

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VOX092920\
 Data File : VX018682.D
 Acq On : 30 Sep 2020 01:56
 Operator : JC/SP
 Sample : L4135-07DL 100X
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 30 07:14:09 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	233011	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	232581	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	105719	5.00	ug/L	0.00

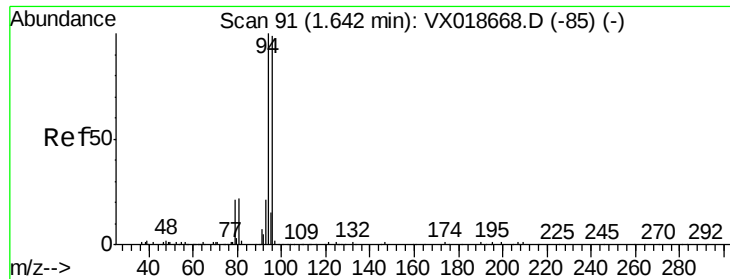
System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	50698	4.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.20%
7) Chloroethane-d5	1.70	69	47760	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.00%
11) 1,1-Dichloroethene-d2	2.34	63	99249	3.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.60%
20) 2-Butanone-d5	4.56	46	165112	53.10	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.20%
24) Chloroform-d	5.14	84	135803	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	6.03	65	76022	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
32) Benzene-d6	6.05	84	243390	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
36) 1,2-Dichloropropane-d6	7.37	67	74478	4.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.00%
41) Toluene-d8	8.70	98	211750	3.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.20%
45) trans-1,3-Dichloropropene-	8.99	79	29160	4.01	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.20%
48) 2-Hexanone-d5	9.43	63	126607	48.59	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.18%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	58448	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
65) 1,2-Dichlorobenzene-d4	12.36	152	84344	4.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.60%

Target Compounds

					Ovalue
6) Bromomethane	1.65	94	785	0.104 ug/L	72
8) Chloroethane	1.71	64	2213	0.319 ug/L	100
13) Acetone	2.47	43	1620	0.941 ug/L	97
15) Methyl Acetate	2.78	43	489	0.103 ug/L #	77
16) Methylene chloride	2.83	84	4847	0.312 ug/L	78
27) 1,2-Dichloroethane	6.06	62	2579	0.183 ug/L	97
33) Benzene	6.12	78	9256	0.206 ug/L	100
43) 1,3,5-Trimethylbenzene	11.01	105	166991	3.943 ug/L #	70
44) 1,2,4-Trimethylbenzene	11.01	105	166991	3.942 ug/L #	71
53) Chlorobenzene	10.12	112	533471	16.673 ug/L	97
58) Isopropylbenzene	11.01	105	166991	3.267 ug/L	100
64) 1,4-Dichlorobenzene	12.08	146	4870	0.210 ug/L	93
66) 1,2-Dichlorobenzene	12.38	146	2352	0.110 ug/L #	86

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



#6

Bromomethane

Concen: 0.104 ug/L

RT: 1.65 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX018682.D

Acq: 30 Sep 2020 01:56

Instrument :

MSVOA_X

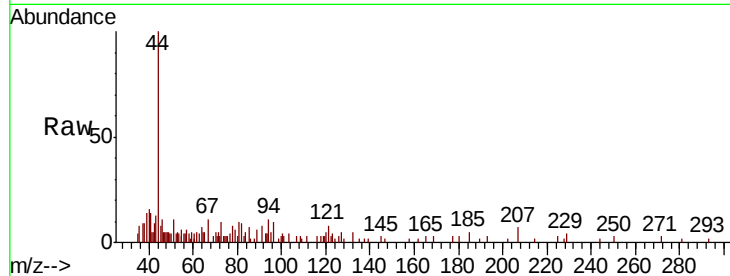
ClientSampleId :

Tot Ion: 94 Resp: 785

Ion Ratio Lower Upper

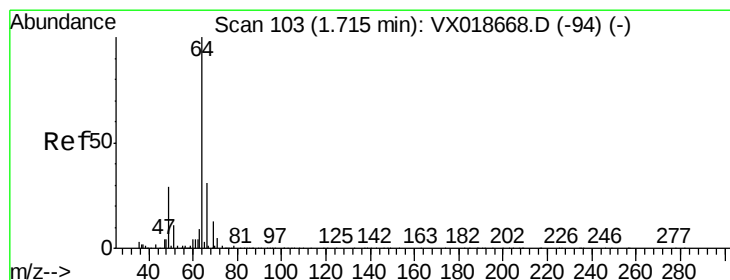
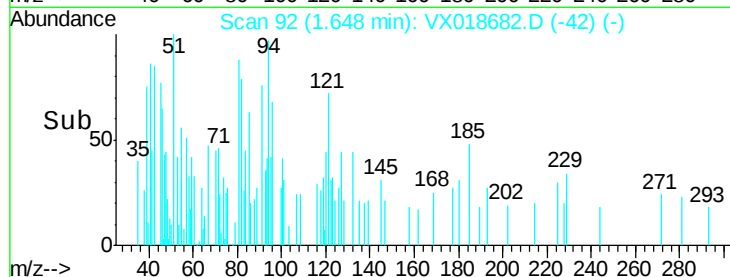
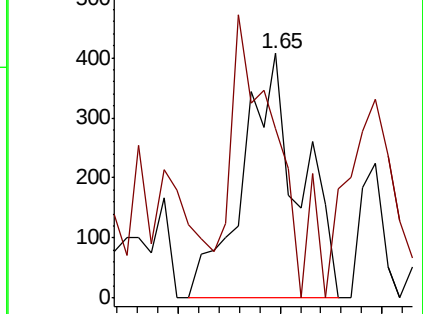
94 100

96 69.0 67.8 125.8



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#8

Chloroethane

Concen: 0.319 ug/L

RT: 1.71 min Scan# 103

Delta R.T. -0.00 min

Lab File: VX018682.D

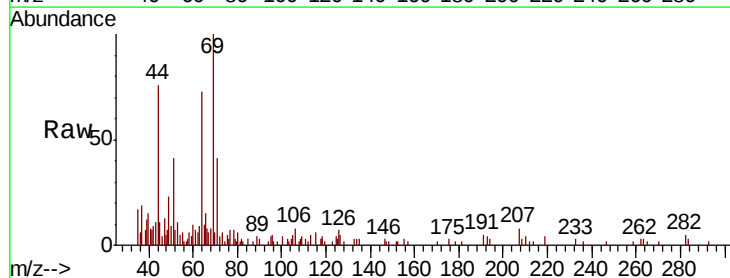
Acq: 30 Sep 2020 01:56

Tgt Ion: 64 Resp: 2213

Ion Ratio Lower Upper

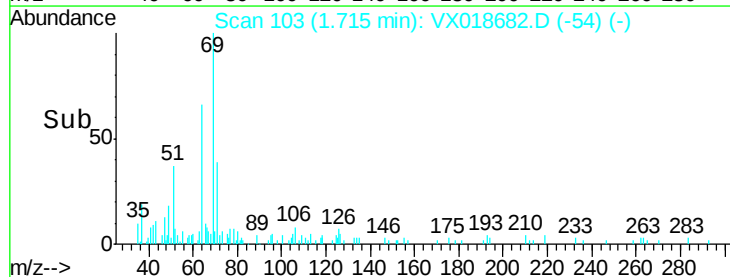
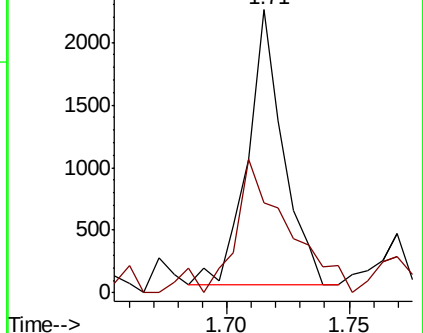
64 100

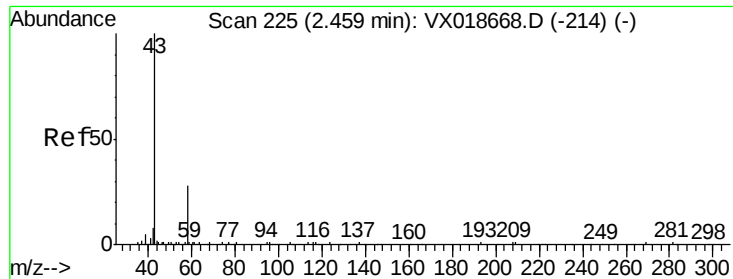
66 31.9 22.3 41.3



Abundance Ion 64.10 (63.80 to 64.80): VX0

Ion 66.05 (65.75 to 66.75): VX0





#13

Acetone

Concen: 0.941 ug/L

RT: 2.47 min Scan# 227

Delta R.T. 0.01 min

Lab File: VX018682.D

Acq: 30 Sep 2020 01:56

Instrument :

MSVOA_X

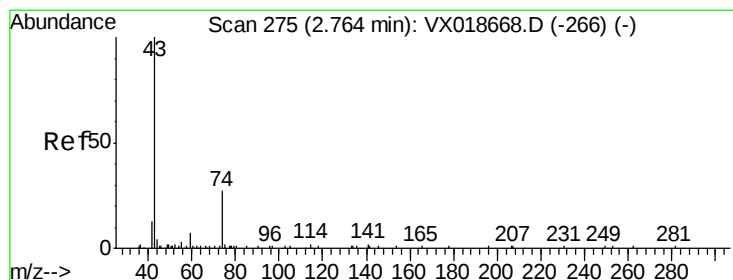
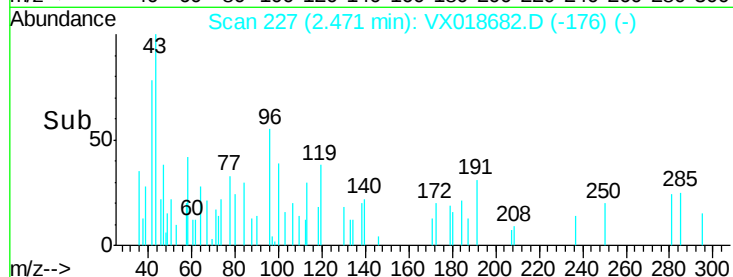
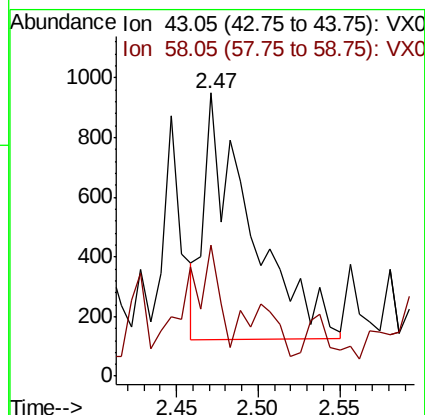
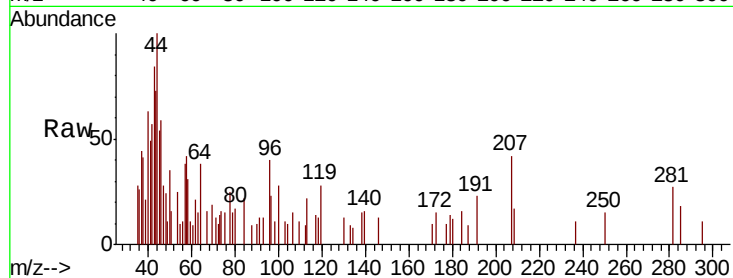
ClientSampled :

Tot Ion: 43 Resp: 1620

Ion Ratio Lower Upper

43 100

58 29.0 0.0 61.6



#15

Methyl Acetate

Concen: 0.103 ug/L

RT: 2.78 min Scan# 278

Delta R.T. 0.02 min

Lab File: VX018682.D

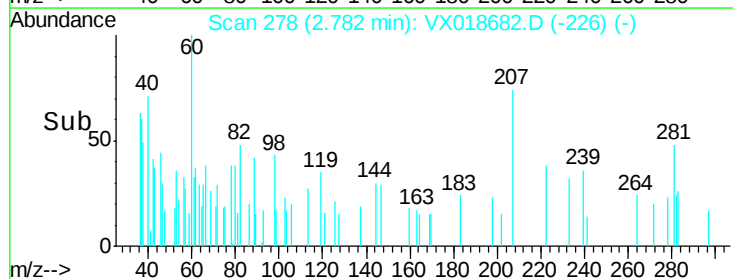
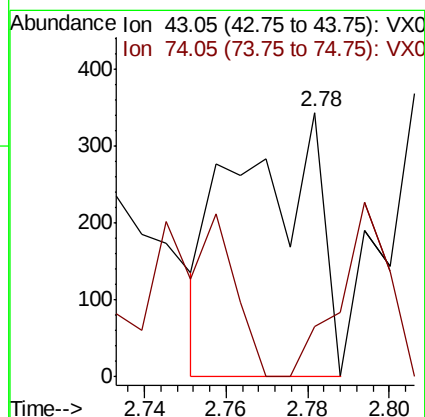
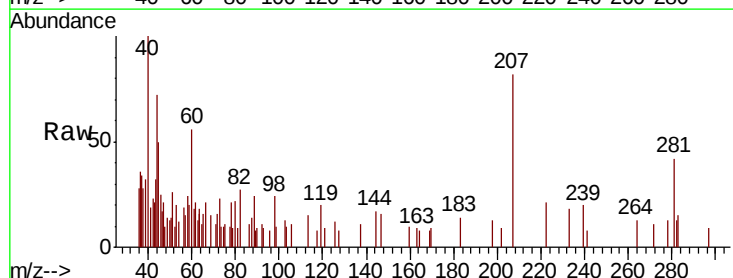
Acq: 30 Sep 2020 01:56

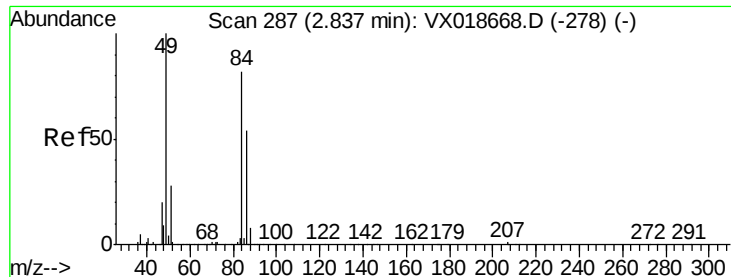
Tgt Ion: 43 Resp: 489

Ion Ratio Lower Upper

43 100

74 38.4 21.2 31.8#

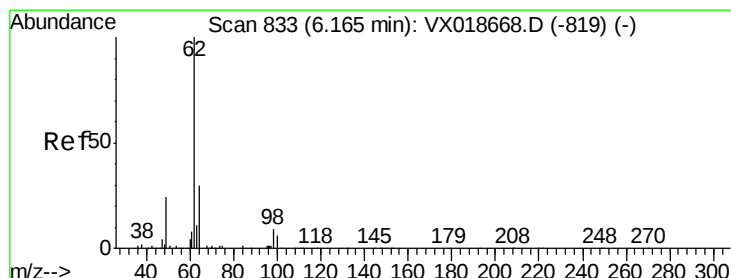
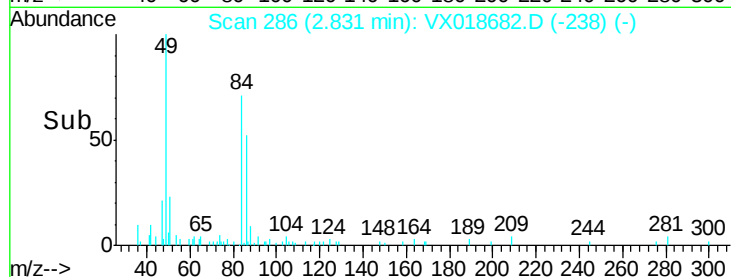
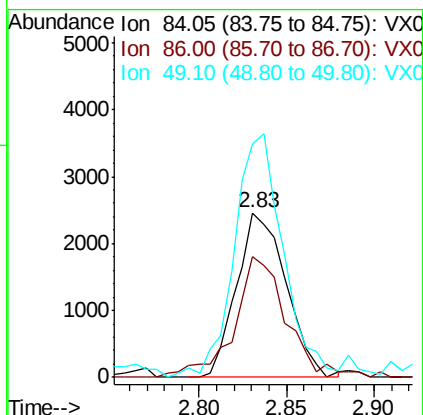
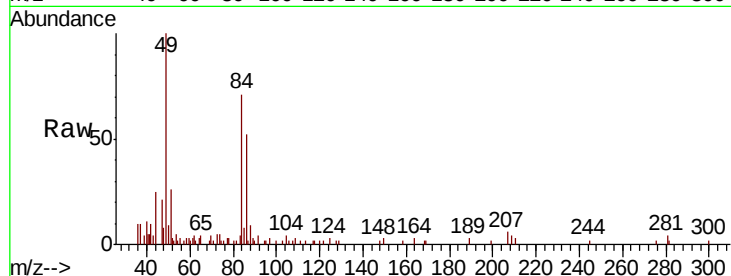




#16
Methvlene chloride
Concen: 0.312 ug/L
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX018682.D
Acq: 30 Sep 2020 01:56

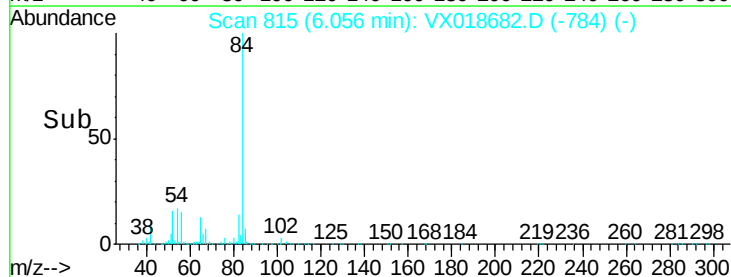
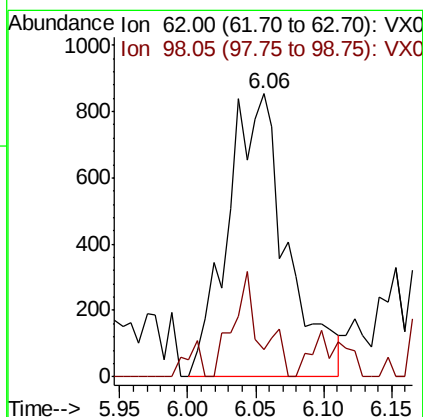
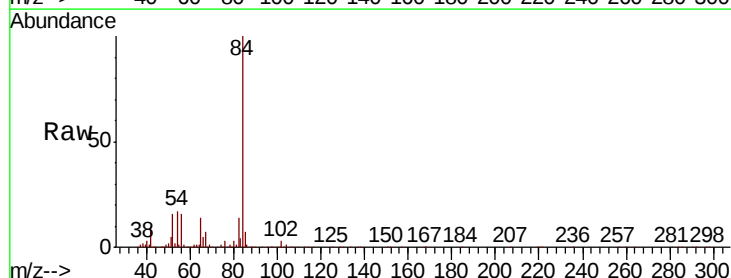
Instrument :
MSVOA_X
ClientSampleId :

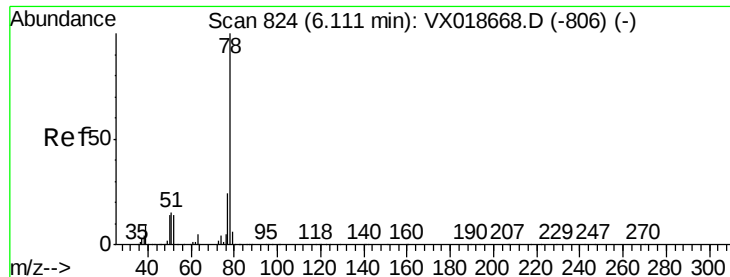
Tot Ion: 84 Resp: 4847
Ion Ratio Lower Upper
84 100
86 73.2 41.9 77.7
49 141.7 80.8 150.2



#27
1,2-Dichloroethane
Concen: 0.183 ug/L
RT: 6.06 min Scan# 815
Delta R.T. -0.11 min
Lab File: VX018682.D
Acq: 30 Sep 2020 01:56

Tgt Ion: 62 Resp: 2579
Ion Ratio Lower Upper
62 100
98 9.7 7.0 10.4





#33

Benzene

Concen: 0.206 ug/L

RT: 6.12 min Scan# 825

Delta R.T. 0.01 min

Lab File: VX018682.D

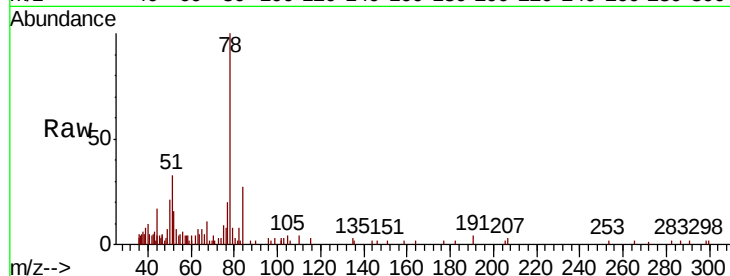
Acq: 30 Sep 2020 01:56

Instrument :

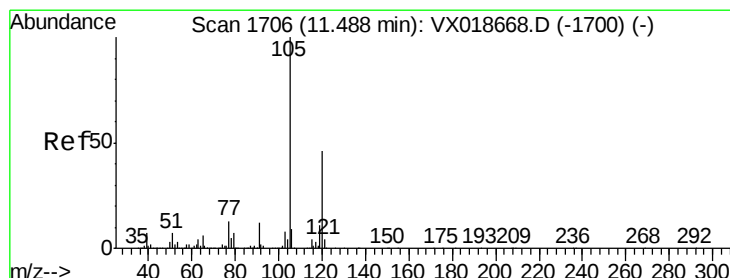
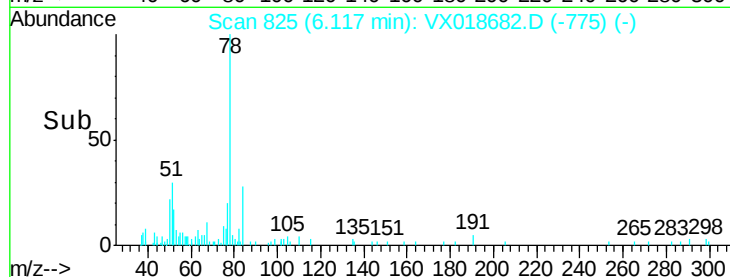
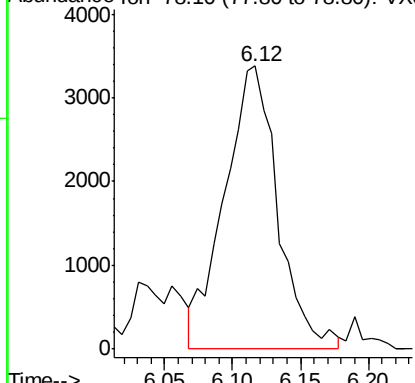
MSVOA_X

ClientSampled :

Tgt Ion: 78 Resp: 9256



Abundance Ion 78.10 (77.80 to 78.80): VX0



#43

1,3,5-Trimethylbenzene

Concen: 3.943 ug/L

RT: 11.01 min Scan# 1627

Delta R.T. -0.48 min

Lab File: VX018682.D

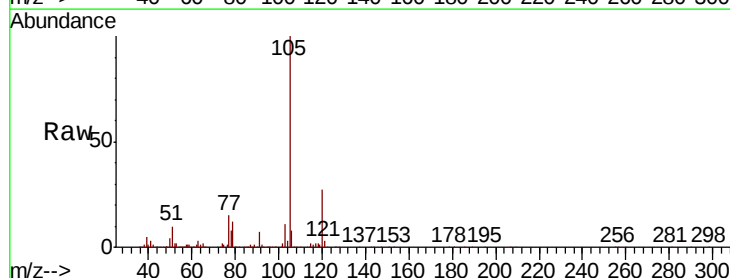
Acq: 30 Sep 2020 01:56

Tgt Ion: 105 Resp: 166991

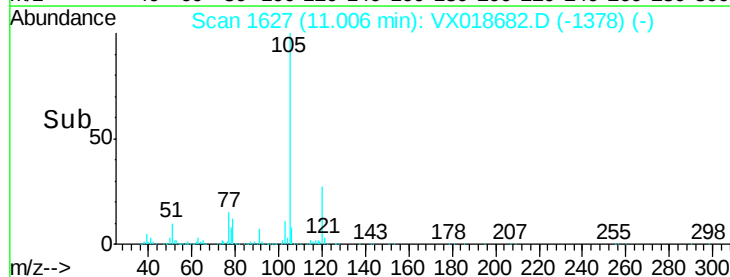
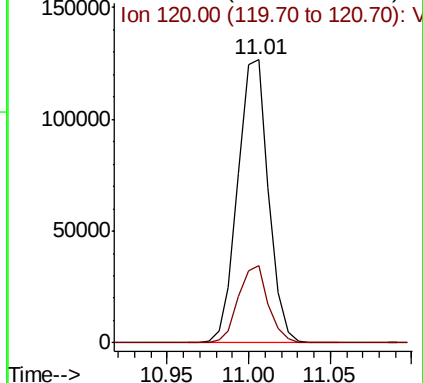
Ion Ratio Lower Upper

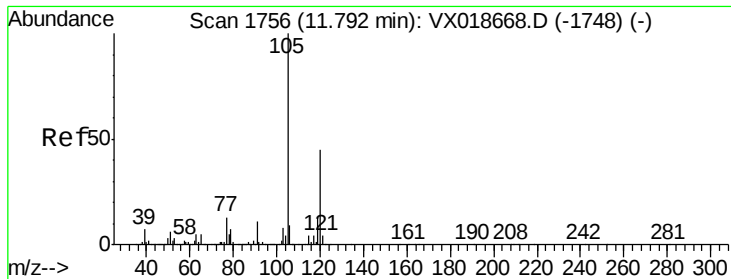
105 100

120 26.6 37.2 55.8#



Abundance Ion 105.00 (104.70 to 105.70): V

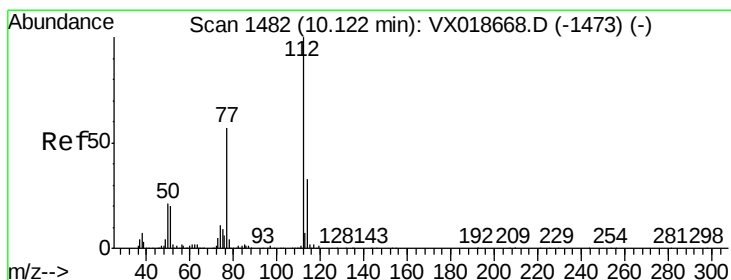
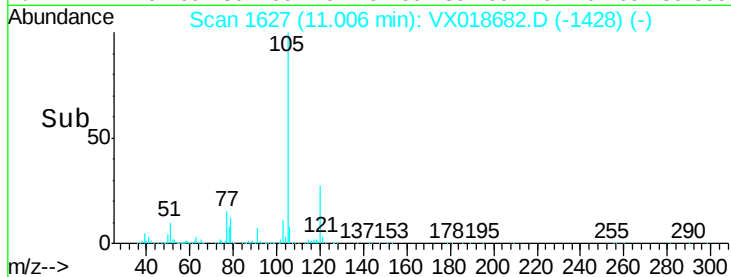
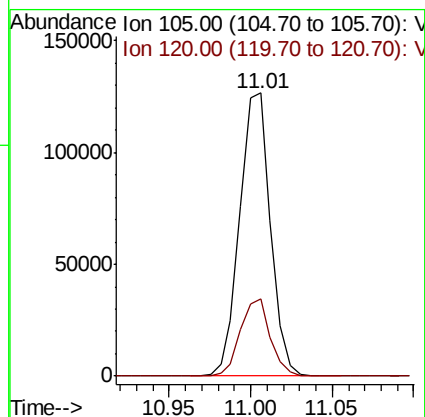
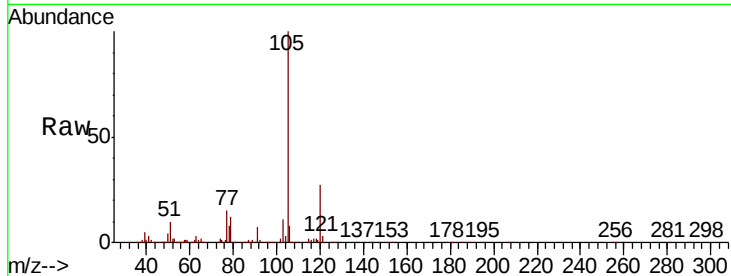




#44
 1,2,4-Trimethylbenzene
 Concen: 3.942 ug/L
 RT: 11.01 min Scan# 1627
 Delta R.T. -0.79 min
 Lab File: VX018682.D
 Acq: 30 Sep 2020 01:56

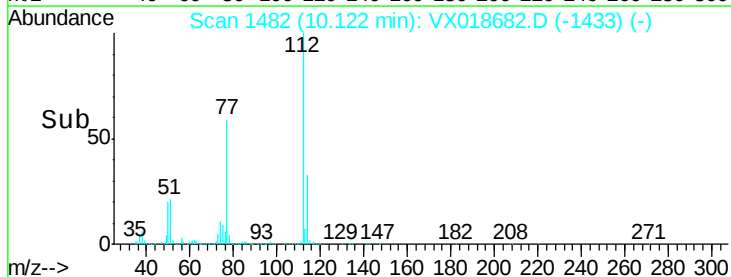
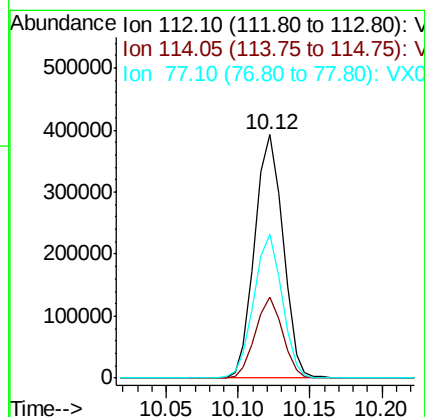
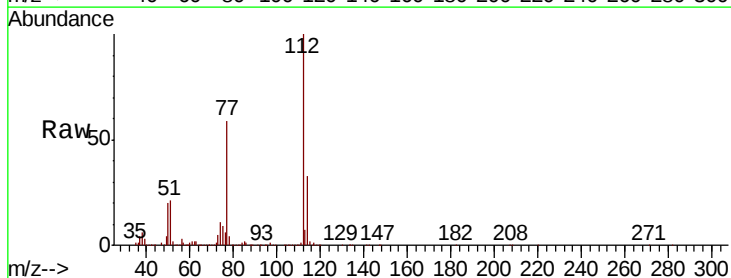
Instrument :
 MSVOA_X
 ClientSampled :

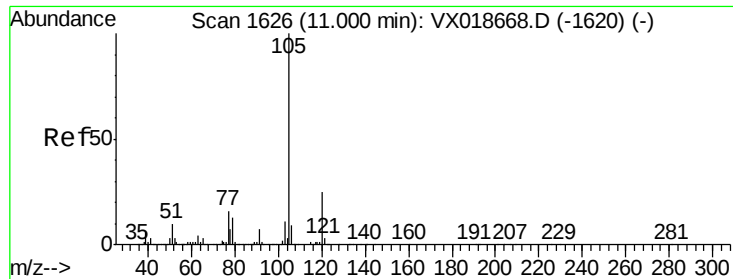
Tot Ion:105 Resp: 166991
 Ion Ratio Lower Upper
 105 100
 120 26.6 36.8 55.2#



#53
 Chlorobenzene
 Concen: 16.673 ug/L
 RT: 10.12 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: VX018682.D
 Acq: 30 Sep 2020 01:56

Tgt Ion:112 Resp: 533471
 Ion Ratio Lower Upper
 112 100
 114 33.5 20.6 38.4
 77 59.0 46.6 69.8





#58

Isopropylbenzene

Concen: 3.267 ug/L

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX018682.D

Acq: 30 Sep 2020 01:56

Instrument :

MSVOA_X

ClientSampleId :

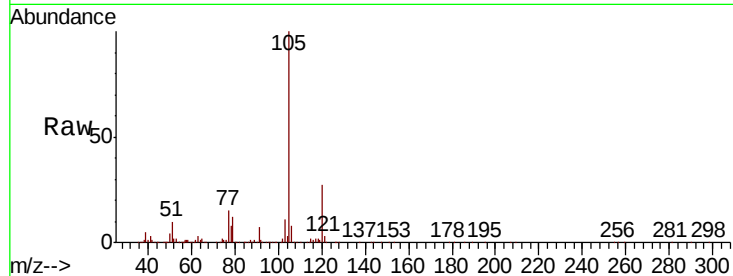
Tot Ion:105 Resp: 166991

Ion Ratio Lower Upper

105 100

120 26.6 21.2 31.8

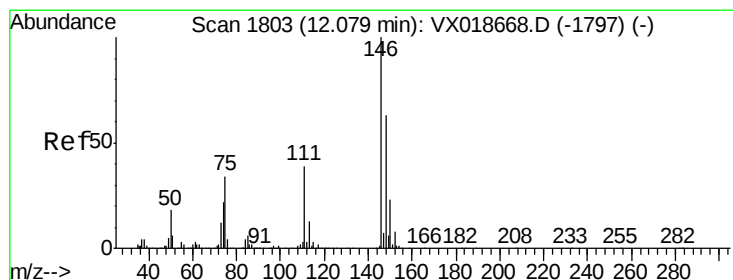
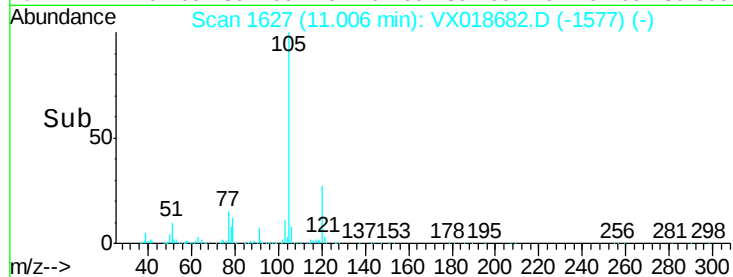
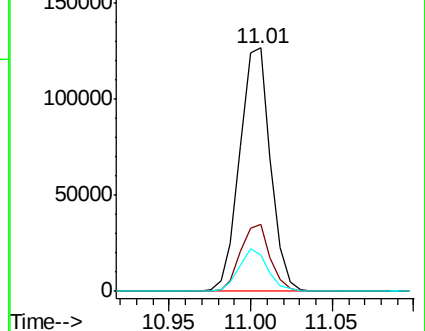
77 16.8 13.3 19.9



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



#64

1,4-Dichlorobenzene

Concen: 0.210 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VX018682.D

Acq: 30 Sep 2020 01:56

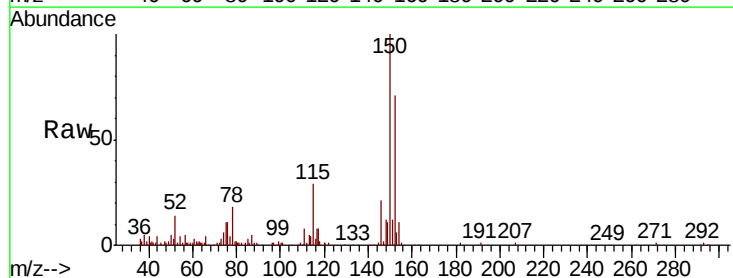
Tgt Ion:146 Resp: 4870

Ion Ratio Lower Upper

146 100

111 37.9 28.8 53.4

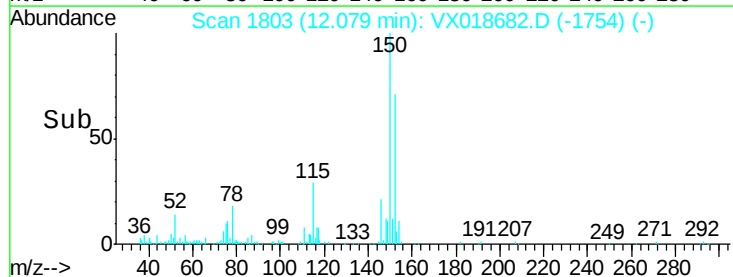
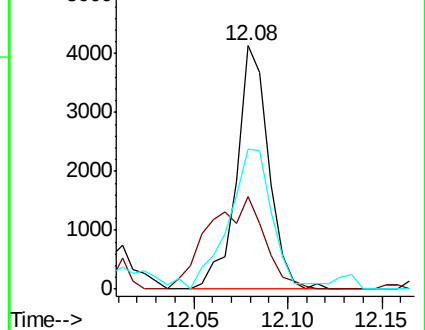
148 57.7 44.9 83.3

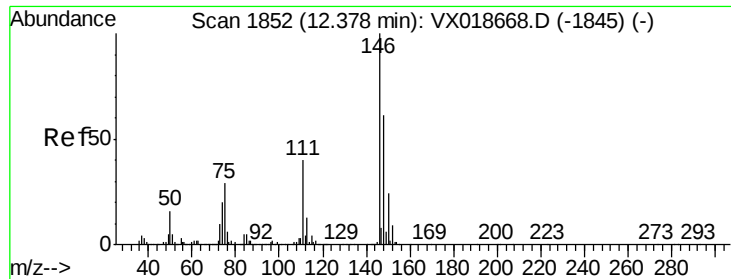


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

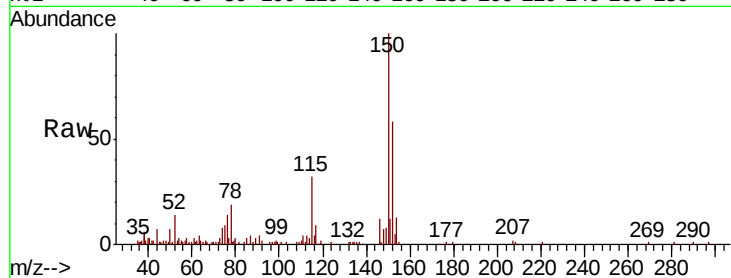




#66
 1,2-Dichlorobenzene
 Concen: 0.110 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX018682.D
 Acq: 30 Sep 2020 01:56

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	32.4	33.6	50.4#
148	56.0	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

