

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092420\
 Data File : VX018585.D
 Acq On : 24 Sep 2020 20:01
 Operator : JC/SP
 Sample : L4118-21
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D2-20200921

Quant Time: Sep 25 02:37:36 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	440516	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	711474	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	686614	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	333295	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	322436	51.74	ug/l	0.00
Spiked Amount			Recovery	=	103.48%	
35) Dibromofluoromethane	5.46	113	250171	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	
50) Toluene-d8	8.70	98	878615	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
62) 4-Bromofluorobenzene	11.12	95	323355	45.49	ug/l	0.00
Spiked Amount			Recovery	=	90.98%	

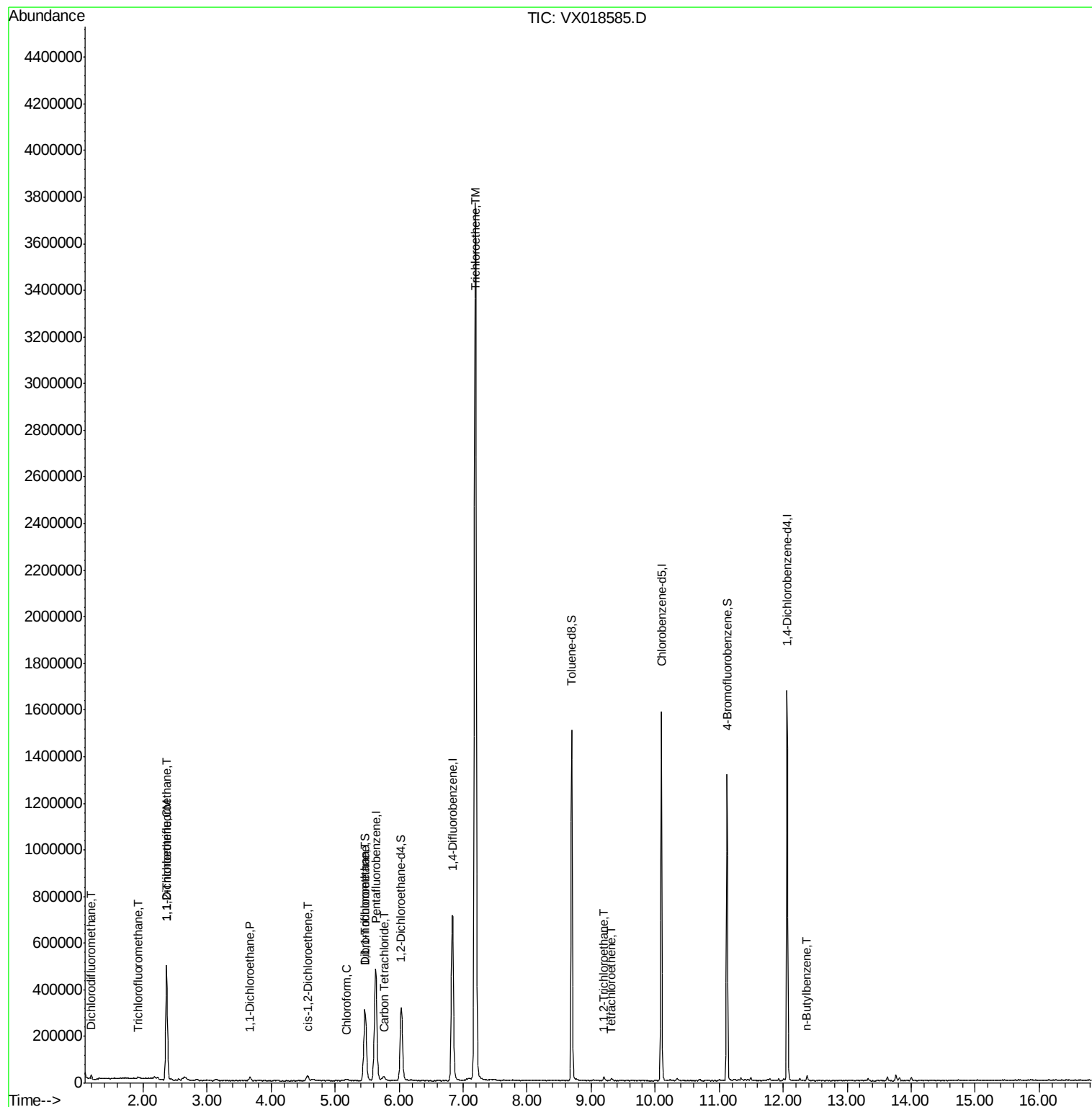
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	2522	0.604	ug/l	87
7) Trichlorofluoromethane	1.92	101	4209	0.535	ug/l #	81
9) 1,1,2-Trichlorotrifluoroet	2.37	101	125538	29.659	ug/l	100
12) 1,1-Dichloroethene	2.36	96	75308	17.653	ug/l	92
24) 1,1-Dichloroethane	3.67	63	15847	1.768	ug/l	95
27) cis-1,2-Dichloroethene	4.57	96	13387	2.409	ug/l	87
30) Chloroform	5.17	83	7676	0.844	ug/l #	81
32) 1,1,1-Trichloroethane	5.46	97	17375	2.037	ug/l	97
38) Carbon Tetrachloride	5.76	117	14422	1.886	ug/l	97
44) Trichloroethene	7.19	130	1424294	248.608	ug/l	93
55) 1,1,2-Trichloroethane	9.20	97	5205	1.007	ug/l	93
64) Tetrachloroethene	9.32	164	2034	0.376	ug/l #	76
89) n-Butylbenzene	12.37	91	5844	0.315	ug/l	96

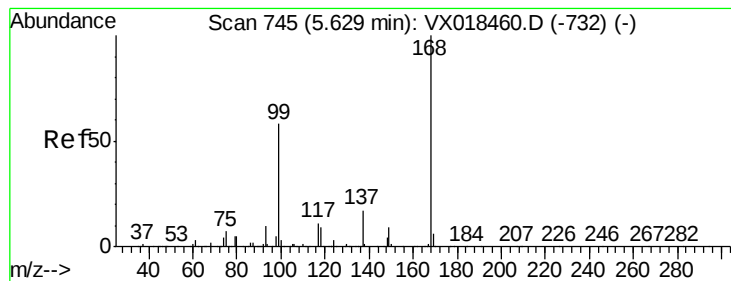
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092420\
Data File : VX018585.D
Acq On : 24 Sep 2020 20:01
Operator : JC/SP
Sample : L4118-21
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20200921

Quant Time: Sep 25 02:37:36 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091720W.M
Quant Title : SW846 8260
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: VX018585.D

Acq: 24 Sep 2020 20:01

Instrument :

MSVOA_X

ClientSampleId :

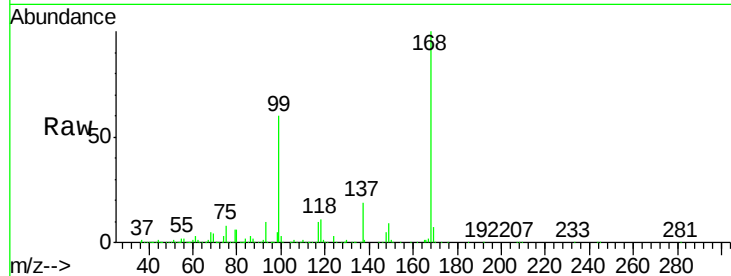
TT180D2-20200921

Tot Ion:168 Resp: 440516

Ion Ratio Lower Upper

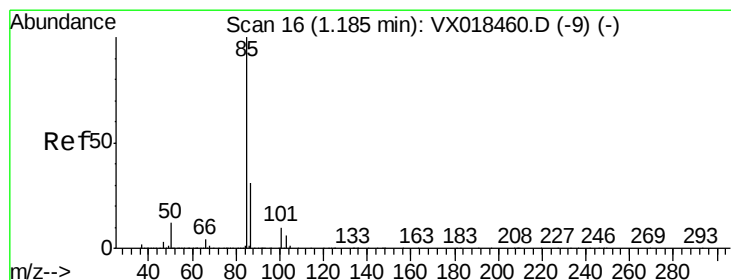
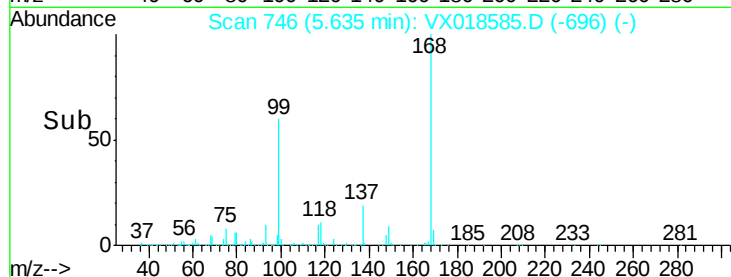
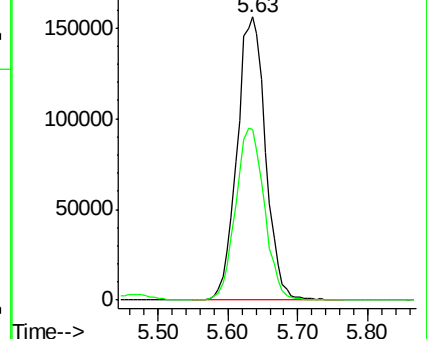
168 100

99 60.1 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.604 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX018585.D

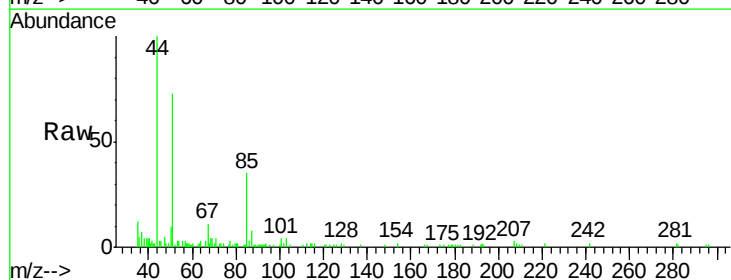
Acq: 24 Sep 2020 20:01

Tgt Ion: 85 Resp: 2522

Ion Ratio Lower Upper

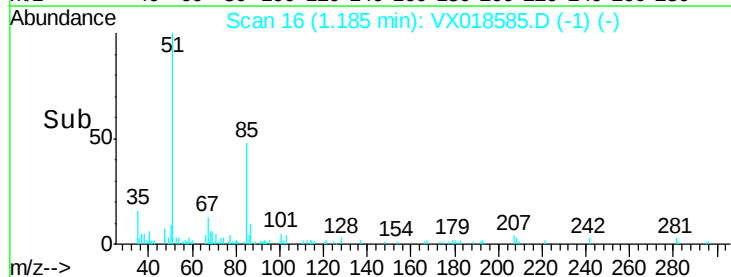
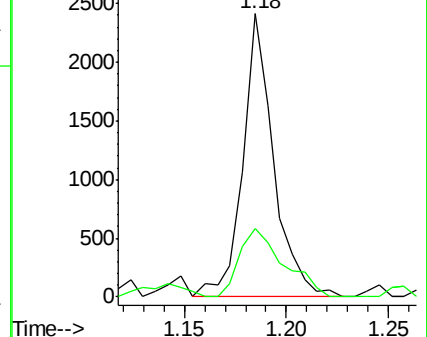
85 100

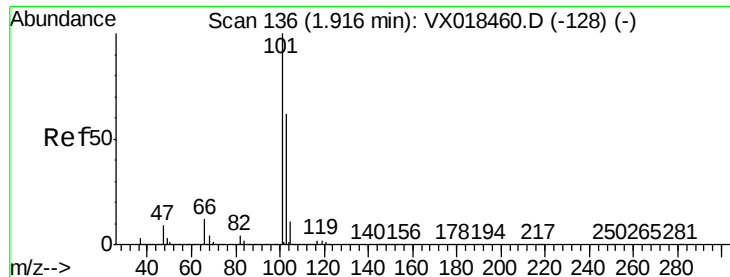
87 24.0 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0



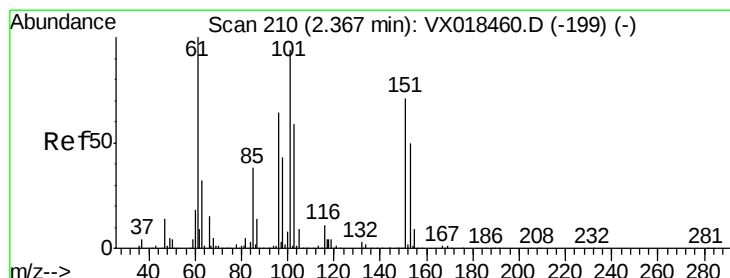
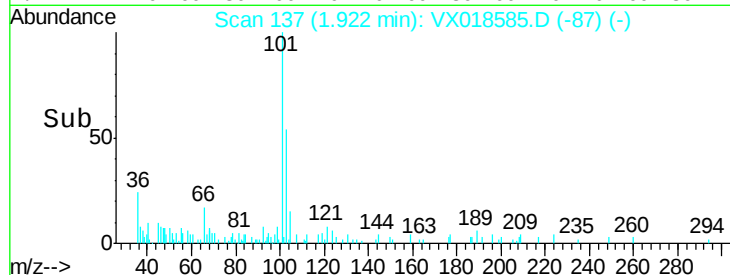
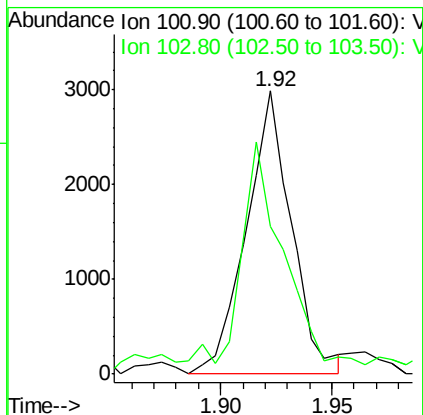
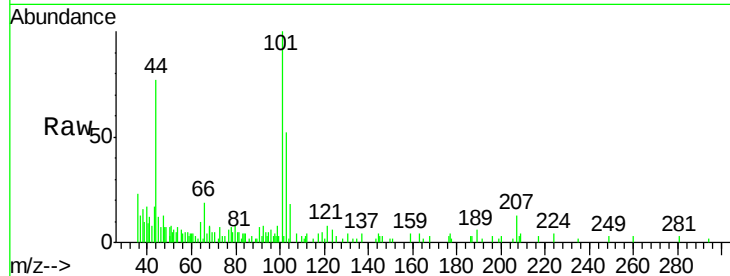


#7

Trichlorofluoromethane
Concen: 0.535 ug/l
RT: 1.92 min Scan# 137
Delta R.T. 0.01 min
Lab File: VX018585.D
Acq: 24 Sep 2020 20:01

Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20200921

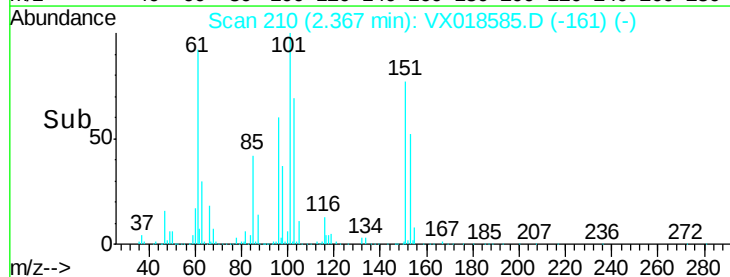
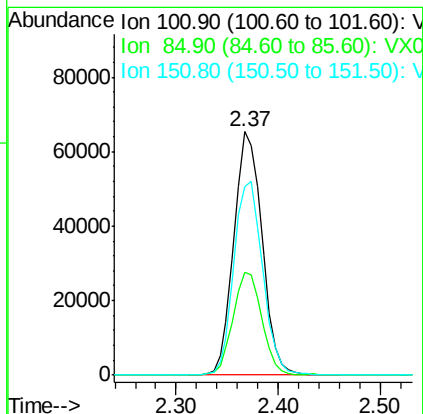
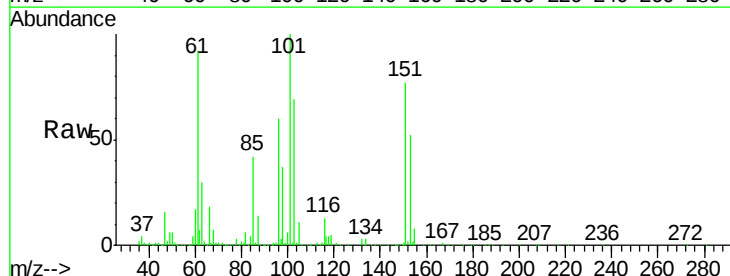
Tot Ion:101 Resp: 4209
Ion Ratio Lower Upper
101 100
103 47.2 49.6 74.4#

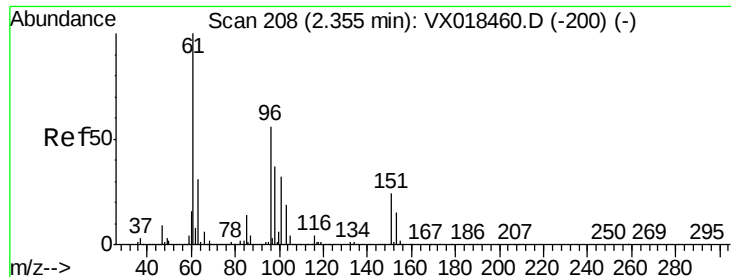


#9

1,1,2-Trichlorotrifluoroethane
Concen: 29.659 ug/l
RT: 2.37 min Scan# 210
Delta R.T. -0.00 min
Lab File: VX018585.D
Acq: 24 Sep 2020 20:01

Tgt Ion:101 Resp: 125538
Ion Ratio Lower Upper
101 100
85 42.9 34.7 52.1
151 81.1 64.9 97.3





#12

1,1-Dichloroethene

Concen: 17.653 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.01 min

Lab File: VX018585.D

Acq: 24 Sep 2020 20:01

Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20200921

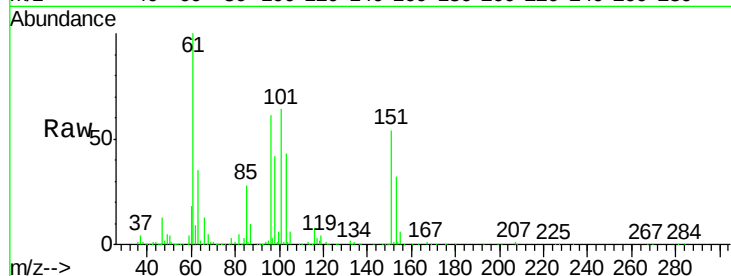
Tot Ion: 96 Resp: 75308

Ion Ratio Lower Upper

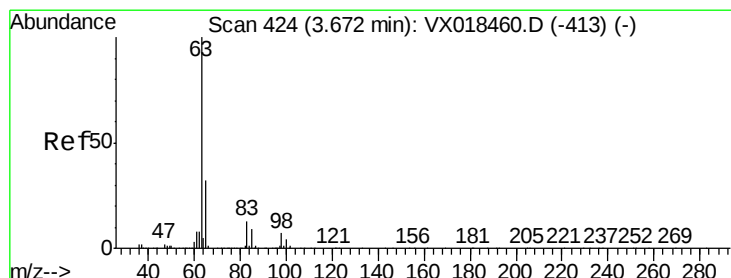
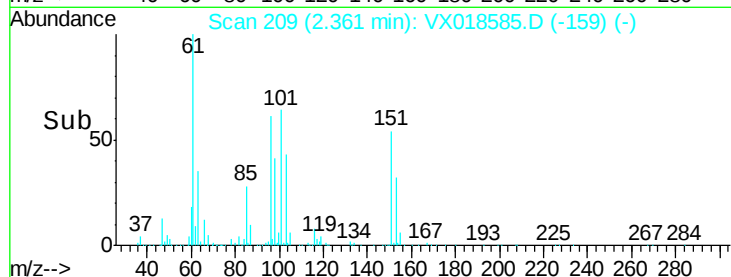
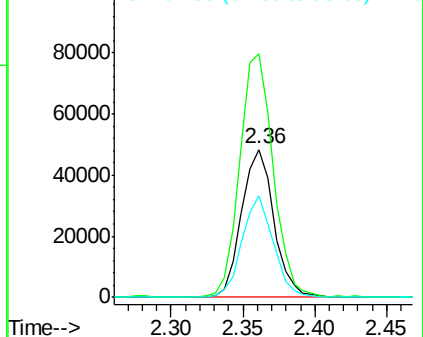
96 100

61 164.7 142.2 213.4

98 68.3 52.4 78.6



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



#24

1,1-Dichloroethane

Concen: 1.768 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX018585.D

Acq: 24 Sep 2020 20:01

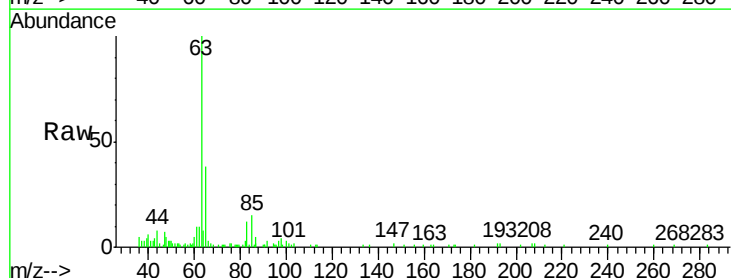
Tgt Ion: 63 Resp: 15847

Ion Ratio Lower Upper

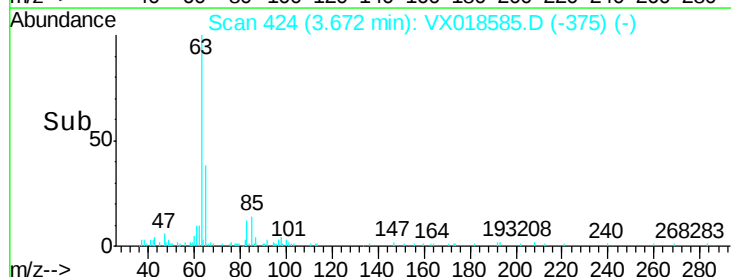
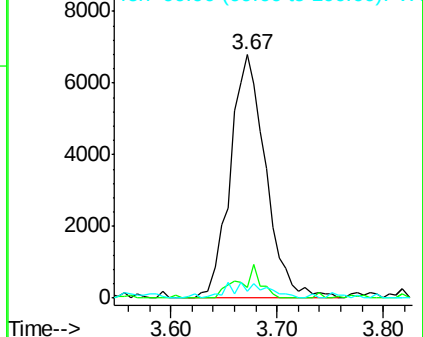
63 100

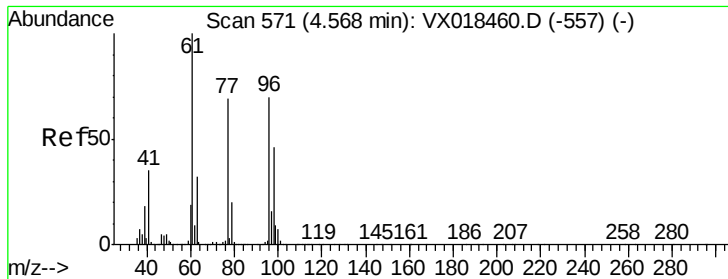
98 5.2 3.5 10.6

100 2.1 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



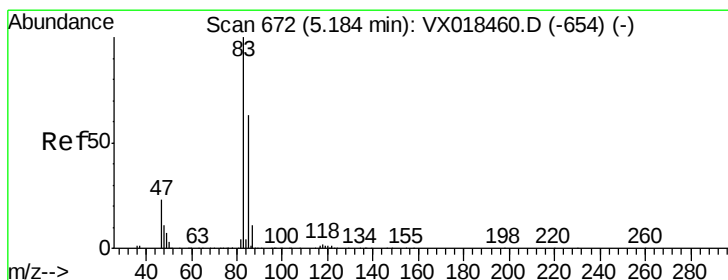
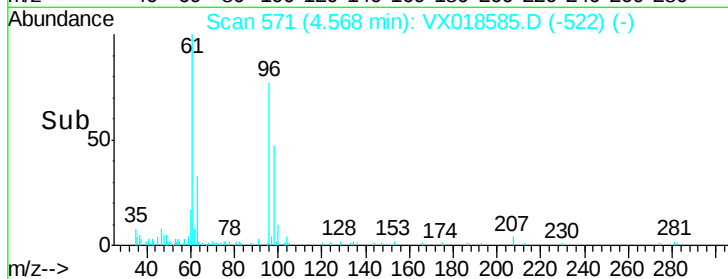
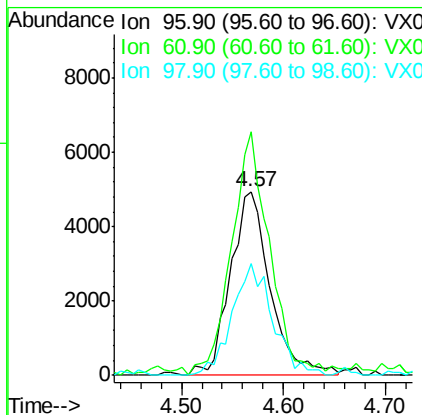
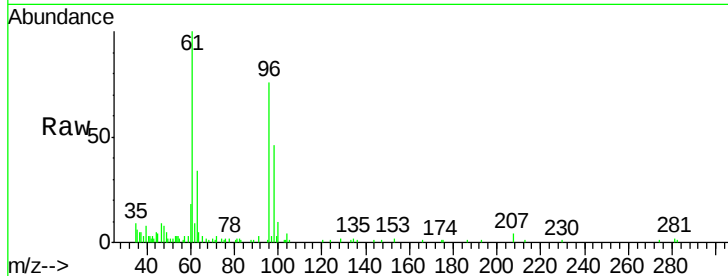


#27

cis-1,2-Dichloroethene
Concen: 2.409 ug/l
RT: 4.57 min Scan# 571
Delta R.T. -0.00 min
Lab File: VX018585.D
Acq: 24 Sep 2020 20:01

Instrument :
MSVOA_X
ClientSampleId :
TT180D2-20200921

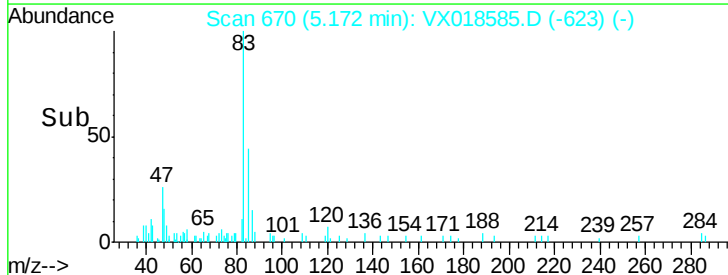
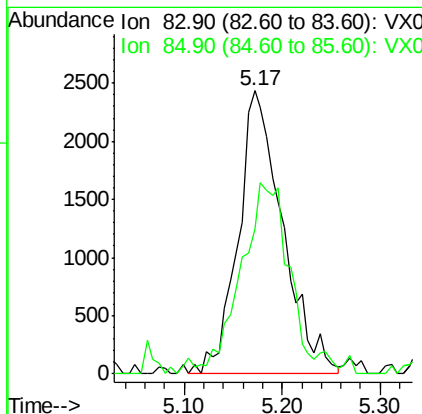
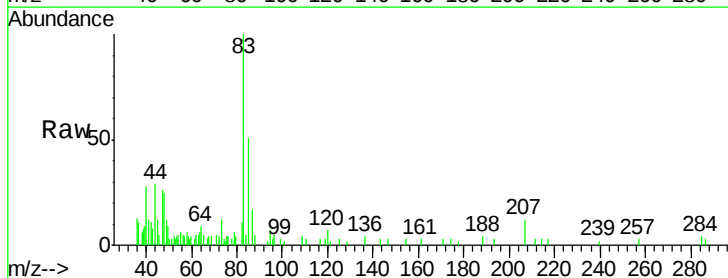
Tot Ion	96	Resp	13387
Ion	Ratio	Lower	Upper
96	100		
61	127.7	0.0	300.0
98	62.2	0.0	130.4

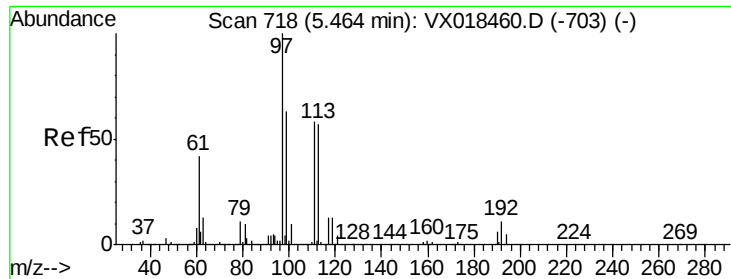


#30

Chloroform
Concen: 0.844 ug/l
RT: 5.17 min Scan# 670
Delta R.T. -0.01 min
Lab File: VX018585.D
Acq: 24 Sep 2020 20:01

Tgt Ion	83	Resp	7676
Ion	Ratio	Lower	Upper
83	100		
85	48.9	50.6	76.0#





#32

1,1,1-Trichloroethane

Concen: 2.037 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX018585.D

Acq: 24 Sep 2020 20:01

Instrument :

MSVOA_X

ClientSampleId :

TT180D2-20200921

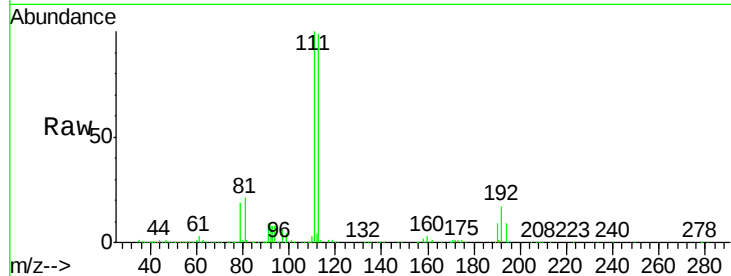
Tot Ion: 97 Resp: 17375

Ion Ratio Lower Upper

97 100

99 64.5 50.5 75.7

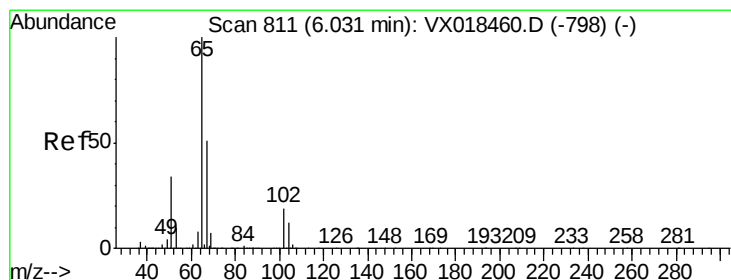
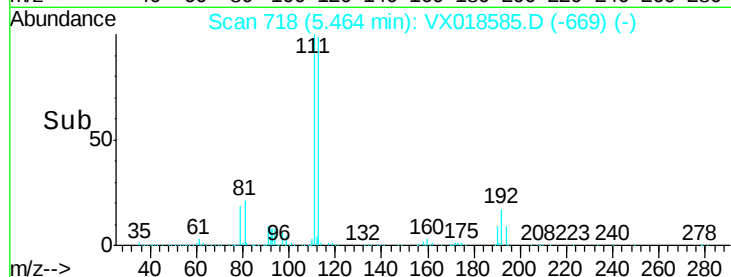
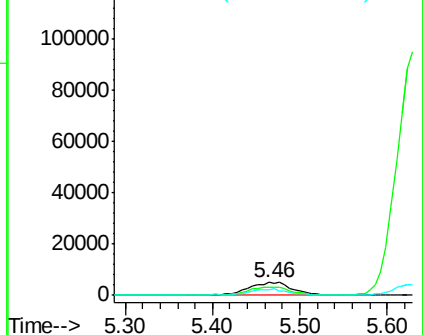
61 44.9 33.4 50.2



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 51.741 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018585.D

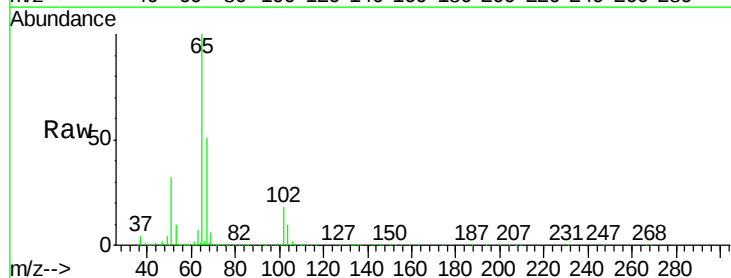
Acq: 24 Sep 2020 20:01

Tgt Ion: 65 Resp: 322436

Ion Ratio Lower Upper

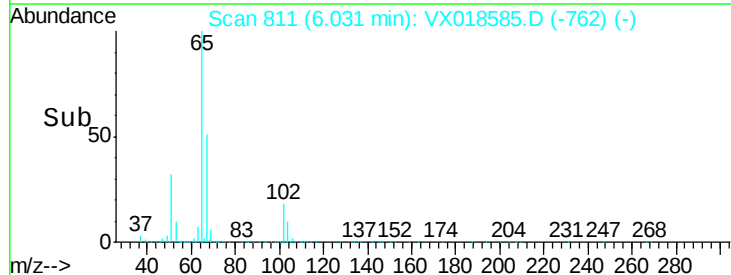
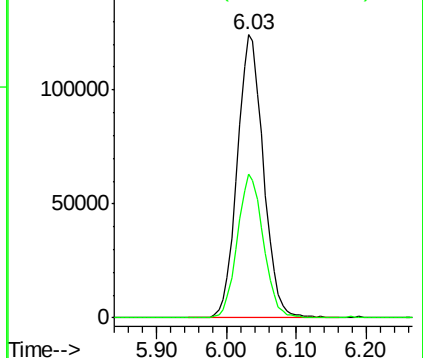
65 100

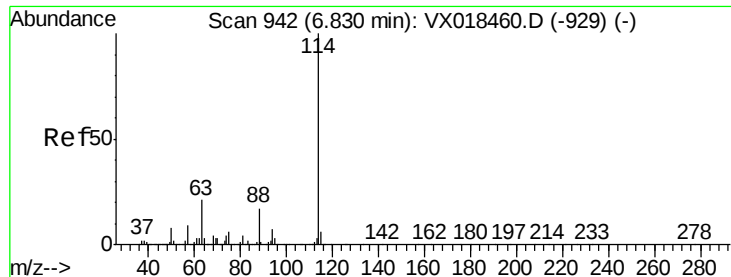
67 50.7 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX018585.D

Acq: 24 Sep 2020 20:01

Instrument :

MSVOA_X

ClientSampleId :

TT180D2-20200921

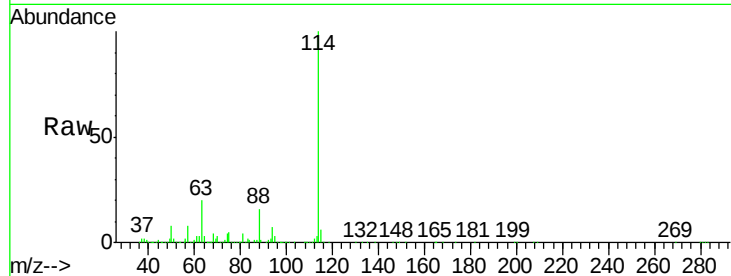
Tot Ion:114 Resp: 711474

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.8

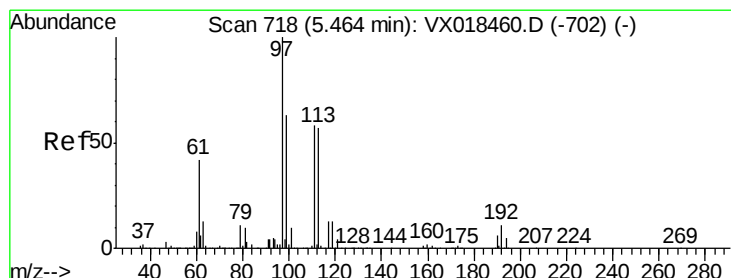
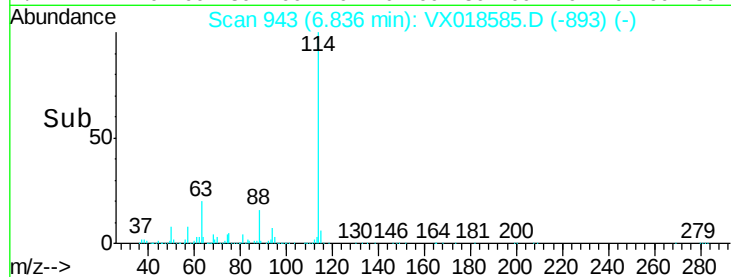
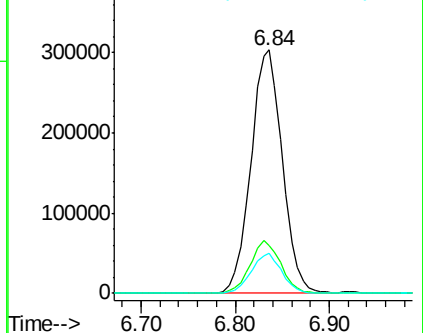
88 16.3 0.0 33.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 50.863 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX018585.D

Acq: 24 Sep 2020 20:01

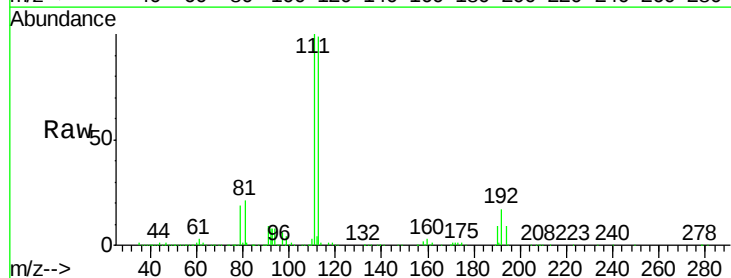
Tgt Ion:113 Resp: 250171

Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.2

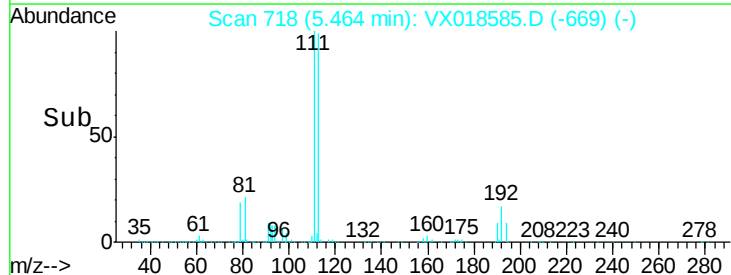
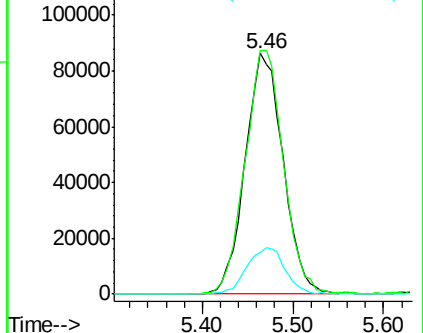
192 19.5 16.6 24.8

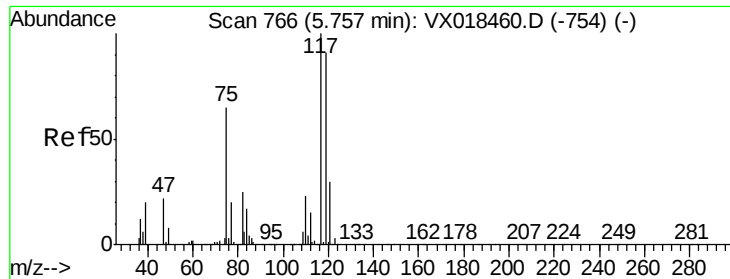


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 1.886 ug/l

RT: 5.76 min Scan# 767

Delta R.T. 0.01 min

Lab File: VX018585.D

Acq: 24 Sep 2020 20:01

Instrument :

MSVOA_X

ClientSampleId :

TT180D2-20200921

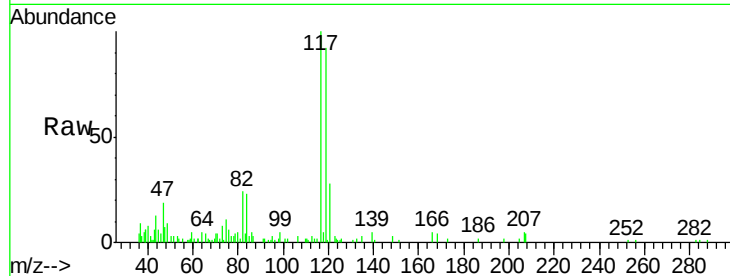
Tot Ion:117 Resp: 14422

Ion Ratio Lower Upper

117 100

119 92.4 72.3 108.5

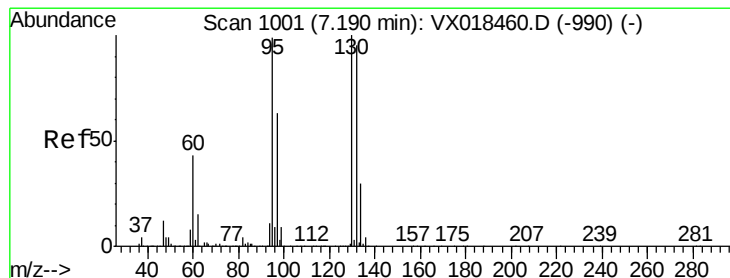
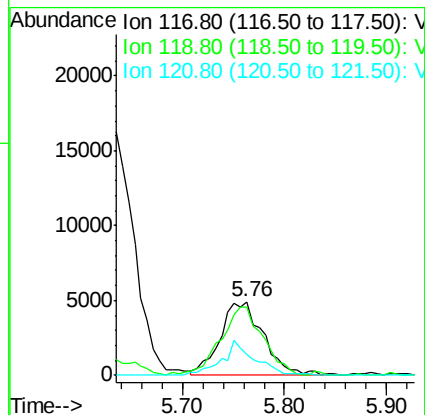
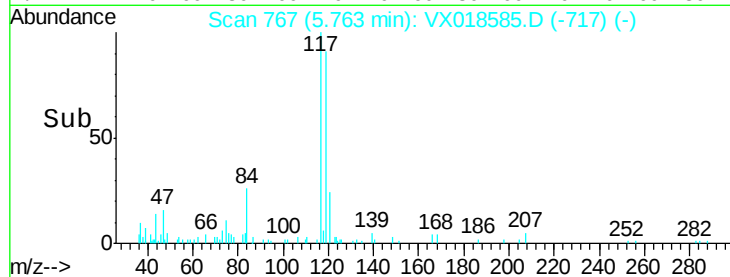
121 26.6 23.8 35.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 248.608 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX018585.D

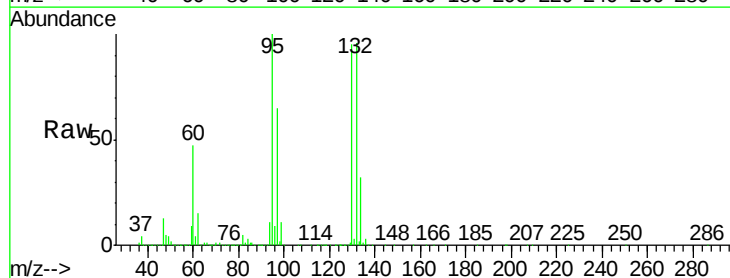
Acq: 24 Sep 2020 20:01

Tgt Ion:130 Resp: 1424294

Ion Ratio Lower Upper

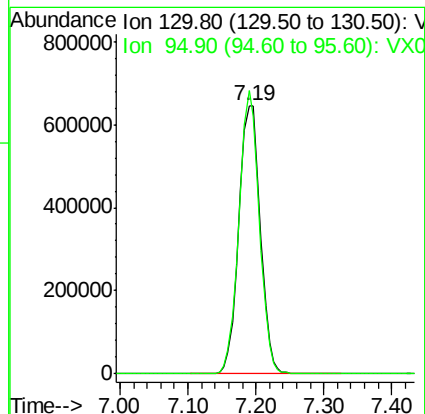
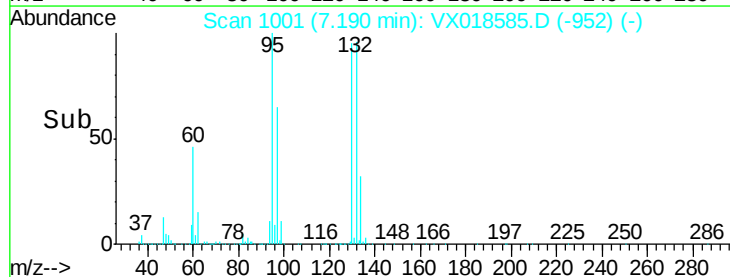
130 100

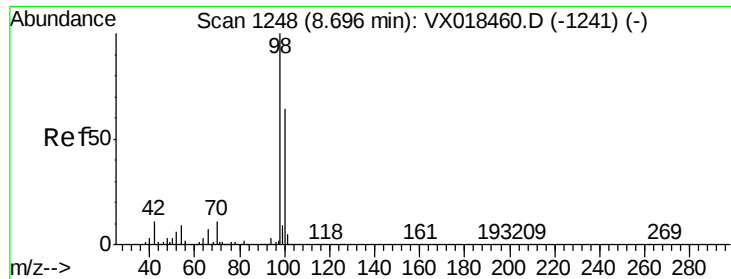
95 105.6 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 49.165 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018585.D

Acq: 24 Sep 2020 20:01

Instrument :

MSVOA_X

ClientSampleId :

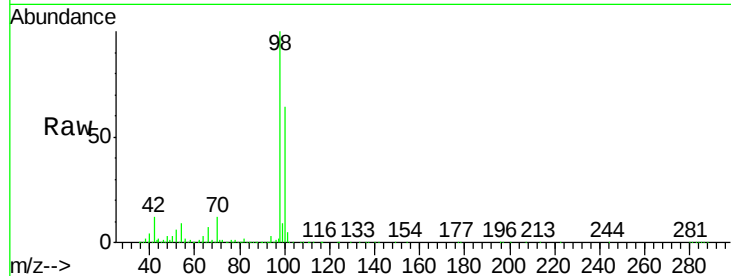
TT180D2-20200921

Tot Ion: 98 Resp: 878615

Ion Ratio Lower Upper

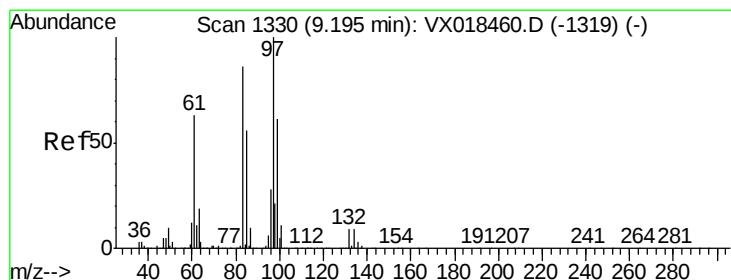
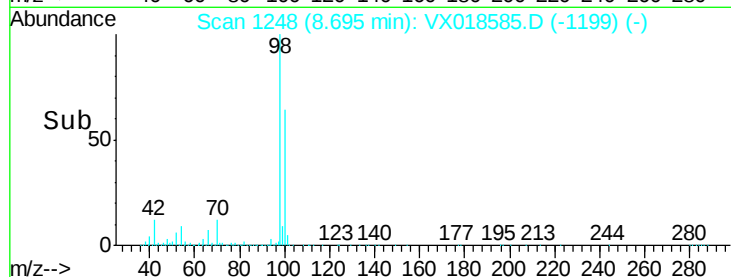
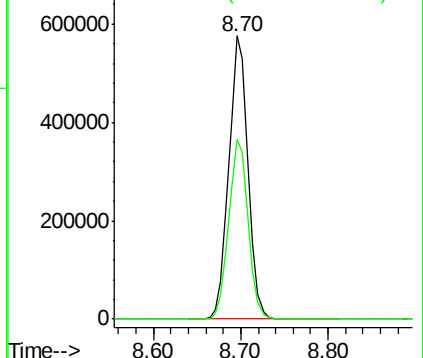
98 100

100 64.1 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#55

1,1,2-Trichloroethane

Concen: 1.007 ug/l

RT: 9.20 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VX018585.D

Acq: 24 Sep 2020 20:01

Tgt Ion: 97 Resp: 5205

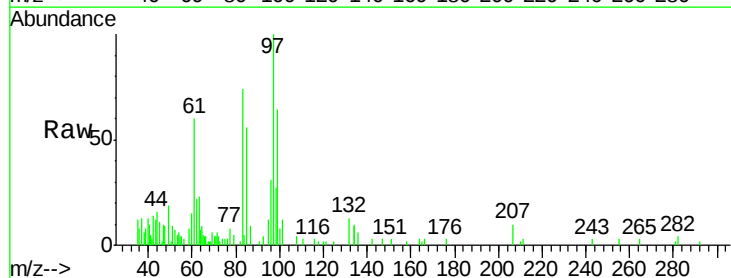
Ion Ratio Lower Upper

97 100

83 73.8 68.5 102.7

85 51.8 44.8 67.2

99 62.2 48.9 73.3

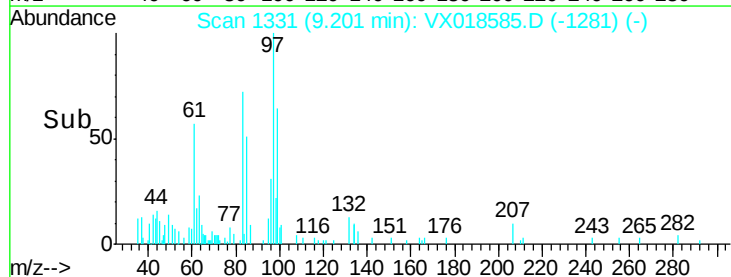
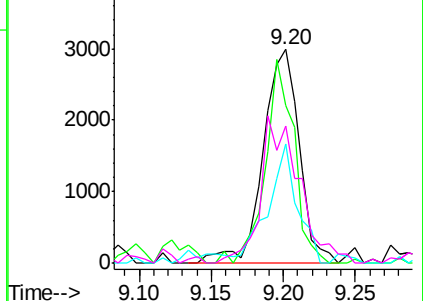


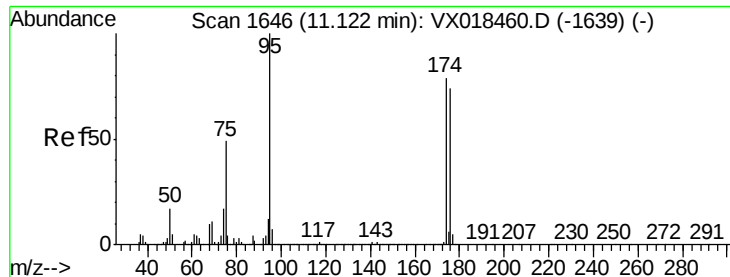
Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0





#62

4-Bromofluorobenzene

Concen: 45.488 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018585.D

Acq: 24 Sep 2020 20:01

Instrument :

MSVOA_X

ClientSampleId :

TT180D2-20200921

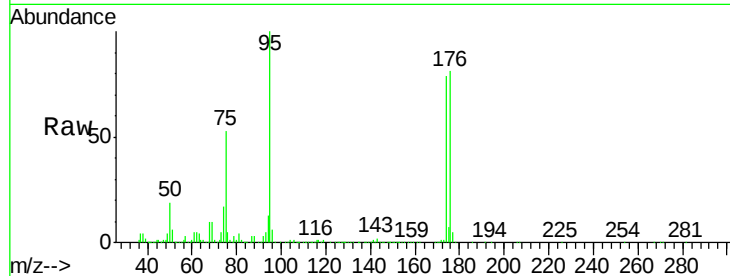
Tot Ion: 95 Resp: 323355

Ion Ratio Lower Upper

95 100

174 79.9 0.0 161.4

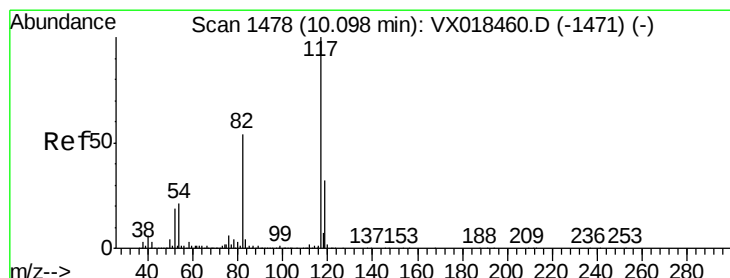
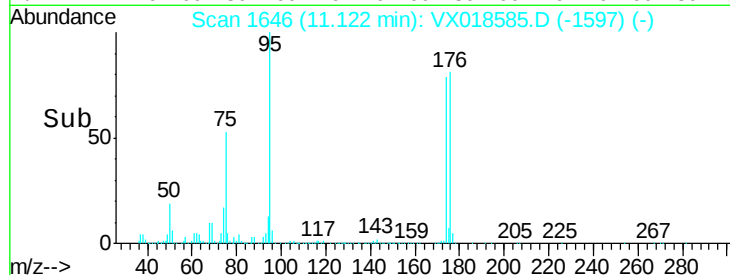
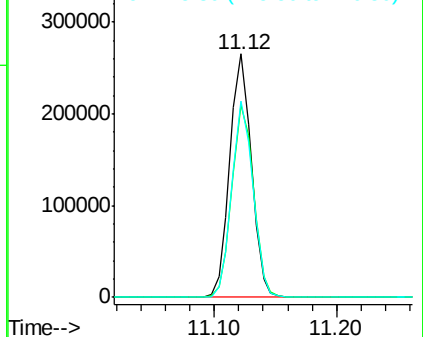
176 79.1 0.0 151.4



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018585.D

Acq: 24 Sep 2020 20:01

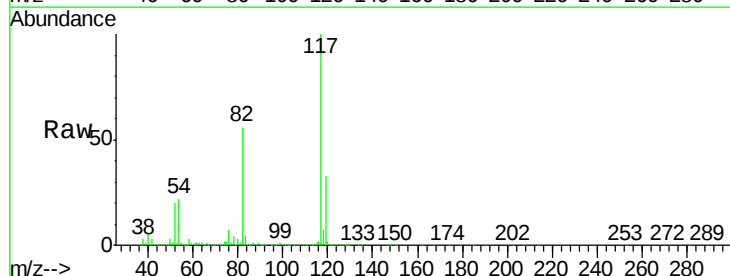
Tgt Ion: 117 Resp: 686614

Ion Ratio Lower Upper

117 100

82 55.8 43.3 64.9

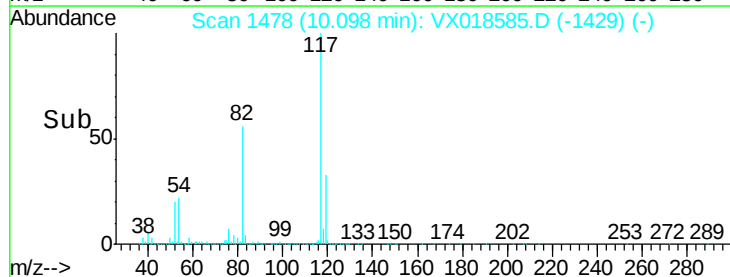
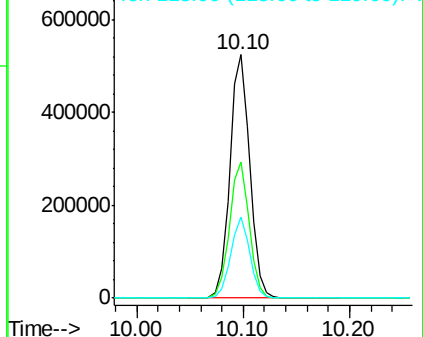
119 33.2 25.9 38.9

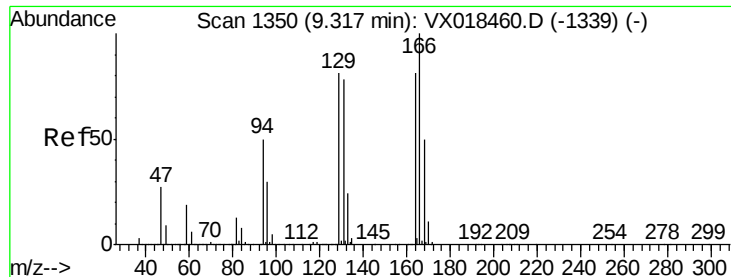


Abundance Ion 116.90 (116.60 to 117.60): VX018460.D (-1471) (-)

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

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





#64

Tetrachloroethene

Concen: 0.376 ug/l

RT: 9.32 min Scan# 1351

Delta R.T. 0.01 min

Lab File: VX018585.D

Acq: 24 Sep 2020 20:01

Instrument :

MSVOA_X

ClientSampleId :

TT180D2-20200921

Tot Ion:164 Resp: 2034

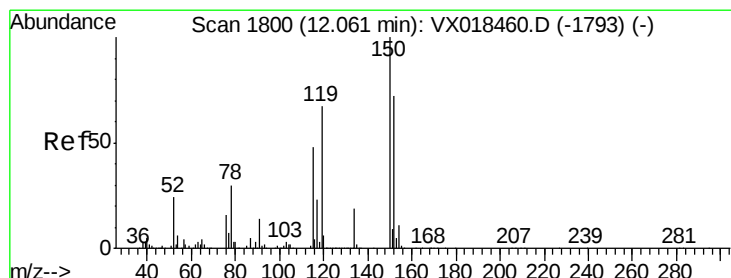
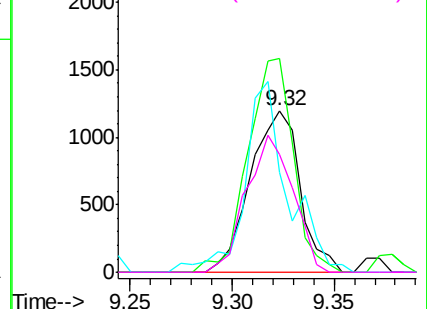
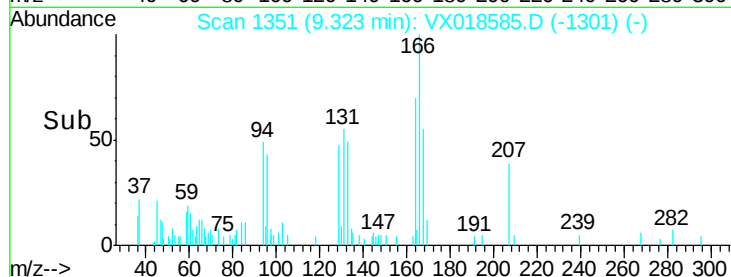
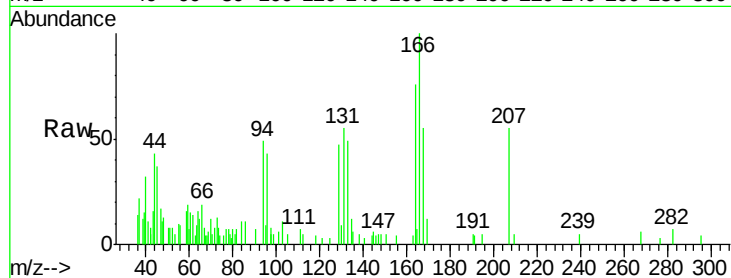
Ion Ratio Lower Upper

164 100

166 132.4 99.3 148.9

129 57.4 80.7 121.1#

131 73.0 77.2 115.8#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018585.D

Acq: 24 Sep 2020 20:01

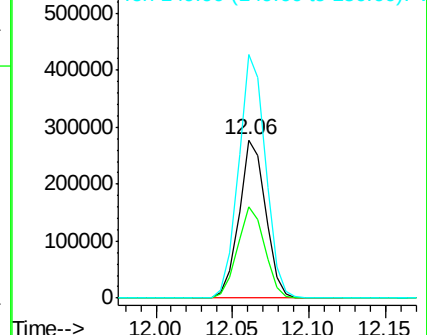
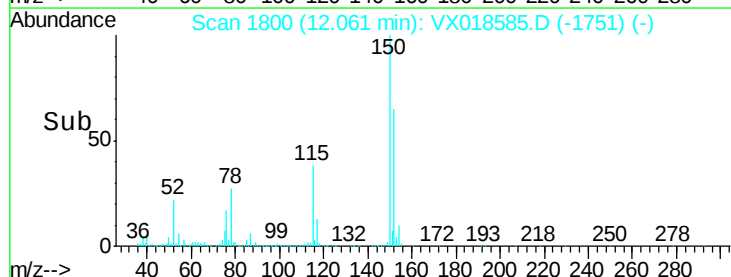
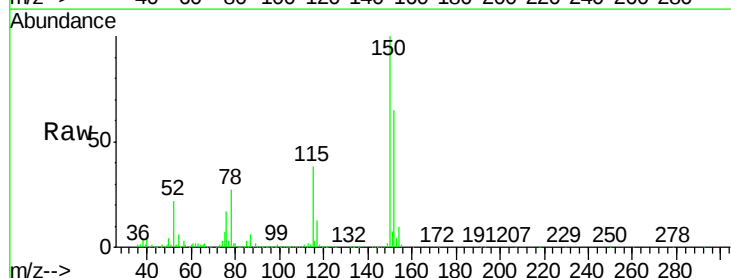
Tgt Ion:152 Resp: 333295

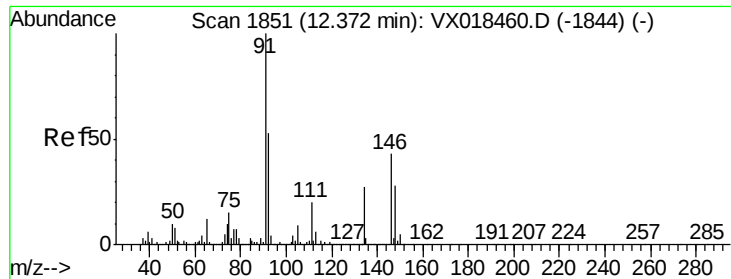
Ion Ratio Lower Upper

152 100

115 59.7 41.8 125.4

150 156.9 0.0 342.4





#89

n-Butylbenzene

Concen: 0.315 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VX018585.D

Acq: 24 Sep 2020 20:01

Instrument :

MSVOA_X

ClientSampleId :

TT180D2-20200921

Tot Ion: 91 Resp: 5844

Ion Ratio Lower Upper

91 100

92 49.1 26.1 78.2

134 28.1 13.3 39.8

