

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092820\
 Data File : VX018631.D
 Acq On : 28 Sep 2020 21:44
 Operator : JC/SP
 Sample : L4135-11
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG484

Quant Time: Sep 29 02:40:41 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	299380	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	285619	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	131243	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	67812	4.33	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.60%
7) Chloroethane-d5	1.70	69	55925	4.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.60%
11) 1,1-Dichloroethene-d2	2.34	63	115266	3.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.60%
20) 2-Butanone-d5	4.55	46	197368	49.41	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.82%
24) Chloroform-d	5.14	84	157783	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.00%
26) 1,2-Dichloroethane-d4	6.03	65	86199	3.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.80%
32) Benzene-d6	6.05	84	299650	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
36) 1,2-Dichloropropane-d6	7.37	67	91821	4.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.40%
41) Toluene-d8	8.70	98	272893	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.20%
45) trans-1,3-Dichloropropene-	8.99	79	36862	4.12	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.40%
48) 2-Hexanone-d5	9.43	63	155326	48.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.10%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	66448	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.80%
65) 1,2-Dichlorobenzene-d4	12.36	152	101487	4.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

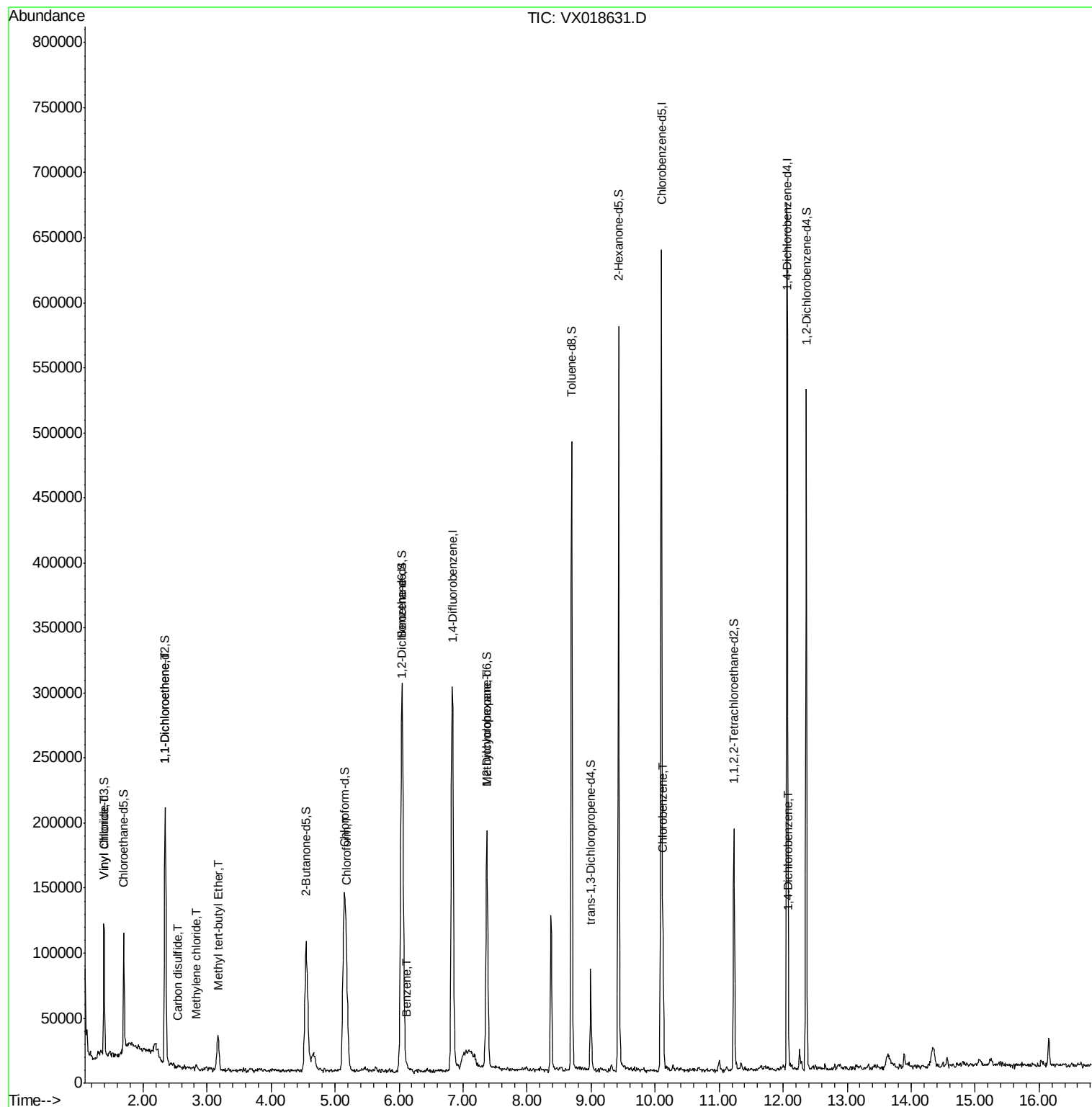
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.39	62	895	0.055	ug/L #	1
12) 1,1-Dichloroethene	2.34	96	1943	0.133	ug/L #	1
14) Carbon disulfide	2.55	76	3037	0.068	ug/L	98
16) Methylene chloride	2.84	84	1969	0.099	ug/L	79
17) Methyl tert-butyl Ether	3.17	73	31264	0.961	ug/L	95
25) Chloroform	5.18	83	86945	3.036	ug/L	97
33) Benzene	6.12	78	4295	0.078	ug/L	100
35) Methylcyclohexane	7.37	83	21540	0.972	ug/L #	17
53) Chlorobenzene	10.12	112	41253	1.050	ug/L	96
64) 1,4-Dichlorobenzene	12.09	146	3055	0.106	ug/L #	80

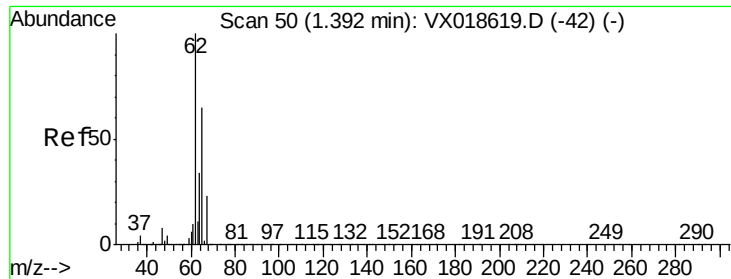
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.055 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018631.D

Acq: 28 Sep 2020 21:44

Instrument :

MSVOA_X

ClientSampled :

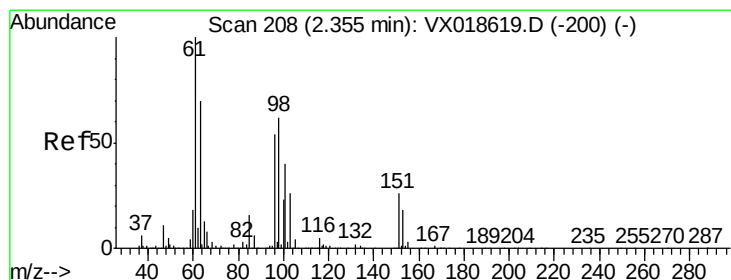
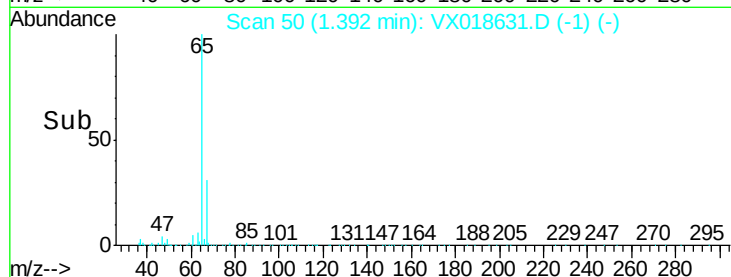
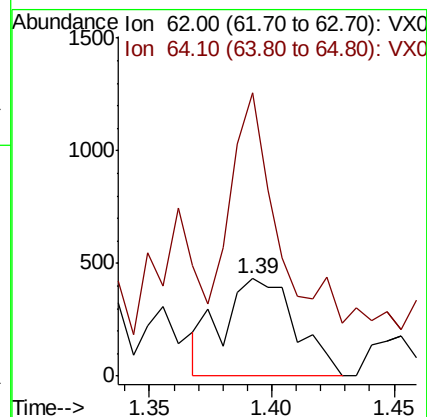
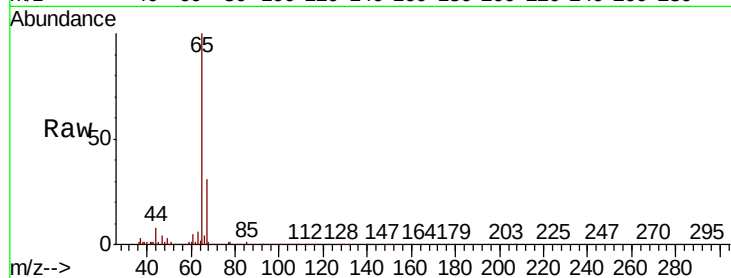
BG484

Tot Ion: 62 Resp: 895

Ion Ratio Lower Upper

62 100

64 291.0 23.6 43.8#



#12

1,1-Dichloroethene

Concen: 0.133 ug/L

RT: 2.34 min Scan# 206

Delta R.T. -0.01 min

Lab File: VX018631.D

Acq: 28 Sep 2020 21:44

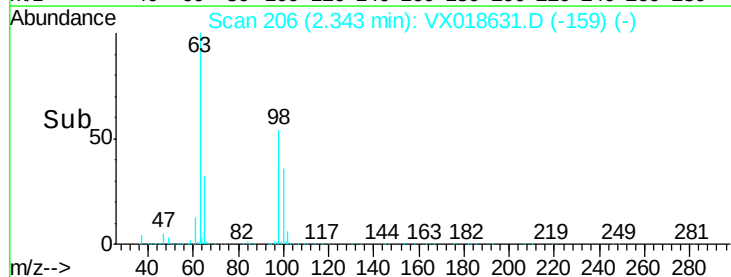
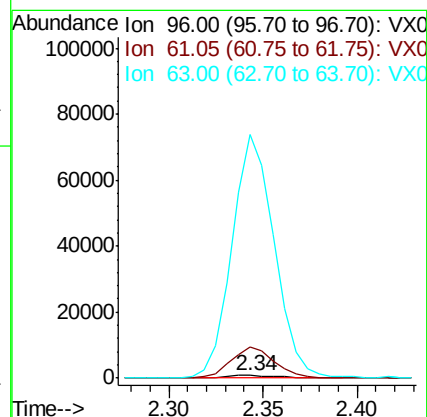
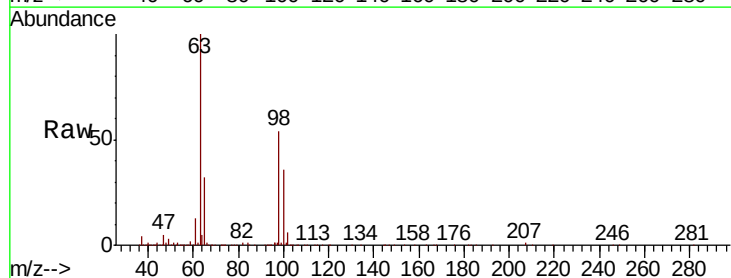
Tgt Ion: 96 Resp: 1943

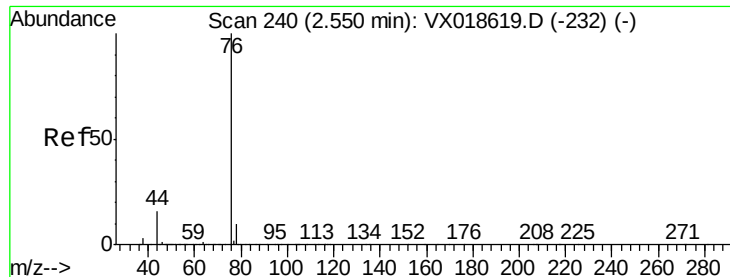
Ion Ratio Lower Upper

96 100

61 1088.3 123.8 229.8#

63 8442.1 104.7 194.4#





#14

Carbon disulfide

Concen: 0.068 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX018631.D

Acq: 28 Sep 2020 21:44

Instrument :

MSVOA_X

ClientSampleId :

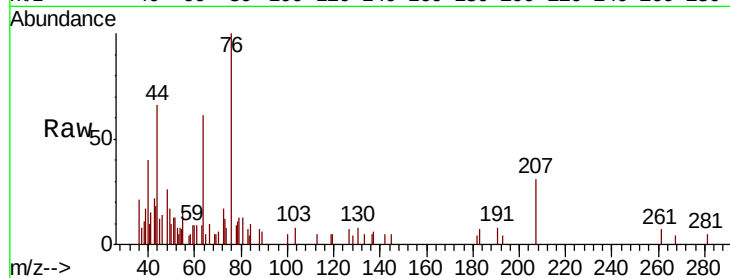
BG484

Tot Ion: 76 Resp: 3037

Ion Ratio Lower Upper

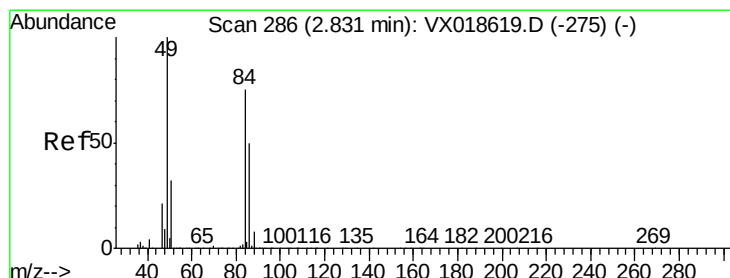
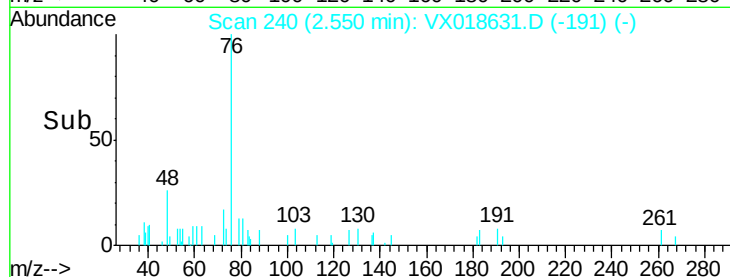
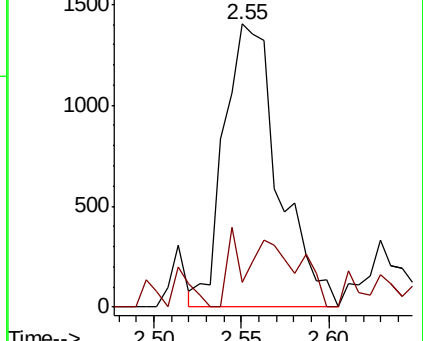
76 100

78 8.6 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0



#16

Methylene chloride

Concen: 0.099 ug/L

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX018631.D

Acq: 28 Sep 2020 21:44

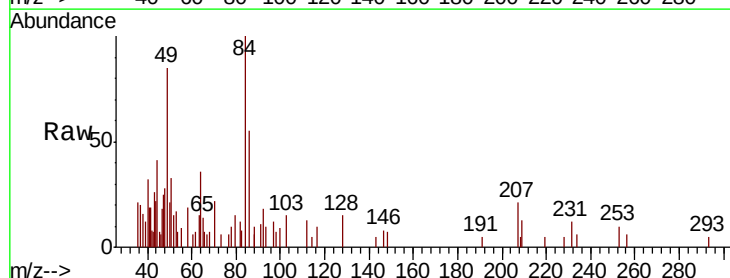
Tgt Ion: 84 Resp: 1969

Ion Ratio Lower Upper

84 100

86 54.5 41.9 77.7

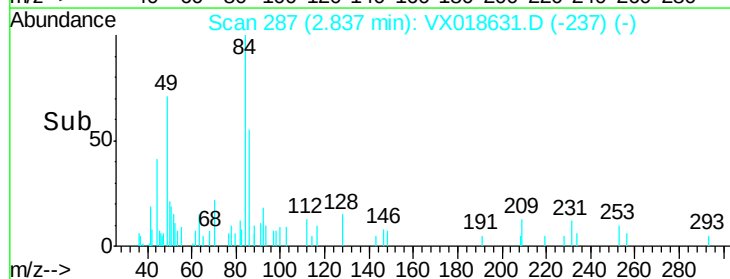
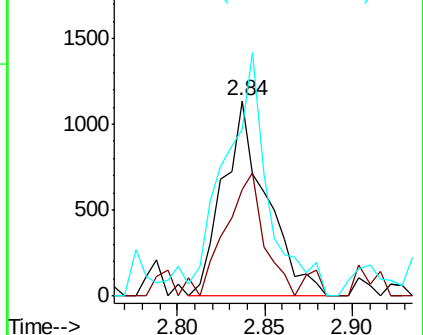
49 85.3 80.8 150.2

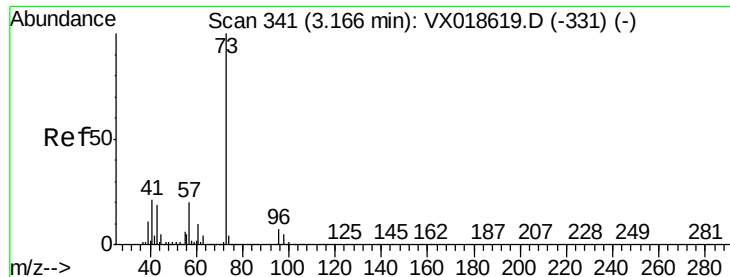


Abundance Ion 84.05 (83.75 to 84.75): VX0

Ion 86.00 (85.70 to 86.70): VX0

Ion 49.10 (48.80 to 49.80): VX0

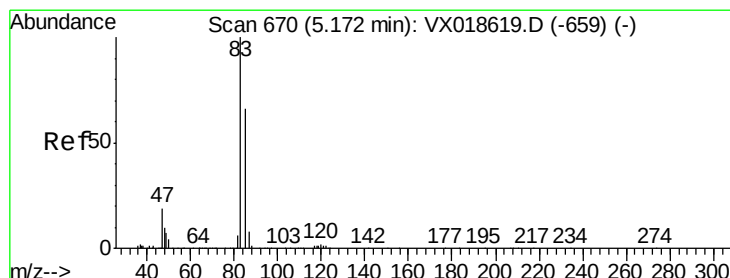
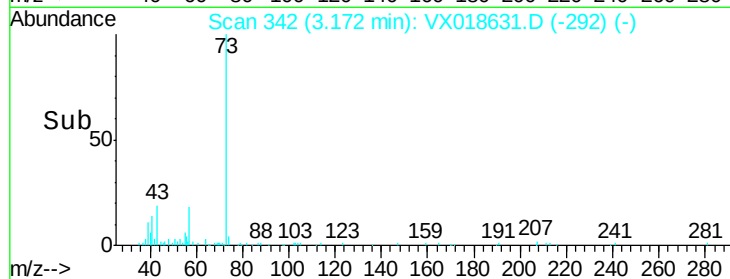
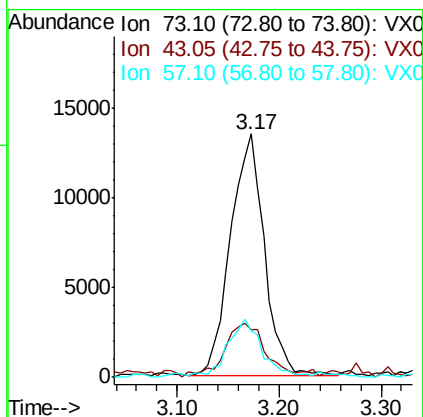
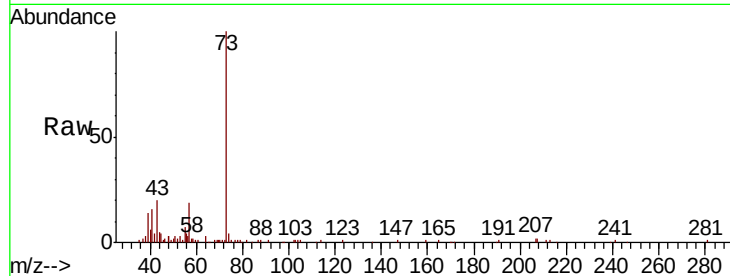




#17
Methyl tert-butyl Ether
Concen: 0.961 ug/L
RT: 3.17 min Scan# 342
Delta R.T. 0.01 min
Lab File: VX018631.D
Acq: 28 Sep 2020 21:44

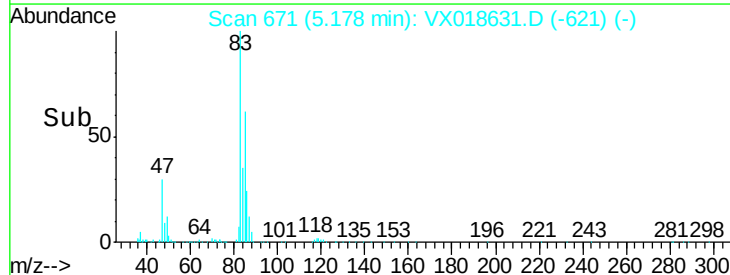
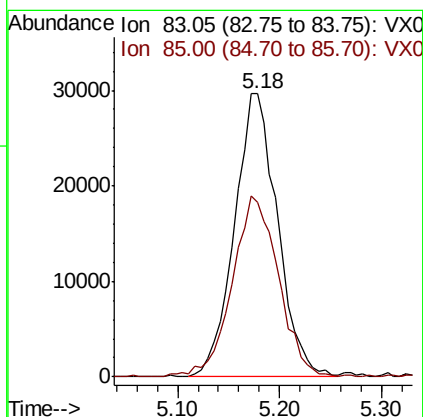
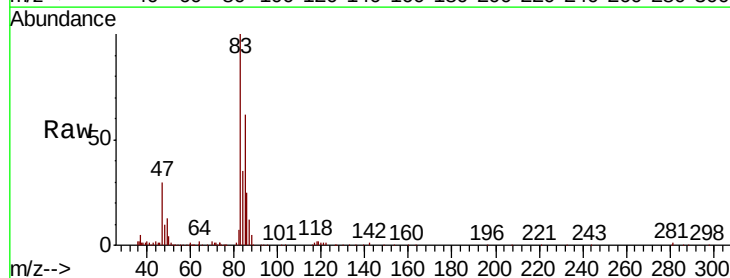
Instrument :
MSVOA_X
ClientSampled :
BG484

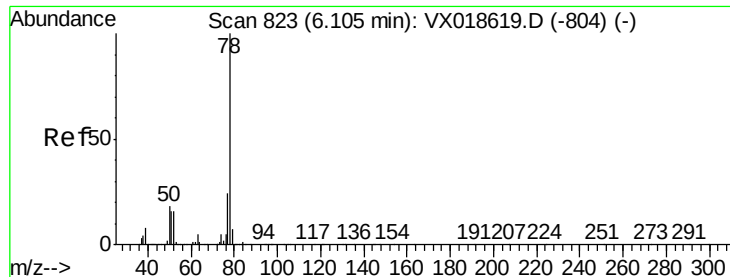
Tot Ion: 73 Resp: 31264
Ion Ratio Lower Upper
73 100
43 27.1 18.6 27.8
57 22.3 17.3 25.9



#25
Chloroform
Concen: 3.036 ug/L
RT: 5.18 min Scan# 671
Delta R.T. 0.01 min
Lab File: VX018631.D
Acq: 28 Sep 2020 21:44

Tgt Ion: 83 Resp: 86945
Ion Ratio Lower Upper
83 100
85 61.8 41.8 77.6





#33

Benzene

Concen: 0.078 ug/L

RT: 6.12 min Scan# 825

Delta R.T. 0.01 min

Lab File: VX018631.D

Acq: 28 Sep 2020 21:44

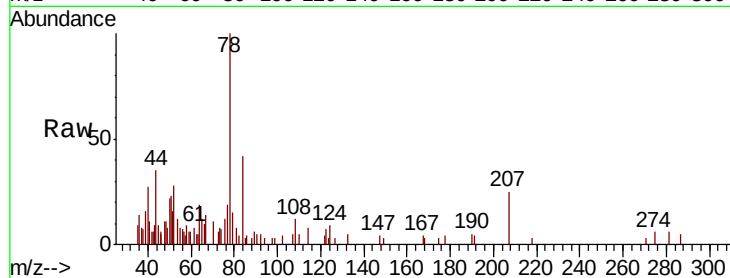
Instrument :

MSVOA_X

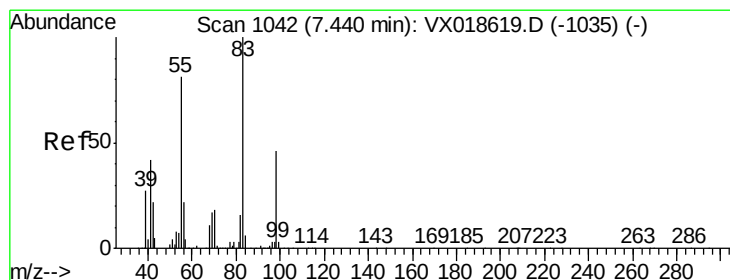
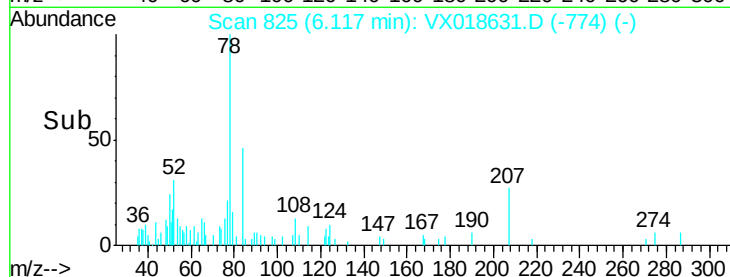
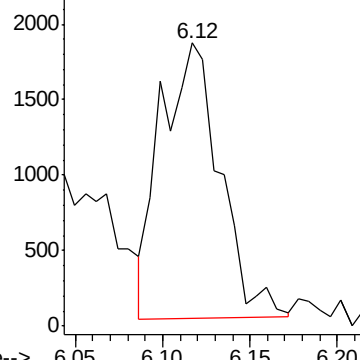
ClientSampleId :

BG484

Tgt Ion: 78 Resp: 4295



Abundance Ion 78.10 (77.80 to 78.80): VX0



#35

Methylcyclohexane

Concen: 0.972 ug/L

RT: 7.37 min Scan# 1031

Delta R.T. -0.07 min

Lab File: VX018631.D

Acq: 28 Sep 2020 21:44

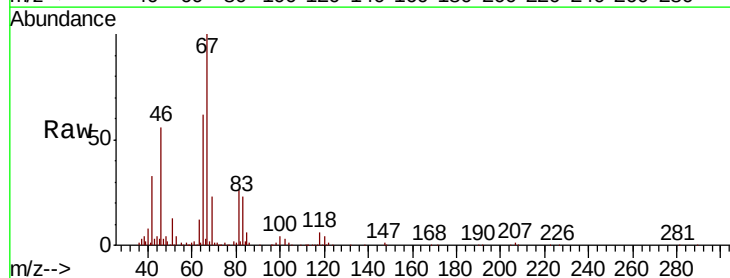
Tgt Ion: 83 Resp: 21540

Ion Ratio Lower Upper

83 100

55 2.6 67.4 101.0#

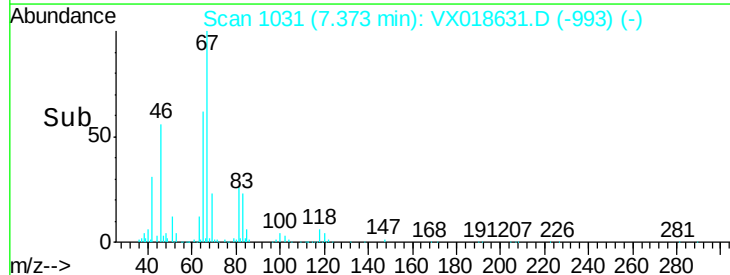
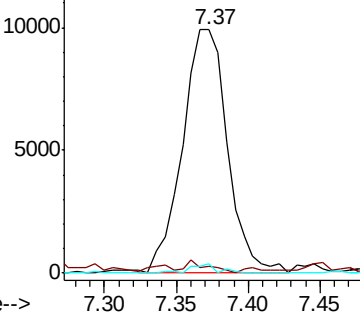
98 2.2 41.1 61.7#

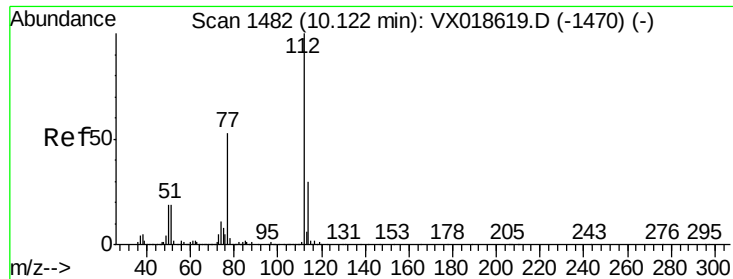


Abundance Ion 83.15 (82.85 to 83.85): VX0

Ion 55.10 (54.80 to 55.80): VX0

Ion 98.15 (97.85 to 98.85): VX0





#53

Chlorobenzene

Concen: 1.050 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX018631.D

Acq: 28 Sep 2020 21:44

Instrument :

MSVOA_X

ClientSampleId :

BG484

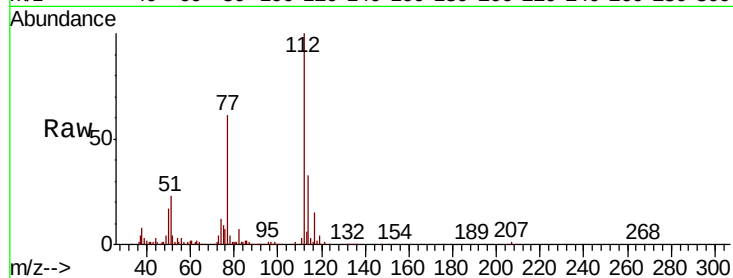
Tot Ion:112 Resp: 41253

Ion Ratio Lower Upper

112 100

114 32.7 20.6 38.4

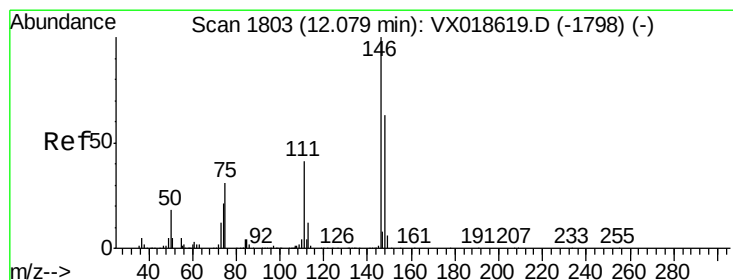
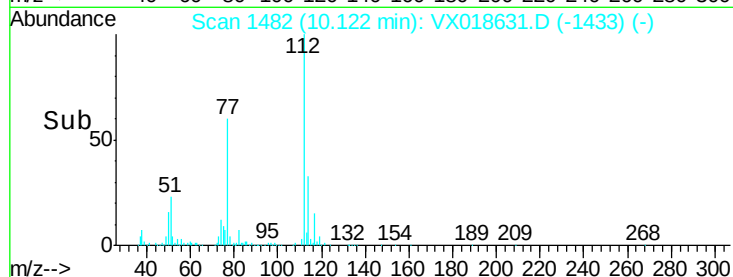
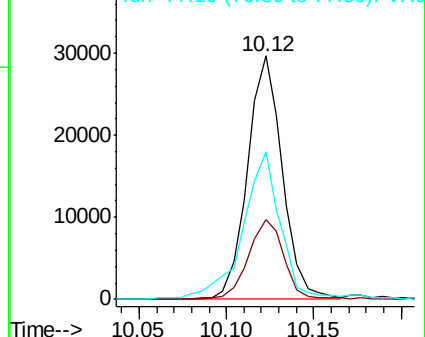
77 60.5 46.6 69.8



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



#64

1,4-Dichlorobenzene

Concen: 0.106 ug/L

RT: 12.09 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VX018631.D

Acq: 28 Sep 2020 21:44

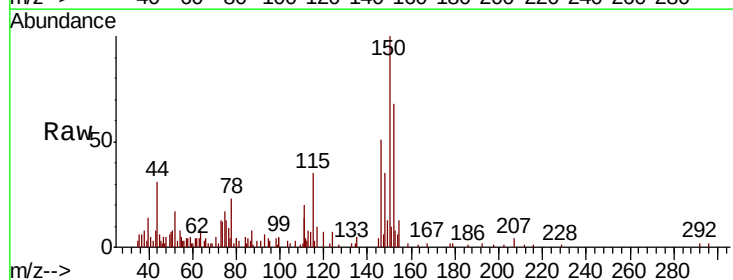
Tgt Ion:146 Resp: 3055

Ion Ratio Lower Upper

146 100

111 65.9 28.8 53.4#

148 69.5 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

