

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091020\
 Data File : VX018341.D
 Acq On : 10 Sep 2020 16:03
 Operator : JC/SP
 Sample : L3952-08 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 40556

Manual Integrations
 APPROVED

MMDadoda
 9/11/2020 10:13:35 AM

Quant Time: Sep 11 07:21:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	424595	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	691247	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.10	117	685313	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	379665	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	301200	51.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.20%	
35) Dibromofluoromethane	5.46	113	234910	49.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.80%	
50) Toluene-d8	8.70	98	849296	48.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.88%	
62) 4-Bromofluorobenzene	11.12	95	360791	52.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.60%	
Target Compounds						
					Qvalue	
16) Acetone	2.43	43	321559	140.000	ug/l	93
19) Methyl tert-butyl Ether	3.17	73	15336	1.078	ug/l	95
25) 2-Butanone	4.65	43	11017	2.919	ug/l	98
37) Ethyl Acetate	4.79	43	77592	10.478	ug/l	98
40) Benzene	6.11	78	474497	25.328	ug/l	96
52) Toluene	8.76	92	491482	41.373	ug/l	98
67) Ethyl Benzene	10.23	91	97157	4.174	ug/l	100
68) m/p-Xylenes	10.34	106	134573	15.490	ug/l	97
69) o-Xylene	10.68	106	89970	10.683	ug/l	99
73) Isopropylbenzene	11.00	105	15820	0.632	ug/l	93
78) n-propylbenzene	11.34	91	51118	1.798	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	61628	2.995	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	283443	13.472	ug/l	98
85) sec-Butylbenzene	11.93	105	12208	0.529	ug/l #	77
86) p-Isopropyltoluene	12.05	119	8622m	0.406	ug/l	
89) n-Butylbenzene	12.37	91	23599	1.219	ug/l #	45
95) Naphthalene	13.82	128	110454	4.399	ug/l	96

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

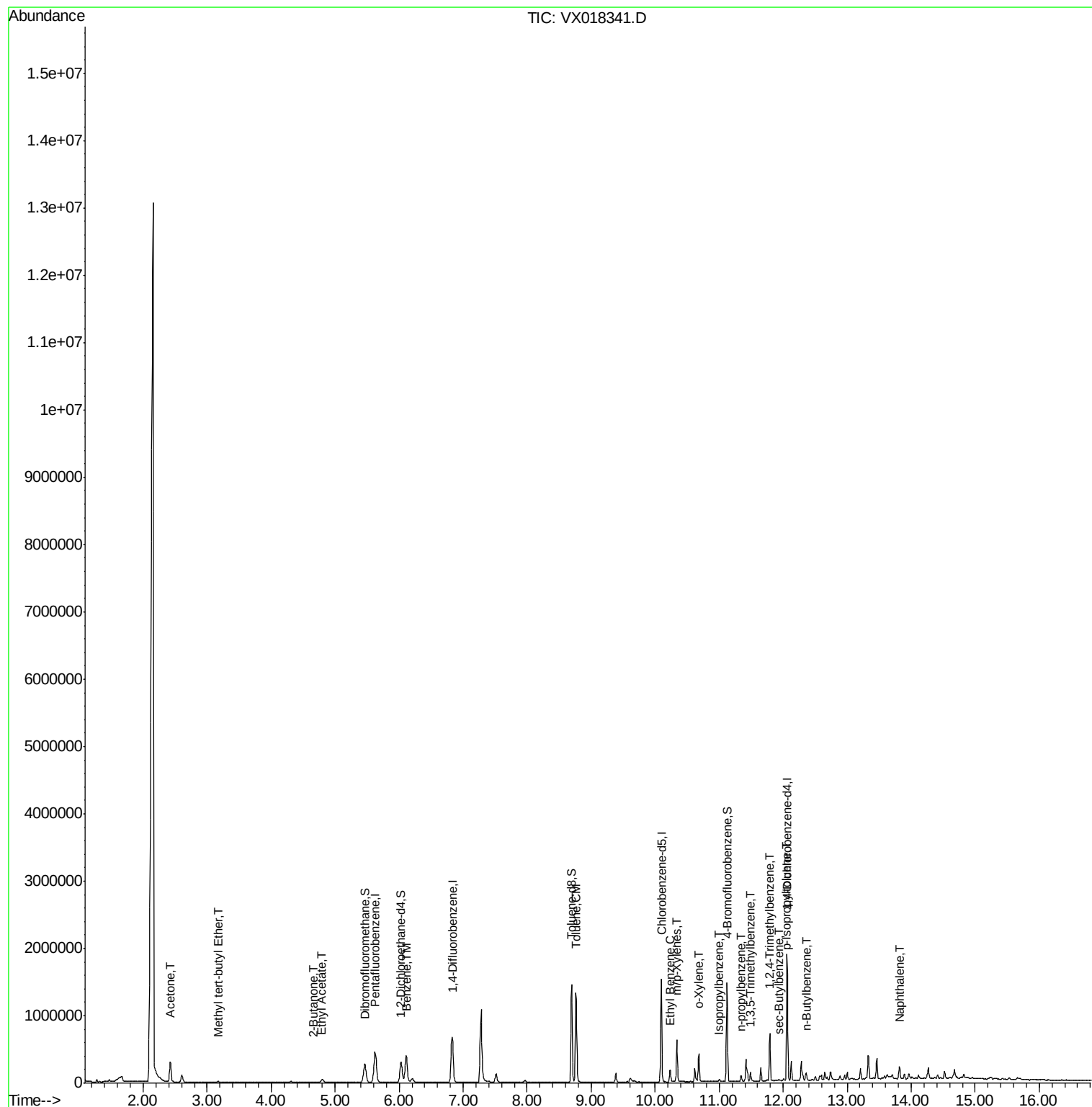
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091020\
Data File : VX018341.D
Acq On : 10 Sep 2020 16:03
Operator : JC/SP
Sample : L3952-08 20X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

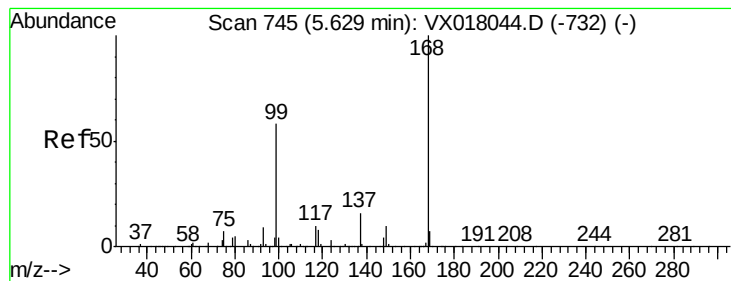
Instrument :
MSVOA_X
ClientSampleId :
40556

Manual Integrations
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Quant Time: Sep 11 07:21:29 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018341.D

Acq: 10 Sep 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

40556

Tot Ion:168 Resp: 424595

Ion Ratio Lower Upper

168 100

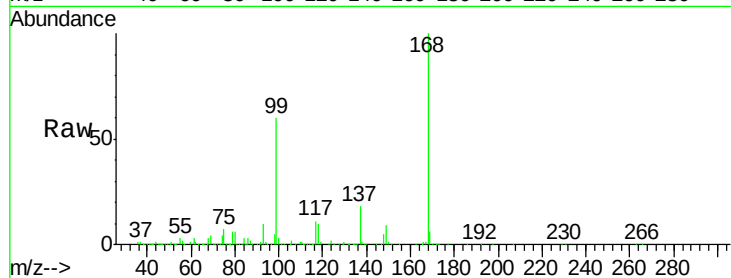
99 60.3 46.3 69.5

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

150000

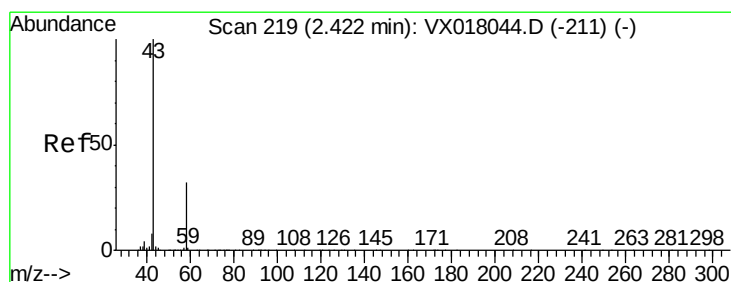
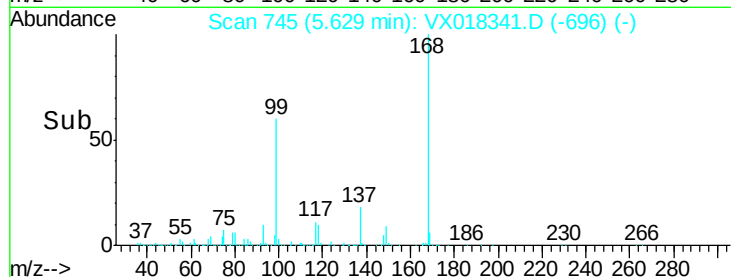
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#16

Acetone

Concen: 140.000 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX018341.D

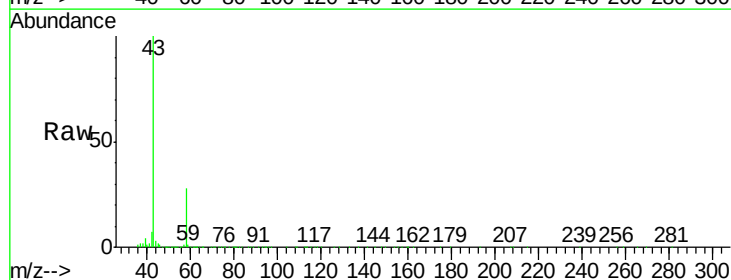
Acq: 10 Sep 2020 16:03

Tgt Ion: 43 Resp: 321559

Ion Ratio Lower Upper

43 100

58 27.9 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

200000

150000

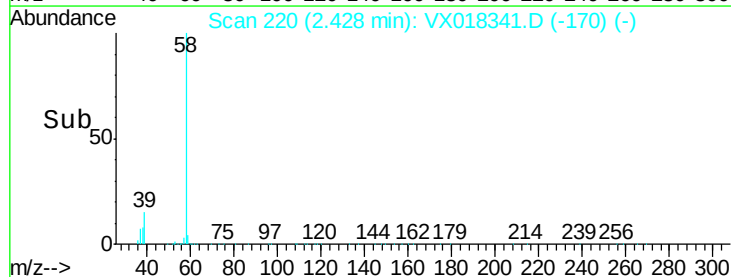
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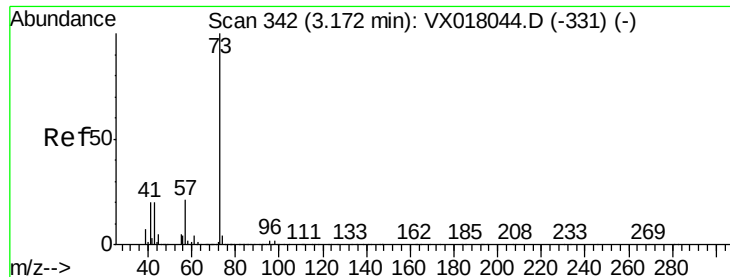
50000

0

2.40 2.50

Time-->





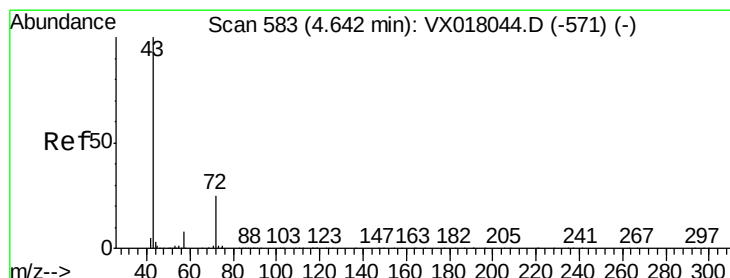
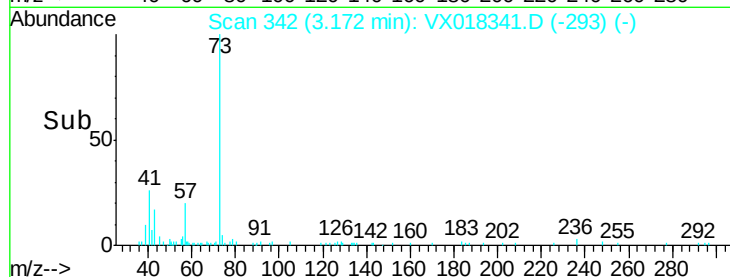
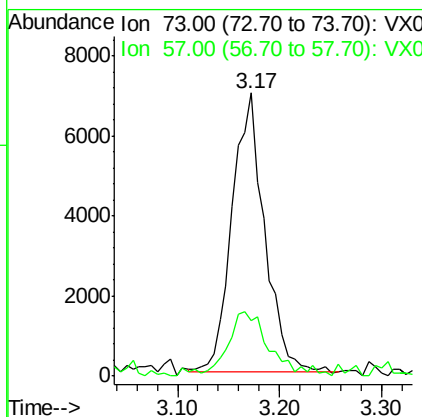
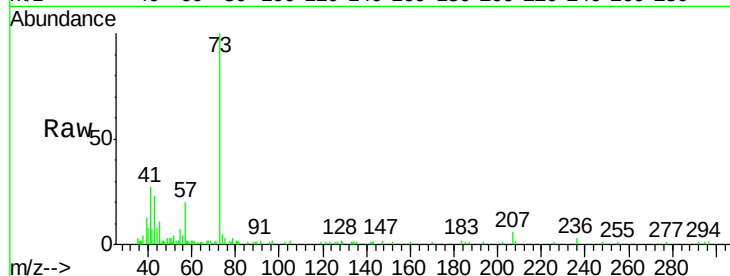
#19
Methyl tert-butyl Ether
Concen: 1.078 ug/l
RT: 3.17 min Scan# 342
Delta R.T. -0.00 min
Lab File: VX018341.D
Acq: 10 Sep 2020 16:03

Instrument :
MSVOA_X
ClientSampleId :
40556

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.6	16.8	25.2

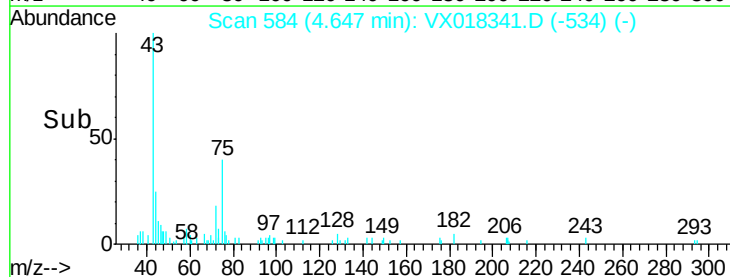
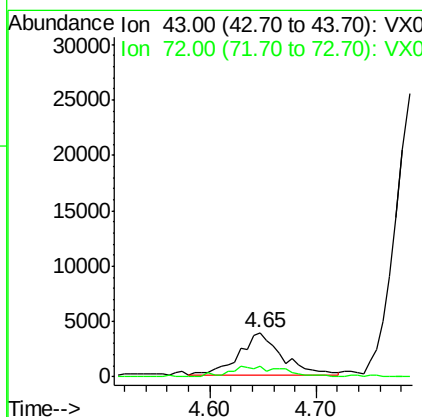
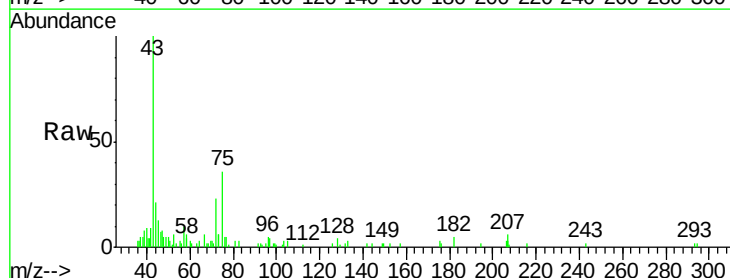
Manual Integrations
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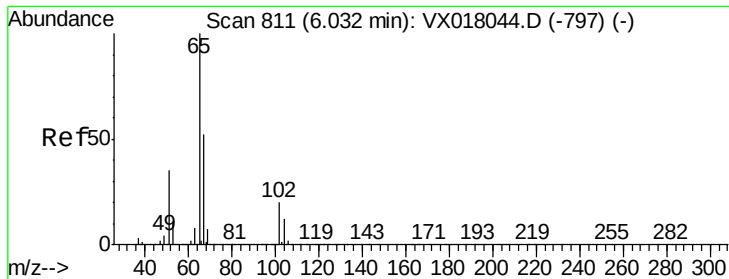
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#25
2-Butanone
Concen: 2.919 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX018341.D
Acq: 10 Sep 2020 16:03

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.8	19.8	29.6





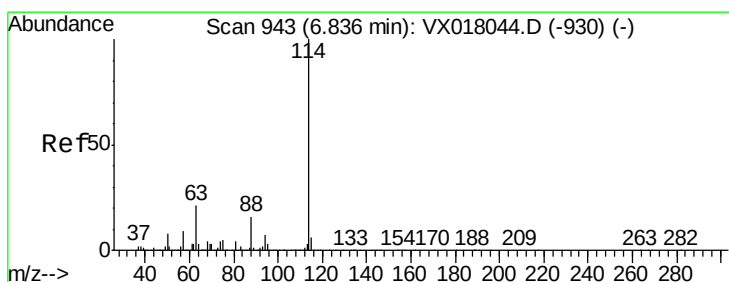
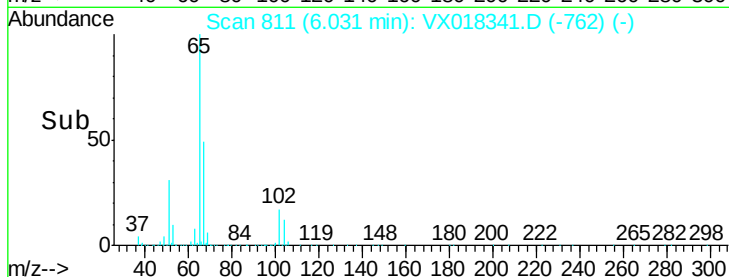
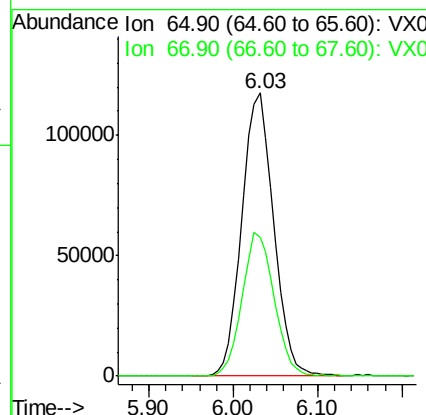
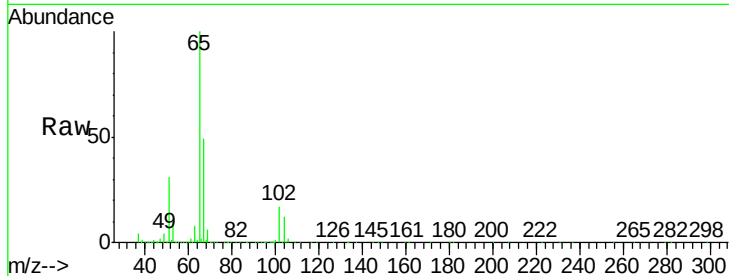
#33
 1,2-Dichloroethane-d4
 Concen: 51.099 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX018341.D
 Acq: 10 Sep 2020 16:03

Instrument :
 MSVOA_X
 ClientSampled :
 40556

Tot Ion	Ratio	Resp	Lower	Upper
65	100	301200		
67	50.5	0.0	105.8	

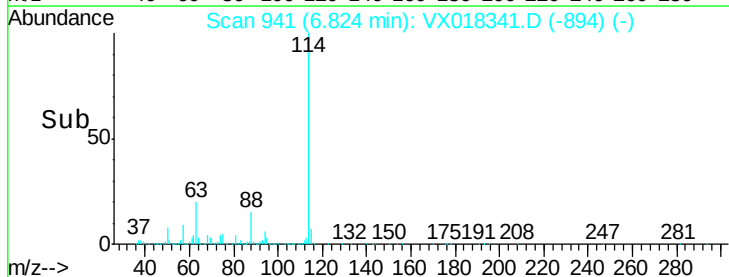
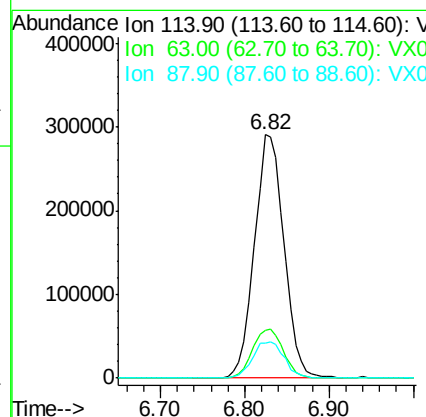
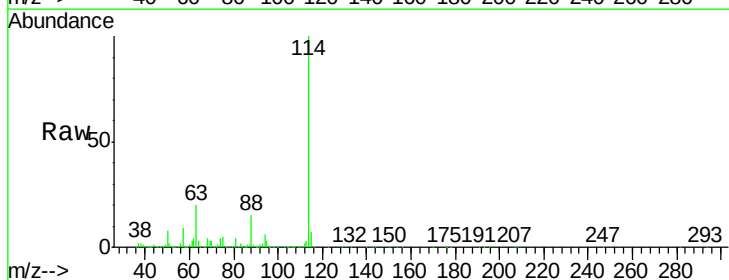
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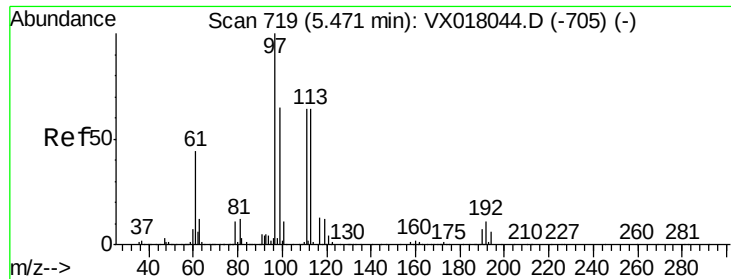
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.82 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: VX018341.D
 Acq: 10 Sep 2020 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	691247		
63	19.6	0.0	42.6	
88	14.5	0.0	31.8	





#35

Dibromofluoromethane

Concen: 49.899 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018341.D

Acq: 10 Sep 2020 16:03

Instrument :

MSVOA_X

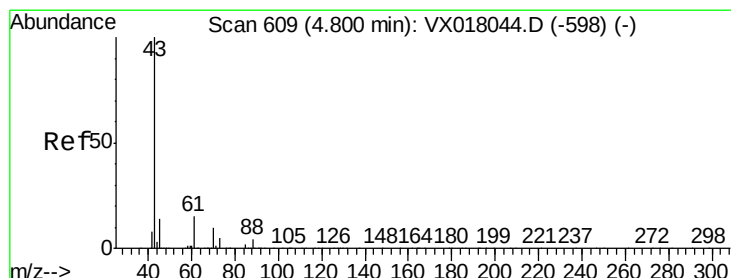
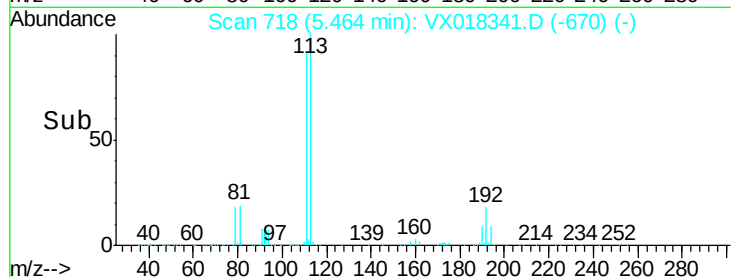
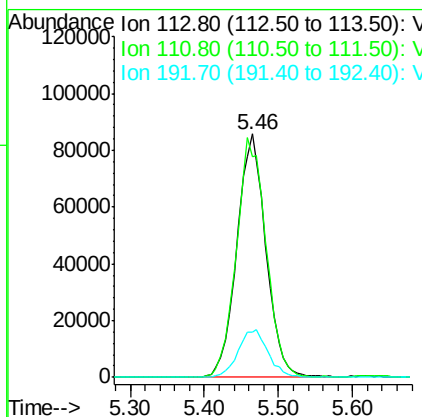
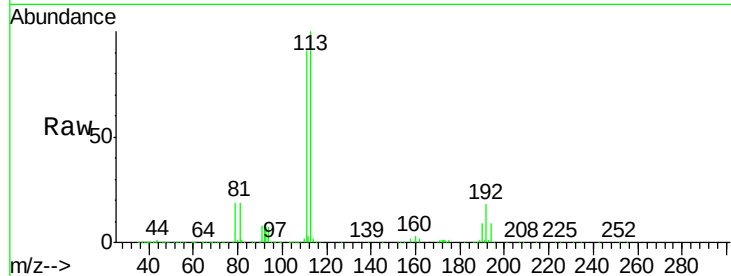
ClientSampleId :

40556

Tot Ion:	113	Resp:	234910
Ion Ratio	Lower	Upper	
113	100		
111	100.5	81.6	122.4
192	20.3	15.8	23.8

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#37

Ethyl Acetate

Concen: 10.478 ug/l

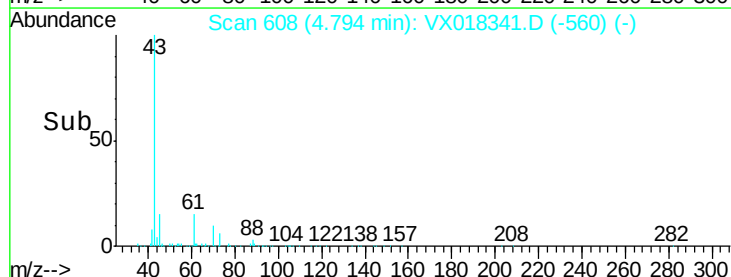
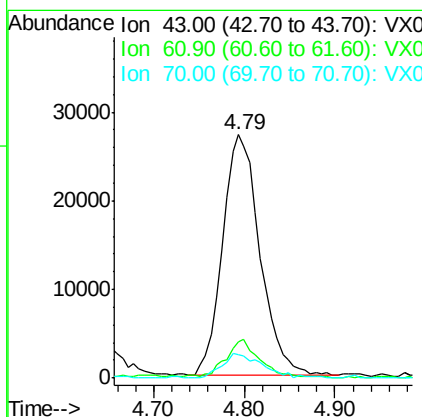
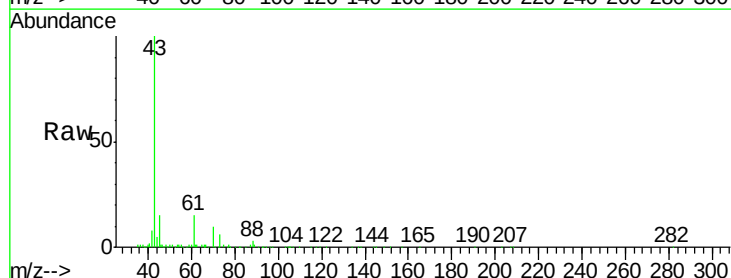
RT: 4.79 min Scan# 608

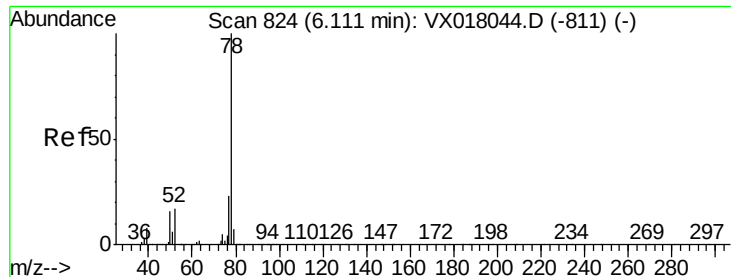
Delta R.T. -0.01 min

Lab File: VX018341.D

Acq: 10 Sep 2020 16:03

Tgt Ion:	43	Resp:	77592
Ion Ratio	Lower	Upper	
43	100		
61	13.8	11.3	16.9
70	11.3	8.2	12.4





#40

Benzene

Concen: 25.328 ug/l

RT: 6.11 min Scan# 824

Delta R.T. -0.00 min

Lab File: VX018341.D

Acq: 10 Sep 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

40556

Tot Ion: 78 Resp: 474497

Ion Ratio Lower Upper

78 100

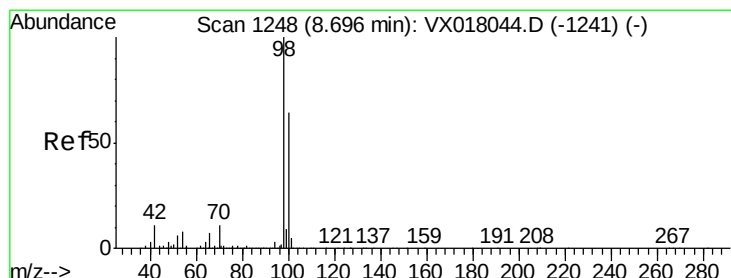
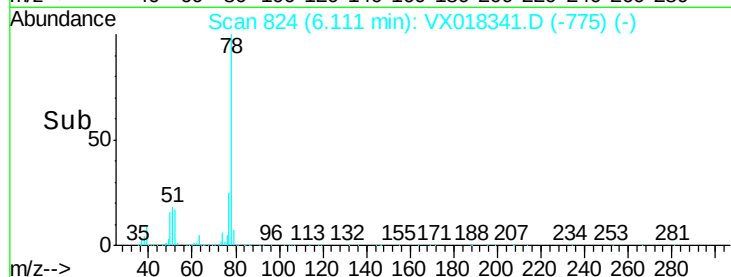
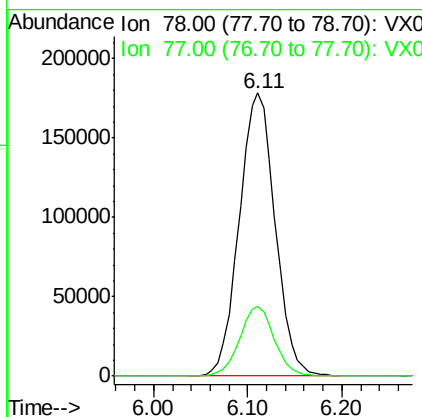
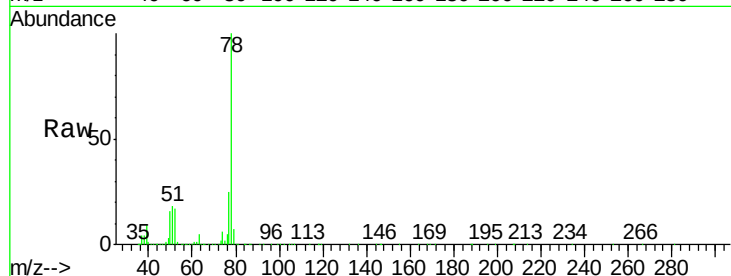
77 24.7 18.2 27.2

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#50

Toluene-d8

Concen: 48.437 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018341.D

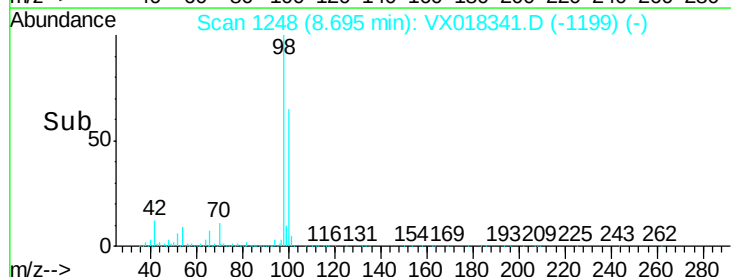
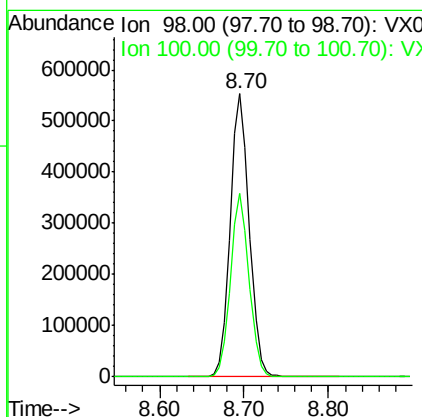
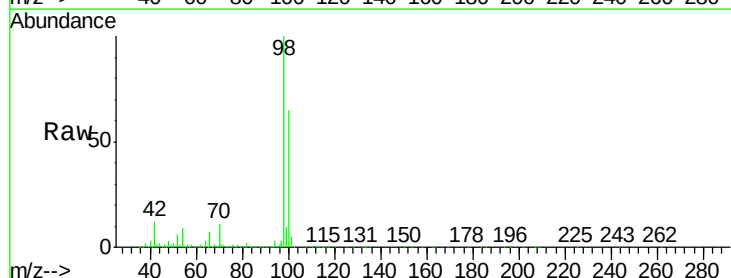
Acq: 10 Sep 2020 16:03

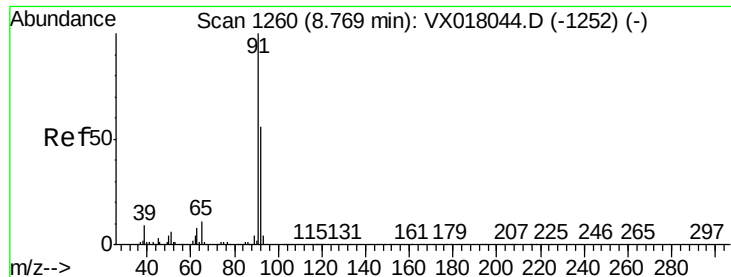
Tgt Ion: 98 Resp: 849296

Ion Ratio Lower Upper

98 100

100 63.4 52.2 78.4





#52

Toluene

Concen: 41.373 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX018341.D

Acq: 10 Sep 2020 16:03

Instrument :

MSVOA_X

ClientSampled :

40556

Tot Ion: 92 Resp: 491482

Ion Ratio Lower Upper

92 100

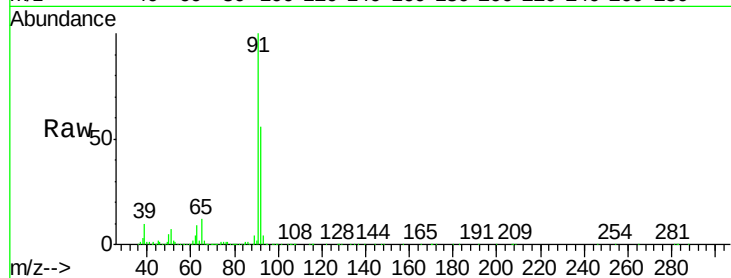
91 173.2 140.3 210.5

Manual Integrations

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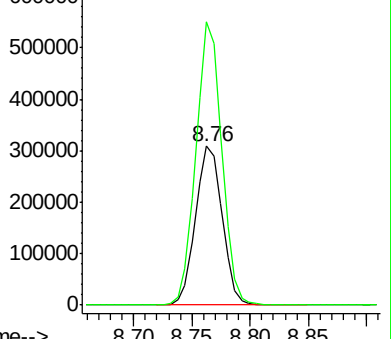
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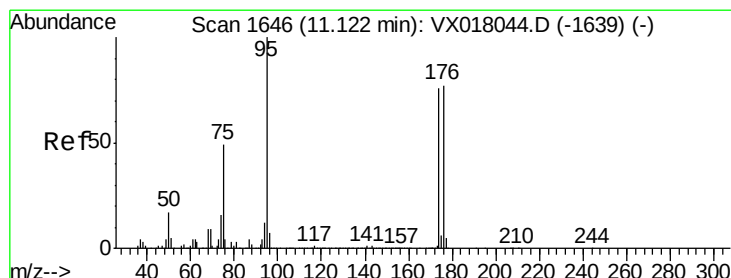
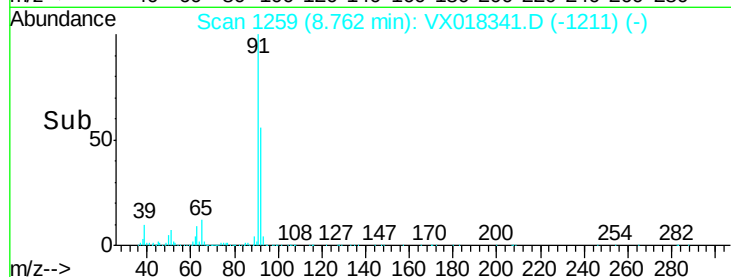


Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time-->



#62

4-Bromofluorobenzene

Concen: 52.299 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018341.D

Acq: 10 Sep 2020 16:03

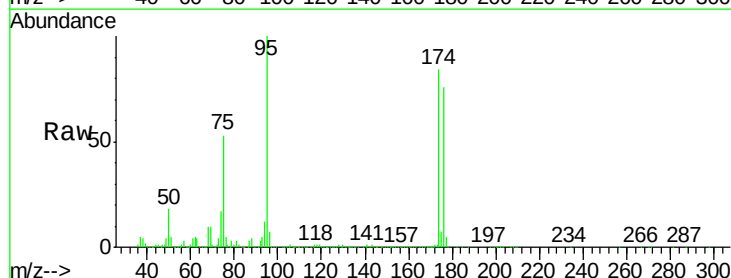
Tgt Ion: 95 Resp: 360791

Ion Ratio Lower Upper

95 100

174 79.1 0.0 160.2

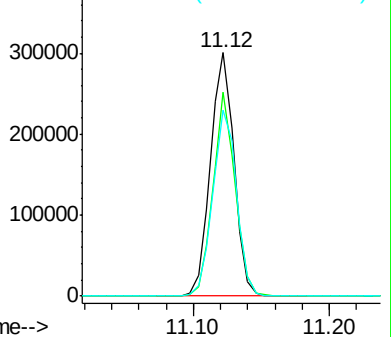
176 78.0 0.0 155.8



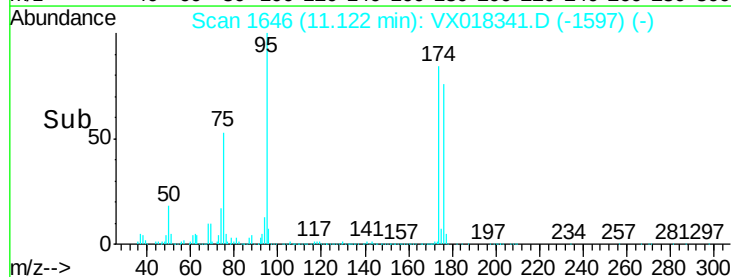
Abundance Ion 94.90 (94.60 to 95.60): VX0

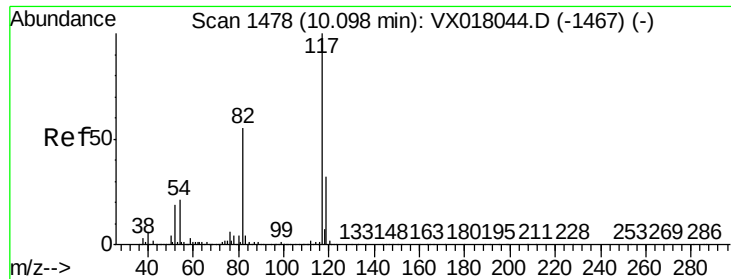
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





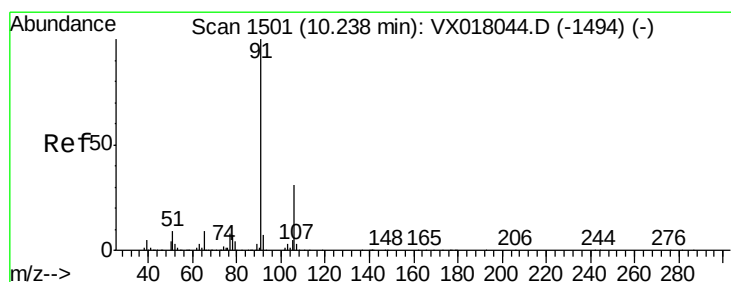
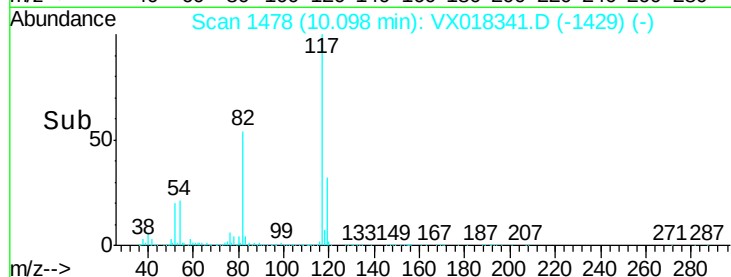
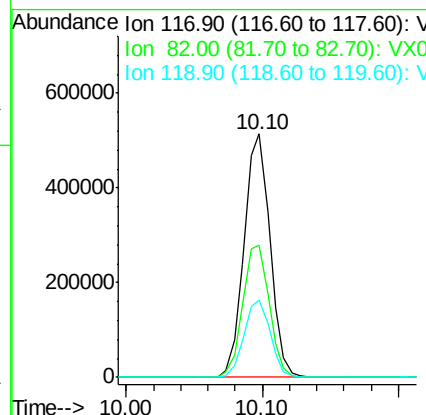
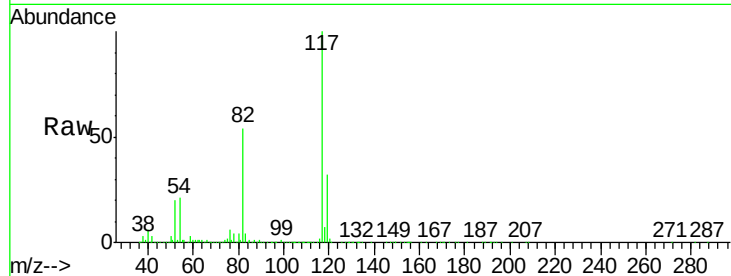
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018341.D
Acq: 10 Sep 2020 16:03

Instrument :
MSVOA_X
ClientSampleId :
40556

Tot Ion	Ratio	Resp	Lower	Upper
117	100	685313		
82	54.2		44.2	66.2
119	31.5		25.7	38.5

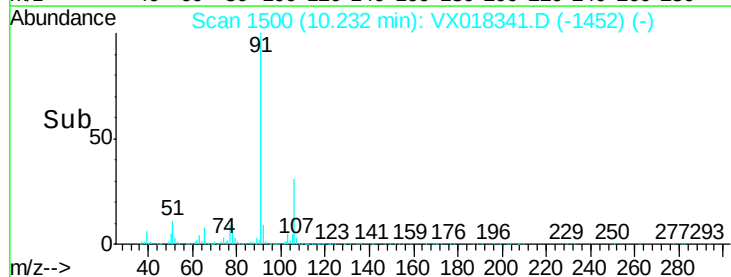
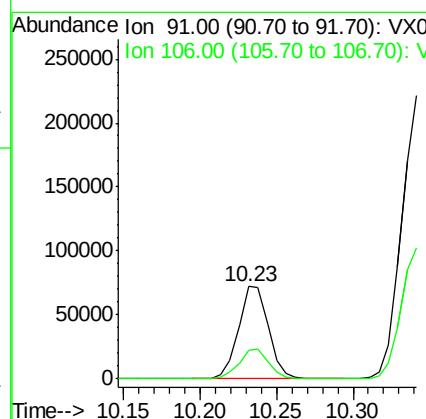
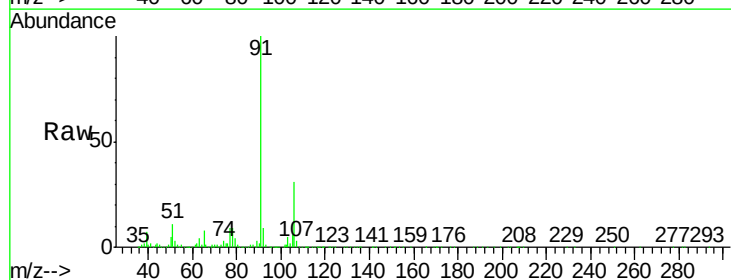
Manual Integrations
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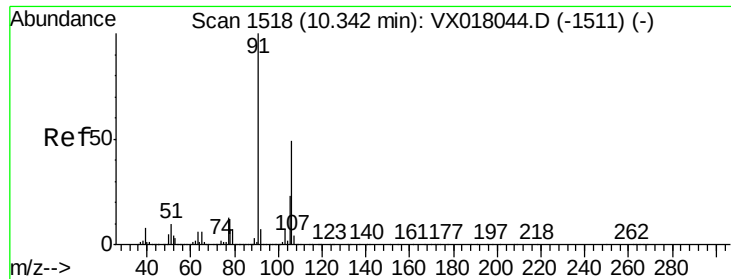
MMDadoda
9/11/2020 10:13:35 AM



#67
Ethyl Benzene
Concen: 4.174 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. -0.01 min
Lab File: VX018341.D
Acq: 10 Sep 2020 16:03

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	97157		
106	31.0		24.9	37.3





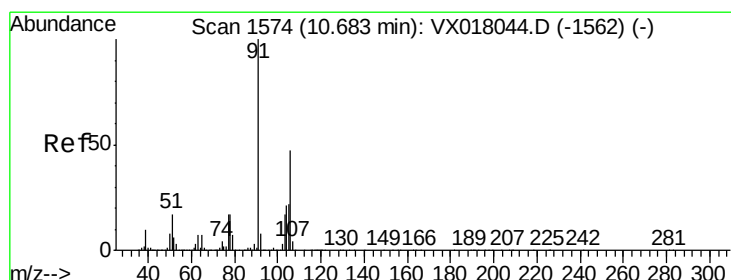
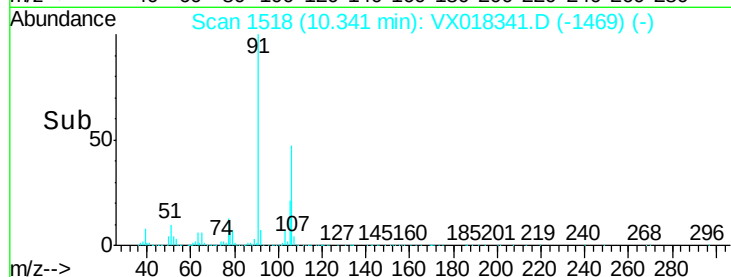
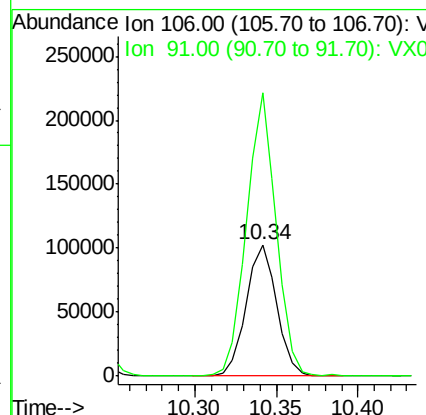
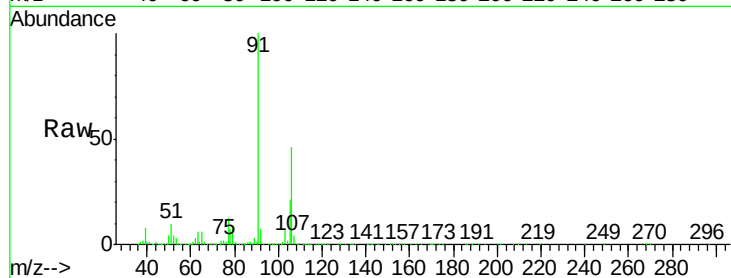
#68
m/p-Xylenes
Concen: 15.490 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX018341.D
Acq: 10 Sep 2020 16:03

Instrument :
MSVOA_X
ClientSampled :
40556

Tot Ion	Ratio	Lower	Upper
106	100		
91	206.6	162.2	243.2

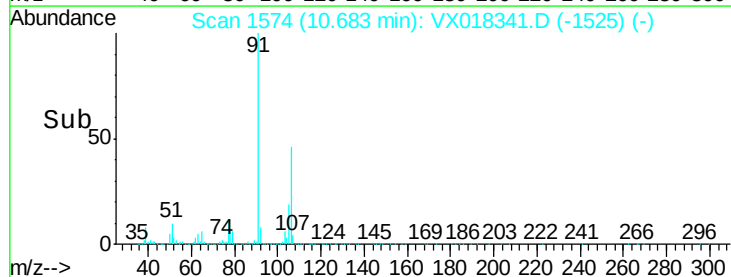
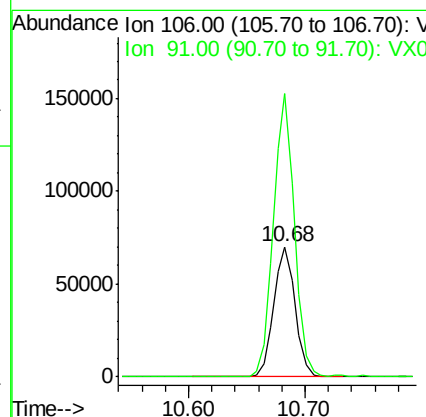
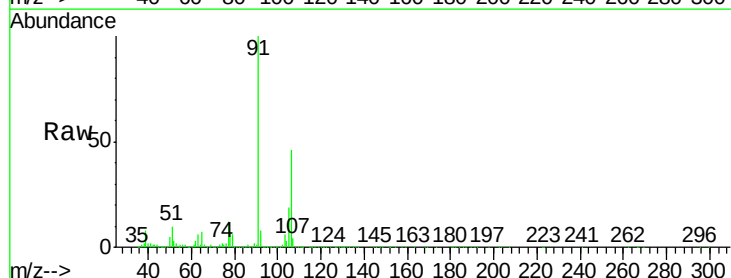
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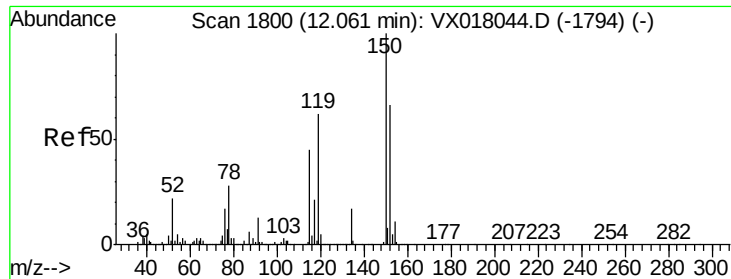
MMDadoda
9/11/2020 10:13:35 AM



#69
o-Xylene
Concen: 10.683 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX018341.D
Acq: 10 Sep 2020 16:03

Tgt Ion	Ratio	Lower	Upper
106	100		
91	212.0	107.1	321.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018341.D

Acq: 10 Sep 2020 16:03

Instrument :

MSVOA_X

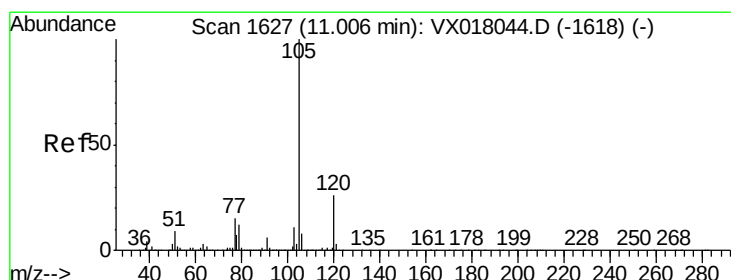
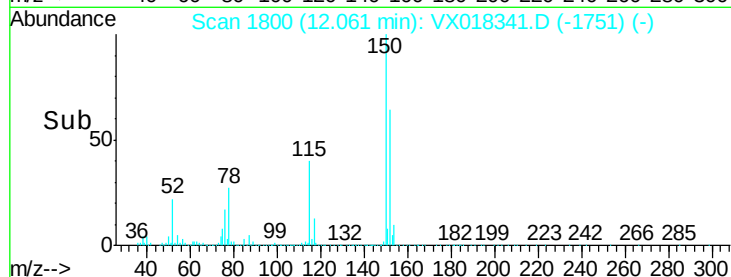
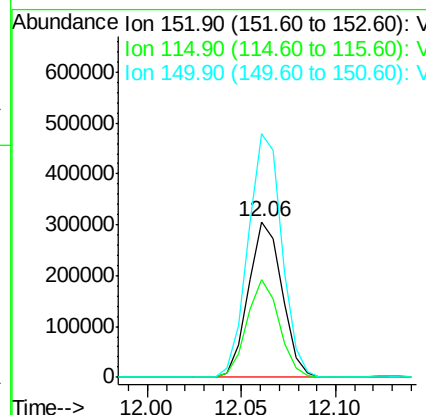
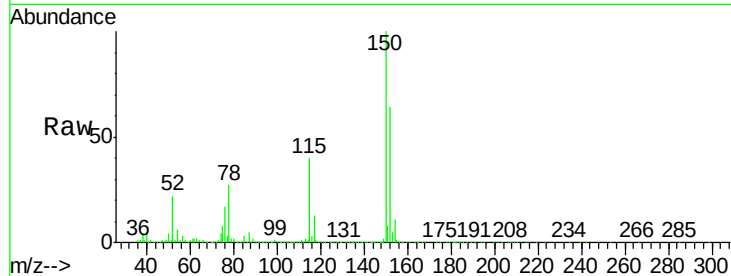
ClientSampled :

40556

Tot Ion:	152	Resp:	379665
Ion Ratio	Lower	Upper	
152	100		
115	60.1	41.5	124.5
150	156.9	0.0	343.8

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#73

Isopropylbenzene

Concen: 0.632 ug/l

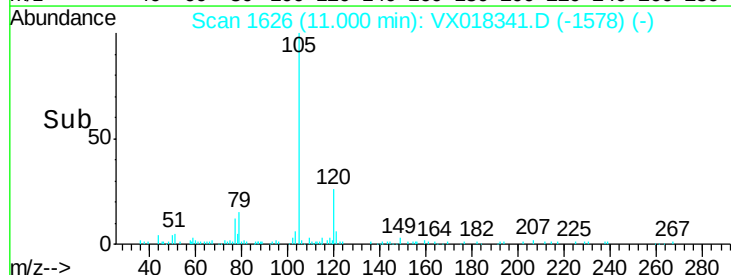
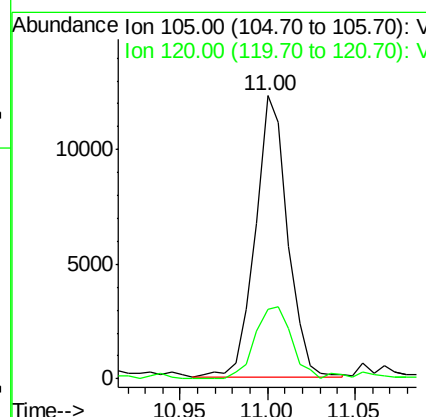
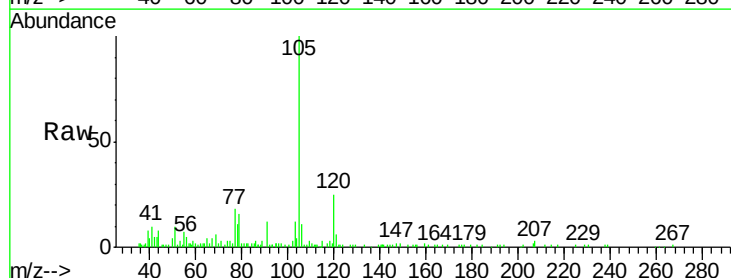
RT: 11.00 min Scan# 1626

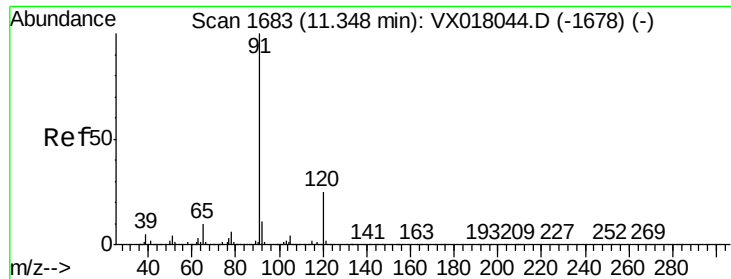
Delta R.T. -0.01 min

Lab File: VX018341.D

Acq: 10 Sep 2020 16:03

Tgt Ion:	105	Resp:	15820
Ion Ratio	Lower	Upper	
105	100		
120	29.8	13.2	39.5





#78

n-propylbenzene

Concen: 1.798 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VX018341.D

Acq: 10 Sep 2020 16:03

Instrument :

MSVOA_X

ClientSampleId :

40556

Tot Ion: 91 Resp: 51118

Ion Ratio Lower Upper

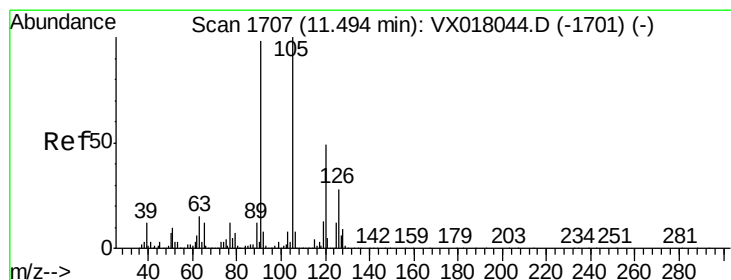
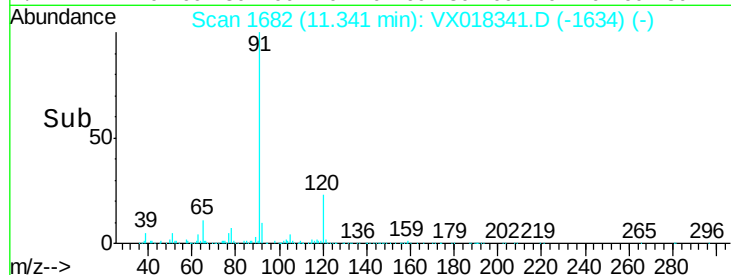
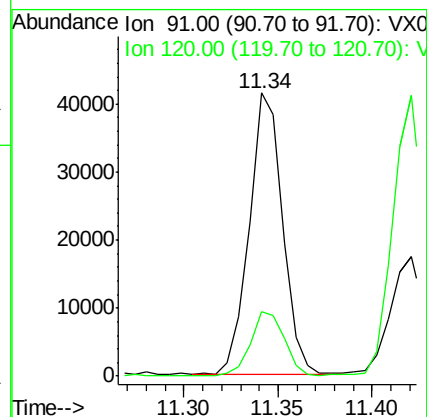
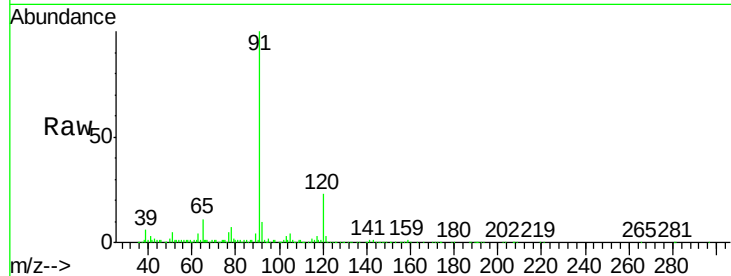
91 100

120 23.4 11.9 35.9

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#80

1,3,5-Trimethylbenzene

Concen: 2.995 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX018341.D

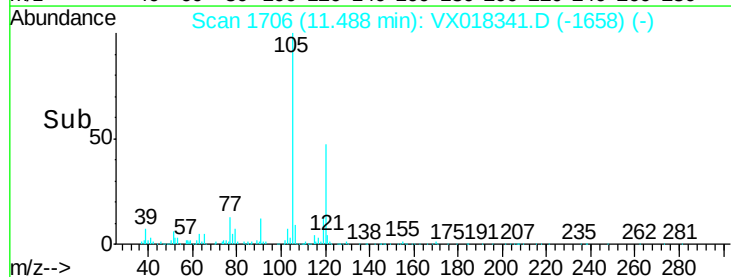
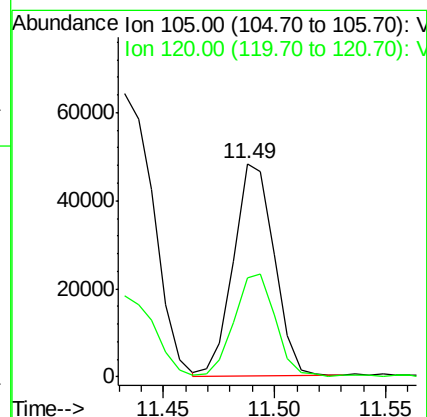
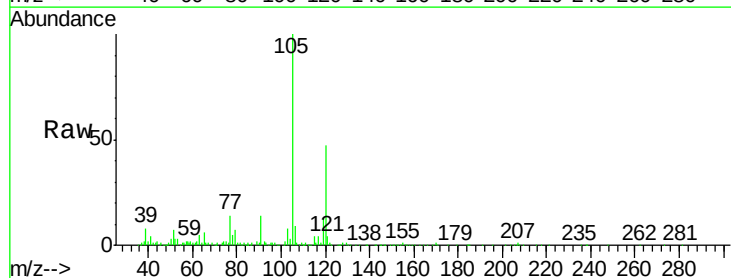
Acq: 10 Sep 2020 16:03

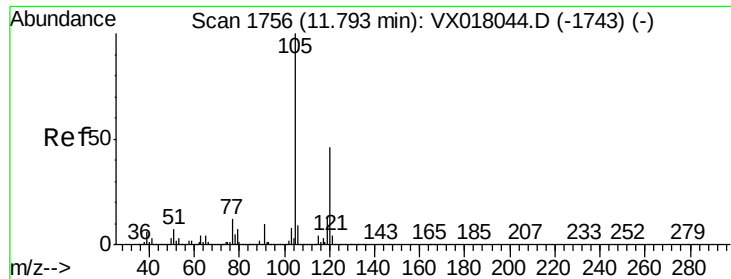
Tgt Ion: 105 Resp: 61628

Ion Ratio Lower Upper

105 100

120 49.6 24.1 72.2





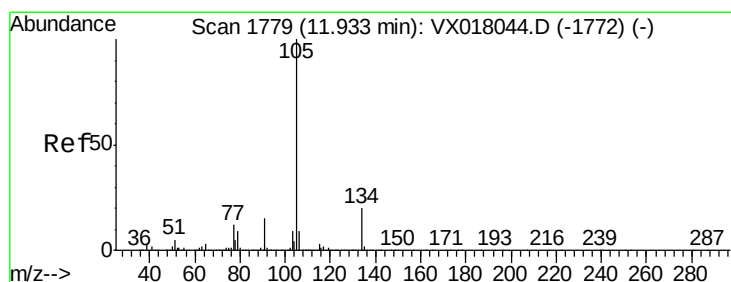
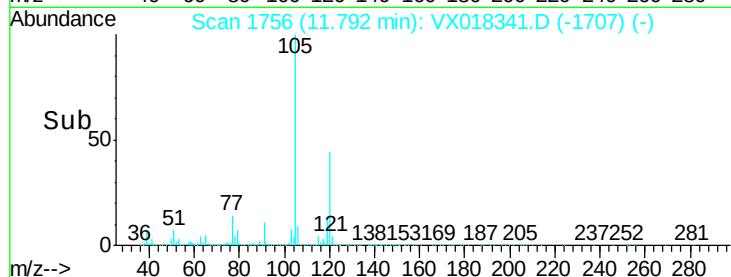
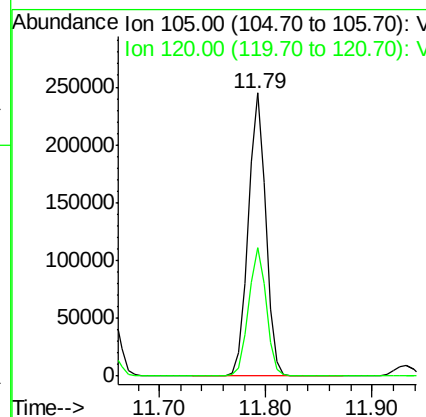
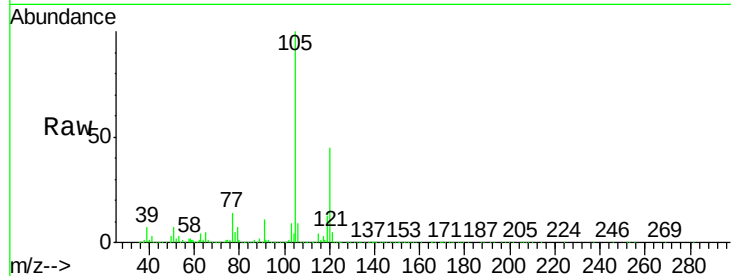
#84
 1,2,4-Trimethylbenzene
 Concen: 13.472 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX018341.D
 Acq: 10 Sep 2020 16:03

Instrument :
 MSVOA_X
 ClientSampled :
 40556

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.3	66.9

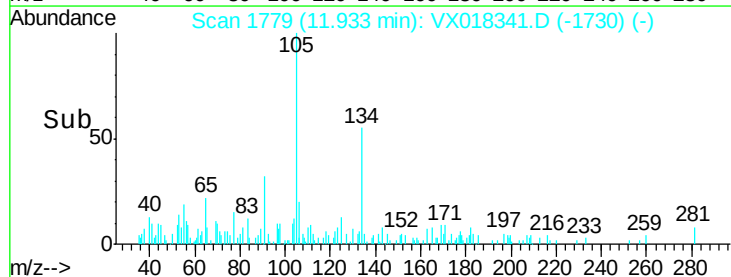
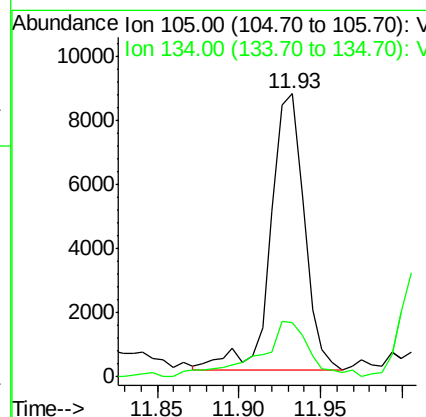
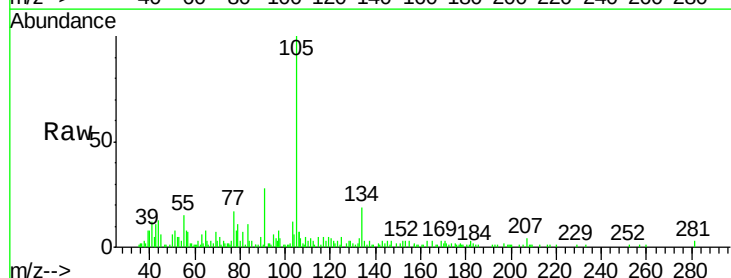
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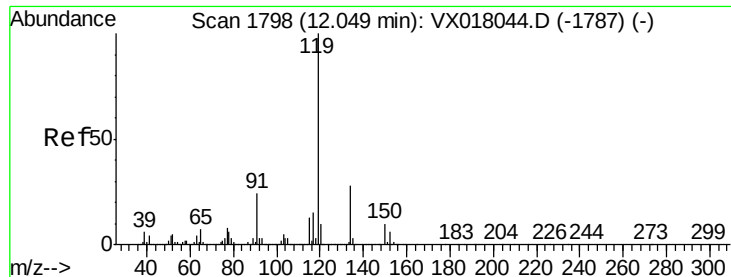
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#85
 sec-Butylbenzene
 Concen: 0.529 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VX018341.D
 Acq: 10 Sep 2020 16:03

Tgt Ion	Ratio	Lower	Upper
105	100		
134	30.8	10.1	30.3#





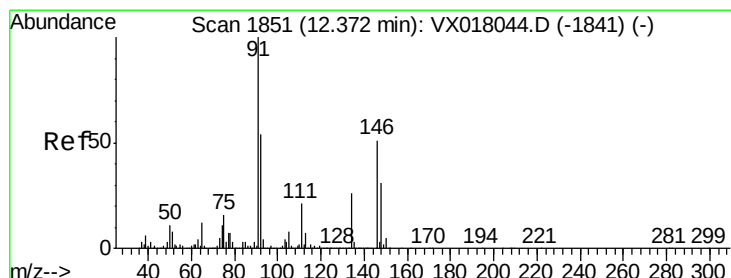
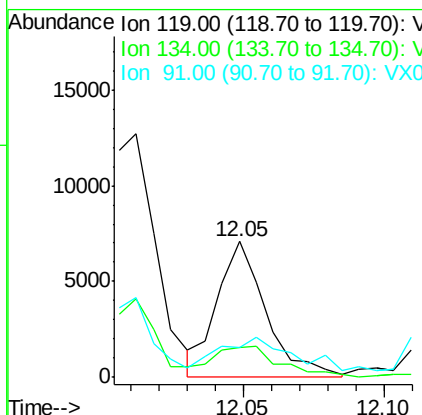
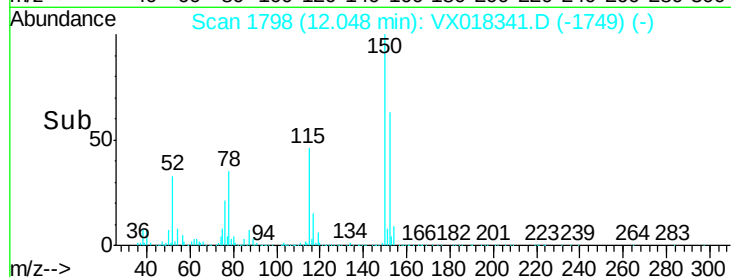
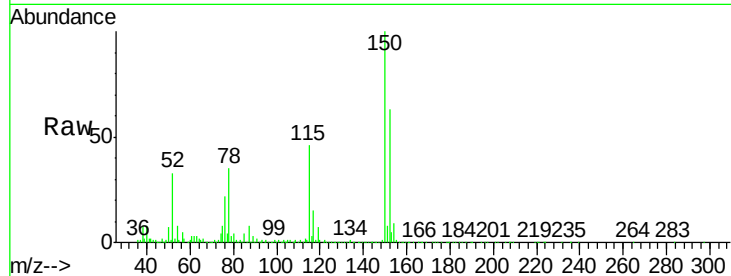
#86
p-Isopropyltoluene
Concen: 0.406 ug/l m
RT: 12.05 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VX018341.D
Acq: 10 Sep 2020 16:03

Instrument :
MSVOA_X
ClientSampled :
40556

Tot Ion	Ratio	Resp	Lower	Upper
119	100	8622		
134	59.1	13.2	39.5#	
91	48.9	11.8	35.4#	

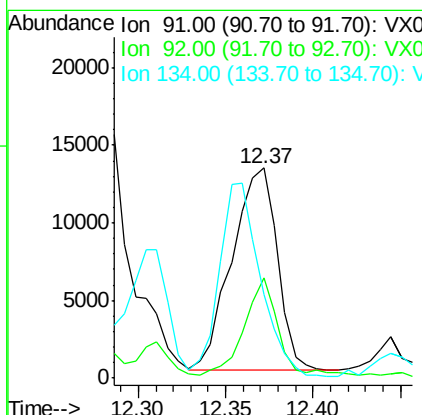
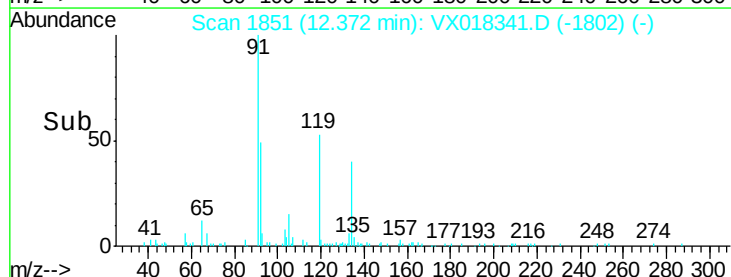
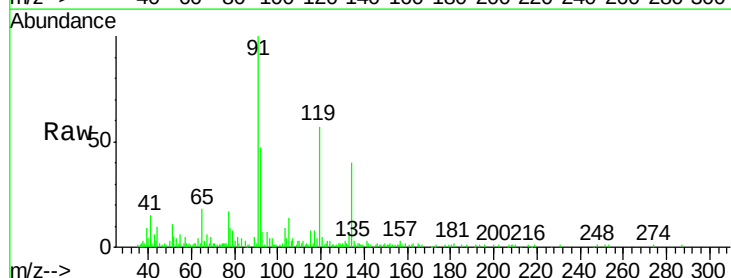
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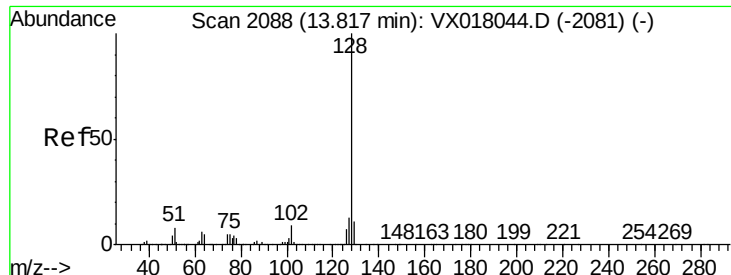
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#89
n-Butylbenzene
Concen: 1.219 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX018341.D
Acq: 10 Sep 2020 16:03

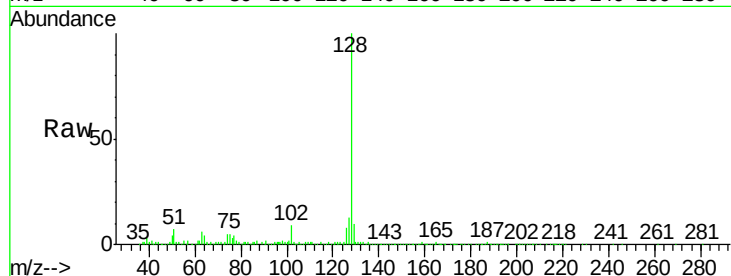
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	23599		
92	35.9	26.4	79.2	
134	86.3	12.9	38.7#	





#95
Naphthalene
Concen: 4.399 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX018341.D
Acq: 10 Sep 2020 16:03

Instrument :
MSVOA_X
ClientSampleId :
40556



Tot Ion:	128	Resp:	110454
Ion Ratio	Lower	Upper	
128	100		
127	15.1	10.2	15.2
129	11.9	8.7	13.1

Manual Integrations
APPROVED

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9/11/2020 10:13:35 AM

