

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100120\
 Data File : VX018731.D
 Acq On : 01 Oct 2020 19:16
 Operator : JC/SP
 Sample : L4135-18
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG496

Quant Time: Oct 02 09:11:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 02 08:54:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	194737	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	181779	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	95834	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	65043	6.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	127.60%
7) Chloroethane-d5	1.70	69	51092	5.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	119.00%
11) 1,1-Dichloroethene-d2	2.34	63	108137	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.00%
20) 2-Butanone-d5	4.54	46	169498	65.23	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	130.46%#
24) Chloroform-d	5.14	84	140312	5.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	116.20%
26) 1,2-Dichloroethane-d4	6.03	65	85597	6.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	121.60%
32) Benzene-d6	6.05	84	245854	5.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	117.20%
36) 1,2-Dichloropropane-d6	7.37	67	71768	5.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.20%
41) Toluene-d8	8.70	98	232419	5.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.40%
45) trans-1,3-Dichloropropene-	8.99	79	37027	6.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	130.20%#
48) 2-Hexanone-d5	9.43	63	136028	66.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	133.60%#
59) 1,1,2,2-Tetrachloroethane-	11.23	84	55777	5.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	117.20%
65) 1,2-Dichlorobenzene-d4	12.36	152	95127	6.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	121.60%#

Target Compounds

					Ovalue
8) Chloroethane	1.71	64	14117	2.435 ug/L	93
13) Acetone	2.44	43	3768	2.620 ug/L	78
16) Methylene chloride	2.84	84	3057	0.235 ug/L	95
30) Cyclohexane	5.54	56	10922	0.793 ug/L	97
33) Benzene	6.11	78	1387517	39.589 ug/L	100
35) Methylcyclohexane	7.43	83	7691	0.545 ug/L #	90
42) Toluene	8.76	91	7175	0.190 ug/L	99
53) Chlorobenzene	10.12	112	338143	13.521 ug/L	96
54) Ethylbenzene	10.24	91	7986	0.194 ug/L	85
55) m,p-xylene	10.35	106	5929	0.376 ug/L	95
56) o-xylene	10.68	106	2295	0.154 ug/L	72
58) Isopropylbenzene	11.01	105	24678	0.618 ug/L	98
63) 1,3-Dichlorobenzene	12.01	146	3427	0.165 ug/L	91
64) 1,4-Dichlorobenzene	12.08	146	46808	2.224 ug/L	96
66) 1,2-Dichlorobenzene	12.38	146	52931	2.727 ug/L	97

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Quant Time: Oct 02 09:11:01 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 02 08:54:14 2020
Response via : Initial Calibration

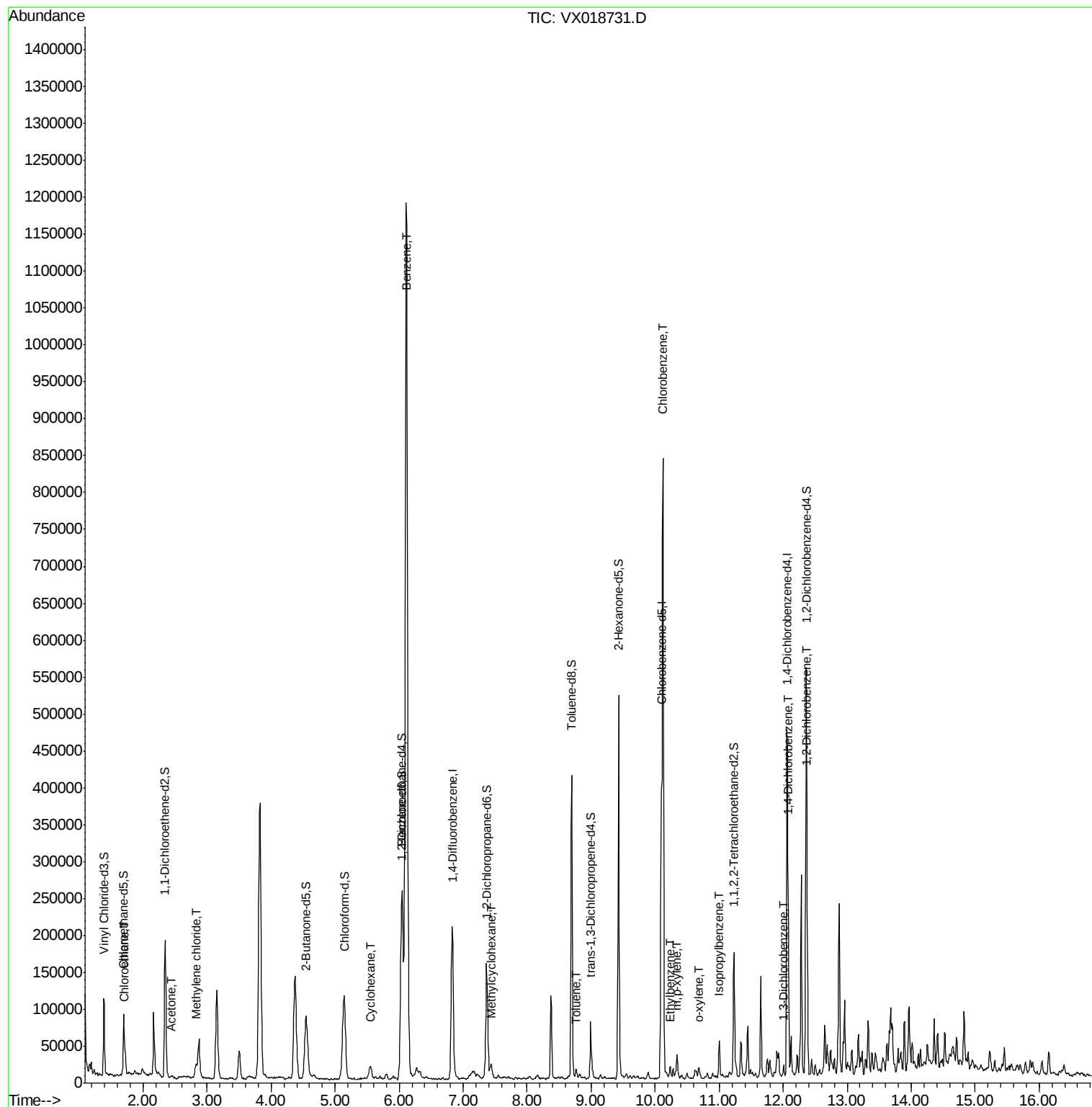
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

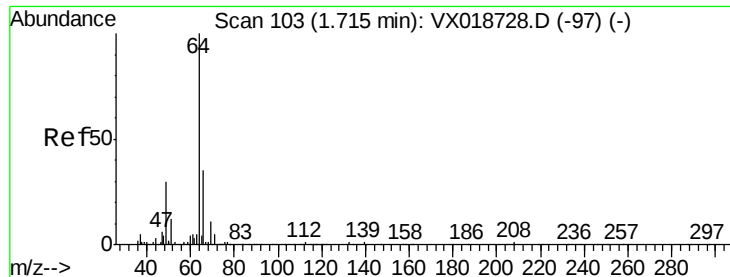
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#8

Chloroethane

Concen: 2.435 ug/L

RT: 1.71 min Scan# 103

Delta R.T. -0.00 min

Lab File: VX018731.D

Acq: 01 Oct 2020 19:16

Instrument :

MSVOA_X

ClientSampled :

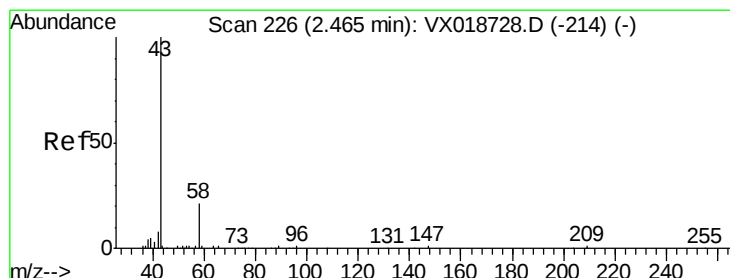
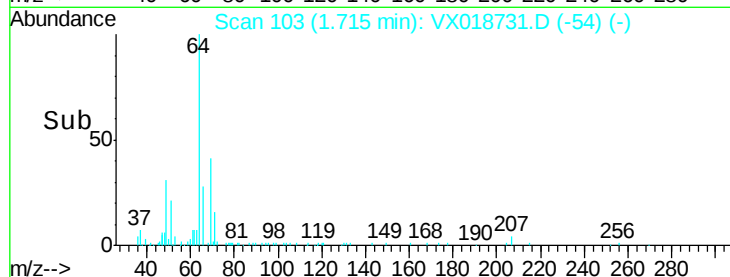
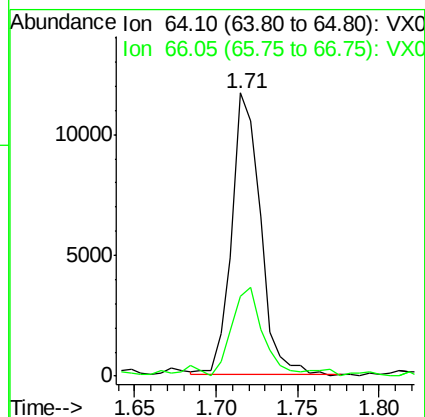
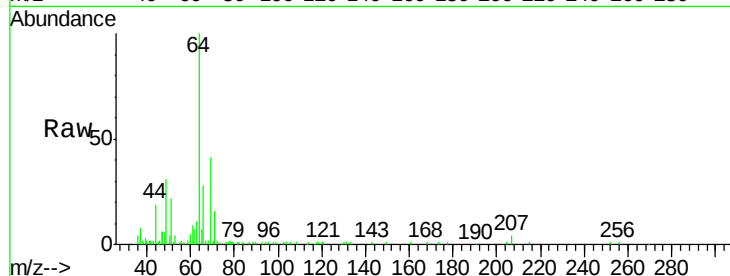
BG496

Tot Ion: 64 Resp: 14117

Ion Ratio Lower Upper

64 100

66 28.2 22.3 41.3



#13

Acetone

Concen: 2.620 ug/L

RT: 2.44 min Scan# 222

Delta R.T. -0.02 min

Lab File: VX018731.D

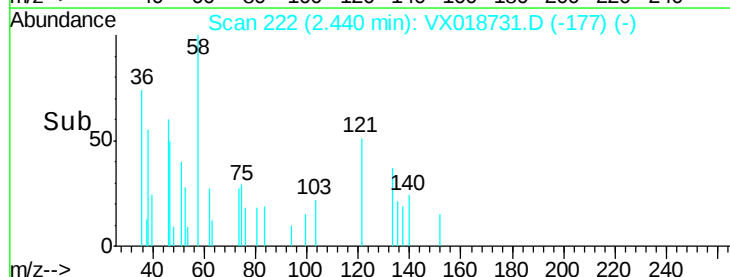
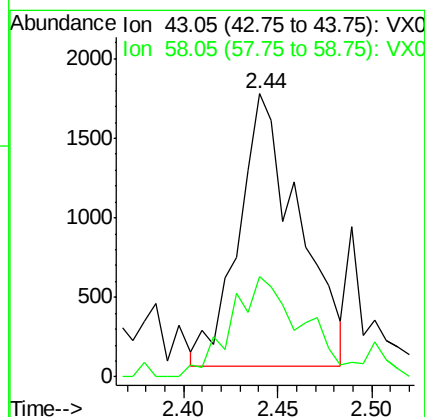
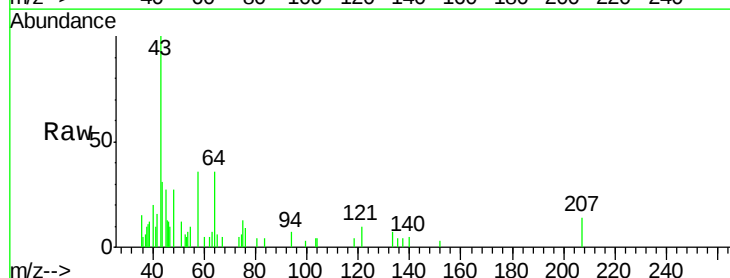
Acq: 01 Oct 2020 19:16

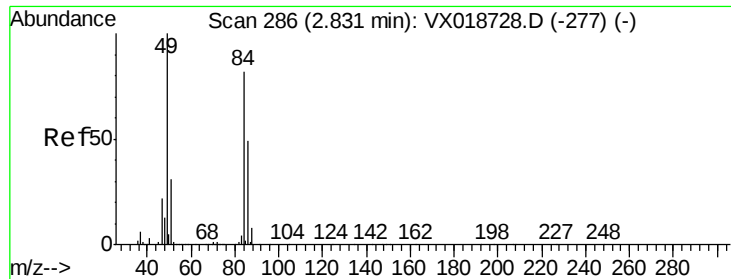
Tgt Ion: 43 Resp: 3768

Ion Ratio Lower Upper

43 100

58 42.7 0.0 61.6

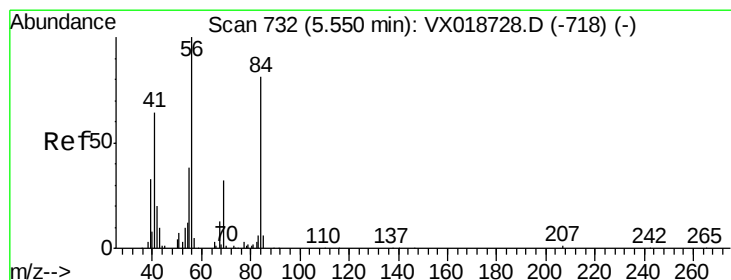
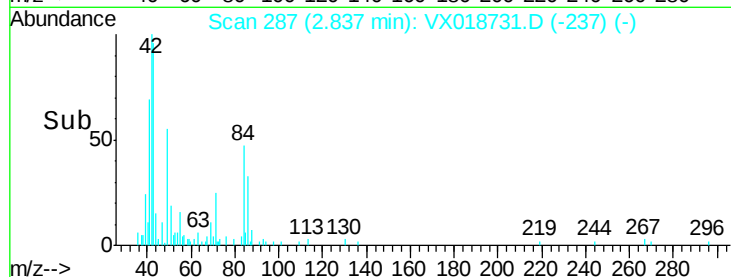
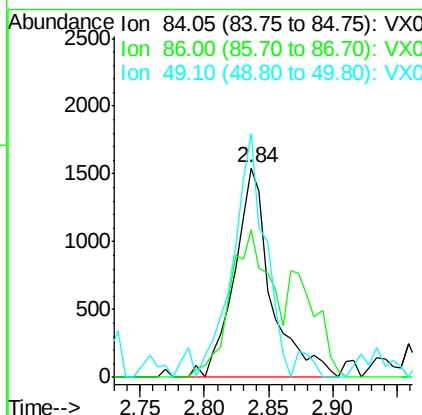
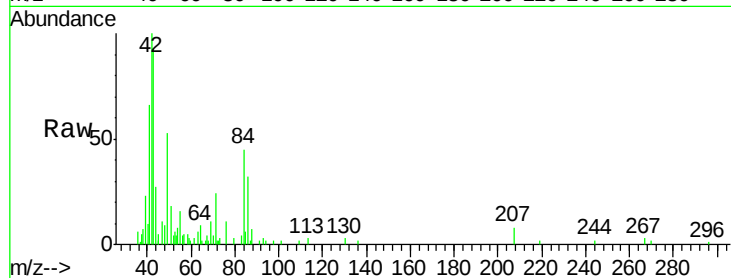




#16
Methvlene chloride
Concen: 0.235 ug/L
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018731.D
Acq: 01 Oct 2020 19:16

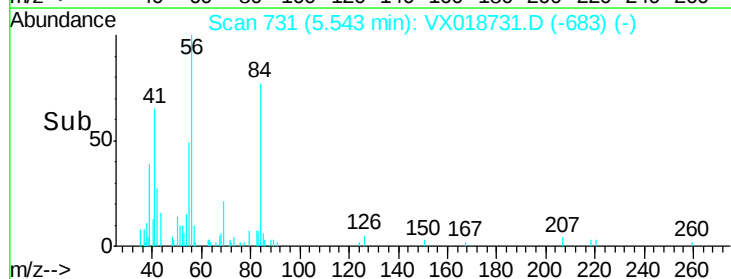
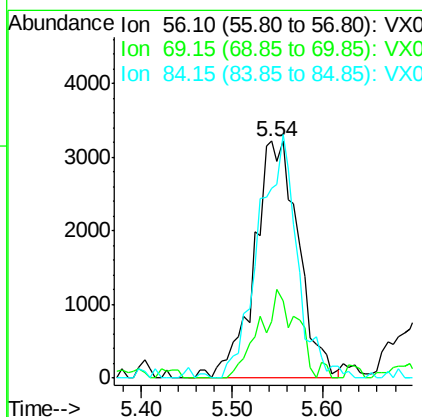
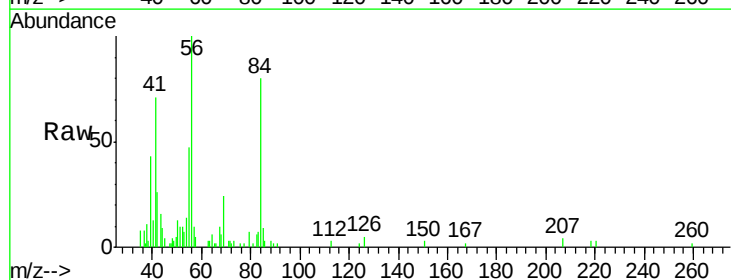
Instrument :
MSVOA_X
ClientSampleId :
BG496

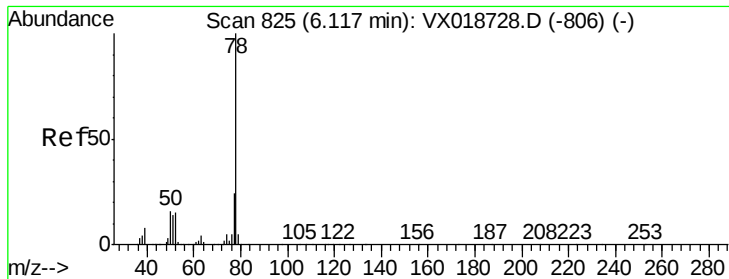
Tot Ion: 84 Resp: 3057
Ion Ratio Lower Upper
84 100
86 70.5 41.9 77.7
49 116.3 80.8 150.2



#30
Cyclohexane
Concen: 0.793 ug/L
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX018731.D
Acq: 01 Oct 2020 19:16

Tgt Ion: 56 Resp: 10922
Ion Ratio Lower Upper
56 100
69 31.0 26.4 39.6
84 88.5 72.7 109.1





#33

Benzene

Concen: 39.589 ug/L

RT: 6.11 min Scan# 824

Delta R.T. -0.01 min

Lab File: VX018731.D

Acq: 01 Oct 2020 19:16

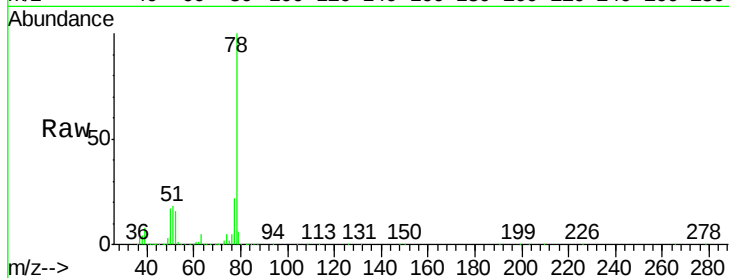
Instrument :

MSVOA_X

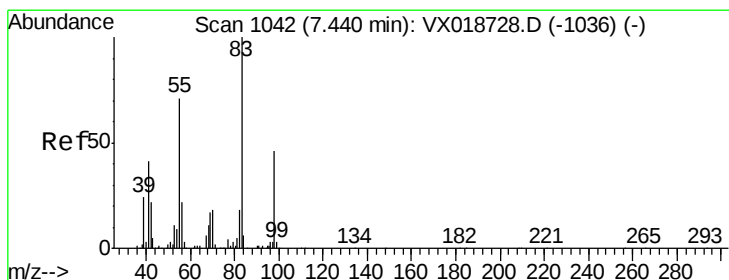
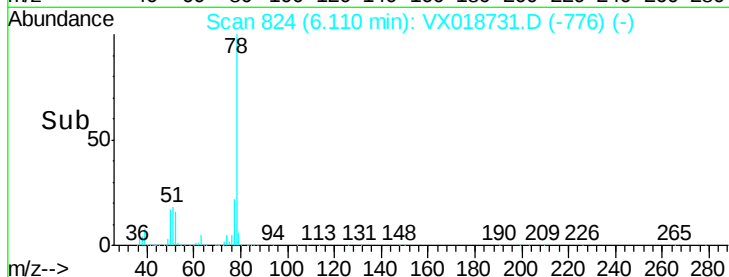
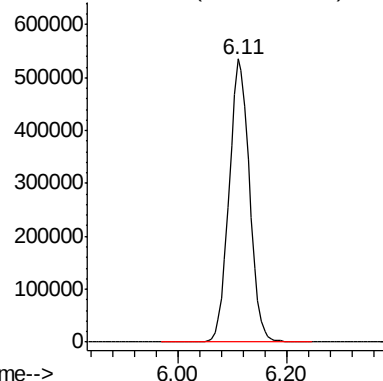
ClientSampled :

BG496

Tgt Ion: 78 Resp: 1387517



Abundance Ion 78.10 (77.80 to 78.80): VX0



#35

Methylcyclohexane

Concen: 0.545 ug/L

RT: 7.43 min Scan# 1041

Delta R.T. -0.01 min

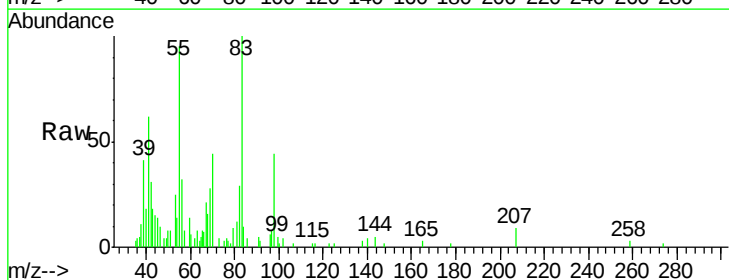
Lab File: VX018731.D

Acq: 01 Oct 2020 19:16

Tgt Ion: 83 Resp: 7691

Ion Ratio Lower Upper

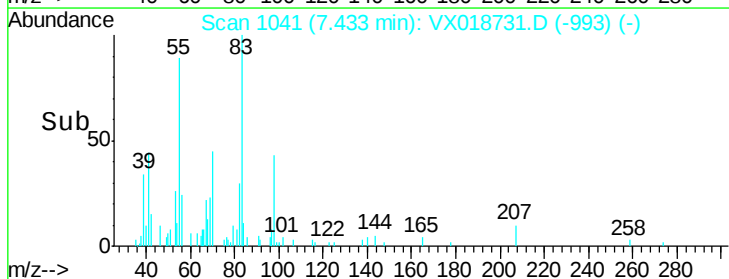
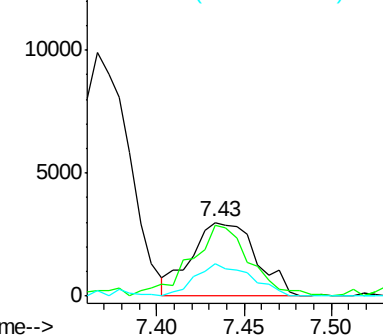
83	100		
55	88.1	67.4	101.0
98	37.8	41.1	61.7#

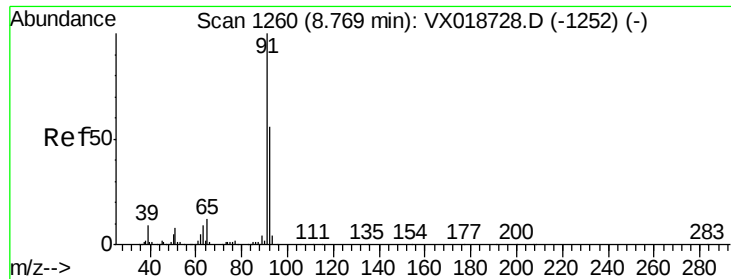


Abundance Ion 83.15 (82.85 to 83.85): VX0

Ion 55.10 (54.80 to 55.80): VX0

Ion 98.15 (97.85 to 98.85): VX0





#42

Toluene

Concen: 0.190 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX018731.D

Acq: 01 Oct 2020 19:16

Instrument :

MSVOA_X

ClientSampleId :

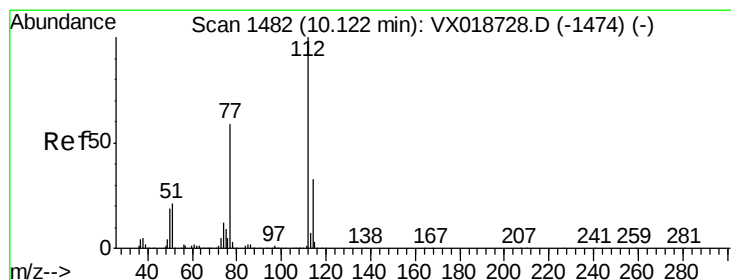
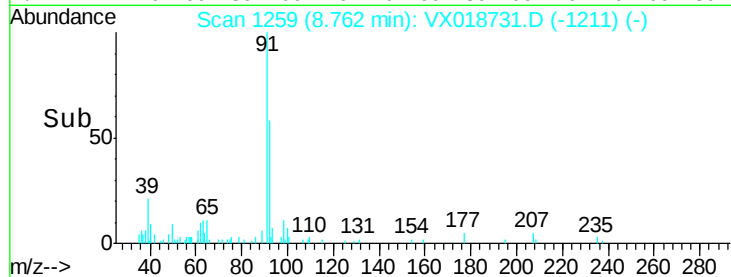
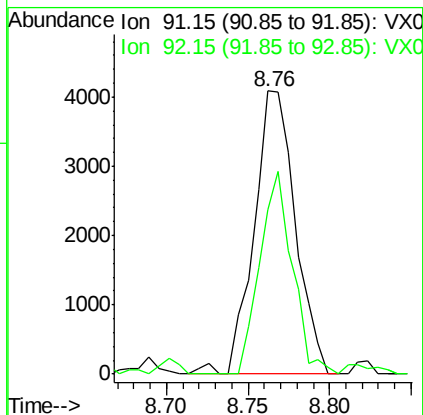
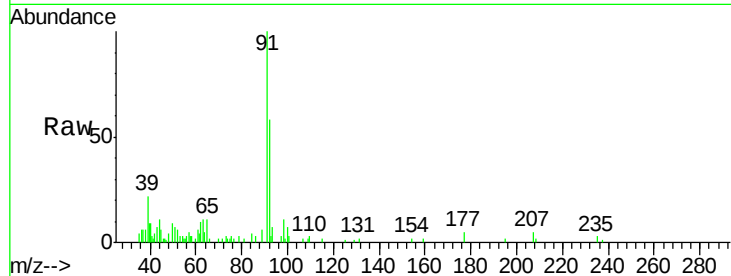
BG496

Tot Ion: 91 Resp: 7175

Ion Ratio Lower Upper

91 100

92 58.0 41.1 76.3



#53

Chlorobenzene

Concen: 13.521 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX018731.D

Acq: 01 Oct 2020 19:16

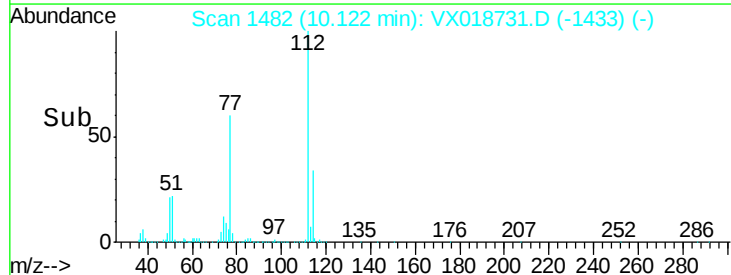
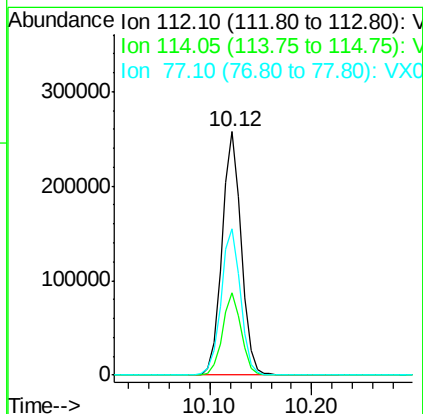
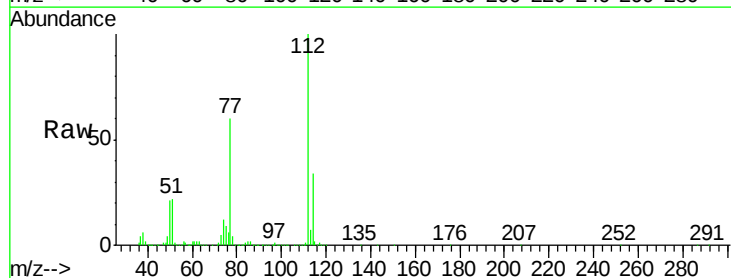
Tgt Ion: 112 Resp: 338143

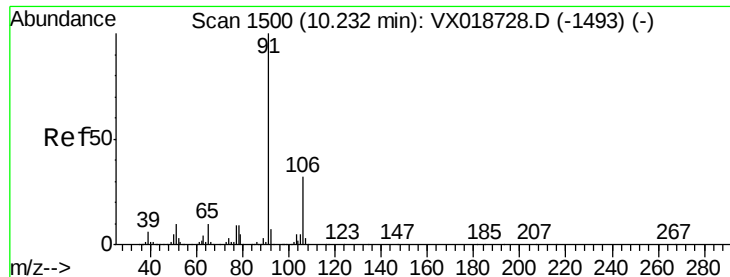
Ion Ratio Lower Upper

112 100

114 33.6 20.6 38.4

77 60.2 46.6 69.8





#54

Ethylbenzene

Concen: 0.194 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX018731.D

Acq: 01 Oct 2020 19:16

Instrument :

MSVOA_X

ClientSampleId :

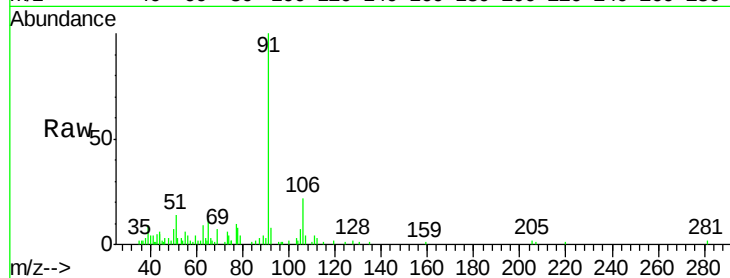
BG496

Tot Ion: 91 Resp: 7986

Ion Ratio Lower Upper

91 100

106 21.9 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VX018728.D (-1493) (-)

Ion 106.15 (105.85 to 106.85): VX018728.D (-1493) (-)

8000

6000

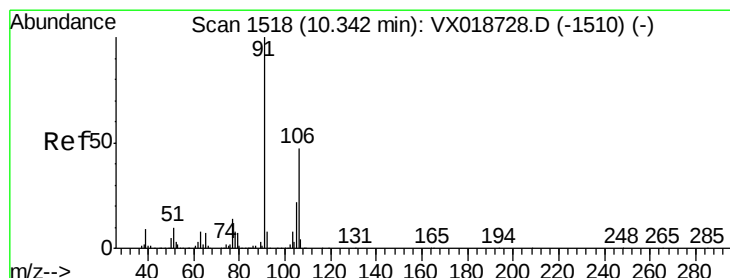
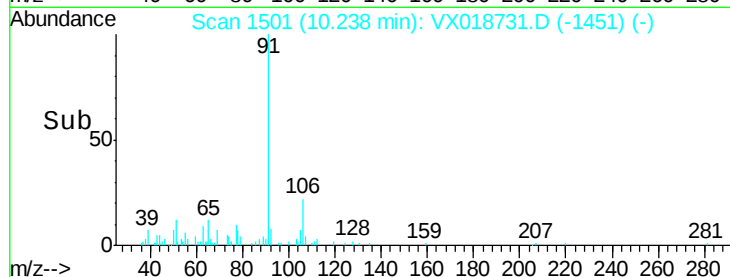
4000

2000

0

10.15 10.20 10.25 10.30

Time-->



#55

m,p-xylene

Concen: 0.376 ug/L

RT: 10.35 min Scan# 1519

Delta R.T. 0.01 min

Lab File: VX018731.D

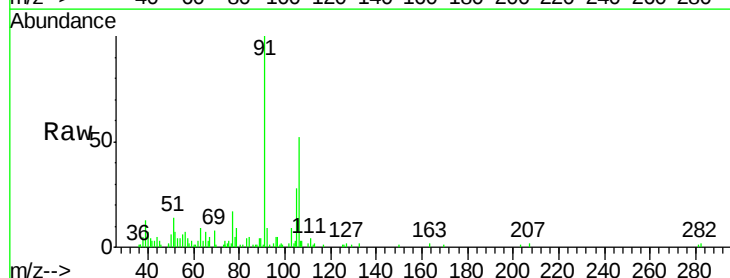
Acq: 01 Oct 2020 19:16

Tgt Ion: 106 Resp: 5929

Ion Ratio Lower Upper

106 100

91 192.9 140.3 260.6



Abundance Ion 106.15 (105.85 to 106.85): VX018728.D (-1510) (-)

Ion 91.15 (90.85 to 91.85): VX018728.D (-1510) (-)

8000

6000

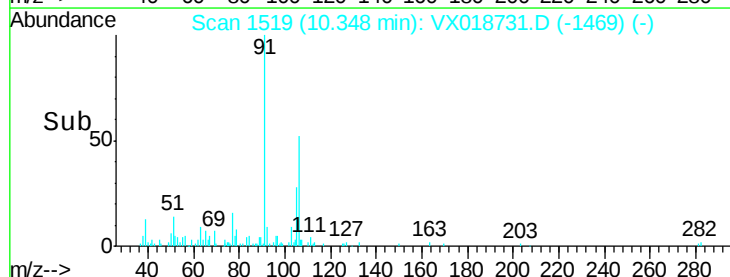
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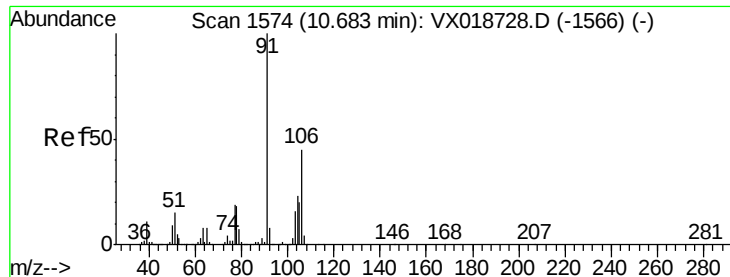
2000

0

10.30 10.35 10.40

Time-->

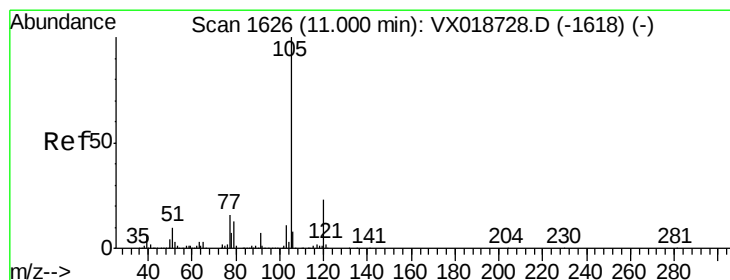
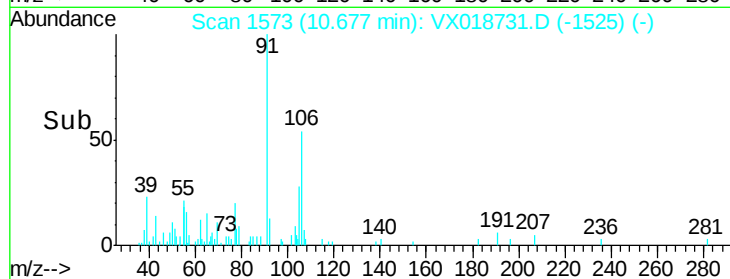
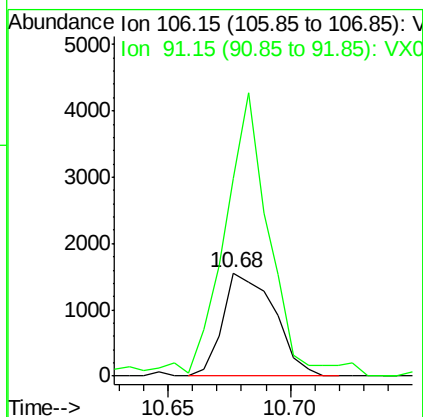
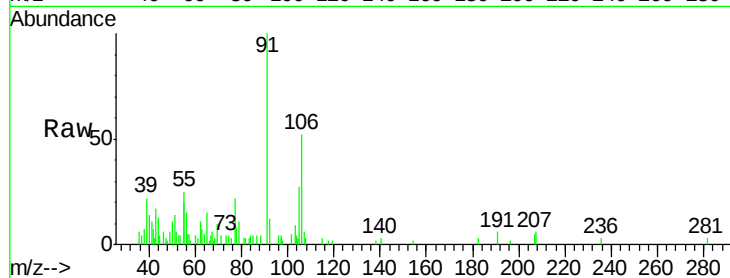




#56
o-xylene
Concen: 0.154 ug/L
RT: 10.68 min Scan# 1573
Delta R.T. -0.01 min
Lab File: VX018731.D
Acq: 01 Oct 2020 19:16

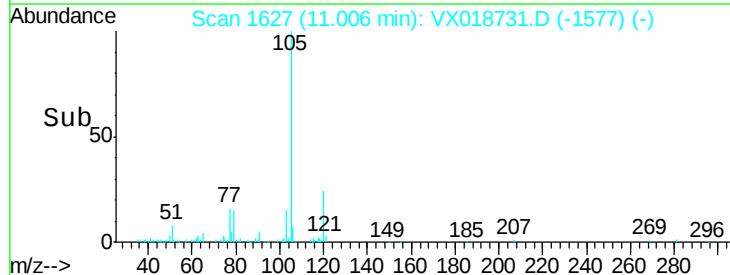
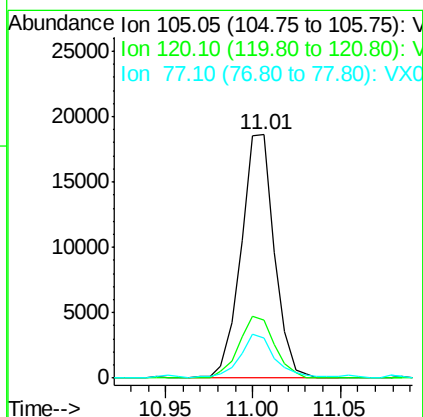
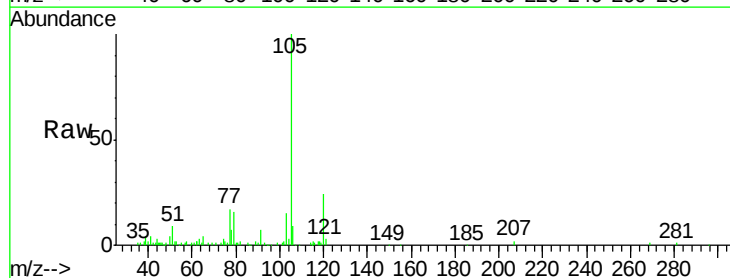
Instrument :
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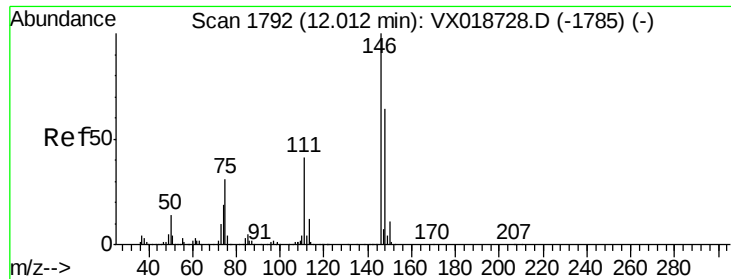
Tot Ion:106 Resp: 2295
Ion Ratio Lower Upper
106 100
91 191.6 167.5 311.1



#58
Isopropylbenzene
Concen: 0.618 ug/L
RT: 11.01 min Scan# 1627
Delta R.T. 0.01 min
Lab File: VX018731.D
Acq: 01 Oct 2020 19:16

Tgt Ion:105 Resp: 24678
Ion Ratio Lower Upper
105 100
120 27.0 21.2 31.8
77 18.7 13.3 19.9

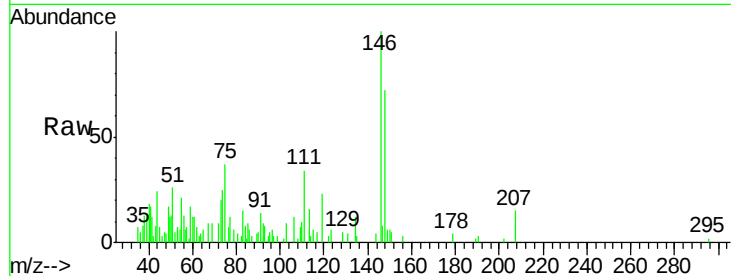




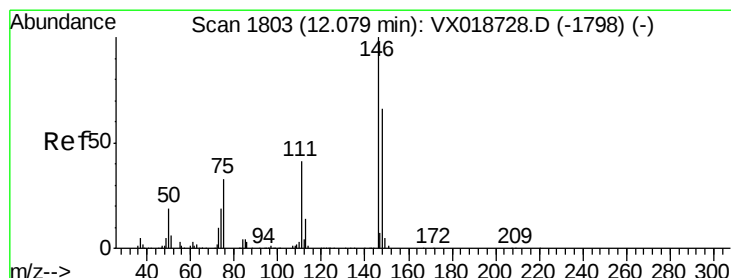
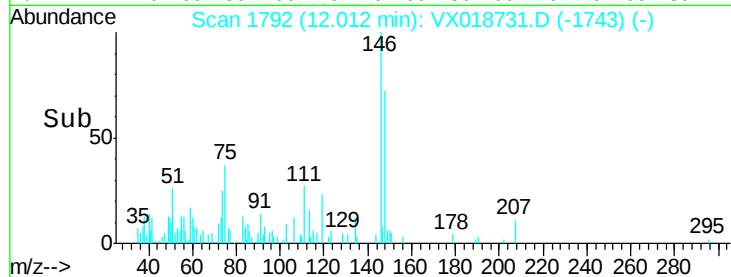
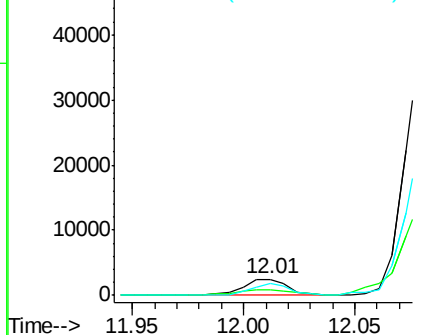
#63
 1,3-Dichlorobenzene
 Concen: 0.165 ug/L
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX018731.D
 Acq: 01 Oct 2020 19:16

Instrument :
 MSVOA_X
 ClientSampleId :
 BG496

Tot Ion:146 Resp: 3427
 Ion Ratio Lower Upper
 146 100
 111 33.8 26.7 49.7
 148 71.6 44.4 82.5

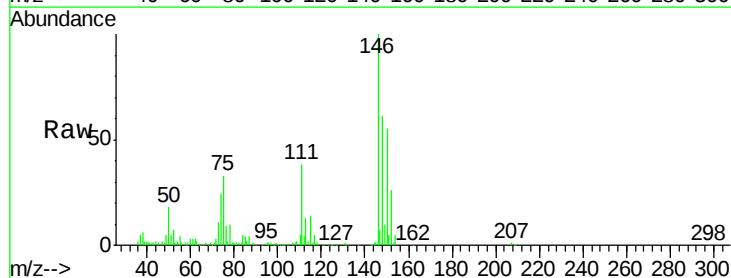


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

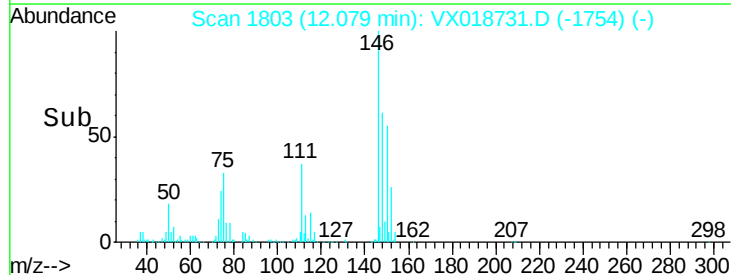
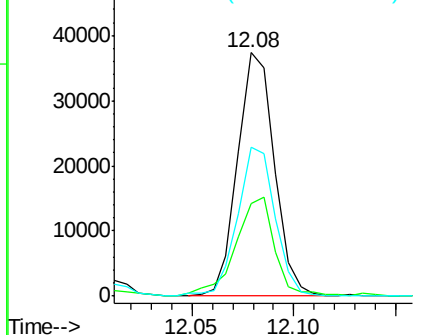


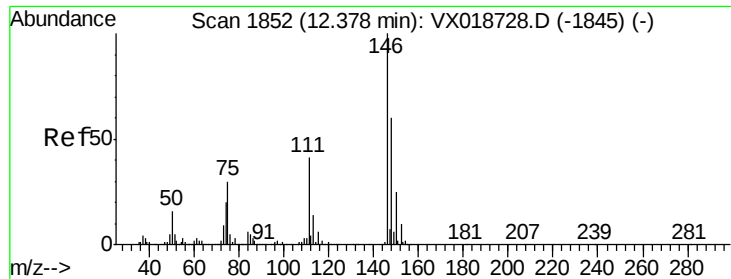
#64
 1,4-Dichlorobenzene
 Concen: 2.224 ug/L
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX018731.D
 Acq: 01 Oct 2020 19:16

Tgt Ion:146 Resp: 46808
 Ion Ratio Lower Upper
 146 100
 111 38.0 28.8 53.4
 148 61.1 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: 2.727 ug/L

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX018731.D

Acq: 01 Oct 2020 19:16

Instrument :

MSVOA_X

ClientSampleId :

BG496

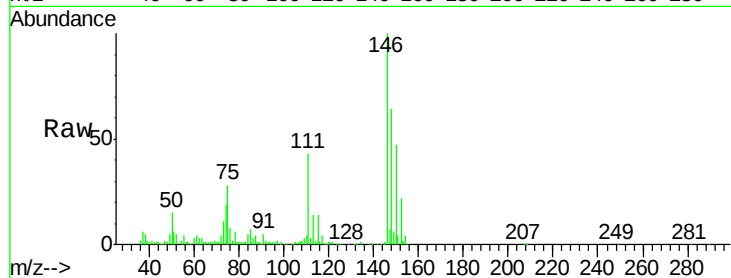
Tot Ion:146 Resp: 52931

Ion Ratio Lower Upper

146 100

111 42.7 33.6 50.4

148 63.7 53.4 80.2



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

