

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092920\
 Data File : VX018659.D
 Acq On : 29 Sep 2020 15:51
 Operator : JC/SP
 Sample : L4143-04
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 30 04:57:05 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	6.83	114	258633	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	246835	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	117563	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	56944	4.21	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.20%
7) Chloroethane-d5	1.70	69	49591	4.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.00%
11) 1,1-Dichloroethene-d2	2.34	63	99753	3.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.80%
20) 2-Butanone-d5	4.55	46	162890	47.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.40%
24) Chloroform-d	5.14	84	141442	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
26) 1,2-Dichloroethane-d4	6.03	65	78397	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.00%
32) Benzene-d6	6.05	84	253200	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
36) 1,2-Dichloropropane-d6	7.37	67	78575	4.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.60%
41) Toluene-d8	8.70	98	233608	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.40%
45) trans-1,3-Dichloropropene-	8.99	79	29349	3.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.00%
48) 2-Hexanone-d5	9.43	63	121183	43.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.66%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	58941	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.20%
65) 1,2-Dichlorobenzene-d4	12.36	152	85335	4.44	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.80%

Target Compounds

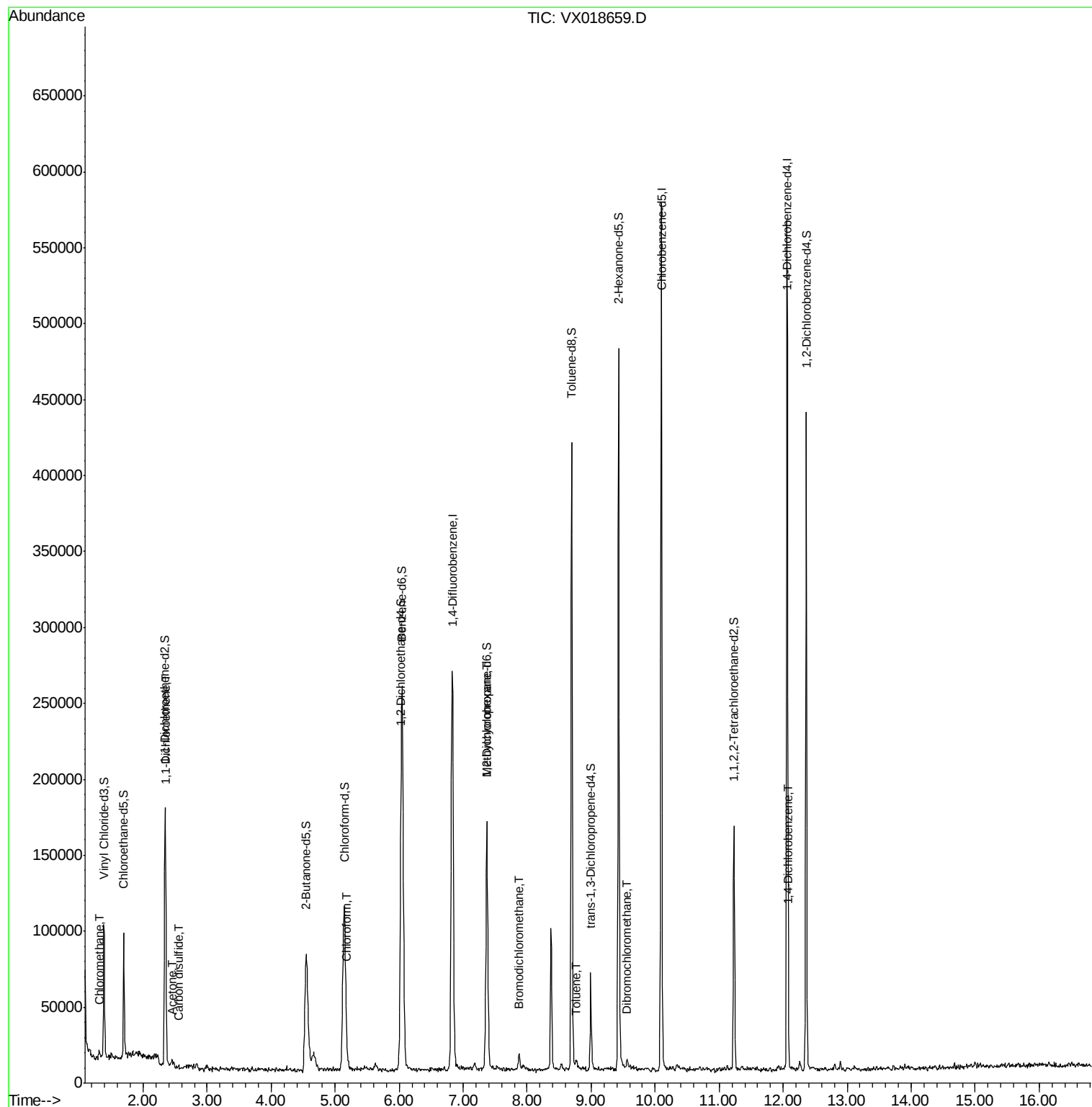
					Ovalue
3) Chloromethane	1.31	50	2239	0.167 ug/L	93
12) 1,1-Dichloroethene	2.36	96	1475	0.117 ug/L #	1
13) Acetone	2.45	43	7867	4.119 ug/L	86
14) Carbon disulfide	2.56	76	1952	0.051 ug/L #	77
25) Chloroform	5.18	83	11613	0.469 ug/L	99
35) Methylcyclohexane	7.37	83	19793	1.033 ug/L #	16
38) Bromodichloromethane	7.87	83	6260	0.365 ug/L	90
42) Toluene	8.76	91	4094	0.080 ug/L	93
51) Dibromochloromethane	9.56	129	1198	0.100 ug/L	83
64) 1,4-Dichlorobenzene	12.09	146	1844	0.071 ug/L	90

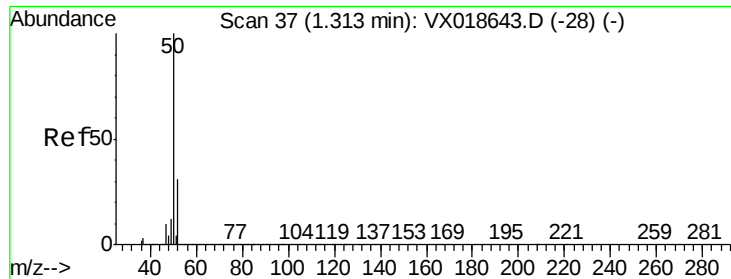
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 30 04:47:32 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.167 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX018659.D

Acq: 29 Sep 2020 15:51

Instrument :

MSVOA_X

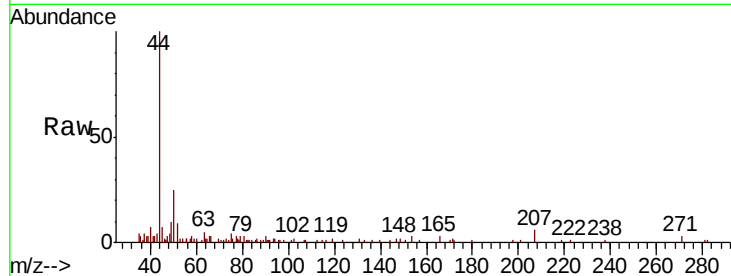
ClientSampleId :

Tot Ion: 50 Resp: 2239

Ion Ratio Lower Upper

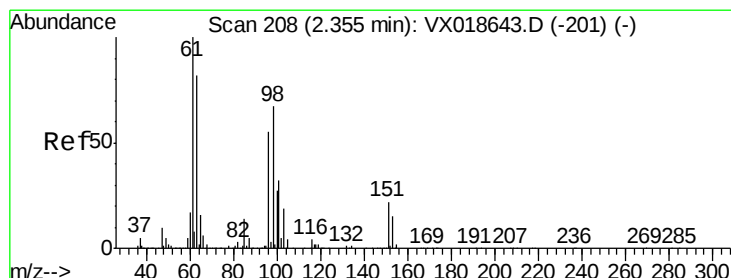
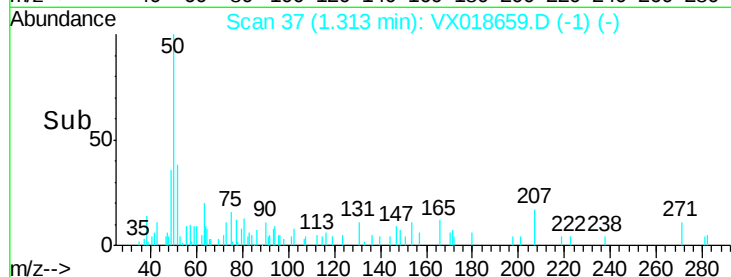
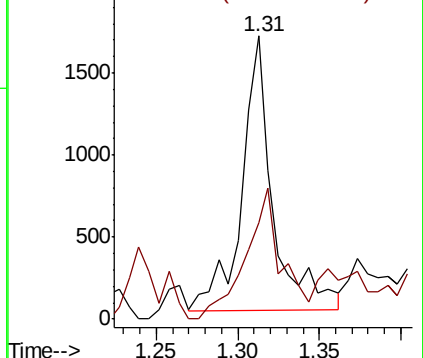
50 100

52 34.1 21.2 39.4



Abundance Ion 50.05 (49.75 to 50.75): VX0

Ion 52.05 (51.75 to 52.75): VX0



#12

1,1-Dichloroethene

Concen: 0.117 ug/L

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX018659.D

Acq: 29 Sep 2020 15:51

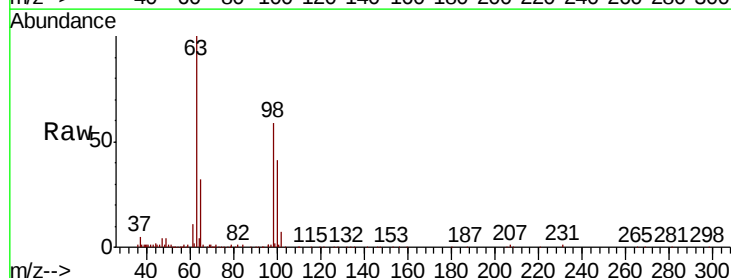
Tgt Ion: 96 Resp: 1475

Ion Ratio Lower Upper

96 100

61 560.2 123.8 229.8#

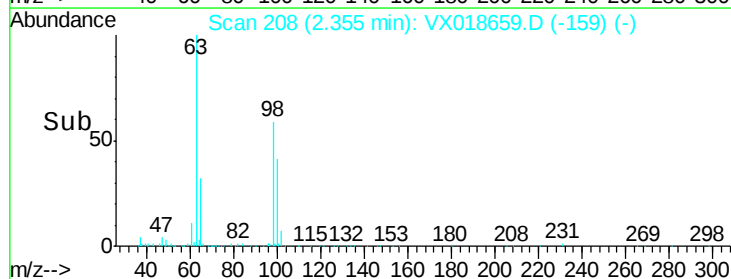
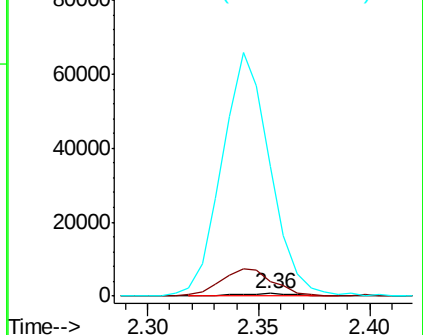
63 4988.9 104.7 194.4#

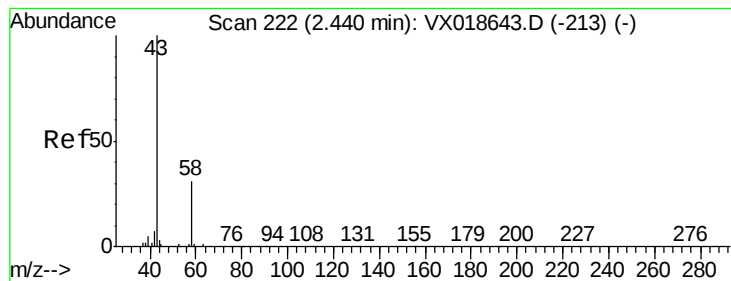


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0





#13

Acetone

Concen: 4.119 ug/L

RT: 2.45 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX018659.D

Acq: 29 Sep 2020 15:51

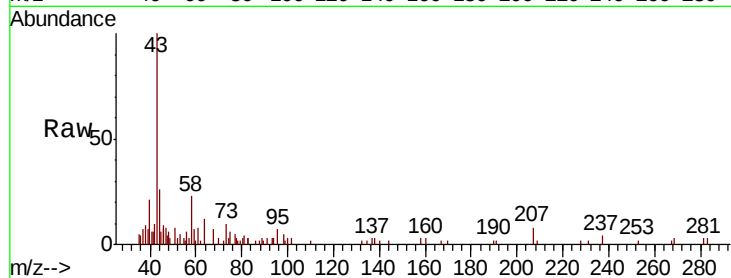
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 7867

Ion Ratio Lower Upper

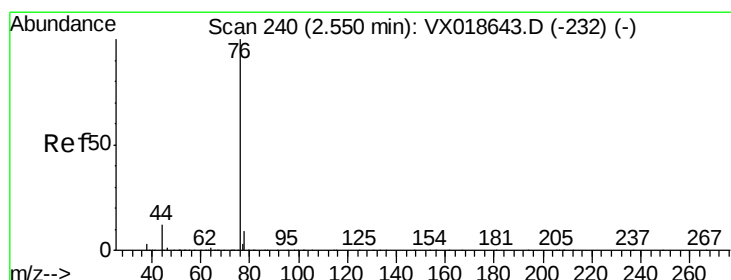
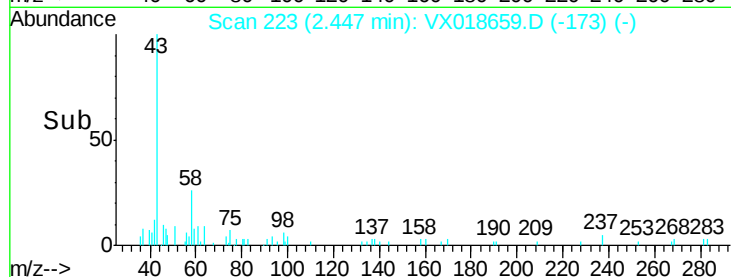
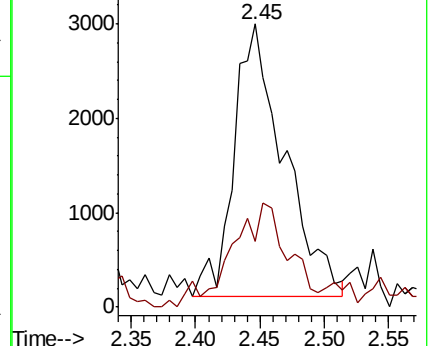
43 100

58 38.3 0.0 61.6



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0



#14

Carbon disulfide

Concen: 0.051 ug/L

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX018659.D

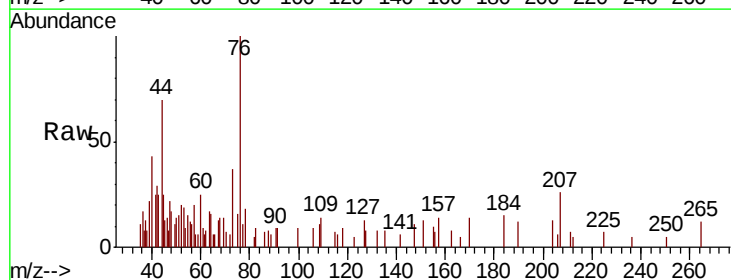
Acq: 29 Sep 2020 15:51

Tgt Ion: 76 Resp: 1952

Ion Ratio Lower Upper

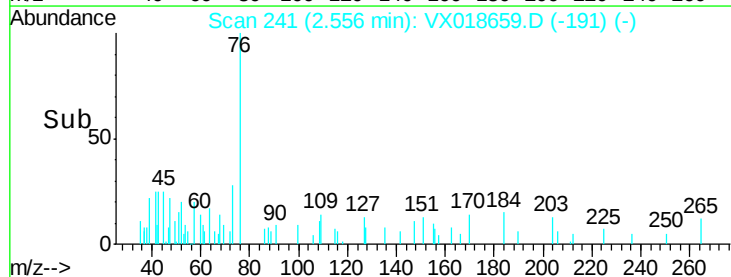
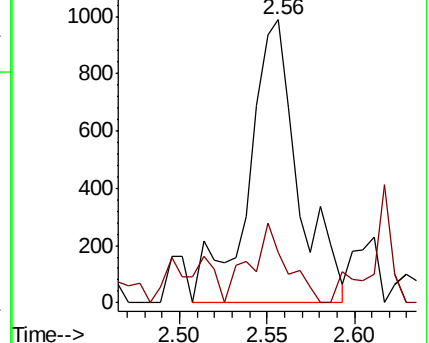
76 100

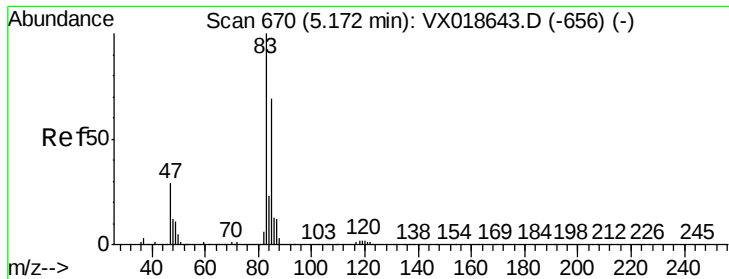
78 17.6 7.4 11.0#



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0





#25

Chloroform

Concen: 0.469 ug/L

RT: 5.18 min Scan# 671

Delta R.T. 0.01 min

Lab File: VX018659.D

Acq: 29 Sep 2020 15:51

Instrument :

MSVOA_X

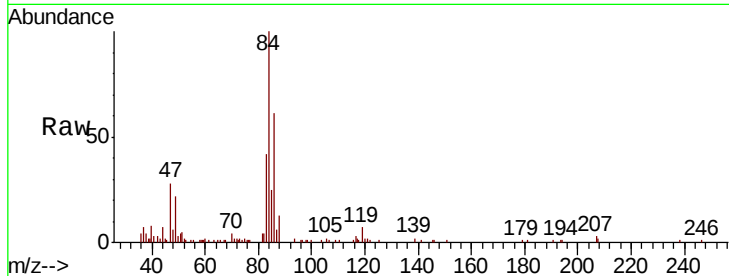
ClientSampleId :

Tot Ion: 83 Resp: 11613

Ion Ratio Lower Upper

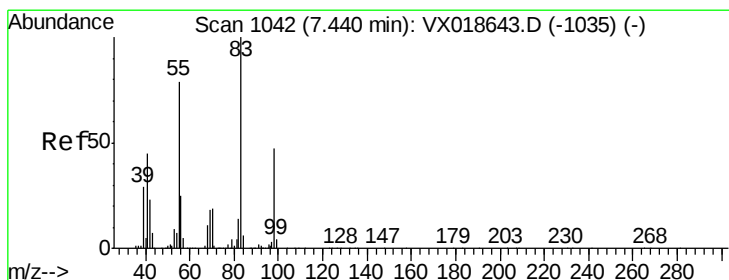
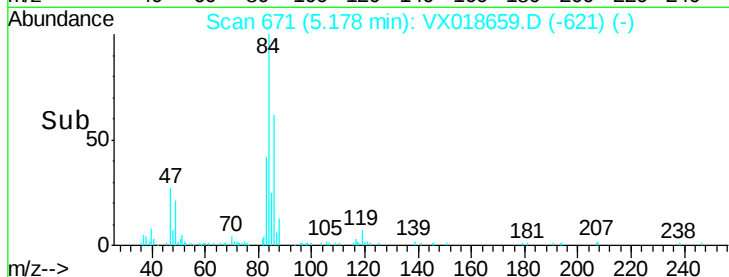
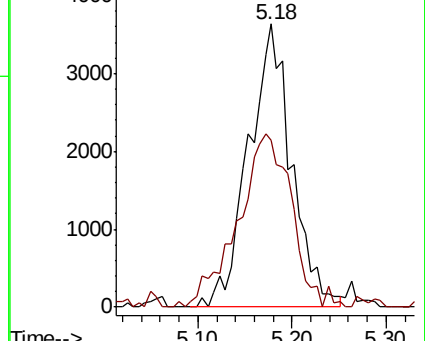
83 100

85 59.0 41.8 77.6



Abundance Ion 83.05 (82.75 to 83.75): VX0

Ion 85.00 (84.70 to 85.70): VX0



#35

Methylcyclohexane

Concen: 1.033 ug/L

RT: 7.37 min Scan# 1031

Delta R.T. -0.07 min

Lab File: VX018659.D

Acq: 29 Sep 2020 15:51

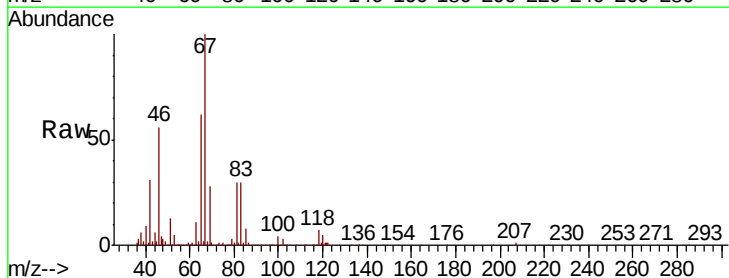
Tgt Ion: 83 Resp: 19793

Ion Ratio Lower Upper

83 100

55 0.7 67.4 101.0#

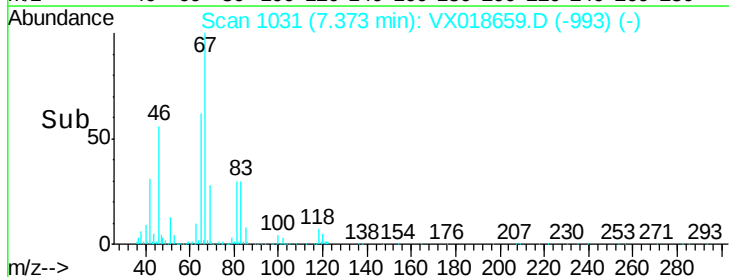
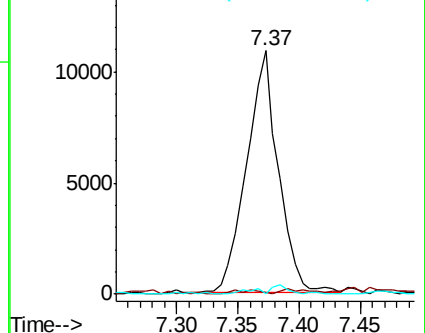
98 1.3 41.1 61.7#

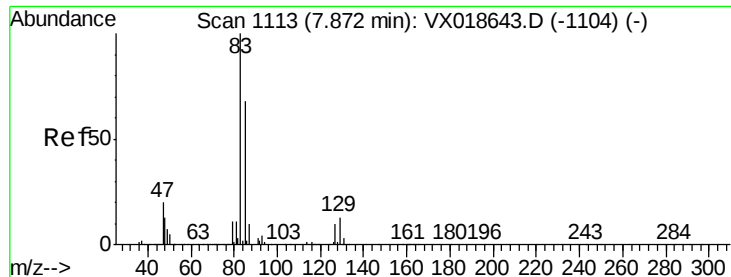


Abundance Ion 83.15 (82.85 to 83.85): VX0

Ion 55.10 (54.80 to 55.80): VX0

Ion 98.15 (97.85 to 98.85): VX0





#38

Bromodichloromethane

Concen: 0.365 ug/L

RT: 7.87 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VX018659.D

Acq: 29 Sep 2020 15:51

Instrument :

MSVOA_X

ClientSampleId :

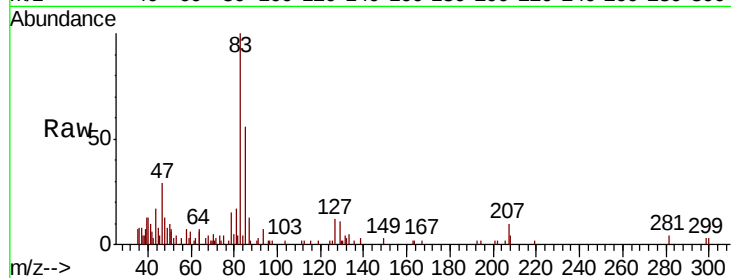
Tot Ion: 83 Resp: 6260

Ion Ratio Lower Upper

83 100

85 56.4 45.2 84.0

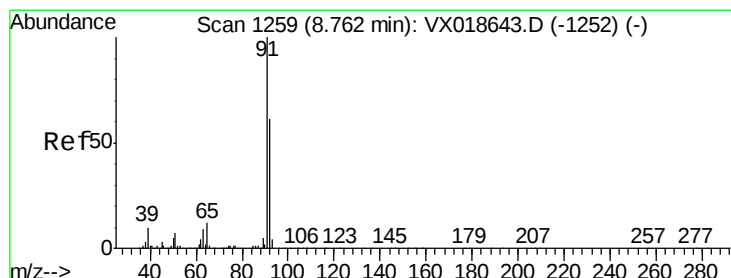
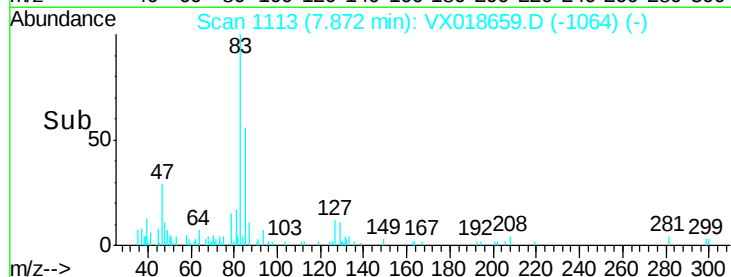
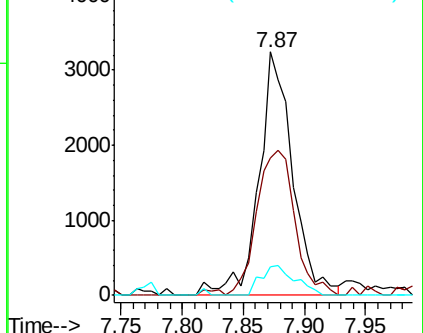
127 11.8 8.2 12.2



Abundance Ion 82.95 (82.65 to 83.65): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 126.90 (126.60 to 127.60): V



#42

Toluene

Concen: 0.080 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX018659.D

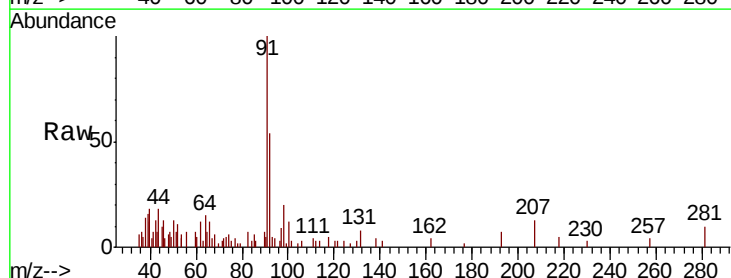
Acq: 29 Sep 2020 15:51

Tgt Ion: 91 Resp: 4094

Ion Ratio Lower Upper

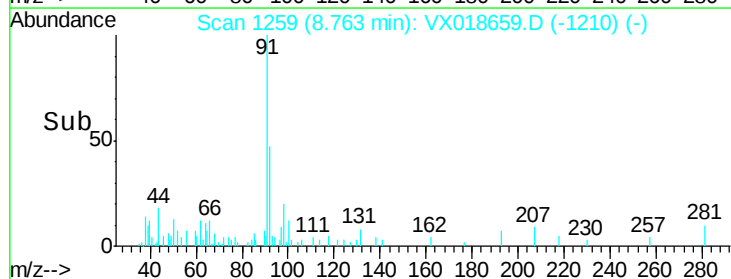
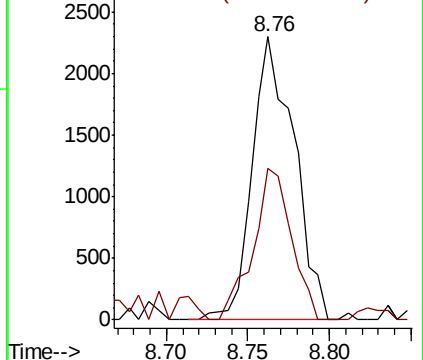
91 100

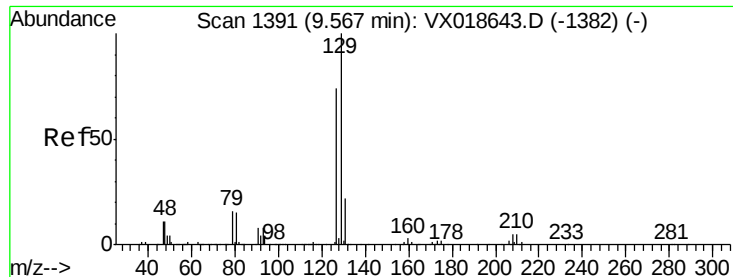
92 53.5 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 92.15 (91.85 to 92.85): VX0





#51

Dibromochloromethane

Concen: 0.100 ug/L

RT: 9.56 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX018659.D

Acq: 29 Sep 2020 15:51

Instrument :

MSVOA_X

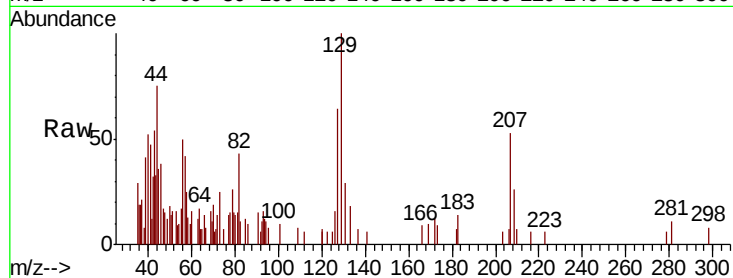
ClientSampled :

Tot Ion:129 Resp: 1198

Ion Ratio Lower Upper

129 100

127 64.1 55.0 102.2



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

9.56

800

600

400

200

0

9.55

9.56

9.57

9.58

9.59

9.60

9.61

9.62

9.63

9.64

9.65

9.66

9.67

9.68

9.69

9.70

9.71

9.72

9.73

9.74

9.75

9.76

9.77

9.78

9.79

9.80

9.81

9.82

9.83

9.84

9.85

9.86

9.87

9.88

9.89

9.90

9.91

9.92

9.93

9.94

9.95

9.96

9.97

9.98

9.99

10.00

10.01

10.02

10.03

10.04

10.05

10.06

10.07

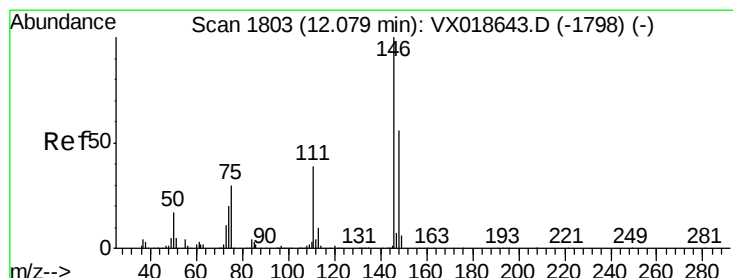
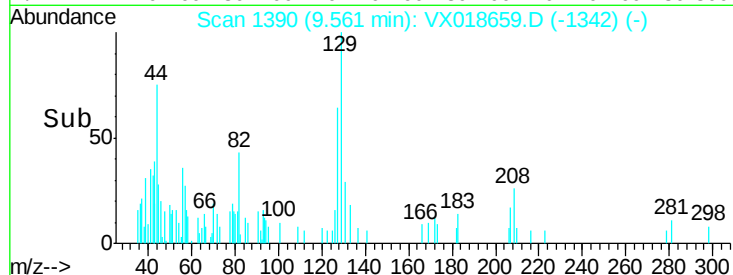
10.08

10.09

10.10

10.11

10.12



#64

1,4-Dichlorobenzene

Concen: 0.071 ug/L

RT: 12.09 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VX018659.D

Acq: 29 Sep 2020 15:51

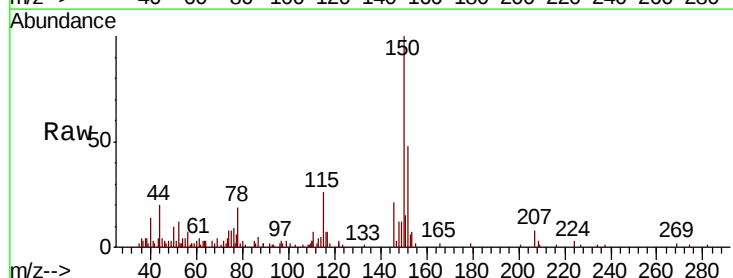
Tgt Ion:146 Resp: 1844

Ion Ratio Lower Upper

146 100

111 35.6 28.8 53.4

148 55.9 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

2000

1500

1000

500

0

12.05

12.06

12.07

12.08

12.09

12.10

12.11

12.12

12.13

12.14

12.15

12.16

12.17

12.18

12.19

12.20

12.21

12.22

12.23

12.24

12.25

12.26

12.27

12.28

12.29

