

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VOX092920\
 Data File : VX018654.D
 Acq On : 29 Sep 2020 13:49
 Operator : JC/SP
 Sample : L4135-19
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 30 04:56:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Sep 30 04:47:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.84	114	243884	5.00	ug/L	0.01
28) Chlorobenzene-d5	10.10	117	228084	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	106489	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	40386	3.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	63.20%
7) Chloroethane-d5	1.70	69	37451	3.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	69.60%
11) 1,1-Dichloroethene-d2	2.34	63	72467	2.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	51.40%#
20) 2-Butanone-d5	4.55	46	120773	37.11	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	74.22%
24) Chloroform-d	5.14	84	100077	3.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	66.20%#
26) 1,2-Dichloroethane-d4	6.03	65	59384	3.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	67.40%#
32) Benzene-d6	6.05	84	193367	3.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.40%
36) 1,2-Dichloropropane-d6	7.37	67	60122	3.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	75.00%
41) Toluene-d8	8.70	98	174416	3.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	66.60%#
45) trans-1,3-Dichloropropene-	8.99	79	24264	3.40	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	68.00%
48) 2-Hexanone-d5	9.43	63	89509	35.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	70.06%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	43527	3.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	72.80%
65) 1,2-Dichlorobenzene-d4	12.36	152	64918	3.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	74.60%#

Target Compounds

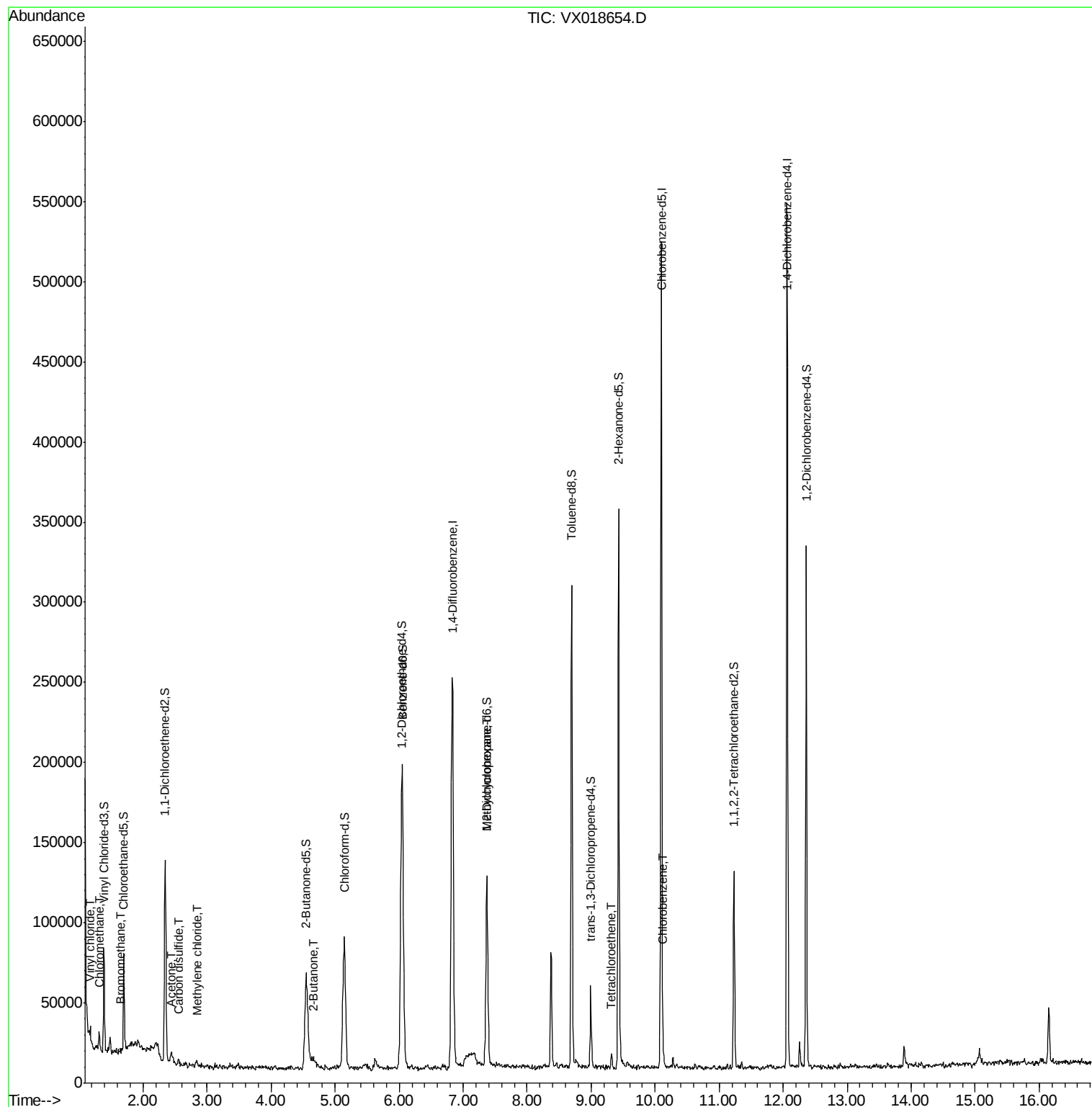
					Ovalue
3) Chloromethane	1.31	50	7291	0.578	ug/L 98
5) Vinyl chloride	1.17	62	963	0.073	ug/L 84
6) Bromomethane	1.64	94	725	0.092	ug/L 82
13) Acetone	2.44	43	12297	6.827	ug/L 83
14) Carbon disulfide	2.55	76	4375	0.121	ug/L # 86
16) Methylene chloride	2.84	84	1650	0.101	ug/L 81
21) 2-Butanone	4.66	43	2367	0.828	ug/L 91
35) Methylcyclohexane	7.37	83	14740	0.833	ug/L # 19
49) Tetrachloroethene	9.32	164	1611	0.161	ug/L 75
53) Chlorobenzene	10.12	112	2863	0.091	ug/L 94

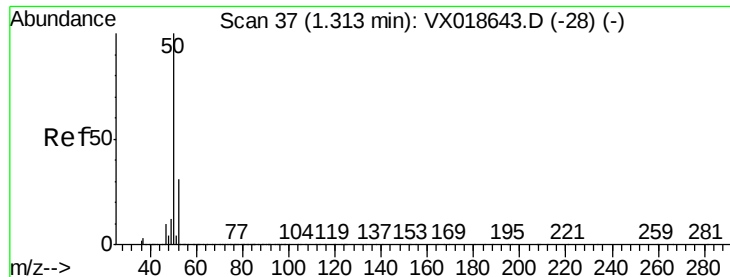
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.578 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018654.D

Acq: 29 Sep 2020 13:49

Instrument :

MSVOA_X

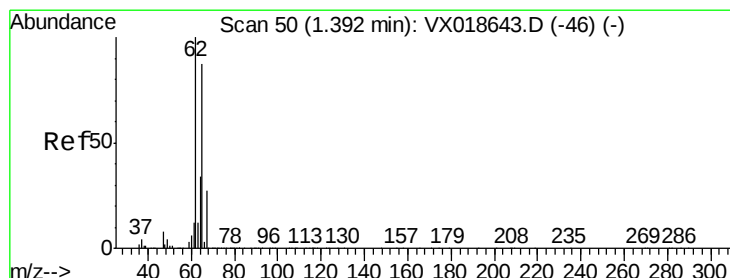
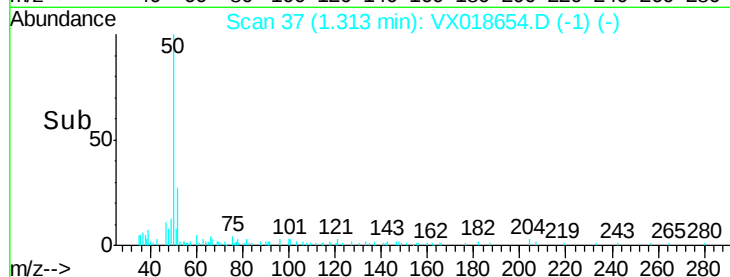
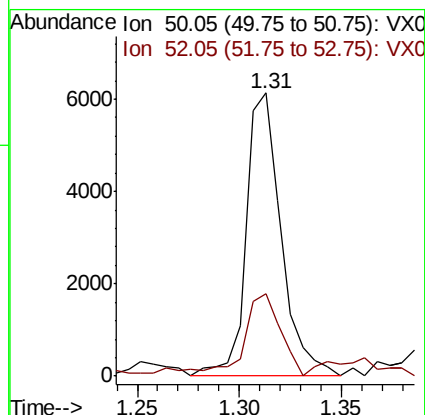
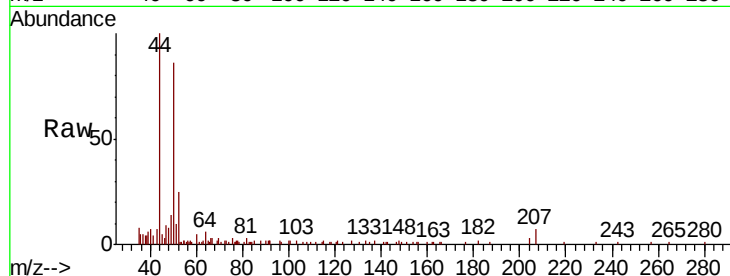
ClientSampleId :

Tot Ion: 50 Resp: 7291

Ion Ratio Lower Upper

50 100

52 29.2 21.2 39.4



#5

Vinyl chloride

Concen: 0.073 ug/L

RT: 1.17 min Scan# 14

Delta R.T. -0.22 min

Lab File: VX018654.D

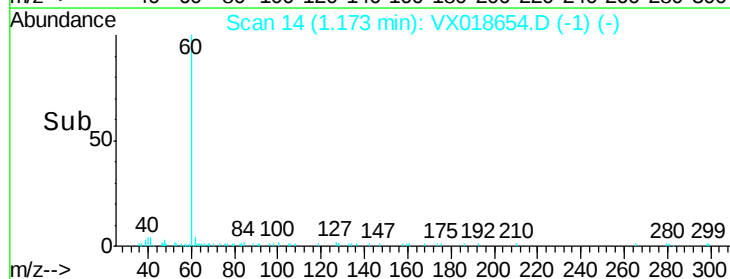
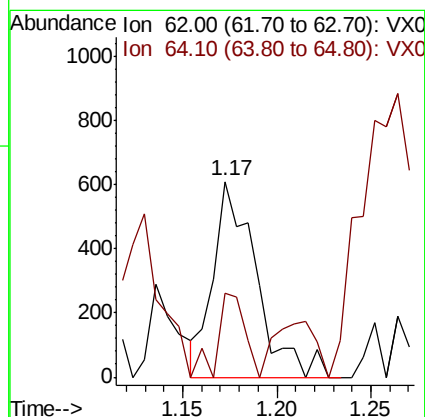
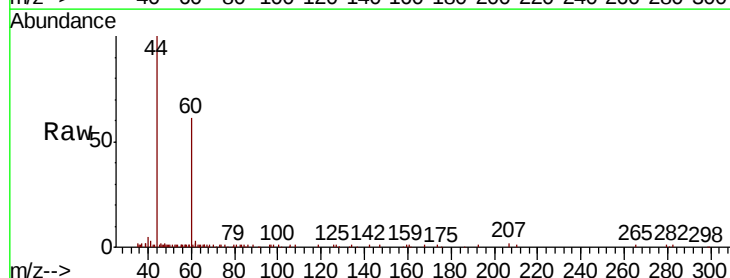
Acq: 29 Sep 2020 13:49

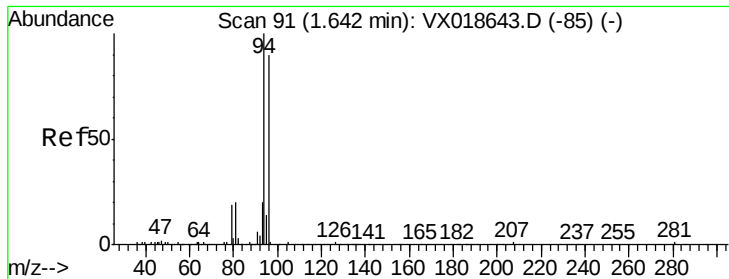
Tgt Ion: 62 Resp: 963

Ion Ratio Lower Upper

62 100

64 42.9 23.6 43.8





#6

Bromomethane

Concen: 0.092 ug/L

RT: 1.64 min Scan# 91

Delta R.T. 0.00 min

Lab File: VX018654.D

Acq: 29 Sep 2020 13:49

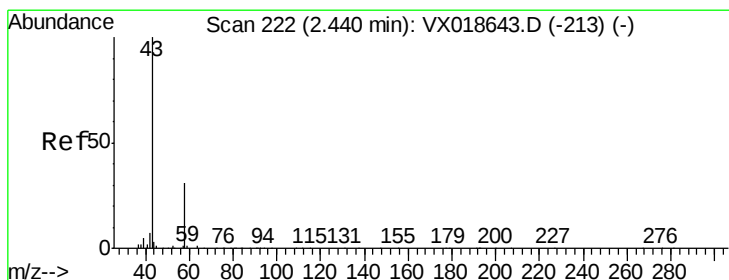
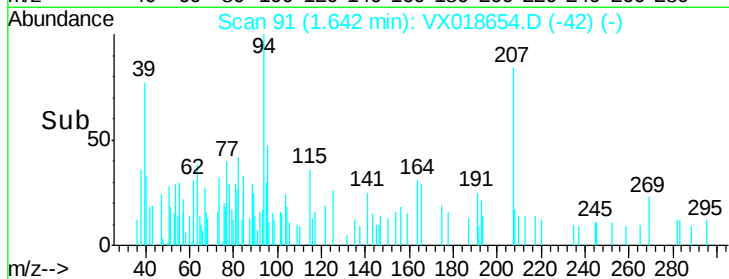
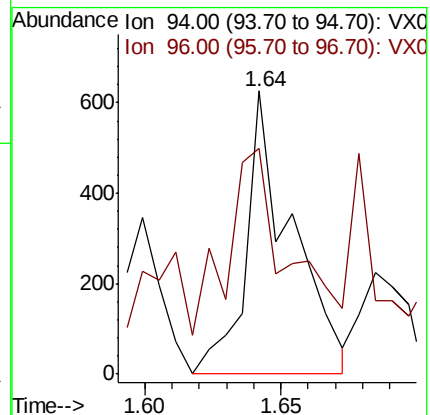
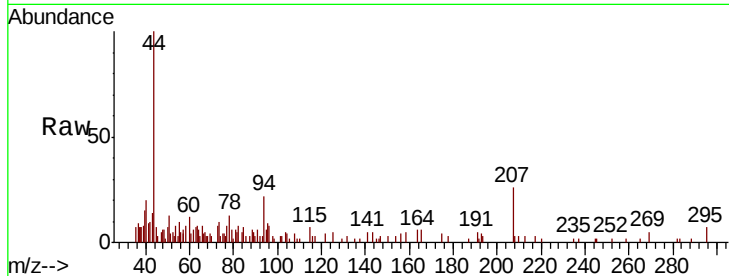
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 94 Resp: 725

Ion Ratio Lower Upper

94 100

96 79.6 67.8 125.8



#13

Acetone

Concen: 6.827 ug/L

RT: 2.44 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX018654.D

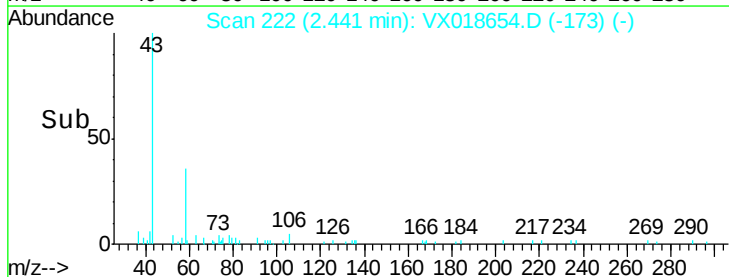
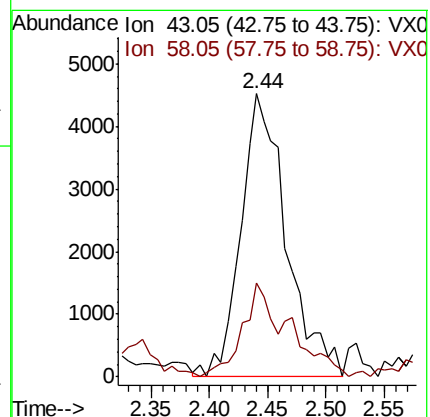
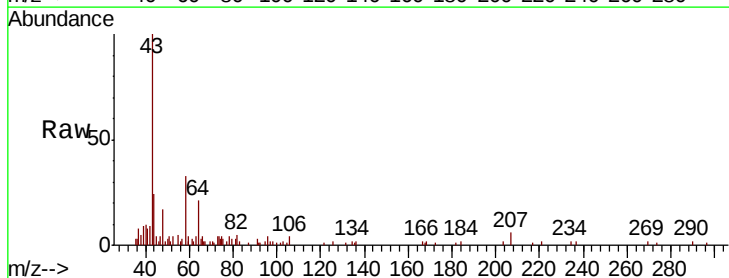
Acq: 29 Sep 2020 13:49

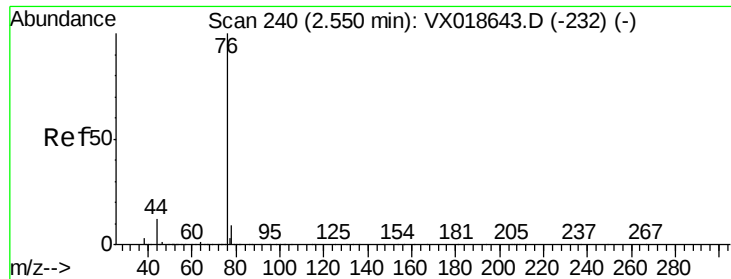
Tgt Ion: 43 Resp: 12297

Ion Ratio Lower Upper

43 100

58 21.6 0.0 61.6





#14

Carbon disulfide

Concen: 0.121 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX018654.D

Acq: 29 Sep 2020 13:49

Instrument :

MSVOA_X

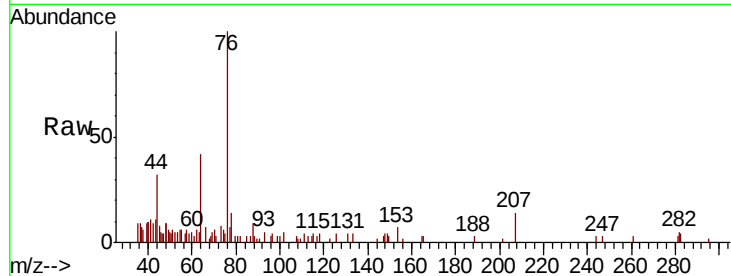
ClientSampled :

Tot Ion: 76 Resp: 4375

Ion Ratio Lower Upper

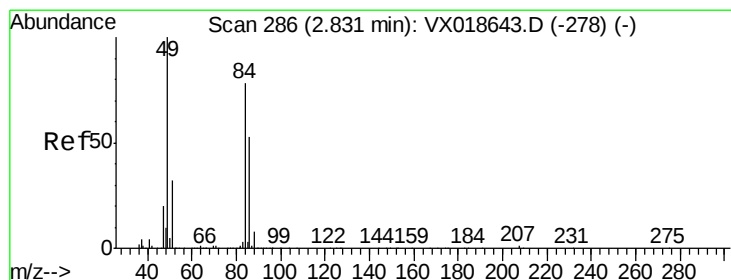
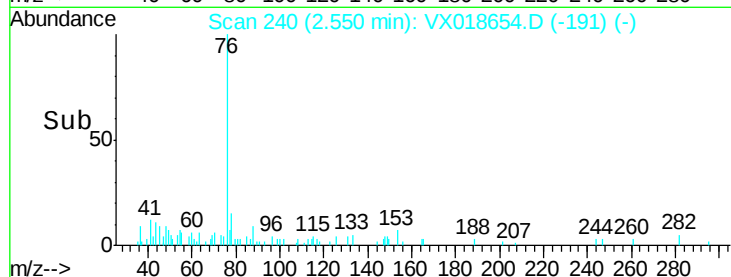
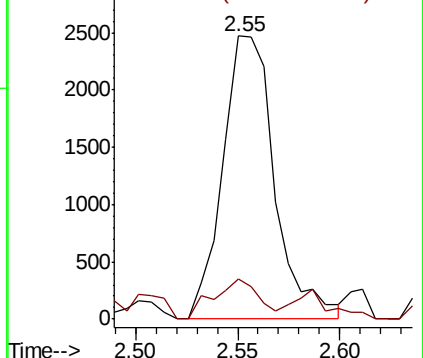
76 100

78 14.2 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: 0.101 ug/L

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX018654.D

Acq: 29 Sep 2020 13:49

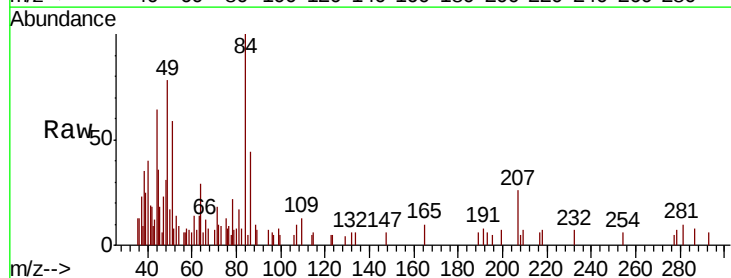
Tgt Ion: 84 Resp: 1650

Ion Ratio Lower Upper

84 100

86 43.9 41.9 77.7

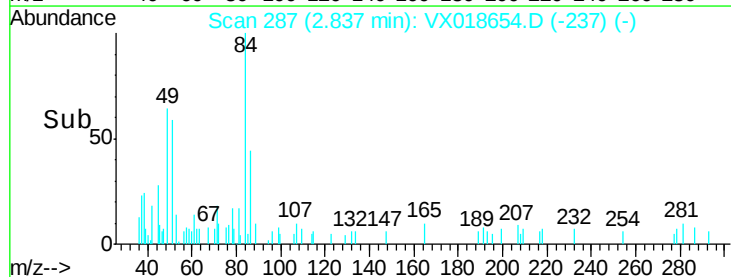
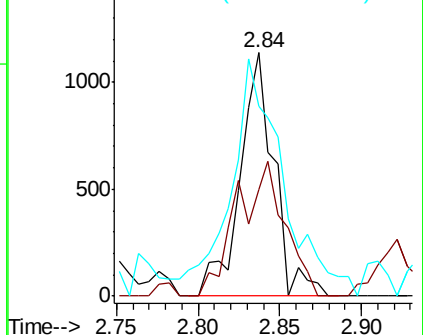
49 95.7 80.8 150.2

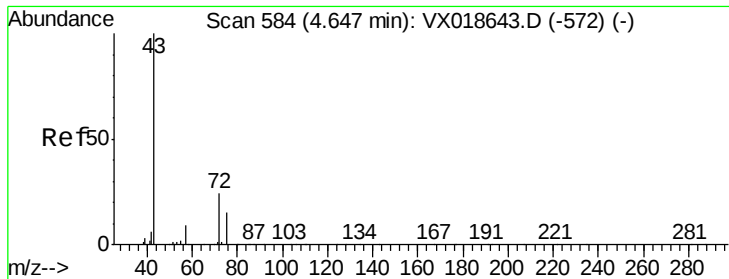


Abundance Ion 84.05 (83.75 to 84.75): VX0

Ion 86.00 (85.70 to 86.70): VX0

Ion 49.10 (48.80 to 49.80): VX0





#21

2-Butanone

Concen: 0.828 ug/L

RT: 4.66 min Scan# 586

Delta R.T. 0.01 min

Lab File: VX018654.D

Acq: 29 Sep 2020 13:49

Instrument :

MSVOA_X

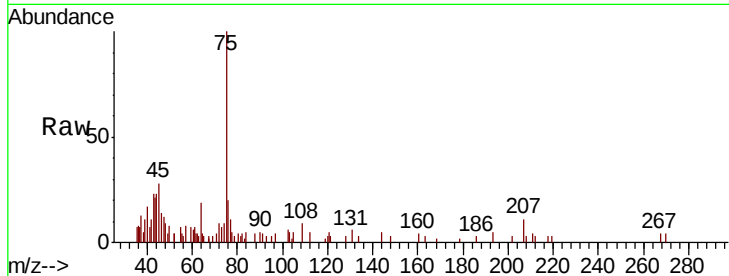
ClientSampled :

Tot Ion: 43 Resp: 2367

Ion Ratio Lower Upper

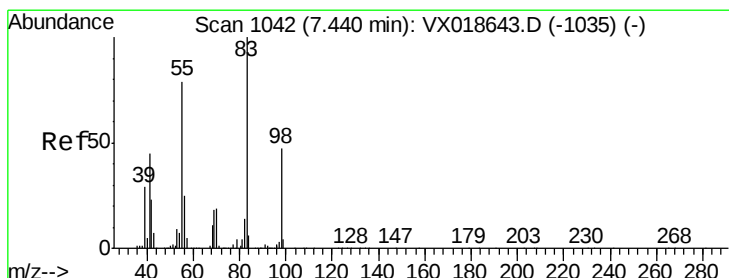
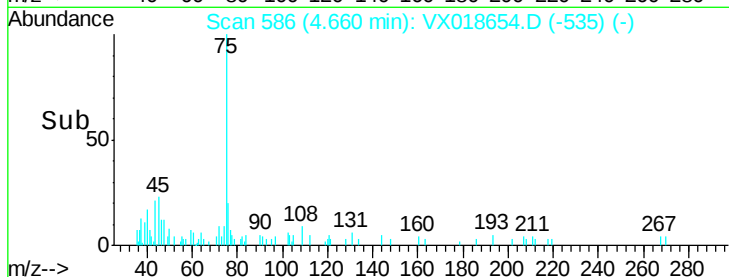
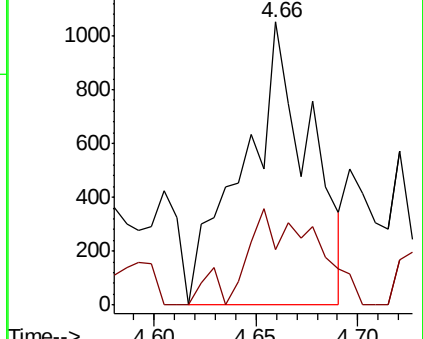
43 100

72 13.7 5.2 15.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#35

Methylcyclohexane

Concen: 0.833 ug/L

RT: 7.37 min Scan# 1031

Delta R.T. -0.07 min

Lab File: VX018654.D

Acq: 29 Sep 2020 13:49

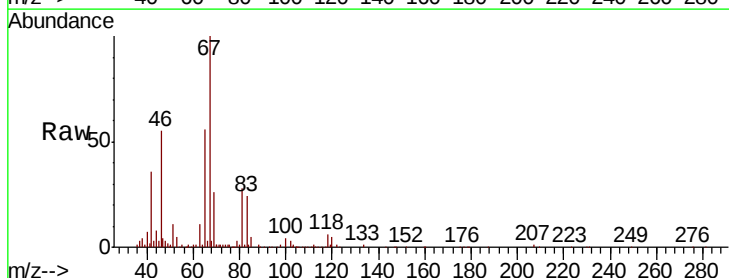
Tgt Ion: 83 Resp: 14740

Ion Ratio Lower Upper

83 100

55 4.0 67.4 101.0#

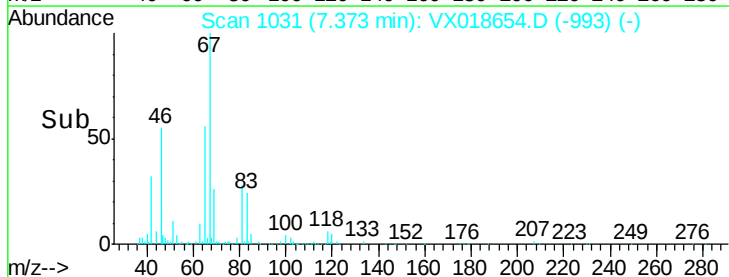
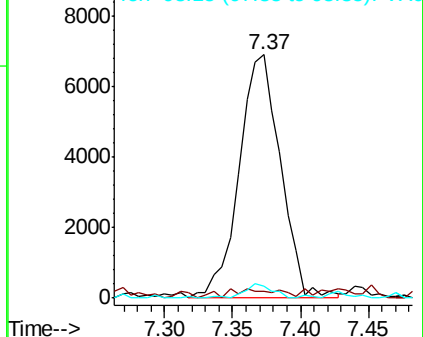
98 3.9 41.1 61.7#

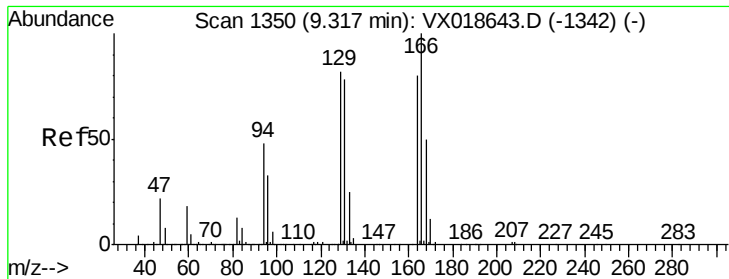


Abundance Ion 83.15 (82.85 to 83.85): VX0

Ion 55.10 (54.80 to 55.80): VX0

Ion 98.15 (97.85 to 98.85): VX0





#49

Tetrachloroethene

Concen: 0.161 ug/L

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX018654.D

Acq: 29 Sep 2020 13:49

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164 Resp: 1611

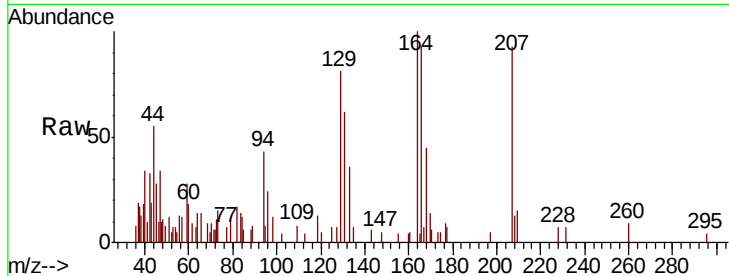
Ion Ratio Lower Upper

164 100

129 80.8 65.9 122.3

131 62.1 61.4 114.0

166 93.3 91.0 169.0

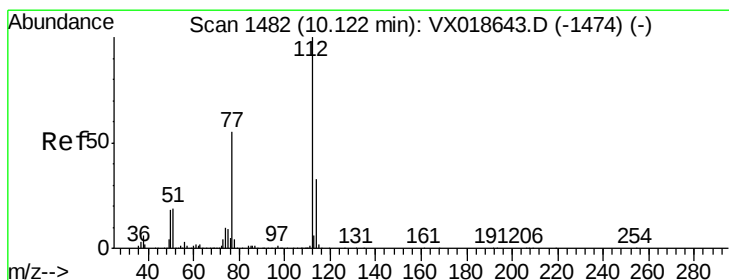
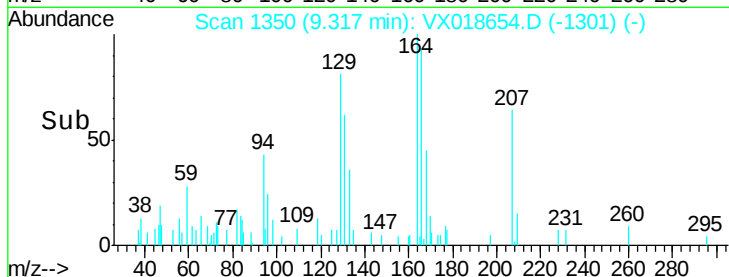
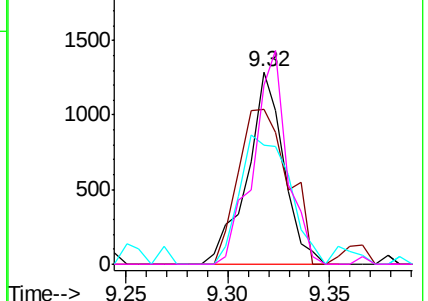


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#53

Chlorobenzene

Concen: 0.091 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX018654.D

Acq: 29 Sep 2020 13:49

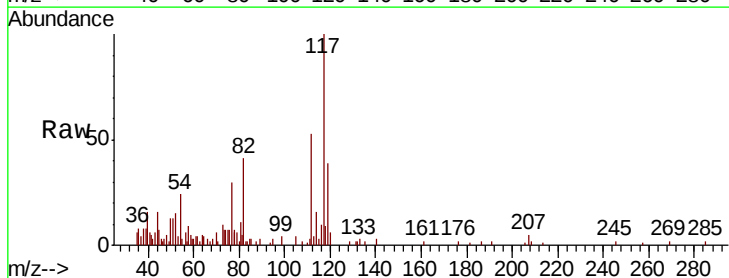
Tgt Ion:112 Resp: 2863

Ion Ratio Lower Upper

112 100

114 27.3 20.6 38.4

77 63.8 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

