

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VOX092920\
 Data File : VX018684.D
 Acq On : 30 Sep 2020 02:45
 Operator : JC/SP
 Sample : L4135-17DL 200X
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 BG495DL

Manual Integrations
 APPROVED

MMDadoda
 10/1/2020 10:07:05 AM

Quant Time: Sep 30 09:12:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Sep 30 07:04:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	230988	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	222694	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	101032	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	48627	4.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.40%
7) Chloroethane-d5	1.70	69	44918	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.20%
11) 1,1-Dichloroethene-d2	2.34	63	92461	3.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.20%
20) 2-Butanone-d5	4.56	46	159181	51.65	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.30%
24) Chloroform-d	5.14	84	132990	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	6.03	65	76377	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
32) Benzene-d6	6.05	84	232094	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
36) 1,2-Dichloropropane-d6	7.37	67	70849	4.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.40%
41) Toluene-d8	8.70	98	207382	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.00%
45) trans-1,3-Dichloropropene-	8.99	79	30149	4.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.60%
48) 2-Hexanone-d5	9.43	63	127193	50.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.96%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	57791	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.20%
65) 1,2-Dichlorobenzene-d4	12.36	152	80778	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

					Ovalue
5) Vinyl chloride	1.39	62	4170	0.333 ug/L	85
8) Chloroethane	1.72	64	4079m	0.593 ug/L	
13) Acetone	2.46	43	4473	2.622 ug/L	83
16) Methylene chloride	2.84	84	4596	0.298 ug/L	88
19) 1,1-Dichloroethane	3.67	63	2787	0.138 ug/L	93
22) cis-1,2-Dichloroethene	4.56	96	29501	2.508 ug/L #	97
33) Benzene	6.11	78	555342	12.934 ug/L	100
42) Toluene	8.77	91	1090053	23.504 ug/L	100
53) Chlorobenzene	10.12	112	30346	0.991 ug/L	98
54) Ethylbenzene	10.24	91	125494	2.484 ug/L	100
55) m,p-xylene	10.34	106	93325	4.831 ug/L	94
56) o-xylene	10.68	106	23603	1.293 ug/L	79
58) Isopropylbenzene	11.01	105	14461	0.296 ug/L	95
64) 1,4-Dichlorobenzene	12.09	146	2760	0.124 ug/L	90
66) 1,2-Dichlorobenzene	12.38	146	3293	0.161 ug/L #	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

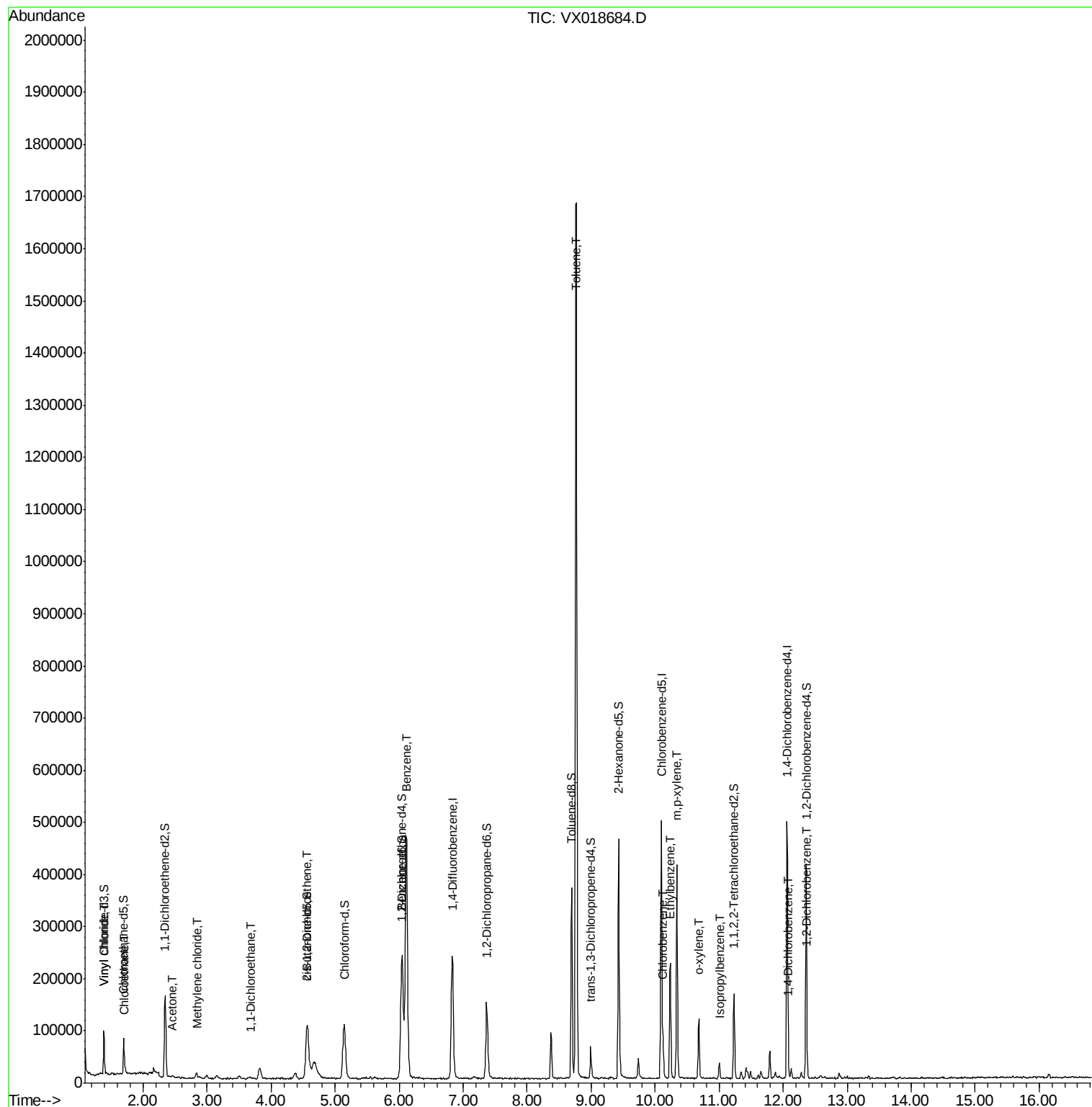
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092920\
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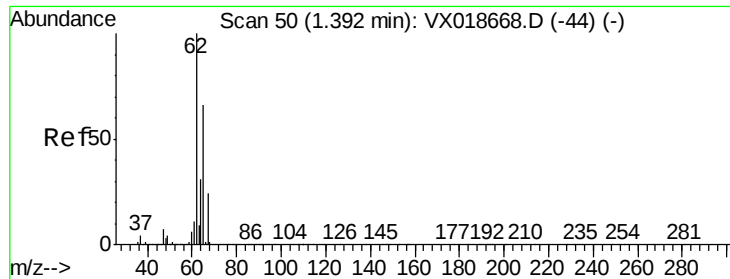
Instrument :
MSVOA_X
ClientSampleId :
BG495DL

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#5

Vinyl chloride

Concen: 0.333 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018684.D

Acq: 30 Sep 2020 02:45

Instrument :

MSVOA_X

ClientSampled :

BG495DL

Tot Ion: 62 Resp: 4170

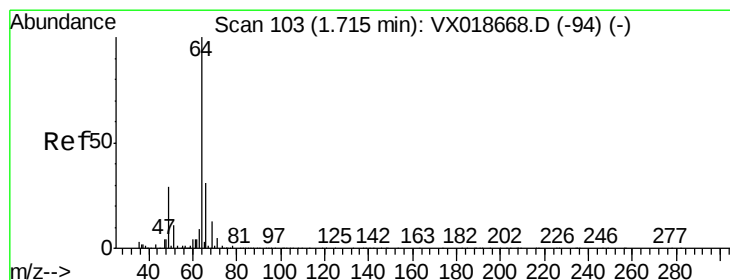
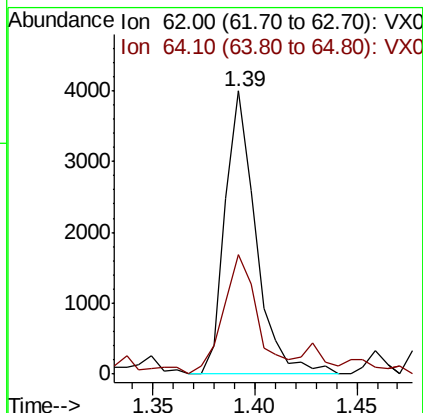
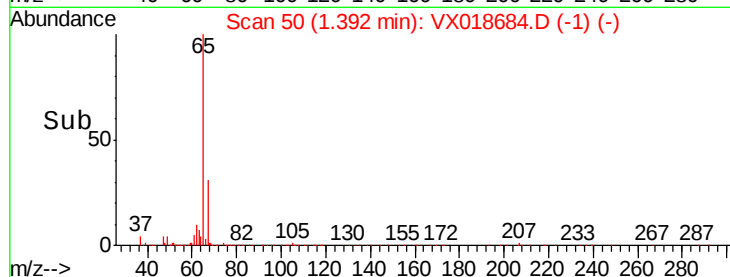
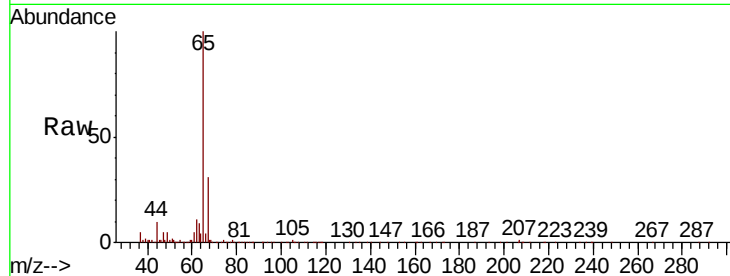
Ion Ratio Lower Upper

62 100

64 42.4 23.6 43.8

Manual Integrations
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#8

Chloroethane

Concen: 0.593 ug/L m

RT: 1.72 min Scan# 103

Delta R.T. 0.00 min

Lab File: VX018684.D

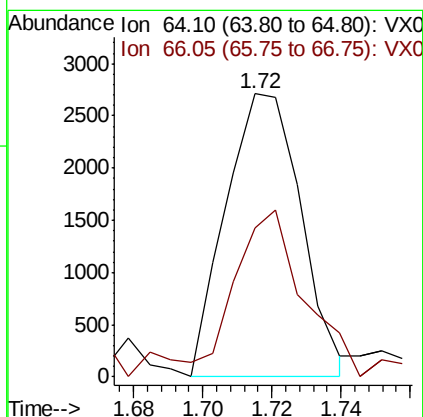
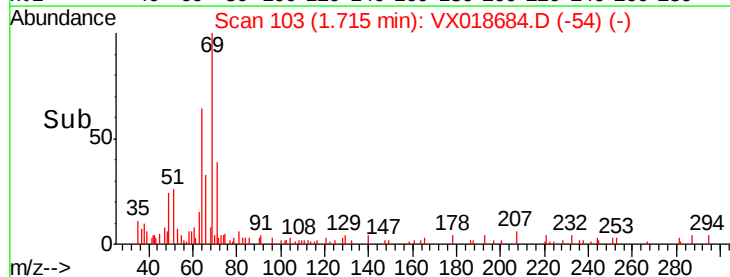
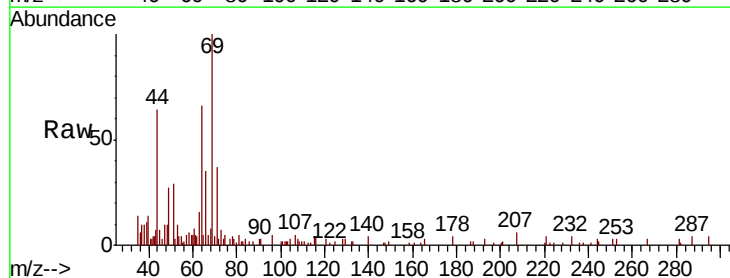
Acq: 30 Sep 2020 02:45

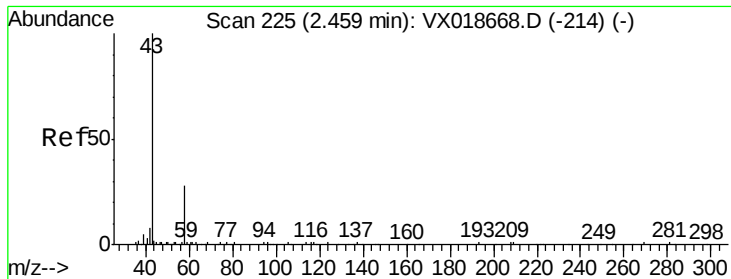
Tgt Ion: 64 Resp: 4079

Ion Ratio Lower Upper

64 100

66 52.9 22.3 41.3#





#13

Acetone

Concen: 2.622 ug/L

RT: 2.46 min Scan# 226

Delta R.T. 0.01 min

Lab File: VX018684.D

Acq: 30 Sep 2020 02:45

Instrument :

MSVOA_X

ClientSampleId :

BG495DL

Tot Ion: 43 Resp: 4473

Ion Ratio Lower Upper

43 100

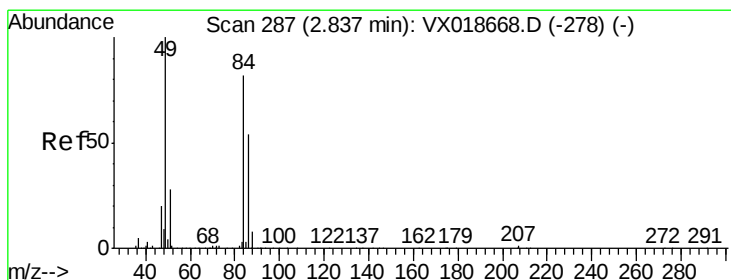
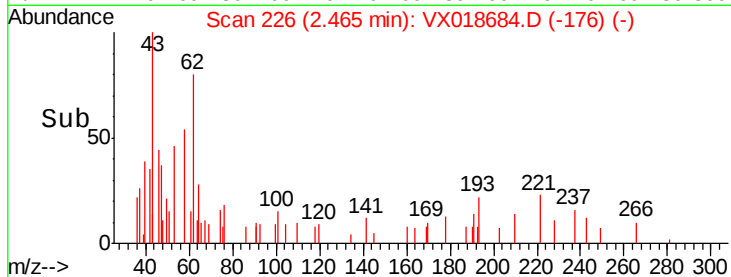
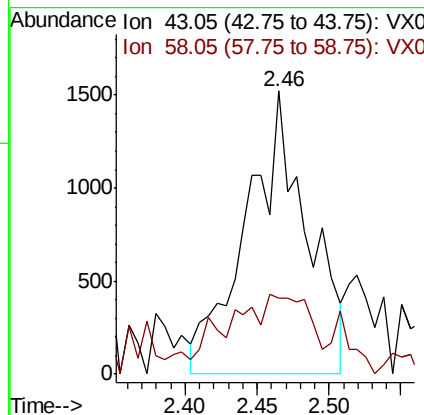
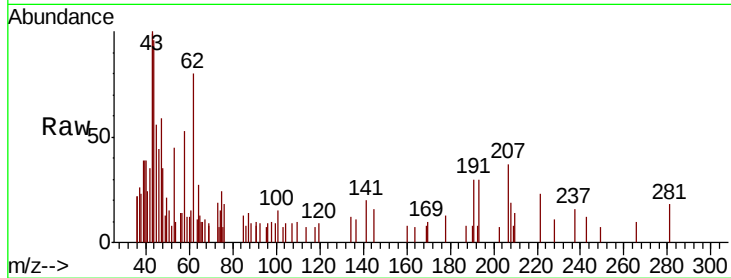
58 40.2 0.0 61.6

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#16

Methylene chloride

Concen: 0.298 ug/L

RT: 2.84 min Scan# 287

Delta R.T. 0.00 min

Lab File: VX018684.D

Acq: 30 Sep 2020 02:45

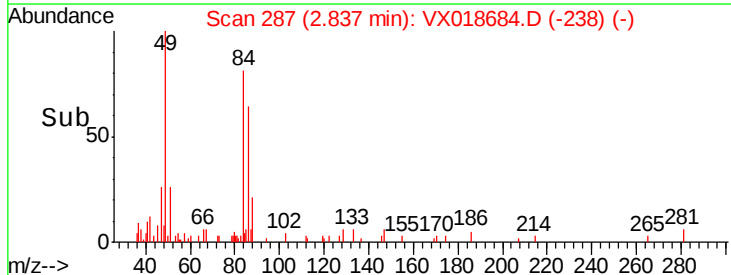
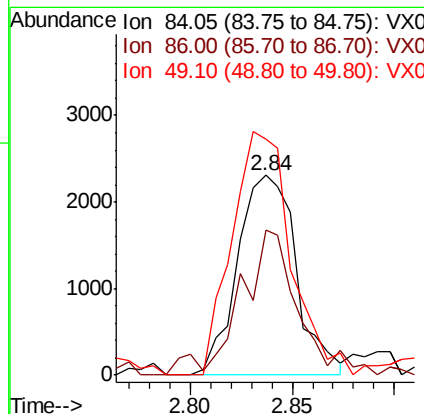
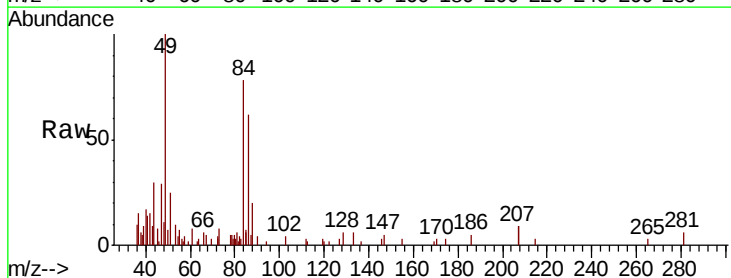
Tgt Ion: 84 Resp: 4596

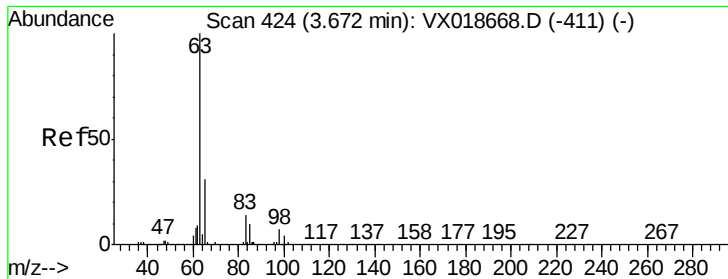
Ion Ratio Lower Upper

84 100

86 72.8 41.9 77.7

49 126.1 80.8 150.2





#19

1,1-Dichloroethane

Concen: 0.138 ug/L

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX018684.D

Acq: 30 Sep 2020 02:45

Instrument :

MSVOA_X

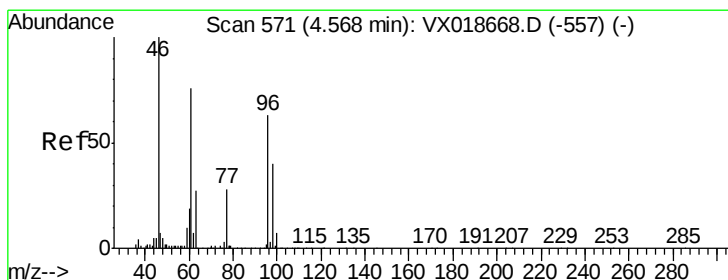
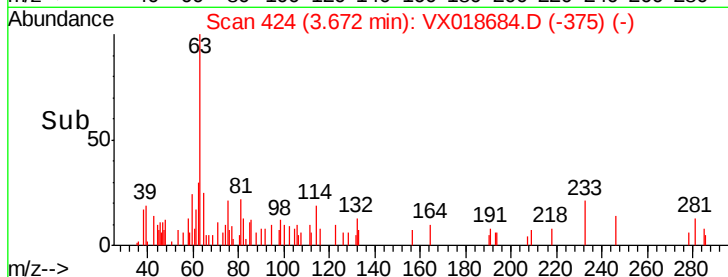
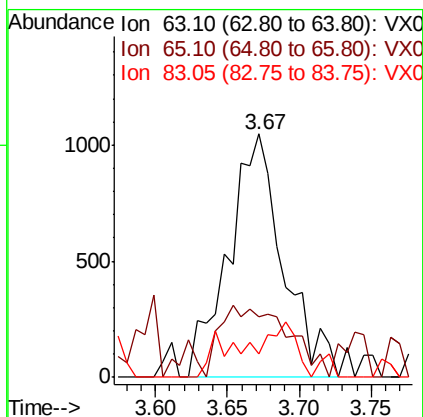
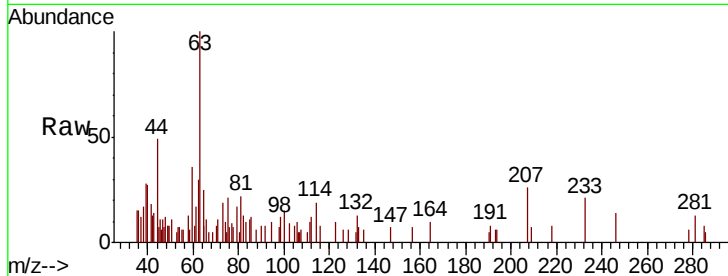
ClientSampled :

BG495DL

Tot Ion:	63	Resp:	2787
Ion Ratio	Lower	Upper	
63	100		
65	36.4	22.7	42.1
83	9.9	9.3	17.3

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#22

cis-1,2-Dichloroethene

Concen: 2.508 ug/L

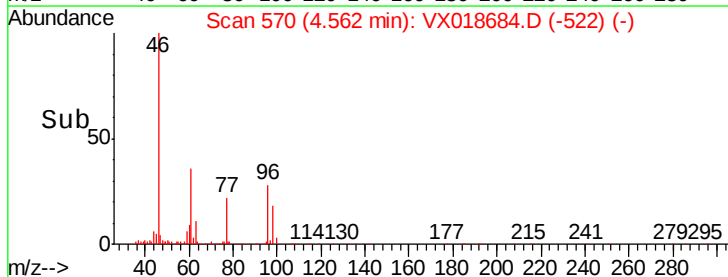
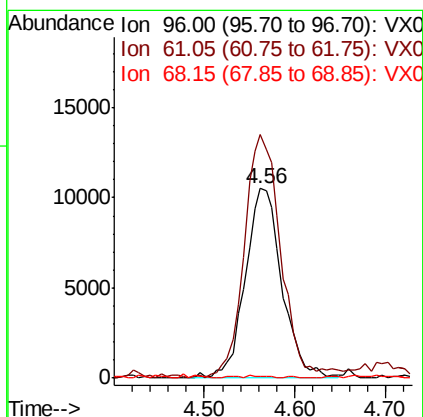
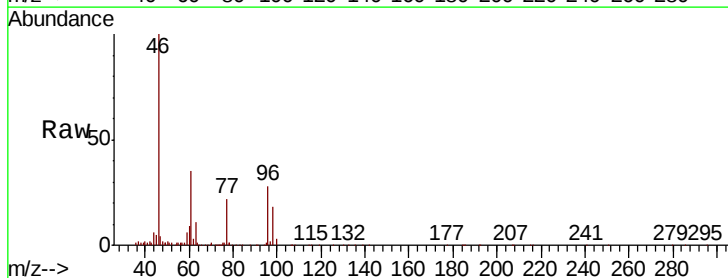
RT: 4.56 min Scan# 570

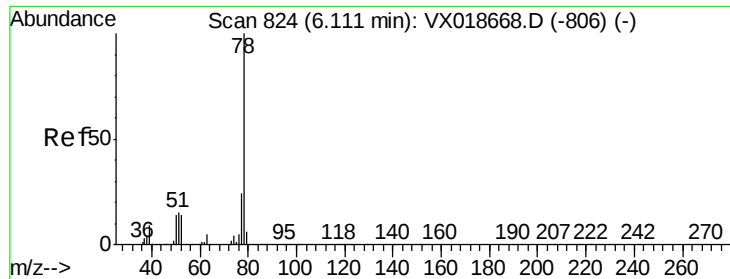
Delta R.T. -0.01 min

Lab File: VX018684.D

Acq: 30 Sep 2020 02:45

Tgt Ion:	96	Resp:	29501
Ion Ratio	Lower	Upper	
96	100		
61	128.3	87.7	162.9
68	0.8	0.3	0.7#





#33

Benzene

Concen: 12.934 ug/L

RT: 6.11 min Scan# 824

Delta R.T. 0.00 min

Lab File: VX018684.D

Acq: 30 Sep 2020 02:45

Instrument :

MSVOA_X

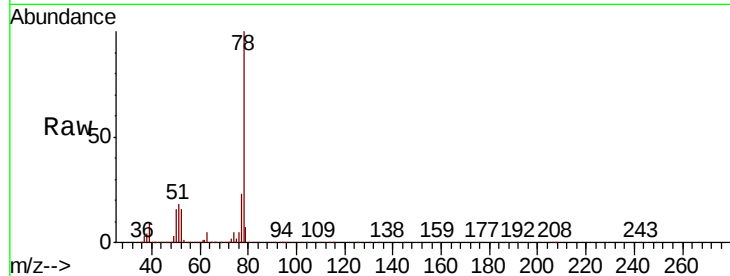
ClientSampleId :

BG495DL

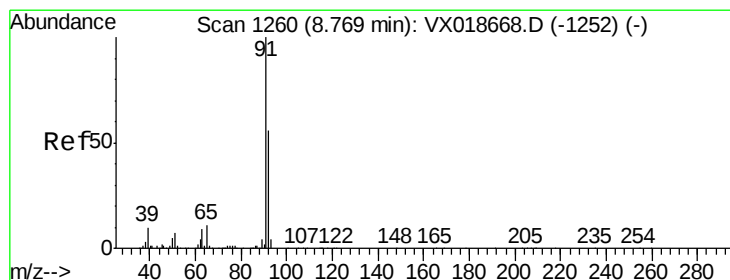
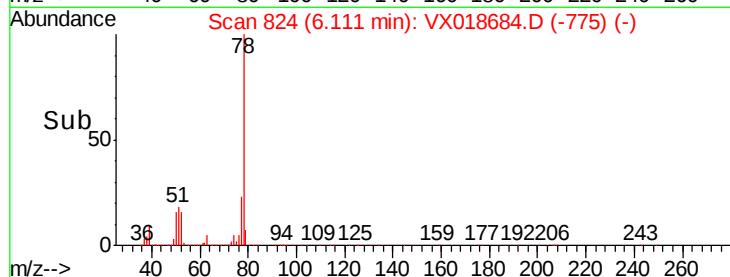
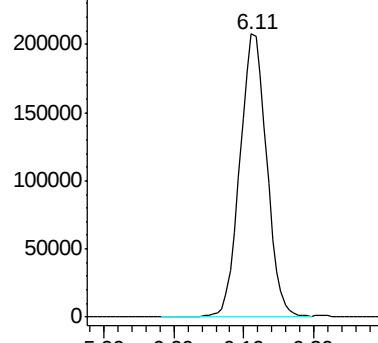
Tgt Ion: 78 Resp: 555342

Manual Integrations
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10/1/2020 10:07:05 AM



Abundance Ion 78.10 (77.80 to 78.80): VX0



#42

Toluene

Concen: 23.504 ug/L

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX018684.D

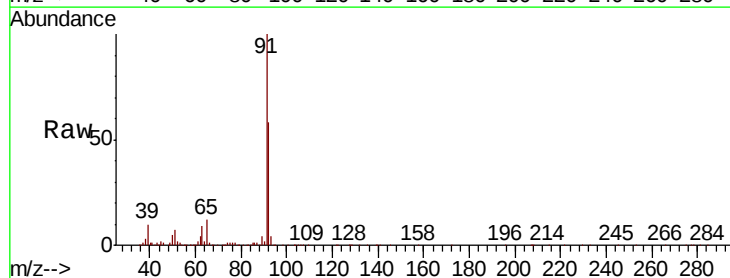
Acq: 30 Sep 2020 02:45

Tgt Ion: 91 Resp: 1090053

Ion Ratio Lower Upper

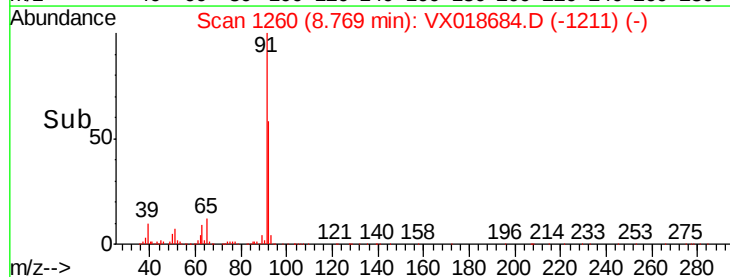
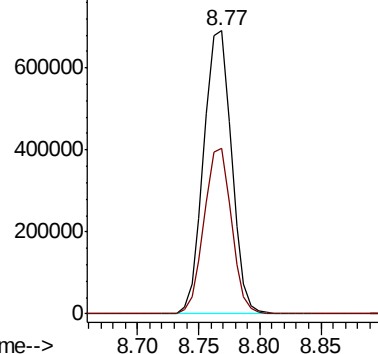
91 100

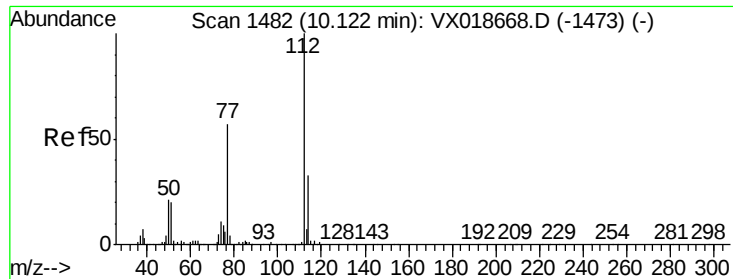
92 58.4 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 92.15 (91.85 to 92.85): VX0





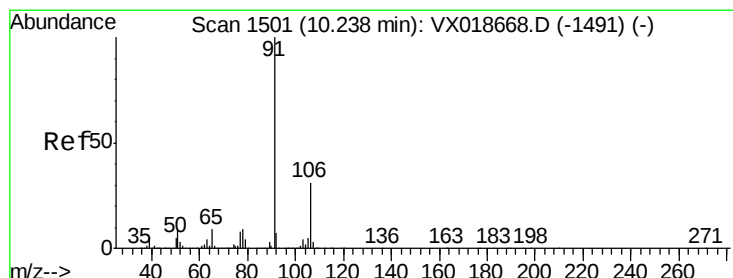
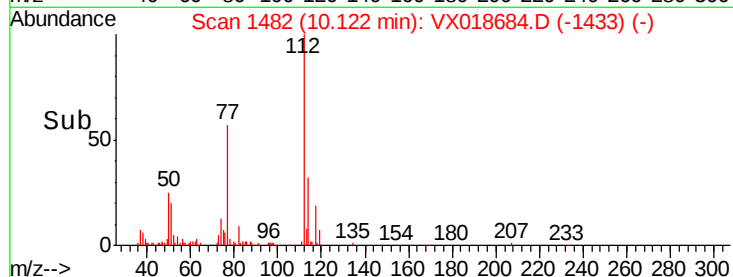
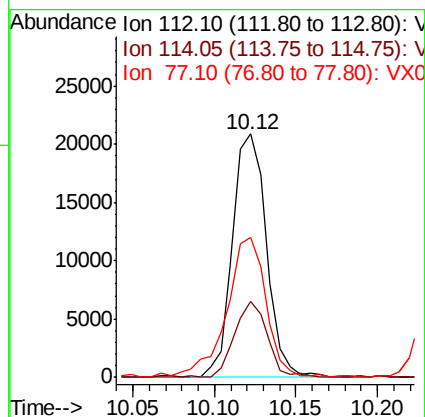
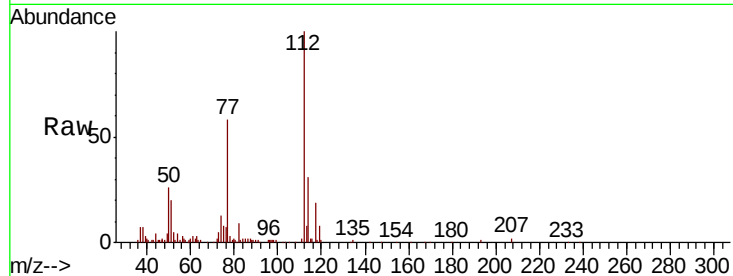
#53
Chlorobenzene
Concen: 0.991 ug/L
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX018684.D
Acq: 30 Sep 2020 02:45

Instrument :
MSVOA_X
ClientSampled :
BG495DL

Tot Ion:	112	Resp:	30346
Ion Ratio	Lower	Upper	
112	100		
114	31.4	20.6	38.4
77	57.6	46.6	69.8

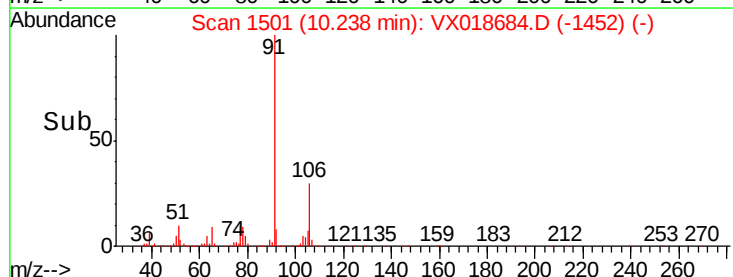
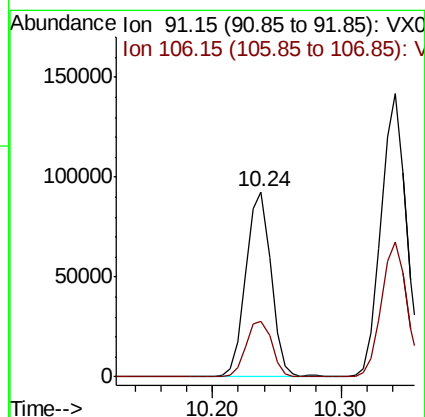
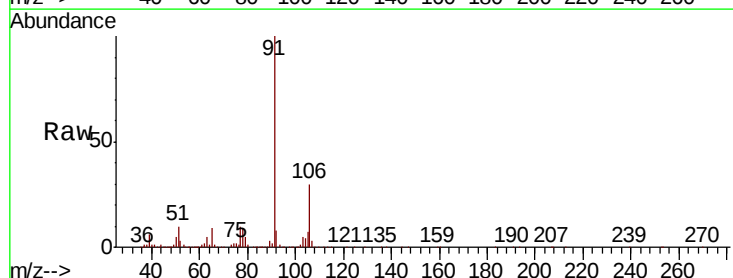
Manual Integrations
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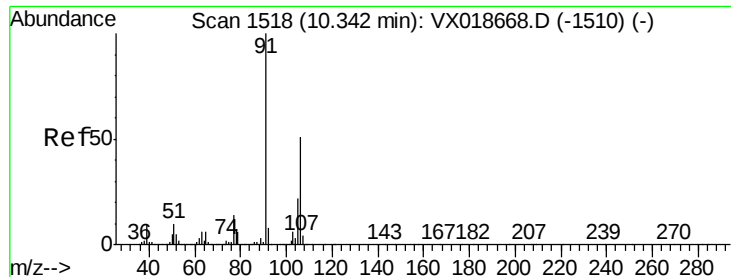
MMDadoda
10/1/2020 10:07:05 AM



#54
Ethylbenzene
Concen: 2.484 ug/L
RT: 10.24 min Scan# 1501
Delta R.T. 0.00 min
Lab File: VX018684.D
Acq: 30 Sep 2020 02:45

Tgt Ion:	91	Resp:	125494
Ion Ratio	Lower	Upper	
91	100		
106	30.2	21.0	39.0





#55

m,p-xylene

Concen: 4.831 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018684.D

Acq: 30 Sep 2020 02:45

Instrument :

MSVOA_X

ClientSampled :

BG495DL

Tot Ion:106 Resp: 93325

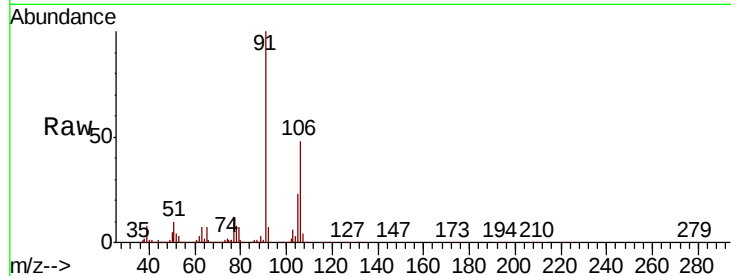
Ion Ratio Lower Upper

106 100

91 208.9 140.3 260.6

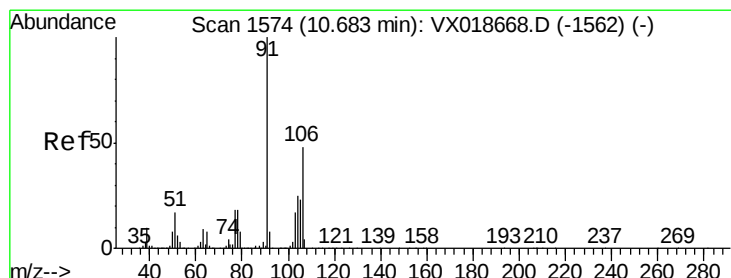
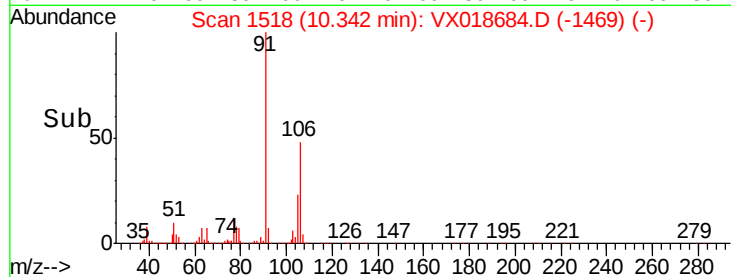
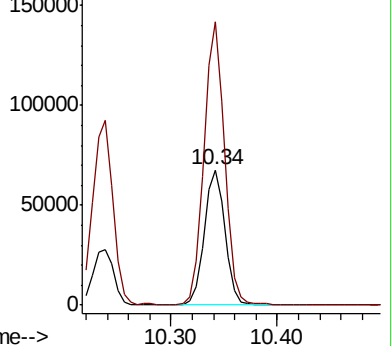
Manual Integrations
APPROVED

MMDadoda
10/1/2020 10:07:05 AM



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#56

o-xylene

Concen: 1.293 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX018684.D

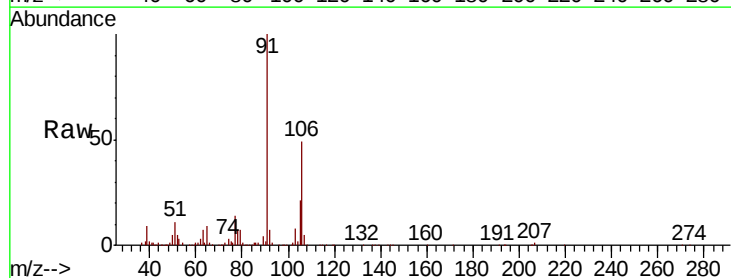
Acq: 30 Sep 2020 02:45

Tgt Ion:106 Resp: 23603

Ion Ratio Lower Upper

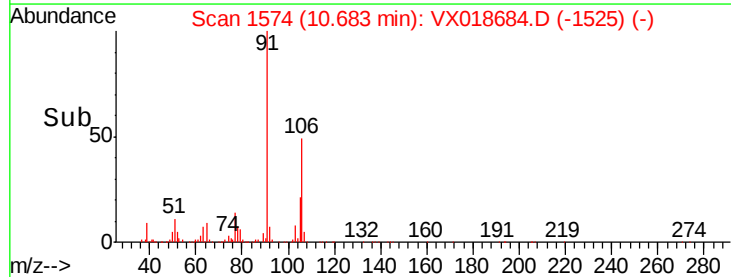
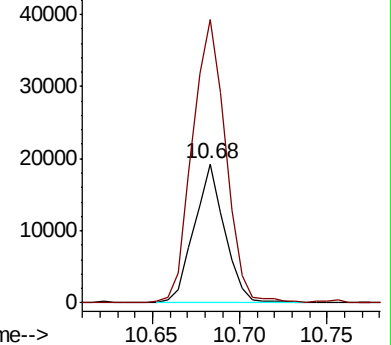
106 100

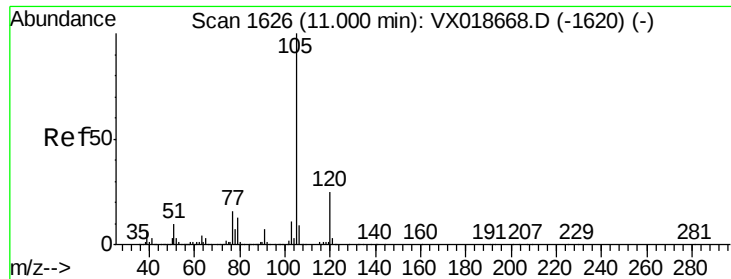
91 203.7 167.5 311.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0





#58

Isopropylbenzene

Concen: 0.296 ug/L

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX018684.D

Acq: 30 Sep 2020 02:45

Instrument :

MSVOA_X

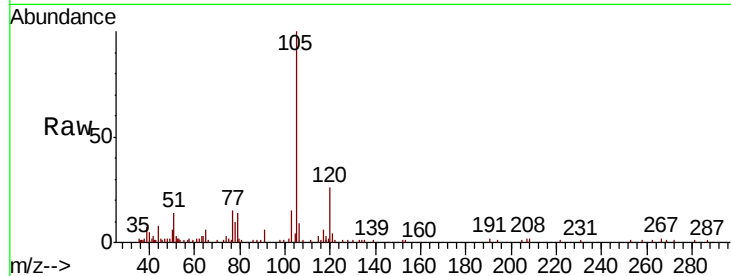
ClientSampled :

BG495DL

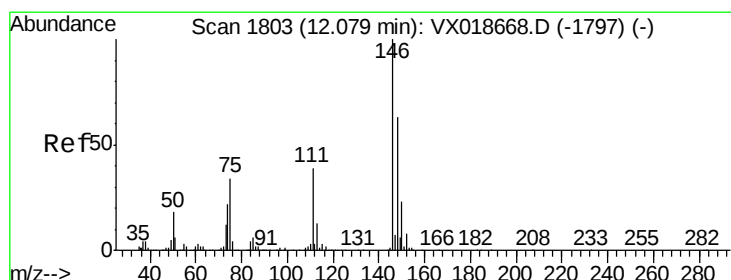
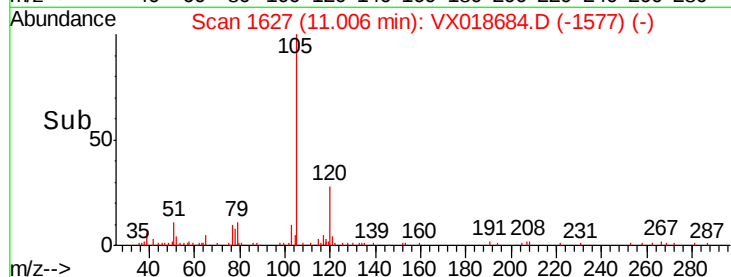
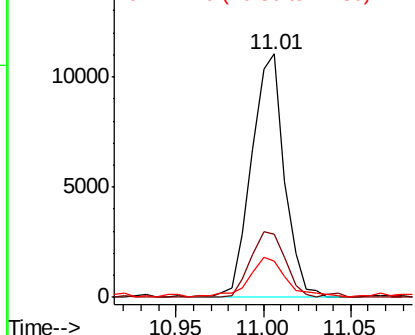
Tot Ion:	105	Resp:	14461
Ion Ratio	Lower	Upper	
105	100		
120	28.4	21.2	31.8
77	19.1	13.3	19.9

Manual Integrations
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10/1/2020 10:07:05 AM



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): V



#64

1,4-Dichlorobenzene

Concen: 0.124 ug/L

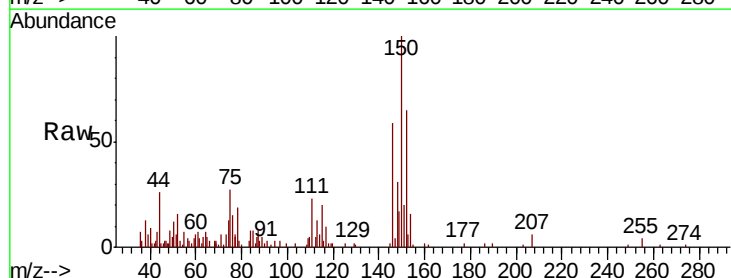
RT: 12.09 min Scan# 1804

Delta R.T. 0.01 min

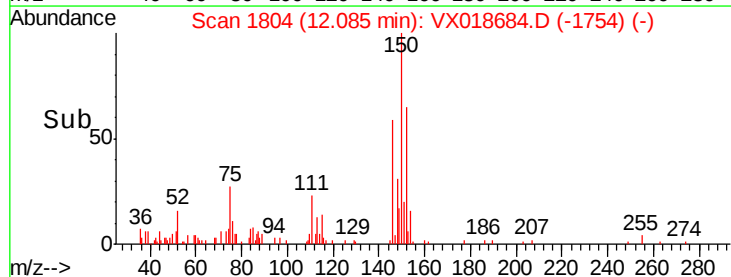
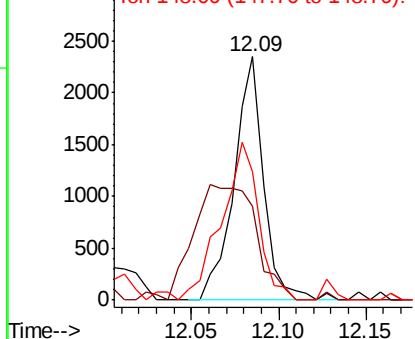
Lab File: VX018684.D

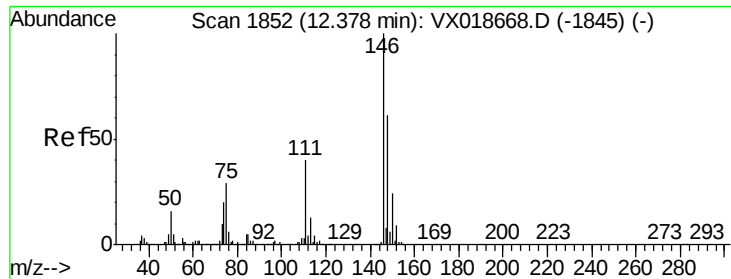
Acq: 30 Sep 2020 02:45

Tgt Ion:	146	Resp:	2760
Ion Ratio	Lower	Upper	
146	100		
111	38.6	28.8	53.4
148	52.6	44.9	83.3



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#66
 1,2-Dichlorobenzene
 Concen: 0.161 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX018684.D
 Acq: 30 Sep 2020 02:45

Instrument :
 MSVOA_X
 ClientSampleId :
 BG495DL

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.1	33.6	50.4
148	84.5	53.4	80.2

Manual Integrations
 APPROVED

MMDadoda
 10/1/2020 10:07:05 AM

