

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091620\
 Data File : VX018441.D
 Acq On : 16 Sep 2020 15:42
 Operator : JC/SP
 Sample : L3988-24
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FC-MW04S-20200910

Quant Time: Sep 17 04:19:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	424332	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	685749	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	672646	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	324897	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	308651	52.40	ug/l	0.00
Spiked Amount			Recovery	=	104.80%	
35) Dibromofluoromethane	5.46	113	241624	51.74	ug/l	0.00
Spiked Amount			Recovery	=	103.48%	
50) Toluene-d8	8.70	98	830026	47.72	ug/l	0.00
Spiked Amount			Recovery	=	95.44%	
62) 4-Bromofluorobenzene	11.12	95	313045	45.74	ug/l	0.00
Spiked Amount			Recovery	=	91.48%	

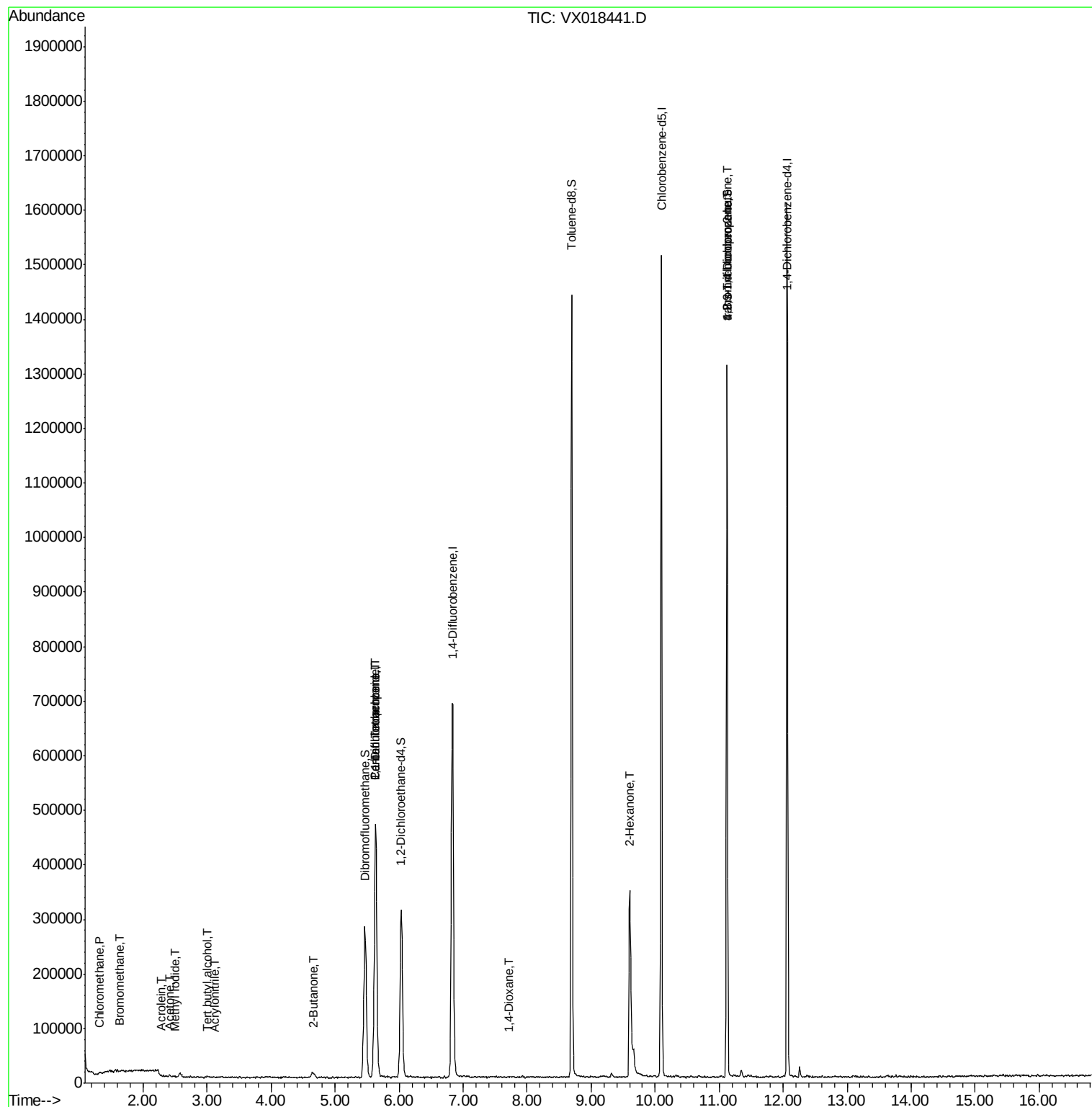
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1199	0.220	ug/l #	82
5) Bromomethane	1.64	94	669	0.256	ug/l #	6
10) Methyl Iodide	2.50	142	527	5.397	ug/l #	86
11) Tert butyl alcohol	3.01	59	1739	1.518	ug/l	96
13) Acrolein	2.29	56	185	0.390	ug/l #	14
15) Acrylonitrile	3.12	53	585	0.225	ug/l #	41
16) Acetone	2.42	43	4495	1.958	ug/l	93
20) Methylene Chloride	2.83	84	594	Below Cal	#	50
25) 2-Butanone	4.66	43	1260	0.334	ug/l #	51
36) 1,1-Dichloropropene	5.63	75	33658	5.321	ug/l #	53
38) Carbon Tetrachloride	5.63	117	44700	6.271	ug/l #	19
49) 1,4-Dioxane	7.71	88	113	1.056	ug/l #	1
59) 2-Hexanone	9.60	43	112304	20.151	ug/l #	38
76) 1,2,3-Trichloropropane	11.12	75	164337	22.738	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	164337	61.411	ug/l #	12

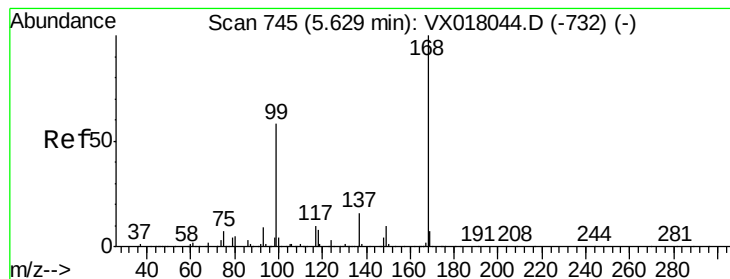
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091620\
Data File : VX018441.D
Acq On : 16 Sep 2020 15:42
Operator : JC/SP
Sample : L3988-24
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FC-MW04S-20200910

Quant Time: Sep 17 04:19:48 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018441.D

Acq: 16 Sep 2020 15:42

Instrument :

MSVOA_X

ClientSampleId :

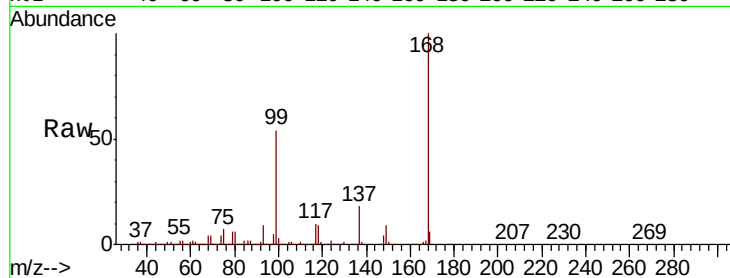
FC-MW04S-20200910

Tot Ion:168 Resp: 424332

Ion Ratio Lower Upper

168 100

99 54.1 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

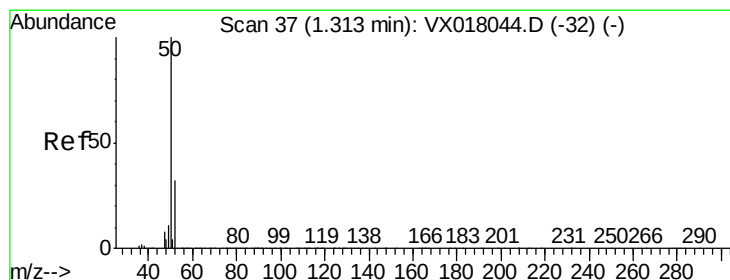
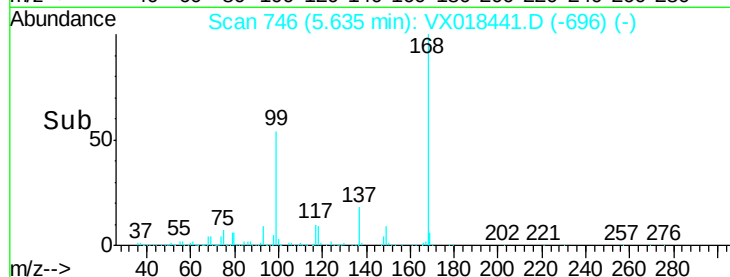
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.220 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018441.D

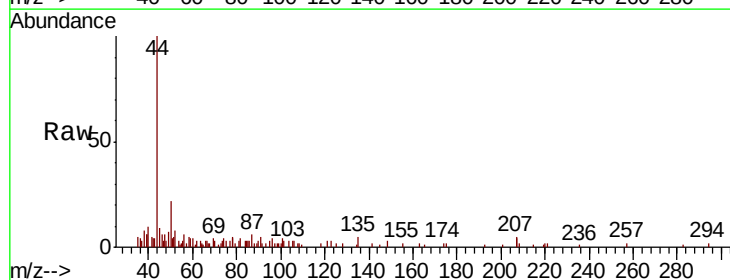
Acq: 16 Sep 2020 15:42

Tgt Ion: 50 Resp: 1199

Ion Ratio Lower Upper

50 100

52 41.8 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1000

800

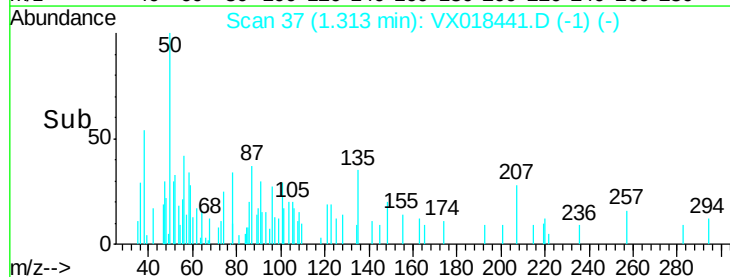
600

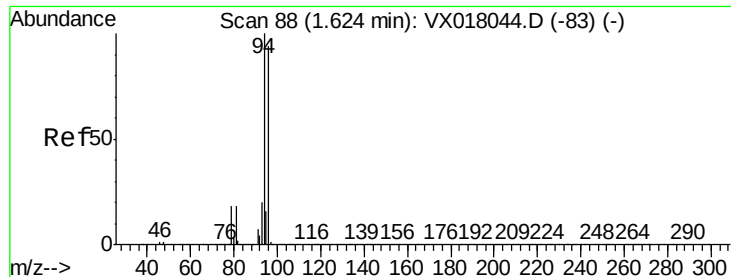
400

200

0

Time-->





#5

Bromomethane

Concen: 0.256 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX018441.D

Acq: 16 Sep 2020 15:42

Instrument :

MSVOA_X

ClientSampleId :

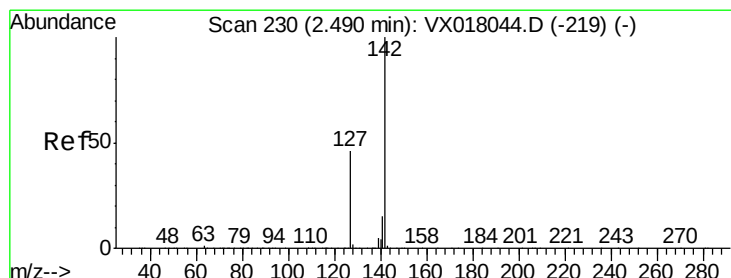
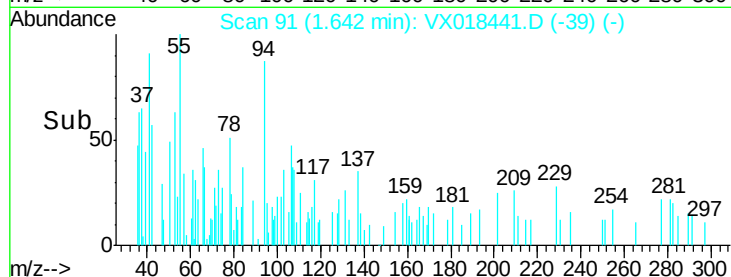
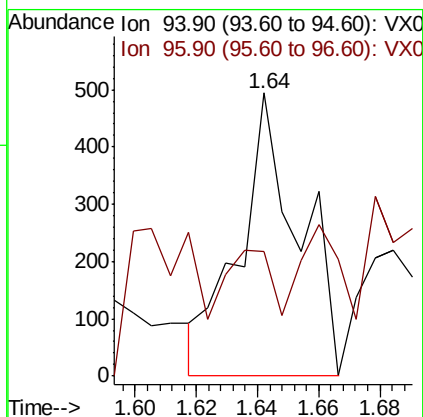
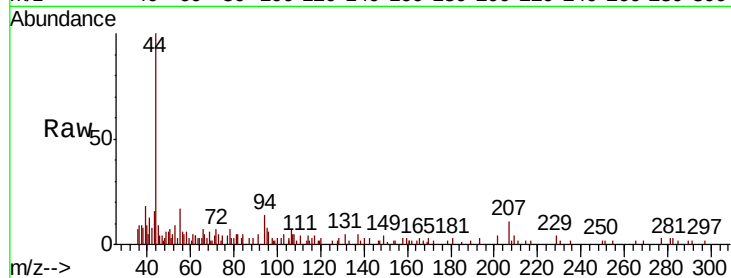
FC-MW04S-20200910

Tot Ion: 94 Resp: 669

Ion Ratio Lower Upper

94 100

96 2.8 74.8 112.2#



#10

Methyl Iodide

Concen: 5.397 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX018441.D

Acq: 16 Sep 2020 15:42

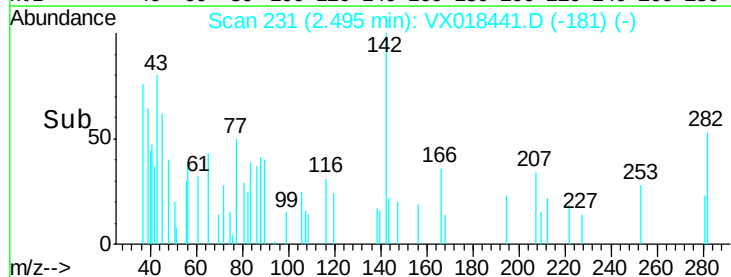
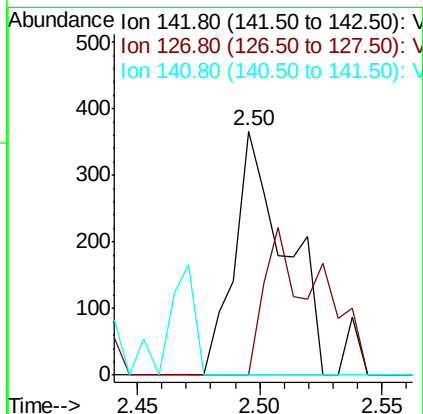
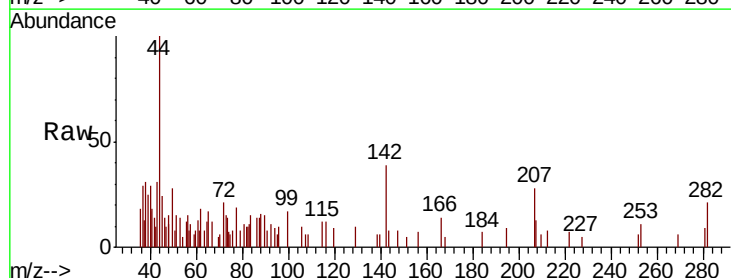
Tgt Ion: 142 Resp: 527

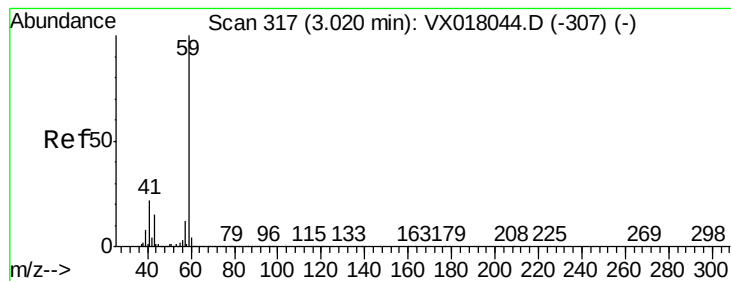
Ion Ratio Lower Upper

142 100

127 41.2 37.0 55.6

141 0.0 11.5 17.3#



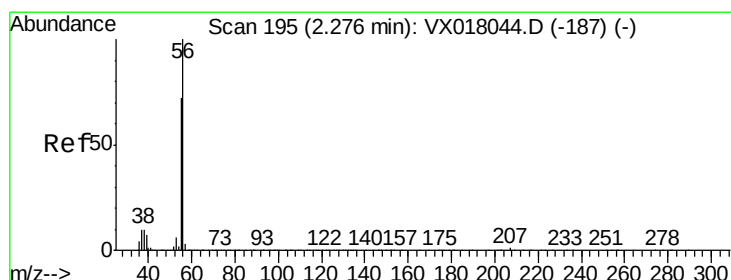
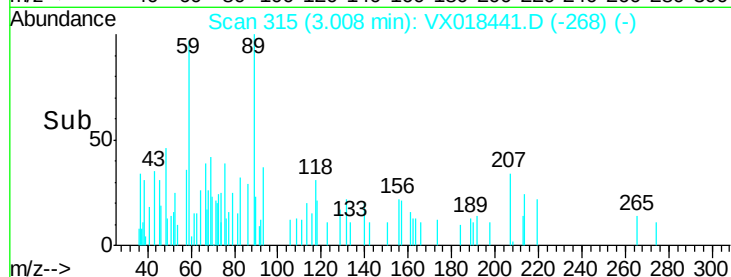
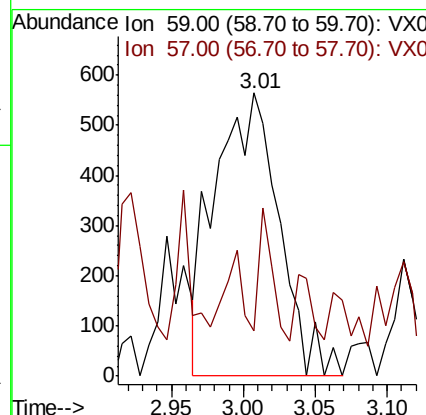
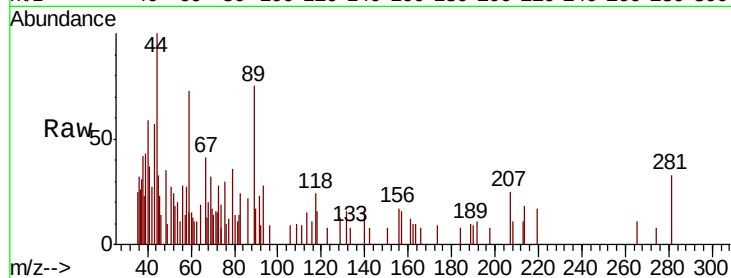


#11

Tert butyl alcohol
 Concen: 1.518 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX018441.D
 Acq: 16 Sep 2020 15:42

Instrument :
 MSVOA_X
 ClientSampleId :
 FC-MW04S-20200910

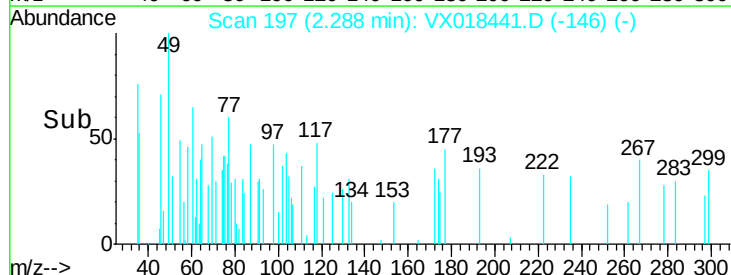
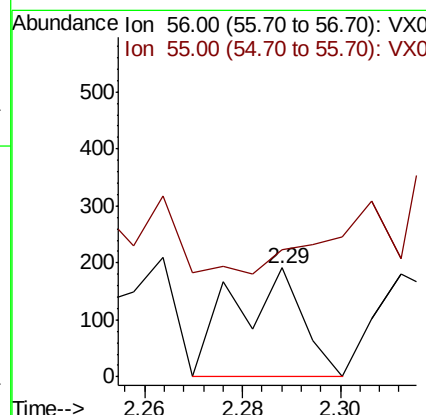
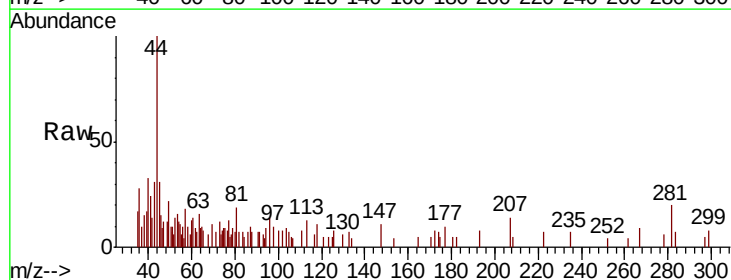
Tot Ion: 59 Resp: 1739
 Ion Ratio Lower Upper
 59 100
 57 12.8 8.9 13.3

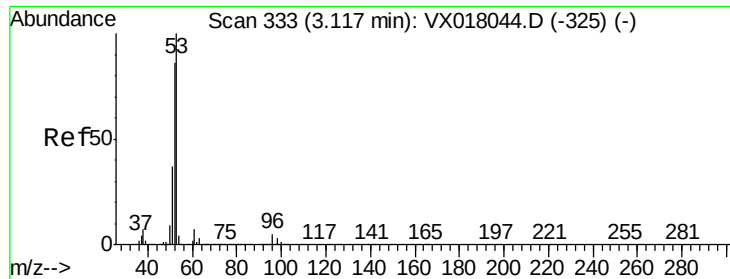


#13

Acrolein
 Concen: 0.390 ug/l
 RT: 2.29 min Scan# 197
 Delta R.T. 0.01 min
 Lab File: VX018441.D
 Acq: 16 Sep 2020 15:42

Tgt Ion: 56 Resp: 185
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.0 85.6#





#15

Acrylonitrile

Concen: 0.225 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX018441.D

Acq: 16 Sep 2020 15:42

Instrument :

MSVOA_X

ClientSampleId :

FC-MW04S-20200910

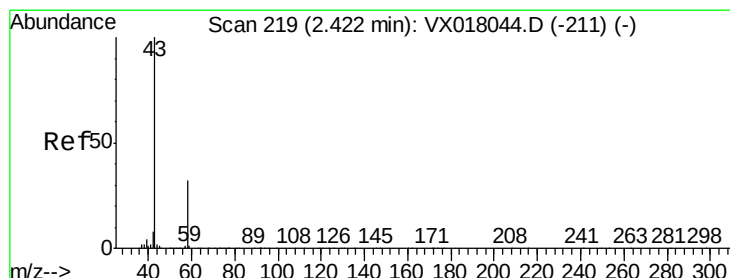
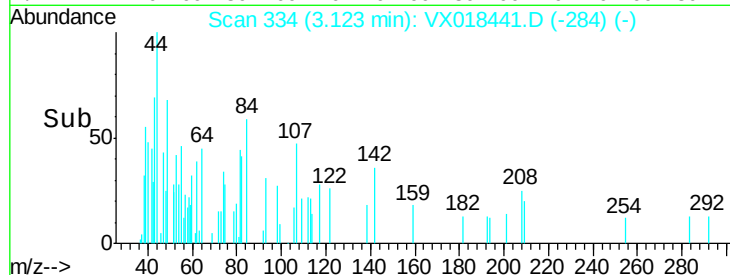
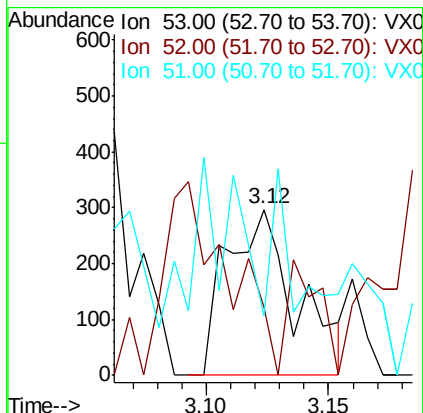
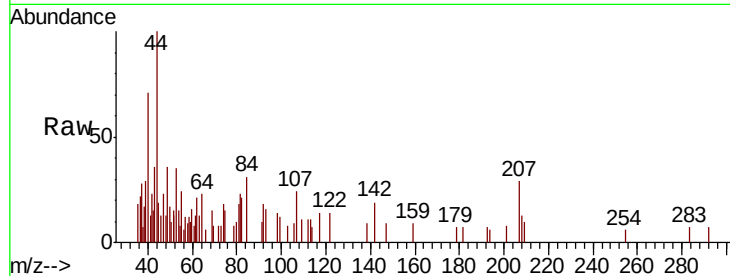
Tot Ion: 53 Resp: 585

Ion Ratio Lower Upper

53 100

52 31.6 66.9 100.3#

51 0.0 28.7 43.1#



#16

Acetone

Concen: 1.958 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX018441.D

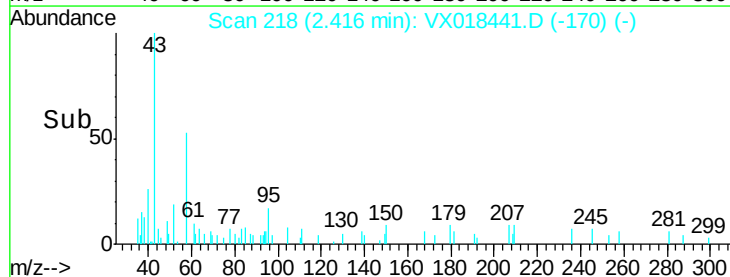
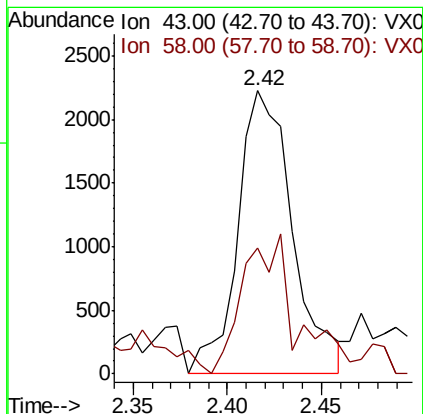
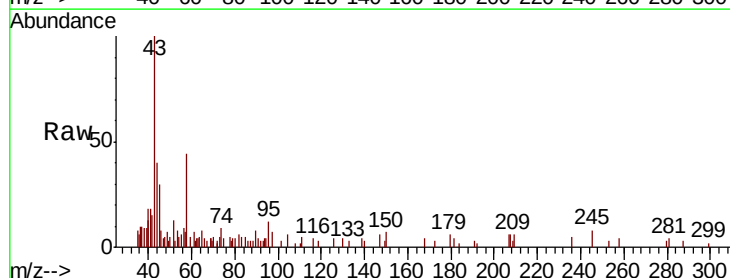
Acq: 16 Sep 2020 15:42

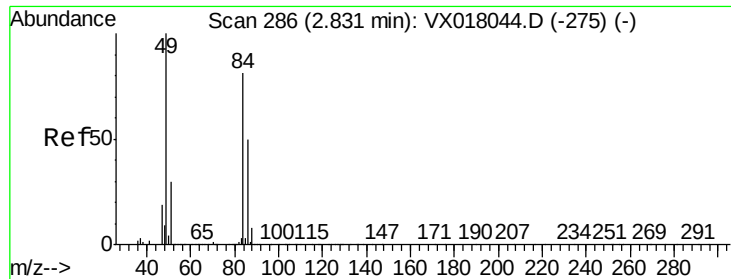
Tgt Ion: 43 Resp: 4495

Ion Ratio Lower Upper

43 100

58 35.8 25.5 38.3

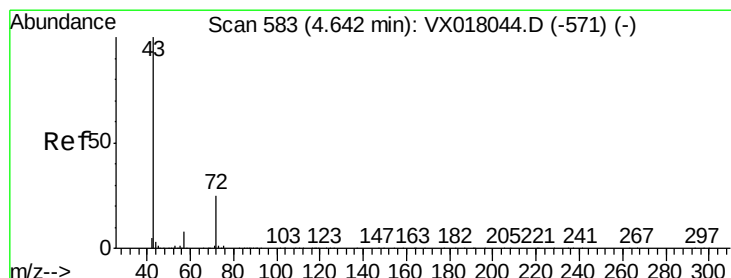
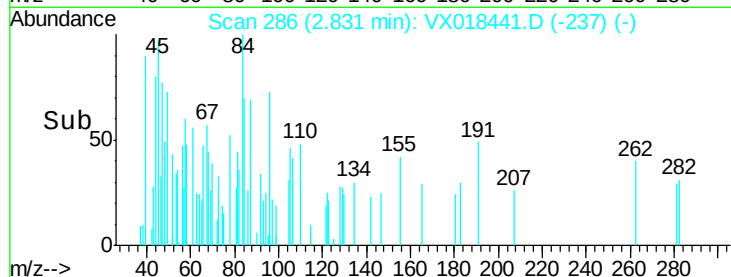
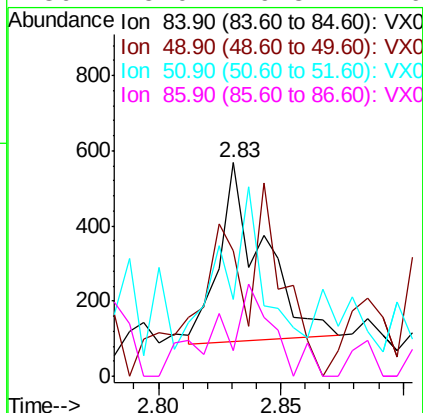
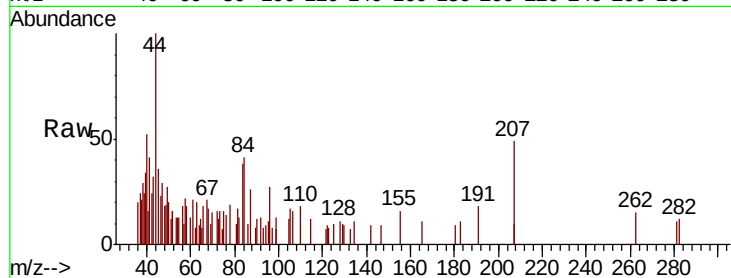




#20
Methylene Chloride
Concen: Below Cal
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX018441.D
Acq: 16 Sep 2020 15:42

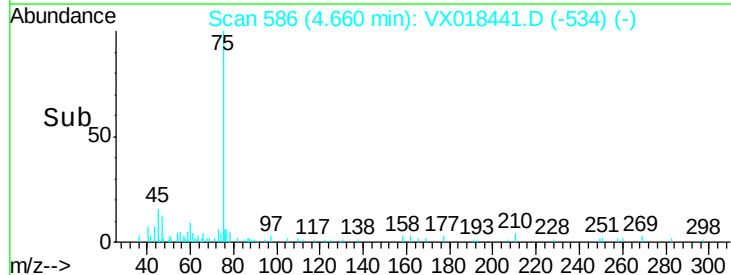
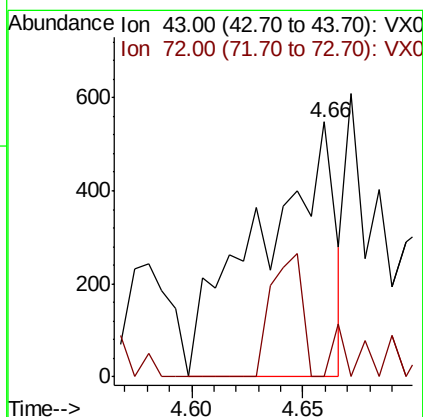
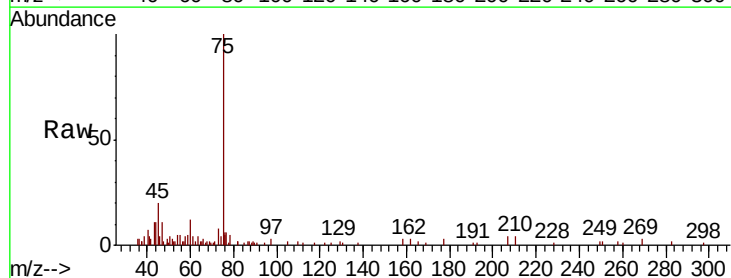
Instrument :
MSVOA_X
ClientSampleId :
FC-MW04S-20200910

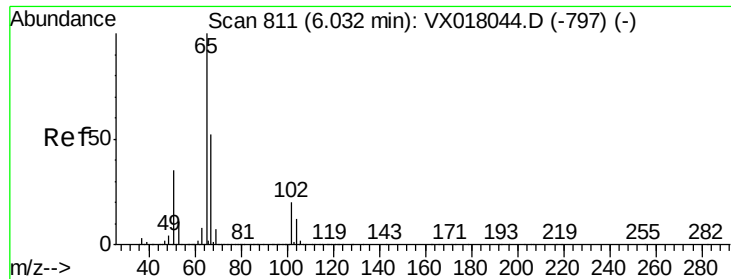
Tot Ion: 84 Resp: 594
Ion Ratio Lower Upper
84 100
49 57.7 98.6 148.0#
51 40.7 29.6 44.4
86 15.0 49.8 74.6#



#25
2-Butanone
Concen: 0.334 ug/l
RT: 4.66 min Scan# 586
Delta R.T. 0.02 min
Lab File: VX018441.D
Acq: 16 Sep 2020 15:42

Tgt Ion: 43 Resp: 1260
Ion Ratio Lower Upper
43 100
72 0.0 19.8 29.6#





#33

1,2-Dichloroethane-d4

Concen: 52.395 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018441.D

Acq: 16 Sep 2020 15:42

Instrument :

MSVOA_X

ClientSampleId :

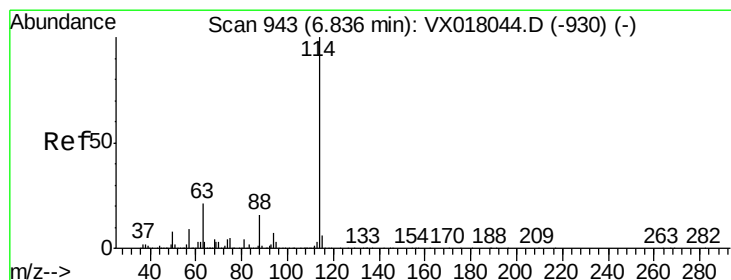
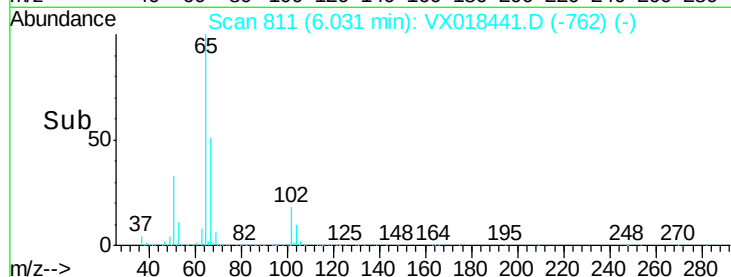
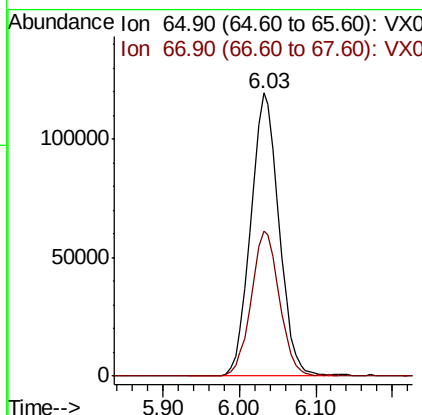
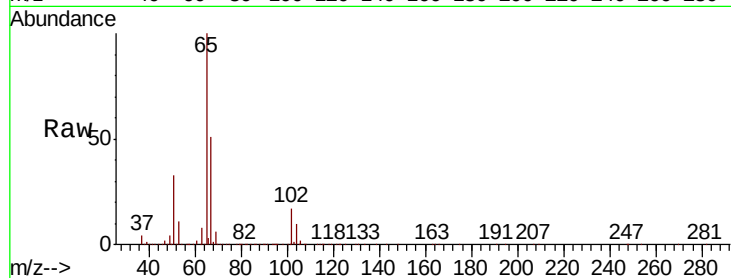
FC-MW04S-20200910

Tot Ion: 65 Resp: 308651

Ion Ratio Lower Upper

65 100

67 50.8 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. -0.00 min

Lab File: VX018441.D

Acq: 16 Sep 2020 15:42

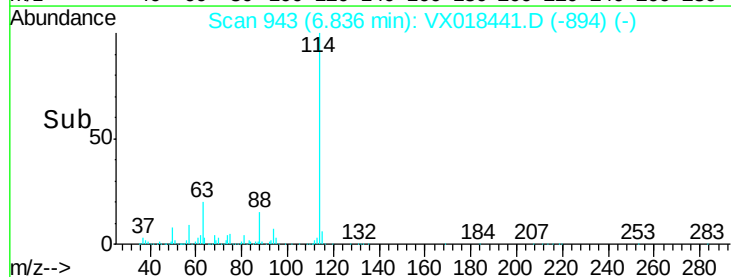
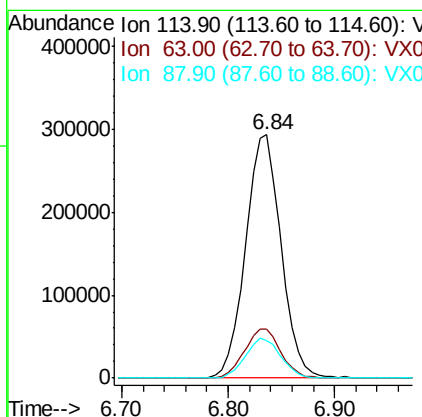
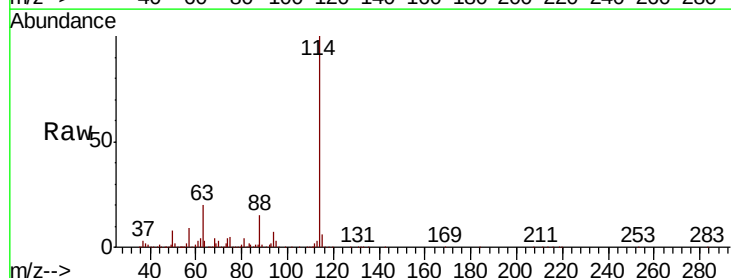
Tgt Ion: 114 Resp: 685749

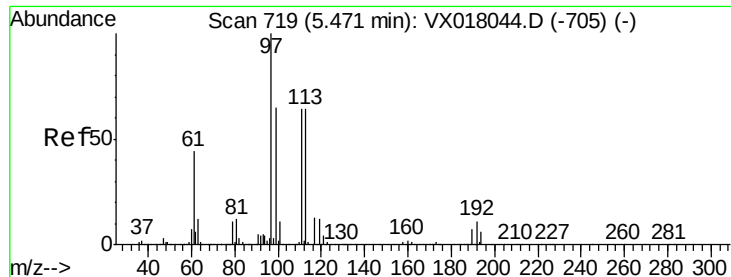
Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.6

88 15.2 0.0 31.8





#35

Dibromofluoromethane

Concen: 51.736 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018441.D

Acq: 16 Sep 2020 15:42

Instrument :

MSVOA_X

ClientSampleId :

FC-MW04S-20200910

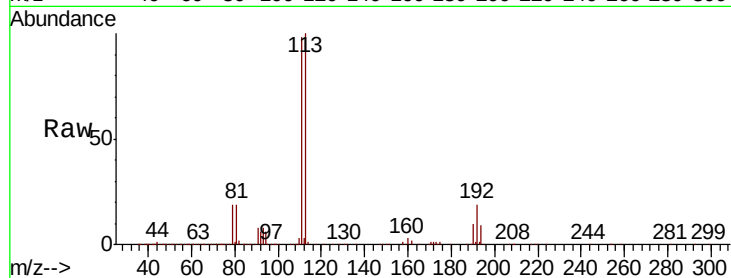
Tot Ion:113 Resp: 241624

Ion Ratio Lower Upper

113 100

111 100.2 81.6 122.4

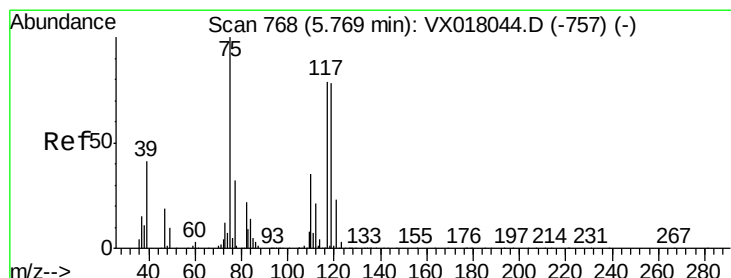
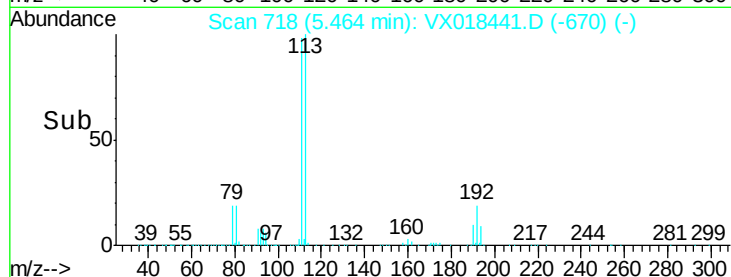
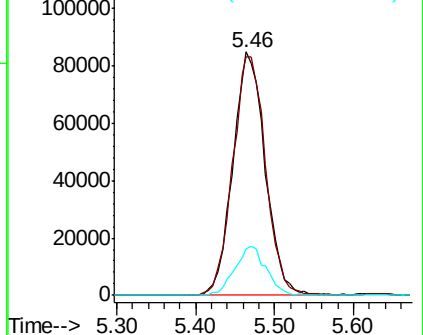
192 19.7 15.8 23.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.321 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018441.D

Acq: 16 Sep 2020 15:42

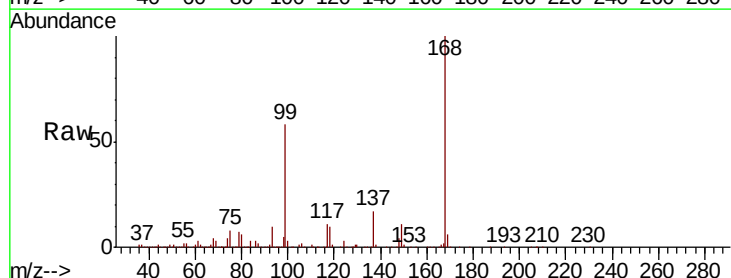
Tgt Ion: 75 Resp: 33658

Ion Ratio Lower Upper

75 100

110 11.3 18.0 54.0#

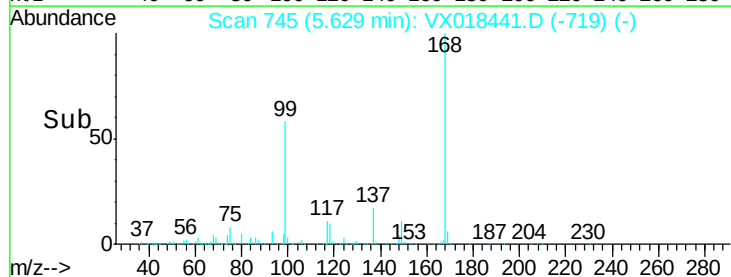
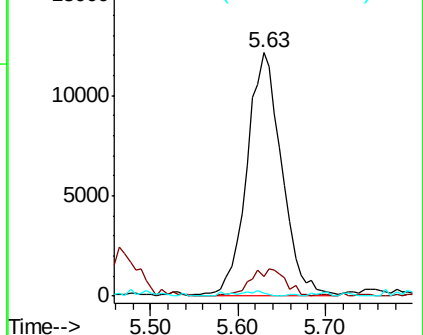
77 1.1 24.4 36.6#

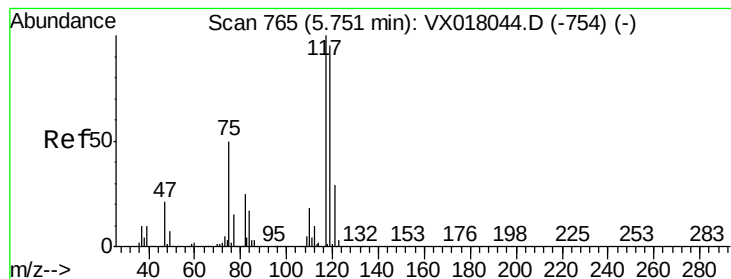


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.271 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018441.D

Acq: 16 Sep 2020 15:42

Instrument :

MSVOA_X

ClientSampleId :

FC-MW04S-20200910

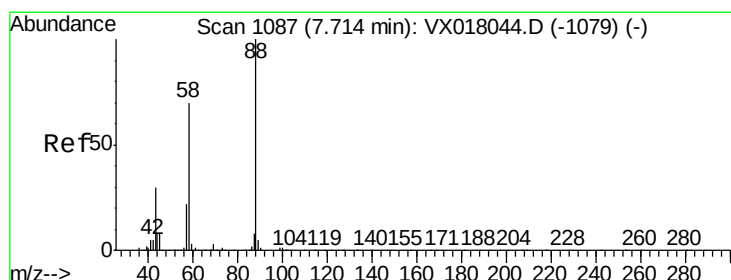
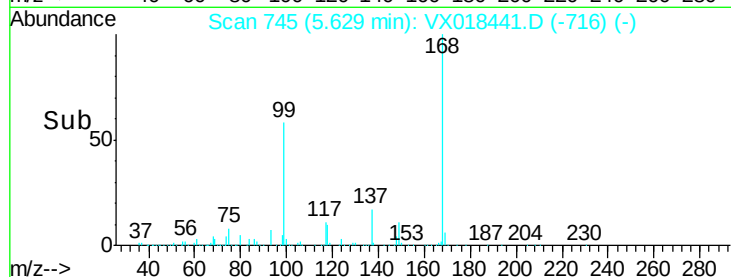
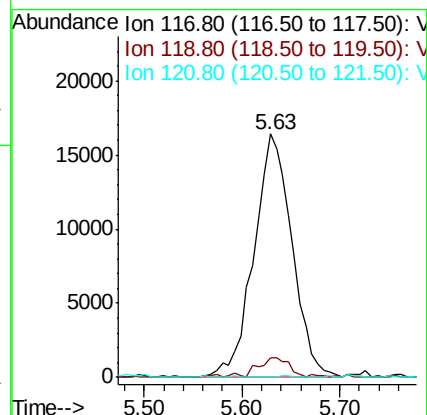
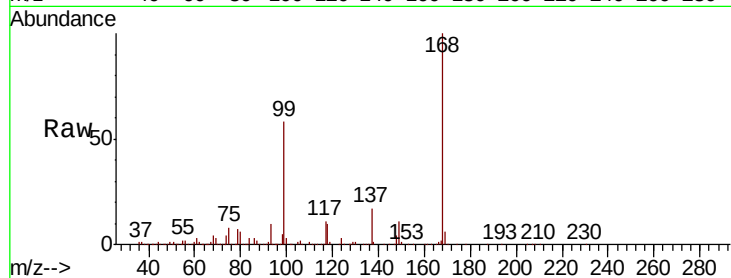
Tot Ion:117 Resp: 44700

Ion Ratio Lower Upper

117 100

119 8.2 75.8 113.6#

121 0.0 23.4 35.0#



#49

1,4-Dioxane

Concen: 1.056 ug/l

RT: 7.71 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX018441.D

Acq: 16 Sep 2020 15:42

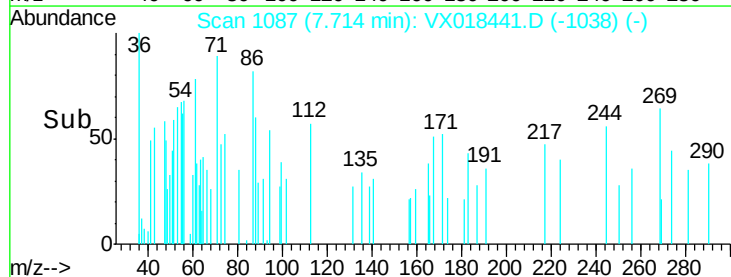
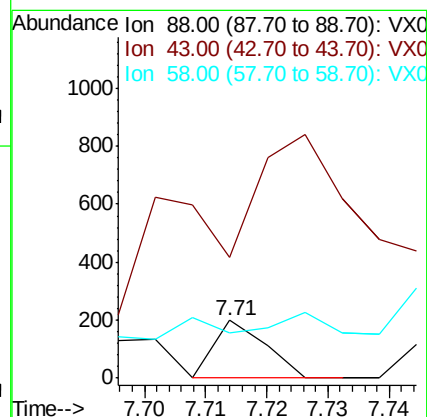
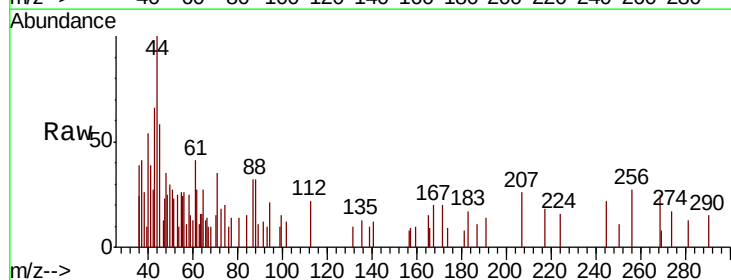
Tgt Ion: 88 Resp: 113

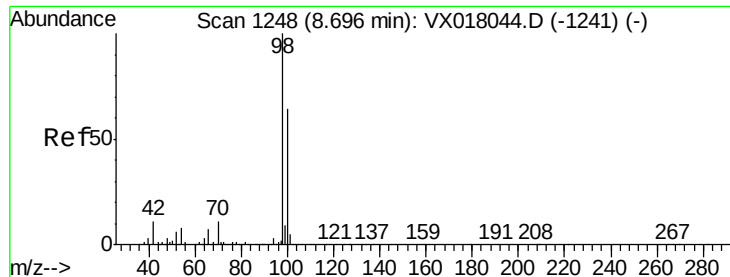
Ion Ratio Lower Upper

88 100

43 1091.2 27.4 41.0#

58 460.2 56.4 84.6#





#50

Toluene-d8

Concen: 47.717 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018441.D

Acq: 16 Sep 2020 15:42

Instrument :

MSVOA_X

ClientSampleId :

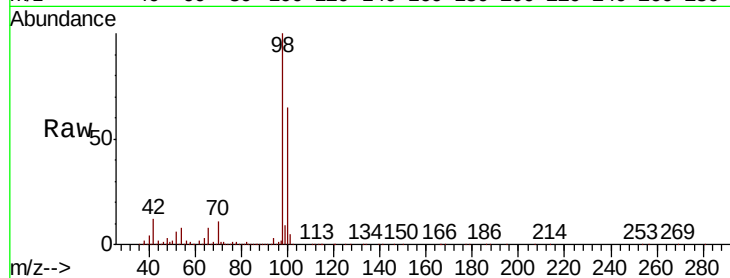
FC-MW04S-20200910

Tot Ion: 98 Resp: 830026

Ion Ratio Lower Upper

98 100

100 65.1 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.70

600000

500000

400000

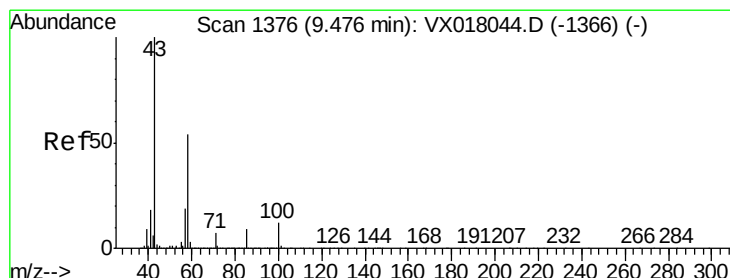
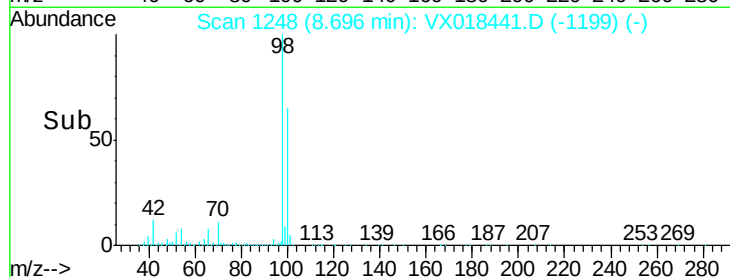
300000

200000

100000

0

Time--> 8.60 8.65 8.70 8.75 8.80



#59

2-Hexanone

Concen: 20.151 ug/l

RT: 9.60 min Scan# 1396

Delta R.T. 0.12 min

Lab File: VX018441.D

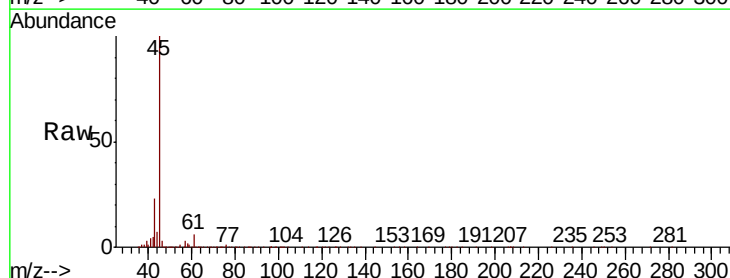
Acq: 16 Sep 2020 15:42

Tgt Ion: 43 Resp: 112304

Ion Ratio Lower Upper

43 100

58 8.9 26.6 79.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

50000

40000

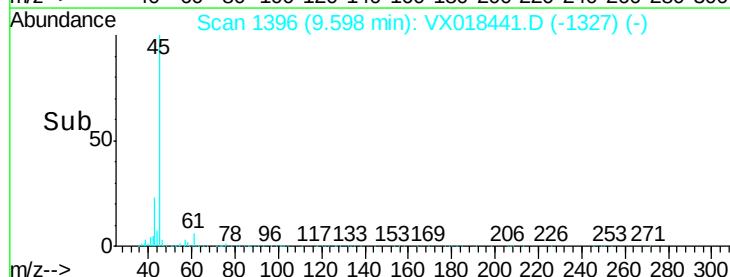
30000

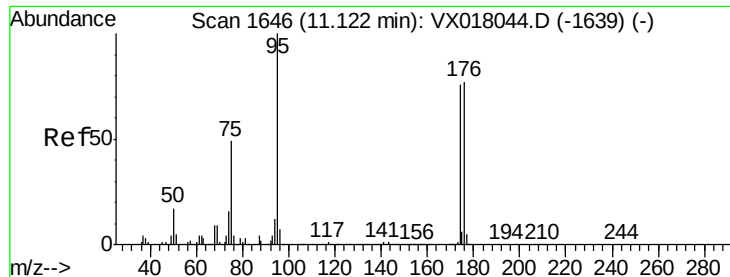
20000

10000

0

Time--> 9.50 9.60 9.70





#62

4-Bromofluorobenzene

Concen: 45.741 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018441.D

Acq: 16 Sep 2020 15:42

Instrument :

MSVOA_X

ClientSampleId :

FC-MW04S-20200910

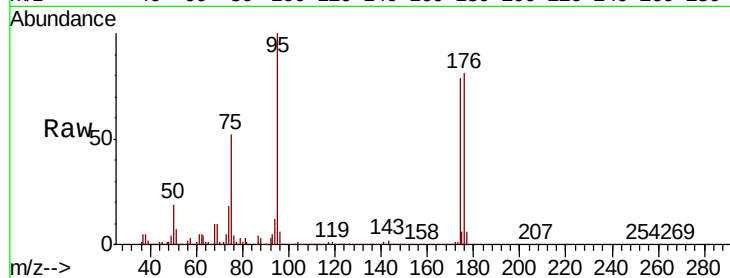
Tot Ion: 95 Resp: 313045

Ion Ratio Lower Upper

95 100

174 81.6 0.0 160.2

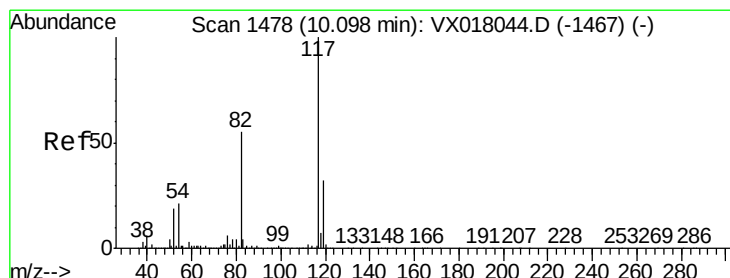
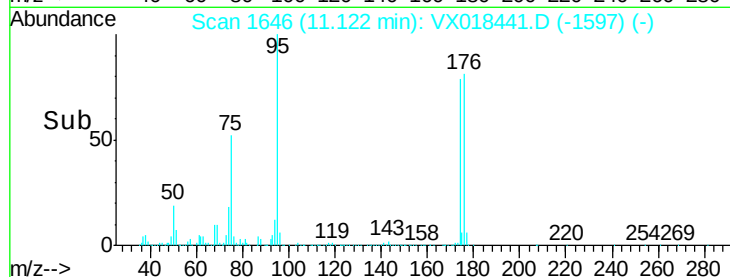
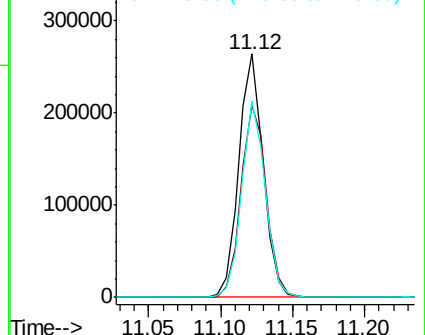
176 78.1 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018441.D

Acq: 16 Sep 2020 15:42

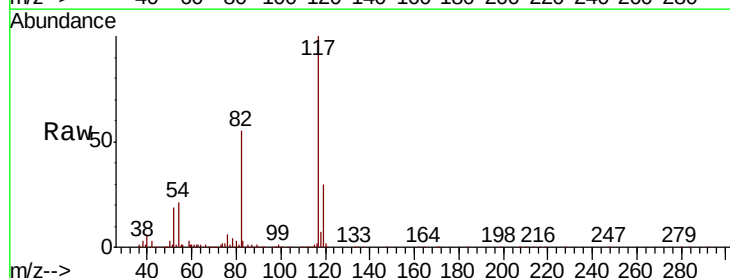
Tgt Ion: 117 Resp: 672646

Ion Ratio Lower Upper

117 100

82 54.6 44.2 66.2

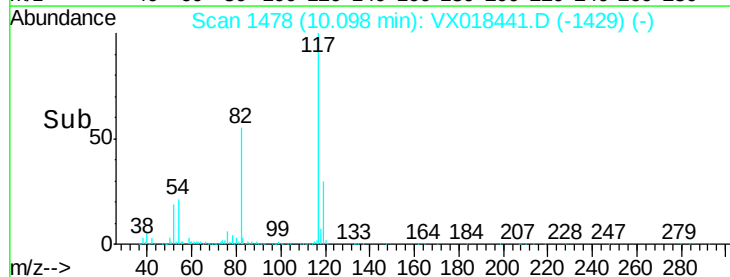
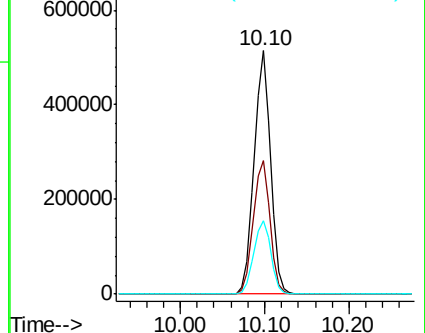
119 30.2 25.7 38.5

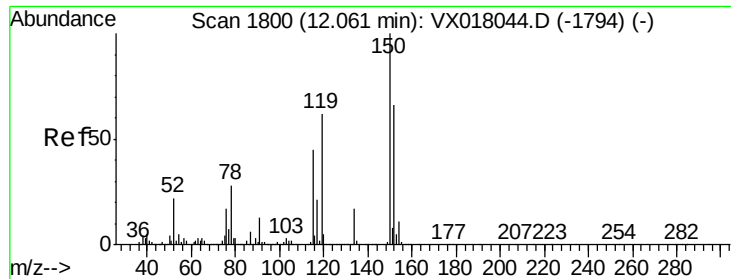


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0

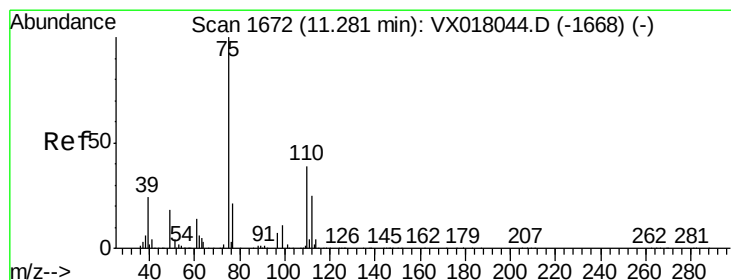
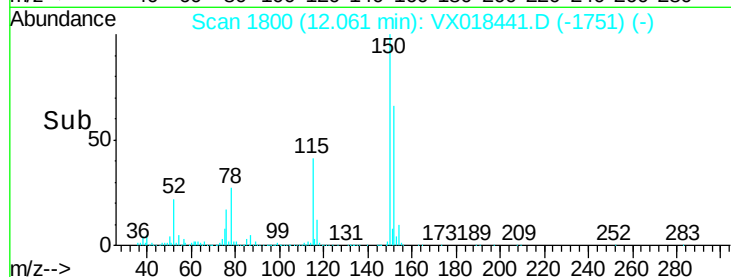
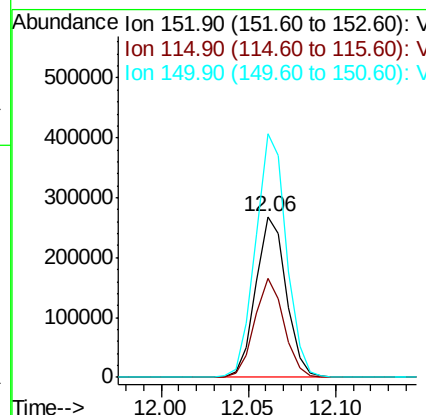
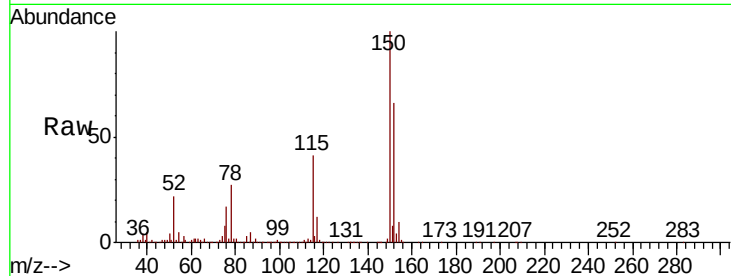




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.06 min Scan# 1800
 Delta R.T. -0.00 min
 Lab File: VX018441.D
 Acq: 16 Sep 2020 15:42

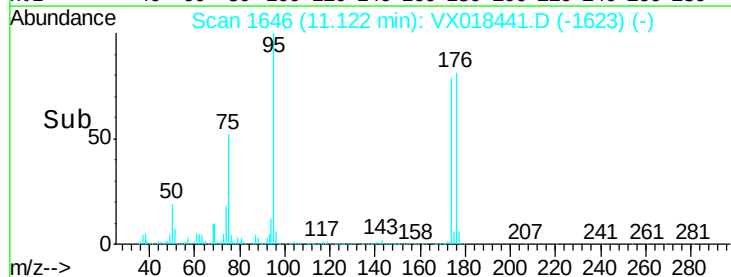
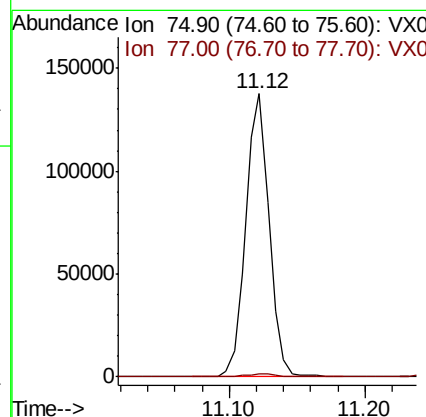
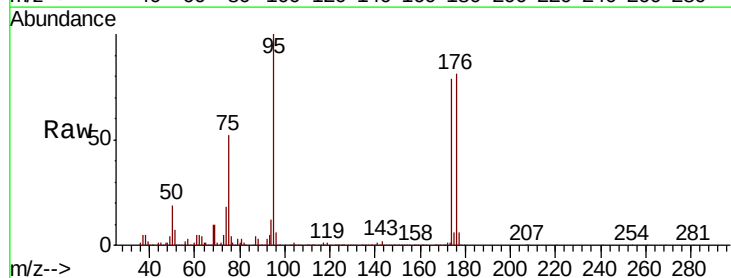
Instrument :
 MSVOA_X
 ClientSampleId :
 FC-MW04S-20200910

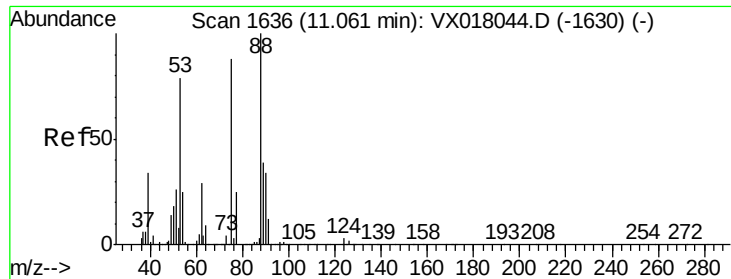
Tot Ion:152 Resp: 324897
 Ion Ratio Lower Upper
 152 100
 115 59.7 41.5 124.5
 150 153.7 0.0 343.8



#76
 1,2,3-Trichloropropane
 Concen: 22.738 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX018441.D
 Acq: 16 Sep 2020 15:42

Tgt Ion: 75 Resp: 164337
 Ion Ratio Lower Upper
 75 100
 77 1.4 20.8 62.2#





#81

trans-1,4-Dichloro-2-butene

Concen: 61.411 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018441.D

Acq: 16 Sep 2020 15:42

Instrument :

MSVOA_X

ClientSampleId :

FC-MW04S-20200910

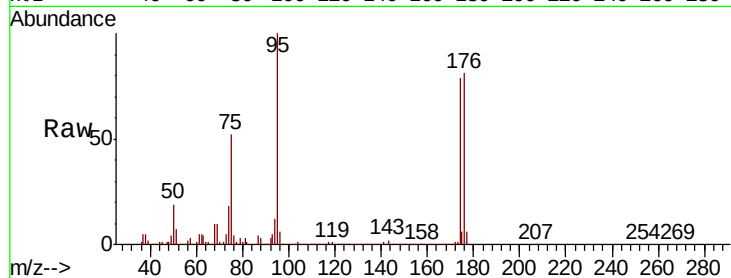
Tot Ion: 75 Resp: 164337

Ion Ratio Lower Upper

75 100

53 0.5 74.7 112.1#

89 0.0 36.6 54.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

