

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092820\
 Data File : VX018622.D
 Acq On : 28 Sep 2020 18:06
 Operator : JC/SP
 Sample : L4135-02
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG0Q6

Quant Time: Sep 29 03:11:01 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	304036	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	278311	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	131045	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	66441	4.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.60%
7) Chloroethane-d5	1.70	69	56223	4.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.80%
11) 1,1-Dichloroethene-d2	2.34	63	113839	3.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.80%
20) 2-Butanone-d5	4.54	46	182051	44.87	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.74%
24) Chloroform-d	5.14	84	150223	3.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.60%
26) 1,2-Dichloroethane-d4	6.03	65	81584	3.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.20%
32) Benzene-d6	6.05	84	283204	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
36) 1,2-Dichloropropane-d6	7.37	67	85343	4.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.20%
41) Toluene-d8	8.70	98	257288	4.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.60%
45) trans-1,3-Dichloropropene-	8.99	79	35580	4.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.60%
48) 2-Hexanone-d5	9.43	63	143314	45.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.94%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	65134	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.40%
65) 1,2-Dichlorobenzene-d4	12.36	152	99131	4.63	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.60%

Target Compounds

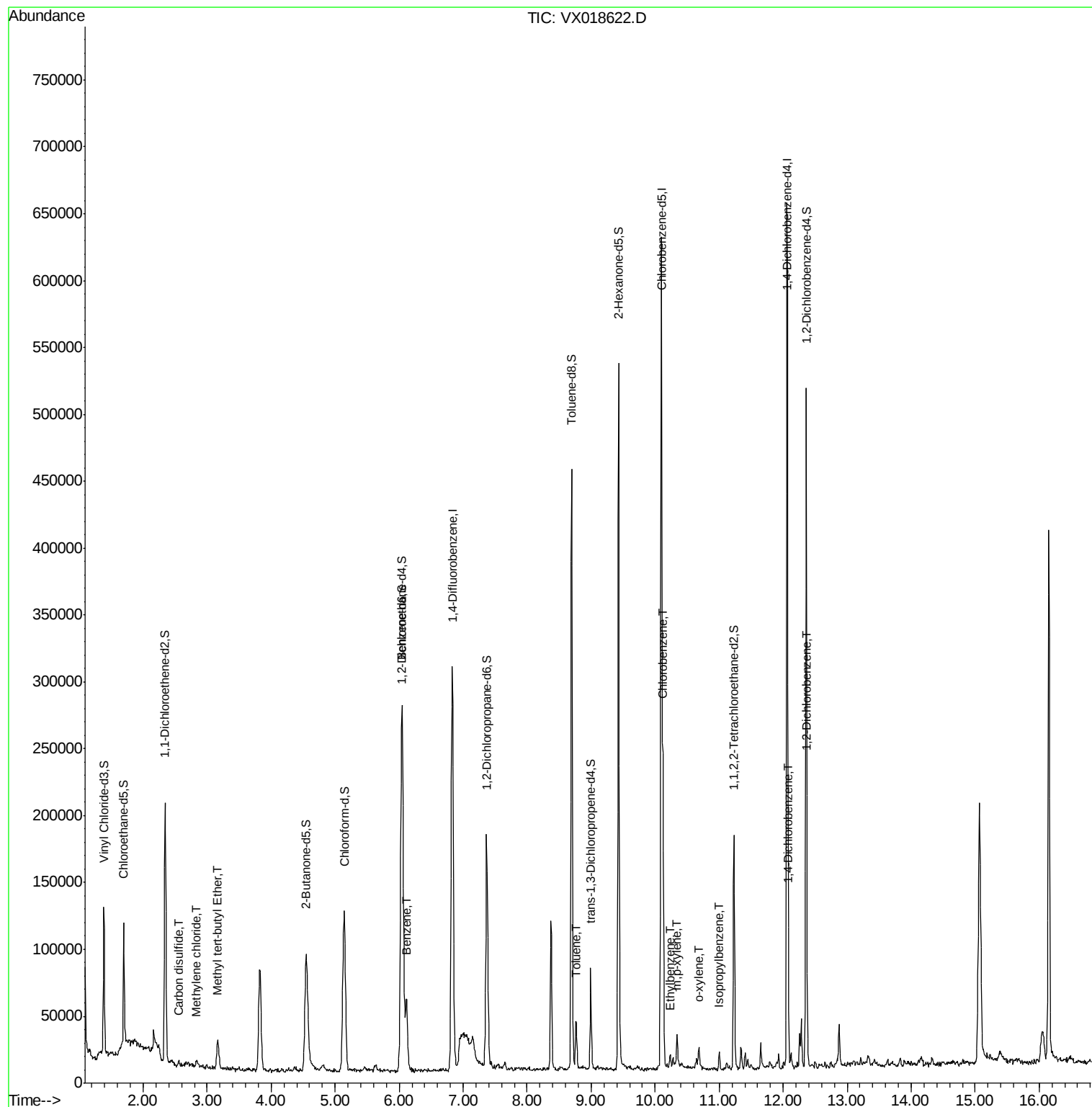
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
14) Carbon disulfide	2.56	76	5862	0.130	ug/L #	54
16) Methylene chloride	2.82	84	2794	0.138	ug/L #	62
17) Methyl tert-butyl Ether	3.17	73	23900	0.723	ug/L #	92
33) Benzene	6.12	78	62013	1.156	ug/L	100
42) Toluene	8.76	91	23327	0.402	ug/L	98
53) Chlorobenzene	10.12	112	94894	2.478	ug/L	97
54) Ethylbenzene	10.24	91	5229	0.083	ug/L	92
55) m,p-xylene	10.35	106	5555	0.230	ug/L	94
56) o-xylene	10.68	106	3746	0.164	ug/L	77
58) Isopropylbenzene	11.00	105	5869	0.096	ug/L #	84
64) 1,4-Dichlorobenzene	12.09	146	9105	0.316	ug/L	95
66) 1,2-Dichlorobenzene	12.38	146	5653	0.213	ug/L	93

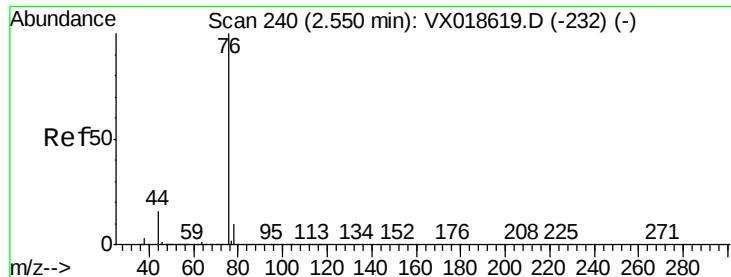
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#14

Carbon disulfide

Concen: 0.130 ug/L

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX018622.D

Acq: 28 Sep 2020 18:06

Instrument :

MSVOA_X

ClientSampleId :

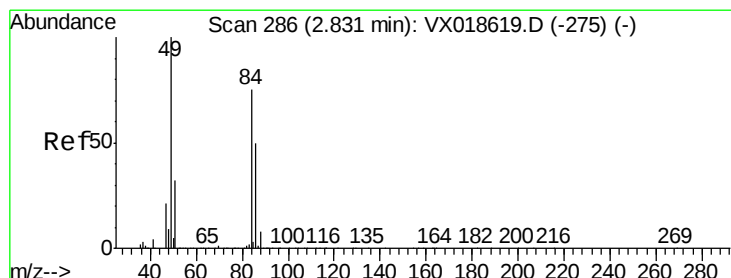
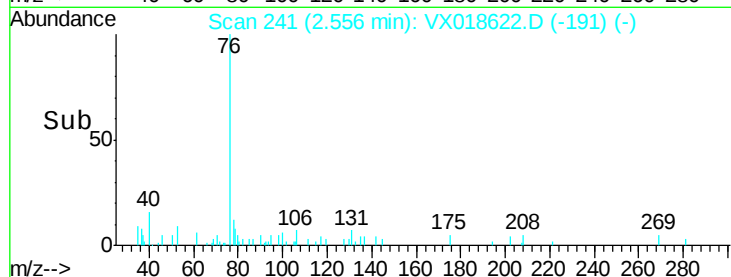
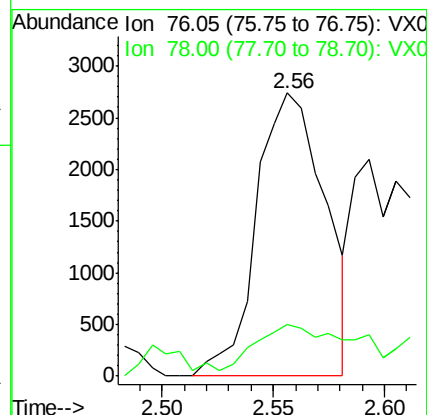
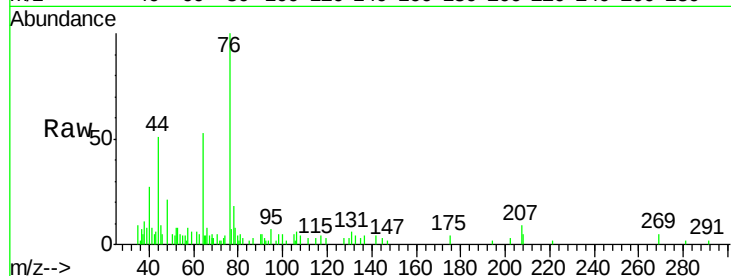
BG0Q6

Tot Ion: 76 Resp: 5862

Ion Ratio Lower Upper

76 100

78 26.0 7.4 11.0#



#16

Methylene chloride

Concen: 0.138 ug/L

RT: 2.82 min Scan# 285

Delta R.T. -0.01 min

Lab File: VX018622.D

Acq: 28 Sep 2020 18:06

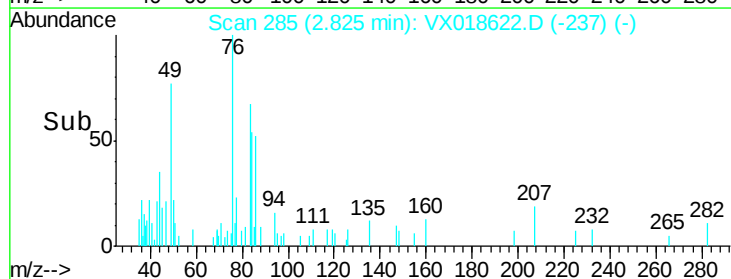
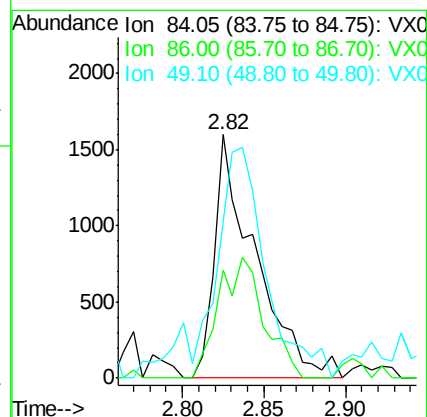
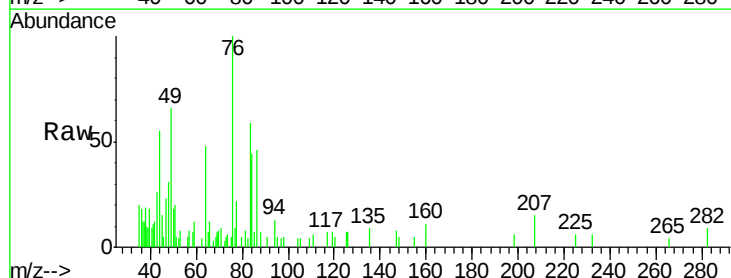
Tgt Ion: 84 Resp: 2794

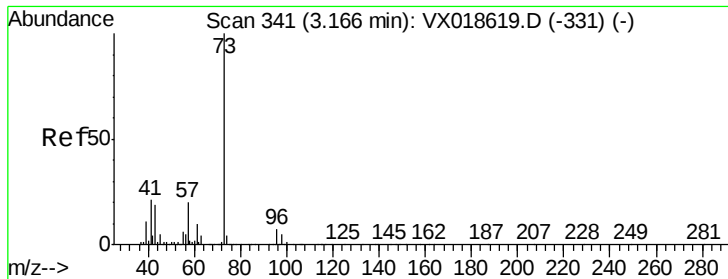
Ion Ratio Lower Upper

84 100

86 44.5 41.9 77.7

49 64.2 80.8 150.2#

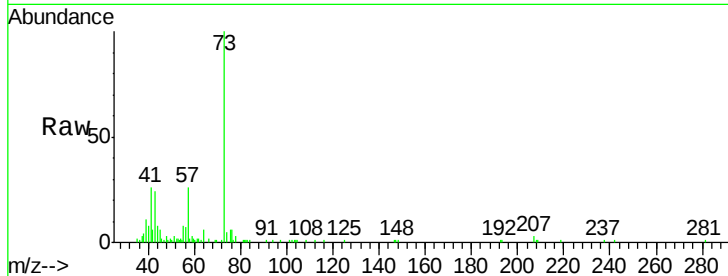




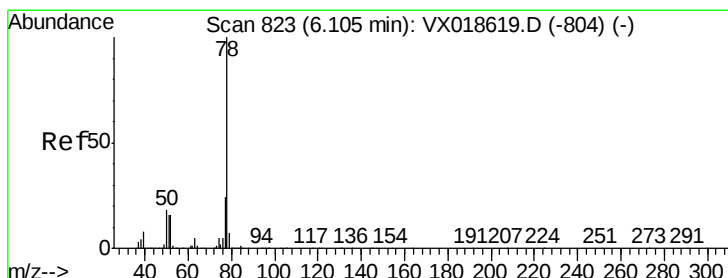
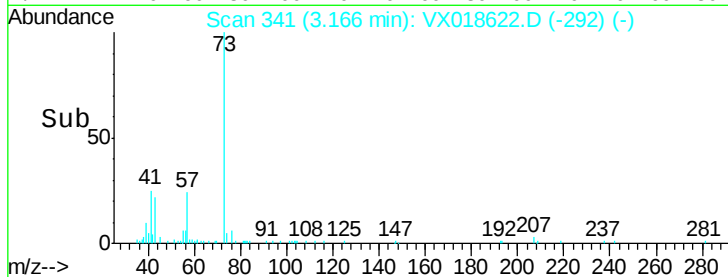
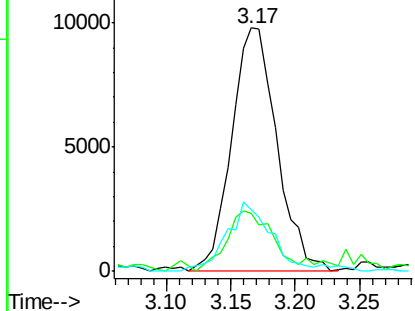
#17
Methvl tert-butvl Ether
Concen: 0.723 ug/L
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX018622.D
Acq: 28 Sep 2020 18:06

Instrument :
MSVOA_X
ClientSampleId :
BG0Q6

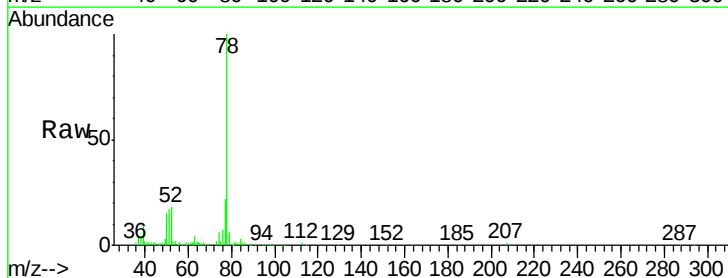
Tot Ion: 73 Resp: 23900
Ion Ratio Lower Upper
73 100
43 25.0 18.6 27.8
57 27.5 17.3 25.9#



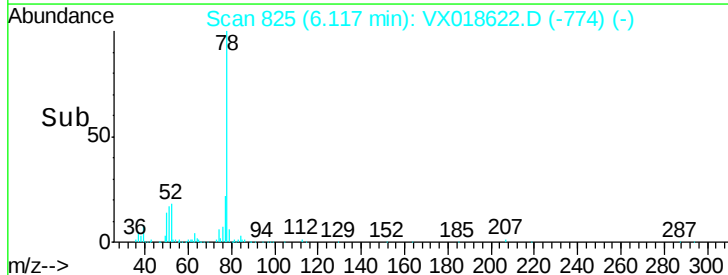
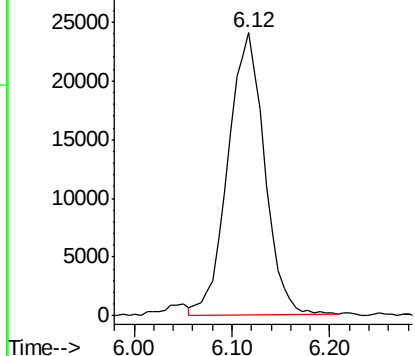
Abundance Ion 73.10 (72.80 to 73.80): VX0
Ion 43.05 (42.75 to 43.75): VX0
Ion 57.10 (56.80 to 57.80): VX0

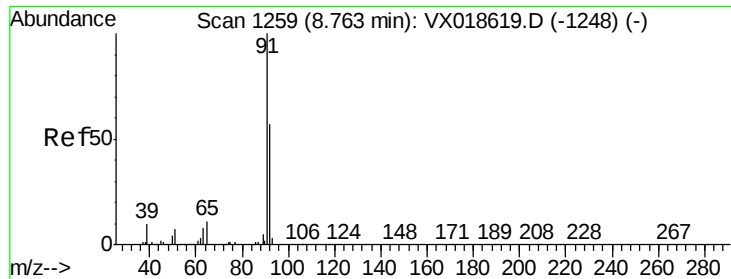


#33
Benzene
Concen: 1.156 ug/L
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX018622.D
Acq: 28 Sep 2020 18:06
Tgt Ion: 78 Resp: 62013



Abundance Ion 78.10 (77.80 to 78.80): VX0





#42

Toluene

Concen: 0.402 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX018622.D

Acq: 28 Sep 2020 18:06

Instrument :

MSVOA_X

ClientSampleId :

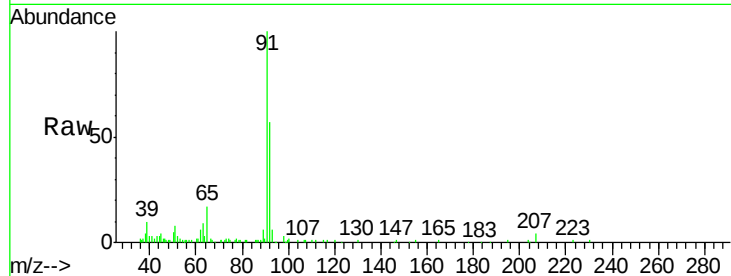
BG0Q6

Tot Ion: 91 Resp: 23327

Ion Ratio Lower Upper

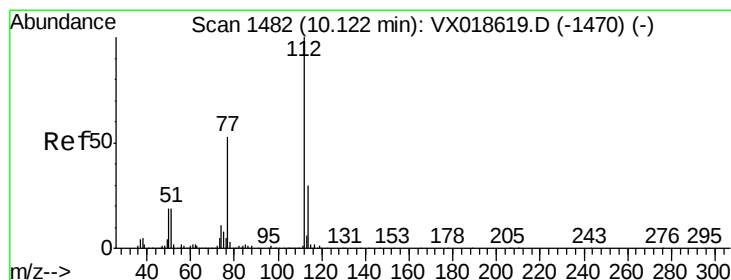
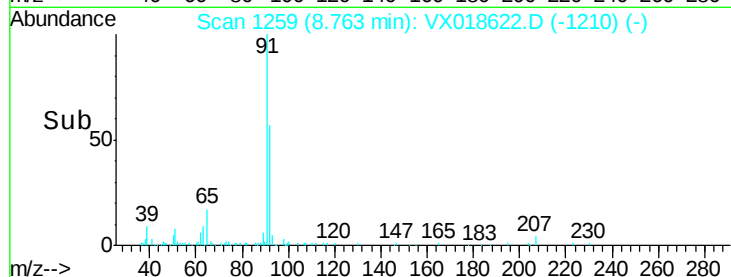
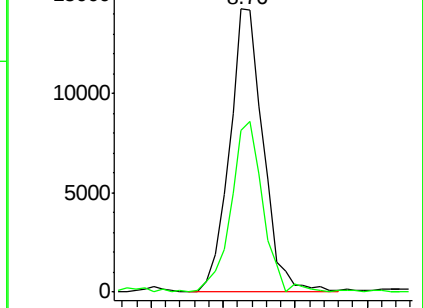
91 100

92 57.4 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: 2.478 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX018622.D

Acq: 28 Sep 2020 18:06

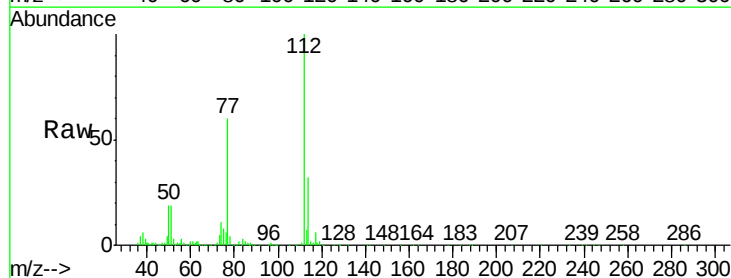
Tgt Ion: 112 Resp: 94894

Ion Ratio Lower Upper

112 100

114 32.4 20.6 38.4

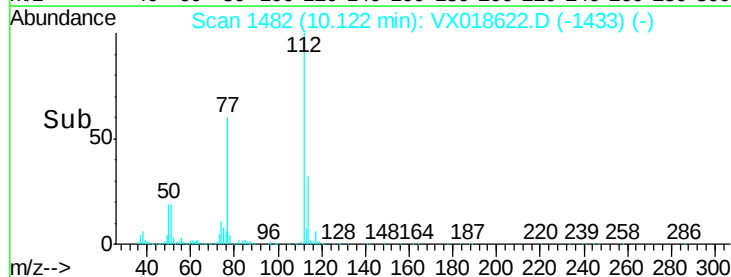
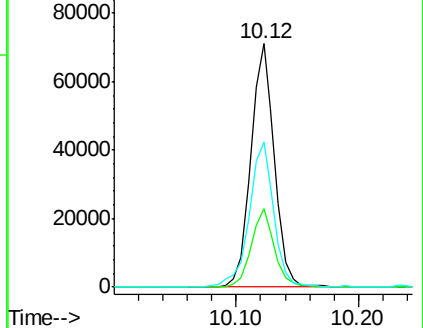
77 59.7 46.6 69.8

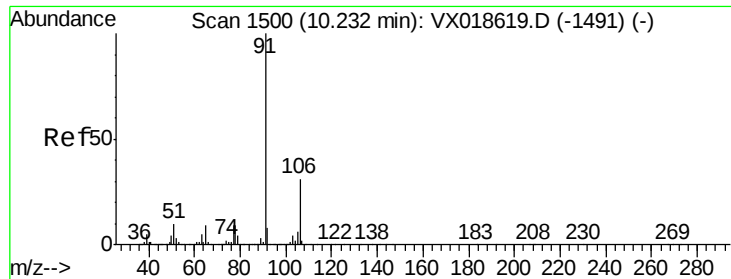


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VX0





#54

Ethylbenzene

Concen: 0.083 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX018622.D

Acq: 28 Sep 2020 18:06

Instrument :

MSVOA_X

ClientSampleId :

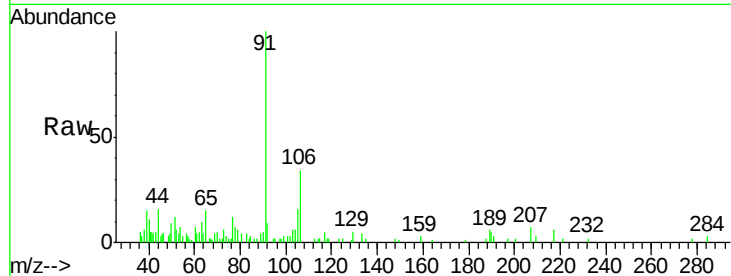
BG0Q6

Tot Ion: 91 Resp: 5229

Ion Ratio Lower Upper

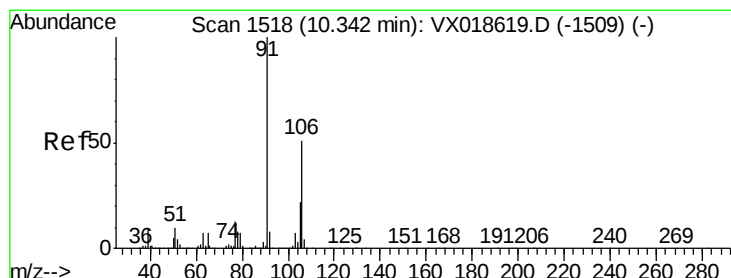
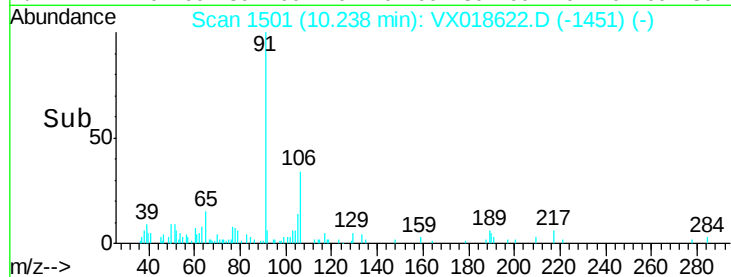
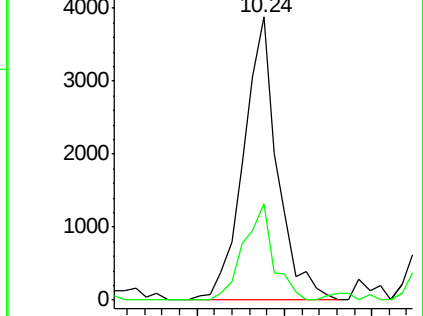
91 100

106 34.3 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: 0.230 ug/L

RT: 10.35 min Scan# 1519

Delta R.T. 0.01 min

Lab File: VX018622.D

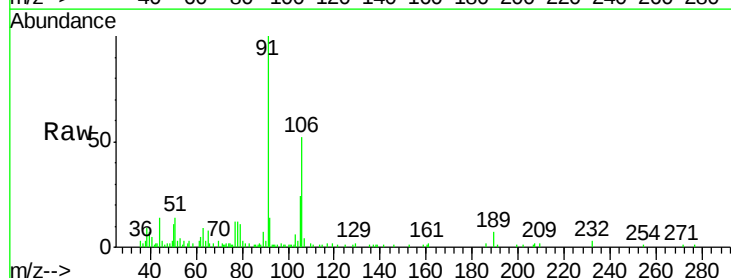
Acq: 28 Sep 2020 18:06

Tgt Ion: 106 Resp: 5555

Ion Ratio Lower Upper

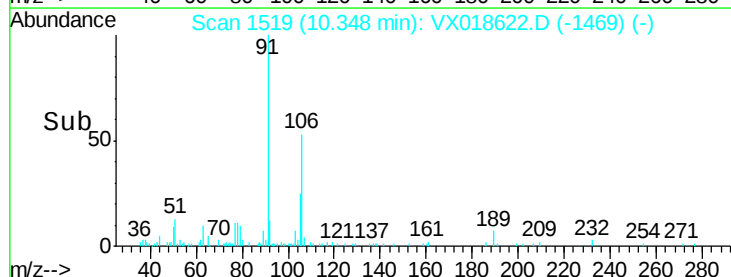
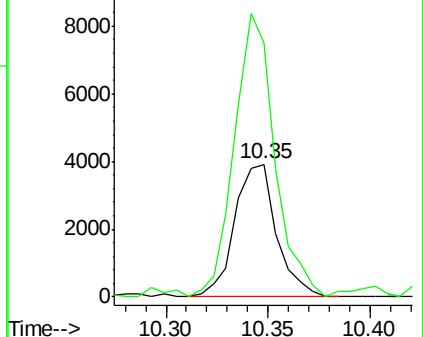
106 100

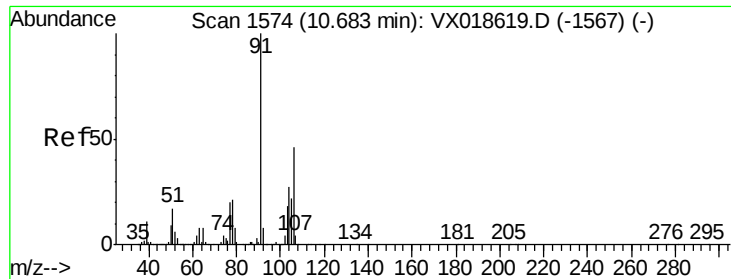
91 191.8 140.3 260.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0

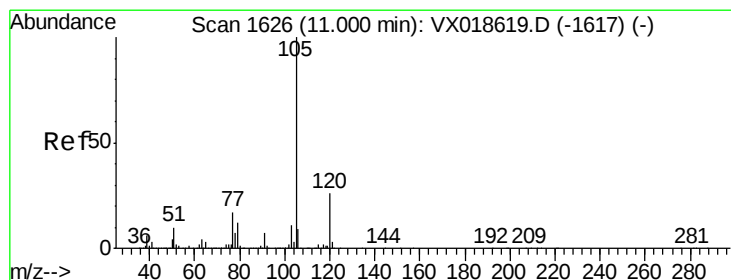
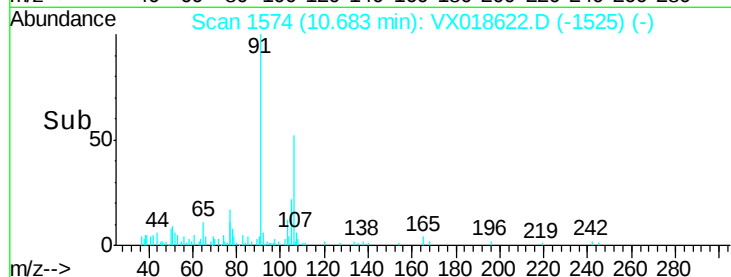
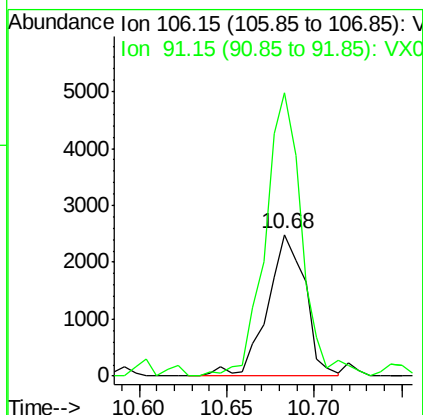
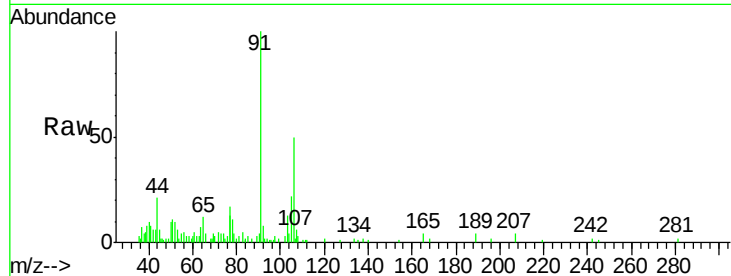




#56
o-xylene
Concen: 0.164 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX018622.D
Acq: 28 Sep 2020 18:06

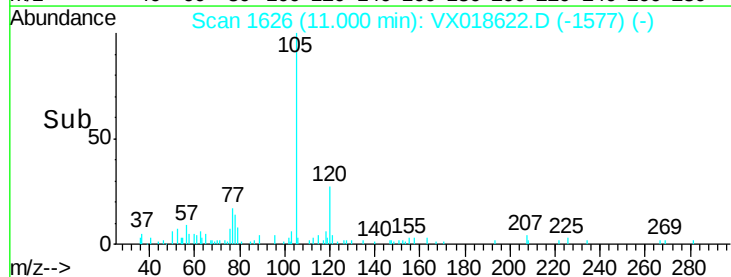
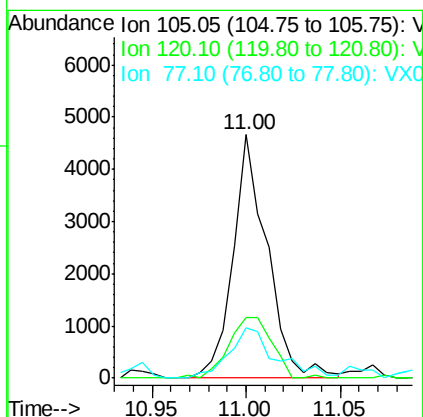
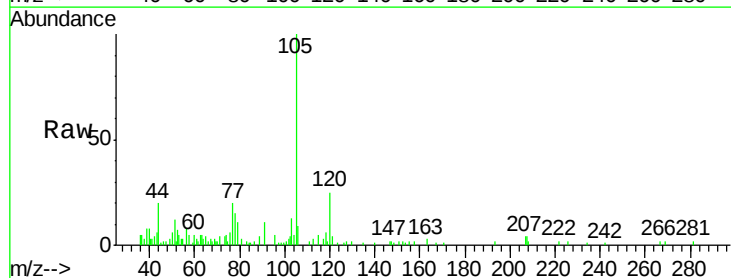
Instrument :
MSVOA_X
ClientSampled :
BG0Q6

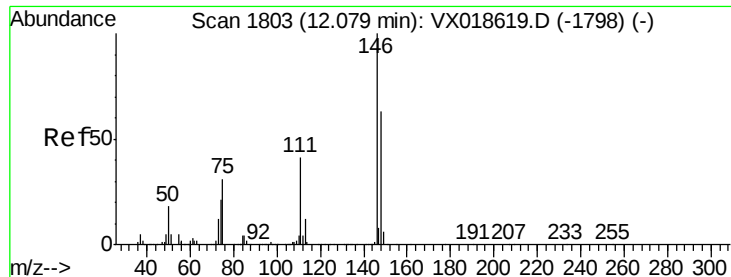
Tot Ion:106 Resp: 3746
Ion Ratio Lower Upper
106 100
91 199.8 167.5 311.1



#58
Isopropylbenzene
Concen: 0.096 ug/L
RT: 11.00 min Scan# 1626
Delta R.T. 0.00 min
Lab File: VX018622.D
Acq: 28 Sep 2020 18:06

Tgt Ion:105 Resp: 5869
Ion Ratio Lower Upper
105 100
120 31.4 21.2 31.8
77 28.4 13.3 19.9#





#64

1,4-Dichlorobenzene

Concen: 0.316 ug/L

RT: 12.09 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VX018622.D

Acq: 28 Sep 2020 18:06

Instrument :

MSVOA_X

ClientSampleId :

BG0Q6

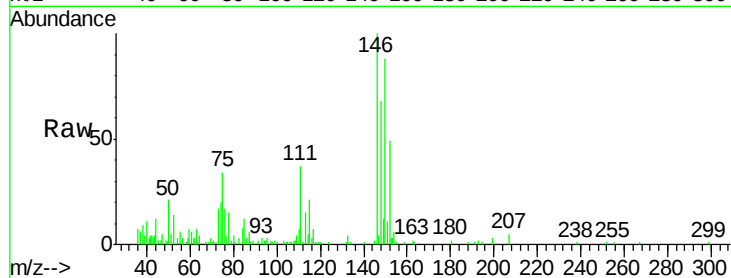
Tot Ion:146 Resp: 9105

Ion Ratio Lower Upper

146 100

111 37.2 28.8 53.4

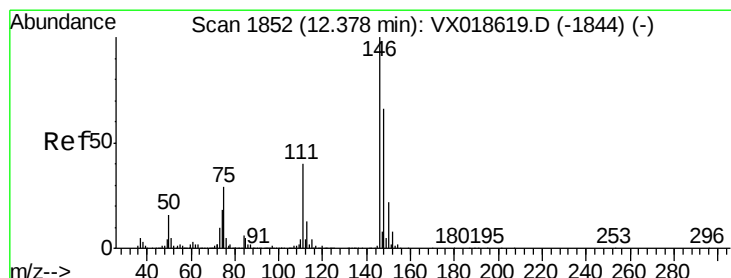
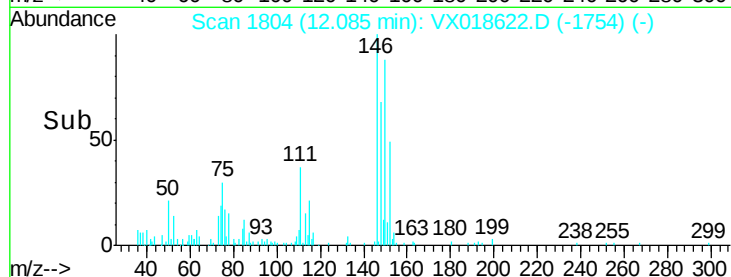
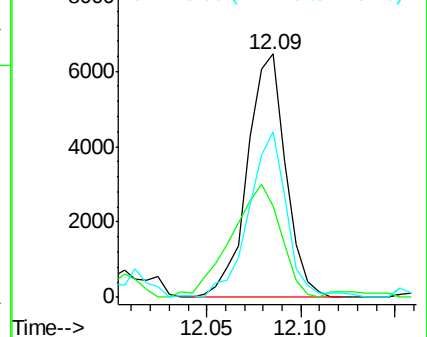
148 67.8 44.9 83.3



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: 0.213 ug/L

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX018622.D

Acq: 28 Sep 2020 18:06

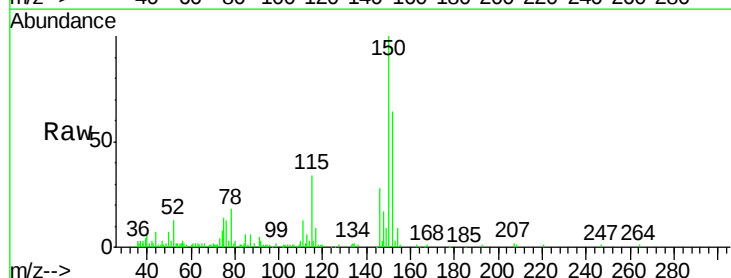
Tgt Ion:146 Resp: 5653

Ion Ratio Lower Upper

146 100

111 45.7 33.6 50.4

148 60.8 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

