

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060519\
 Data File : VX010073.D
 Acq On : 05 Jun 2019 13:44
 Operator : JC/SP
 Sample : K3190-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-MW201D-20190603

Quant Time: Jun 06 06:53:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	177693	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	287015	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	255565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	112963	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	118168	47.08	ug/l	0.00
Spiked Amount			Recovery	=	94.16%	
35) Dibromofluoromethane	5.50	113	86568	47.97	ug/l	0.00
Spiked Amount			Recovery	=	95.94%	
50) Toluene-d8	8.71	98	357677	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
62) 4-Bromofluorobenzene	11.13	95	122099	46.39	ug/l	0.00
Spiked Amount			Recovery	=	92.78%	

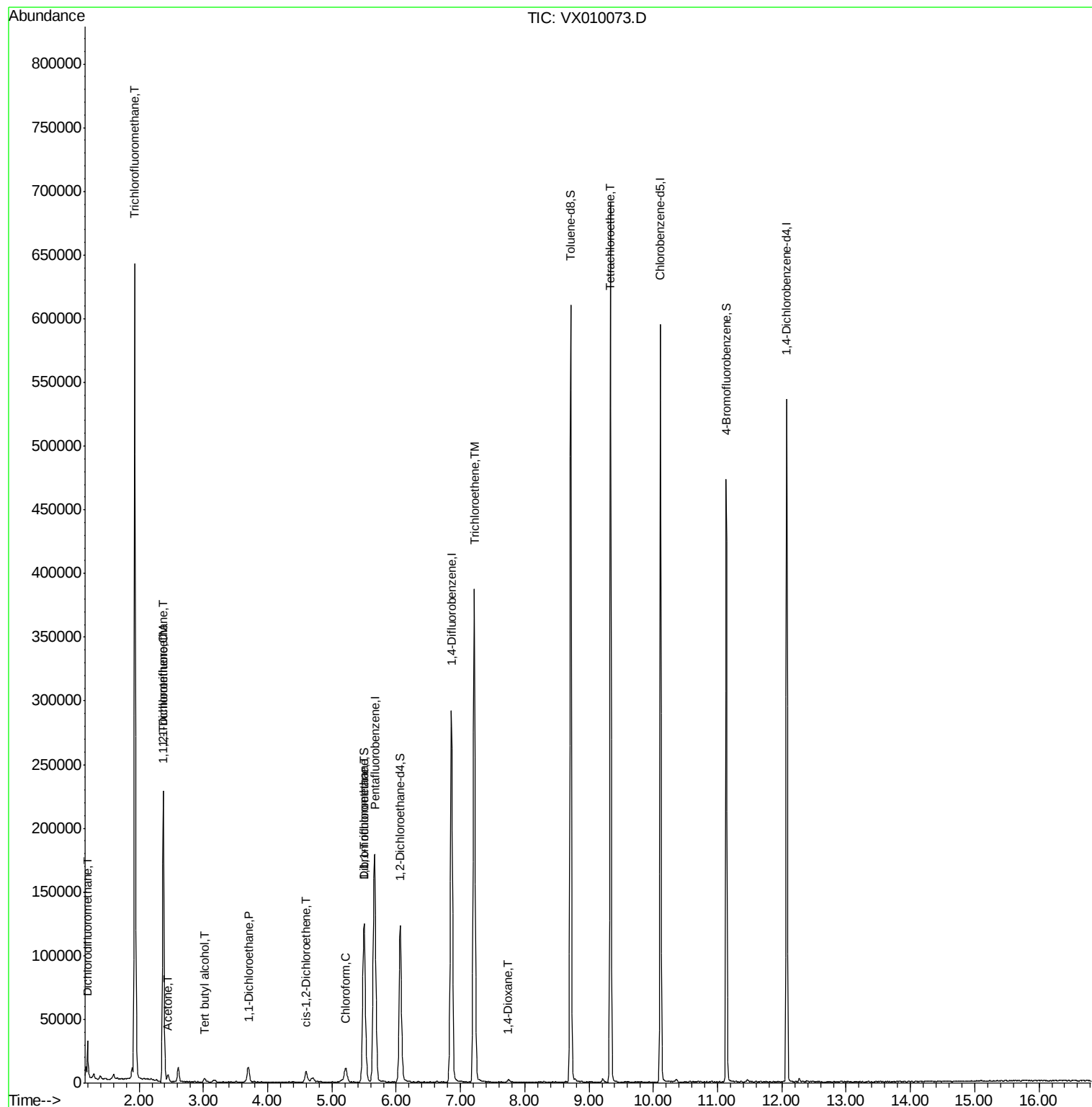
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	17684	8.144	ug/l	96
7) Trichlorofluoromethane	1.93	101	415935	143.035	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	5279	3.007	ug/l	98
11) Tert butyl alcohol	3.03	59	1830	2.962	ug/l #	81
12) 1,1-Dichloroethene	2.37	96	72103	40.067	ug/l	95
16) Acetone	2.44	43	2744	1.892	ug/l	89
24) 1,1-Dichloroethane	3.70	63	13969	3.464	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	4814	2.083	ug/l	90
30) Chloroform	5.21	83	13124	3.608	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	22127	7.470	ug/l	100
44) Trichloroethene	7.21	130	148003	70.533	ug/l	95
49) 1,4-Dioxane	7.74	88	1566	25.976	ug/l	91
64) Tetrachloroethene	9.34	164	133639	74.863	ug/l	99

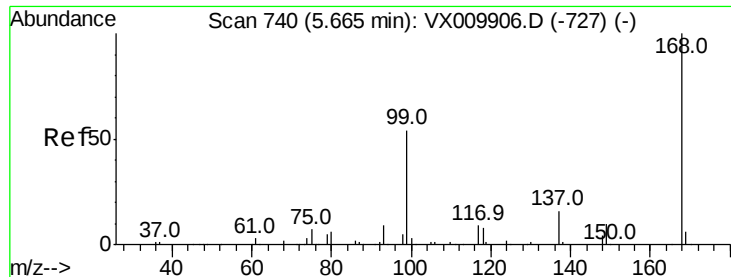
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060519\
Data File : VX010073.D
Acq On : 05 Jun 2019 13:44
Operator : JC/SP
Sample : K3190-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW201D-20190603

Quant Time: Jun 06 06:53:40 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010073.D

Acq: 05 Jun 2019 13:44

Instrument :

MSVOA_X

ClientSampleId :

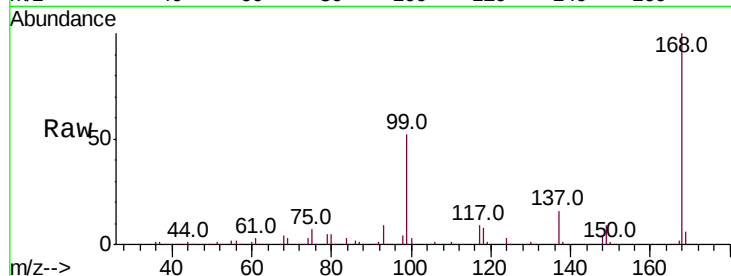
BP-TT-MW201D-20190603

Tot Ion:168 Resp: 177693

Ion Ratio Lower Upper

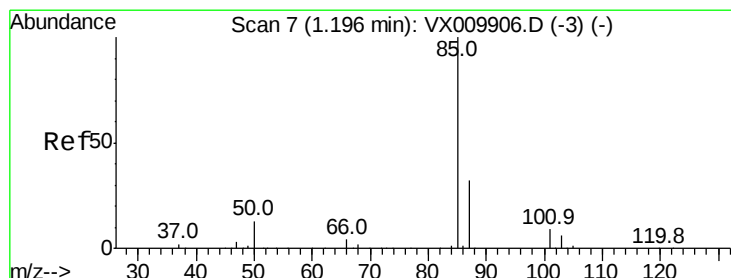
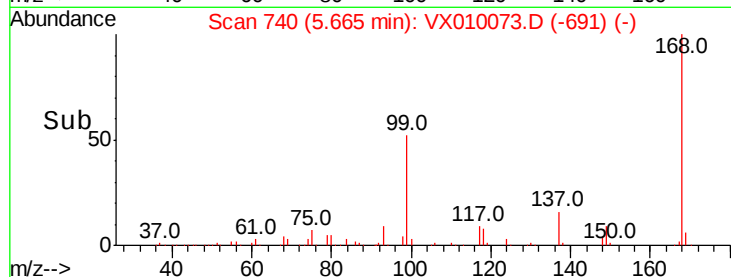
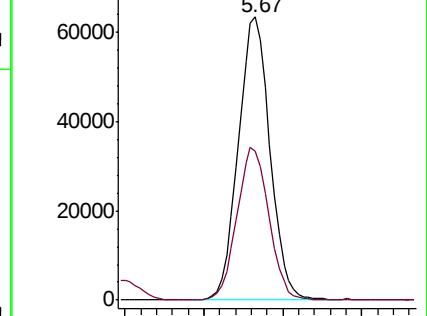
168 100

99 52.5 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 8.144 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010073.D

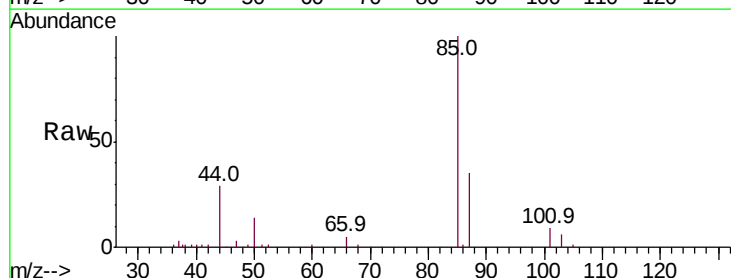
Acq: 05 Jun 2019 13:44

Tgt Ion: 85 Resp: 17684

Ion Ratio Lower Upper

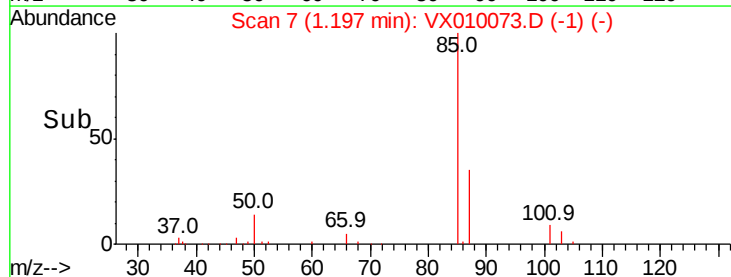
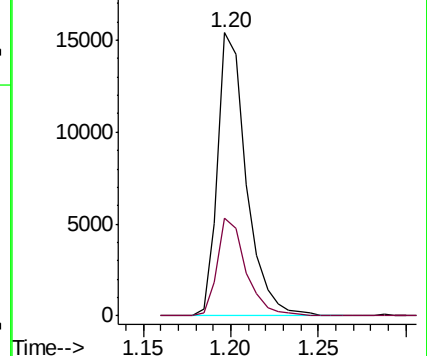
85 100

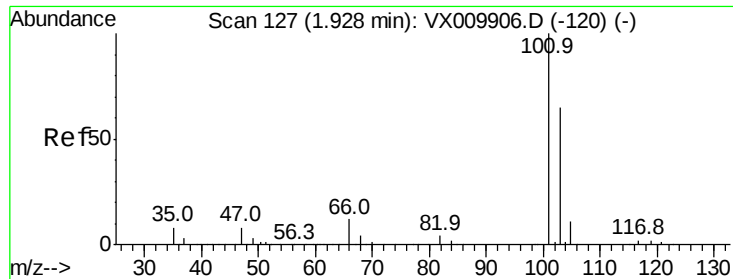
87 34.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0



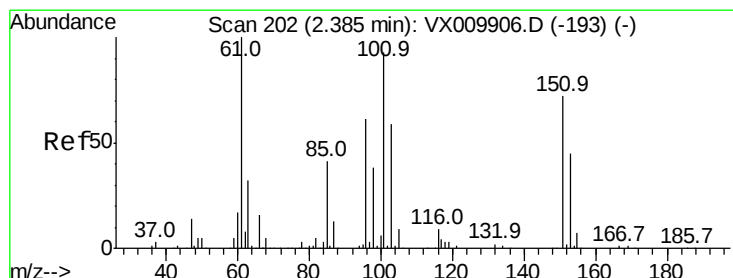
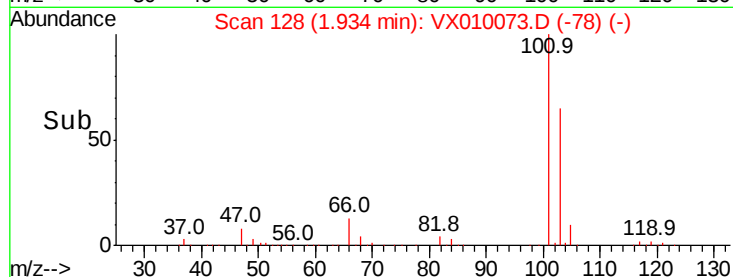
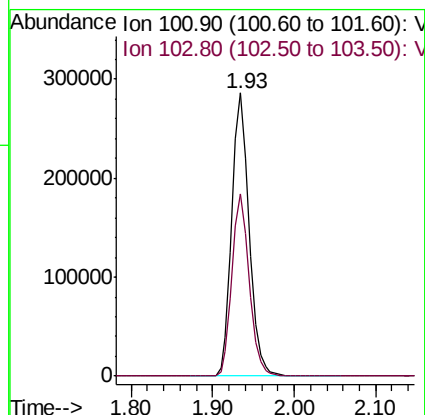
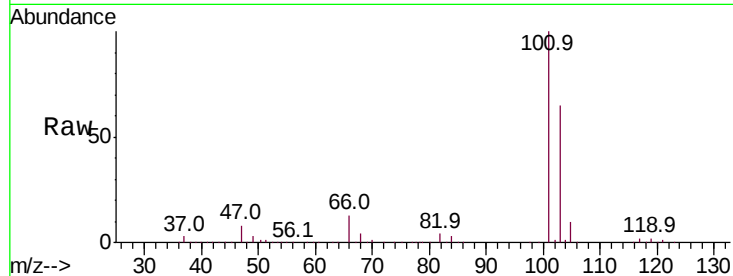


#7

Trichlorofluoromethane
 Concen: 143.035 ug/l
 RT: 1.93 min Scan# 128
 Delta R.T. 0.01 min
 Lab File: VX010073.D
 Acq: 05 Jun 2019 13:44

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-MW201D-20190603

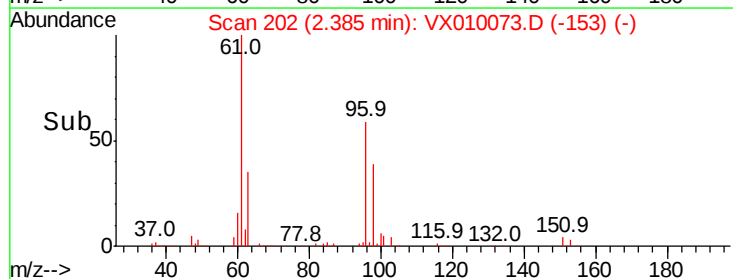
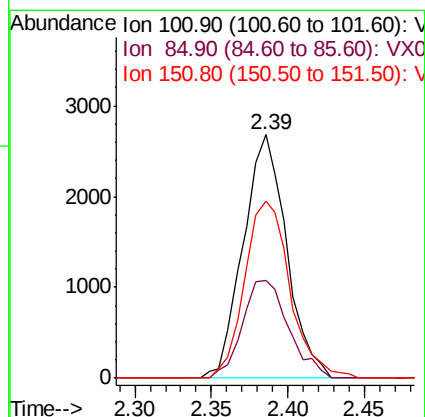
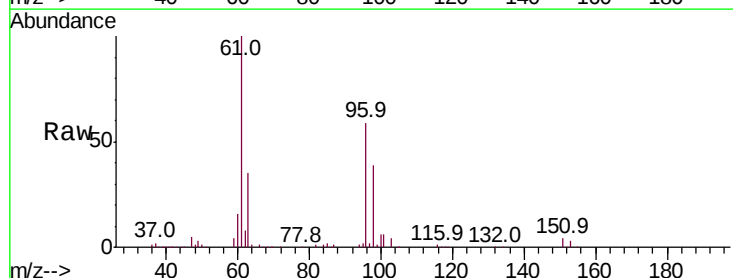
Tot Ion:101 Resp: 415935
 Ion Ratio Lower Upper
 101 100
 103 64.6 52.2 78.4

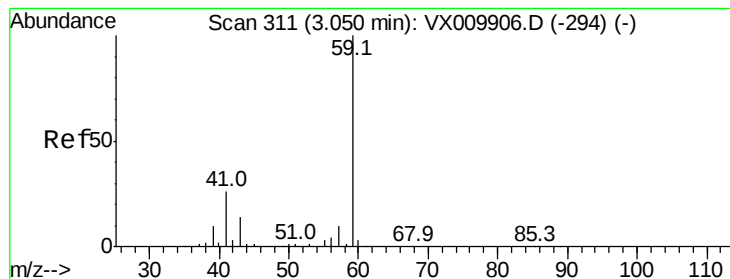


#9

1,1,2-Trichlorotrifluoroethane
 Concen: 3.007 ug/l
 RT: 2.39 min Scan# 202
 Delta R.T. 0.00 min
 Lab File: VX010073.D
 Acq: 05 Jun 2019 13:44

Tgt Ion:101 Resp: 5279
 Ion Ratio Lower Upper
 101 100
 85 42.7 35.2 52.8
 151 76.3 61.9 92.9



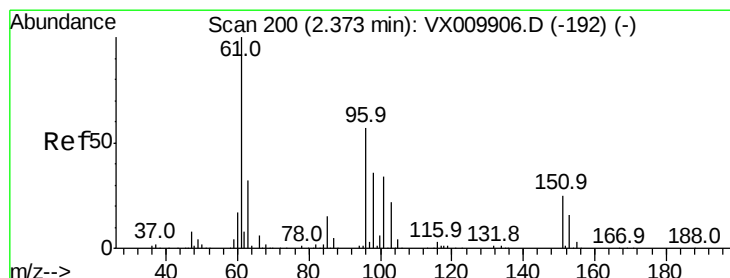
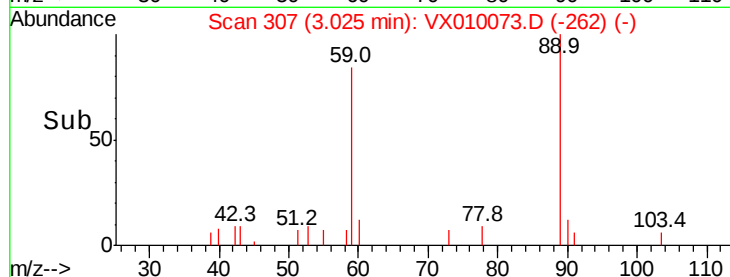
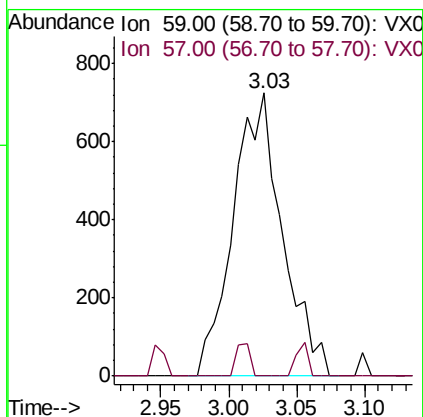
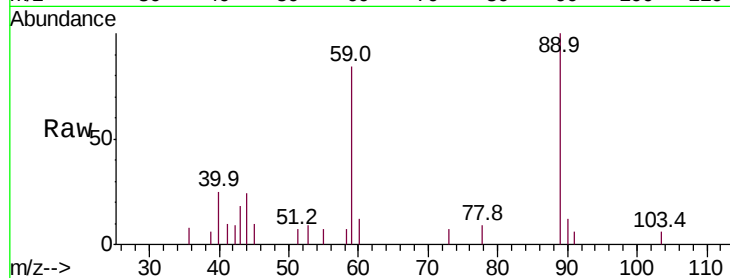


#11

Tert butyl alcohol
 Concen: 2.962 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.02 min
 Lab File: VX010073.D
 Acq: 05 Jun 2019 13:44

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-MW201D-20190603

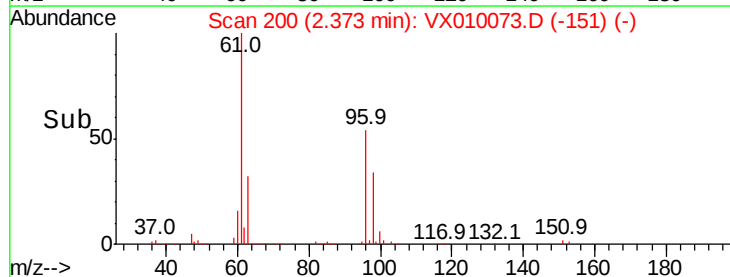
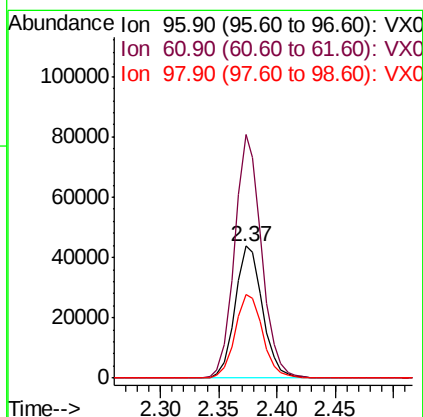
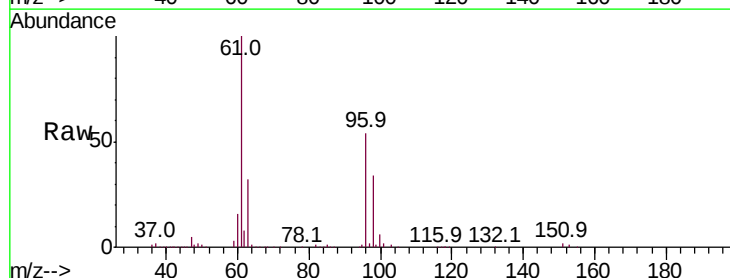
Tot Ion: 59 Resp: 1830
 Ion Ratio Lower Upper
 59 100
 57 3.3 8.2 12.2#

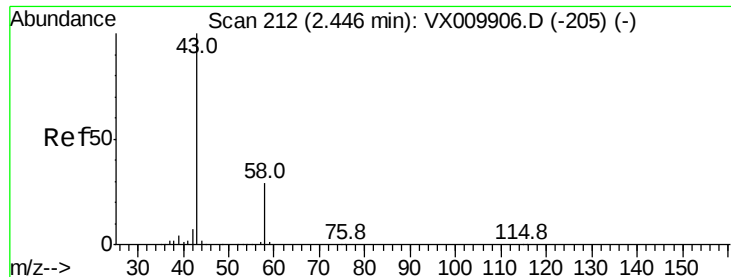


#12

1,1-Dichloroethene
 Concen: 40.067 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX010073.D
 Acq: 05 Jun 2019 13:44

Tgt Ion: 96 Resp: 72103
 Ion Ratio Lower Upper
 96 100
 61 184.8 140.7 211.1
 98 63.7 50.1 75.1





#16

Acetone

Concen: 1.892 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010073.D

Acq: 05 Jun 2019 13:44

Instrument :

MSVOA_X

ClientSampleId :

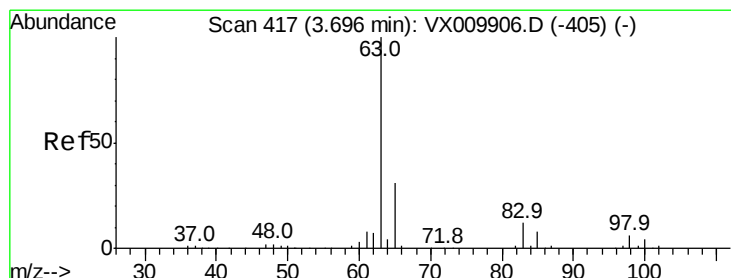
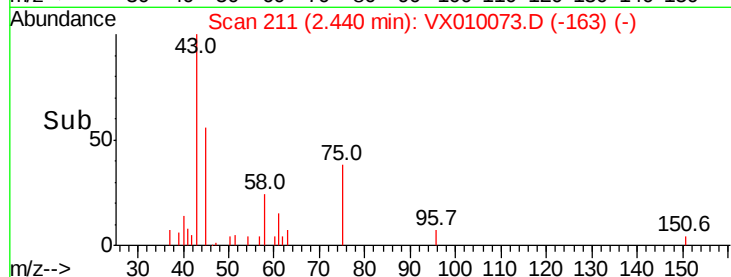
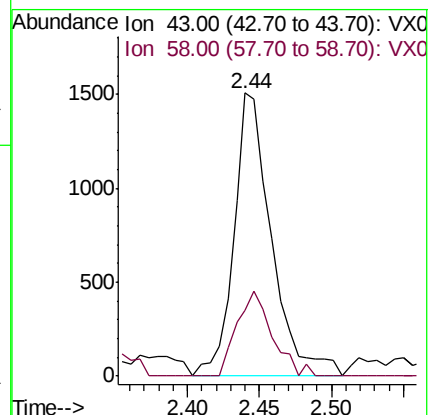
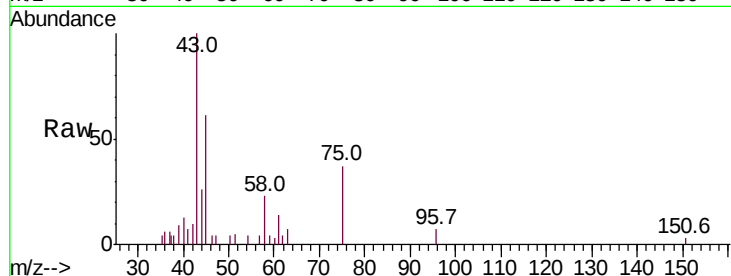
BP-TT-MW201D-20190603

Tot Ion: 43 Resp: 2744

Ion Ratio Lower Upper

43 100

58 23.3 23.2 34.8



#24

1,1-Dichloroethane

Concen: 3.464 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX010073.D

Acq: 05 Jun 2019 13:44

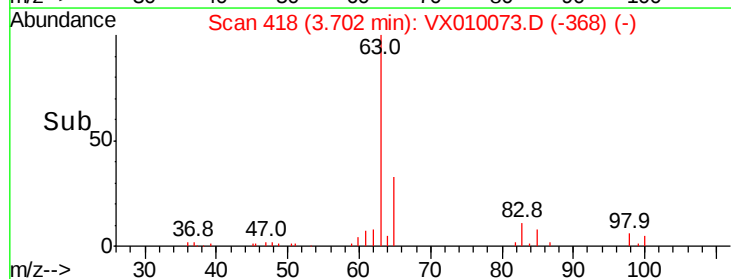
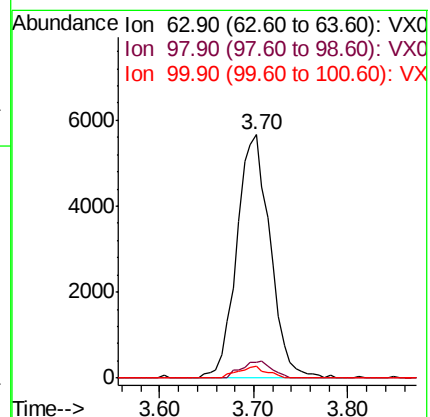
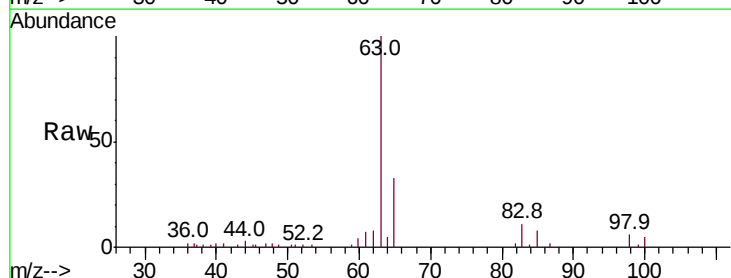
Tgt Ion: 63 Resp: 13969

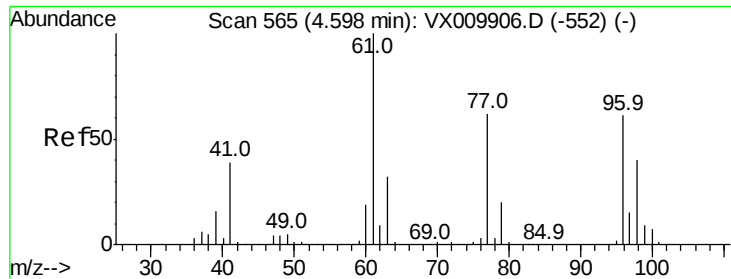
Ion Ratio Lower Upper

63 100

98 6.5 2.9 8.8

100 5.0 1.8 5.4



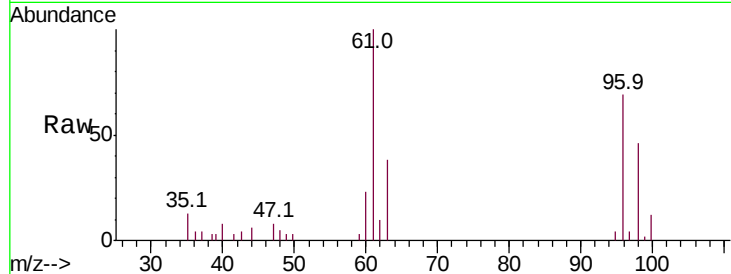


#27

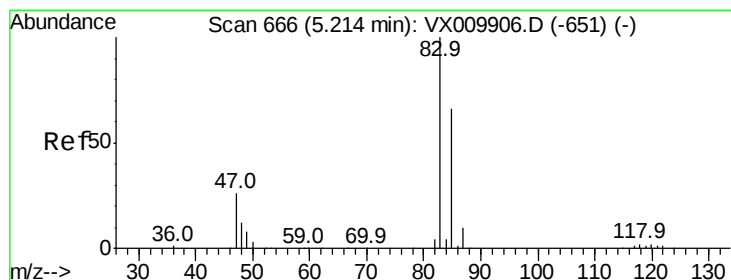
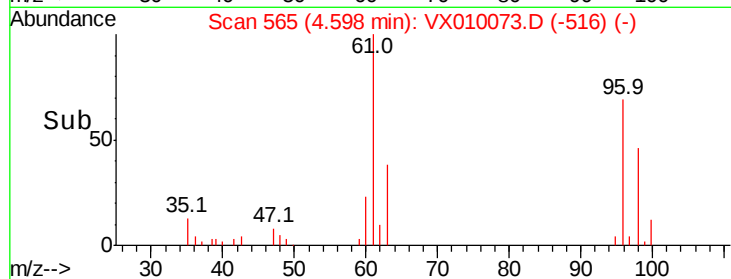
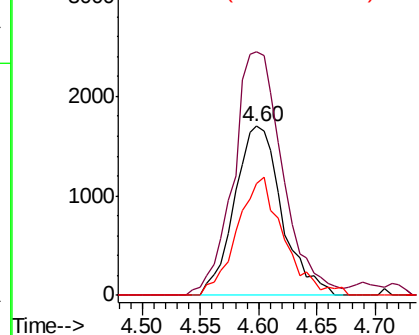
cis-1,2-Dichloroethene
Concen: 2.083 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX010073.D
Acq: 05 Jun 2019 13:44

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW201D-20190603

Tot Ion: 96 Resp: 4814
Ion Ratio Lower Upper
96 100
61 150.0 0.0 334.0
98 68.9 0.0 131.6



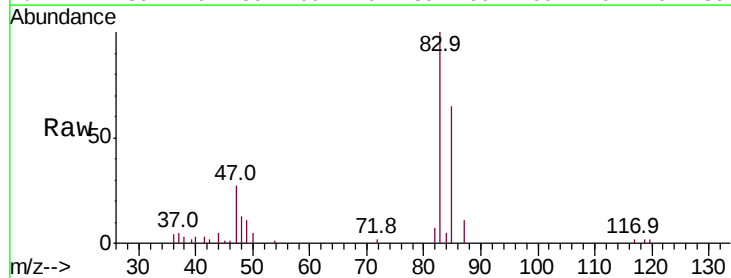
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



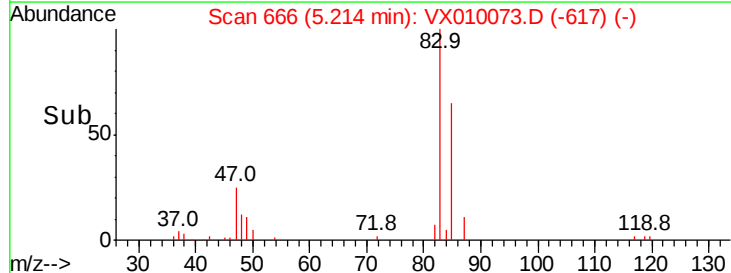
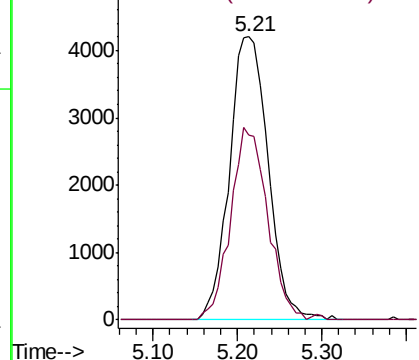
#30

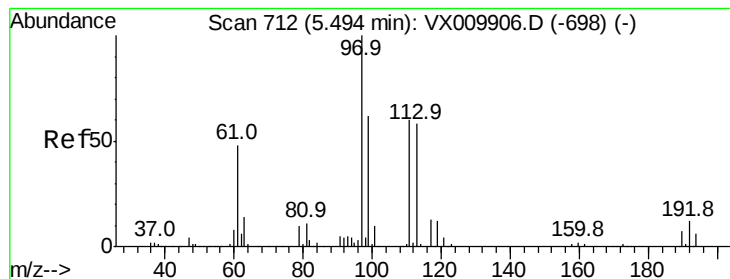
Chloroform
Concen: 3.608 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX010073.D
Acq: 05 Jun 2019 13:44

Tgt Ion: 83 Resp: 13124
Ion Ratio Lower Upper
83 100
85 65.1 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0





#32

1,1,1-Trichloroethane

Concen: 7.470 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX010073.D

Acq: 05 Jun 2019 13:44

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-MW201D-20190603

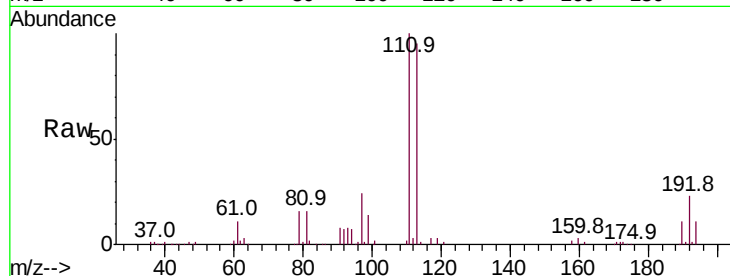
Tot Ion: 97 Resp: 22127

Ion Ratio Lower Upper

97 100

99 63.8 51.0 76.4

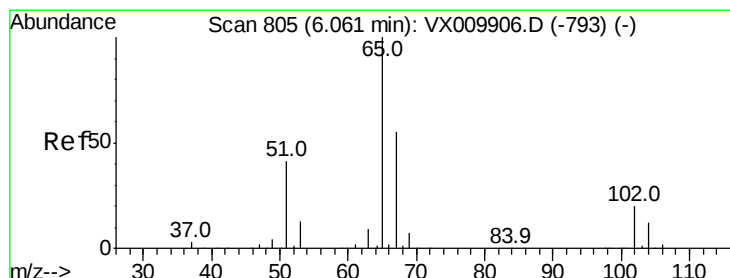
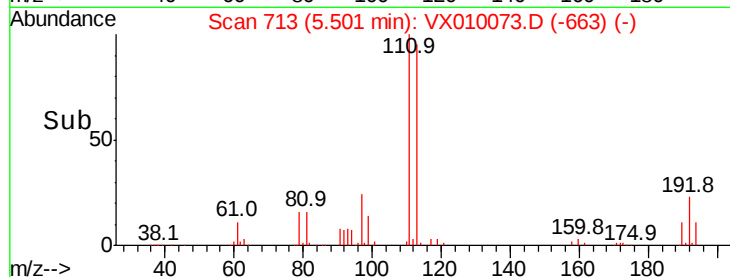
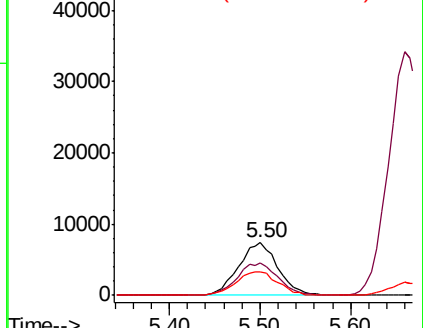
61 48.4 38.7 58.1



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: 47.078 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010073.D

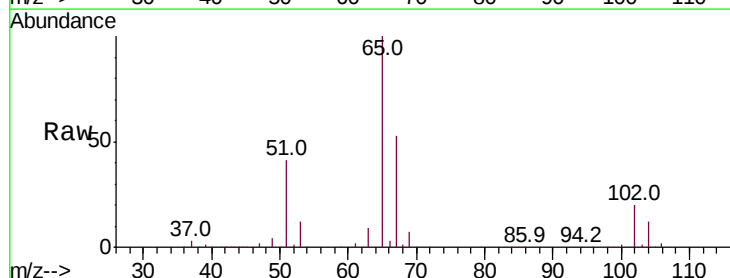
Acq: 05 Jun 2019 13:44

Tgt Ion: 65 Resp: 118168

Ion Ratio Lower Upper

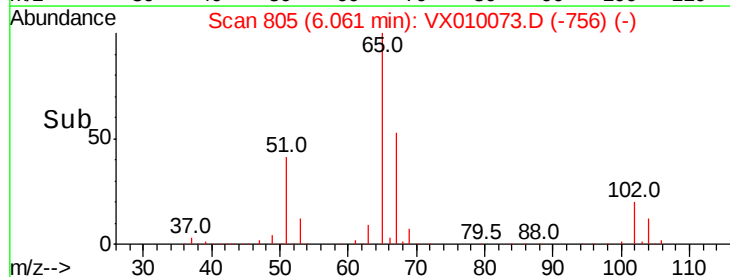
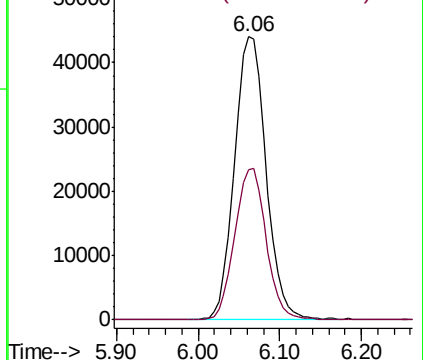
65 100

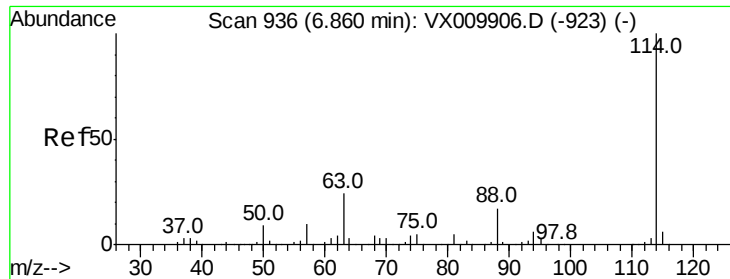
67 53.1 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

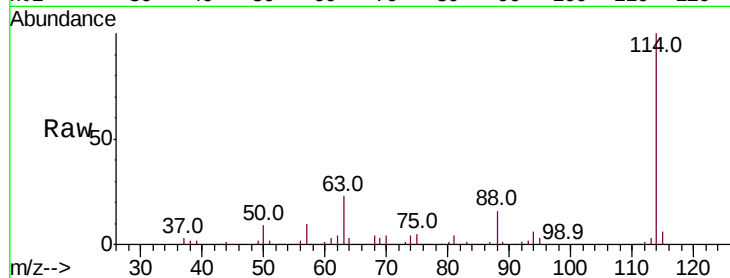




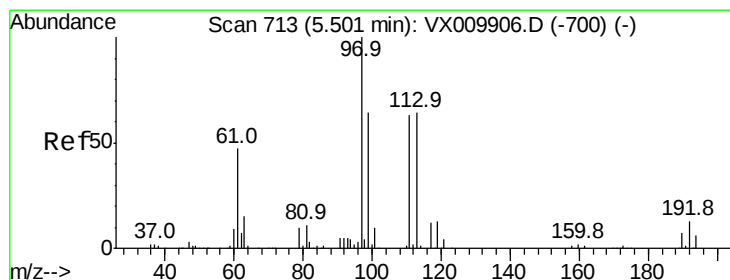
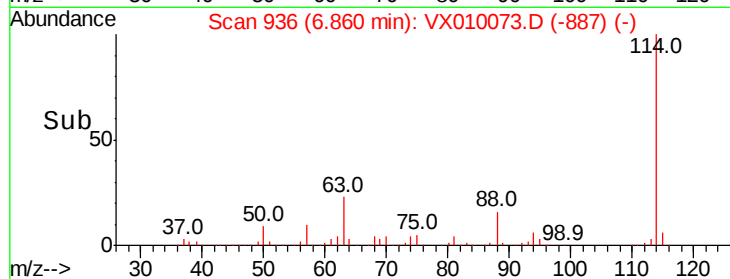
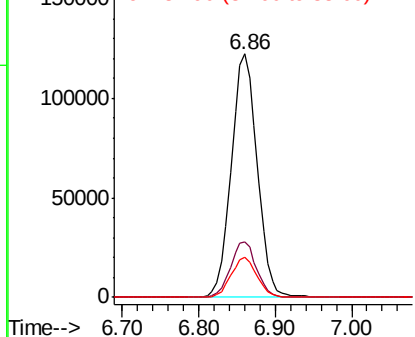
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010073.D
 Acq: 05 Jun 2019 13:44

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-MW201D-20190603

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	47.4
88	16.3	0.0	33.0

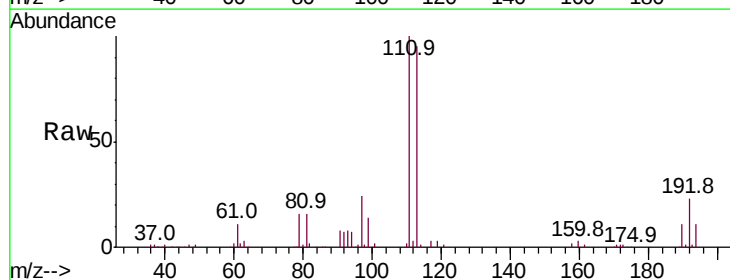


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

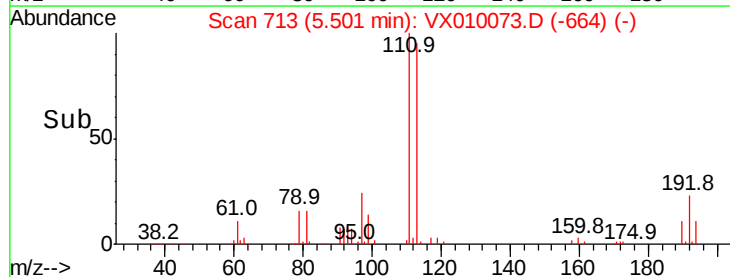
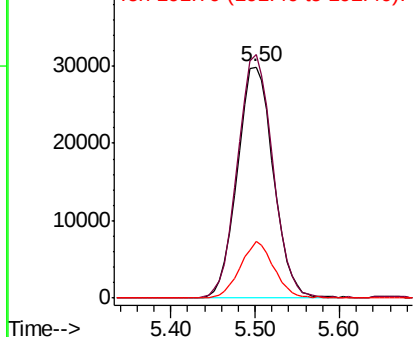


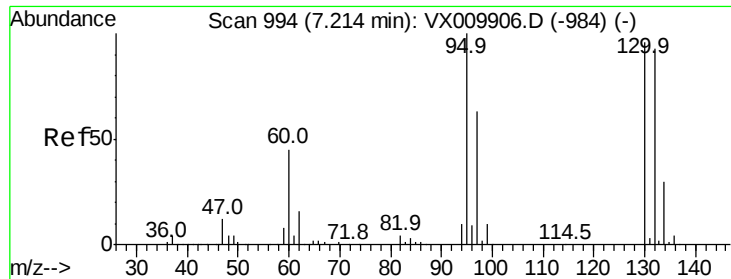
#35
 Dibromofluoromethane
 Concen: 47.974 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010073.D
 Acq: 05 Jun 2019 13:44

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.2	123.2
192	22.8	17.1	25.7



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





#44

Trichloroethene

Concen: 70.533 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX010073.D

Acq: 05 Jun 2019 13:44

Instrument :

MSVOA_X

ClientSampleId :

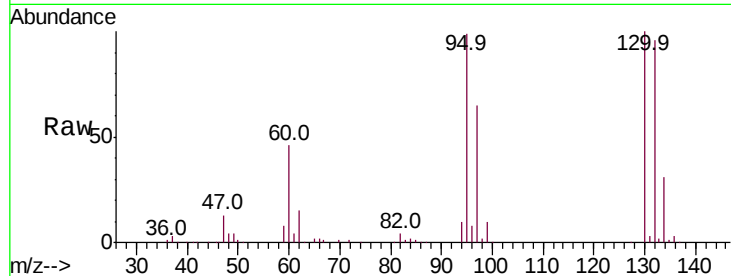
BP-TT-MW201D-20190603

Tot Ion:130 Resp: 148003

Ion Ratio Lower Upper

130 100

95 98.9 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

80000

60000

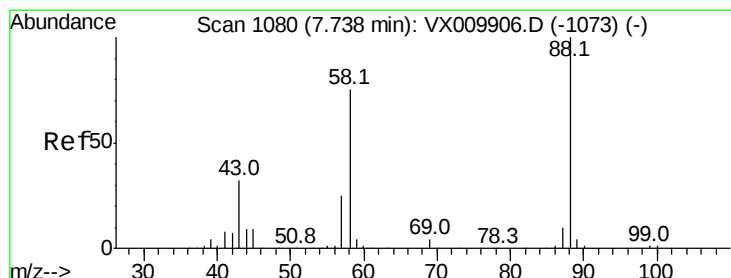
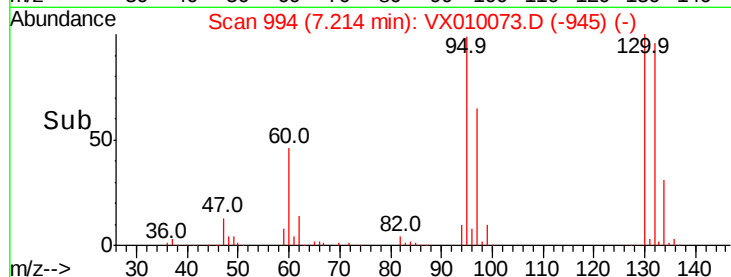
40000

20000

0

Time-->

7.10 7.20 7.30 7.40



#49

1,4-Dioxane

Concen: 25.976 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX010073.D

Acq: 05 Jun 2019 13:44

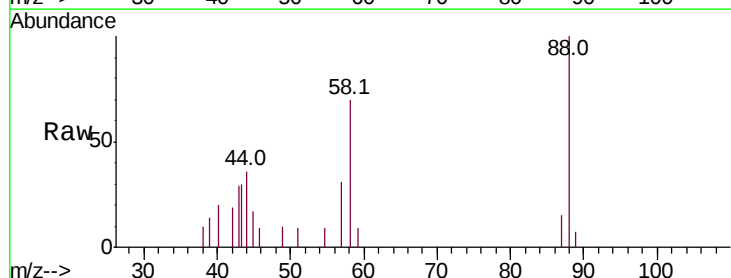
Tgt Ion: 88 Resp: 1566

Ion Ratio Lower Upper

88 100

43 42.5 30.2 45.4

58 71.5 64.0 96.0



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

800

600

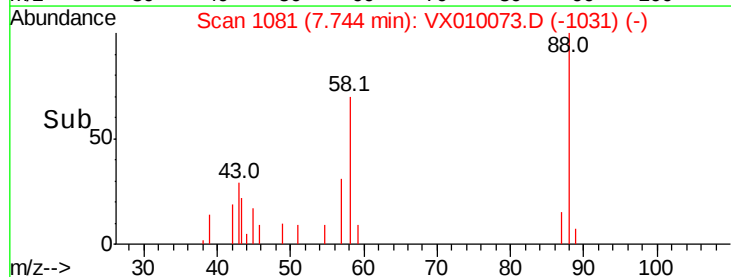
400

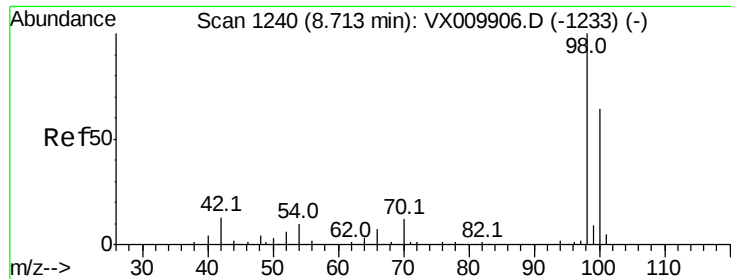
200

0

Time-->

7.65 7.70 7.75 7.80 7.85

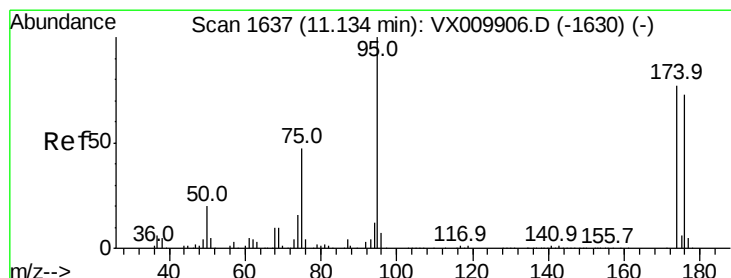
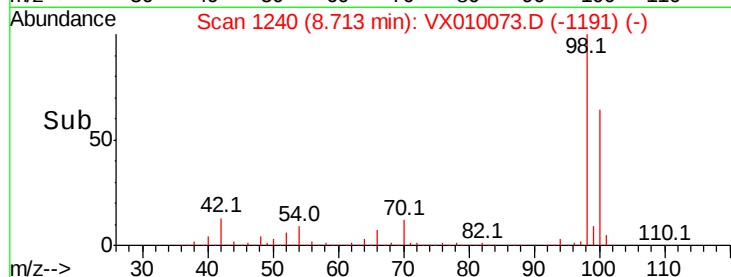
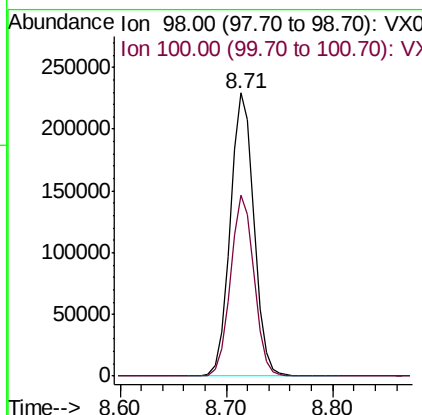
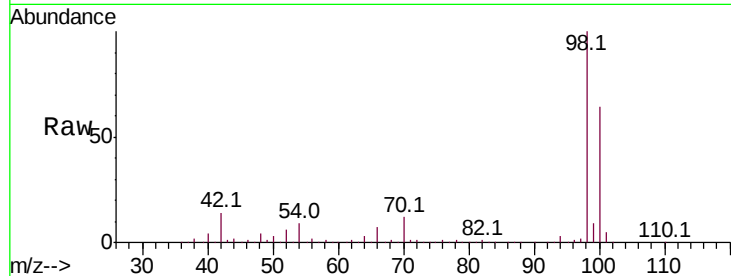




#50
Toluene-d8
Concen: 48.813 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010073.D
Acq: 05 Jun 2019 13:44

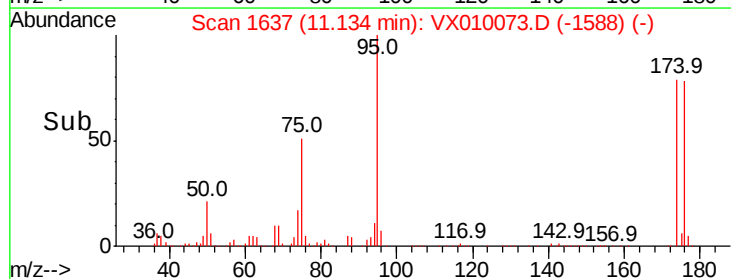
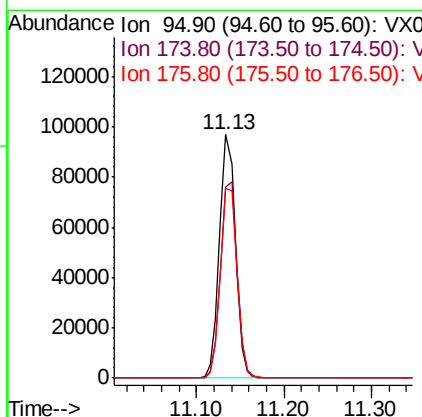
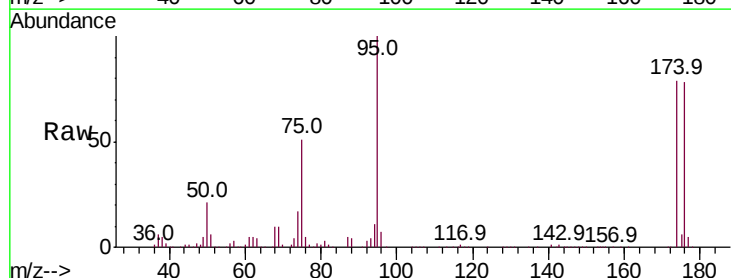
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW201D-20190603

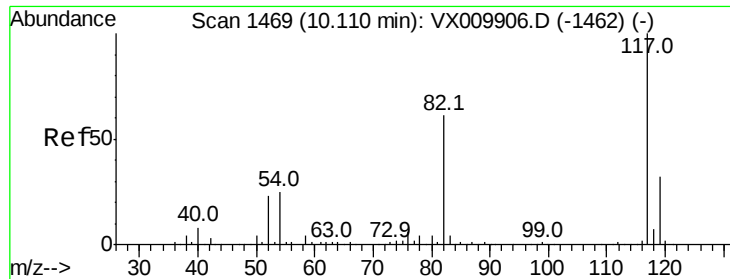
Tot Ion: 98 Resp: 357677
Ion Ratio Lower Upper
98 100
100 63.6 51.5 77.3



#62
4-Bromofluorobenzene
Concen: 46.391 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010073.D
Acq: 05 Jun 2019 13:44

Tgt Ion: 95 Resp: 122099
Ion Ratio Lower Upper
95 100
174 83.0 0.0 160.4
176 80.9 0.0 154.6

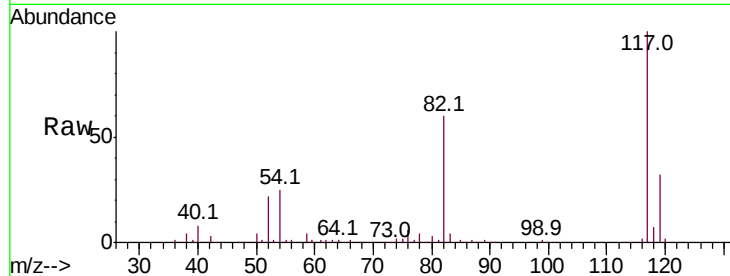




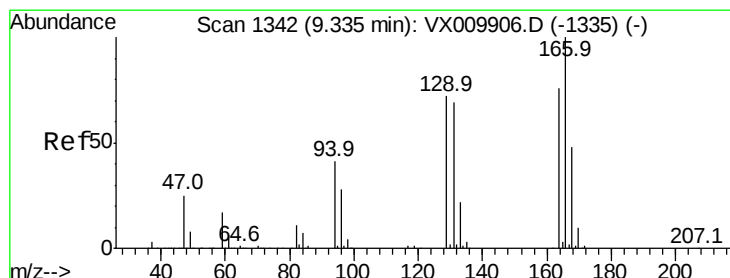
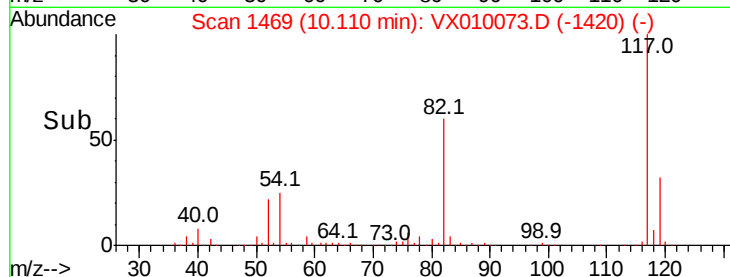
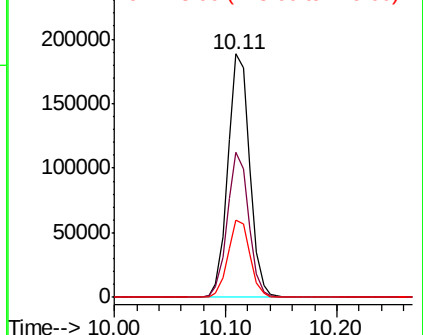
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010073.D
Acq: 05 Jun 2019 13:44

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW201D-20190603

Tot Ion:117 Resp: 255565
Ion Ratio Lower Upper
117 100
82 59.7 49.2 73.8
119 32.0 25.2 37.8



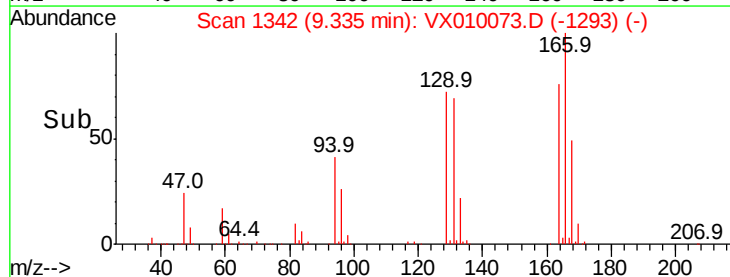
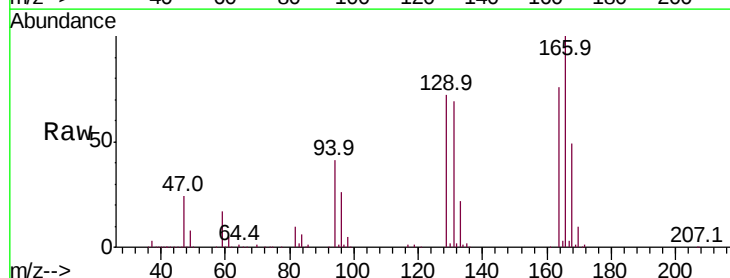
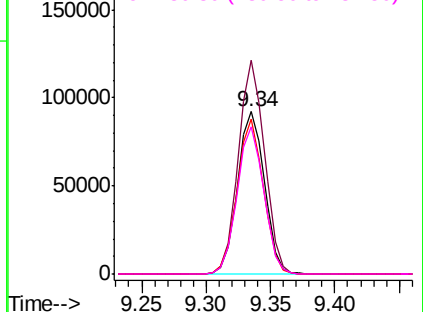
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

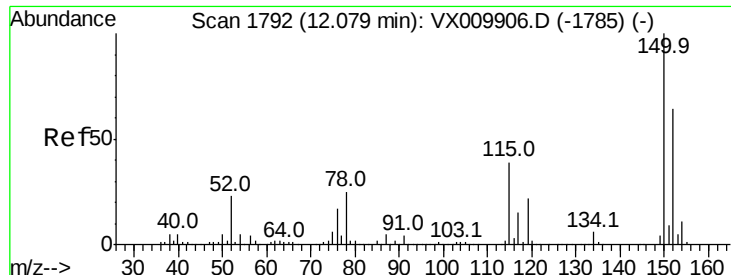


#64
Tetrachloroethene
Concen: 74.863 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010073.D
Acq: 05 Jun 2019 13:44

Tgt Ion:164 Resp: 133639
Ion Ratio Lower Upper
164 100
166 131.7 105.0 157.4
129 95.3 75.1 112.7
131 90.5 72.2 108.4

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

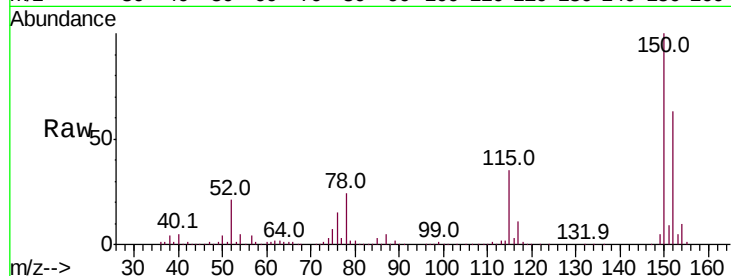




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX010073.D
 Acq: 05 Jun 2019 13:44

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-MW201D-20190603

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.8	41.4	124.2
150	157.0	0.0	345.2



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

