

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061920\
 Data File : VX016903.D
 Acq On : 20 Jun 2020 03:14
 Operator : JC/SP
 Sample : L3063-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-1

Manual Integrations
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MMDadoda
 6/22/2020 12:22:39 PM

Quant Time: Jun 22 06:52:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 19 12:07:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	279850	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	492125	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	456481	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	266052	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	148241	44.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.08%	
35) Dibromofluoromethane	5.47	113	137107	43.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.10%	
50) Toluene-d8	8.70	98	560675	44.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.02%	
62) 4-Bromofluorobenzene	11.12	95	231538	47.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.96%	
Target Compounds						
						Qvalue
17) Carbon Disulfide	2.56	76	21945	2.839	ug/l	100
25) 2-Butanone	4.64	43	17871	10.628	ug/l	99
31) Cyclohexane	5.57	56	182218m	43.780	ug/l	
39) Methylcyclohexane	7.44	83	363729	68.843	ug/l	97
40) Benzene	6.12	78	5701	0.418	ug/l	100
52) Toluene	8.77	92	14832	1.640	ug/l	98
67) Ethyl Benzene	10.24	91	1279924	82.066	ug/l	99
68) m/p-Xylenes	10.34	106	1056514	174.084	ug/l	99
69) o-Xylene	10.68	106	48383	8.622	ug/l	98
73) Isopropylbenzene	11.00	105	1270785	74.185	ug/l	100
78) n-propylbenzene	11.34	91	1537918	80.446	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	1523549	103.084	ug/l	99
83) tert-Butylbenzene	11.76	119	10424m	0.713	ug/l	
84) 1,2,4-Trimethylbenzene	11.79	105	4143017	272.126	ug/l	97
85) sec-Butylbenzene	11.93	105	537770	31.664	ug/l	91
86) p-Isopropyltoluene	12.05	119	149876	9.632	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	1833	0.215	ug/l #	84
88) 1,4-Dichlorobenzene	12.08	146	2130m	0.247	ug/l	
89) n-Butylbenzene	12.37	91	1256594m	94.171	ug/l	
95) Naphthalene	13.82	128	290735	17.898	ug/l	98

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

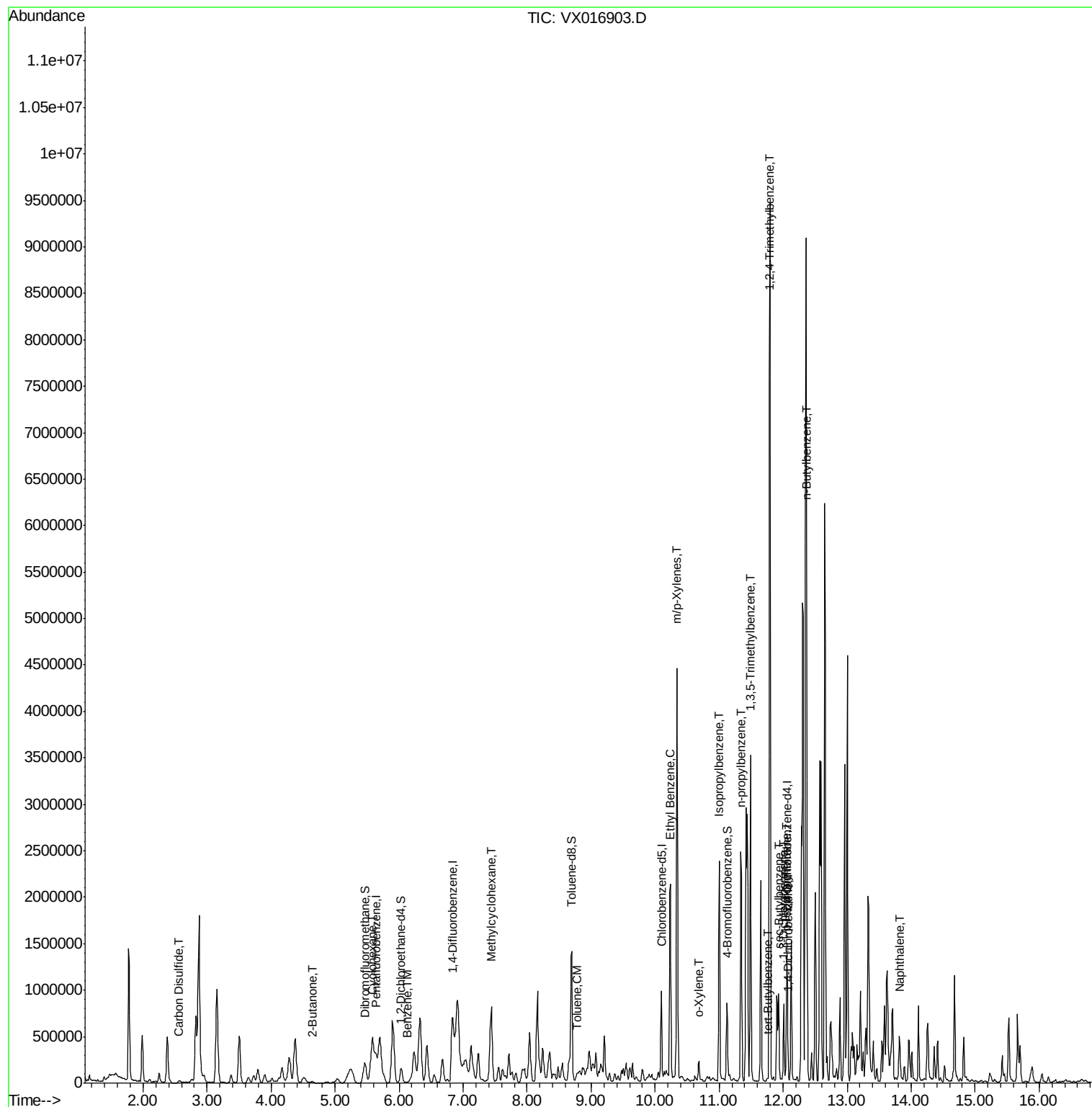
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061920\
Data File : VX016903.D
Acq On : 20 Jun 2020 03:14
Operator : JC/SP
Sample : L3063-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 36 Sample Multiplier: 1

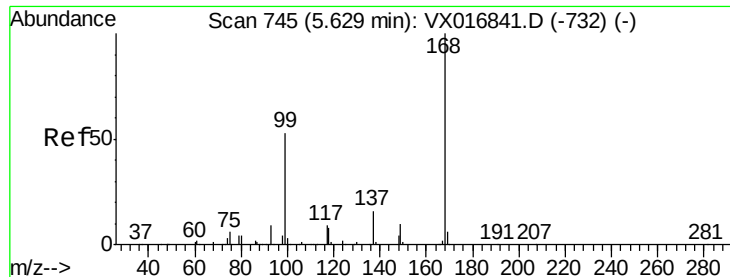
Instrument :
MSVOA_X
ClientSampleId :
TW-1

Quant Time: Jun 22 06:52:42 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 19 12:07:48 2020
Response via : Initial Calibration

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016903.D

Acq: 20 Jun 2020 03:14

Instrument :

MSVOA_X

ClientSampled :

TW-1

Tot Ion:168 Resp: 279850

Ion Ratio Lower Upper

168 100

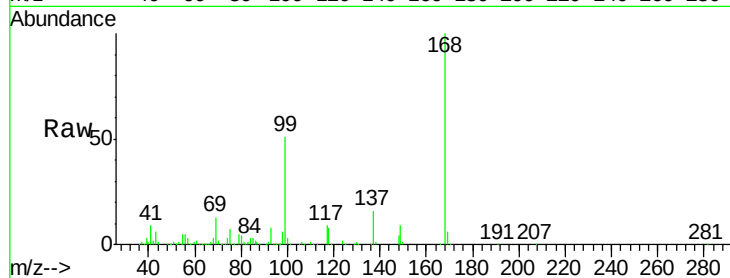
99 50.6 42.2 63.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

40000

20000

0

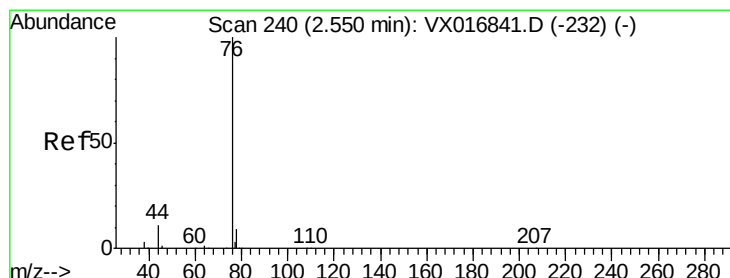
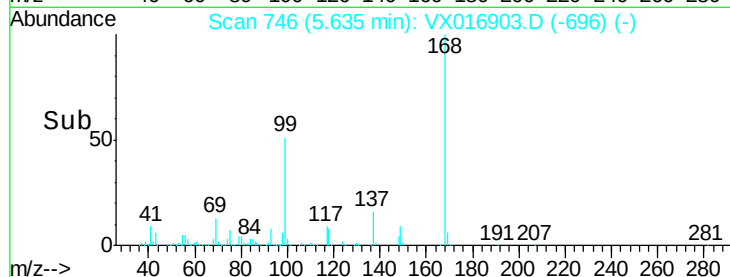
5.50

5.60

5.70

5.80

Time-->



#17

Carbon Disulfide

Concen: 2.839 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX016903.D

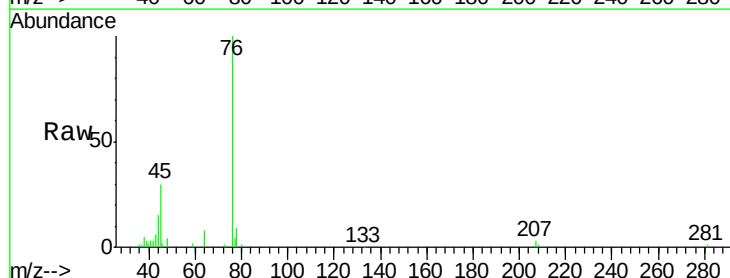
Acq: 20 Jun 2020 03:14

Tgt Ion: 76 Resp: 21945

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

12000

10000

8000

6000

4000

2000

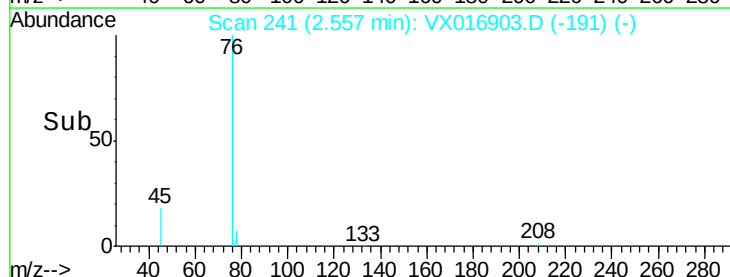
0

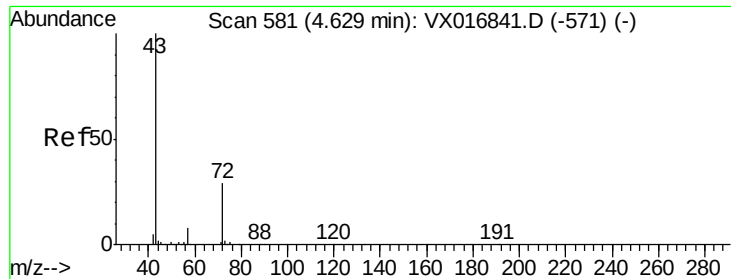
2.50

2.55

2.60

Time-->





#25

2-Butanone

Concen: 10.628 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX016903.D

Acq: 20 Jun 2020 03:14

Instrument :

MSVOA_X

ClientSampled :

TW-1

Tot Ion: 43 Resp: 17871

Ion Ratio Lower Upper

43 100

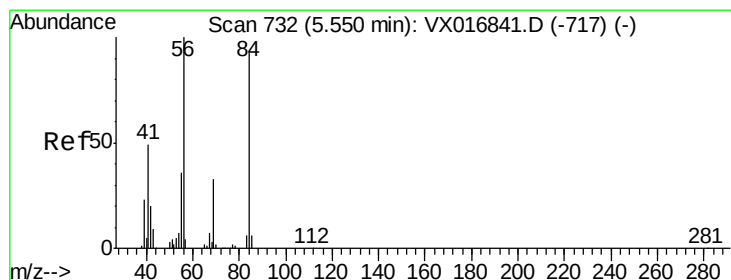
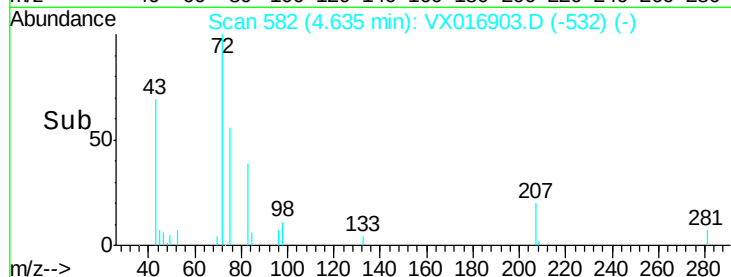
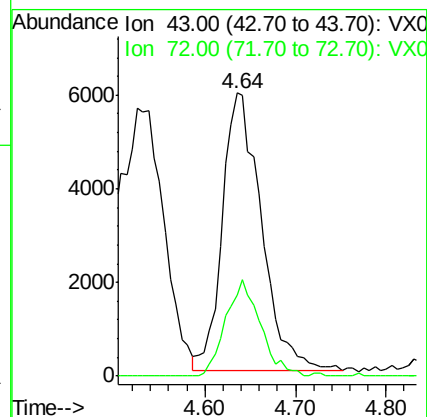
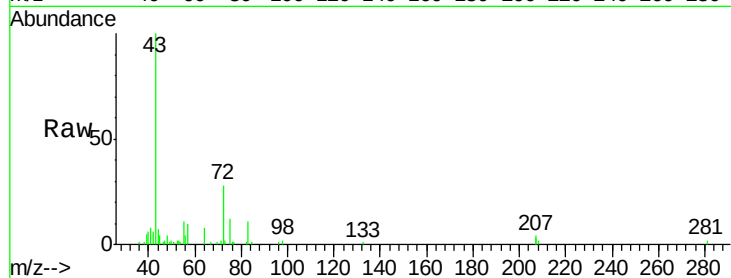
72 29.0 23.5 35.3

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#31

Cyclohexane

Concen: 43.780 ug/l m

RT: 5.57 min Scan# 736

Delta R.T. 0.02 min

Lab File: VX016903.D

Acq: 20 Jun 2020 03:14

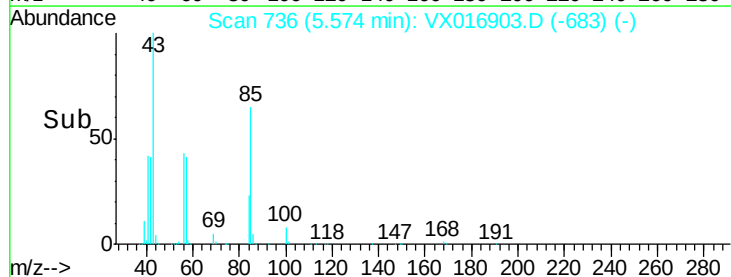
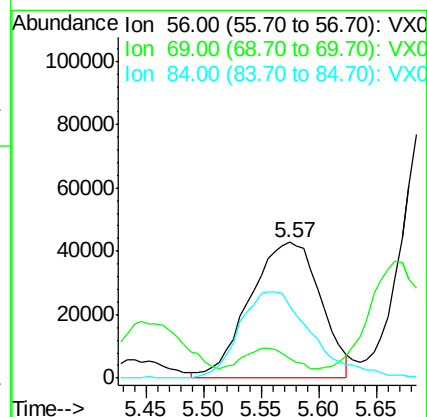
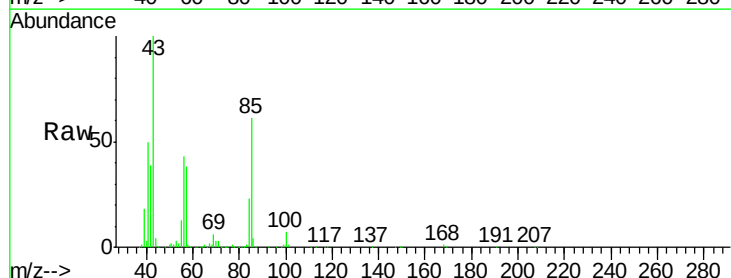
Tgt Ion: 56 Resp: 182218

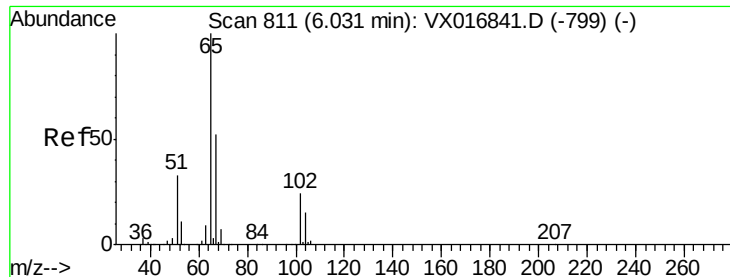
Ion Ratio Lower Upper

56 100

69 14.7 26.1 39.1#

84 52.9 73.0 109.6#





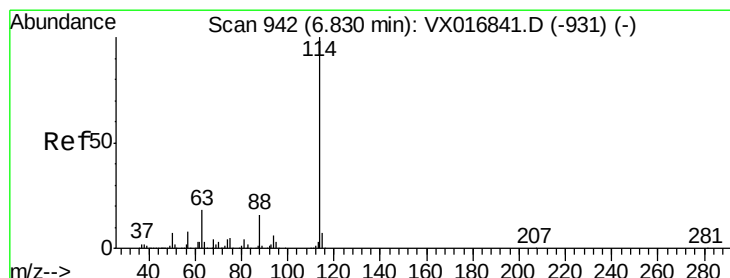
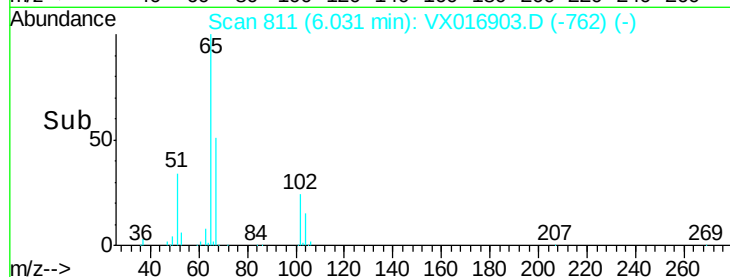
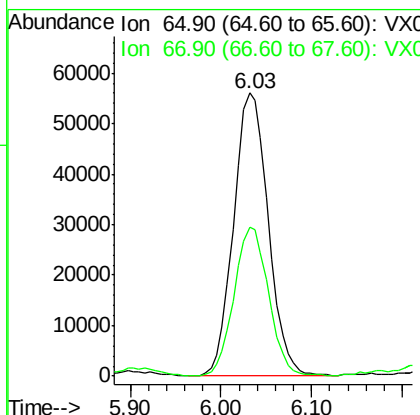
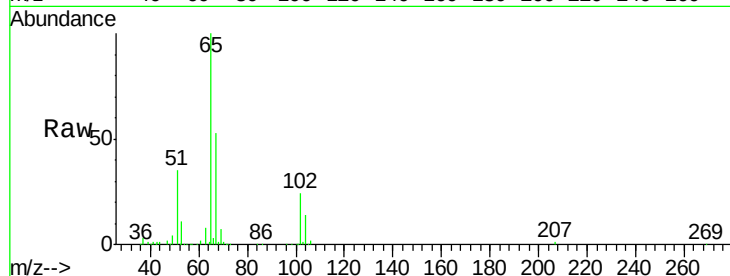
#33
 1,2-Dichloroethane-d4
 Concen: 44.045 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX016903.D
 Acq: 20 Jun 2020 03:14

Instrument :
 MSVOA_X
 ClientSampled :
 TW-1

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	102.6

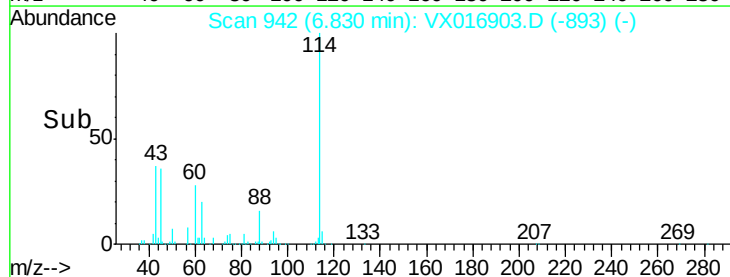
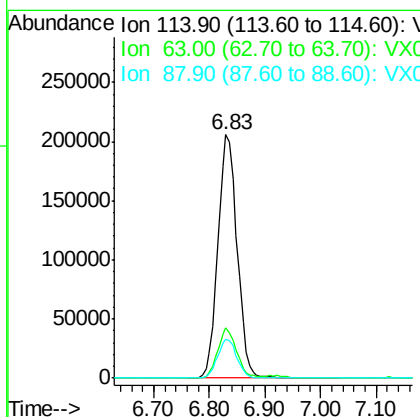
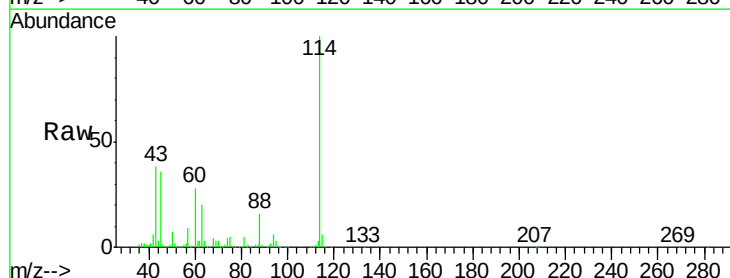
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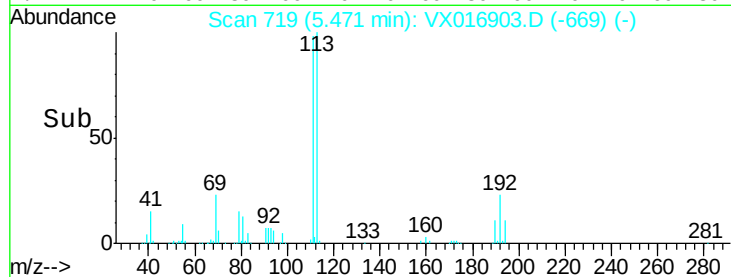
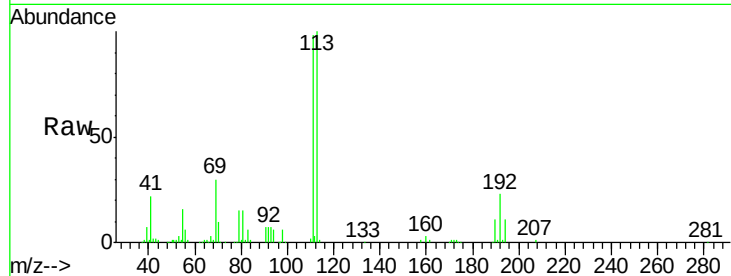
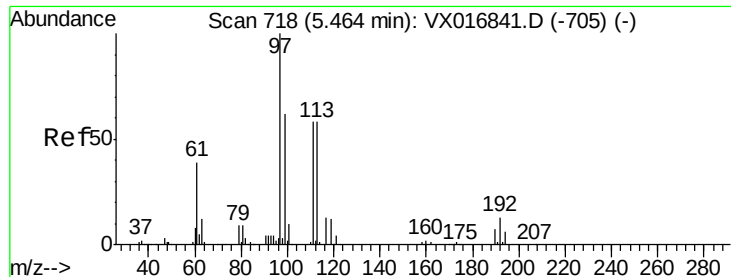
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX016903.D
 Acq: 20 Jun 2020 03:14

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	37.0
88	15.9	0.0	32.0





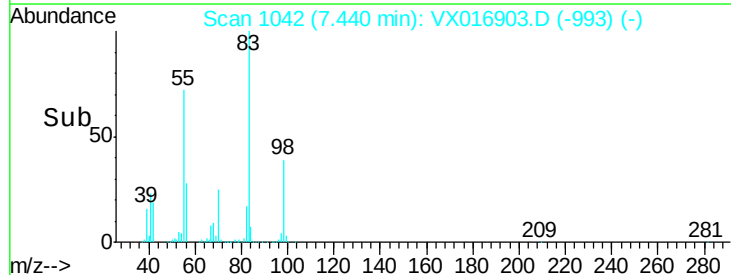
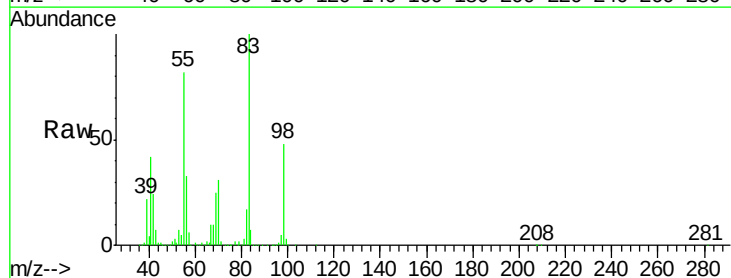
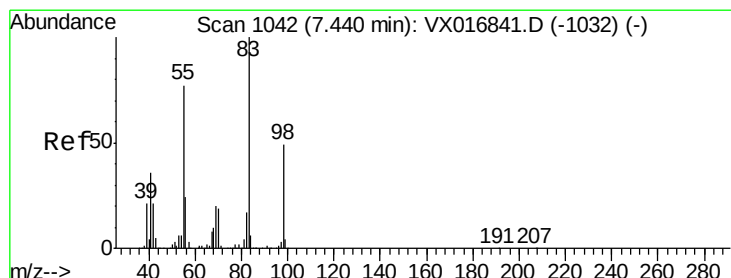
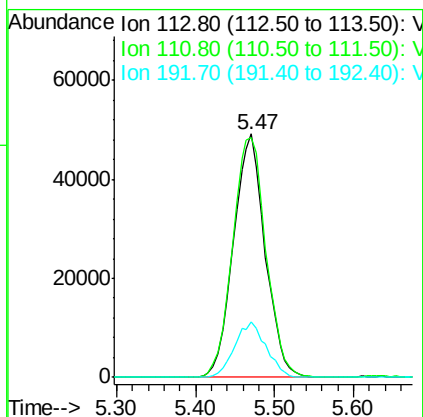
#35
Dibromofluoromethane
Concen: 43.552 ug/l
RT: 5.47 min Scan# 719
Delta R.T. 0.01 min
Lab File: VX016903.D
Acq: 20 Jun 2020 03:14

Tot Ion	Ratio	Resp	Lower	Upper
113	100	137107		
111	104.0	81.0	121.4	
192	22.8	18.5	27.7	

Instrument :
MSVOA_X
ClientSampleId :
TW-1

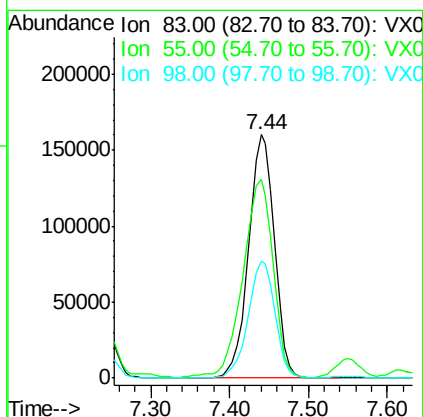
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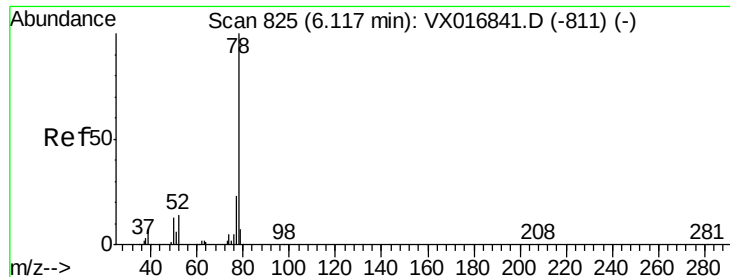
MMDadoda
6/22/2020 12:22:39 PM



#39
Methylcyclohexane
Concen: 68.843 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX016903.D
Acq: 20 Jun 2020 03:14

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	363729		
55	81.0	61.7	92.5	
98	48.1	39.0	58.6	





#40

Benzene

Concen: 0.418 ug/l

RT: 6.12 min Scan# 825

Delta R.T. 0.00 min

Lab File: VX016903.D

Acq: 20 Jun 2020 03:14

Instrument :

MSVOA_X

ClientSampleId :

TW-1

Tot Ion: 78 Resp: 5701

Ion Ratio Lower Upper

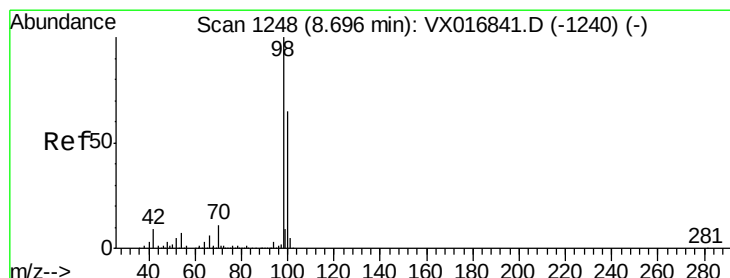
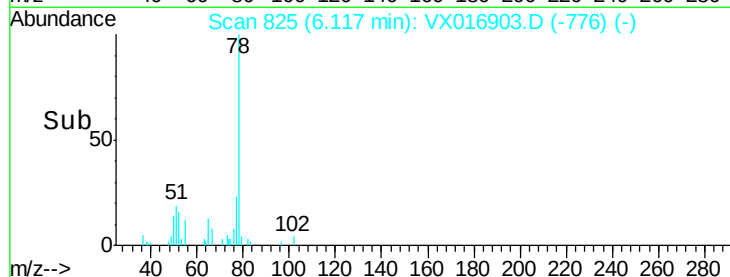
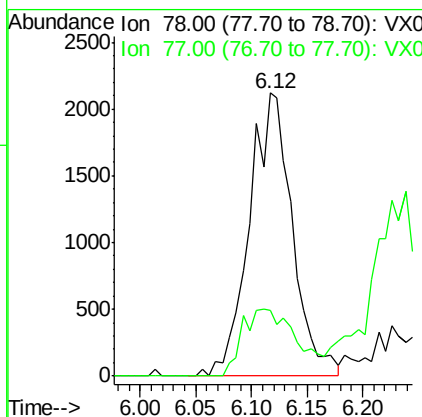
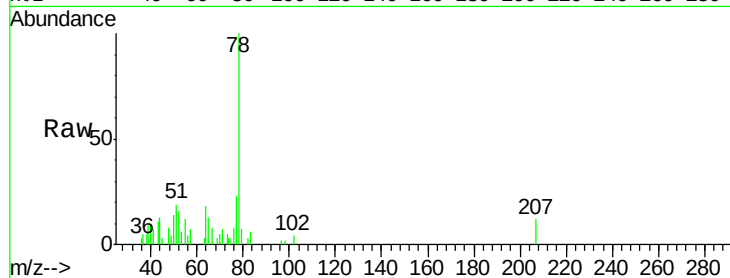
78 100

77 23.4 18.6 27.8

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#50

Toluene-d8

Concen: 44.515 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016903.D

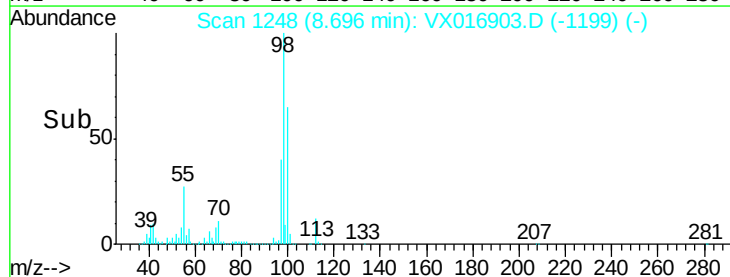
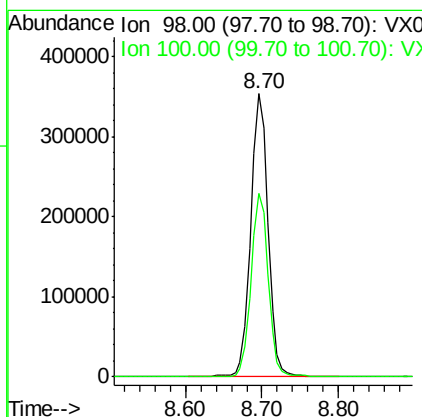
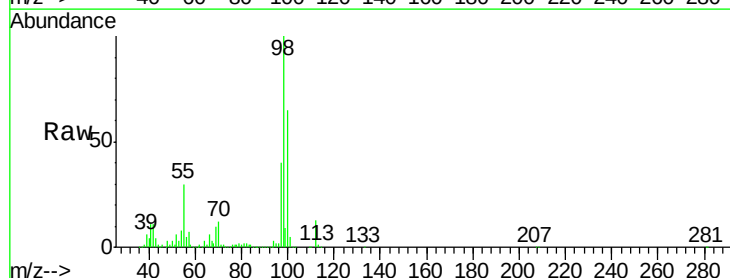
Acq: 20 Jun 2020 03:14

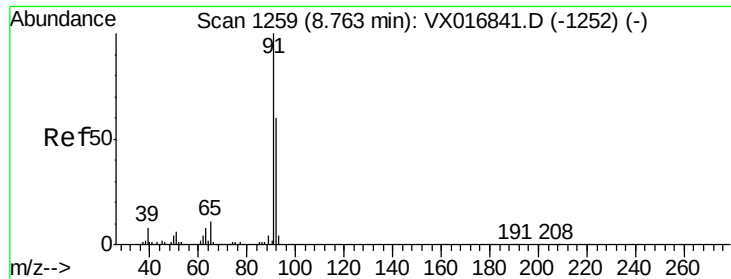
Tgt Ion: 98 Resp: 560675

Ion Ratio Lower Upper

98 100

100 63.9 54.0 81.0





#52

Toluene

Concen: 1.640 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX016903.D

Acq: 20 Jun 2020 03:14

Instrument :

MSVOA_X

ClientSampleId :

TW-1

Tot Ion: 92 Resp: 14832

Ion Ratio Lower Upper

92 100

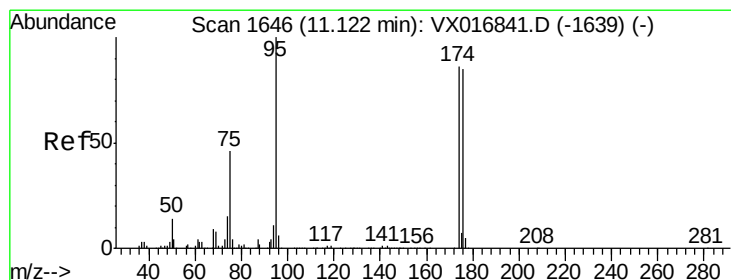
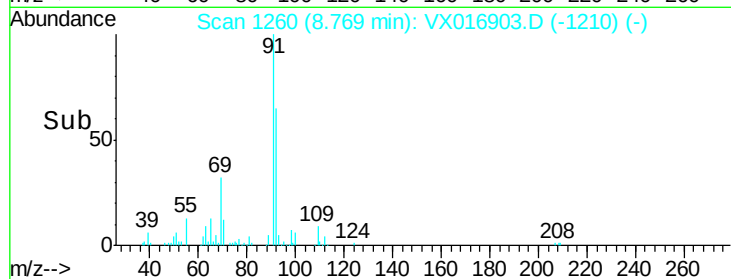
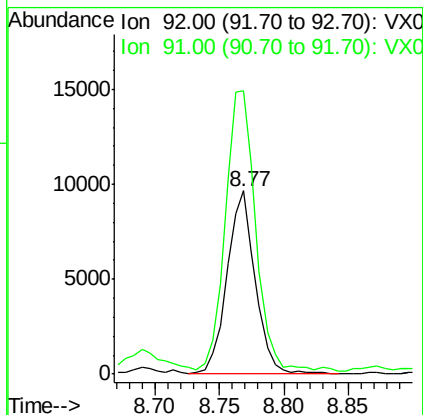
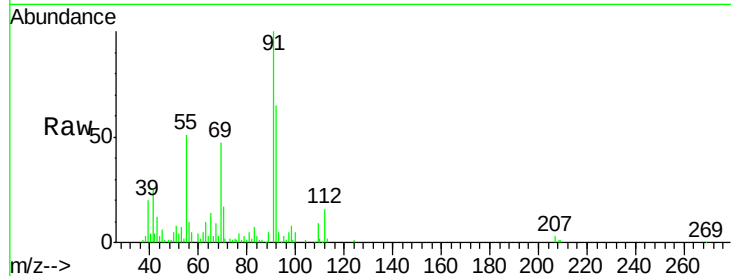
91 165.0 134.2 201.2

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 47.980 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016903.D

Acq: 20 Jun 2020 03:14

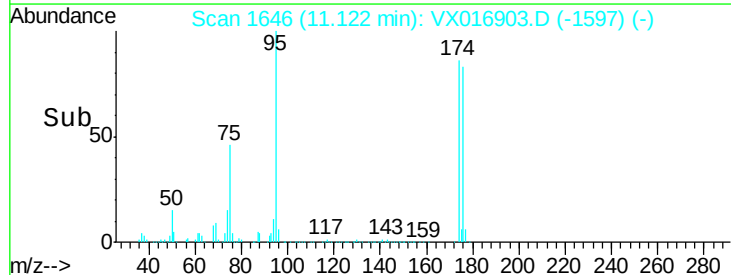
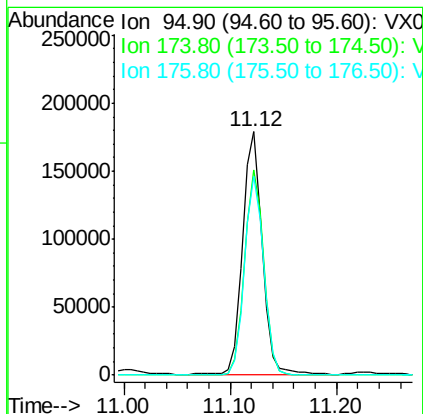
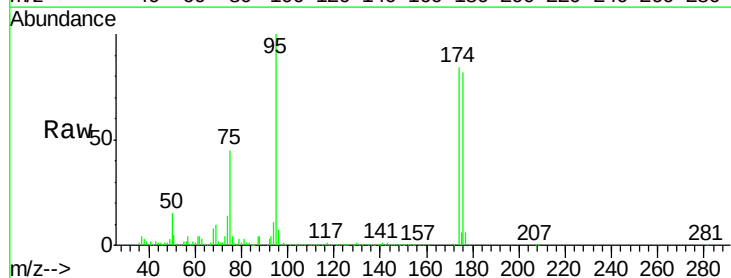
Tgt Ion: 95 Resp: 231538

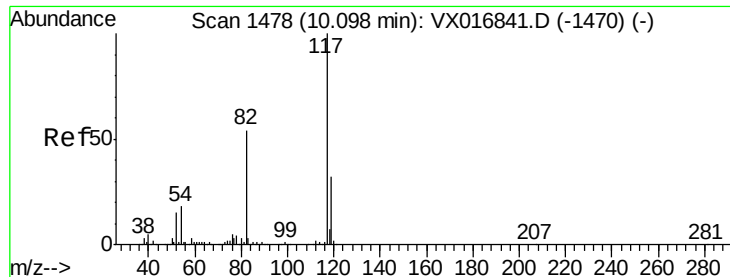
Ion Ratio Lower Upper

95 100

174 82.3 0.0 174.2

176 80.2 0.0 170.0





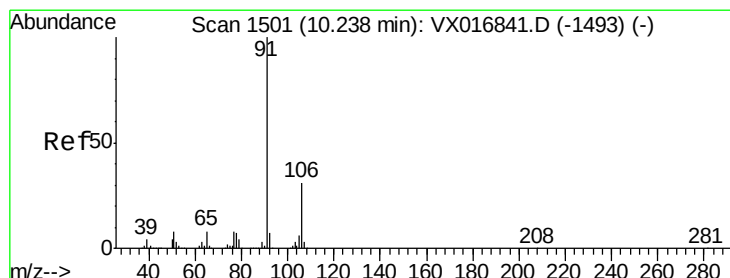
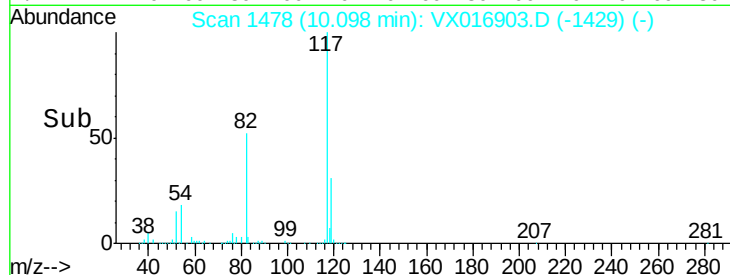
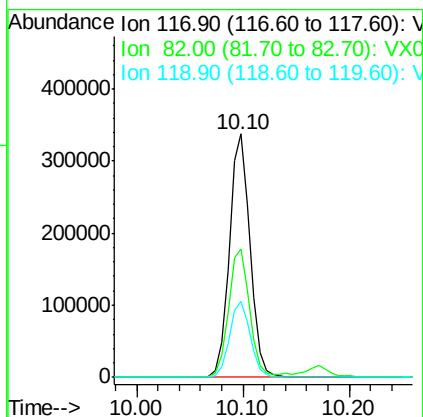
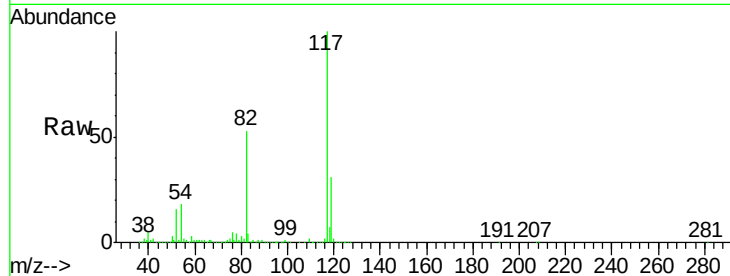
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016903.D
Acq: 20 Jun 2020 03:14

Instrument :
MSVOA_X
ClientSampled :
TW-1

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	43.4	65.0
119	31.1	25.7	38.5

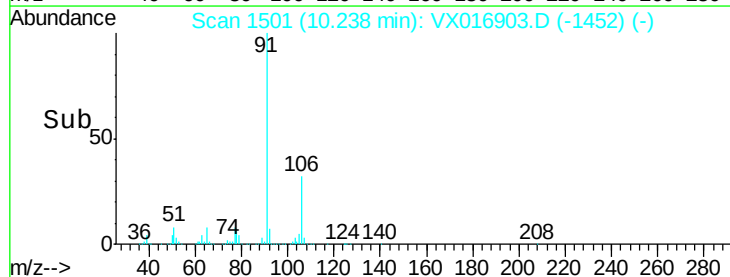
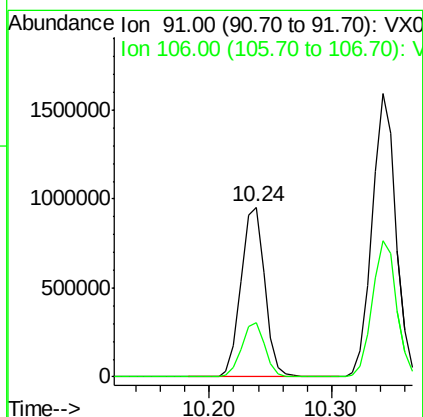
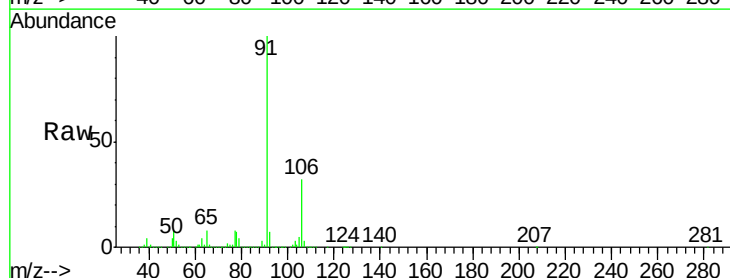
Manual Integrations
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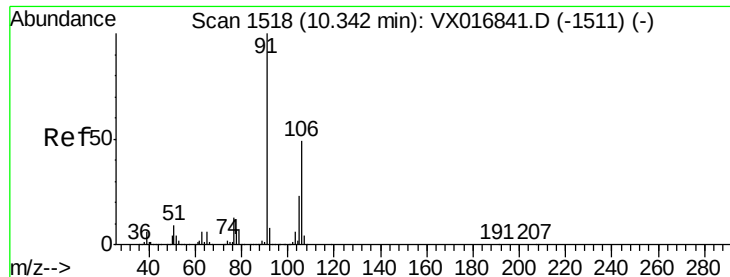
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#67
Ethyl Benzene
Concen: 82.066 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.00 min
Lab File: VX016903.D
Acq: 20 Jun 2020 03:14

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.0	25.1	37.7





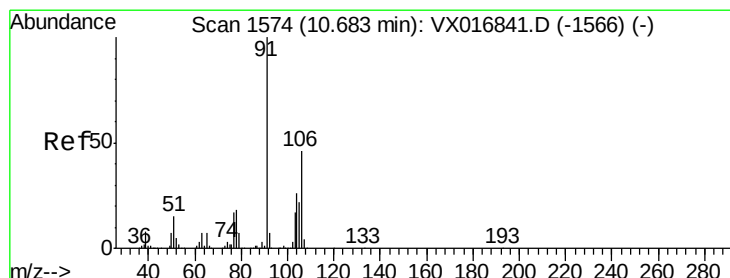
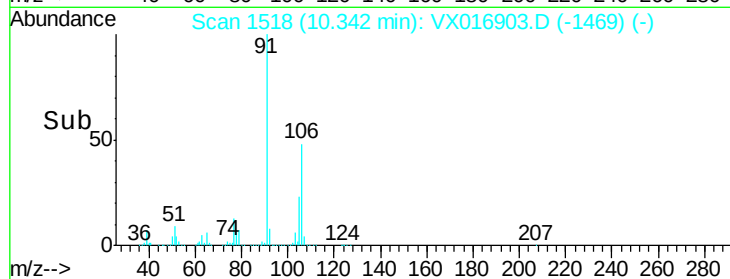
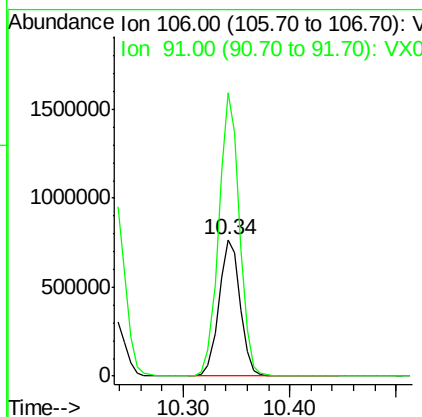
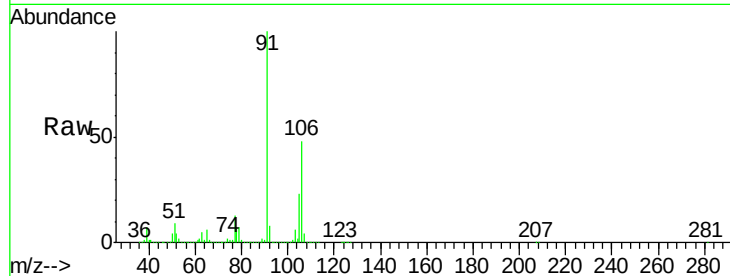
#68
m/p-Xylenes
Concen: 174.084 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX016903.D
Acq: 20 Jun 2020 03:14

Instrument :
MSVOA_X
ClientSampled :
TW-1

Tot Ion:106 Resp: 1056514
Ion Ratio Lower Upper
106 100
91 202.9 161.5 242.3

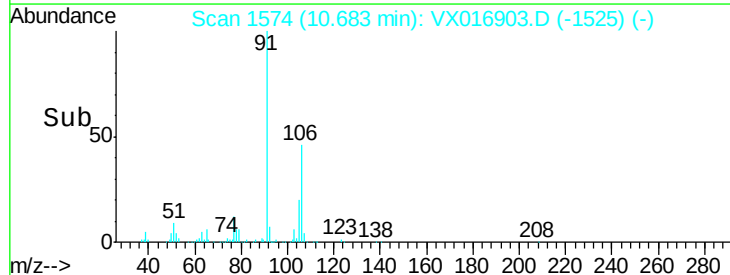
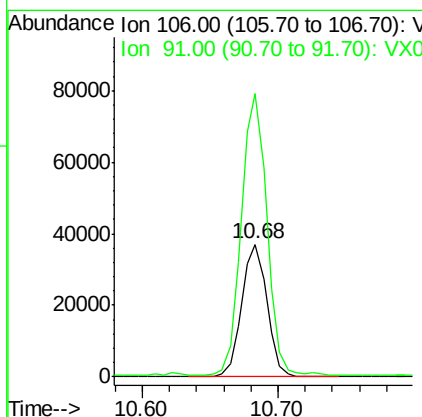
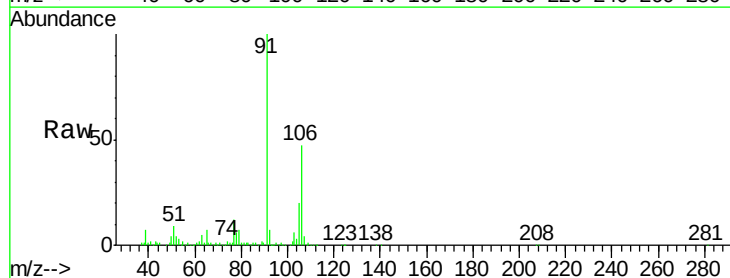
Manual Integrations
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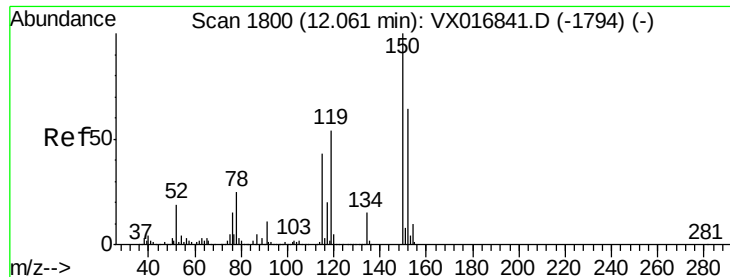
MMDadoda
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#69
o-Xylene
Concen: 8.622 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX016903.D
Acq: 20 Jun 2020 03:14

Tgt Ion:106 Resp: 48383
Ion Ratio Lower Upper
106 100
91 212.3 107.9 323.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX016903.D

Acq: 20 Jun 2020 03:14

Instrument :

MSVOA_X

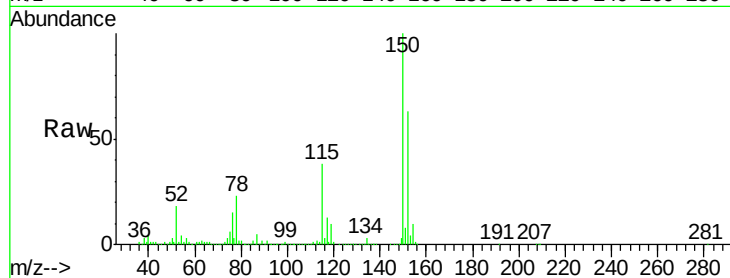
ClientSampled :

TW-1

Tot Ion	Ratio	Resp	Lower	Upper
152	100	266052		
115	62.3	40.9	122.8	
150	156.9	0.0	344.2	

Manual Integrations
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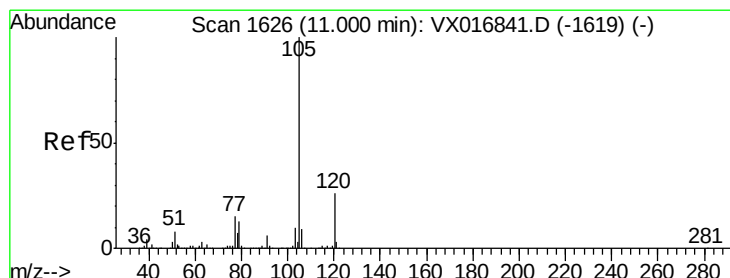
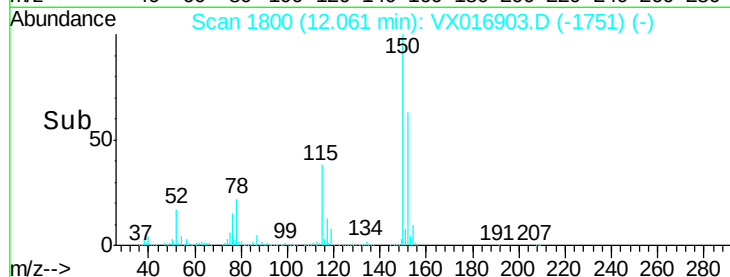
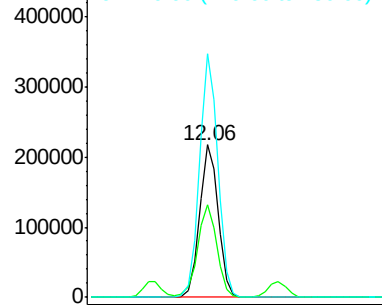


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 74.185 ug/l

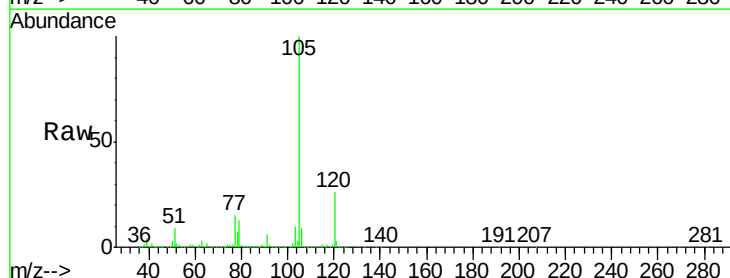
RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX016903.D

Acq: 20 Jun 2020 03:14

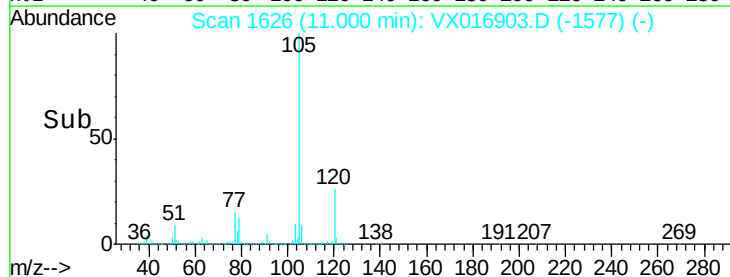
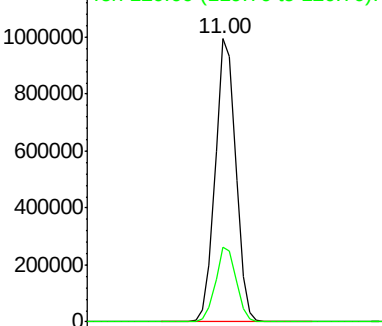
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1270785		
120	26.5	13.2	39.6	

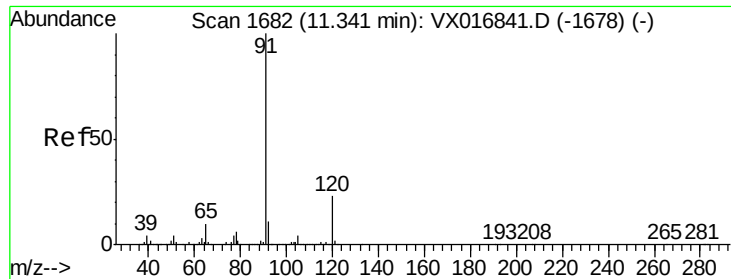


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 80.446 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX016903.D

Acq: 20 Jun 2020 03:14

Instrument :

MSVOA_X

ClientSampled :

TW-1

Tot Ion: 91 Resp: 1537918

Ion Ratio Lower Upper

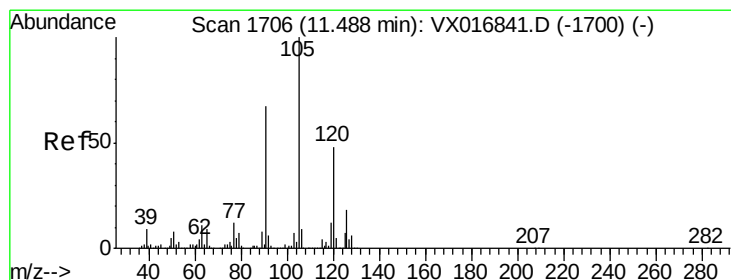
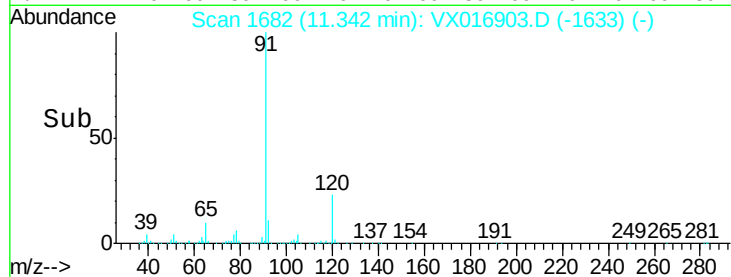
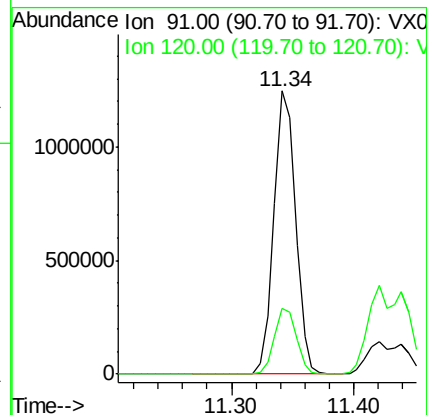
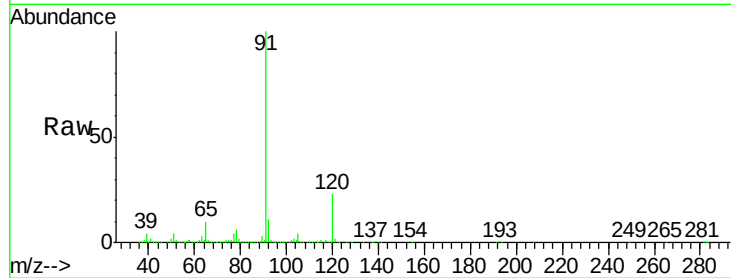
91 100

120 23.6 11.9 35.5

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#80

1,3,5-Trimethylbenzene

Concen: 103.084 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX016903.D

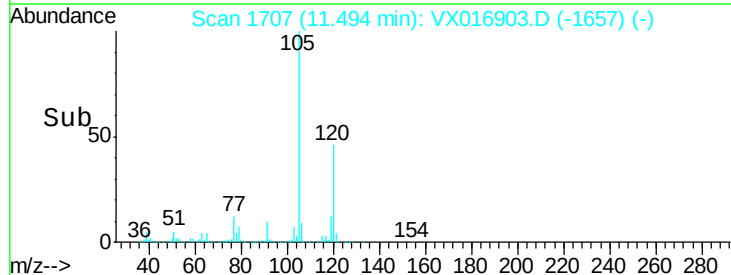
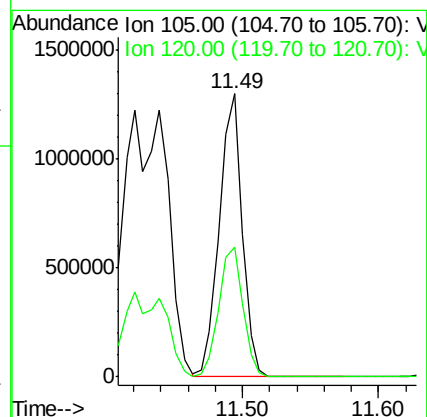
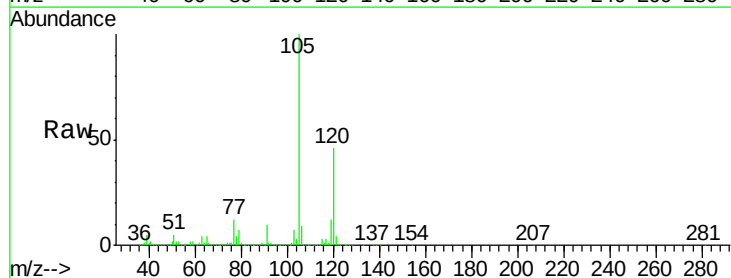
Acq: 20 Jun 2020 03:14

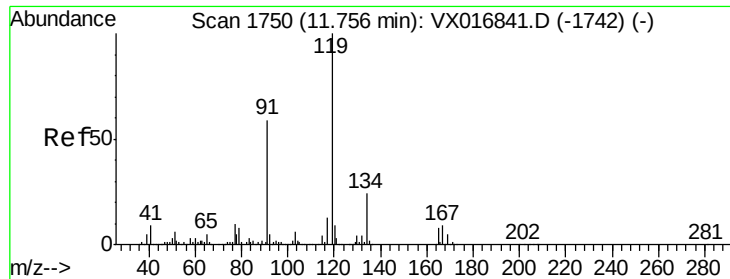
Tgt Ion: 105 Resp: 1523549

Ion Ratio Lower Upper

105 100

120 48.3 24.6 74.0





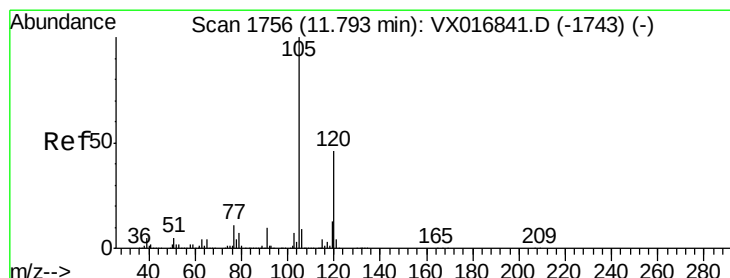
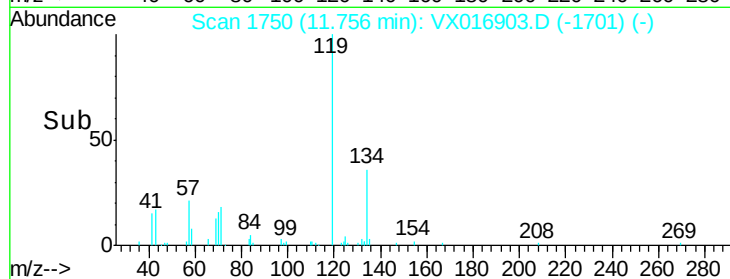
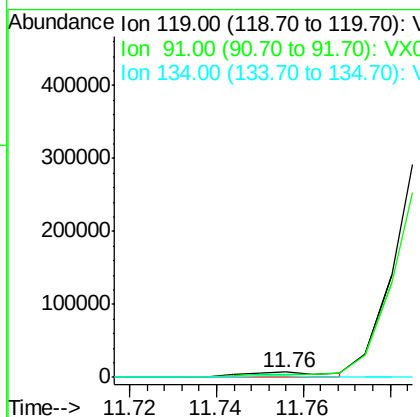
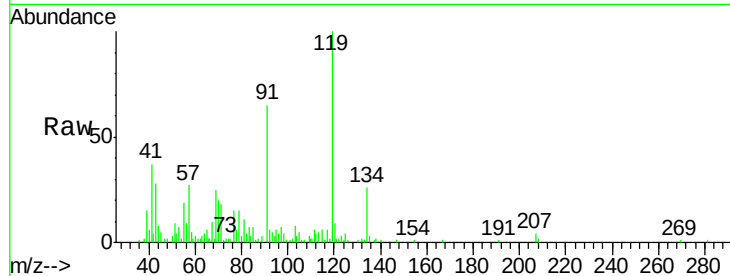
#83
tert-Butylbenzene
Concen: 0.713 ug/l m
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX016903.D
Acq: 20 Jun 2020 03:14

Instrument :
MSVOA_X
ClientSampled :
TW-1

Tot Ion:119 Resp: 10424
Ion Ratio Lower Upper
119 100
91 4177.6 28.5 85.5
134 0.0 11.7 35.1#

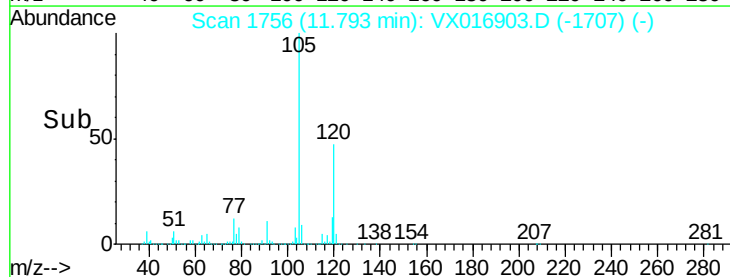
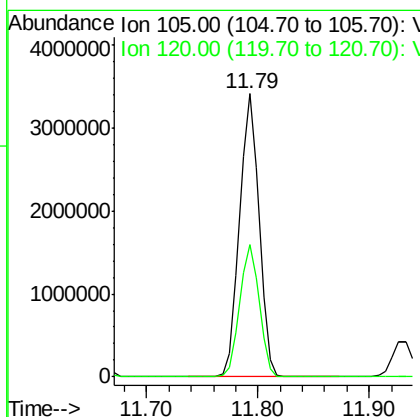
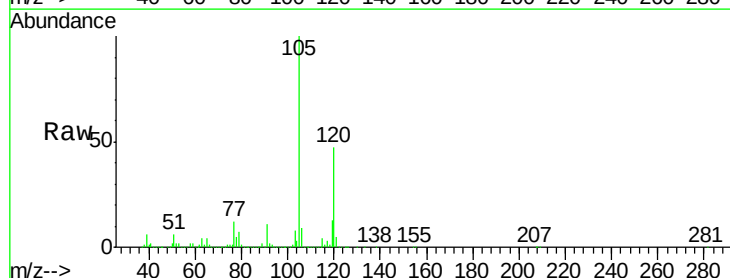
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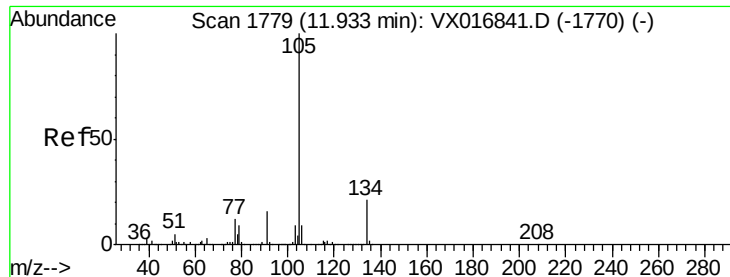
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#84
1,2,4-Trimethylbenzene
Concen: 272.126 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX016903.D
Acq: 20 Jun 2020 03:14

Tgt Ion:105 Resp: 4143017
Ion Ratio Lower Upper
105 100
120 46.7 22.3 66.9





#85

sec-Butylbenzene

Concen: 31.664 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX016903.D

Acq: 20 Jun 2020 03:14

Instrument :

MSVOA_X

ClientSampleId :

TW-1

Tot Ion:105 Resp: 537770

Ion Ratio Lower Upper

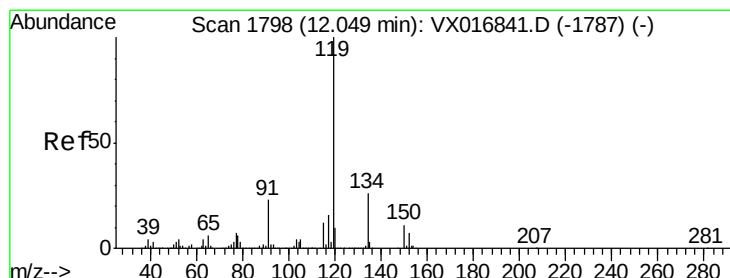
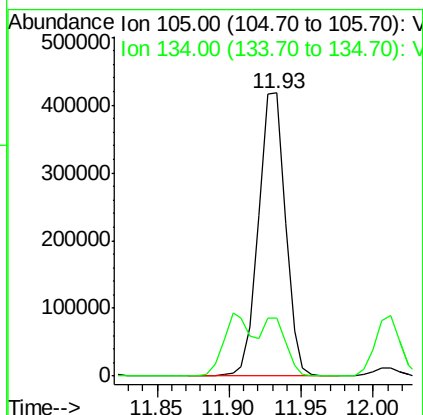
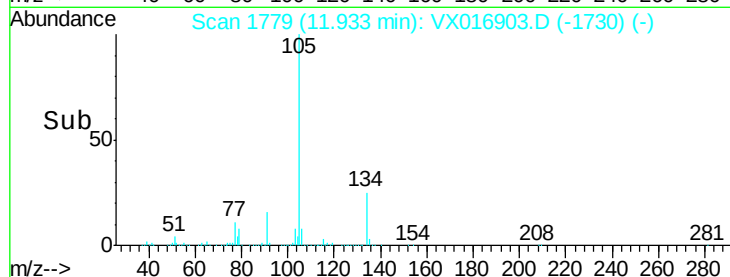
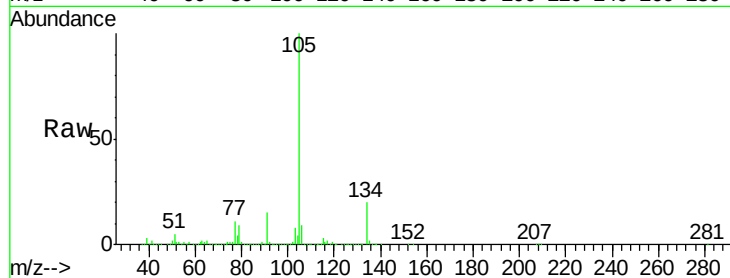
105 100

134 16.4 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 9.632 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX016903.D

Acq: 20 Jun 2020 03:14

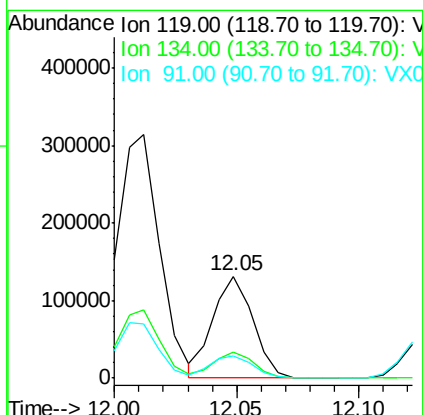
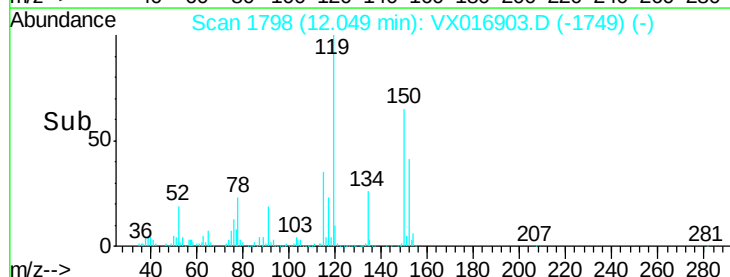
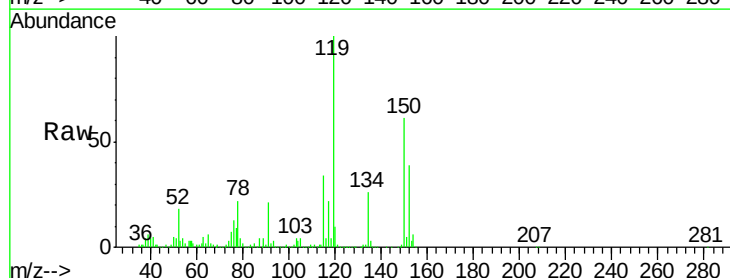
Tgt Ion:119 Resp: 149876

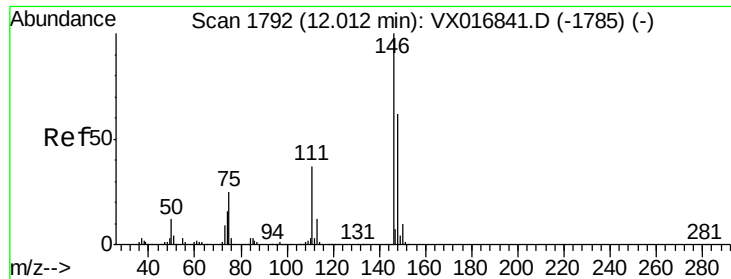
Ion Ratio Lower Upper

119 100

134 26.0 12.9 38.7

91 22.7 11.6 34.8





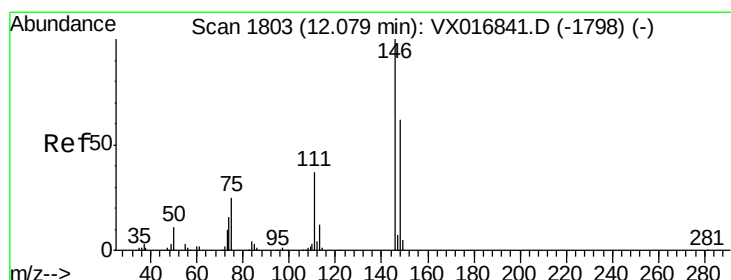
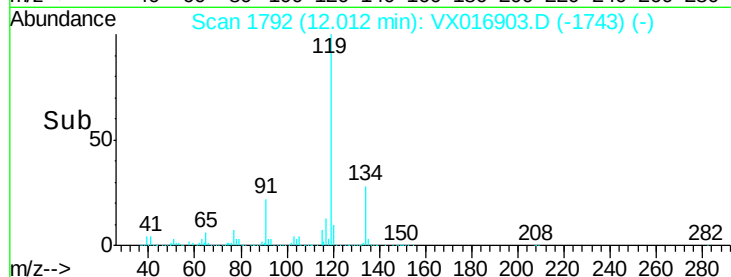
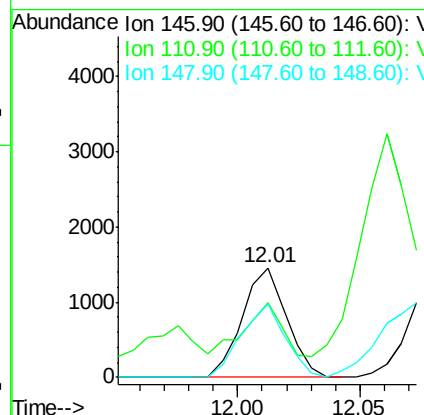
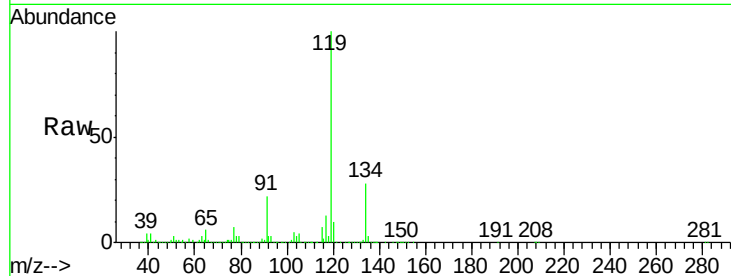
#87
 1,3-Dichlorobenzene
 Concen: 0.215 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX016903.D
 Acq: 20 Jun 2020 03:14

Instrument :
 MSVOA_X
 ClientSampled :
 TW-1

Tot Ion	Ratio	Lower	Upper
146	100		
111	60.6	19.4	58.2#
148	67.0	31.8	95.3

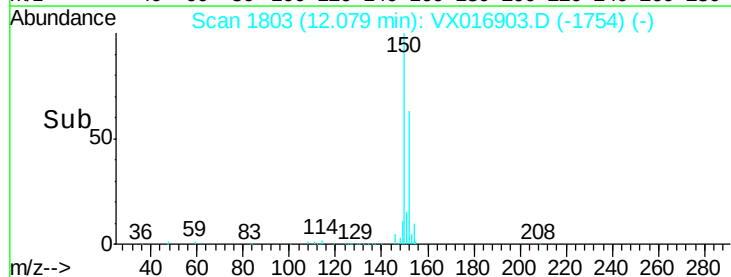
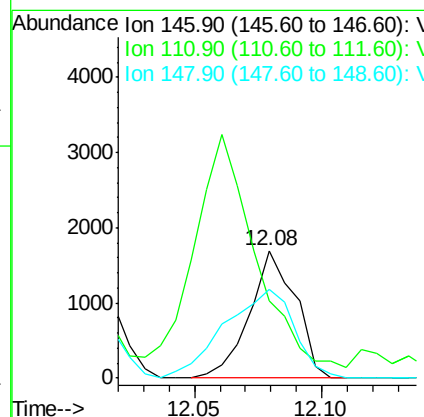
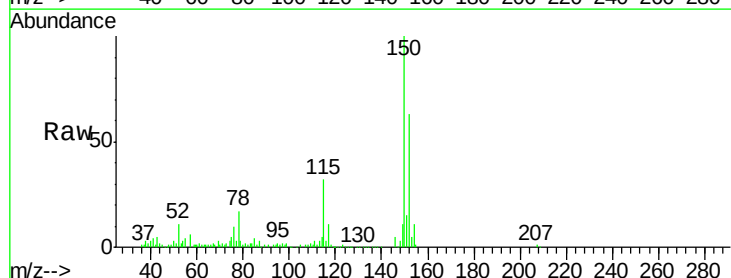
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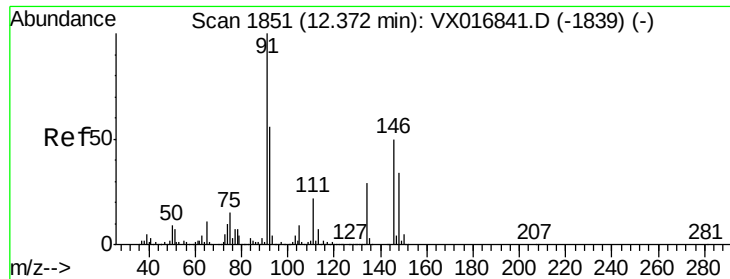
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 0.247 ug/l m
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX016903.D
 Acq: 20 Jun 2020 03:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.0	57.0
148	57.7	31.6	95.0





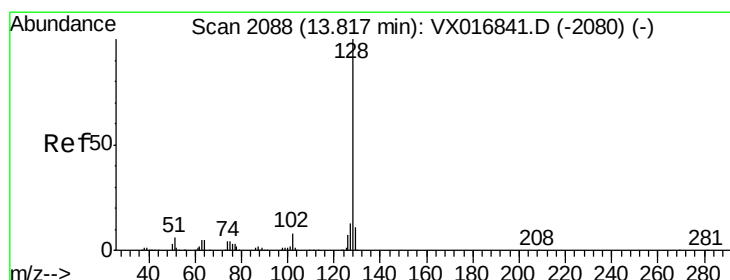
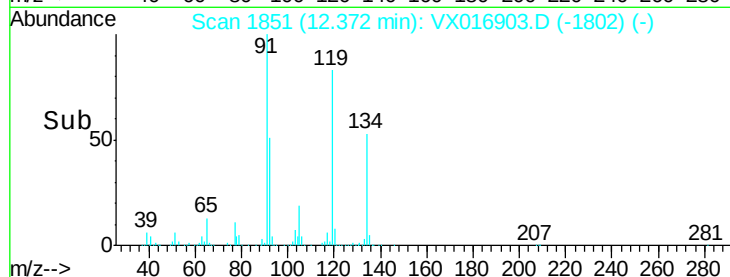
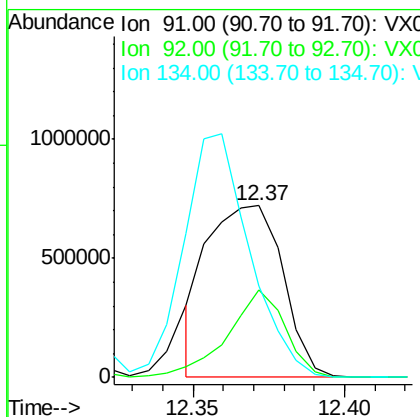
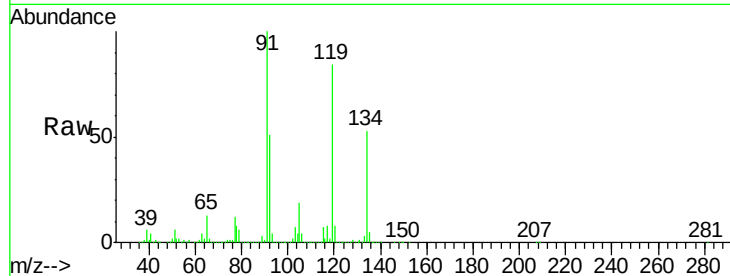
#89
n-Butylbenzene
Concen: 94.171 ug/l m
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX016903.D
Acq: 20 Jun 2020 03:14

Instrument :
MSVOA_X
ClientSampled :
TW-1

Tot Ion	Ratio	Lower	Upper
91	100		
92	38.5	27.4	82.2
134	123.7	13.9	41.6#

Manual Integrations
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#95
Naphthalene
Concen: 17.898 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX016903.D
Acq: 20 Jun 2020 03:14

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	12.4	8.6	13.0

