

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091518\
 Data File : VX004581.D
 Acq On : 15 Sep 2018 13:47
 Operator : JC/MD
 Sample : J4925-13DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0260DL

Manual Integrations
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MMDadoda
 9/17/2018 6:27:25 PM

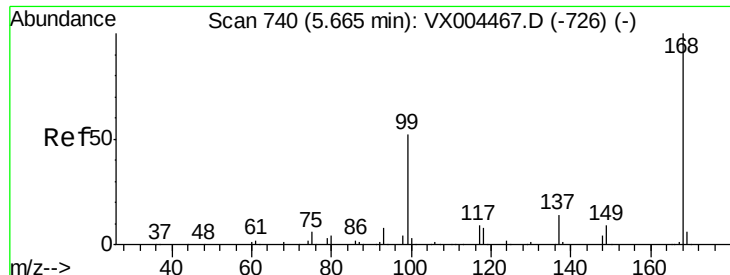
Quant Time: Sep 17 07:31:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	278303	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	369717	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	353765	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	225077	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	169157	47.14	ug/l	0.00
Spiked Amount			Recovery	=	94.28%	
35) Dibromofluoromethane	5.50	113	156402	46.23	ug/l	0.00
Spiked Amount			Recovery	=	92.46%	
50) Toluene-d8	8.72	98	529918	46.71	ug/l	0.00
Spiked Amount			Recovery	=	93.42%	
62) 4-Bromofluorobenzene	11.14	95	198691	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.57	56	59173	11.40	ug/l #	85
39) Methylcyclohexane	7.46	83	51227	10.94	ug/l	96
40) Benzene	6.15	78	5374	0.40	ug/l #	89
67) Ethyl Benzene	10.26	91	672546	47.07	ug/l	99
68) m/p-Xylenes	10.36	106	94008	17.08	ug/l	97
69) o-Xylene	10.70	106	15643	2.96	ug/l	96
73) Isopropylbenzene	11.02	105	44065	2.97	ug/l	100
78) n-propylbenzene	11.36	91	61677	3.62	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	60598	4.86	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	404850	31.82	ug/l	99
85) sec-Butylbenzene	11.94	105	10235m	0.68	ug/l	
86) p-Isopropyltoluene	12.07	119	9456	0.71	ug/l	93
89) n-Butylbenzene	12.39	91	11532	0.95	ug/l #	38
95) Naphthalene	13.83	128	185007	12.04	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004581.D

Acq: 15 Sep 2018 13:47

Instrument :

MSVOA_X

ClientSampled :

S13-0260DL

Tot Ion:168 Resp: 278303

Ion Ratio Lower Upper

168 100

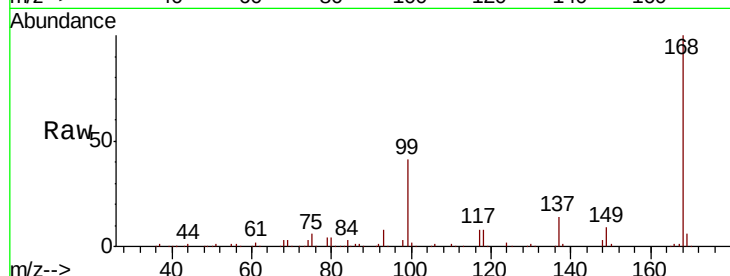
99 40.7 39.9 59.9

Manual Integrations

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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

120000

100000

80000

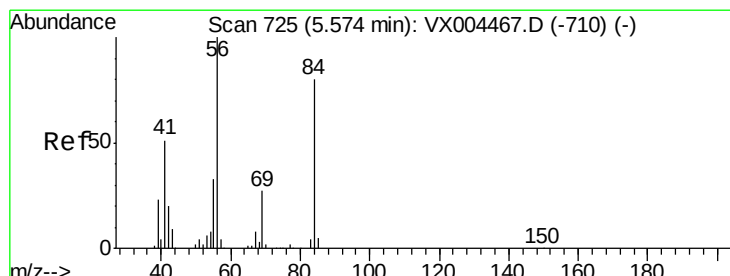
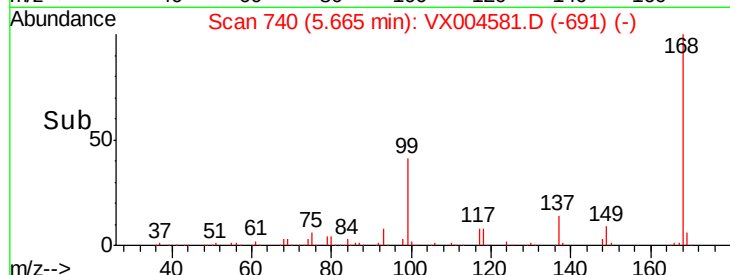
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 11.40 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX004581.D

Acq: 15 Sep 2018 13:47

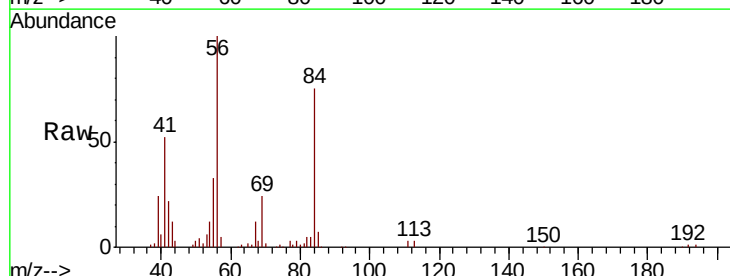
Tgt Ion: 56 Resp: 59173

Ion Ratio Lower Upper

56 100

69 24.0 25.4 38.2#

84 75.0 71.4 107.2



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

25000

20000

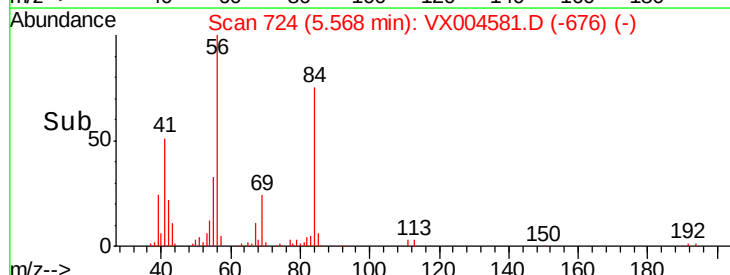
15000

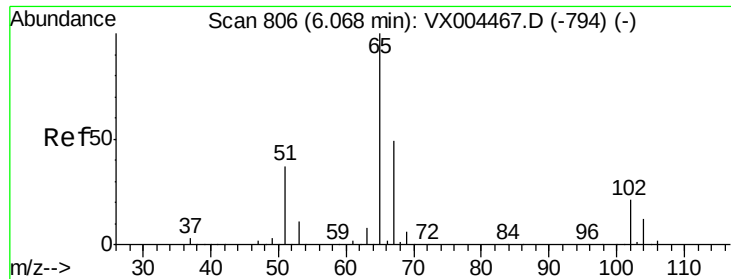
10000

5000

0

Time--> 5.50 5.55 5.60 5.65 5.70





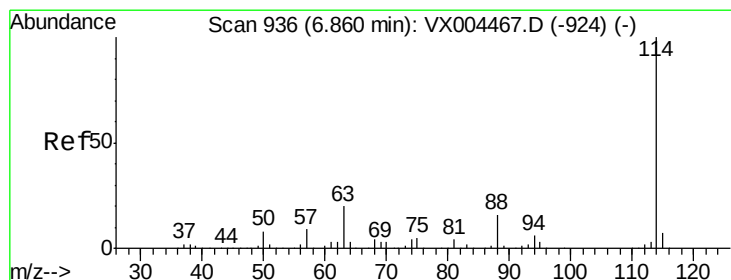
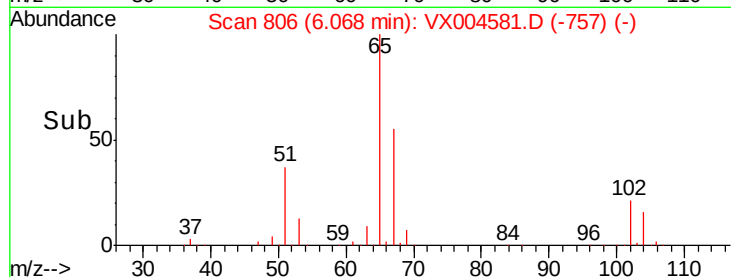
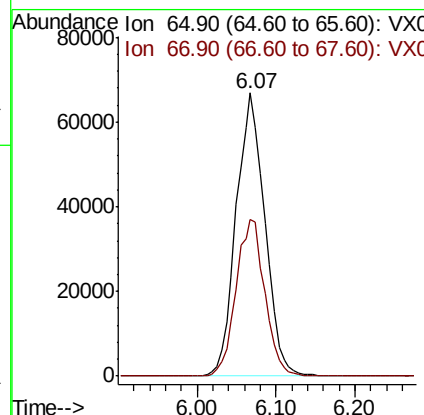
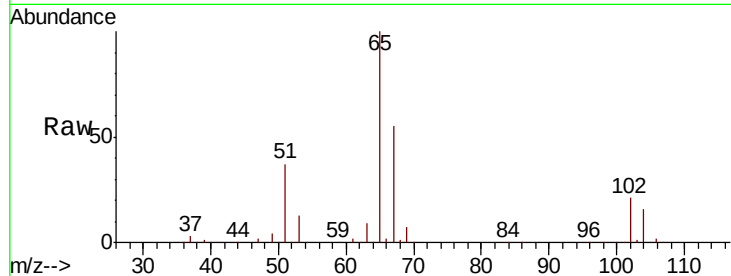
#33
 1,2-Dichloroethane-d4
 Concen: 47.14 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX004581.D
 Acq: 15 Sep 2018 13:47

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0260DL

Tot Ion	Ratio	Resp	Lower	Upper
65	100	169157		
67	55.6	0.0	106.8	

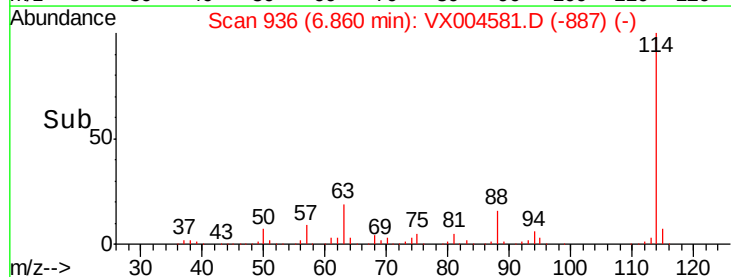
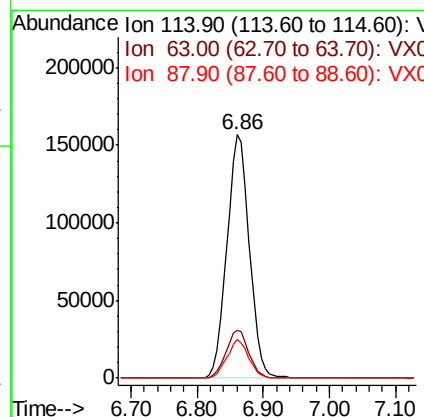
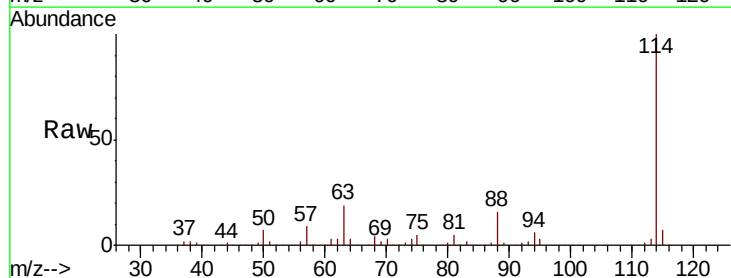
Manual Integrations
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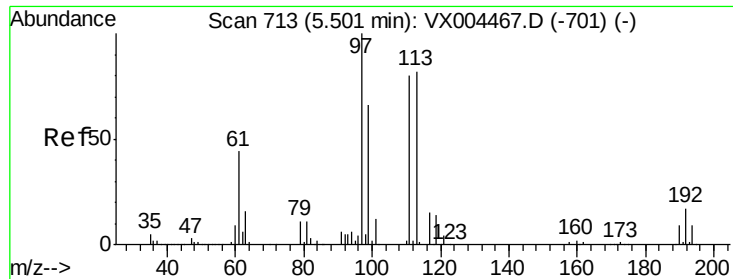
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004581.D
 Acq: 15 Sep 2018 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	369717		
63	19.5	0.0	39.0	
88	15.9	0.0	30.4	





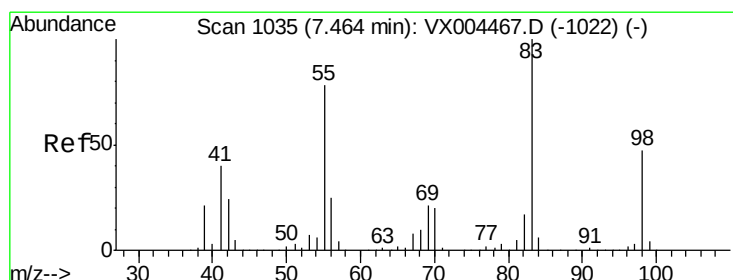
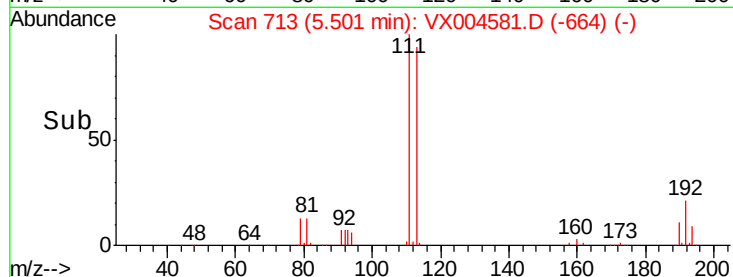
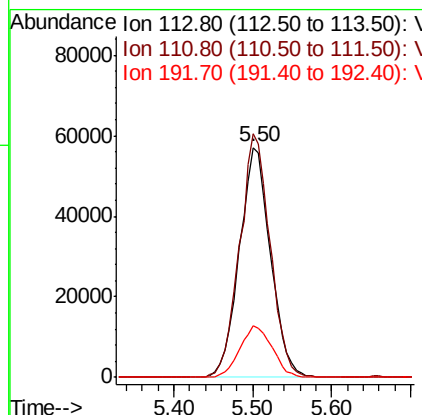
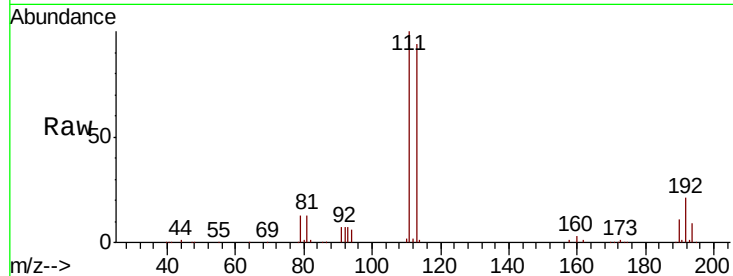
#35
 Dibromofluoromethane
 Concen: 46.23 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004581.D
 Acq: 15 Sep 2018 13:47

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0260DL

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.4	123.6
192	23.3	19.4	29.2

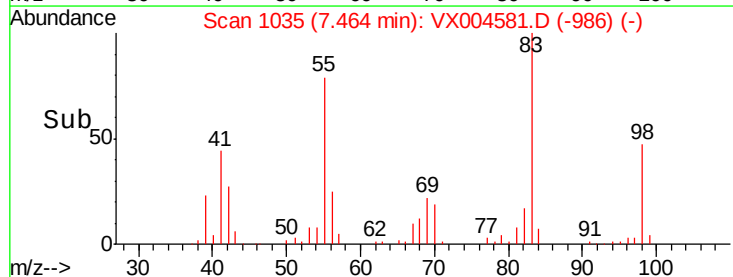
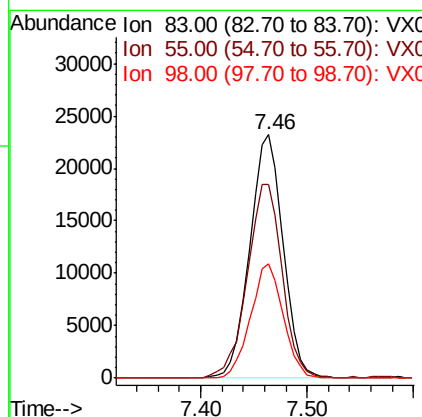
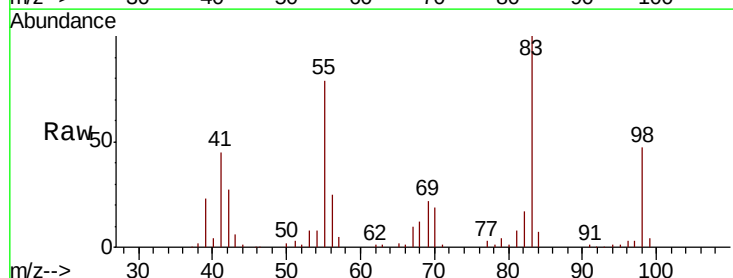
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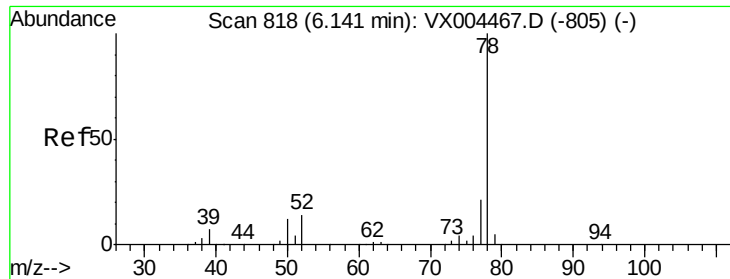
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#39
 Methylcyclohexane
 Concen: 10.94 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: VX004581.D
 Acq: 15 Sep 2018 13:47

Tgt Ion	Ratio	Lower	Upper
83	100		
55	79.3	61.0	91.4
98	46.7	39.6	59.4





#40

Benzene

Concen: 0.40 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX004581.D

Acq: 15 Sep 2018 13:47

Instrument :

MSVOA_X

ClientSampled :

S13-0260DL

Tot Ion: 78 Resp: 5374

Ion Ratio Lower Upper

78 100

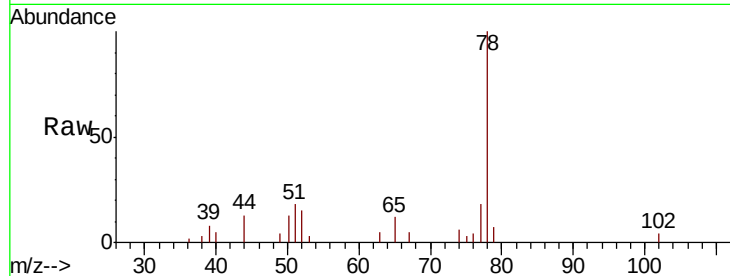
77 18.3 19.0 28.4#

Manual Integrations

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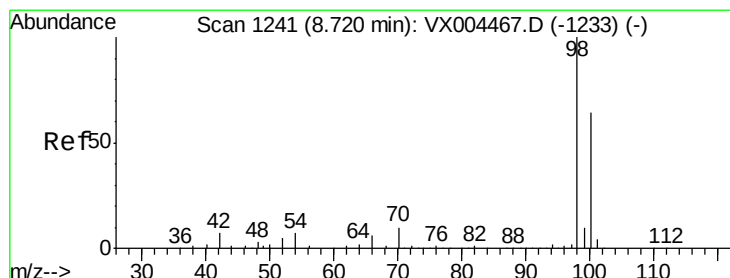
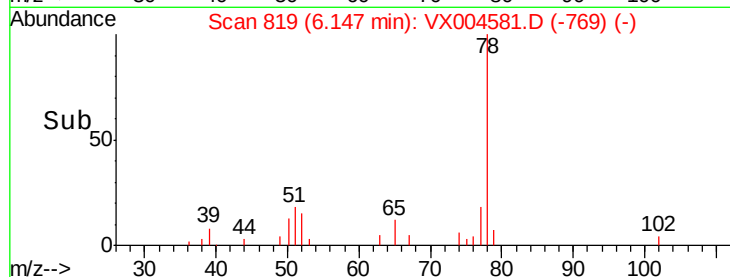
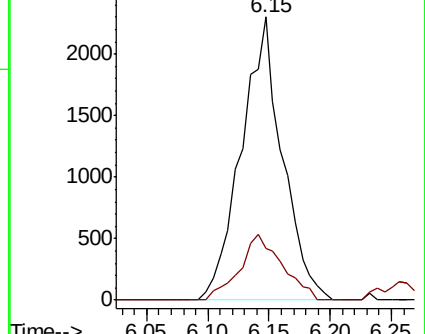
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Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 46.71 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VX004581.D

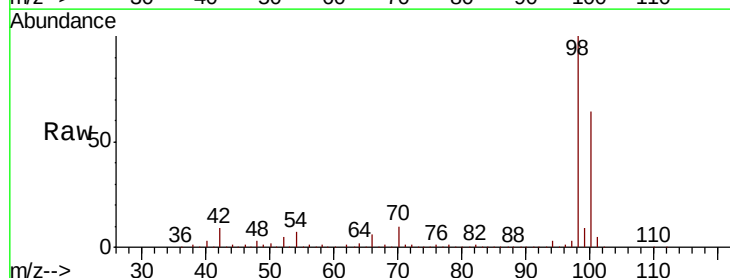
Acq: 15 Sep 2018 13:47

Tgt Ion: 98 Resp: 529918

Ion Ratio Lower Upper

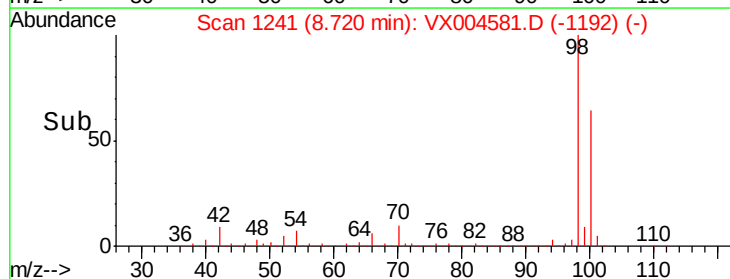
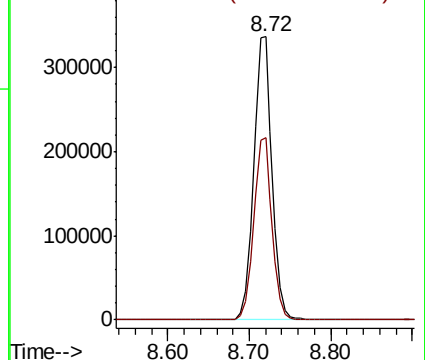
98 100

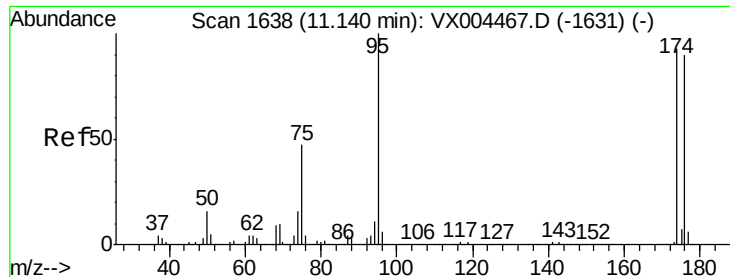
100 64.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





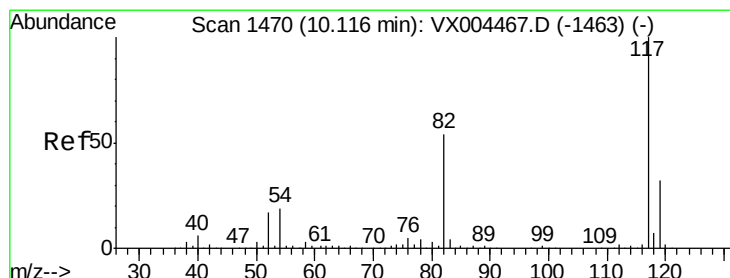
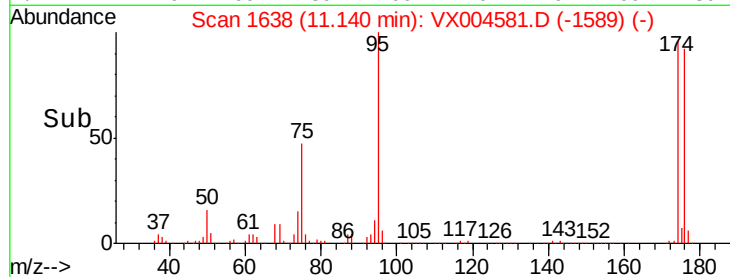
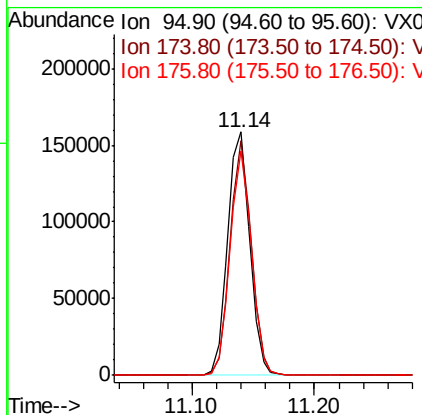
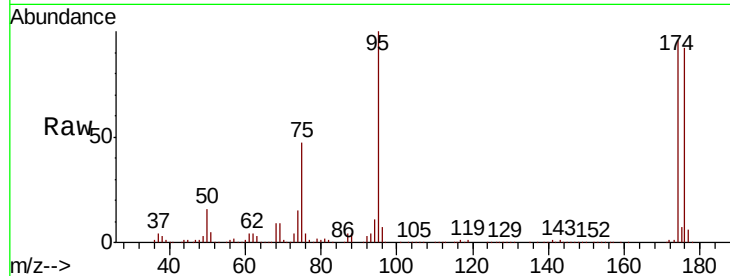
#62
4-Bromofluorobenzene
Concen: 49.06 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX004581.D
Acq: 15 Sep 2018 13:47

Instrument :
MSVOA_X
ClientSampleId :
S13-0260DL

Tot Ion	Ratio	Resp	Lower	Upper
95	100	198691		
174	92.0	0.0	185.2	
176	89.0	0.0	178.6	

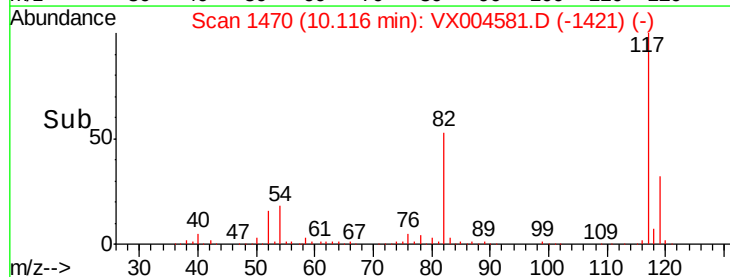
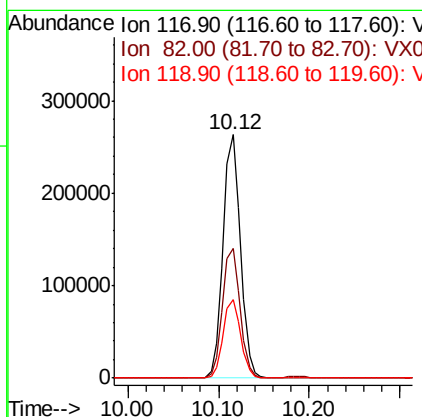
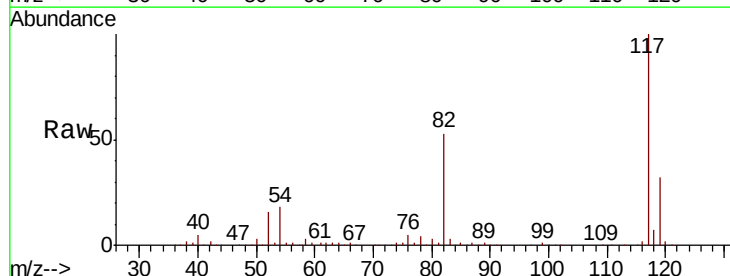
Manual Integrations
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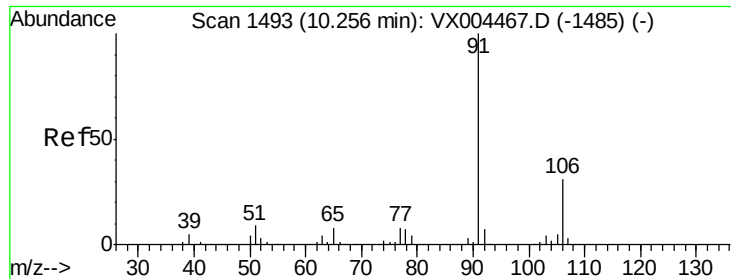
MMDadoda
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#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004581.D
Acq: 15 Sep 2018 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	353765		
82	53.1	47.8	71.6	
119	32.4	29.3	43.9	





#67

Ethyl Benzene

Concen: 47.07 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VX004581.D

Acq: 15 Sep 2018 13:47

Instrument :

MSVOA_X

ClientSampled :

S13-0260DL

Tot Ion: 91 Resp: 672546

Ion Ratio Lower Upper

91 100

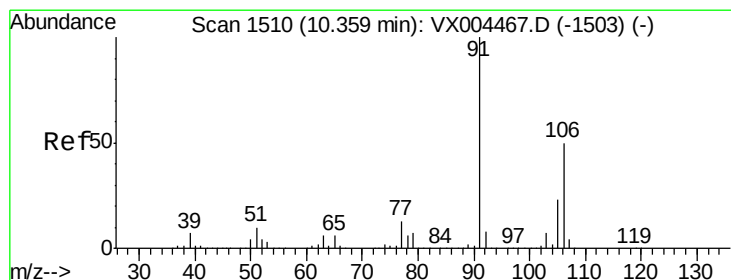
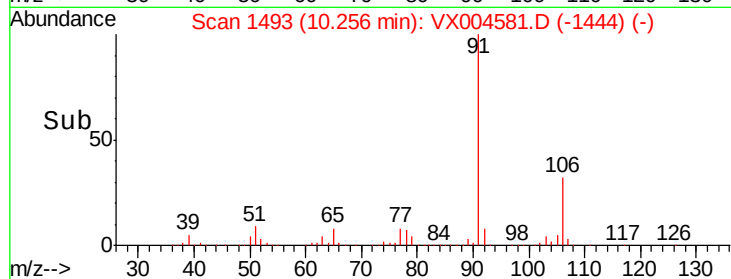
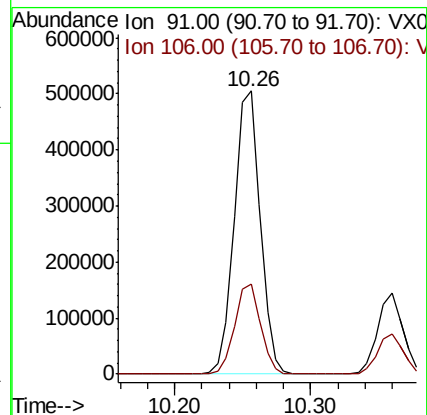
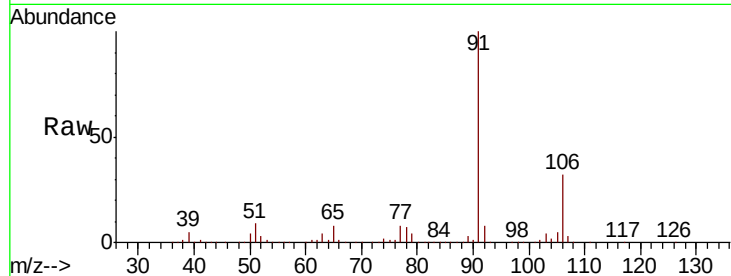
106 31.9 25.9 38.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 17.08 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX004581.D

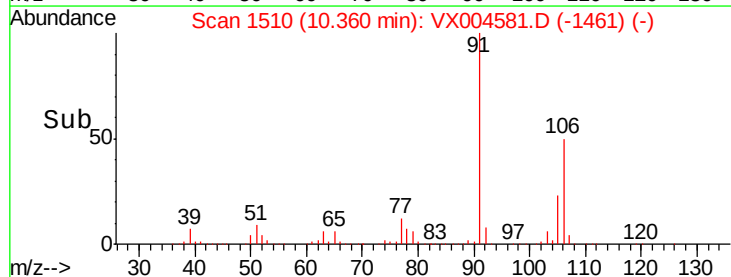
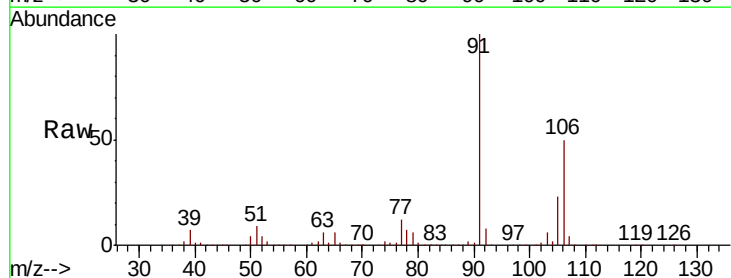
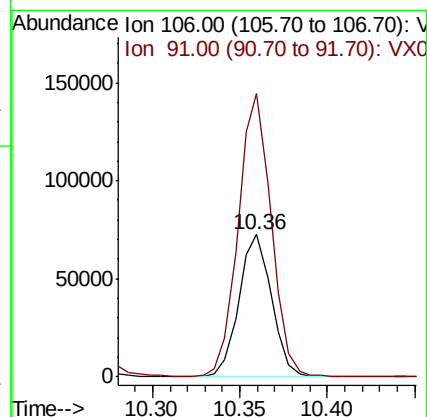
Acq: 15 Sep 2018 13:47

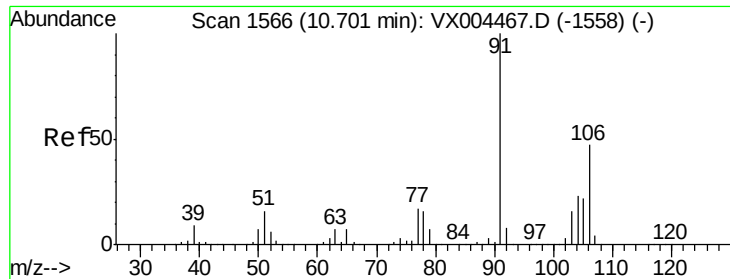
Tgt Ion: 106 Resp: 94008

Ion Ratio Lower Upper

106 100

91 201.0 157.1 235.7





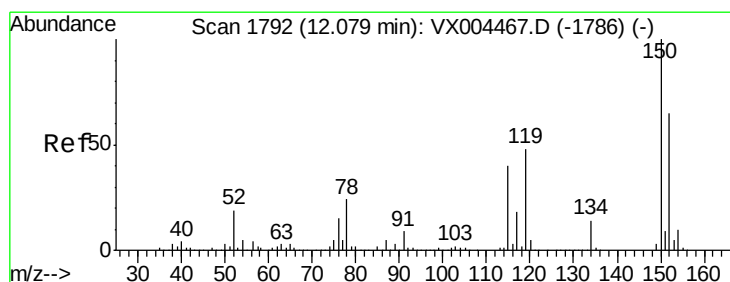
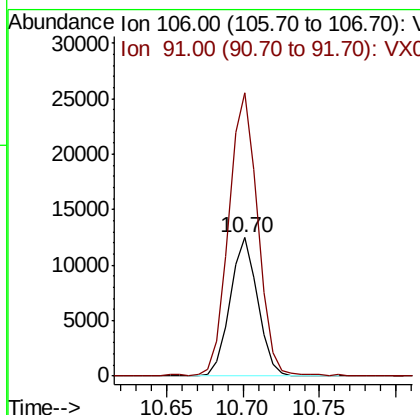
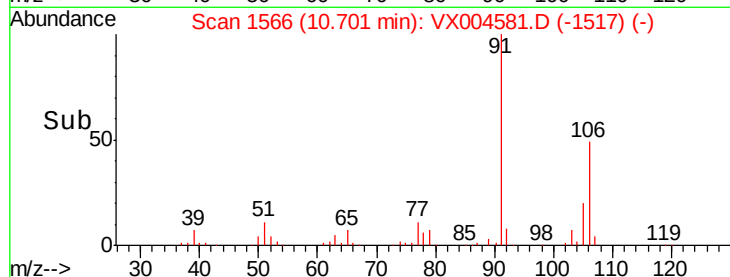
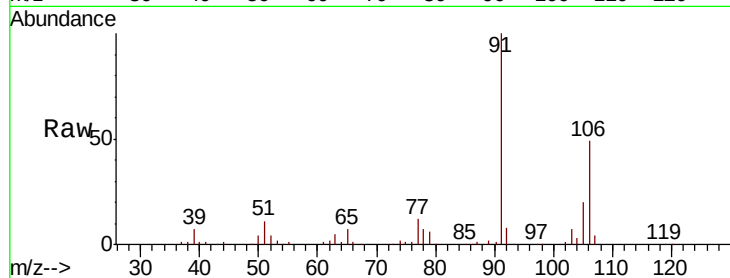
#69
o-Xylene
Concen: 2.96 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004581.D
Acq: 15 Sep 2018 13:47

Instrument :
MSVOA_X
ClientSampled :
S13-0260DL

Tot Ion:106 Resp: 15643
Ion Ratio Lower Upper
106 100
91 216.6 105.1 315.1

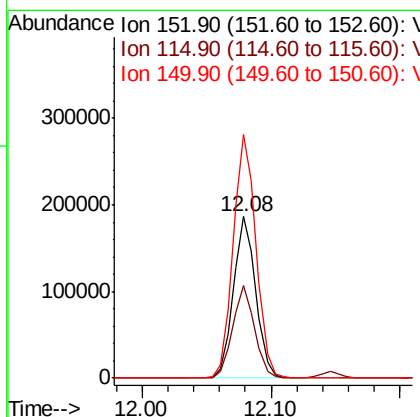
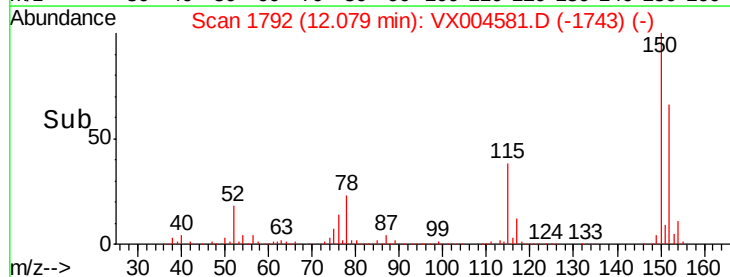
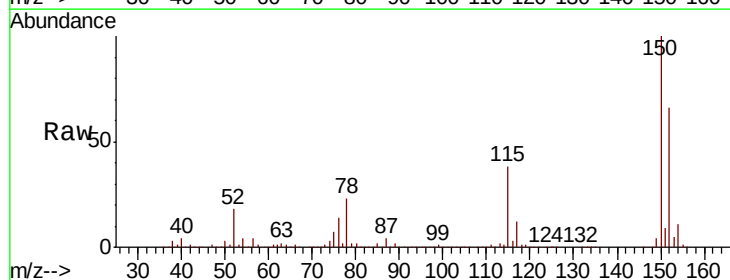
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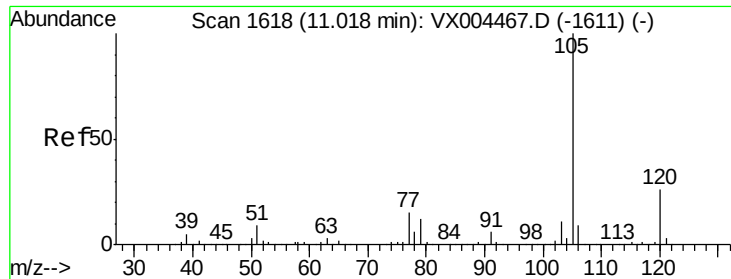
MMDadoda
9/17/2018 6:27:25 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004581.D
Acq: 15 Sep 2018 13:47

Tgt Ion:152 Resp: 225077
Ion Ratio Lower Upper
152 100
115 56.1 39.0 117.0
150 153.9 0.0 351.0





#73

Isopropylbenzene

Concen: 2.97 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004581.D

Acq: 15 Sep 2018 13:47

Instrument :

MSVOA_X

ClientSampleId :

S13-0260DL

Tot Ion: 105 Resp: 44065

Ion Ratio Lower Upper

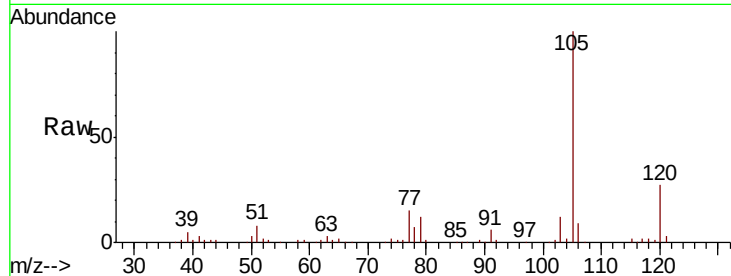
105 100

120 27.1 13.5 40.4

Manual Integrations
APPROVED

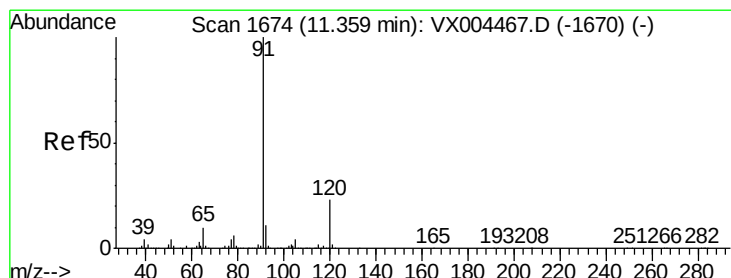
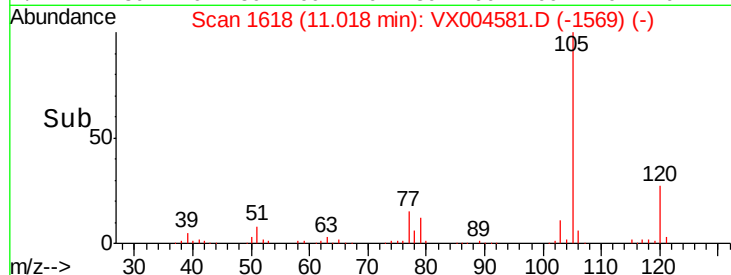
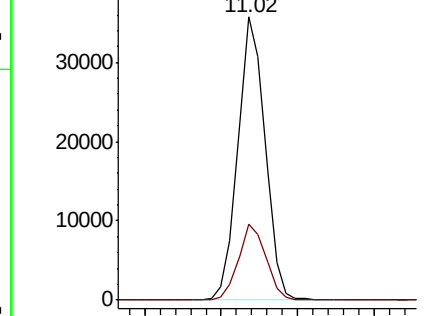
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 3.62 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004581.D

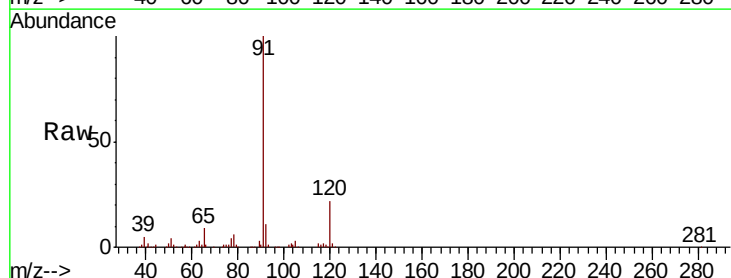
Acq: 15 Sep 2018 13:47

Tgt Ion: 91 Resp: 61677

Ion Ratio Lower Upper

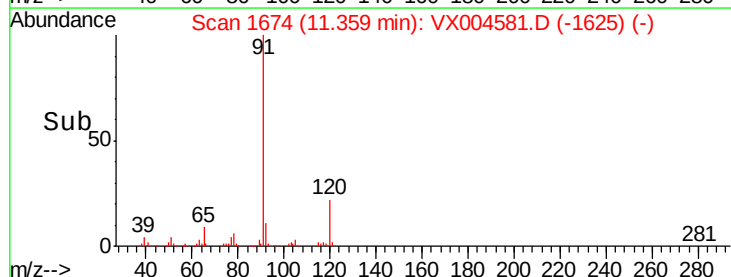
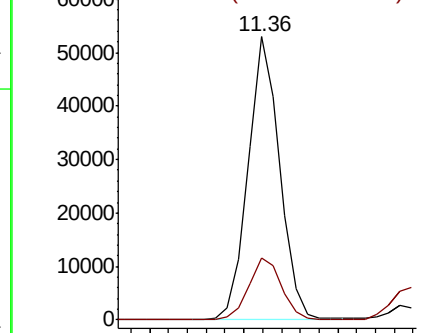
91 100

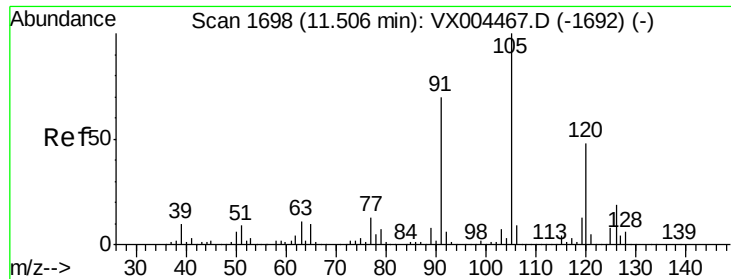
120 22.8 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





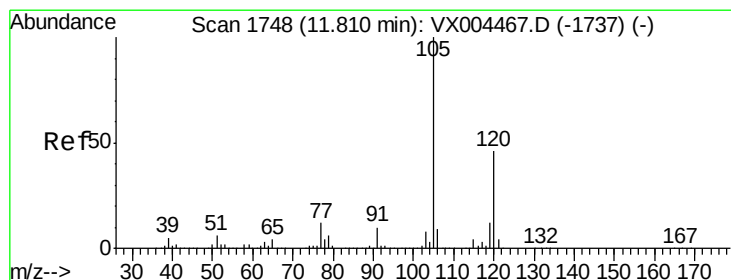
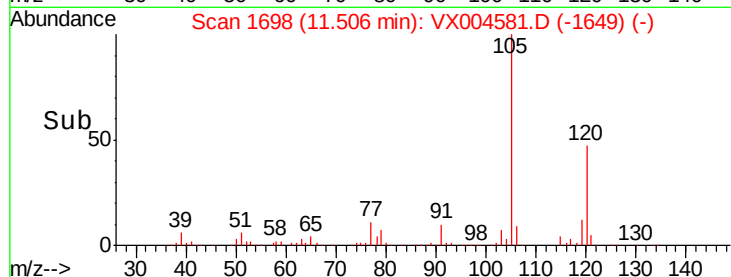
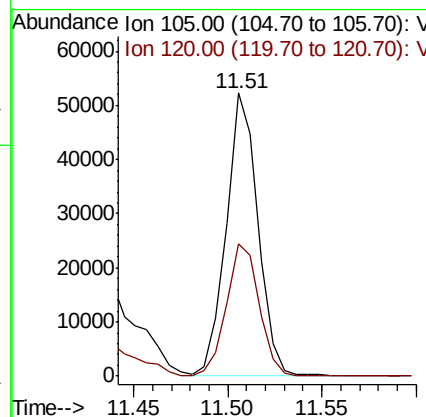
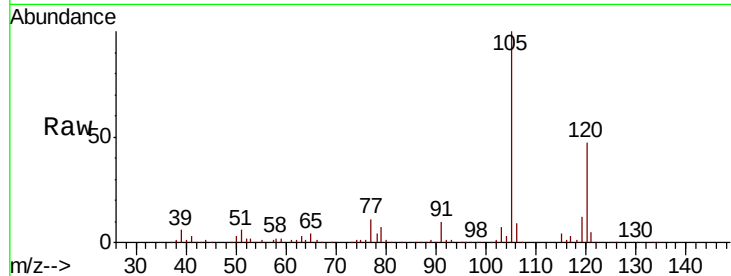
#80
 1,3,5-Trimethylbenzene
 Concen: 4.86 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX004581.D
 Acq: 15 Sep 2018 13:47

Instrument :
 MSVOA_X
 ClientSampled :
 S13-0260DL

Tot Ion:105 Resp: 60598
 Ion Ratio Lower Upper
 105 100
 120 48.4 25.6 76.8

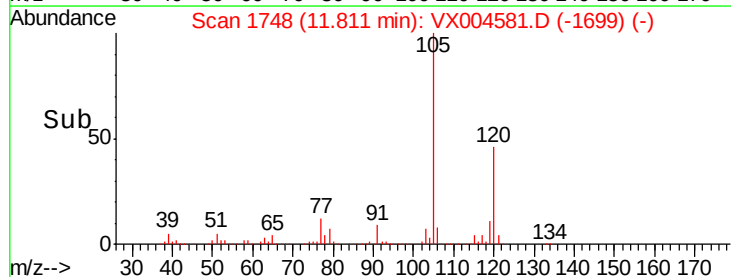
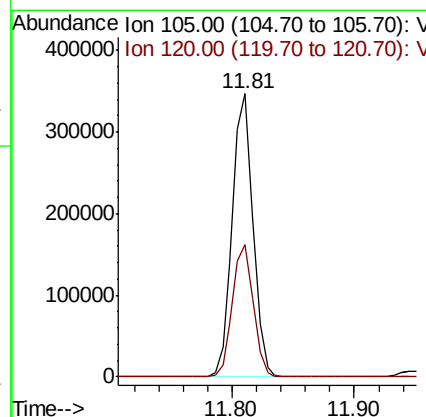
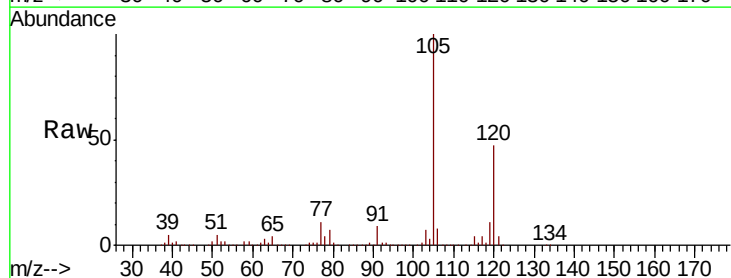
Manual Integrations
 APPROVED

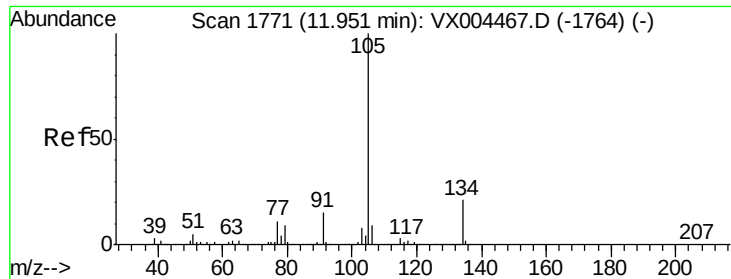
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#84
 1,2,4-Trimethylbenzene
 Concen: 31.82 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004581.D
 Acq: 15 Sep 2018 13:47

Tgt Ion:105 Resp: 404850
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.2 69.6





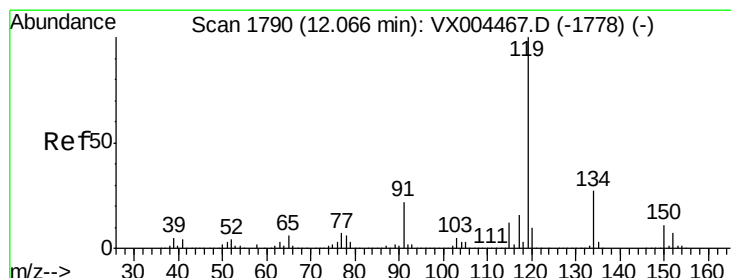
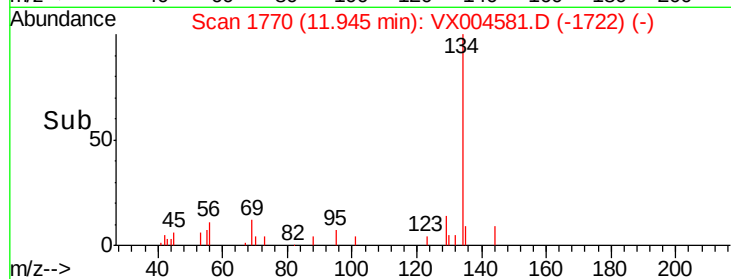
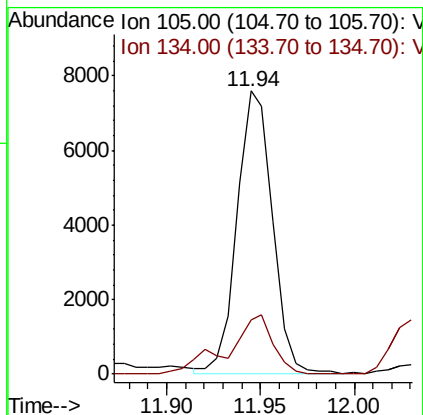
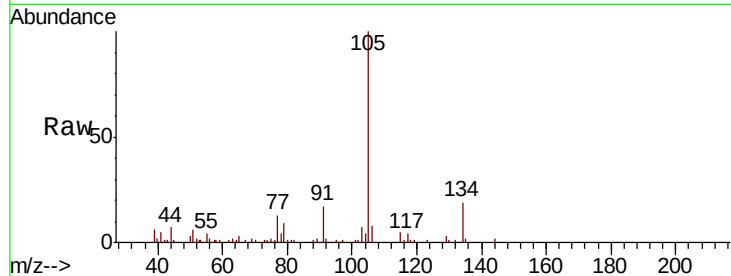
#85
 sec-Butylbenzene
 Concen: 0.68 ug/l m
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.01 min
 Lab File: VX004581.D
 Acq: 15 Sep 2018 13:47

Instrument :
 MSVOA_X
 ClientSampleID :
 S13-0260DL

Tot Ion	Ratio	Lower	Upper
105	100		
134	3.8	10.5	31.5#

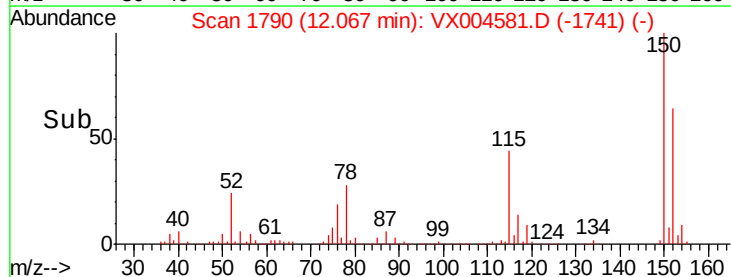
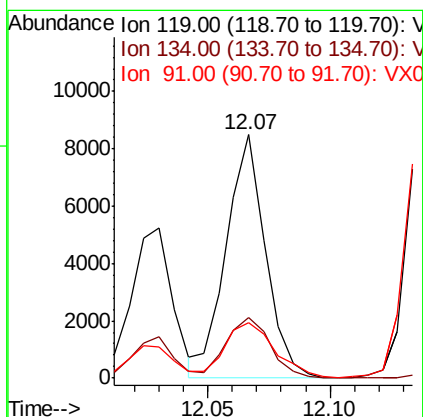
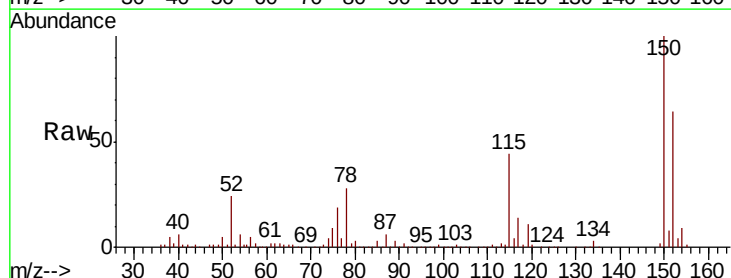
Manual Integrations
 APPROVED

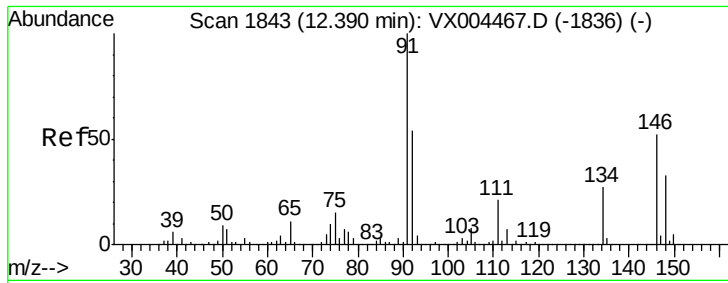
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#86
 p-Isopropyltoluene
 Concen: 0.71 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX004581.D
 Acq: 15 Sep 2018 13:47

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.6	13.4	40.2
91	28.7	10.9	32.7





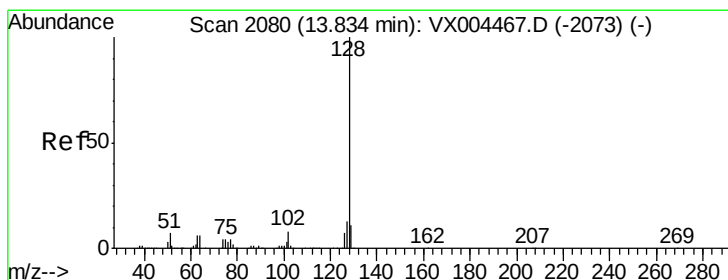
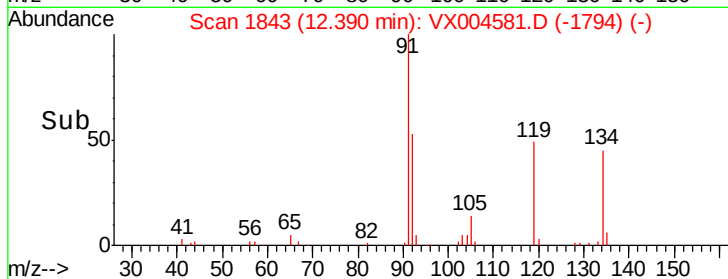
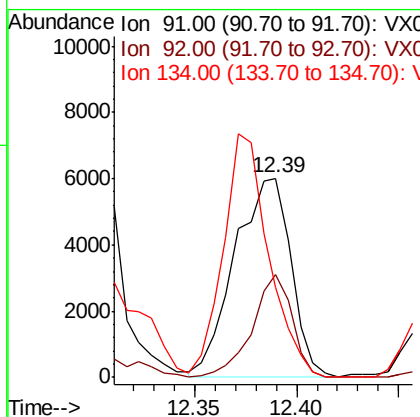
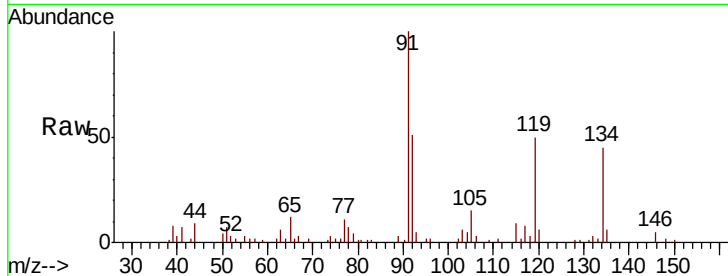
#89
n-Butylbenzene
Concen: 0.95 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004581.D
Acq: 15 Sep 2018 13:47

Instrument :
MSVOA_X
ClientSampled :
S13-0260DL

Tot Ion	Ratio	Resp	Lower	Upper
91	100	11532		
92	36.6	27.3	81.9	
134	98.1	13.6	40.7	

Manual Integrations
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#95
Naphthalene
Concen: 12.04 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004581.D
Acq: 15 Sep 2018 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	185007		
127	12.5	10.2	15.2	
129	10.4	8.6	12.8	

