

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073020\
 Data File : VX017682.D
 Acq On : 30 Jul 2020 14:26
 Operator : JC/SP
 Sample : L3514-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RW-12D

Quant Time: Jul 31 11:51:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 24 05:48:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	485642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	787441	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	847732	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	461270	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	326259	52.30	ug/l	0.00
Spiked Amount			Recovery	=	104.60%	
35) Dibromofluoromethane	5.47	113	272383	51.72	ug/l	0.00
Spiked Amount			Recovery	=	103.44%	
50) Toluene-d8	8.70	98	992316	52.23	ug/l	0.00
Spiked Amount			Recovery	=	104.46%	
62) 4-Bromofluorobenzene	11.12	95	436097	57.36	ug/l	0.00
Spiked Amount			Recovery	=	114.72%	

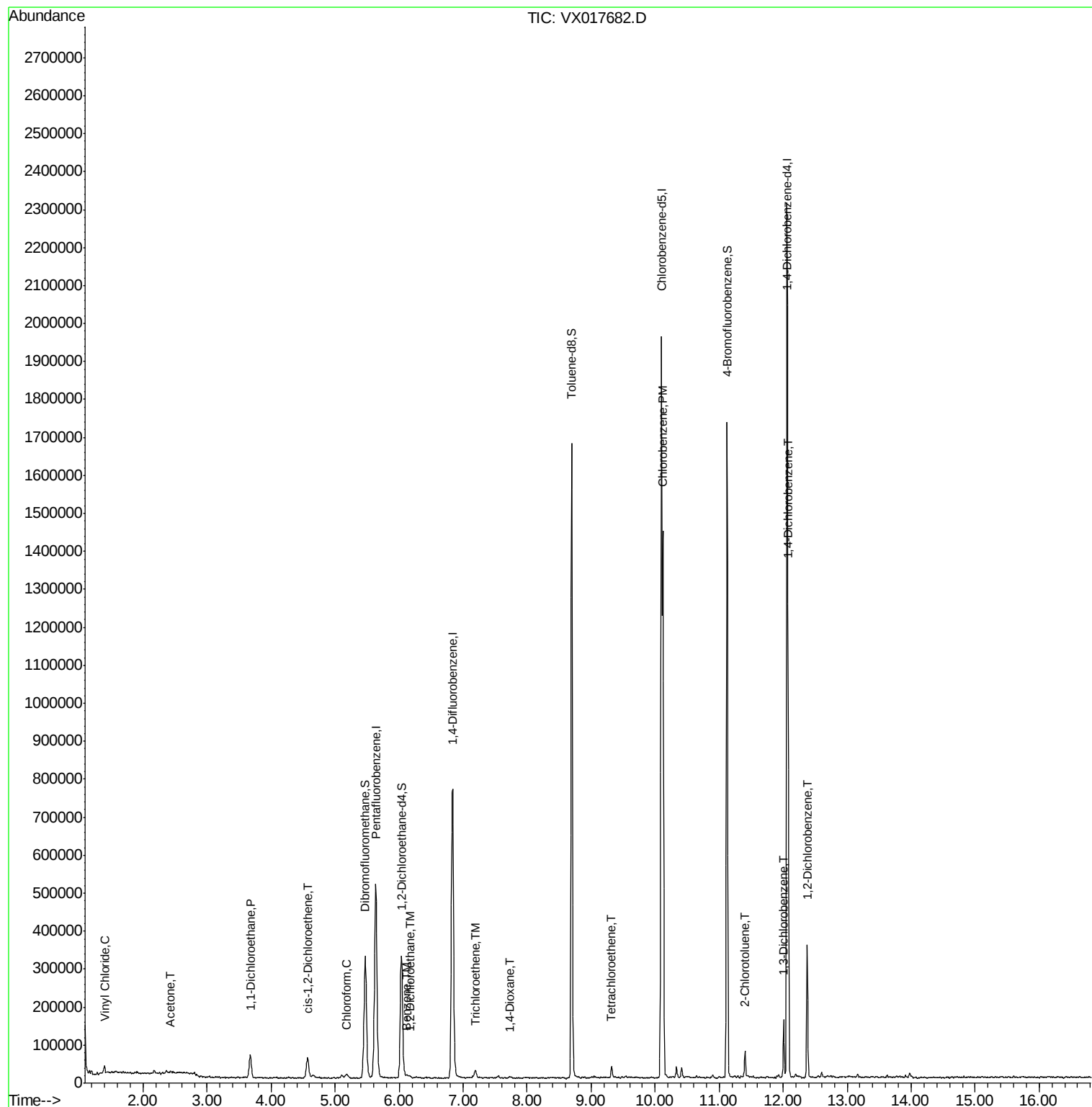
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	11362	1.859	ug/l	89
16) Acetone	2.42	43	3923	1.429	ug/l	97
24) 1,1-Dichloroethane	3.67	63	69941	7.250	ug/l #	96
27) cis-1,2-Dichloroethene	4.57	96	35047	6.005	ug/l	86
30) Chloroform	5.18	83	12662	1.284	ug/l	92
40) Benzene	6.12	78	8636	0.399	ug/l #	83
42) 1,2-Dichloroethane	6.17	62	6363	0.718	ug/l	97
44) Trichloroethene	7.19	130	6314	0.998	ug/l	80
49) 1,4-Dioxane	7.73	88	3755	28.980	ug/l	94
64) Tetrachloroethene	9.32	164	5708	0.750	ug/l	92
65) Chlorobenzene	10.12	112	602867	32.855	ug/l	98
79) 2-Chlorotoluene	11.40	91	30172	1.365	ug/l	98
87) 1,3-Dichlorobenzene	12.01	146	50792	3.339	ug/l	100
88) 1,4-Dichlorobenzene	12.08	146	187420	11.894	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	110991	7.423	ug/l	100

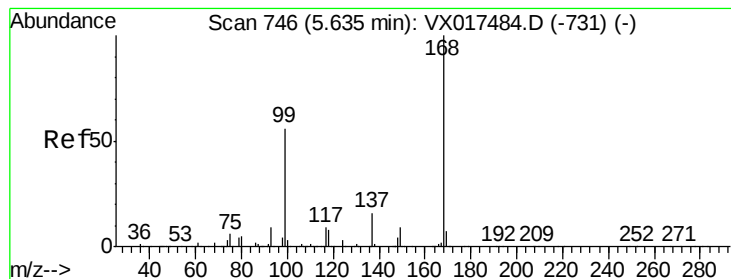
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 24 05:48:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017682.D

Acq: 30 Jul 2020 14:26

Instrument :

MSVOA_X

ClientSampleId :

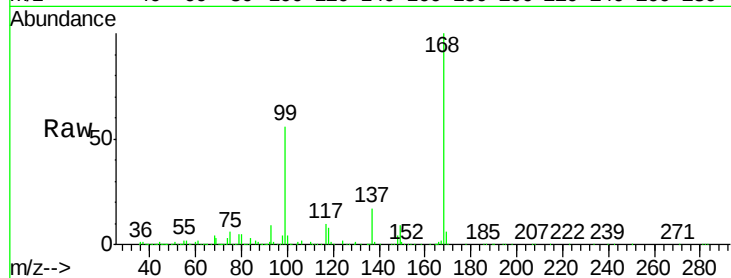
RW-12D

Tot Ion:168 Resp: 485642

Ion Ratio Lower Upper

168 100

99 56.0 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

200000

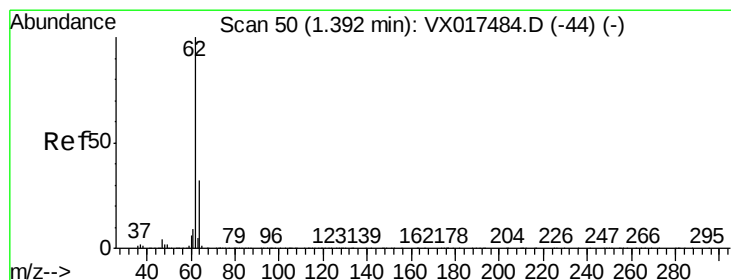
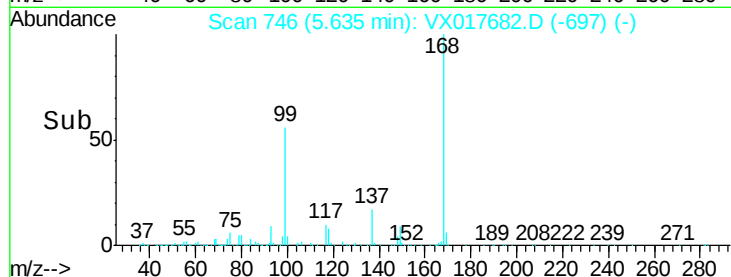
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 1.859 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX017682.D

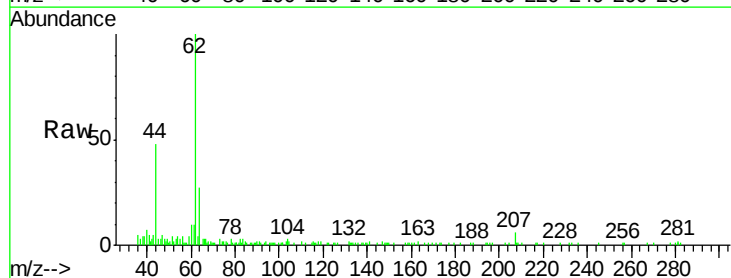
Acq: 30 Jul 2020 14:26

Tgt Ion: 62 Resp: 11362

Ion Ratio Lower Upper

62 100

64 25.3 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

12000

10000

8000

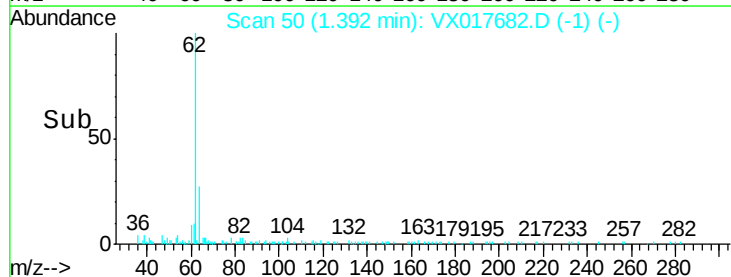
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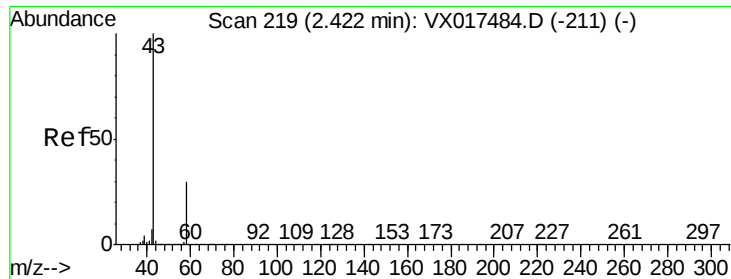
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2000

0

Time-->

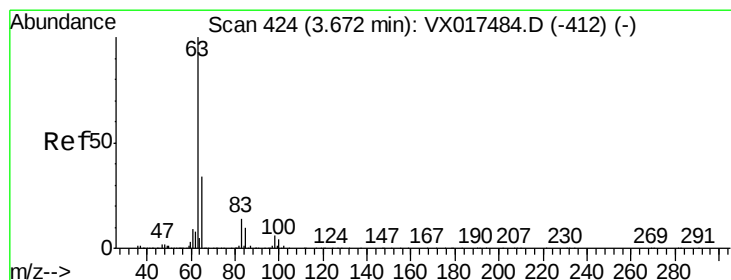
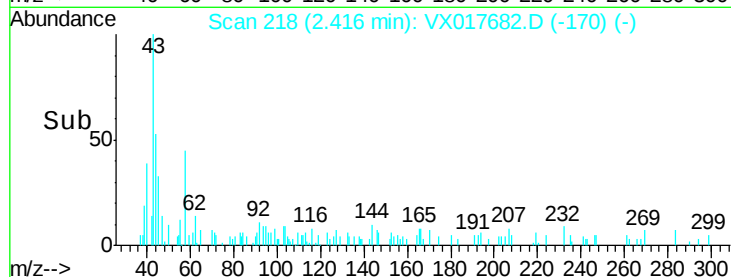
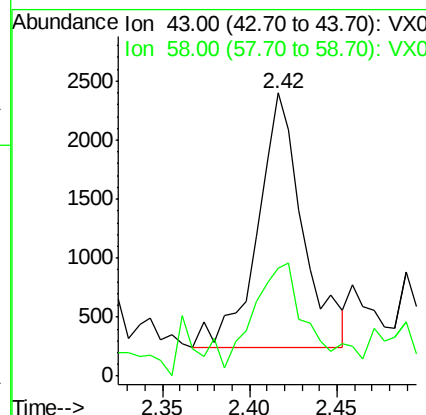
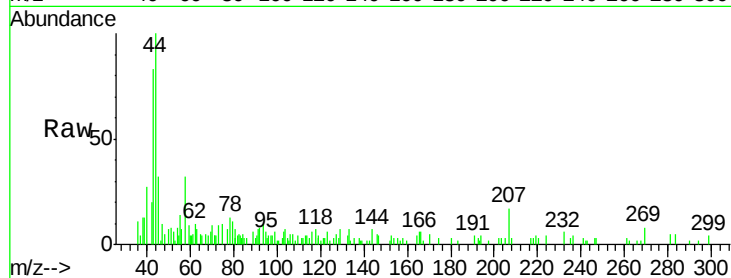




#16
Acetone
Concen: 1.429 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX017682.D
Acq: 30 Jul 2020 14:26

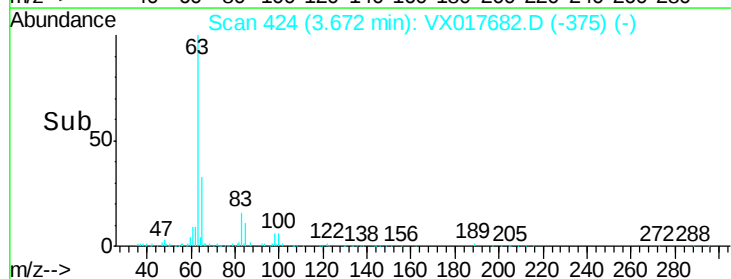
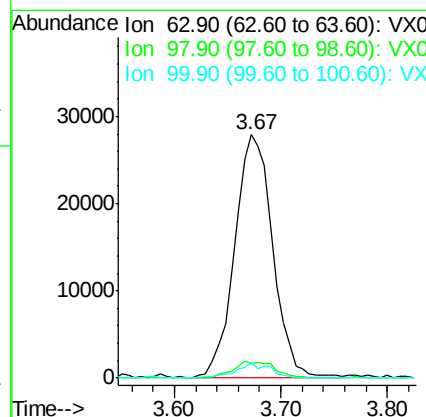
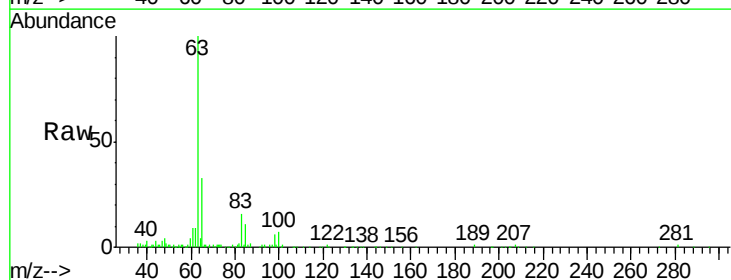
Instrument :
MSVOA_X
ClientSampled :
RW-12D

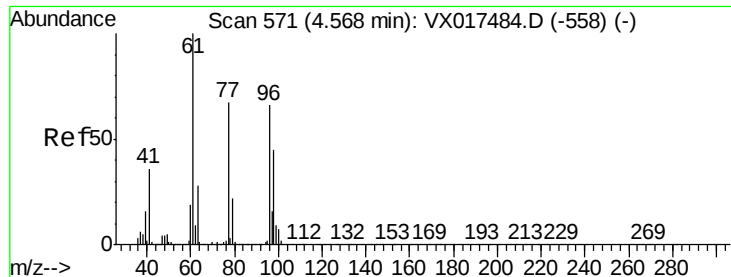
Tot Ion: 43 Resp: 3923
Ion Ratio Lower Upper
43 100
58 31.8 24.2 36.4



#24
1,1-Dichloroethane
Concen: 7.250 ug/l
RT: 3.67 min Scan# 424
Delta R.T. -0.00 min
Lab File: VX017682.D
Acq: 30 Jul 2020 14:26

Tgt Ion: 63 Resp: 69941
Ion Ratio Lower Upper
63 100
98 6.2 3.4 10.1
100 6.5 1.9 5.7#





#27

cis-1,2-Dichloroethene

Concen: 6.005 ug/l

RT: 4.57 min Scan# 571

Delta R.T. -0.00 min

Lab File: VX017682.D

Acq: 30 Jul 2020 14:26

Instrument :

MSVOA_X

ClientSampleId :

RW-12D

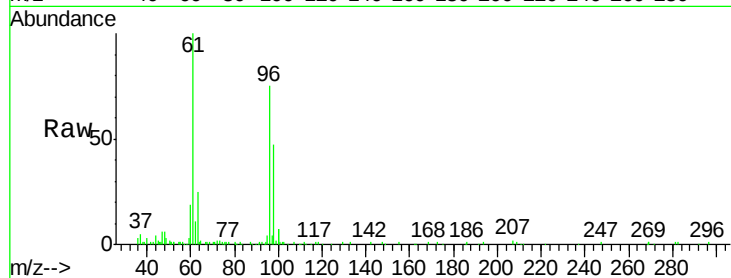
Tot Ion: 96 Resp: 35047

Ion Ratio Lower Upper

96 100

61 126.9 0.0 301.2

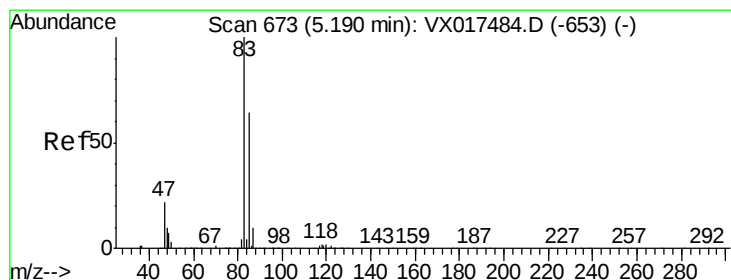
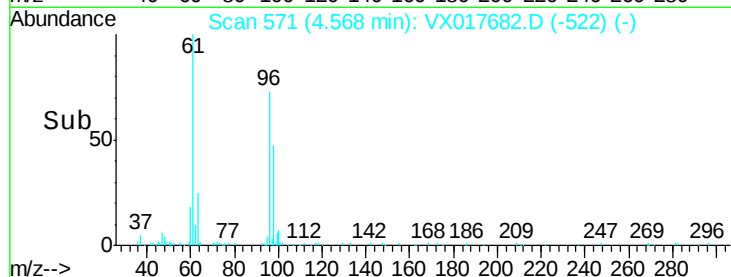
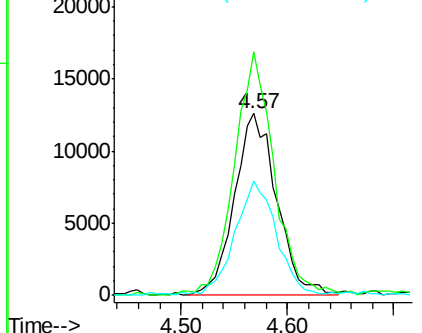
98 61.6 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#30

Chloroform

Concen: 1.284 ug/l

RT: 5.18 min Scan# 671

Delta R.T. -0.01 min

Lab File: VX017682.D

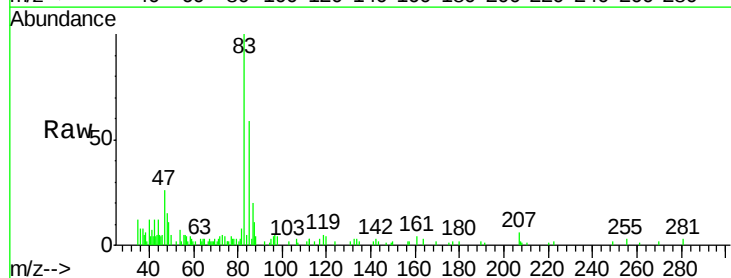
Acq: 30 Jul 2020 14:26

Tgt Ion: 83 Resp: 12662

Ion Ratio Lower Upper

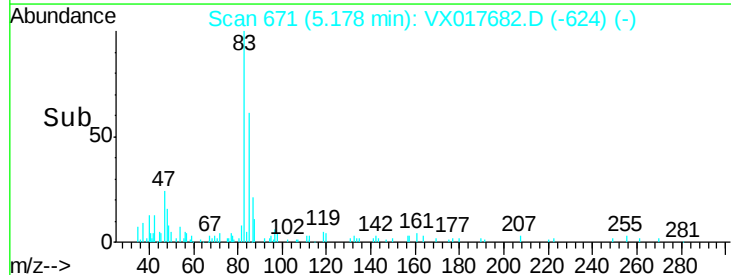
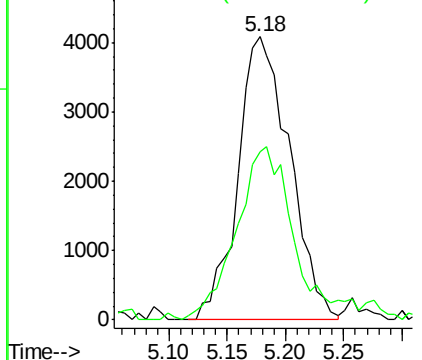
83 100

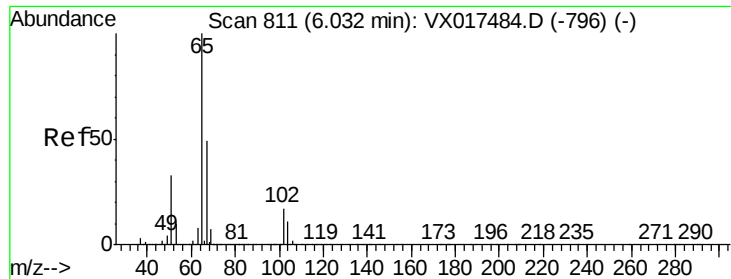
85 58.1 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

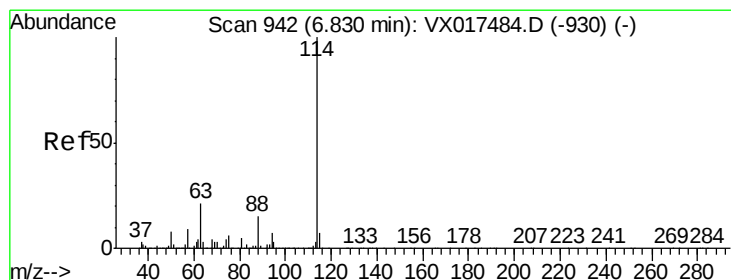
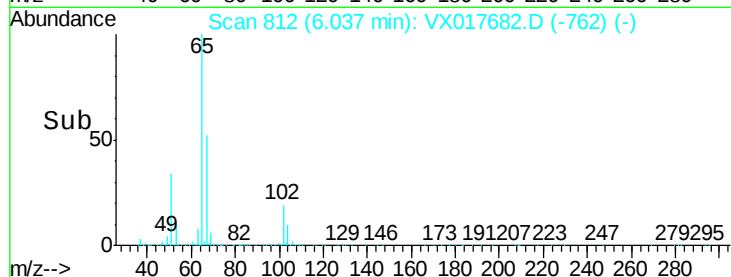
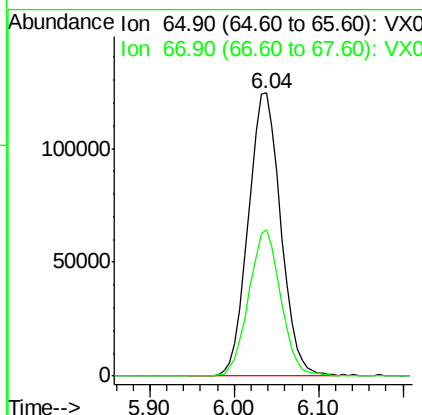
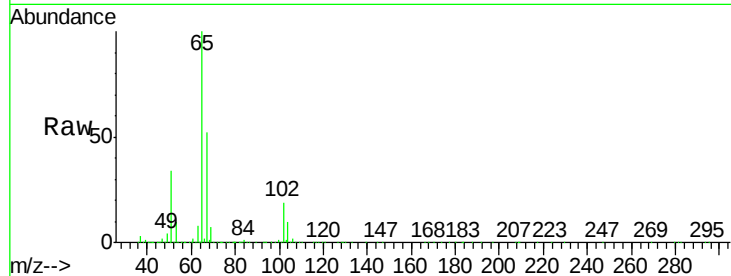




#33
 1,2-Dichloroethane-d4
 Concen: 52.299 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.01 min
 Lab File: VX017682.D
 Acq: 30 Jul 2020 14:26

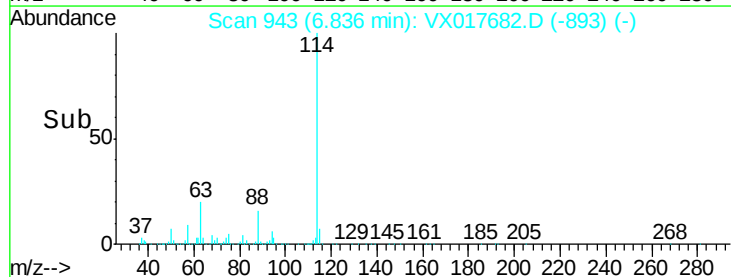
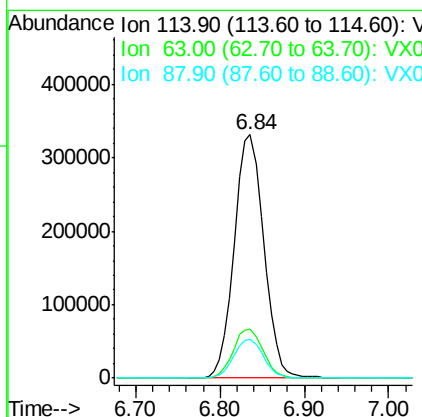
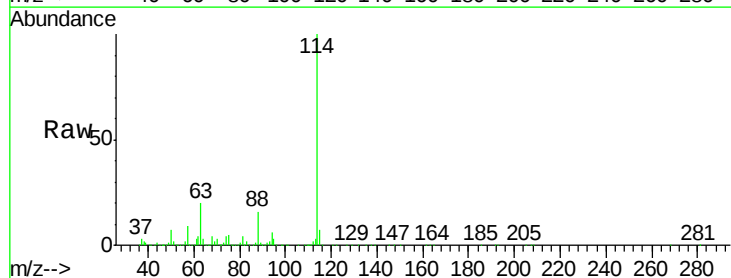
Instrument :
 MSVOA_X
 ClientSampleId :
 RW-12D

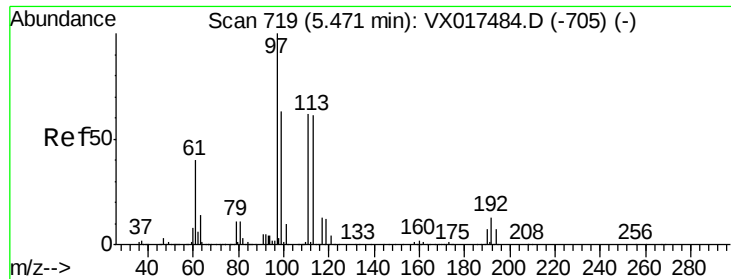
Tot Ion: 65 Resp: 326259
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX017682.D
 Acq: 30 Jul 2020 14:26

Tgt Ion: 114 Resp: 787441
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.6
 88 15.8 0.0 33.4

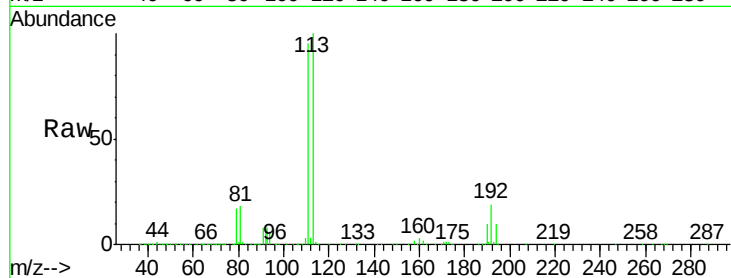




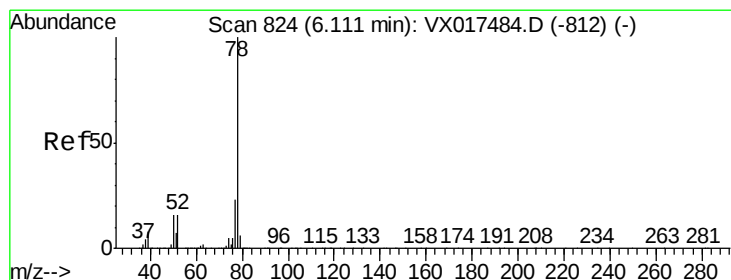
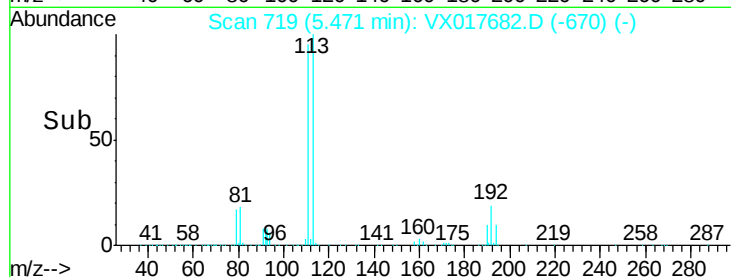
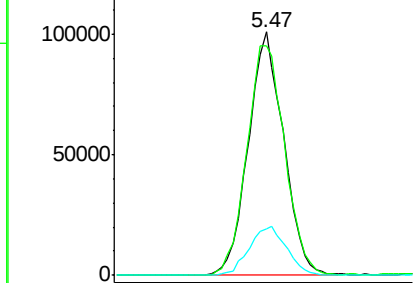
#35
 Dibromofluoromethane
 Concen: 51.720 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX017682.D
 Acq: 30 Jul 2020 14:26

Instrument :
 MSVOA_X
 ClientSampleId :
 RW-12D

Tot Ion:113 Resp: 272383
 Ion Ratio Lower Upper
 113 100
 111 101.3 80.7 121.1
 192 21.3 16.9 25.3

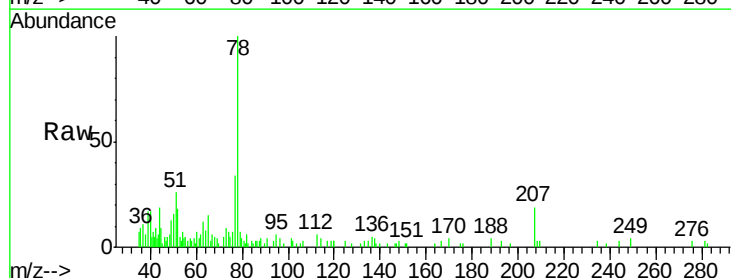


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

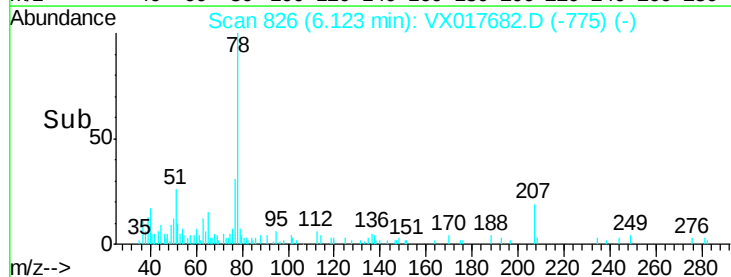
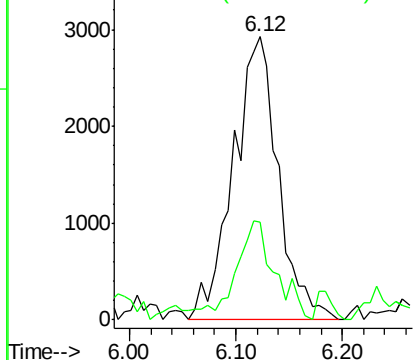


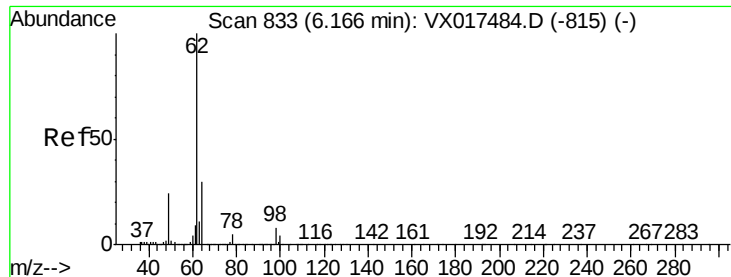
#40
 Benzene
 Concen: 0.399 ug/l
 RT: 6.12 min Scan# 826
 Delta R.T. 0.01 min
 Lab File: VX017682.D
 Acq: 30 Jul 2020 14:26

Tgt Ion: 78 Resp: 8636
 Ion Ratio Lower Upper
 78 100
 77 32.5 19.4 29.2#



Abundance Ion 78.00 (77.70 to 78.70): VX0
 Ion 77.00 (76.70 to 77.70): VX0





#42

1,2-Dichloroethane

Concen: 0.718 ug/l

RT: 6.17 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX017682.D

Acq: 30 Jul 2020 14:26

Instrument :

MSVOA_X

ClientSampleId :

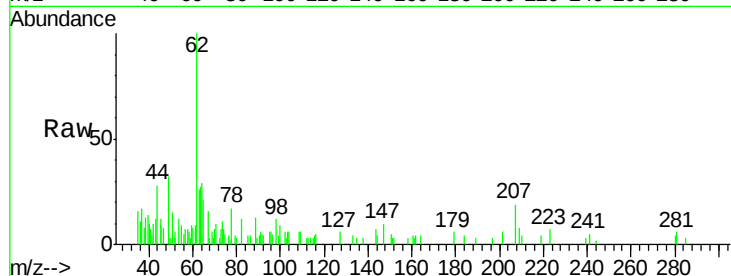
RW-12D

Tot Ion: 62 Resp: 6363

Ion Ratio Lower Upper

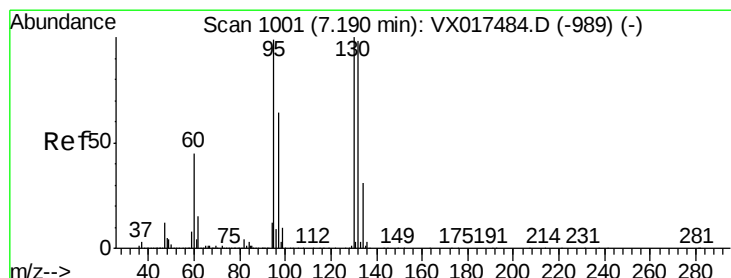
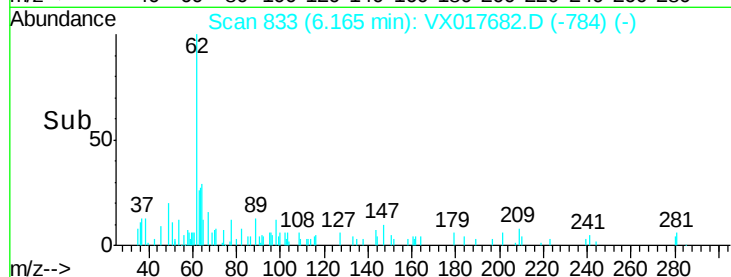
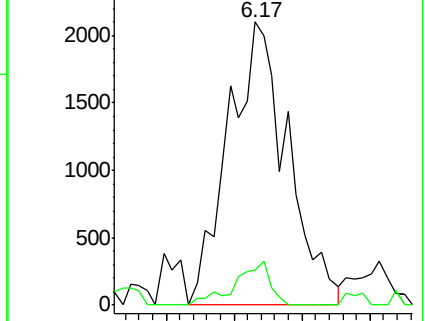
62 100

98 9.1 0.0 16.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#44

Trichloroethene

Concen: 0.998 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX017682.D

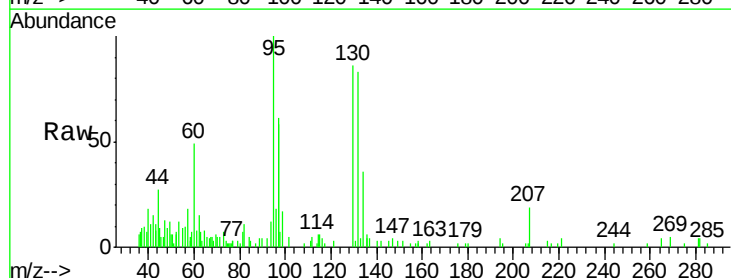
Acq: 30 Jul 2020 14:26

Tgt Ion: 130 Resp: 6314

Ion Ratio Lower Upper

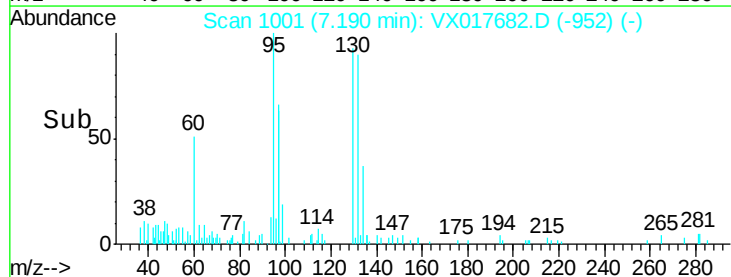
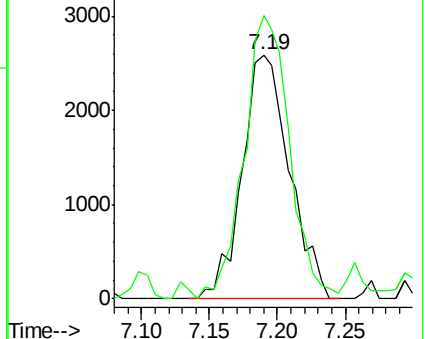
130 100

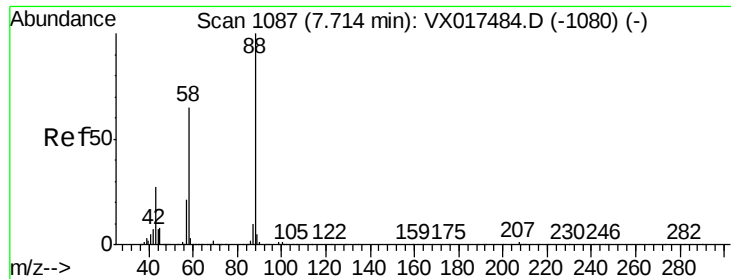
95 113.6 0.0 189.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

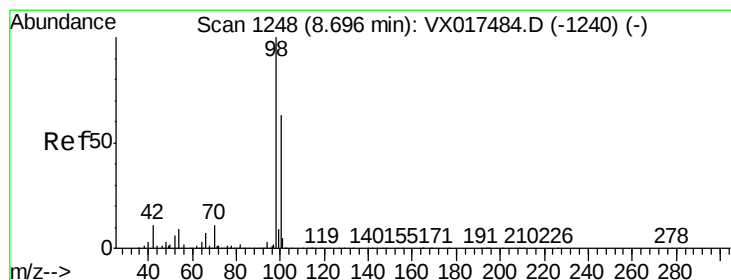
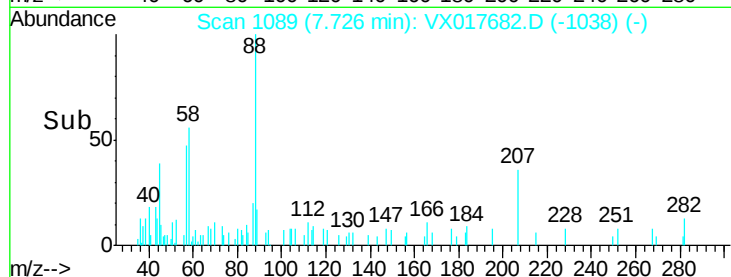
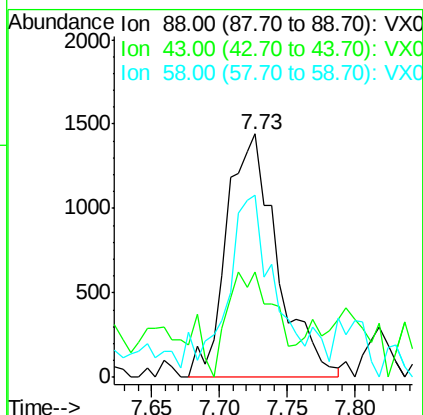
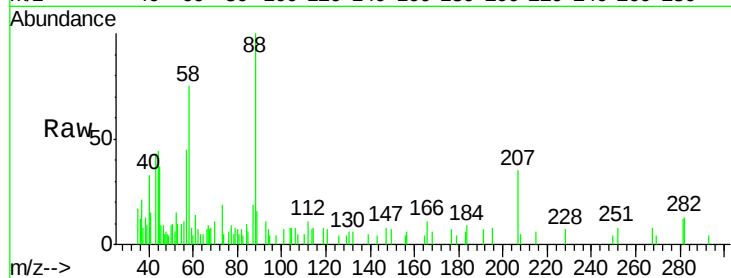




#49
1,4-Dioxane
Concen: 28.980 ug/l
RT: 7.73 min Scan# 1089
Delta R.T. 0.01 min
Lab File: VX017682.D
Acq: 30 Jul 2020 14:26

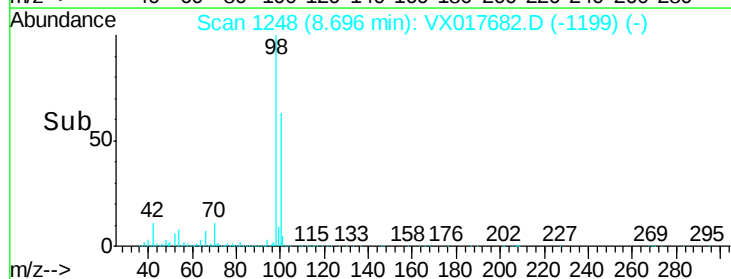
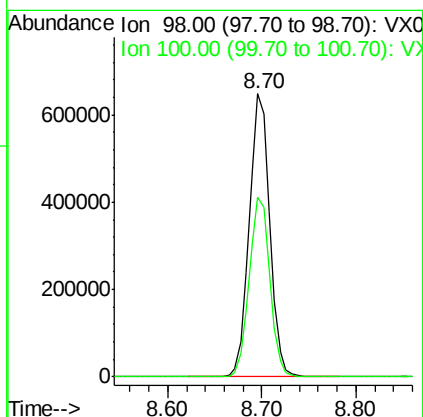
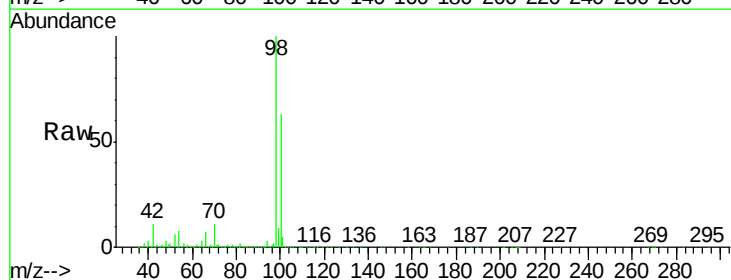
Instrument :
MSVOA_X
ClientSampleId :
RW-12D

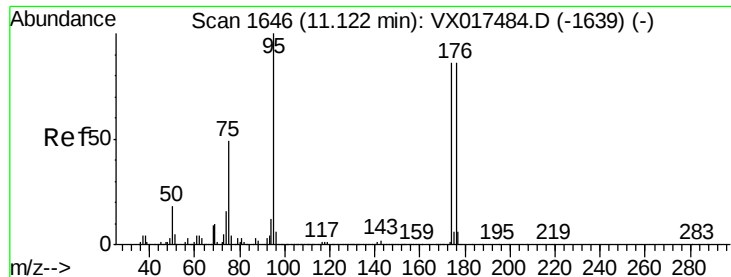
Tot Ion: 88 Resp: 3755
Ion Ratio Lower Upper
88 100
43 41.1 27.8 41.6
58 70.2 58.3 87.5



#50
Toluene-d8
Concen: 52.231 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017682.D
Acq: 30 Jul 2020 14:26

Tgt Ion: 98 Resp: 992316
Ion Ratio Lower Upper
98 100
100 64.1 52.3 78.5





#62

4-Bromofluorobenzene

Concen: 57.356 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017682.D

Acq: 30 Jul 2020 14:26

Instrument :

MSVOA_X

ClientSampleId :

RW-12D

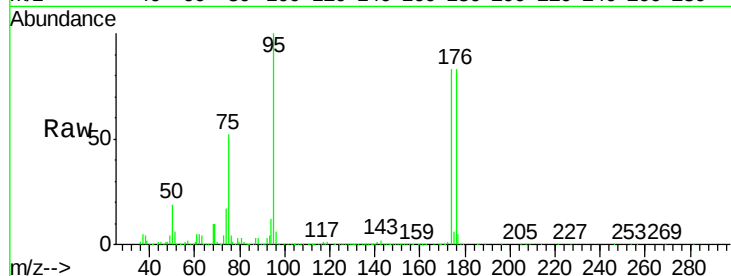
Tot Ion: 95 Resp: 436097

Ion Ratio Lower Upper

95 100

174 84.6 0.0 169.0

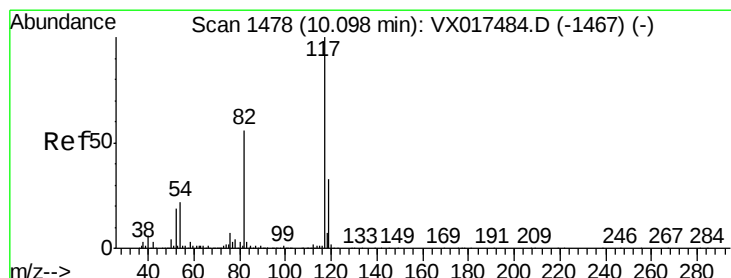
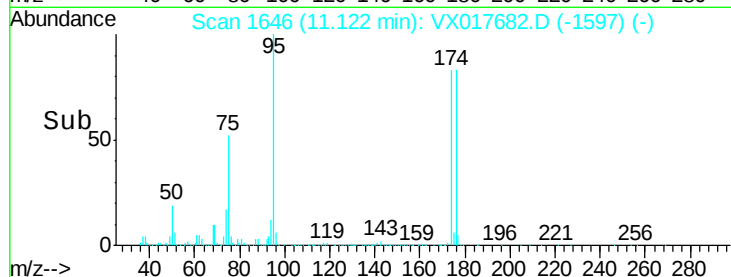
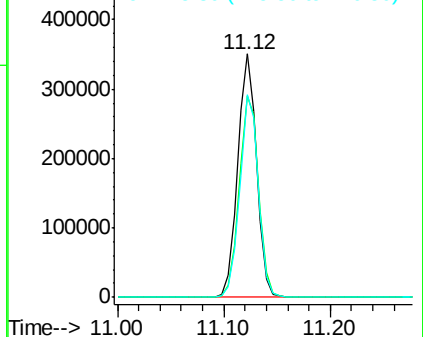
176 81.7 0.0 161.0



Abundance Ion 94.90 (94.60 to 95.60): VX

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017682.D

Acq: 30 Jul 2020 14:26

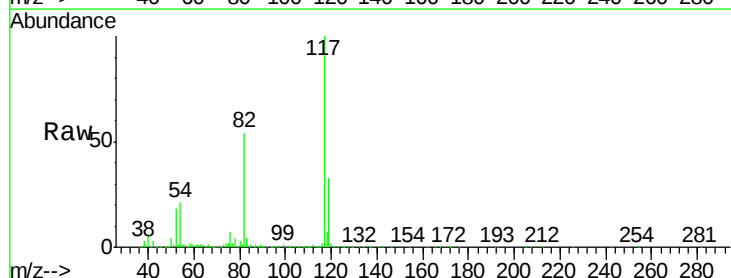
Tgt Ion: 117 Resp: 847732

Ion Ratio Lower Upper

117 100

82 54.5 44.0 66.0

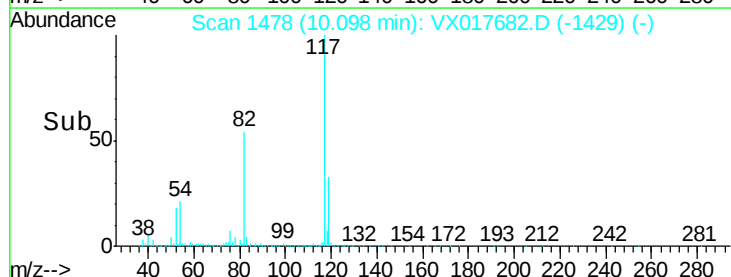
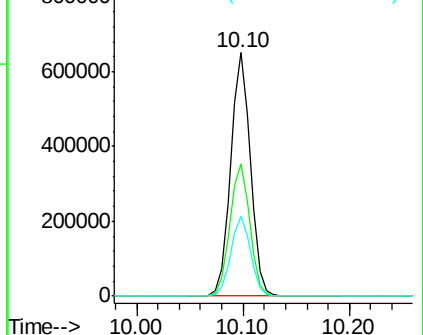
119 32.8 25.4 38.0

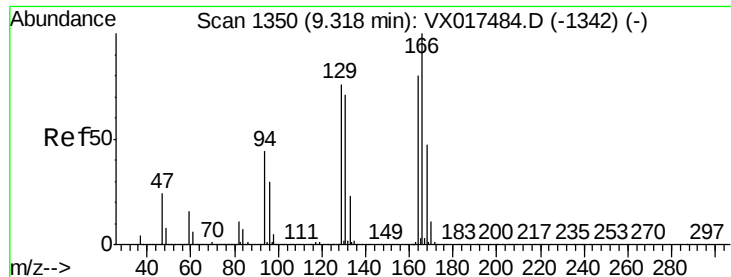


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 0.750 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX017682.D

Acq: 30 Jul 2020 14:26

Instrument :

MSVOA_X

ClientSampleId :

RW-12D

Tot Ion:164 Resp: 5708

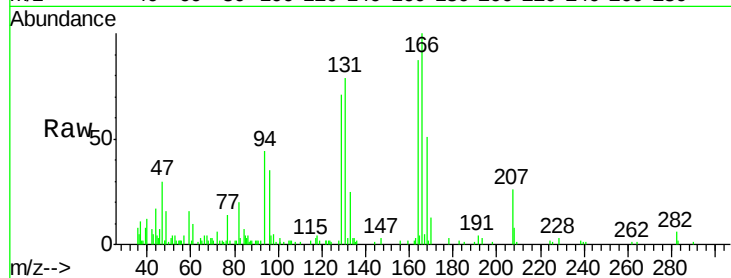
Ion Ratio Lower Upper

164 100

166 115.2 100.6 150.8

129 82.1 75.0 112.6

131 91.0 75.2 112.8

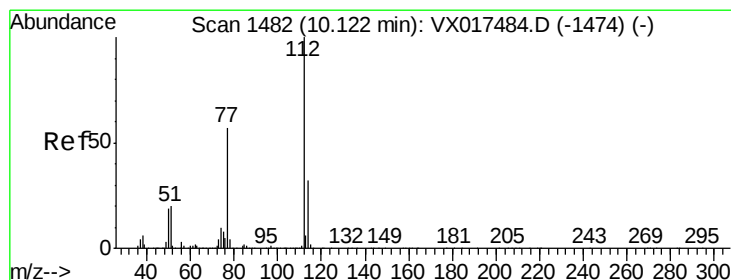
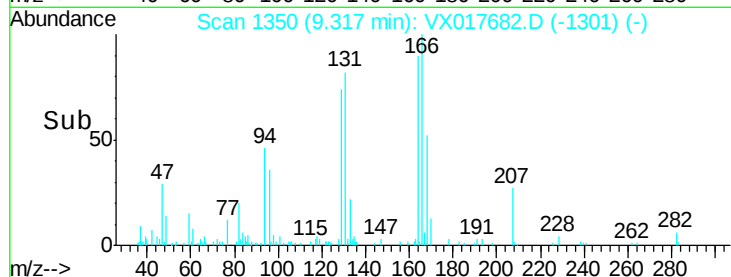
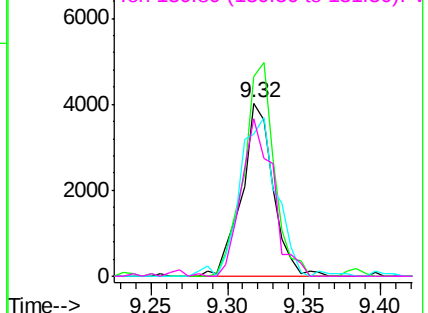


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 32.855 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX017682.D

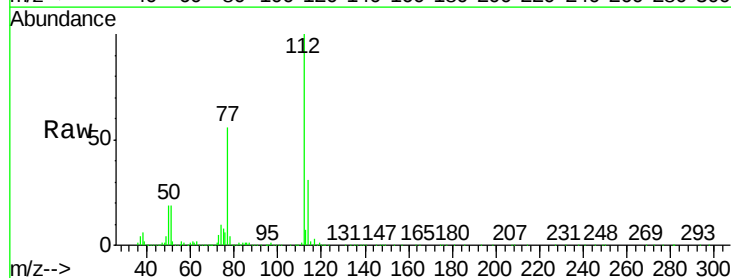
Acq: 30 Jul 2020 14:26

Tgt Ion:112 Resp: 602867

Ion Ratio Lower Upper

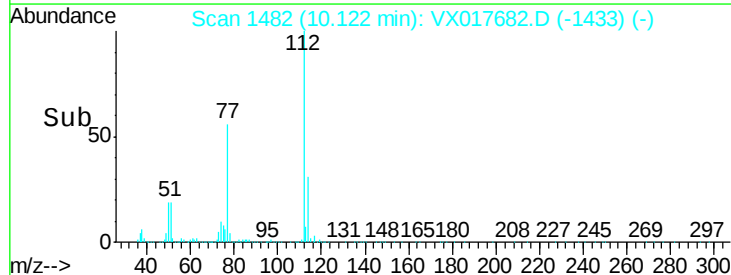
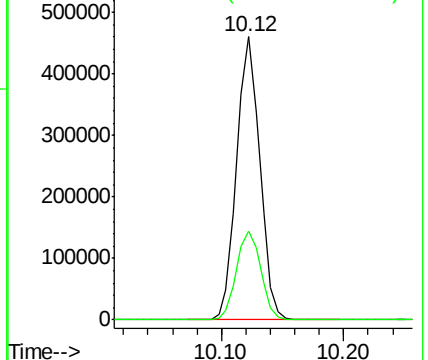
112 100

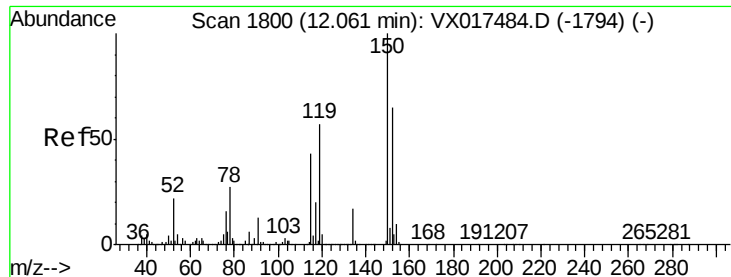
114 31.2 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017682.D

Acq: 30 Jul 2020 14:26

Instrument :

MSVOA_X

ClientSampleId :

RW-12D

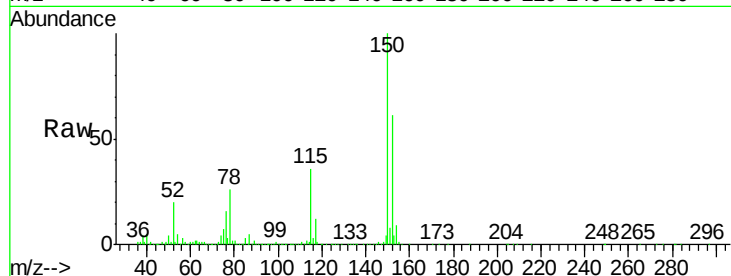
Tot Ion:152 Resp: 461270

Ion Ratio Lower Upper

152 100

115 57.4 65.5 196.6#

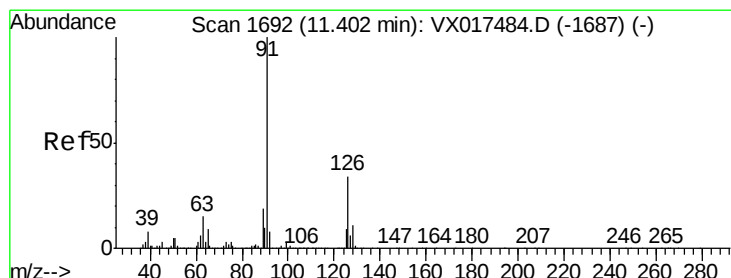
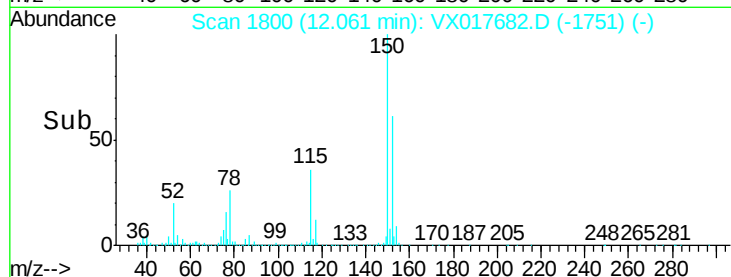
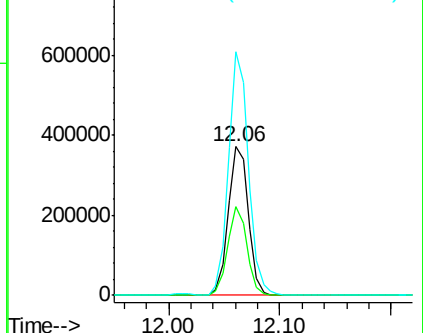
150 162.2 0.0 412.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#79

2-Chlorotoluene

Concen: 1.365 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX017682.D

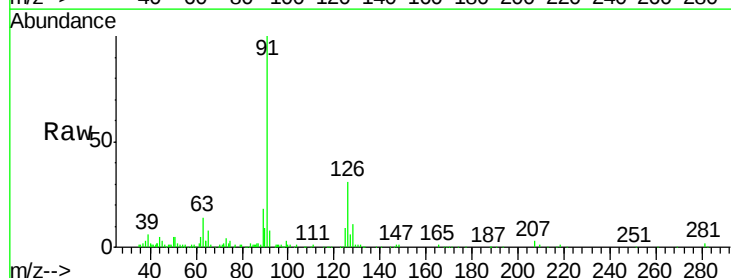
Acq: 30 Jul 2020 14:26

Tgt Ion: 91 Resp: 30172

Ion Ratio Lower Upper

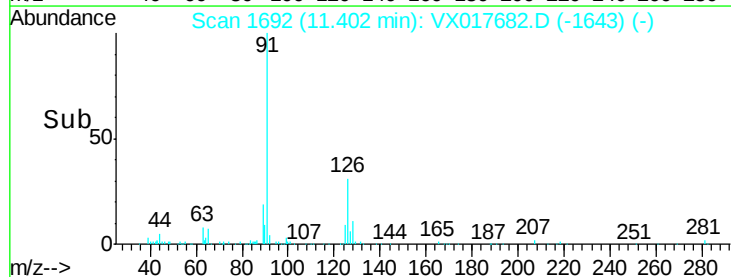
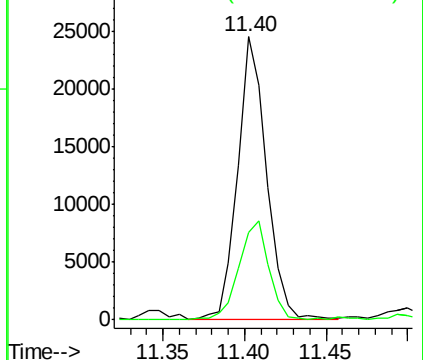
91 100

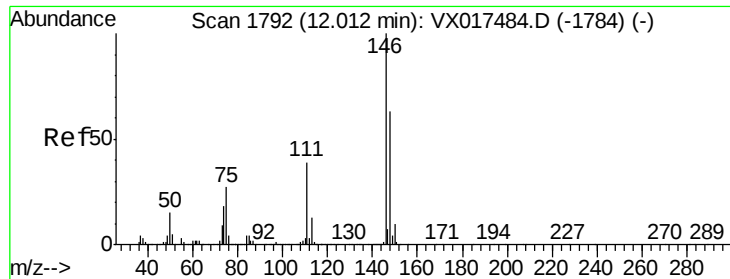
126 36.3 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

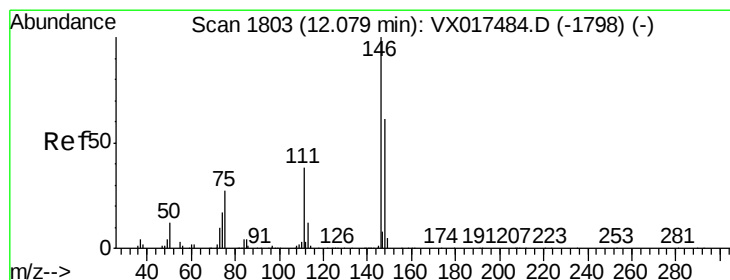
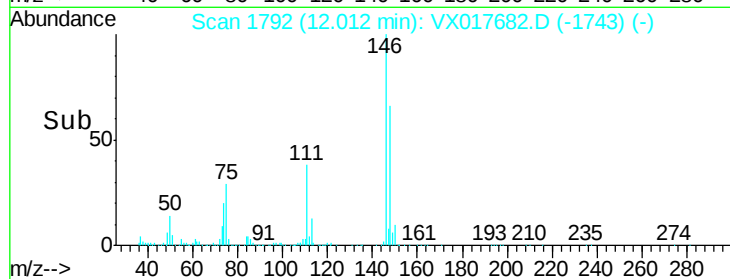
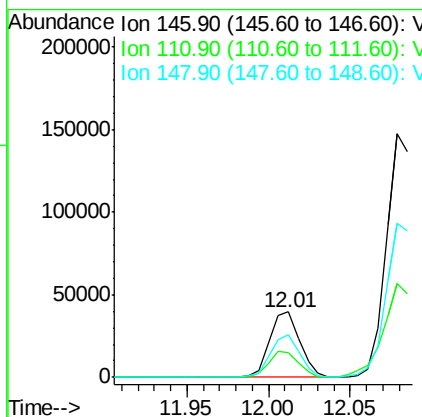
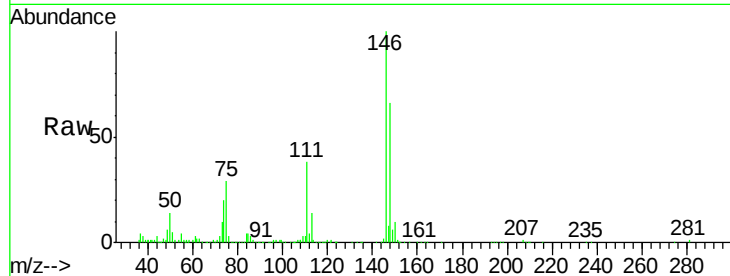




#87
 1,3-Dichlorobenzene
 Concen: 3.339 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX017682.D
 Acq: 30 Jul 2020 14:26

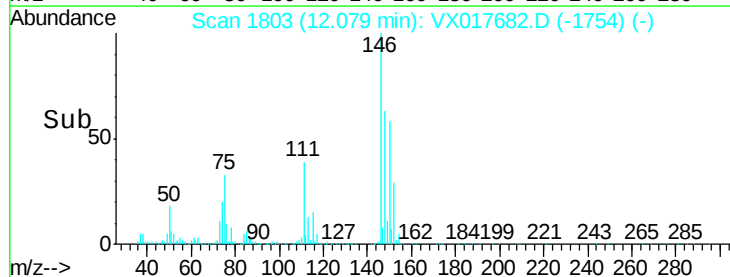
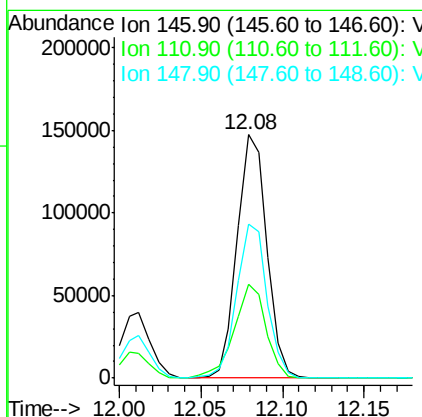
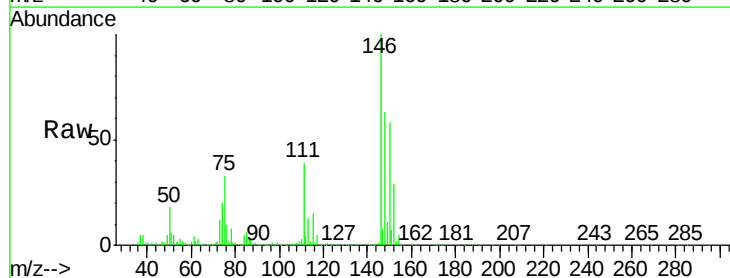
Instrument :
 MSVOA_X
 ClientSampleId :
 RW-12D

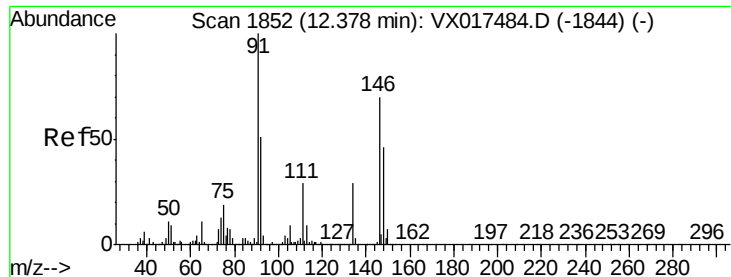
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.9	59.7
148	63.0	31.6	95.0



#88
 1,4-Dichlorobenzene
 Concen: 11.894 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX017682.D
 Acq: 30 Jul 2020 14:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	19.3	57.8
148	64.8	32.2	96.6





#91
 1,2-Dichlorobenzene
 Concen: 7.423 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX017682.D
 Acq: 30 Jul 2020 14:26

Instrument :
 MSVOA_X
 ClientSampleId :
 RW-12D

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.9	62.8
148	65.4	32.8	98.4

