

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092420\
 Data File : VX018580.D
 Acq On : 24 Sep 2020 18:09
 Operator : JC/SP
 Sample : L4118-16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW202D1-20200919

Quant Time: Sep 25 02:26:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 17 12:17:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	435623	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	695306	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	675977	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	329167	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	313671	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	
35) Dibromofluoromethane	5.46	113	244300	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	
50) Toluene-d8	8.70	98	856369	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
62) 4-Bromofluorobenzene	11.12	95	321054	46.21	ug/l	0.00
Spiked Amount			Recovery	=	92.42%	

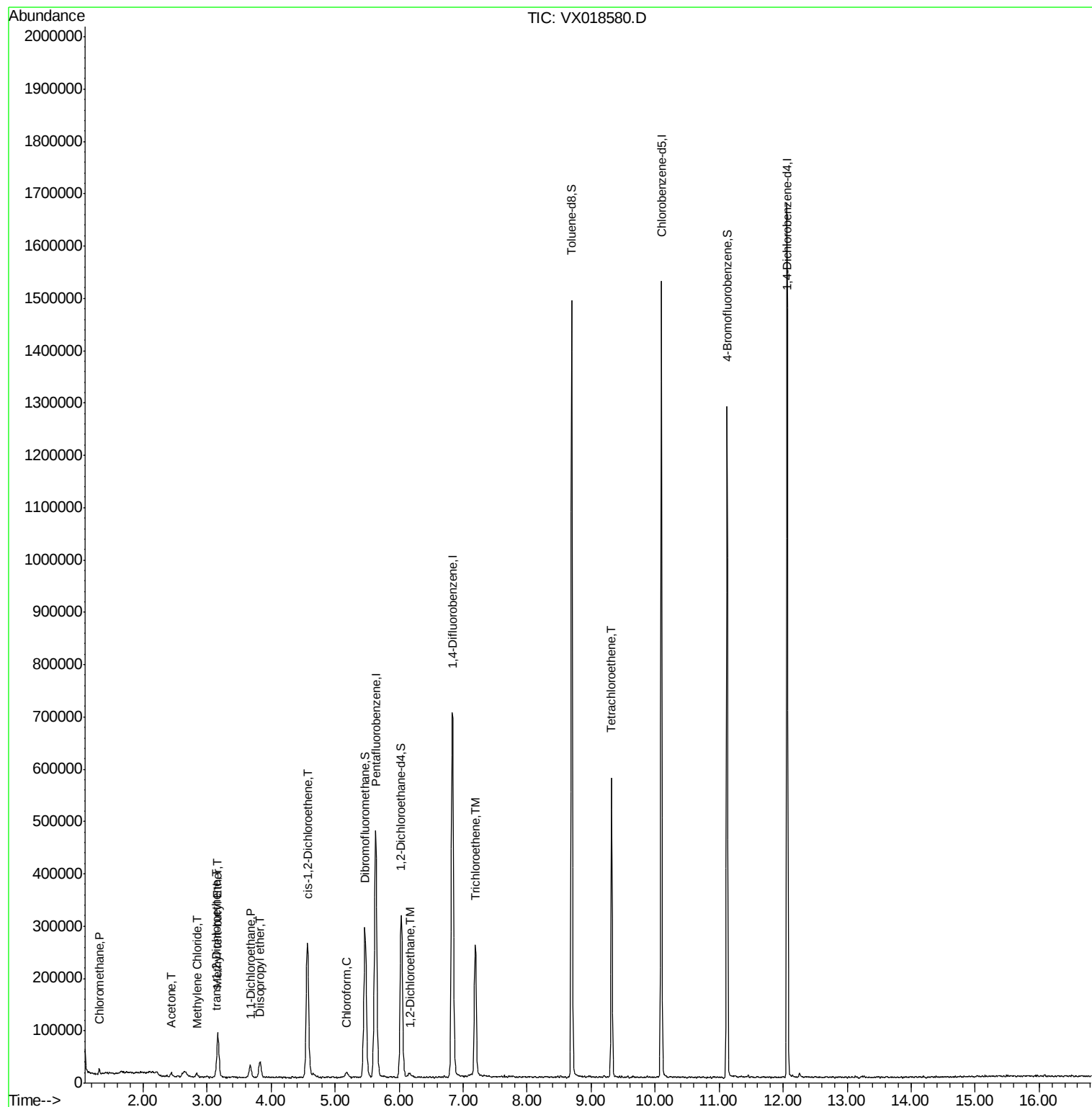
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	6217	1.286	ug/l #	82
16) Acetone	2.44	43	12459	5.286	ug/l	89
19) Methyl tert-butyl Ether	3.17	73	88033	5.944	ug/l	96
20) Methylene Chloride	2.84	84	3566	0.686	ug/l #	70
21) trans-1,2-Dichloroethene	3.14	96	3897	0.795	ug/l #	65
22) Diisopropyl ether	3.82	45	31256	2.034	ug/l #	82
24) 1,1-Dichloroethane	3.67	63	29661	3.347	ug/l #	93
27) cis-1,2-Dichloroethene	4.57	96	165902	30.189	ug/l	87
30) Chloroform	5.18	83	13899	1.546	ug/l	89
42) 1,2-Dichloroethane	6.17	62	10566	1.404	ug/l	90
44) Trichloroethene	7.19	130	97656	17.442	ug/l	91
64) Tetrachloroethene	9.32	164	107739	20.245	ug/l	94

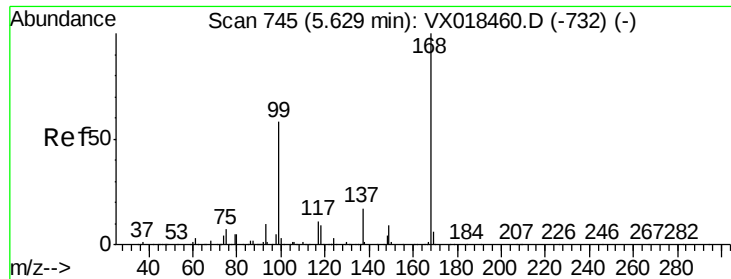
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Sep 17 12:17:36 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018580.D

Acq: 24 Sep 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

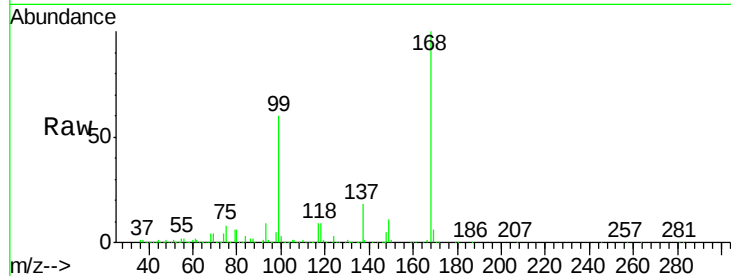
MW202D1-20200919

Tot Ion:168 Resp: 435623

Ion Ratio Lower Upper

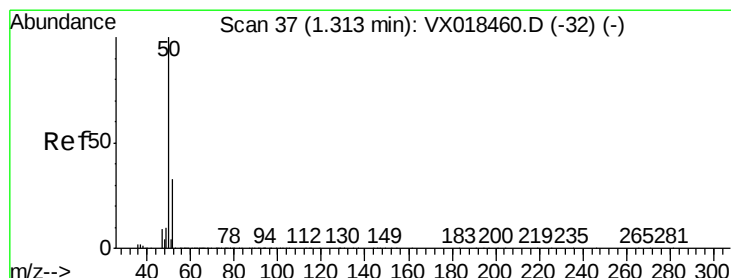
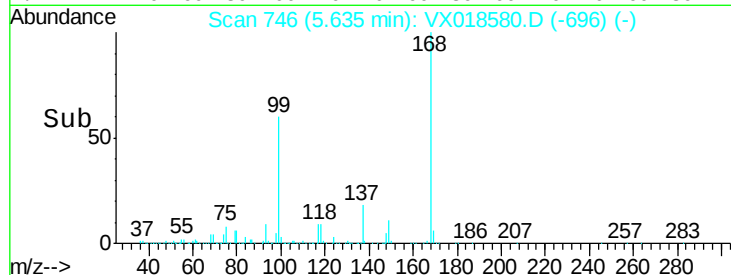
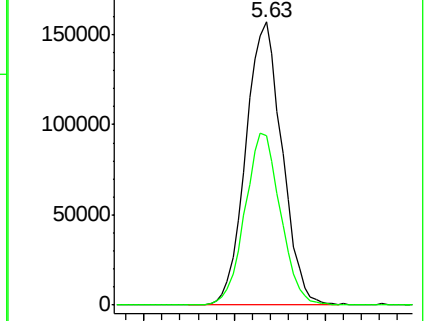
168 100

99 59.8 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 1.286 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018580.D

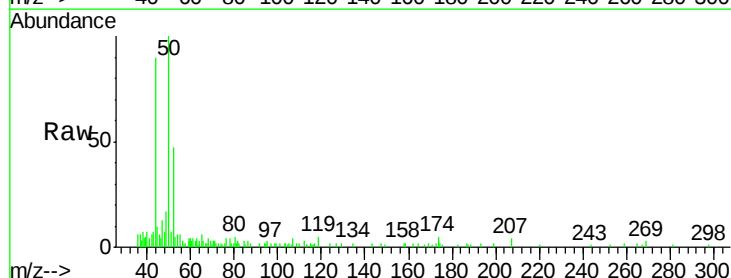
Acq: 24 Sep 2020 18:09

Tgt Ion: 50 Resp: 6217

Ion Ratio Lower Upper

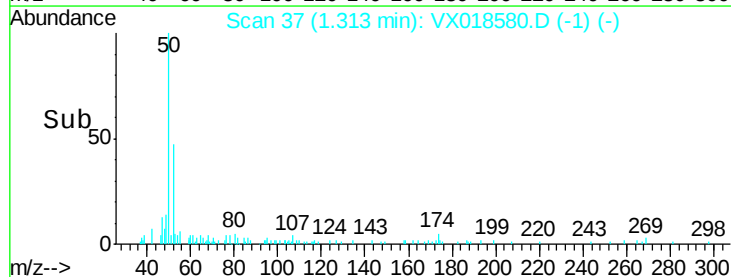
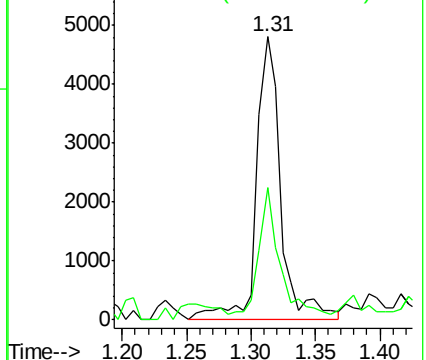
50 100

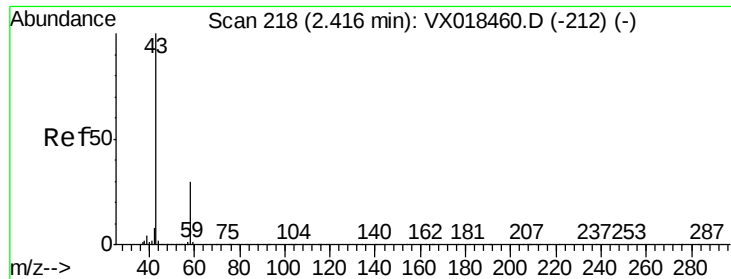
52 43.4 26.6 40.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#16

Acetone

Concen: 5.286 ug/l

RT: 2.44 min Scan# 222

Delta R.T. 0.02 min

Lab File: VX018580.D

Acq: 24 Sep 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

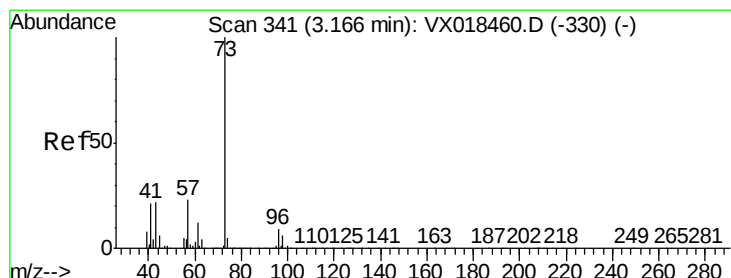
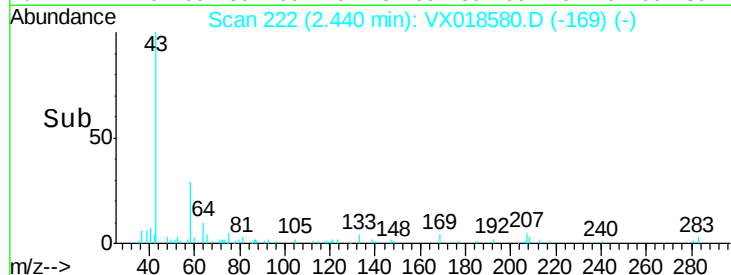
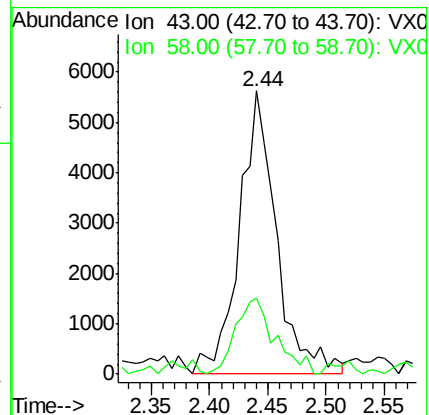
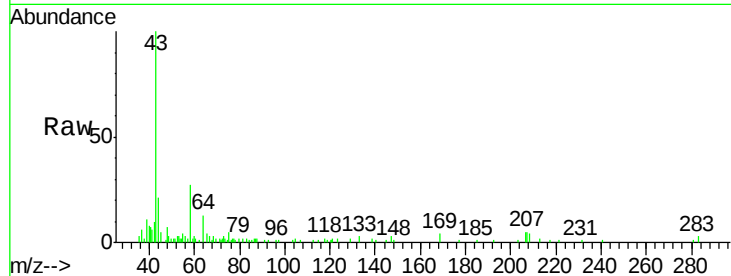
MW202D1-20200919

Tot Ion: 43 Resp: 12459

Ion Ratio Lower Upper

43 100

58 24.2 24.0 36.0



#19

Methyl tert-butyl Ether

Concen: 5.944 ug/l

RT: 3.17 min Scan# 341

Delta R.T. -0.00 min

Lab File: VX018580.D

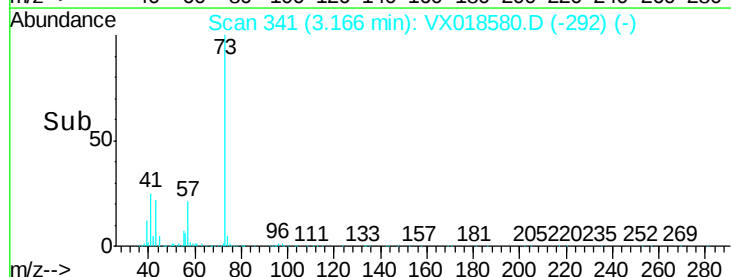
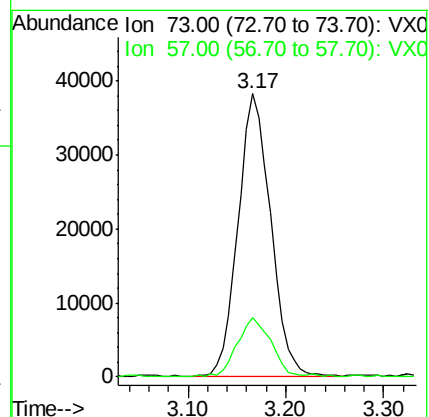
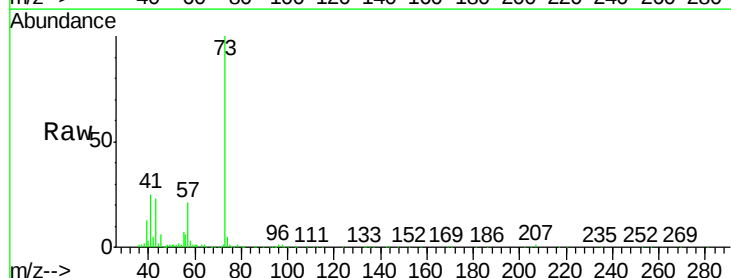
Acq: 24 Sep 2020 18:09

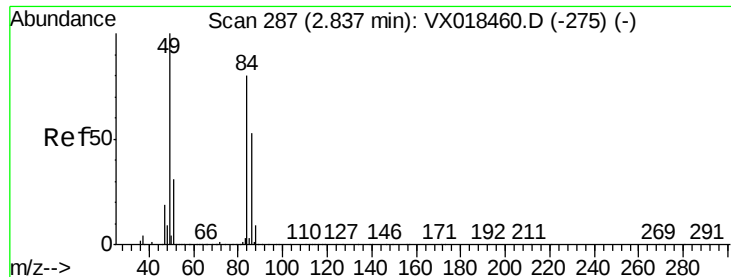
Tgt Ion: 73 Resp: 88033

Ion Ratio Lower Upper

73 100

57 20.6 18.0 27.0

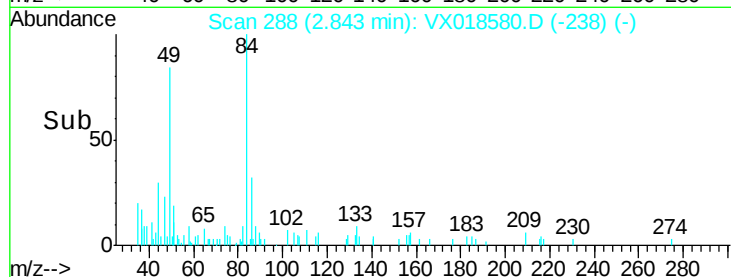
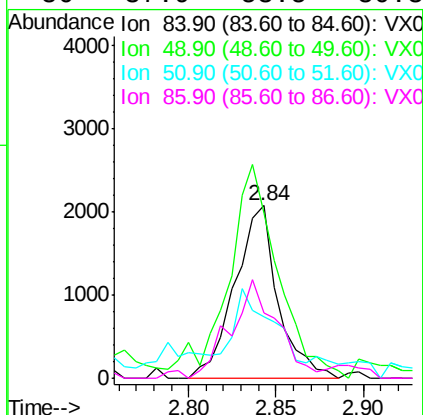
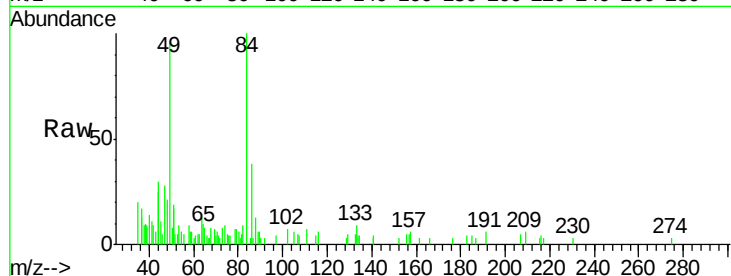




#20
Methvlene Chloride
Concen: 0.686 ug/l
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX018580.D
Acq: 24 Sep 2020 18:09

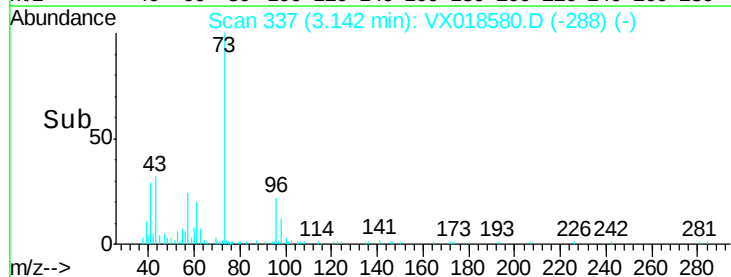
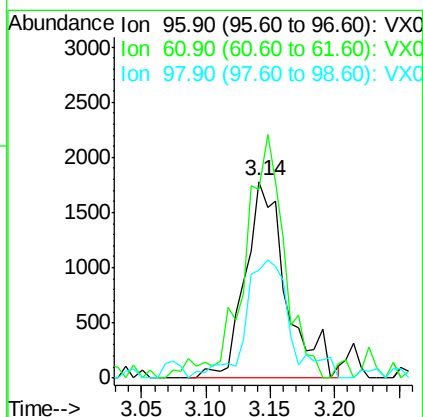
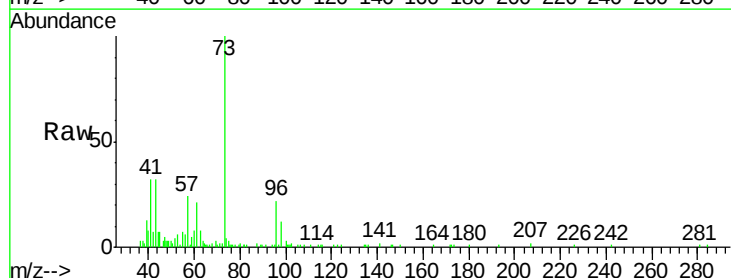
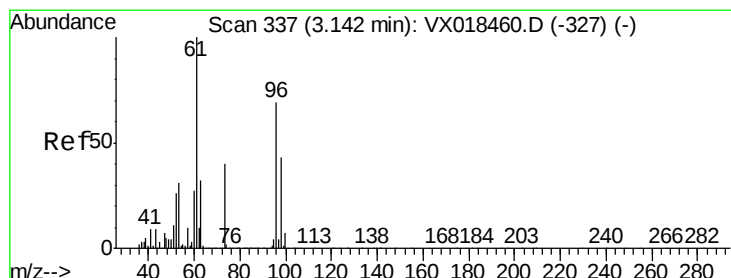
Instrument :
MSVOA_X
ClientSampleId :
MW202D1-20200919

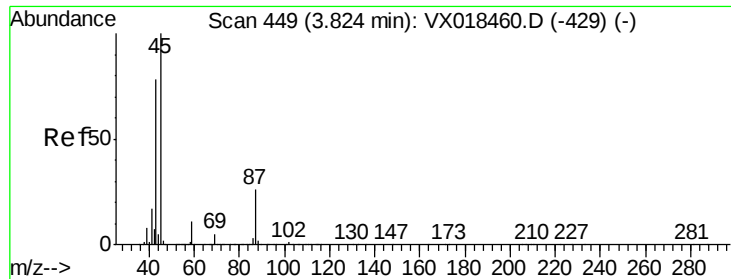
Tot Ion:	84	Resp:	3566
Ion	Ratio	Lower	Upper
84	100		
49	91.3	100.6	151.0#
51	27.0	30.9	46.3#
86	37.9	53.5	80.3#



#21
trans-1,2-Dichloroethene
Concen: 0.795 ug/l
RT: 3.14 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX018580.D
Acq: 24 Sep 2020 18:09

Tgt Ion:	96	Resp:	3897
Ion	Ratio	Lower	Upper
96	100		
61	88.3	115.6	173.4#
98	54.7	50.2	75.4





#22

Diisopropyl ether

Concen: 2.034 ug/l

RT: 3.82 min Scan# 449

Delta R.T. -0.00 min

Lab File: VX018580.D

Acq: 24 Sep 2020 18:09

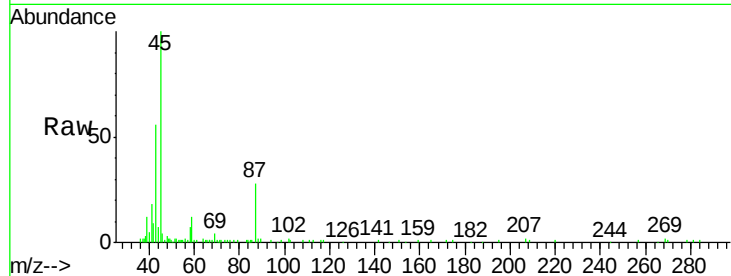
Instrument :

MSVOA_X

ClientSampleId :

MW202D1-20200919

Tot Ion:	45	Resp:	31256
Ion	Ratio	Lower	Upper
45	100		
43	55.0	62.4	93.6#
87	26.2	21.2	31.8
59	11.2	8.9	13.3

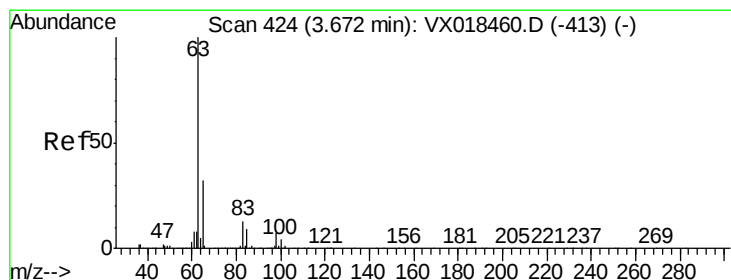
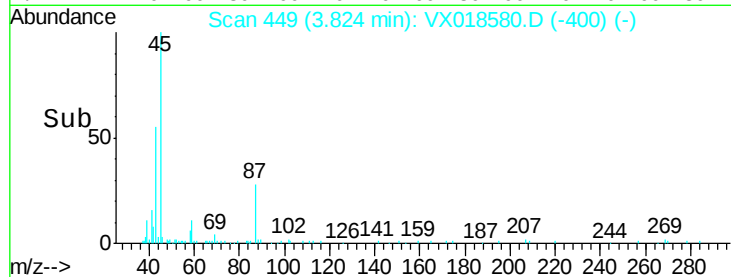
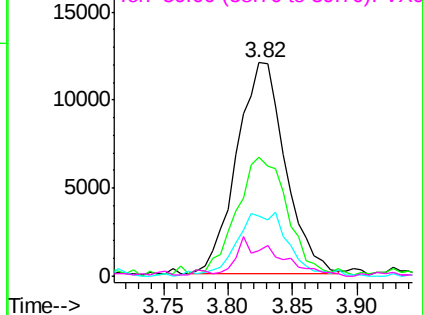


Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0



#24

1,1-Dichloroethane

Concen: 3.347 ug/l

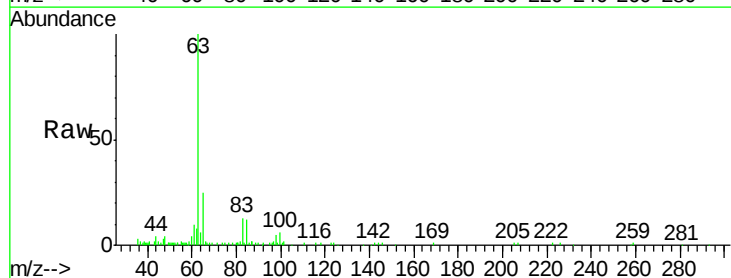
RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX018580.D

Acq: 24 Sep 2020 18:09

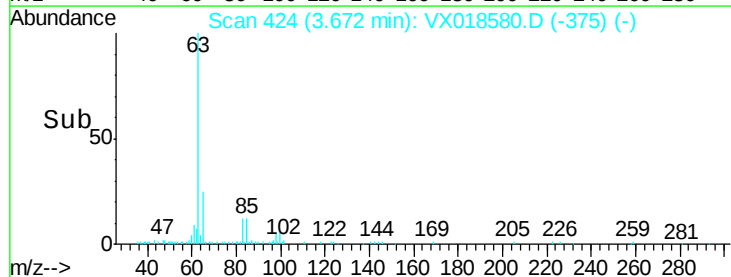
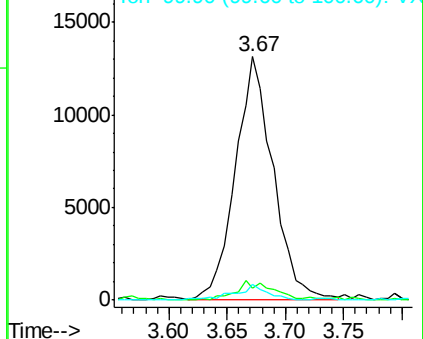
Tgt Ion:	63	Resp:	29661
Ion	Ratio	Lower	Upper
63	100		
98	4.9	3.5	10.6
100	6.4	1.9	5.7#

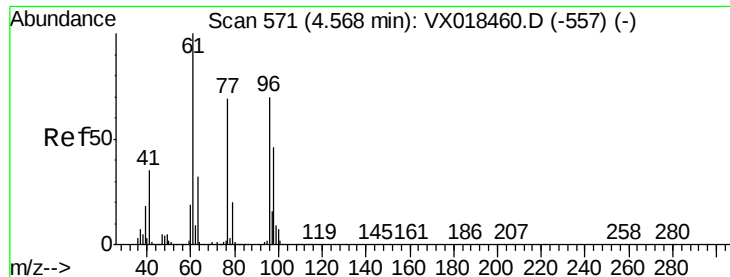


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



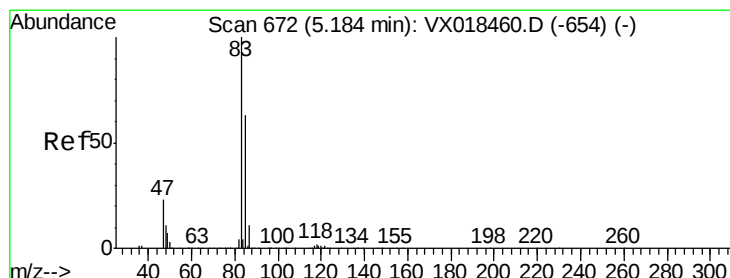
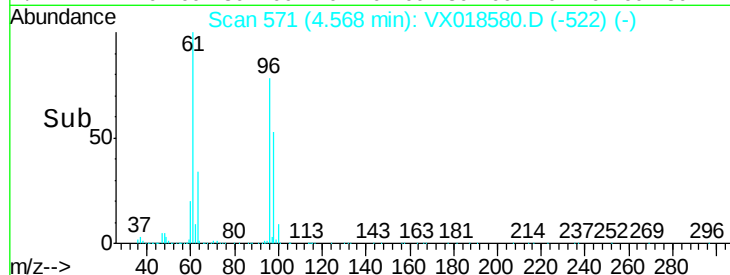
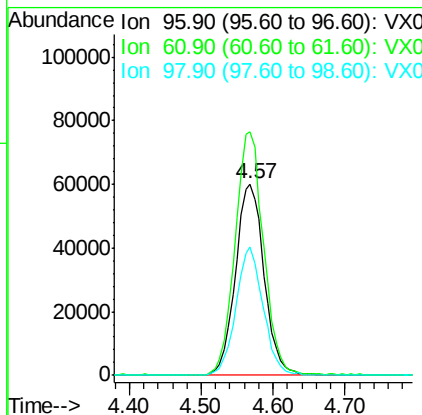
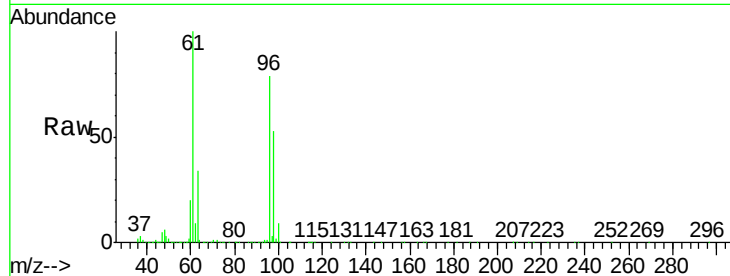


#27

cis-1,2-Dichloroethene
 Concen: 30.189 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. -0.00 min
 Lab File: VX018580.D
 Acq: 24 Sep 2020 18:09

Instrument :
 MSVOA_X
 ClientSampleId :
 MW202D1-20200919

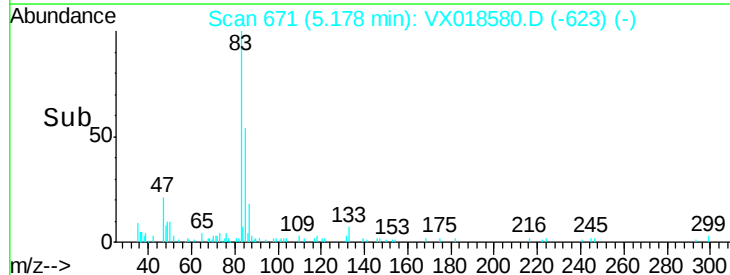
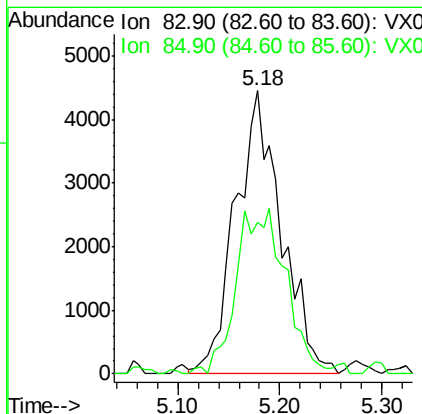
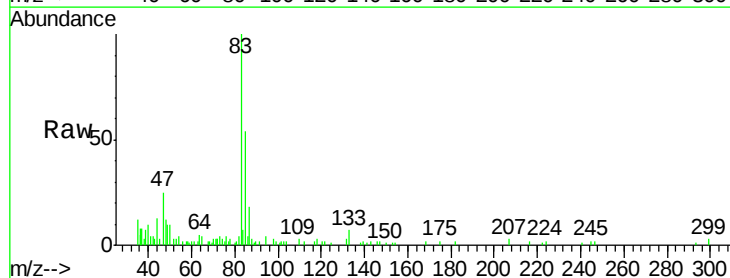
Tot Ion	Ratio	Lower	Upper
96	100		
61	126.9	0.0	300.0
98	63.7	0.0	130.4

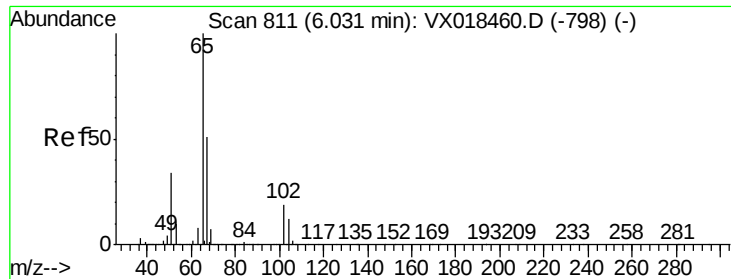


#30

Chloroform
 Concen: 1.546 ug/l
 RT: 5.18 min Scan# 671
 Delta R.T. -0.01 min
 Lab File: VX018580.D
 Acq: 24 Sep 2020 18:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	54.6	50.6	76.0





#33

1,2-Dichloroethane-d4

Concen: 50.900 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018580.D

Acq: 24 Sep 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

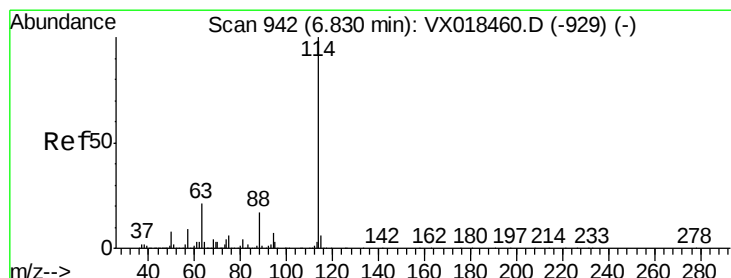
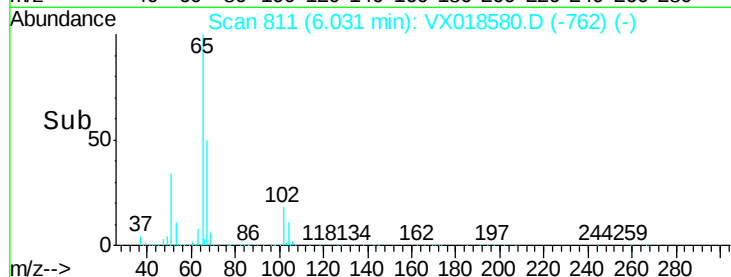
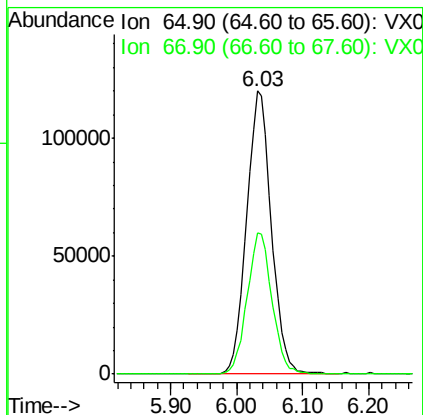
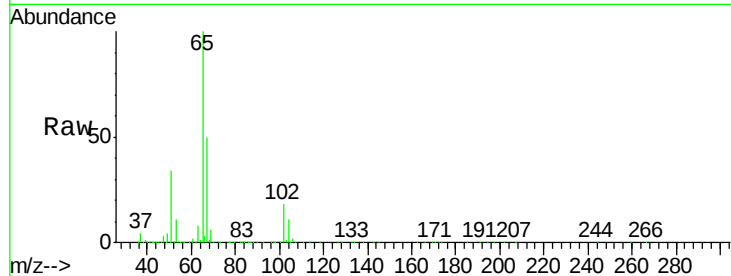
MW202D1-20200919

Tot Ion: 65 Resp: 313671

Ion Ratio Lower Upper

65 100

67 50.1 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX018580.D

Acq: 24 Sep 2020 18:09

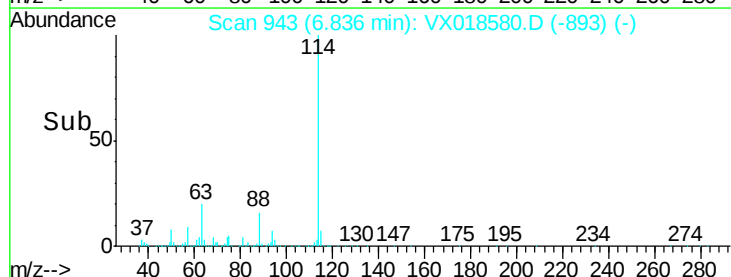
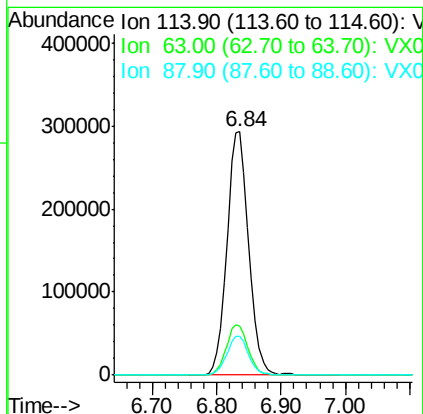
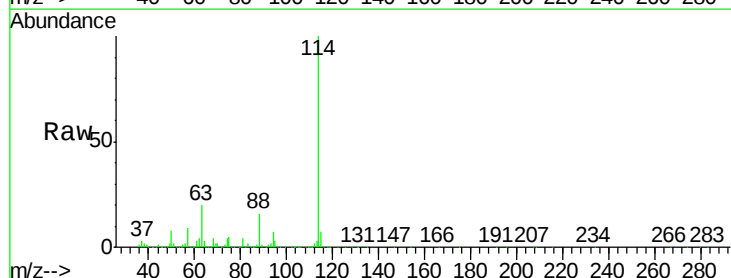
Tgt Ion: 114 Resp: 695306

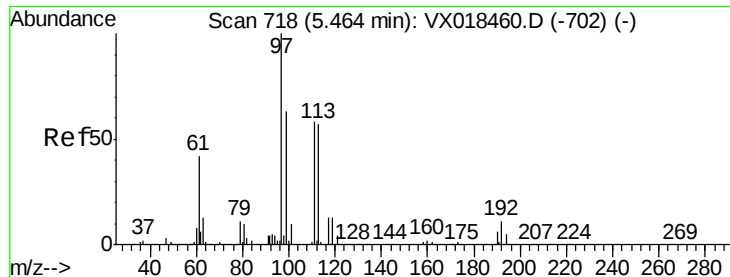
Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.8

88 15.8 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.824 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX018580.D

Acq: 24 Sep 2020 18:09

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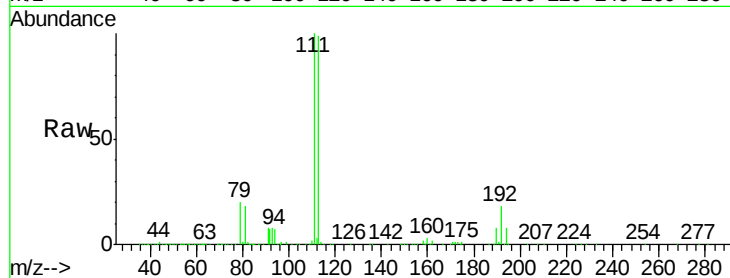
Tot Ion:113 Resp: 244300

Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.2

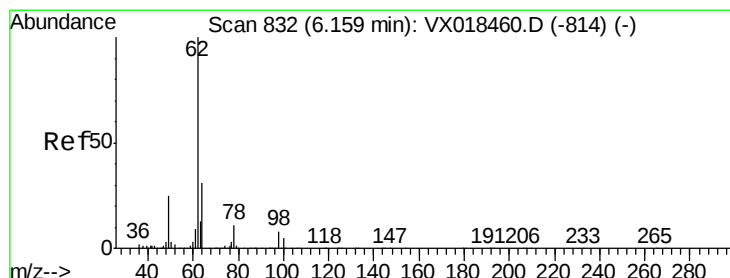
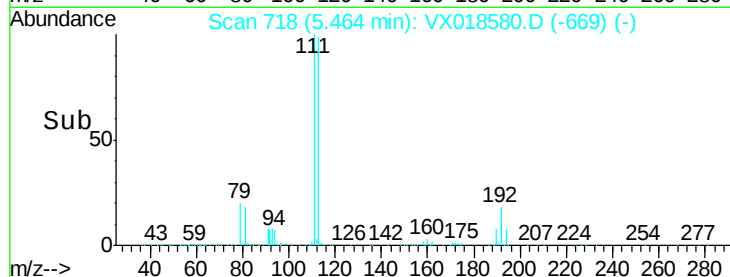
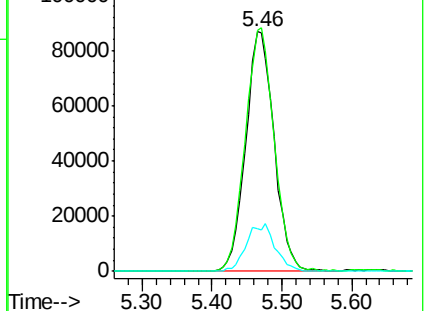
192 20.0 16.6 24.8



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



#42

1,2-Dichloroethane

Concen: 1.404 ug/l

RT: 6.17 min Scan# 833

Delta R.T. 0.01 min

Lab File: VX018580.D

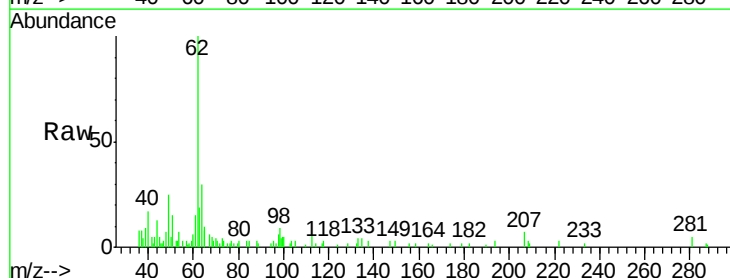
Acq: 24 Sep 2020 18:09

Tgt Ion: 62 Resp: 10566

Ion Ratio Lower Upper

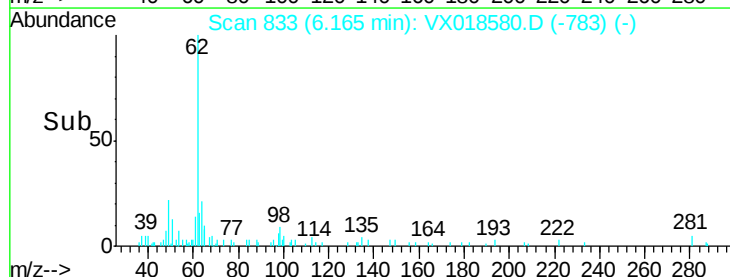
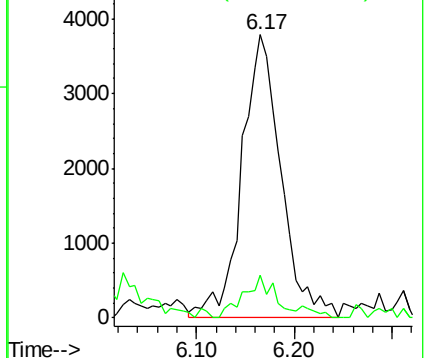
62 100

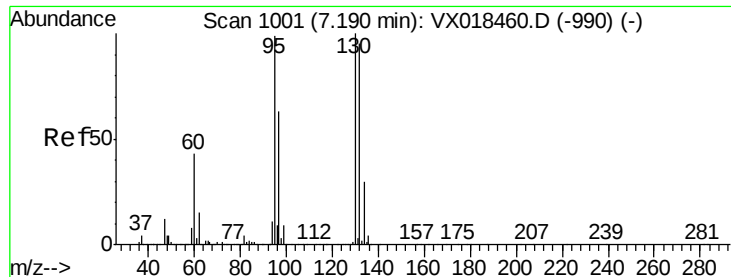
98 11.8 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

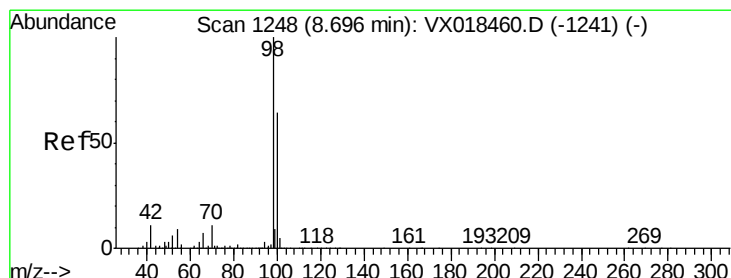
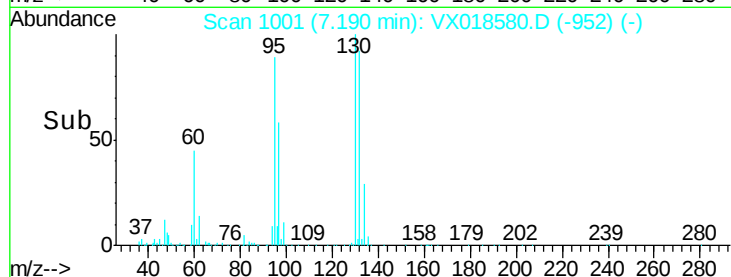
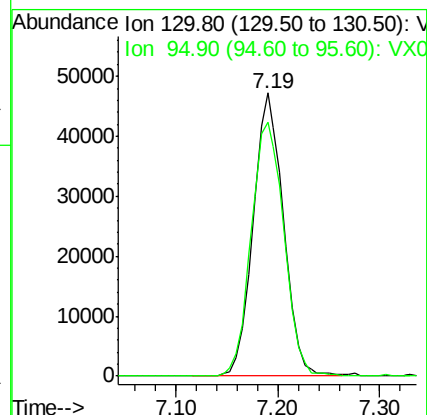
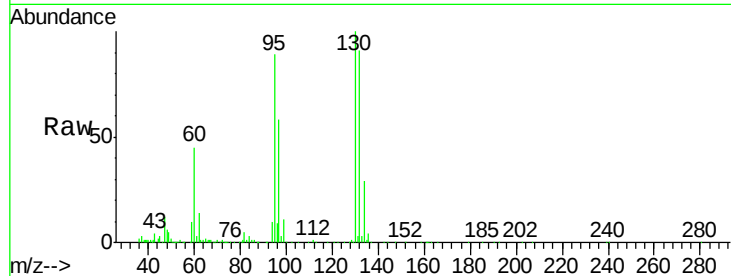




#44
 Trichloroethene
 Concen: 17.442 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VX018580.D
 Acq: 24 Sep 2020 18:09

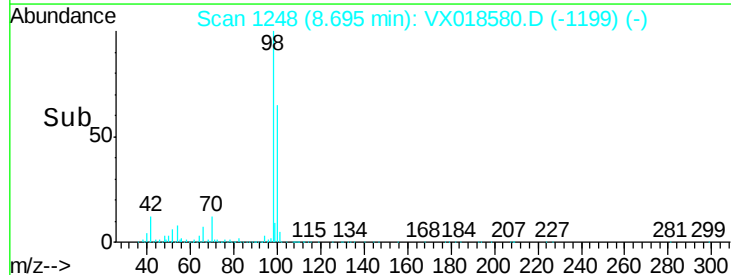
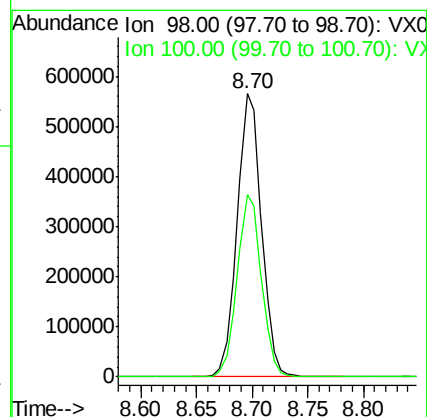
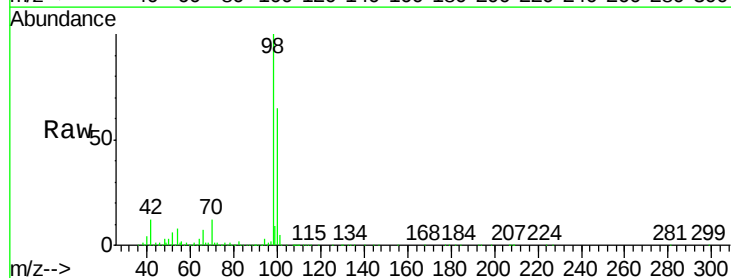
Instrument :
 MSVOA_X
 ClientSampleId :
 MW202D1-20200919

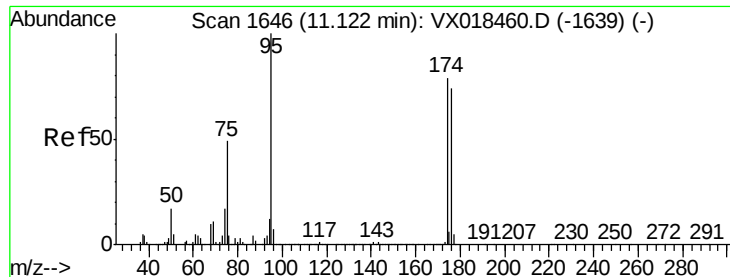
Tot Ion:130 Resp: 97656
 Ion Ratio Lower Upper
 130 100
 95 89.5 0.0 197.4



#50
 Toluene-d8
 Concen: 49.035 ug/l
 RT: 8.70 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VX018580.D
 Acq: 24 Sep 2020 18:09

Tgt Ion: 98 Resp: 856369
 Ion Ratio Lower Upper
 98 100
 100 64.0 51.7 77.5





#62

4-Bromofluorobenzene

Concen: 46.215 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018580.D

Acq: 24 Sep 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

MW202D1-20200919

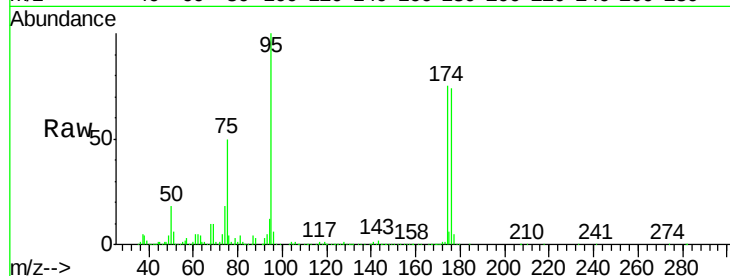
Tot Ion: 95 Resp: 321054

Ion Ratio Lower Upper

95 100

174 80.8 0.0 161.4

176 75.6 0.0 151.4

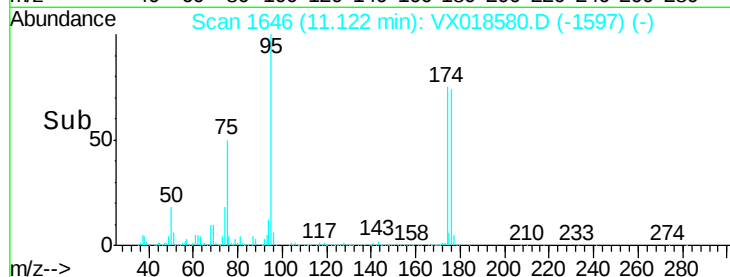


Abundance Ion 94.90 (94.60 to 95.60): VX018460.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX018460.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX018460.D (-1639) (-)

Time-->

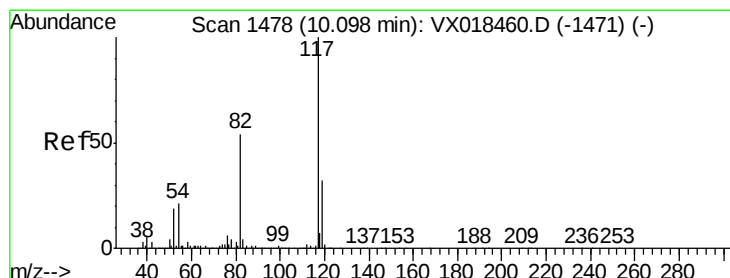


Abundance Ion 94.90 (94.60 to 95.60): VX018580.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX018580.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX018580.D (-1597) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018580.D

Acq: 24 Sep 2020 18:09

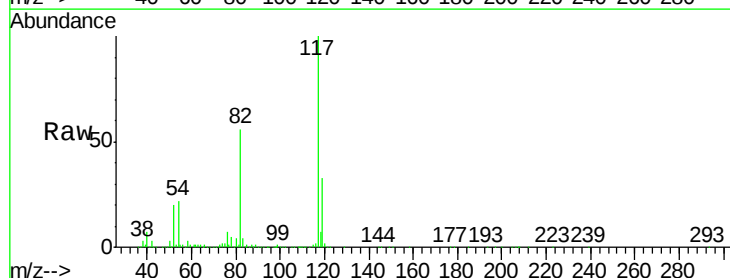
Tgt Ion: 117 Resp: 675977

Ion Ratio Lower Upper

117 100

82 55.9 43.3 64.9

119 33.3 25.9 38.9

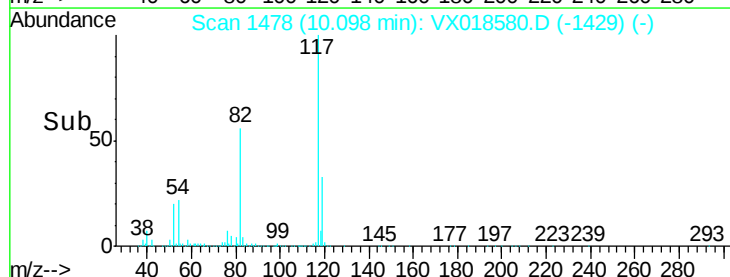


Abundance Ion 116.90 (116.60 to 117.60): VX018460.D (-1471) (-)

Ion 82.00 (81.70 to 82.70): VX018460.D (-1471) (-)

Ion 118.90 (118.60 to 119.60): VX018460.D (-1471) (-)

Time-->

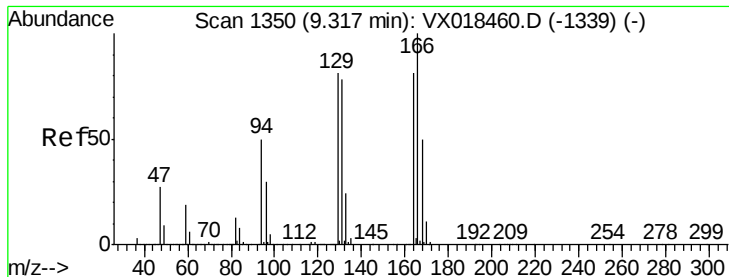


Abundance Ion 116.90 (116.60 to 117.60): VX018580.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX018580.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX018580.D (-1429) (-)

Time-->



#64

Tetrachloroethene

Concen: 20.245 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX018580.D

Acq: 24 Sep 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

MW202D1-20200919

Tot Ion:164 Resp: 107739

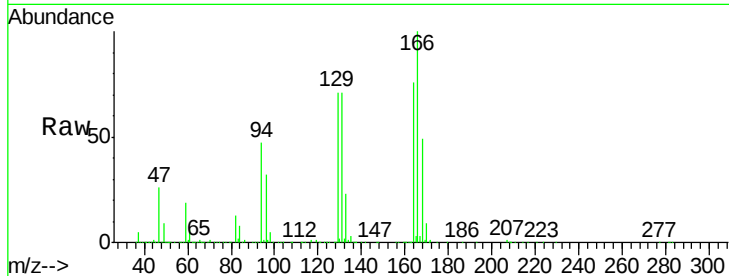
Ion Ratio Lower Upper

164 100

166 131.8 99.3 148.9

129 93.7 80.7 121.1

131 93.9 77.2 115.8

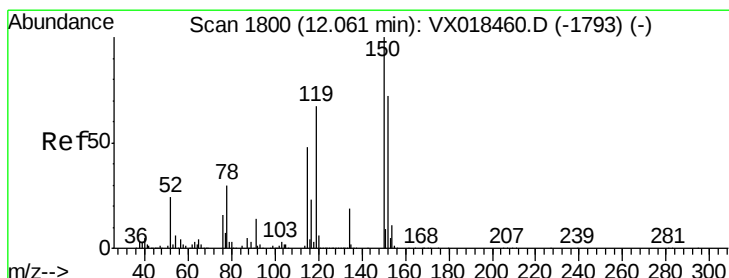
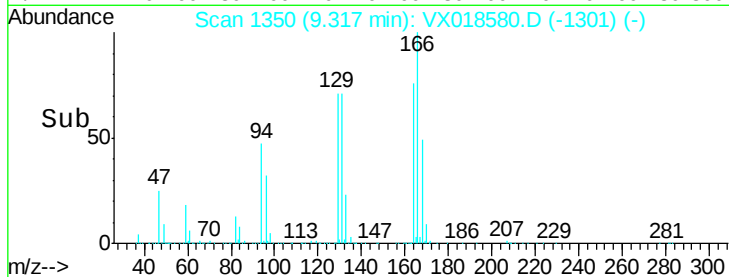
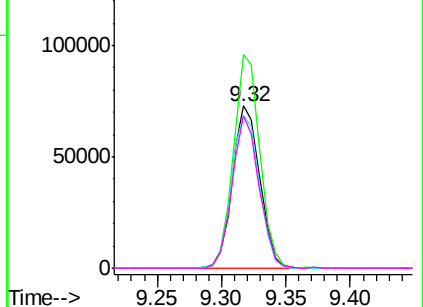


Abundance Ion 163.80 (163.50 to 164.50): V

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018580.D

Acq: 24 Sep 2020 18:09

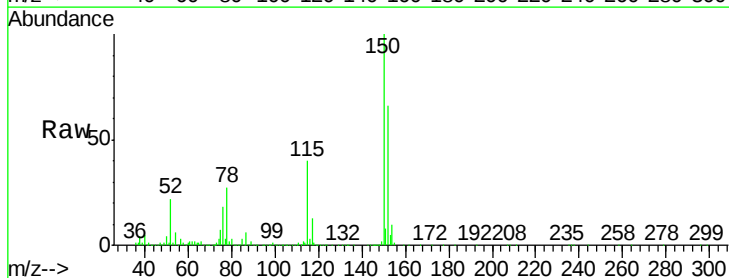
Tgt Ion:152 Resp: 329167

Ion Ratio Lower Upper

152 100

115 60.8 41.8 125.4

150 162.4 0.0 342.4



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

