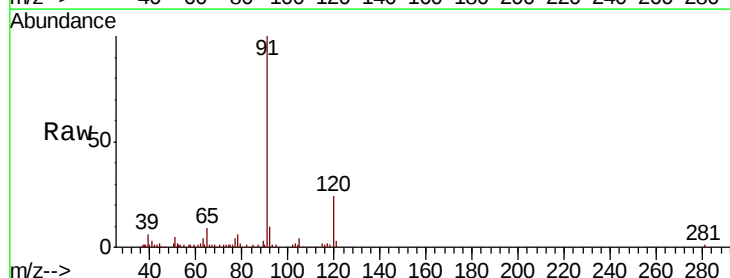
Acq: 03 Jul 2019 16:01

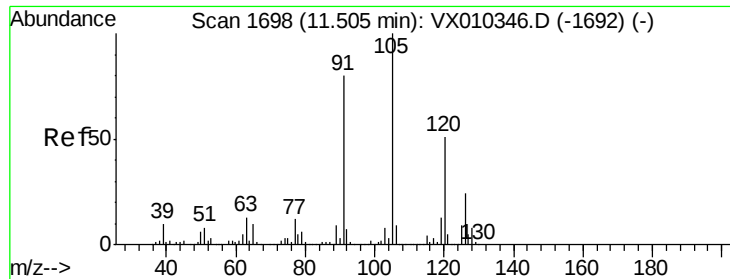
Tgt Ion: 91 Resp: 19814

Ion Ratio Lower Upper

91 100

120 23.5 12.4 37.4





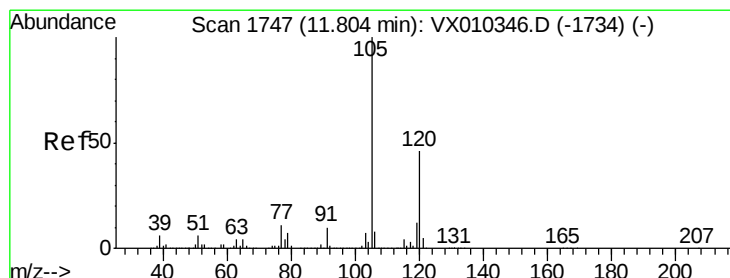
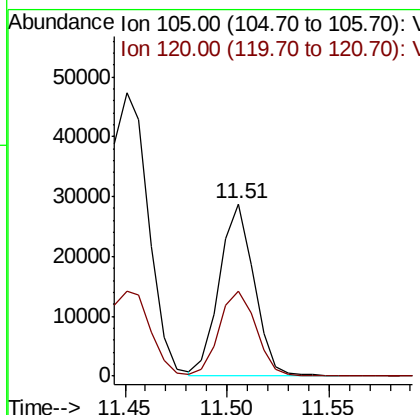
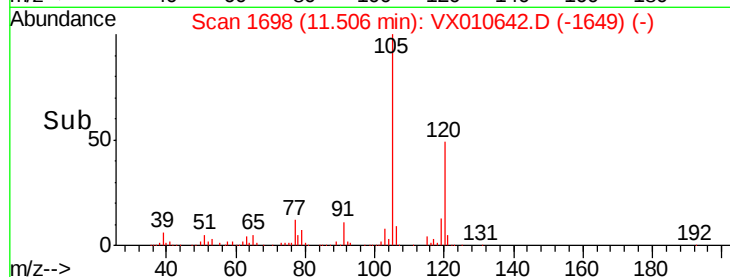
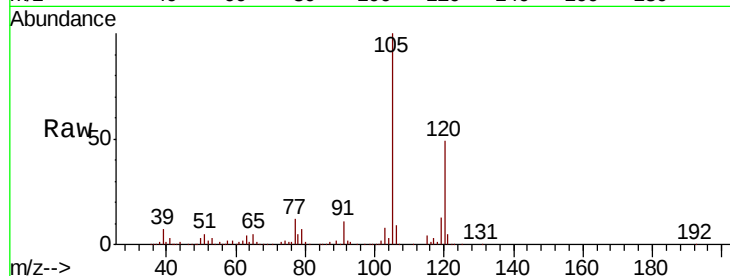
#80
 1,3,5-Trimethylbenzene
 Concen: 3.750 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX010642.D
 Acq: 03 Jul 2019 16:01

Instrument :
 MSVOA_X
 ClientSampled :
 WP-24

Tgt Ion:105 Resp: 33808
 Ion Ratio Lower Upper
 105 100
 120 52.8 25.2 75.6

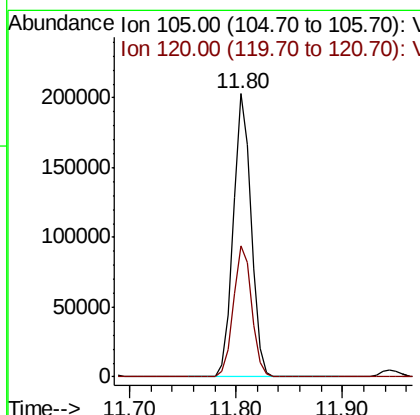
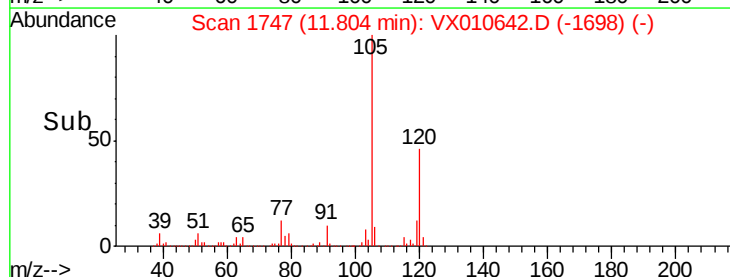
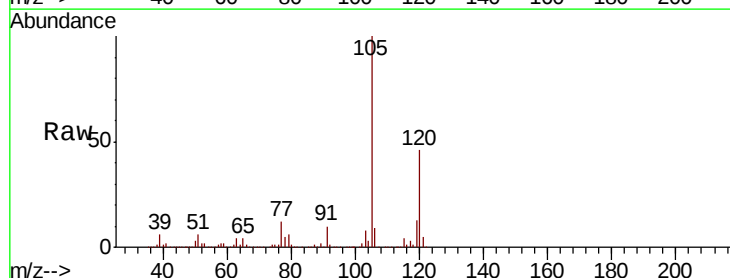
Manual Integrations
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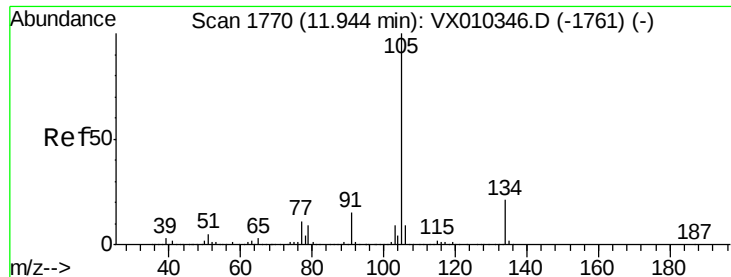
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#84
 1,2,4-Trimethylbenzene
 Concen: 26.490 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010642.D
 Acq: 03 Jul 2019 16:01

Tgt Ion:105 Resp: 239962
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.1 69.2





#85

sec-Butylbenzene

Concen: 0.607 ug/l m

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010642.D

Acq: 03 Jul 2019 16:01

Instrument :

MSVOA_X

ClientSampleId :

WP-24

Tgt Ion:105 Resp: 6445

Ion Ratio Lower Upper

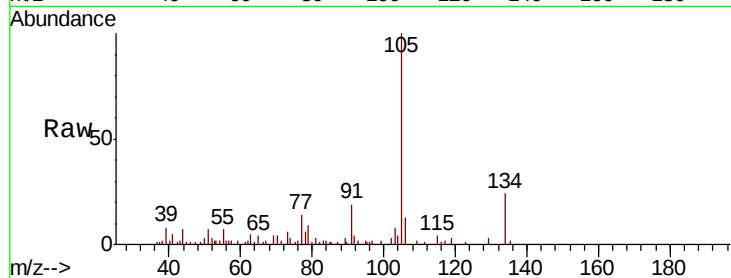
105 100

134 0.0 10.7 31.9#

Manual Integrations
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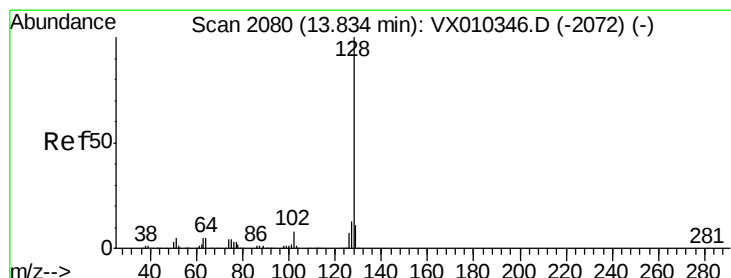
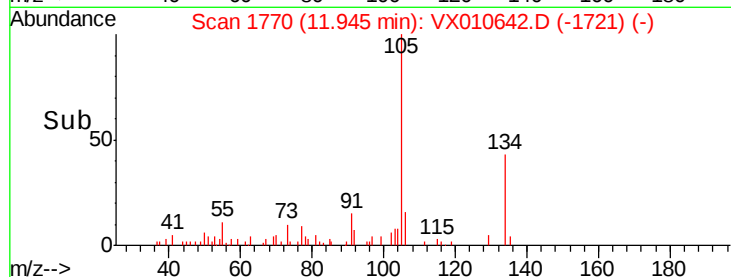
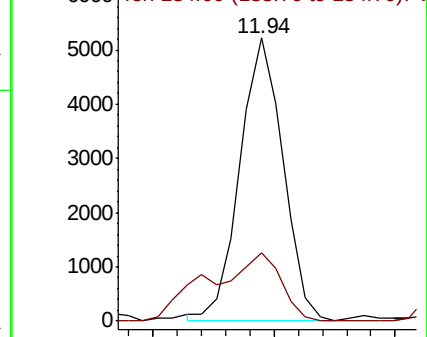
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#95

Naphthalene

Concen: 4.649 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010642.D

Acq: 03 Jul 2019 16:01

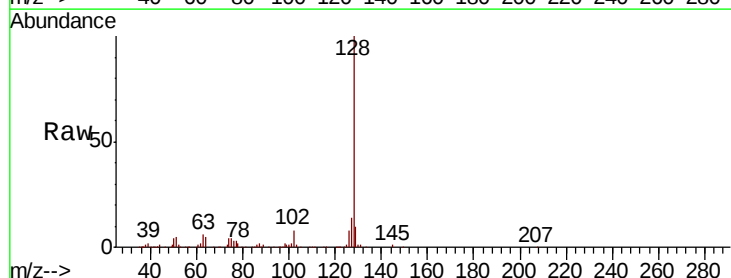
Tgt Ion:128 Resp: 52497

Ion Ratio Lower Upper

128 100

127 14.2 10.2 15.4

129 12.6 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

