

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092820\
 Data File : VX018638.D
 Acq On : 29 Sep 2020 00:34
 Operator : JC/SP
 Sample : L4135-18
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG496

Quant Time: Sep 29 06:06:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 29 02:30:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	356475	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	334537	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	169479	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	78087	4.19	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.80%
7) Chloroethane-d5	1.70	69	70146	4.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.20%
11) 1,1-Dichloroethene-d2	2.34	63	136289	3.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.20%
20) 2-Butanone-d5	4.54	46	236196	49.66	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.32%
24) Chloroform-d	5.14	84	183611	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.00%
26) 1,2-Dichloroethane-d4	6.03	65	99876	3.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.60%
32) Benzene-d6	6.05	84	355648	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
36) 1,2-Dichloropropane-d6	7.37	67	112544	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.60%
41) Toluene-d8	8.70	98	331150	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.20%
45) trans-1,3-Dichloropropene-	8.99	79	44290	4.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.60%
48) 2-Hexanone-d5	9.43	63	196479	52.43	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.86%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	80220	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.60%
65) 1,2-Dichlorobenzene-d4	12.36	152	128780	4.65	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.00%

Target Compounds

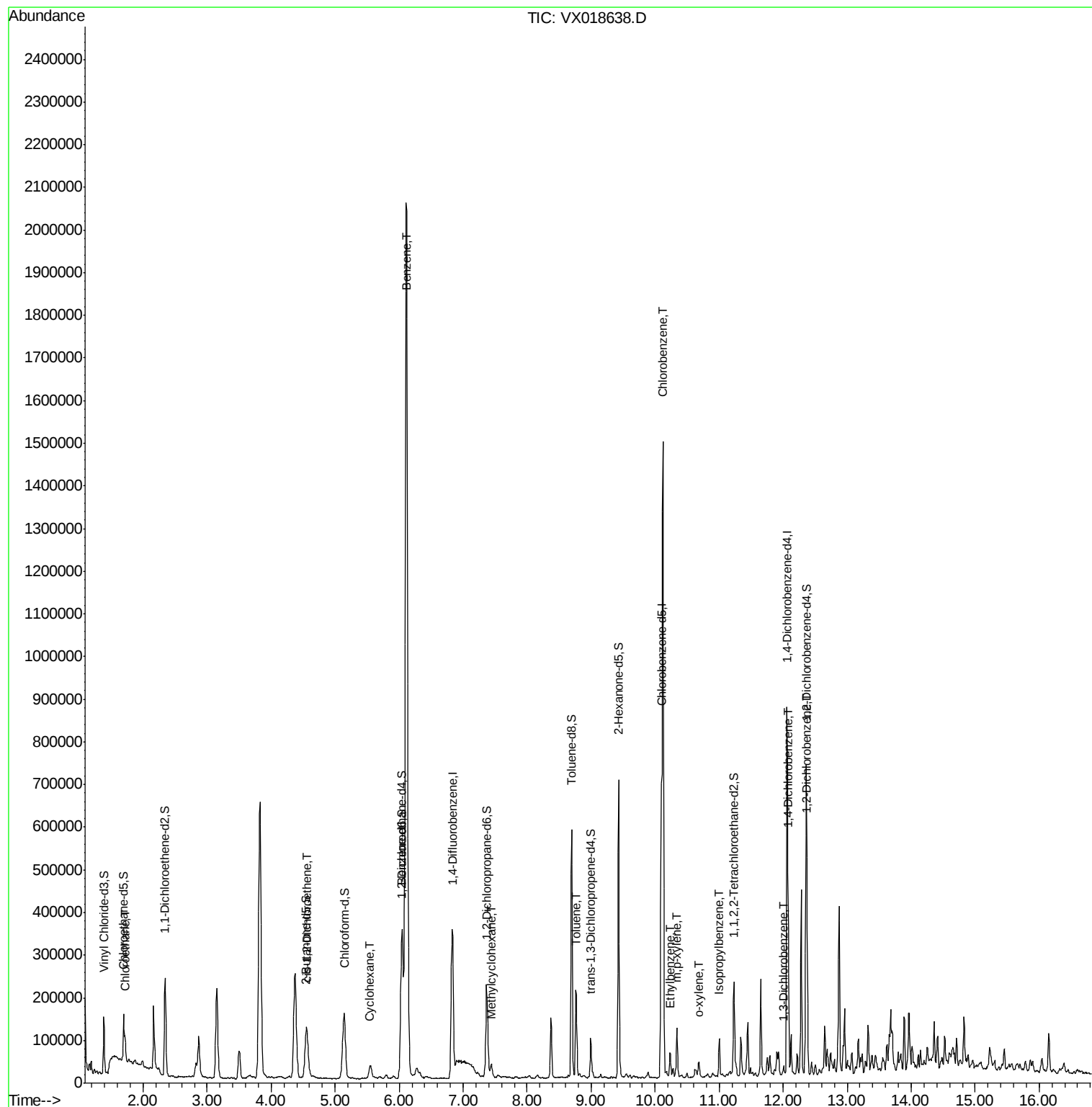
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.72	64	34247	3.227	ug/L #	81
22) cis-1,2-Dichloroethene	4.56	96	9097	0.501	ug/L #	93
30) Cyclohexane	5.55	56	19639	0.775	ug/L	98
33) Benzene	6.11	78	2463719	38.197	ug/L	100
35) Methylcyclohexane	7.44	83	12541	0.483	ug/L	93
42) Toluene	8.76	91	134760	1.934	ug/L	96
53) Chlorobenzene	10.12	112	638907	13.882	ug/L	97
54) Ethylbenzene	10.23	91	32175	0.424	ug/L	99
55) m,p-xylene	10.34	106	24440	0.842	ug/L	99
56) o-xylene	10.68	106	7716	0.281	ug/L	98
58) Isopropylbenzene	11.01	105	46809	0.637	ug/L	96
63) 1,3-Dichlorobenzene	12.01	146	5069	0.138	ug/L	98
64) 1,4-Dichlorobenzene	12.08	146	81558	2.191	ug/L	96
66) 1,2-Dichlorobenzene	12.38	146	86463	2.519	ug/L	100

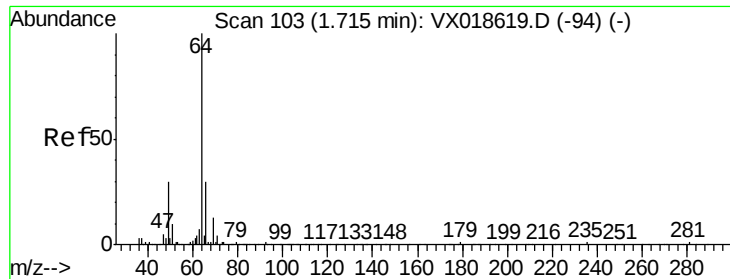
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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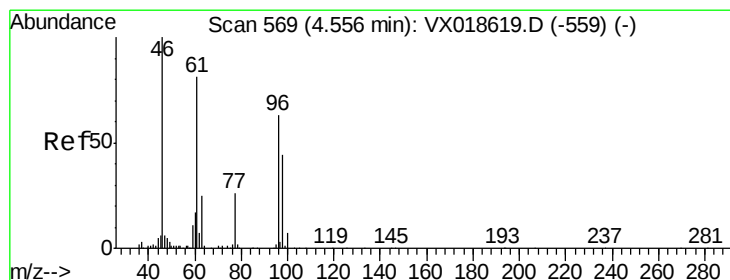
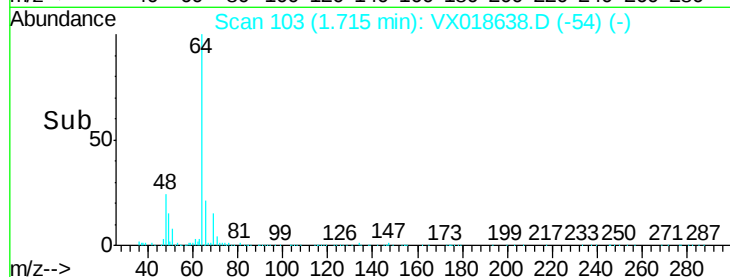
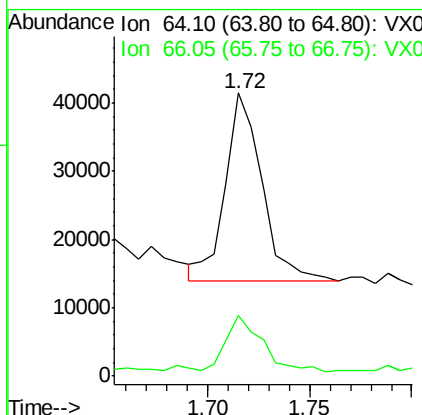
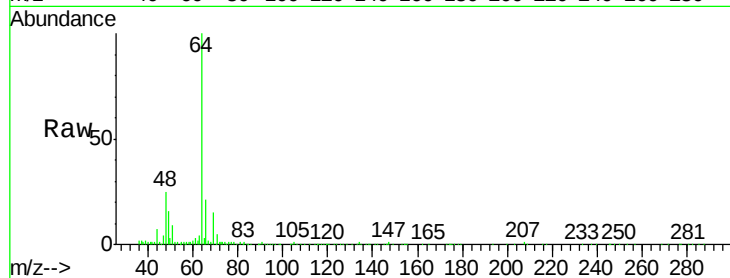




#8
Chloroethane
Concen: 3.227 ug/L
RT: 1.72 min Scan# 103
Delta R.T. -0.00 min
Lab File: VX018638.D
Acq: 29 Sep 2020 00:34

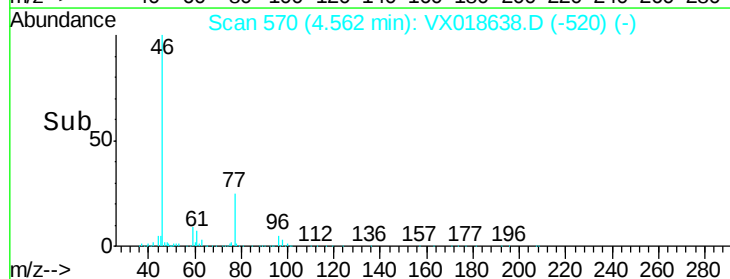
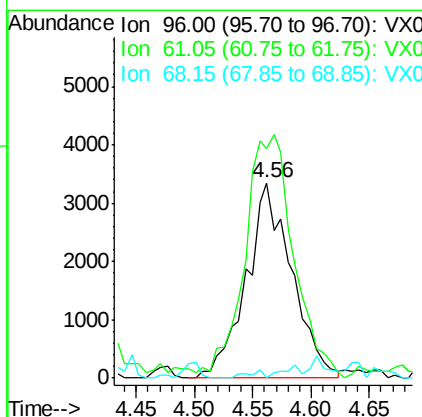
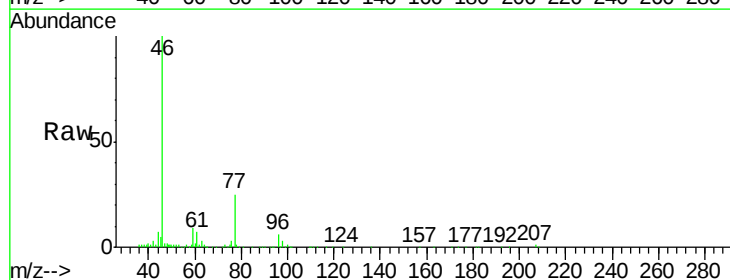
Instrument :
MSVOA_X
ClientSampleId :
BG496

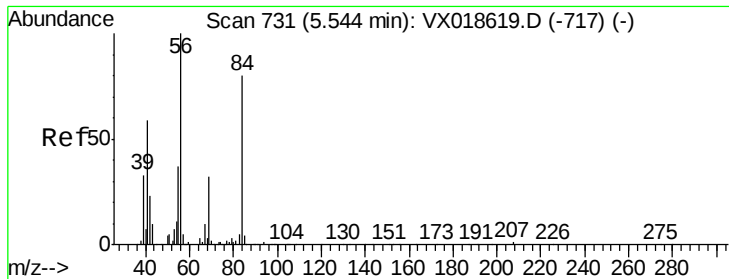
Tot Ion: 64 Resp: 34247
Ion Ratio Lower Upper
64 100
66 21.2 22.3 41.3#



#22
cis-1,2-Dichloroethene
Concen: 0.501 ug/L
RT: 4.56 min Scan# 570
Delta R.T. 0.01 min
Lab File: VX018638.D
Acq: 29 Sep 2020 00:34

Tgt Ion: 96 Resp: 9097
Ion Ratio Lower Upper
96 100
61 117.5 87.7 162.9
68 0.0 0.3 0.7#

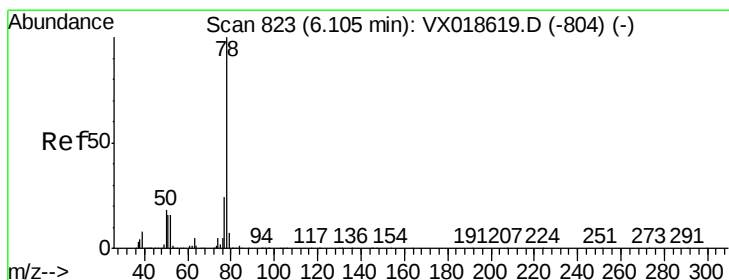
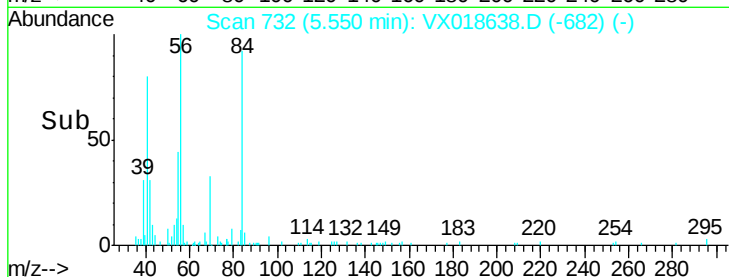
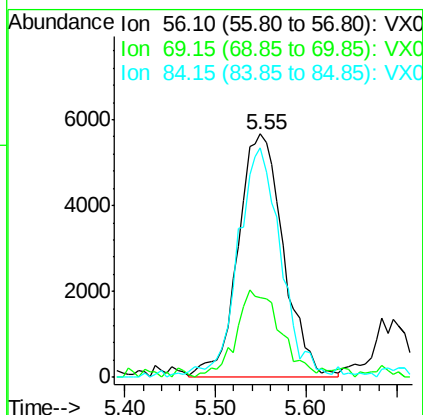
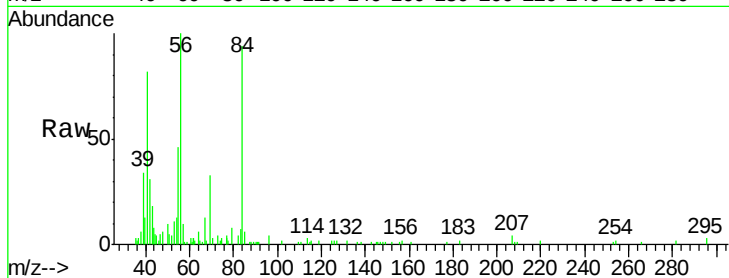




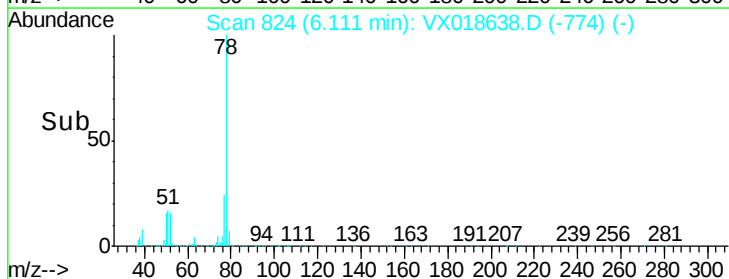
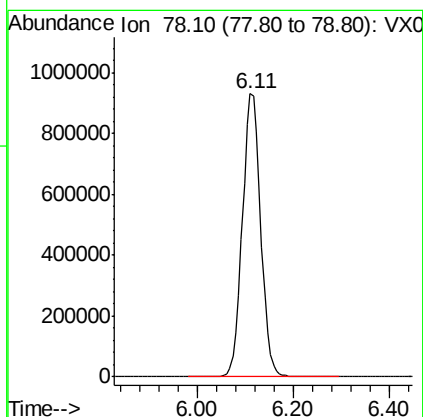
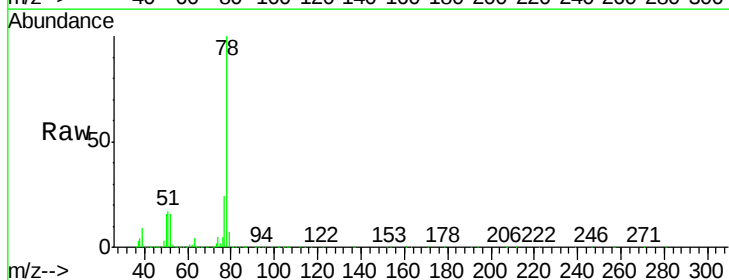
#30
Cyclohexane
Concen: 0.775 ug/L
RT: 5.55 min Scan# 732
Delta R.T. 0.01 min
Lab File: VX018638.D
Acq: 29 Sep 2020 00:34

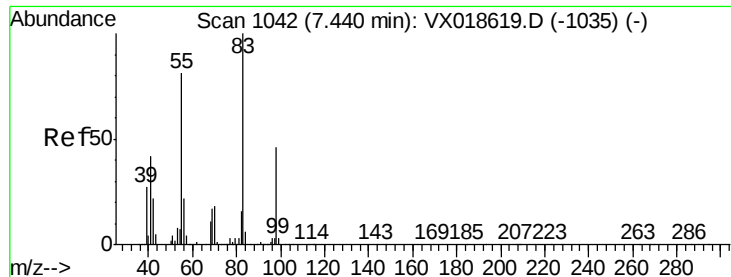
Instrument :
MSVOA_X
ClientSampleId :
BG496

Tot Ion: 56 Resp: 19639
Ion Ratio Lower Upper
56 100
69 35.1 26.4 39.6
84 89.8 72.7 109.1



#33
Benzene
Concen: 38.197 ug/L
RT: 6.11 min Scan# 824
Delta R.T. 0.01 min
Lab File: VX018638.D
Acq: 29 Sep 2020 00:34
Tgt Ion: 78 Resp: 2463719

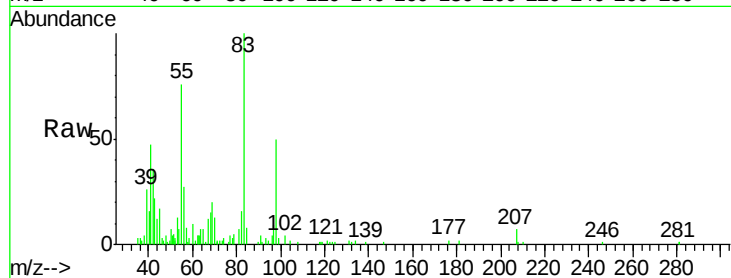




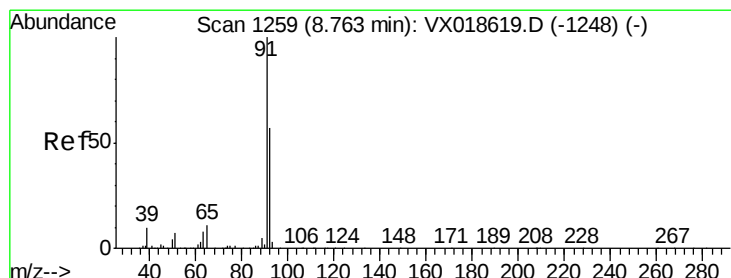
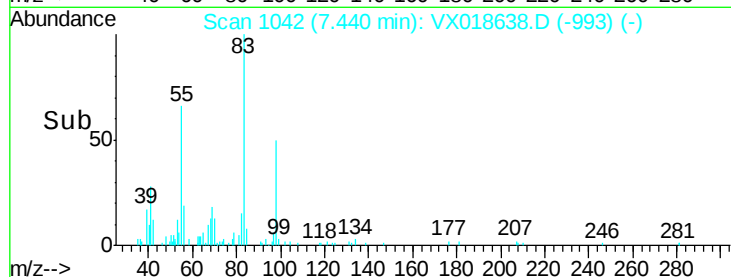
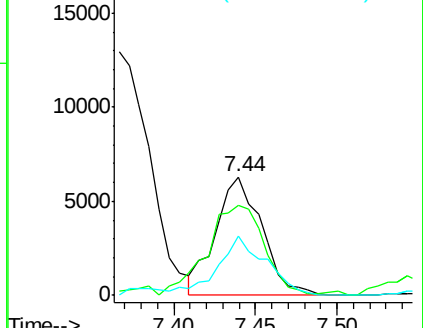
#35
Methvlcvclohexane
Concen: 0.483 ug/L
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX018638.D
Acq: 29 Sep 2020 00:34

Instrument :
MSVOA_X
ClientSampleId :
BG496

Tot Ion	83	Resp	12541
Ion Ratio	Lower	Upper	
83	100		
55	94.1	67.4	101.0
98	52.1	41.1	61.7

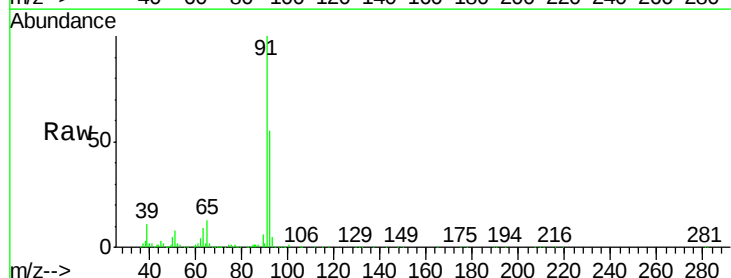


Abundance Ion 83.15 (82.85 to 83.85): VX0
Ion 55.10 (54.80 to 55.80): VX0
Ion 98.15 (97.85 to 98.85): VX0

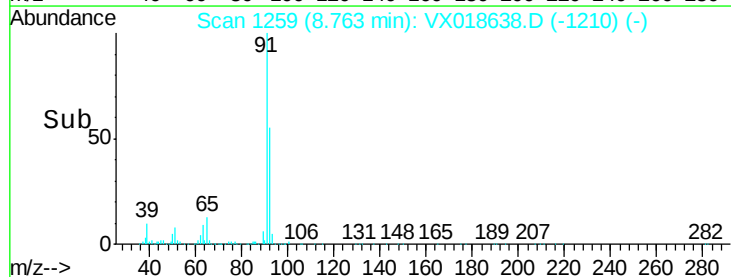
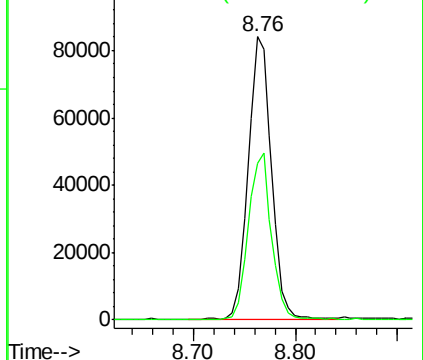


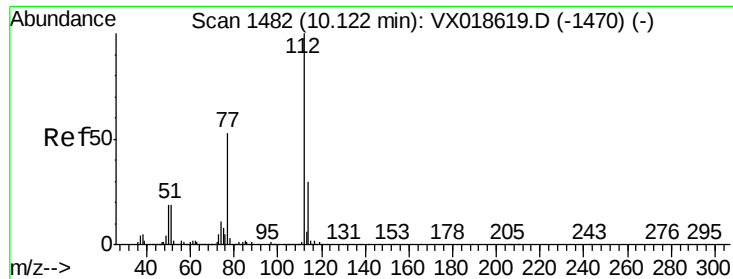
#42
Toluene
Concen: 1.934 ug/L
RT: 8.76 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VX018638.D
Acq: 29 Sep 2020 00:34

Tgt Ion	91	Resp	134760
Ion Ratio	Lower	Upper	
91	100		
92	55.4	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: 13.882 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX018638.D

Acq: 29 Sep 2020 00:34

Instrument :

MSVOA_X

ClientSampleId :

BG496

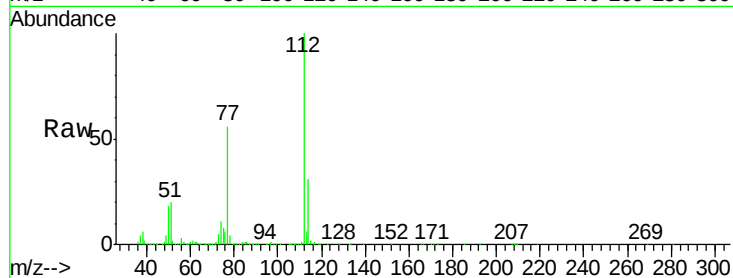
Tot Ion:112 Resp: 638907

Ion Ratio Lower Upper

112 100

114 31.2 20.6 38.4

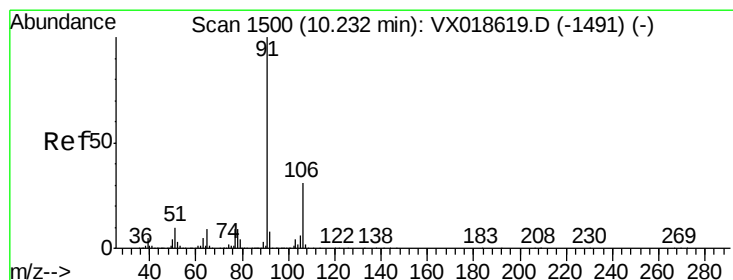
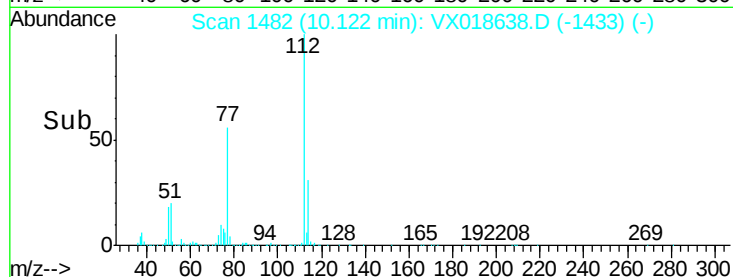
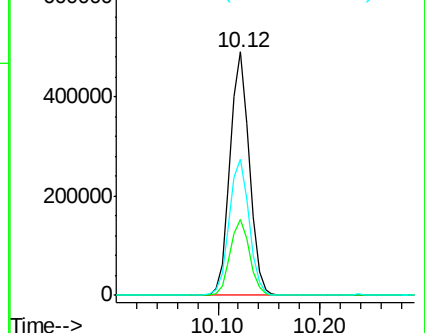
77 55.8 46.6 69.8



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V



#54

Ethylbenzene

Concen: 0.424 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VX018638.D

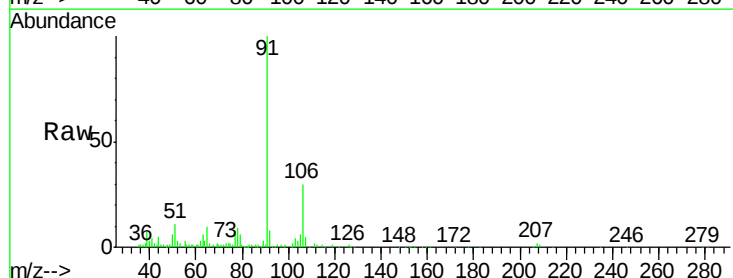
Acq: 29 Sep 2020 00:34

Tgt Ion: 91 Resp: 32175

Ion Ratio Lower Upper

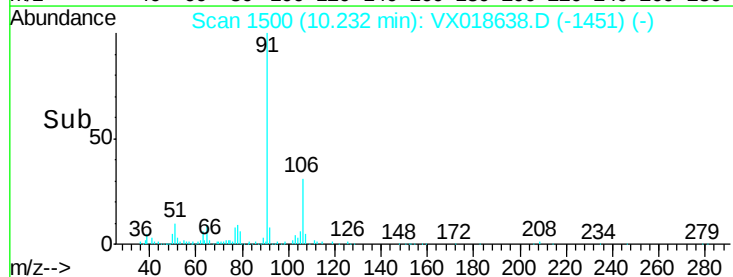
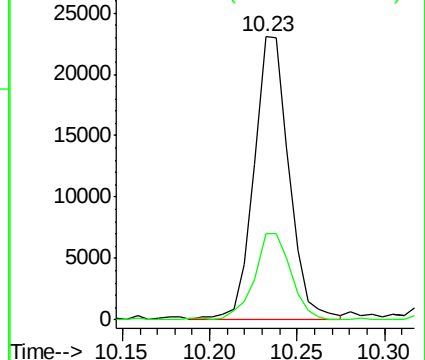
91 100

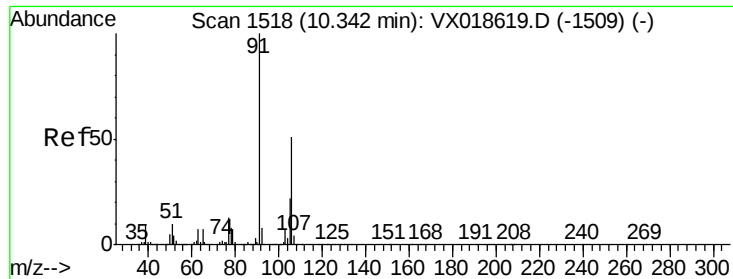
106 30.4 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 106.15 (105.85 to 106.85): V





#55

m,p-xylene

Concen: 0.842 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX018638.D

Acq: 29 Sep 2020 00:34

Instrument :

MSVOA_X

ClientSampled :

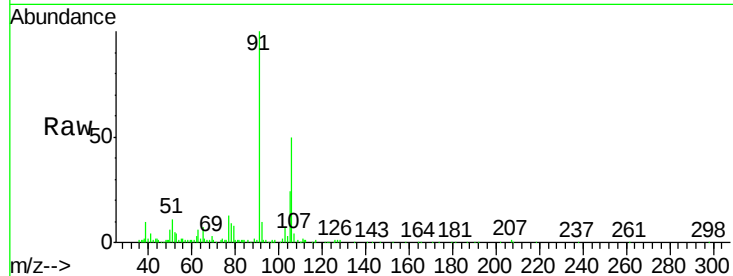
BG496

Tot Ion:106 Resp: 24440

Ion Ratio Lower Upper

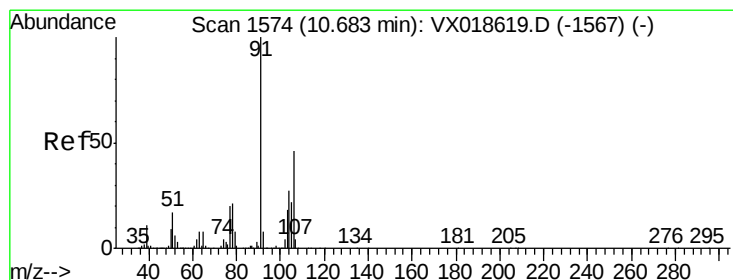
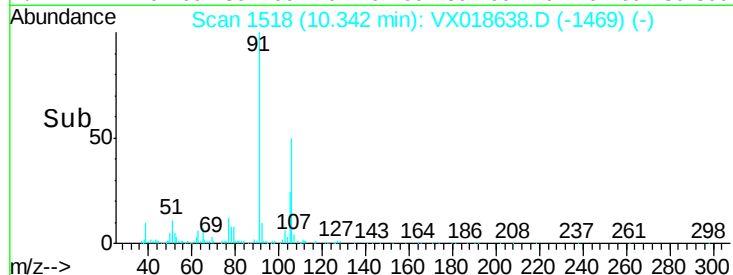
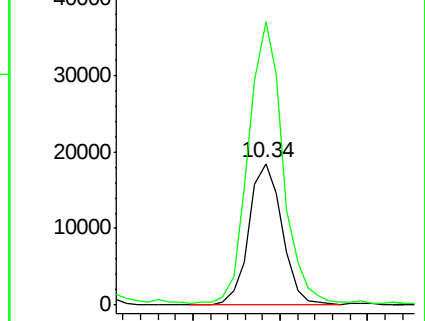
106 100

91 199.7 140.3 260.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#56

o-xylene

Concen: 0.281 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX018638.D

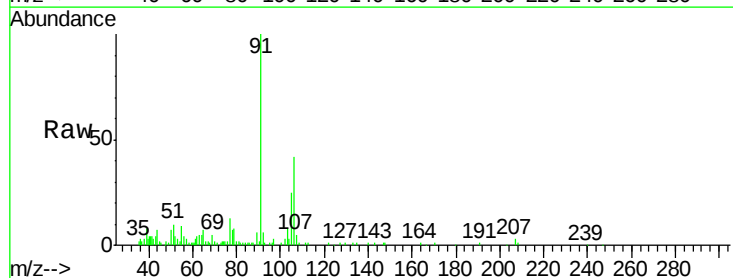
Acq: 29 Sep 2020 00:34

Tgt Ion:106 Resp: 7716

Ion Ratio Lower Upper

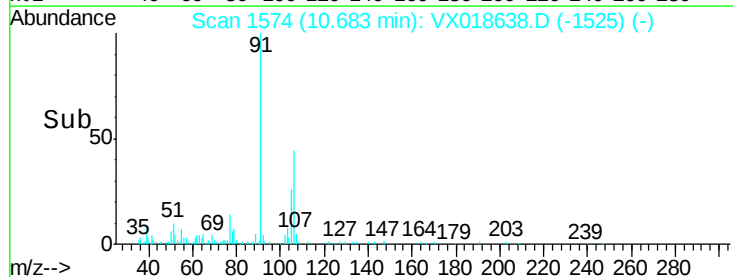
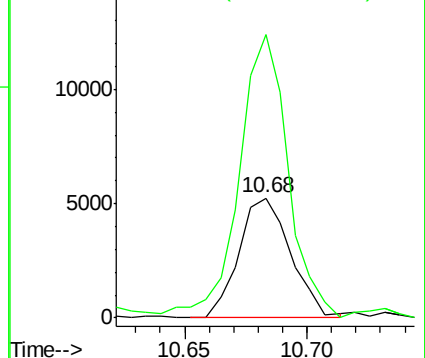
106 100

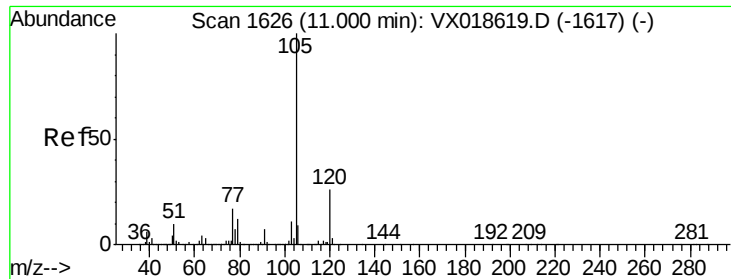
91 235.7 167.5 311.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0





#58

Isopropylbenzene

Concen: 0.637 ug/L

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX018638.D

Acq: 29 Sep 2020 00:34

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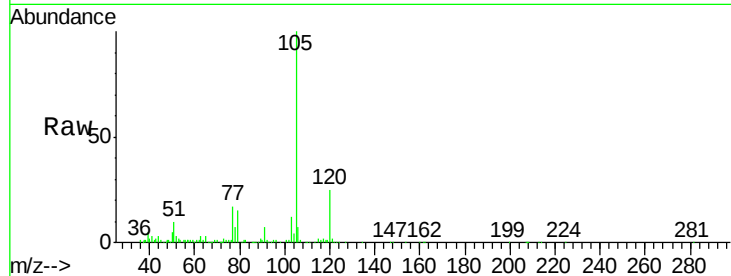
Tot Ion:105 Resp: 46809

Ion Ratio Lower Upper

105 100

120 25.0 21.2 31.8

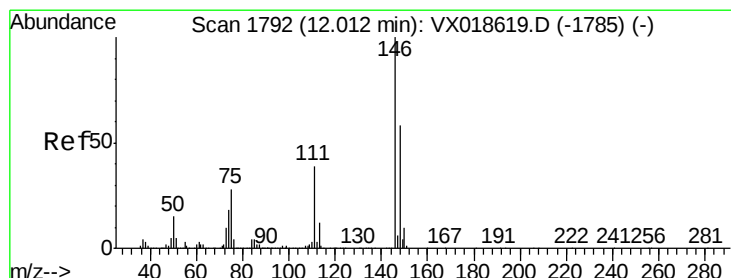
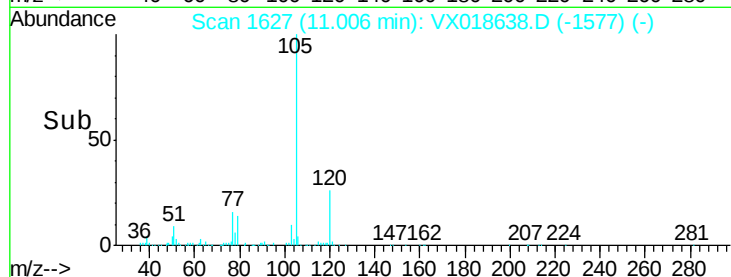
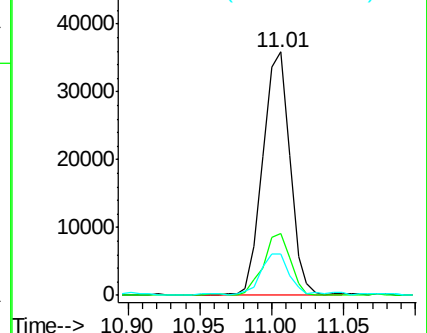
77 19.2 13.3 19.9



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



#63

1,3-Dichlorobenzene

Concen: 0.138 ug/L

RT: 12.01 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX018638.D

Acq: 29 Sep 2020 00:34

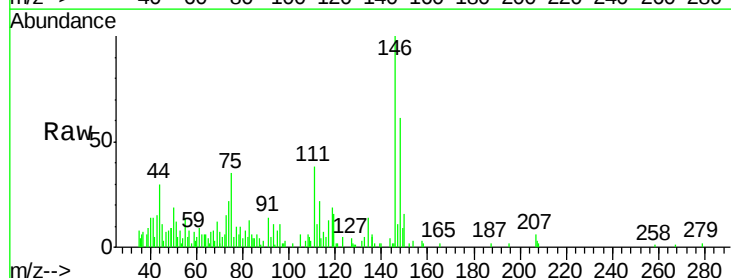
Tgt Ion:146 Resp: 5069

Ion Ratio Lower Upper

146 100

111 38.3 26.7 49.7

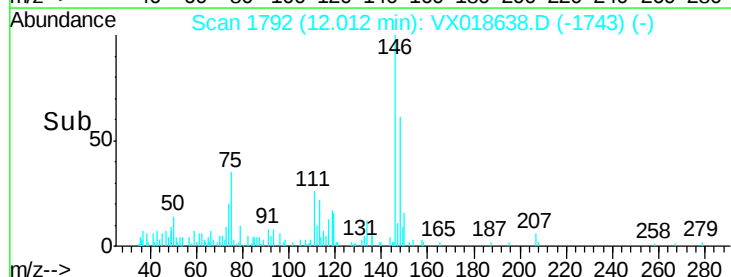
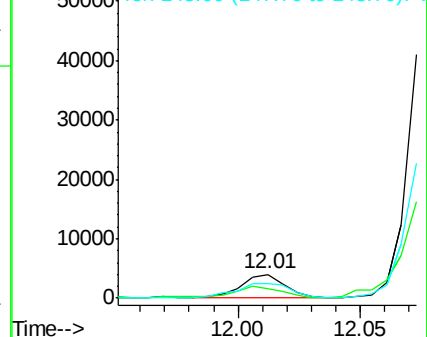
148 60.9 44.4 82.5

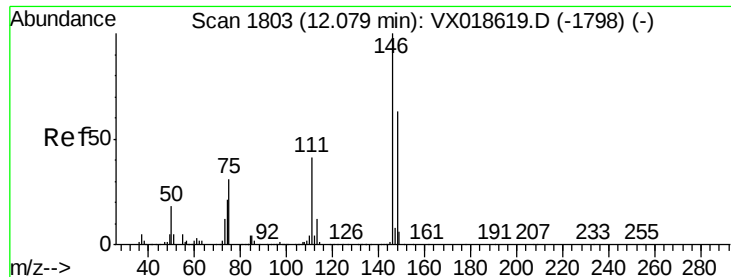


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

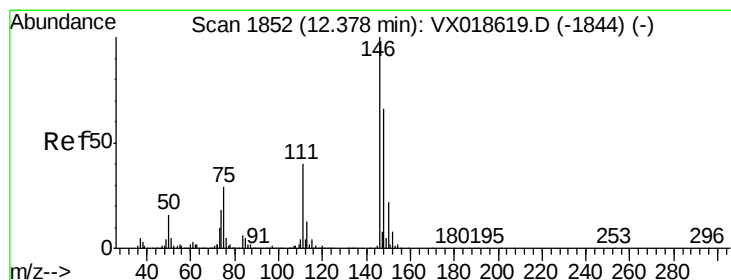
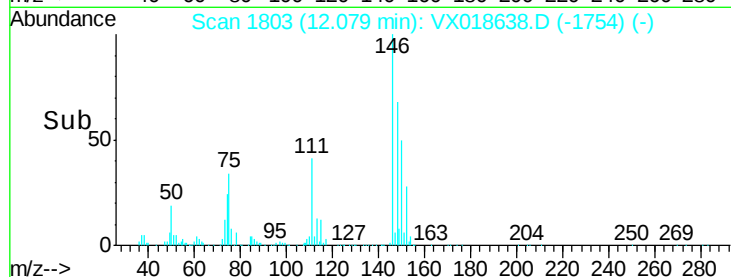
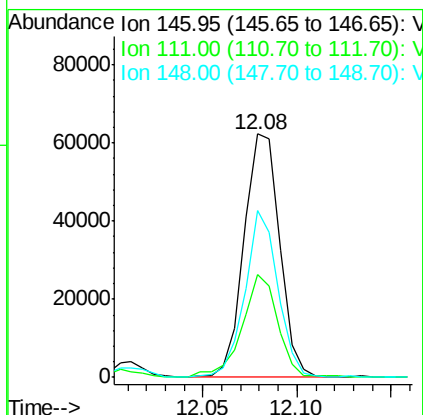
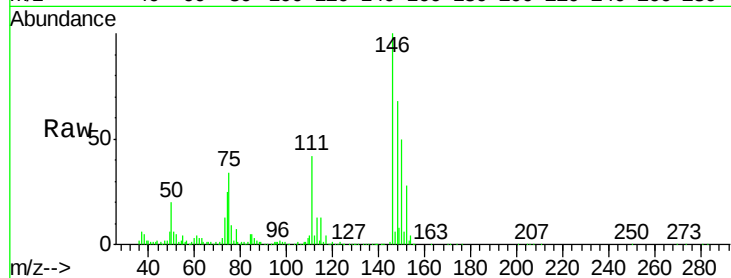




#64
 1,4-Dichlorobenzene
 Concen: 2.191 ug/L
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX018638.D
 Acq: 29 Sep 2020 00:34

Instrument :
 MSVOA_X
 ClientSampleId :
 BG496

Tot Ion:146 Resp: 81558
 Ion Ratio Lower Upper
 146 100
 111 42.3 28.8 53.4
 148 68.3 44.9 83.3



#66
 1,2-Dichlorobenzene
 Concen: 2.519 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX018638.D
 Acq: 29 Sep 2020 00:34

Tgt Ion:146 Resp: 86463
 Ion Ratio Lower Upper
 146 100
 111 42.5 33.6 50.4
 148 66.8 53.4 80.2

