

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051019\
 Data File : VX009502.D
 Acq On : 10 May 2019 23:33
 Operator : JC/SP
 Sample : K2811-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-MW201D-GW-20190509

Quant Time: May 11 03:33:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	184443	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	291908	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	260742	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	115574	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	119744	47.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.12%	
35) Dibromofluoromethane	5.50	113	89510	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
50) Toluene-d8	8.71	98	368958	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
62) 4-Bromofluorobenzene	11.13	95	124987	46.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.86%	

Target Compounds

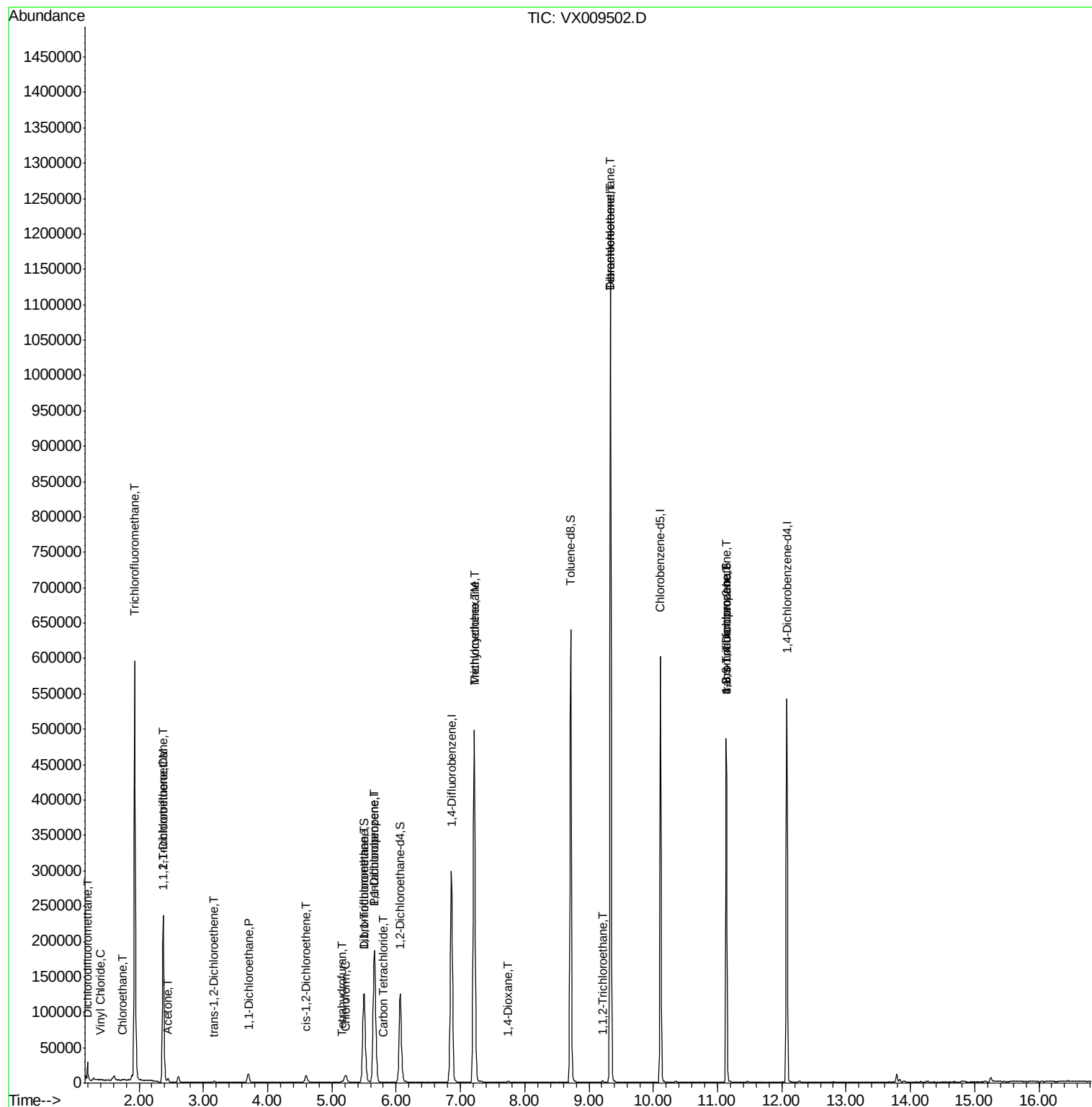
						Qvalue
2) Dichlorodifluoromethane	1.20	85	15361	9.038	ug/l	99
4) Vinyl Chloride	1.41	62	571	0.252	ug/l #	40
6) Chloroethane	1.74	64	1274	0.877	ug/l #	66
7) Trichlorofluoromethane	1.93	101	400977	145.782	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	6230	3.607	ug/l	94
12) 1,1-Dichloroethene	2.37	96	73899	42.701	ug/l	98
16) Acetone	2.44	43	2663	1.970	ug/l	100
21) trans-1,2-Dichloroethene	3.17	96	488	0.260	ug/l	94
24) 1,1-Dichloroethane	3.70	63	12982	3.245	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	6060	2.705	ug/l	86
28) Bromochloromethane	4.84	49	80	Below Cal	#	20
29) Tetrahydrofuran	5.15	42	1456	1.077	ug/l #	84
30) Chloroform	5.21	83	11740	3.244	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	19933	6.617	ug/l	98
36) 1,1-Dichloropropene	5.67	75	14109	5.201	ug/l #	50
38) Carbon Tetrachloride	5.81	117	513	0.208	ug/l #	53
39) Methylcyclohexane	7.21	83	2501	0.751	ug/l #	1
44) Trichloroethene	7.21	130	193673	95.423	ug/l	96
49) 1,4-Dioxane	7.74	88	1219	20.040	ug/l #	83
55) 1,1,2-Trichloroethane	9.22	97	656	0.315	ug/l #	76
60) Dibromochloromethane	9.34	129	224882	110.589	ug/l #	11
64) Tetrachloroethene	9.34	164	245758	137.404	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	62772	23.415	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	62772	59.909	ug/l #	10

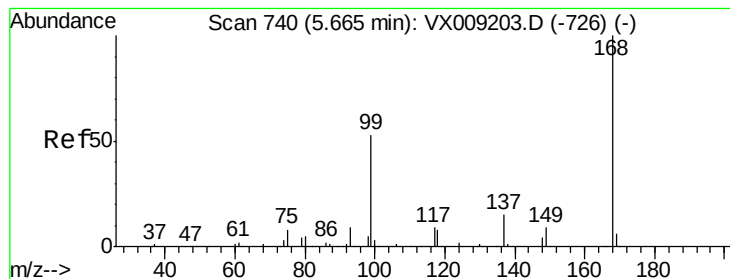
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX051019\
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Quant Time: May 11 03:33:33 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009502.D

Acq: 10 May 2019 23:33

Instrument :

MSVOA_X

ClientSampleId :

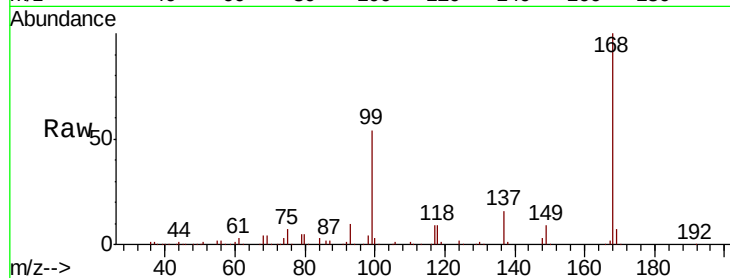
BP-TT-MW201D-GW-20190509

Tot Ion:168 Resp: 184443

Ion Ratio Lower Upper

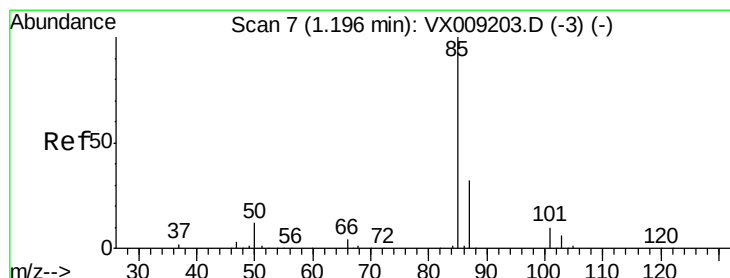
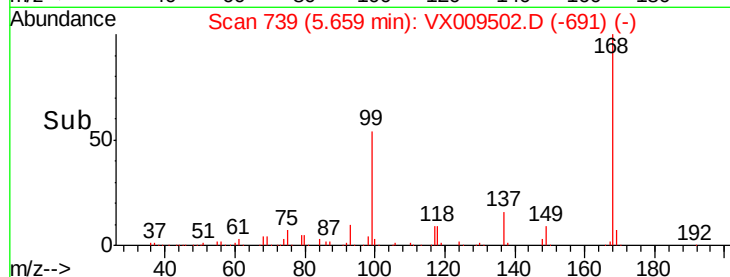
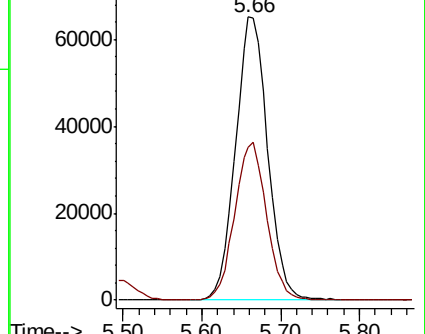
168 100

99 53.9 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 9.038 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009502.D

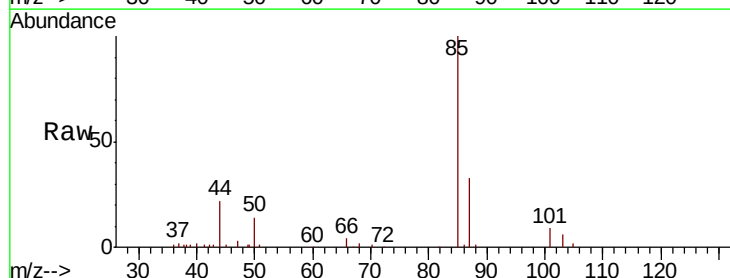
Acq: 10 May 2019 23:33

Tgt Ion: 85 Resp: 15361

Ion Ratio Lower Upper

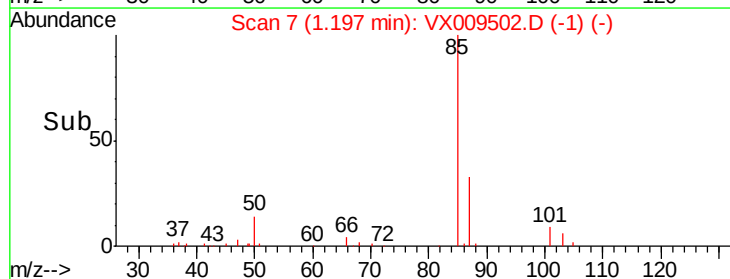
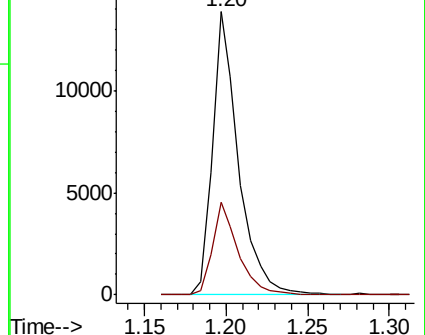
85 100

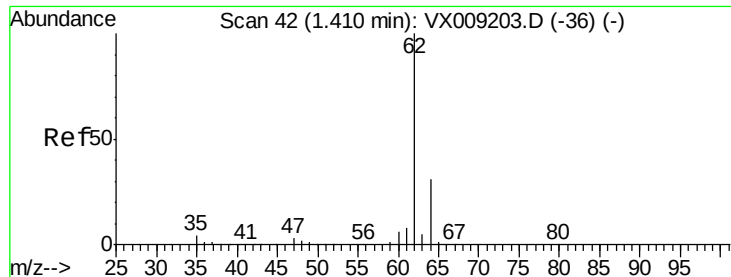
87 32.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#4

Vinyl Chloride

Concen: 0.252 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009502.D

Acq: 10 May 2019 23:33

Instrument :

MSVOA_X

ClientSampleId :

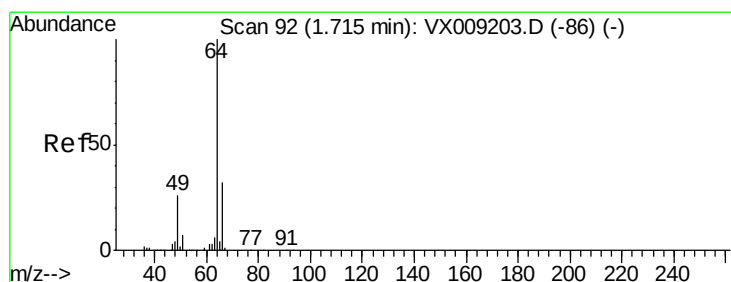
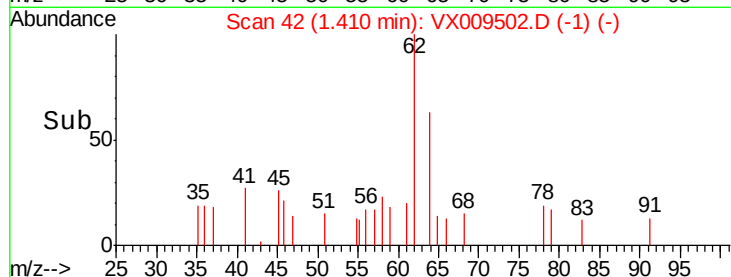
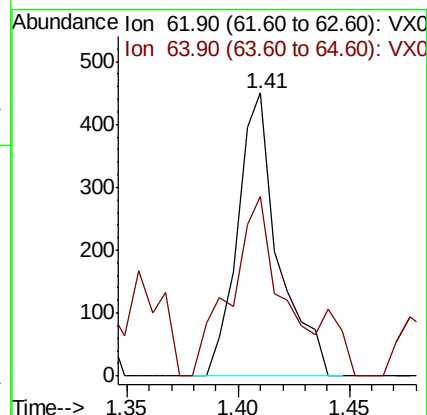
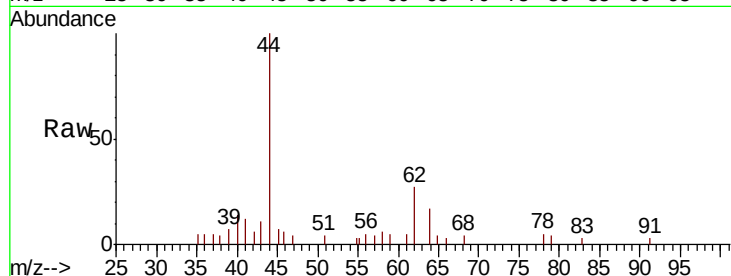
BP-TT-MW201D-GW-20190509

Tot Ion: 62 Resp: 571

Ion Ratio Lower Upper

62 100

64 63.3 24.6 36.8#



#6

Chloroethane

Concen: 0.877 ug/l

RT: 1.74 min Scan# 96

Delta R.T. 0.02 min

Lab File: VX009502.D

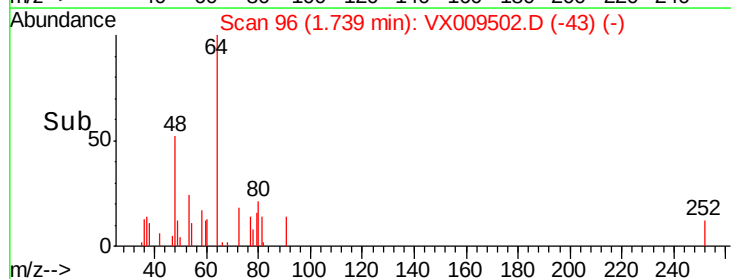
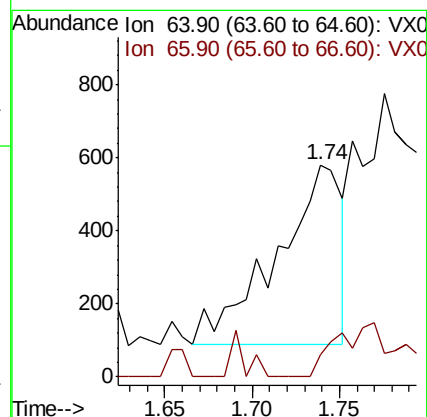
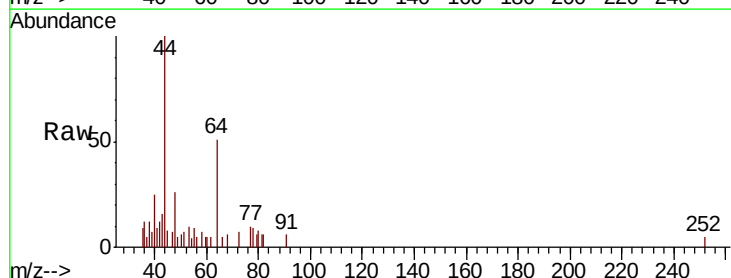
Acq: 10 May 2019 23:33

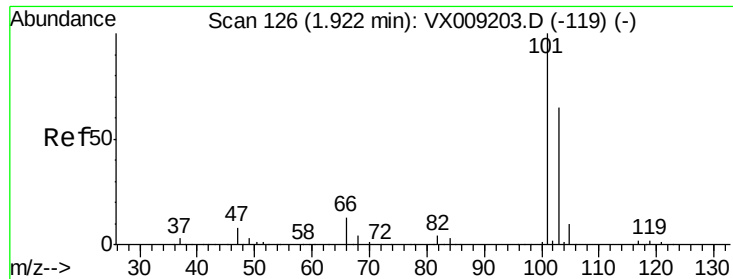
Tgt Ion: 64 Resp: 1274

Ion Ratio Lower Upper

64 100

66 12.6 25.3 37.9#



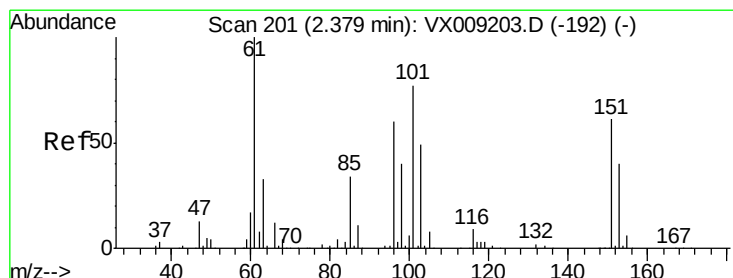
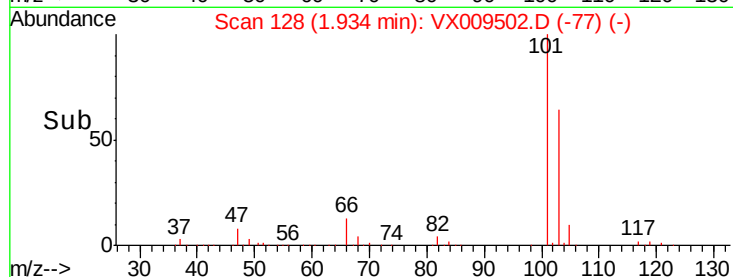
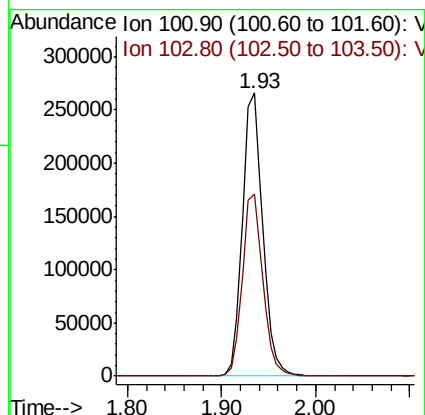
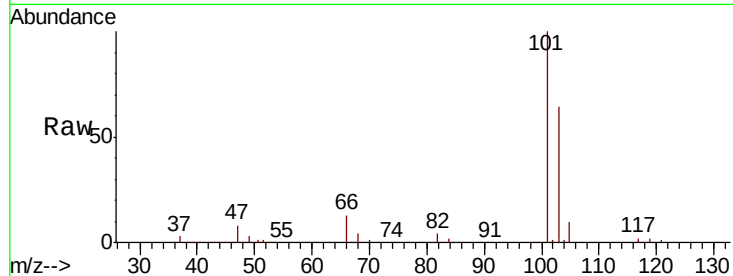


#7

Trichlorofluoromethane
 Concen: 145.782 ug/l
 RT: 1.93 min Scan# 128
 Delta R.T. 0.01 min
 Lab File: VX009502.D
 Acq: 10 May 2019 23:33

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-MW201D-GW-20190509

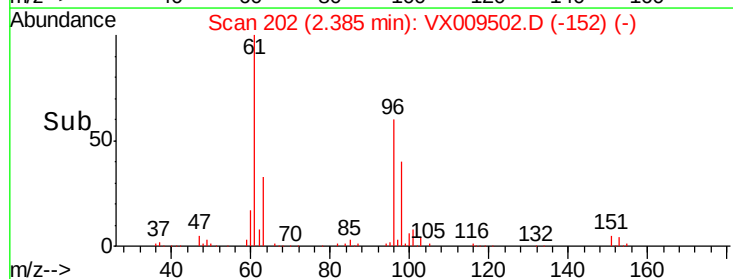
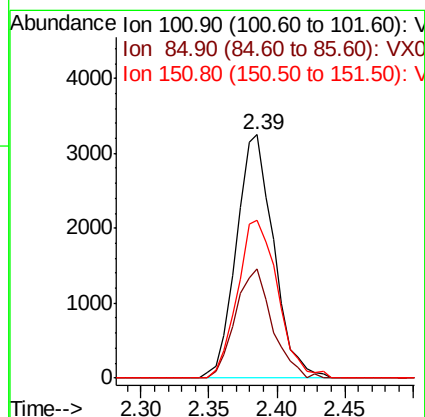
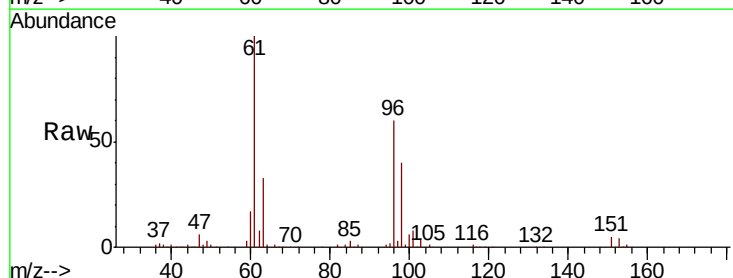
Tot Ion:101 Resp: 400977
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.4 78.6

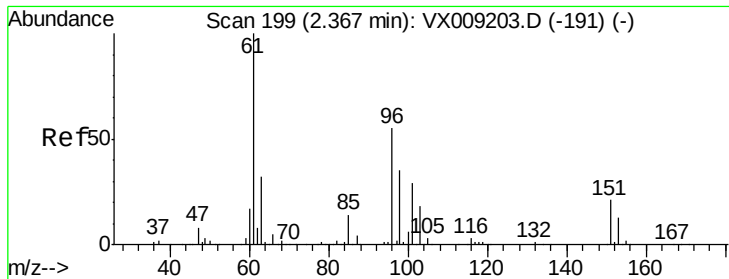


#9

1,1,2-Trichlorotrifluoroethane
 Concen: 3.607 ug/l
 RT: 2.39 min Scan# 202
 Delta R.T. 0.01 min
 Lab File: VX009502.D
 Acq: 10 May 2019 23:33

Tgt Ion:101 Resp: 6230
 Ion Ratio Lower Upper
 101 100
 85 44.1 35.7 53.5
 151 70.2 62.2 93.2

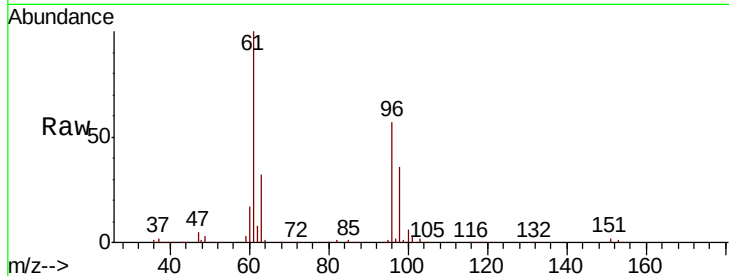




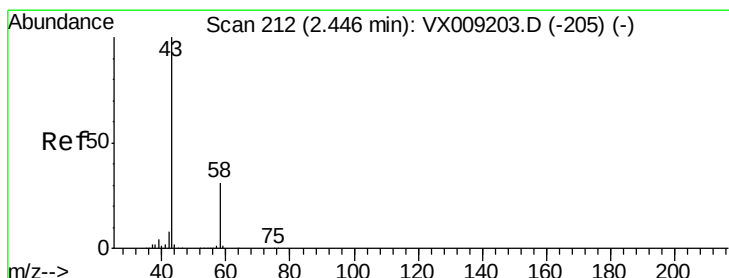
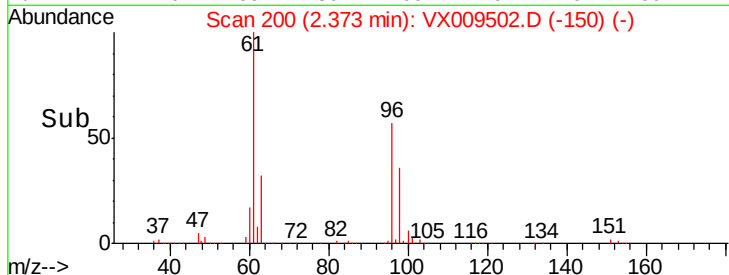
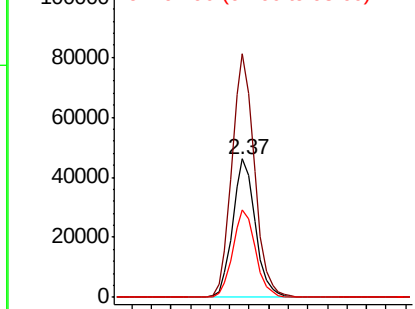
#12
 1,1-Dichloroethene
 Concen: 42.701 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.01 min
 Lab File: VX009502.D
 Acq: 10 May 2019 23:33

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-MW201D-GW-20190509

Tot Ion: 96 Resp: 73899
 Ion Ratio Lower Upper
 96 100
 61 176.1 144.3 216.5
 98 63.5 50.3 75.5

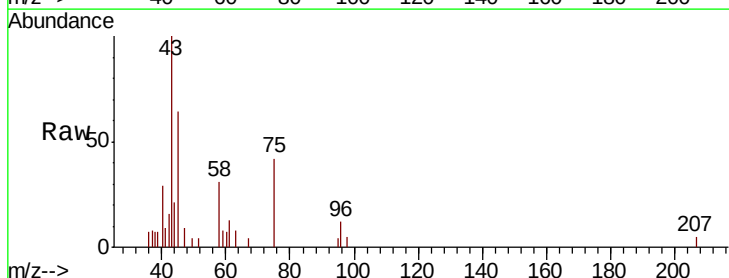


Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0

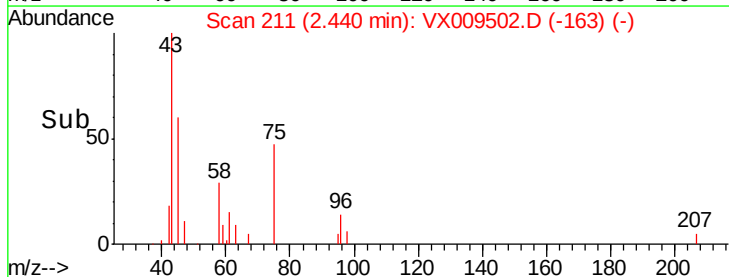
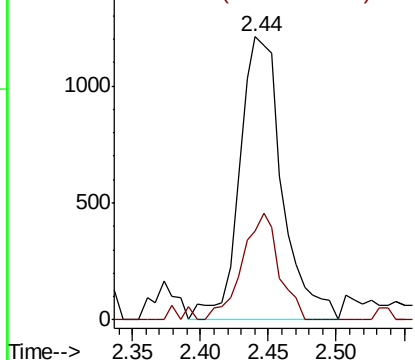


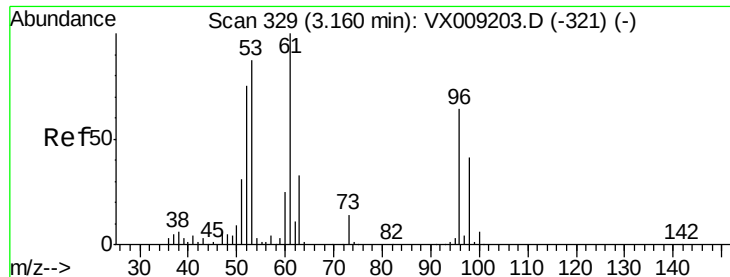
#16
 Acetone
 Concen: 1.970 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX009502.D
 Acq: 10 May 2019 23:33

Tgt Ion: 43 Resp: 2663
 Ion Ratio Lower Upper
 43 100
 58 31.2 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0





#21

trans-1,2-Dichloroethene

Concen: 0.260 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.01 min

Lab File: VX009502.D

Acq: 10 May 2019 23:33

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-MW201D-GW-20190509

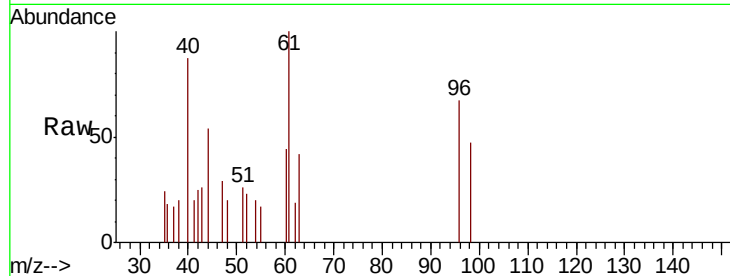
Tot Ion: 96 Resp: 488

Ion Ratio Lower Upper

96 100

61 149.5 124.5 186.7

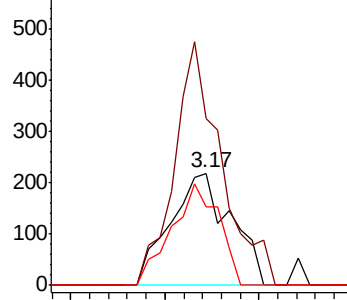
98 70.6 50.4 75.6



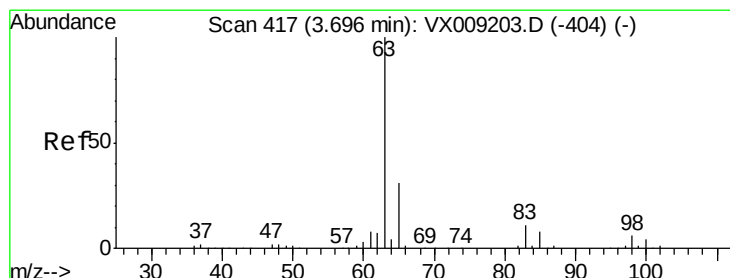
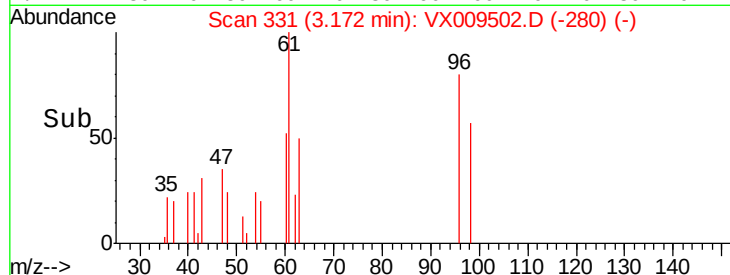
Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 3.245 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX009502.D

Acq: 10 May 2019 23:33

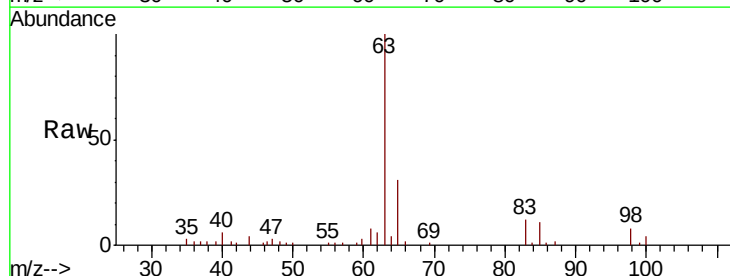
Tgt Ion: 63 Resp: 12982

Ion Ratio Lower Upper

63 100

98 8.0 3.0 9.2

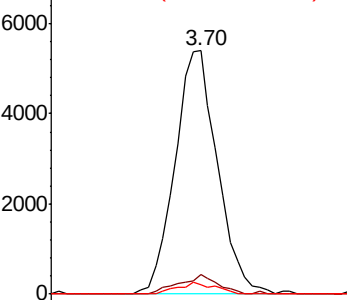
100 3.8 2.0 6.0



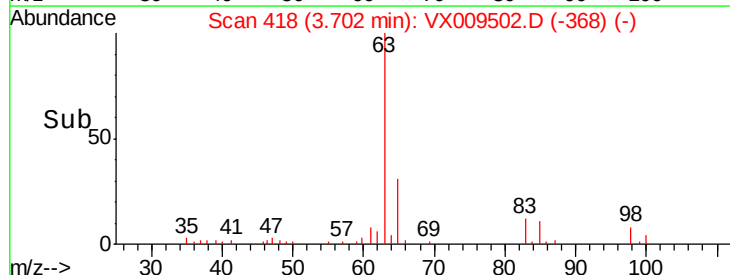
Abundance Ion 62.90 (62.60 to 63.60): VX0

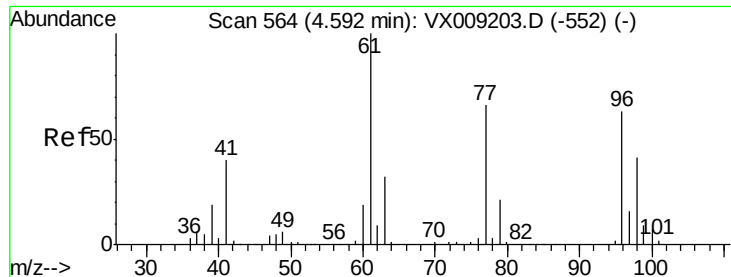
Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->



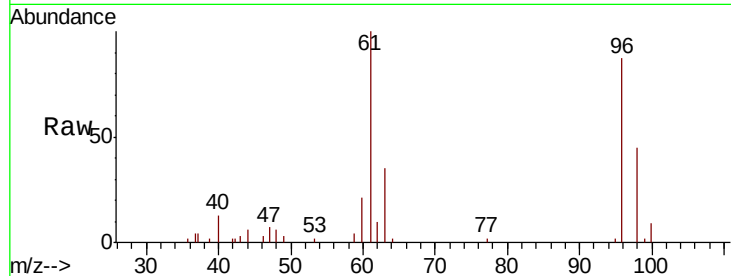


#27

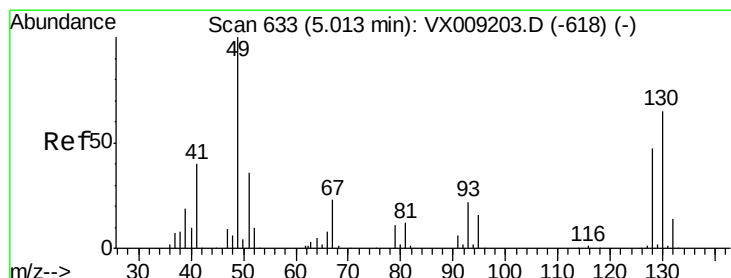
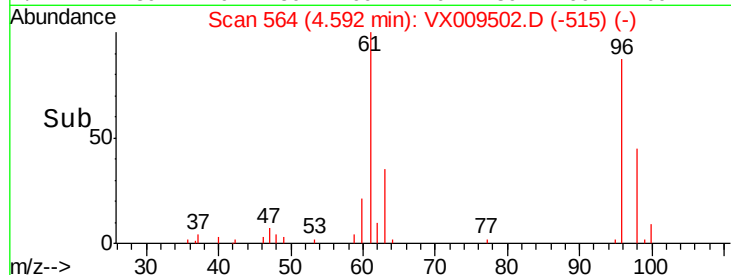
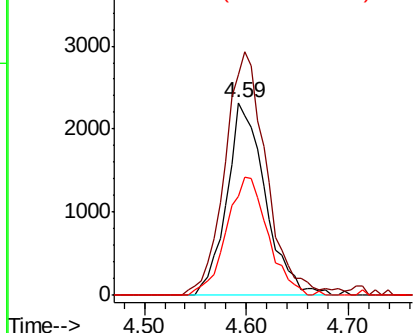
cis-1,2-Dichloroethene
Concen: 2.705 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX009502.D
Acq: 10 May 2019 23:33

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW201D-GW-20190509

Tot Ion: 96 Resp: 6060
Ion Ratio Lower Upper
96 100
61 135.6 0.0 324.0
98 65.9 0.0 130.4



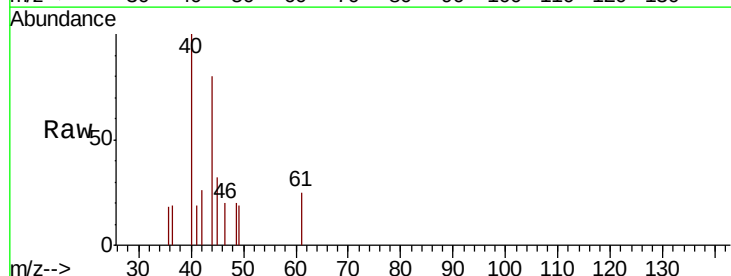
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



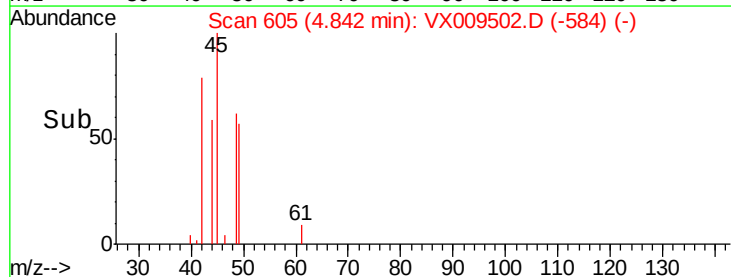
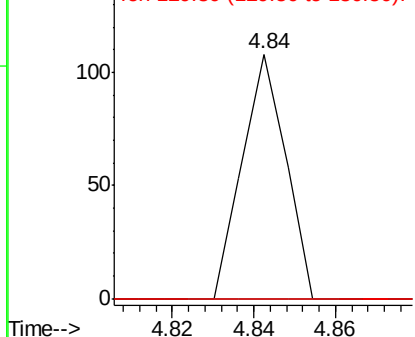
#28

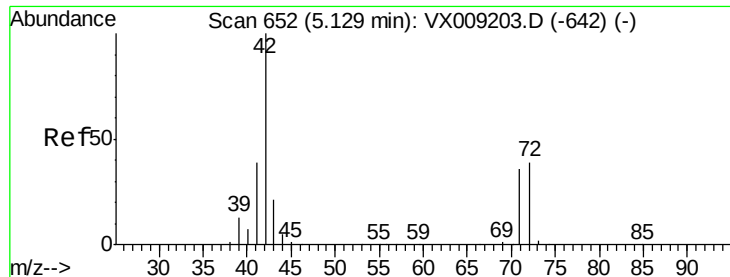
Bromochloromethane
Concen: Below Cal
RT: 4.84 min Scan# 605
Delta R.T. -0.17 min
Lab File: VX009502.D
Acq: 10 May 2019 23:33

Tgt Ion: 49 Resp: 80
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 1.077 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.02 min

Lab File: VX009502.D

Acq: 10 May 2019 23:33

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-MW201D-GW-20190509

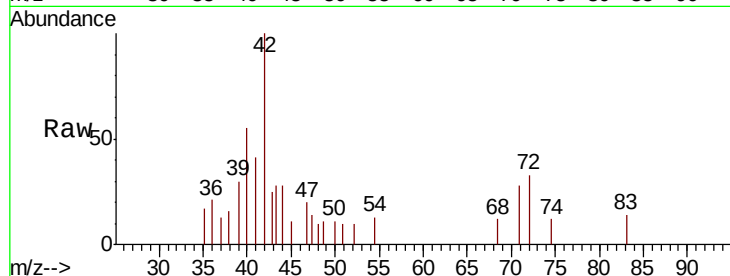
Tot Ion: 42 Resp: 1456

Ion Ratio Lower Upper

42 100

72 43.3 30.4 45.6

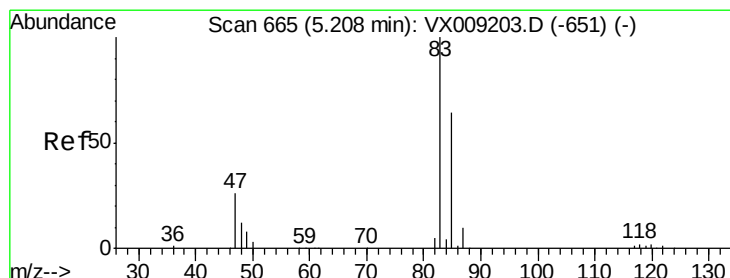
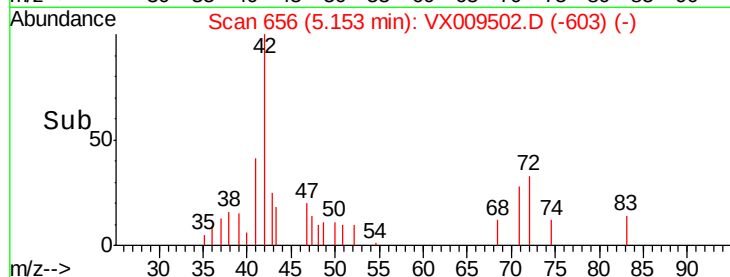
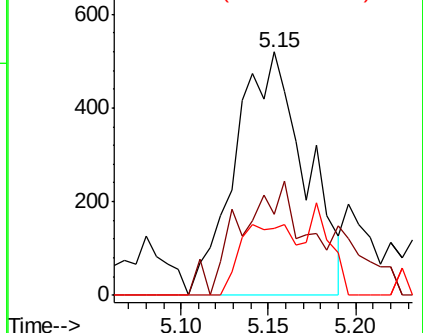
71 21.8 28.6 43.0#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 3.244 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.01 min

Lab File: VX009502.D

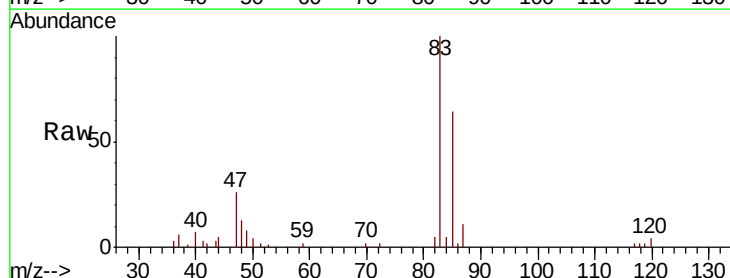
Acq: 10 May 2019 23:33

Tgt Ion: 83 Resp: 11740

Ion Ratio Lower Upper

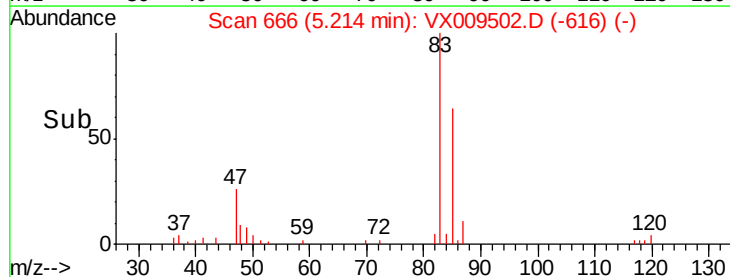
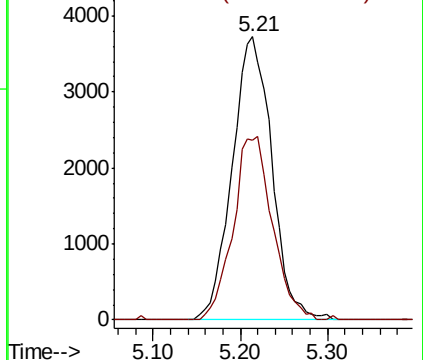
83 100

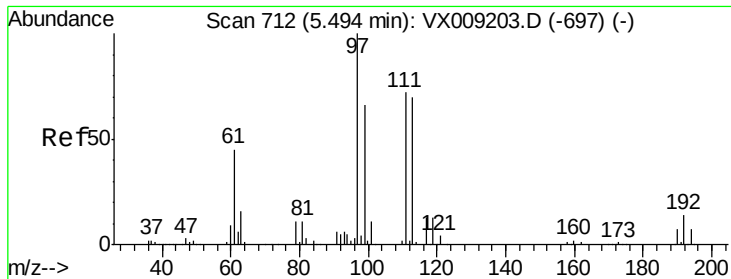
85 63.5 51.5 77.3



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: 6.617 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009502.D

Acq: 10 May 2019 23:33

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-MW201D-GW-20190509

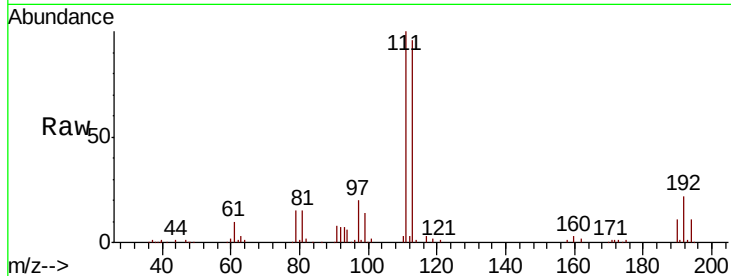
Tot Ion: 97 Resp: 19933

Ion Ratio Lower Upper

97 100

99 65.4 51.8 77.8

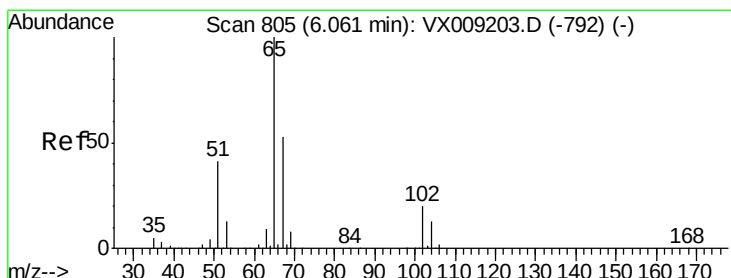
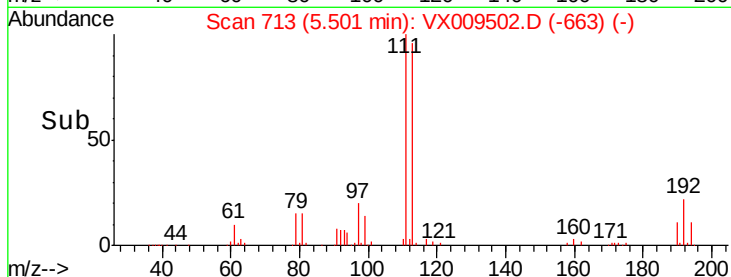
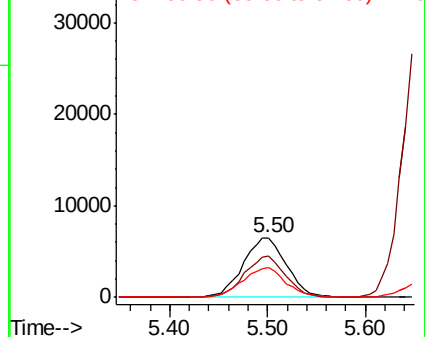
61 49.5 37.8 56.8



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: 47.558 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009502.D

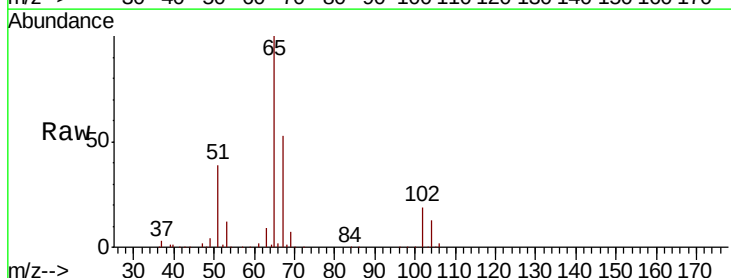
Acq: 10 May 2019 23:33

Tgt Ion: 65 Resp: 119744

Ion Ratio Lower Upper

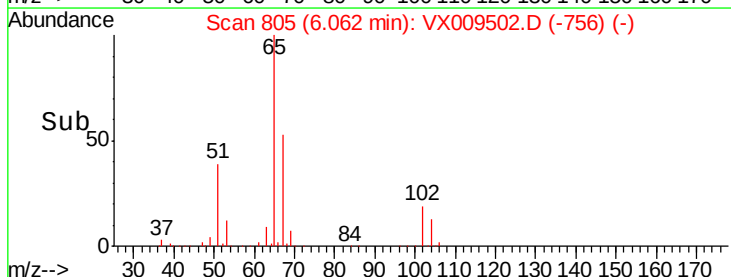
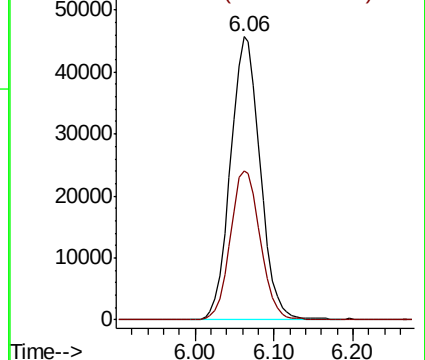
65 100

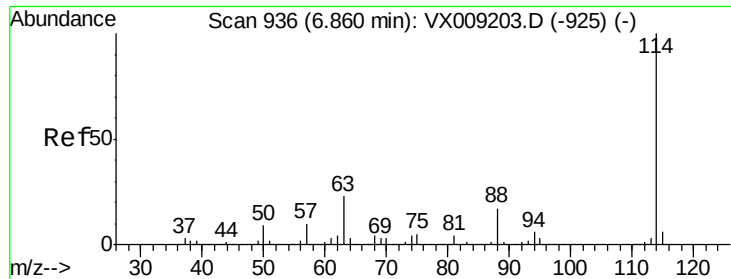
67 53.1 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

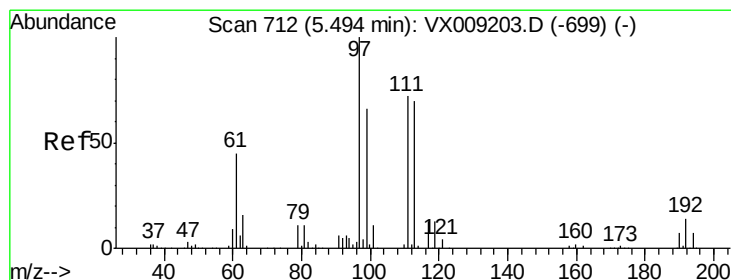
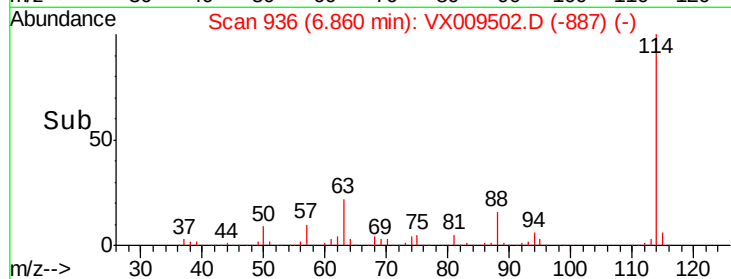
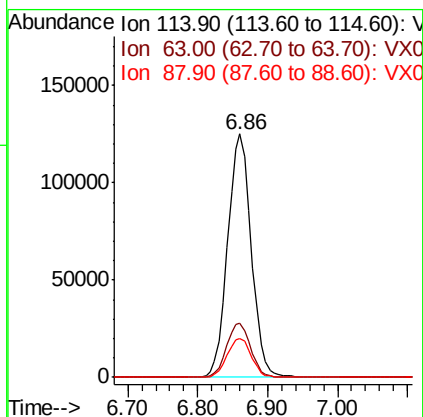
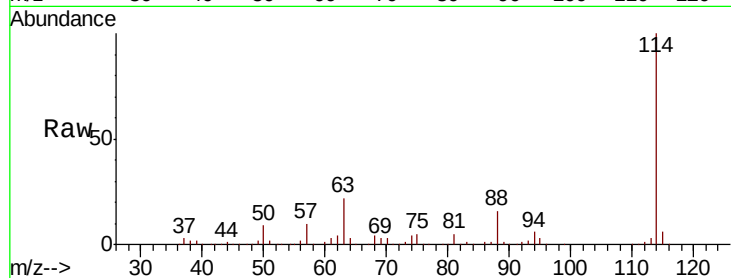




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX009502.D
Acq: 10 May 2019 23:33

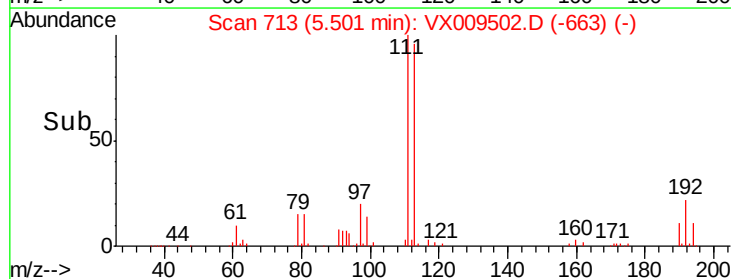
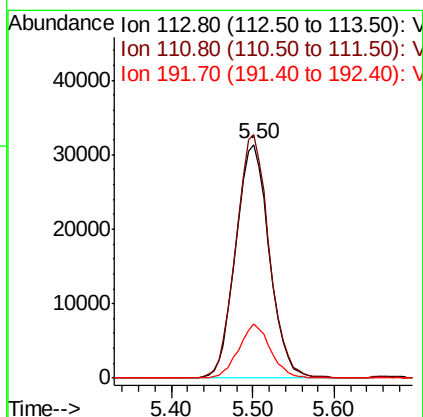
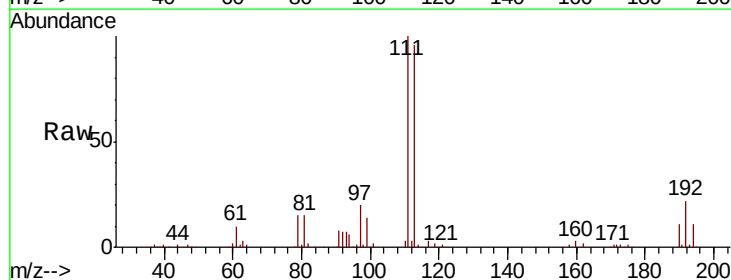
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW201D-GW-20190509

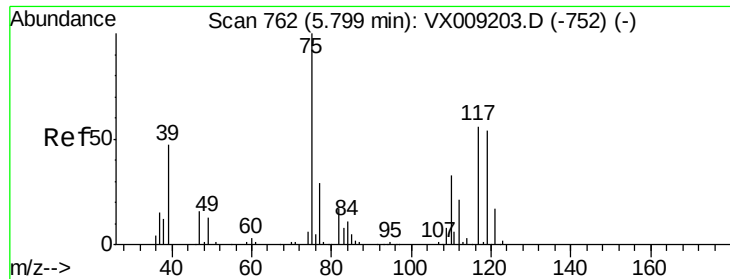
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	45.6
88	16.2	0.0	33.2



#35
Dibromofluoromethane
Concen: 48.778 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX009502.D
Acq: 10 May 2019 23:33

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.8	124.2
192	22.0	17.0	25.6

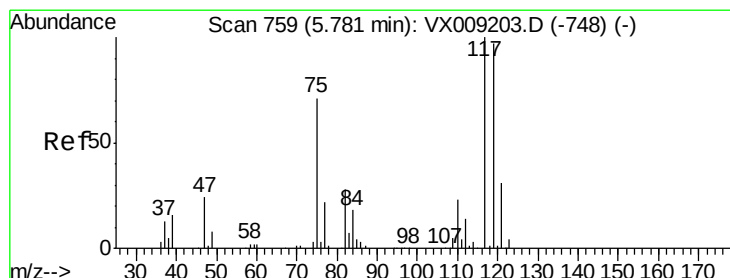
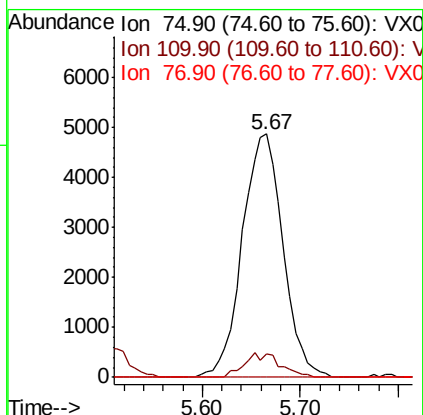
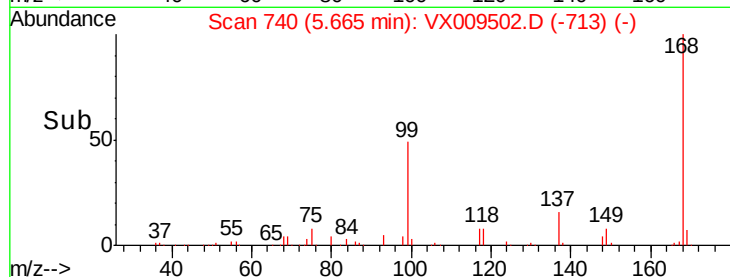
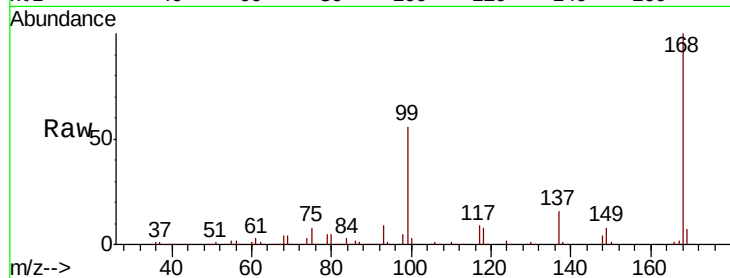




#36
 1,1-Dichloropropene
 Concen: 5.201 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009502.D
 Acq: 10 May 2019 23:33

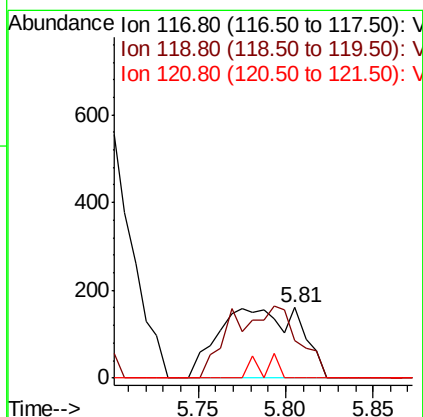
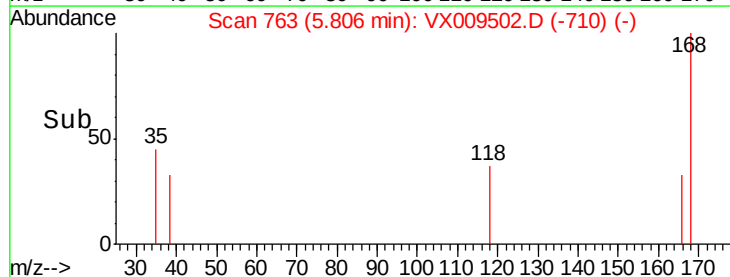
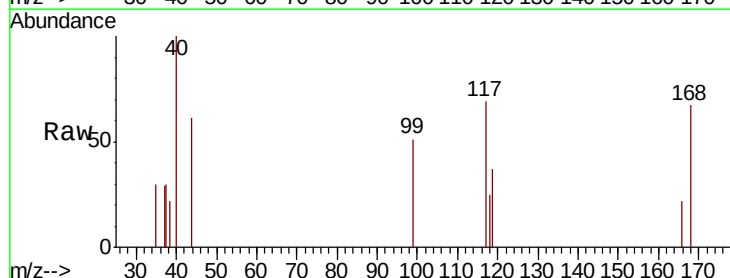
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-MW201D-GW-20190509

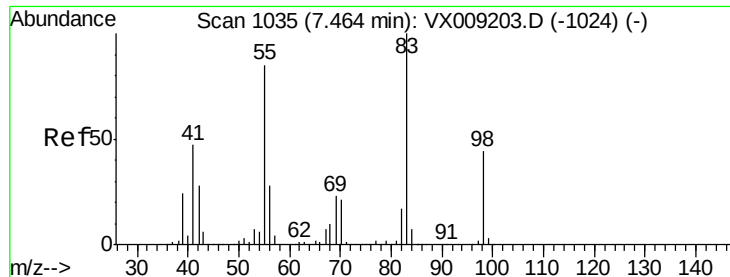
Tot Ion: 75 Resp: 14109
 Ion Ratio Lower Upper
 75 100
 110 8.8 16.9 50.6#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 0.208 ug/l
 RT: 5.81 min Scan# 763
 Delta R.T. 0.02 min
 Lab File: VX009502.D
 Acq: 10 May 2019 23:33

Tgt Ion: 117 Resp: 513
 Ion Ratio Lower Upper
 117 100
 119 53.1 77.5 116.3#
 121 0.0 24.7 37.1#

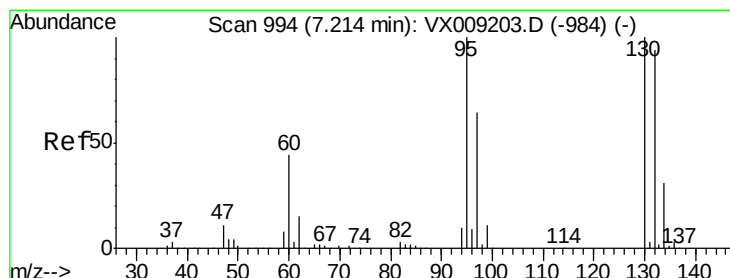
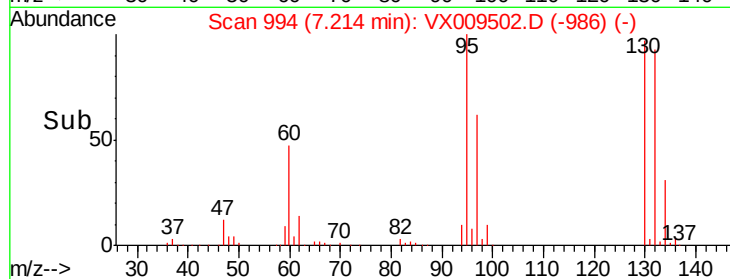
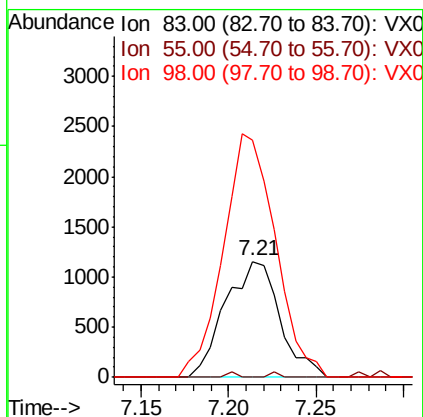
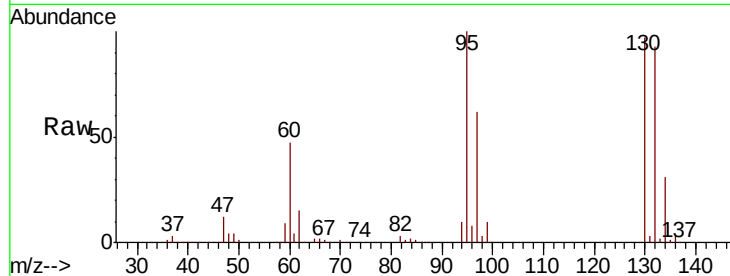




#39
Methvlcvclohexane
Concen: 0.751 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.25 min
Lab File: VX009502.D
Acq: 10 May 2019 23:33

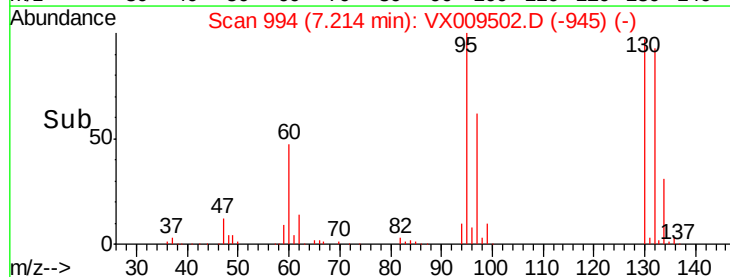
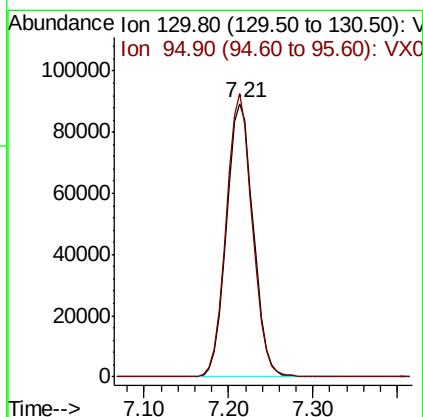
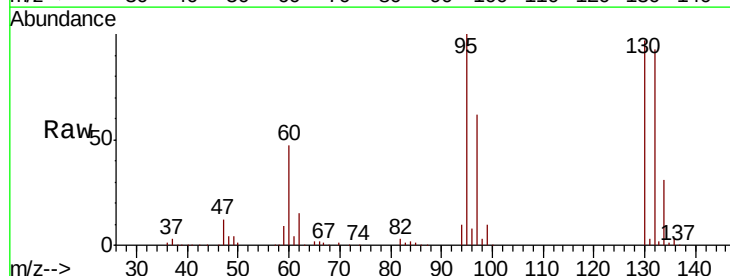
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW201D-GW-20190509

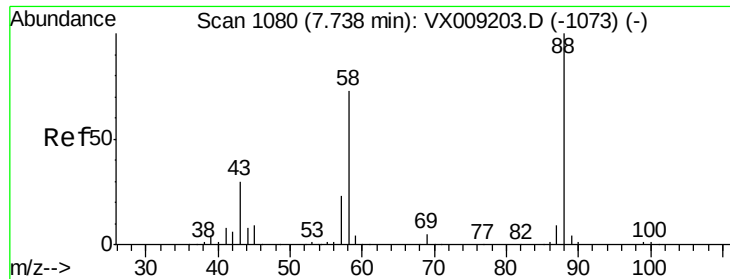
Tot Ion: 83 Resp: 2501
Ion Ratio Lower Upper
83 100
55 0.0 67.7 101.5#
98 204.2 35.5 53.3#



#44
Trichloroethene
Concen: 95.423 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX009502.D
Acq: 10 May 2019 23:33

Tgt Ion:130 Resp: 193673
Ion Ratio Lower Upper
130 100
95 103.5 0.0 199.2

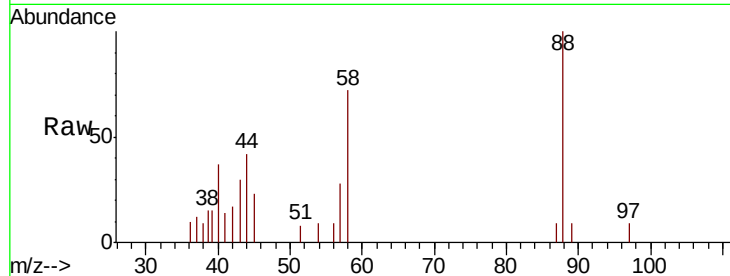




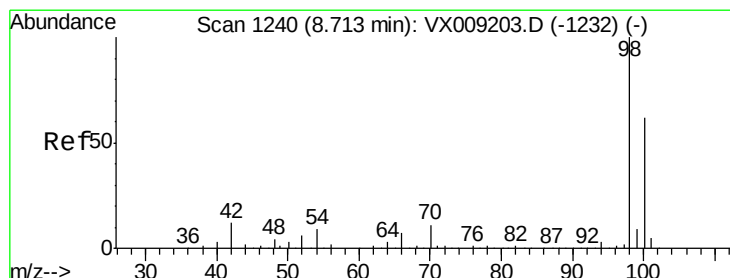
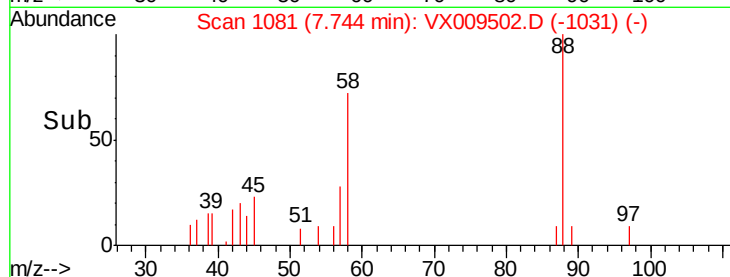
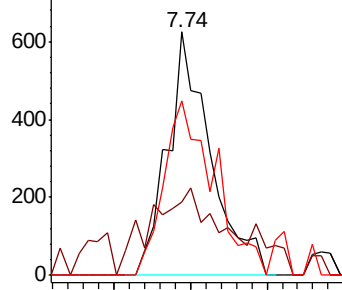
#49
1,4-Dioxane
Concen: 20.040 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX009502.D
Acq: 10 May 2019 23:33

Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW201D-GW-20190509

Tot Ion: 88 Resp: 1219
Ion Ratio Lower Upper
88 100
43 56.8 28.6 42.8#
58 84.1 61.7 92.5

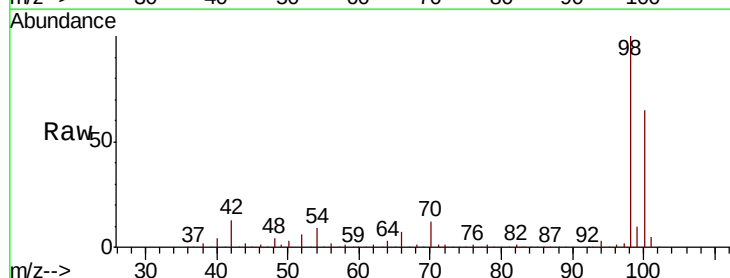


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

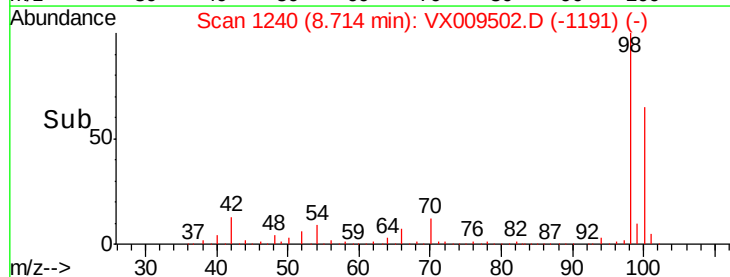
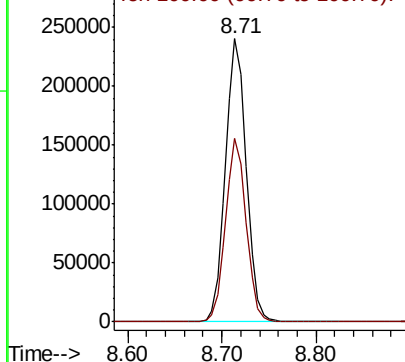


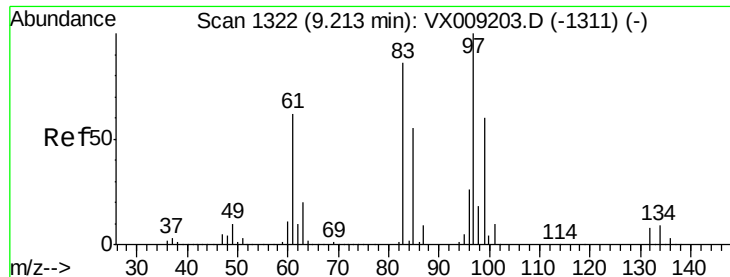
#50
Toluene-d8
Concen: 49.802 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009502.D
Acq: 10 May 2019 23:33

Tgt Ion: 98 Resp: 368958
Ion Ratio Lower Upper
98 100
100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#55

1,1,2-Trichloroethane

Concen: 0.315 ug/l

RT: 9.22 min Scan# 1323

Delta R.T. 0.01 min

Lab File: VX009502.D

Acq: 10 May 2019 23:33

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-MW201D-GW-20190509

Tot Ion: 97 Resp: 656

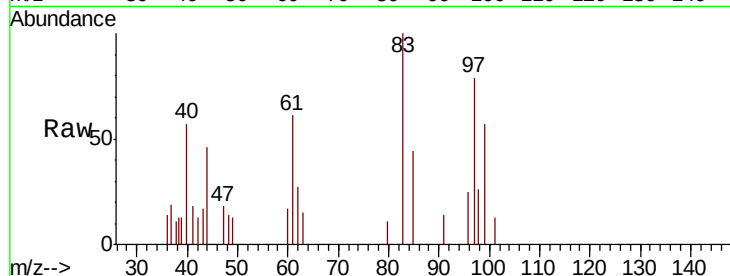
Ion Ratio Lower Upper

97 100

83 126.5 68.9 103.3#

85 55.8 43.8 65.6

99 72.7 48.2 72.2#

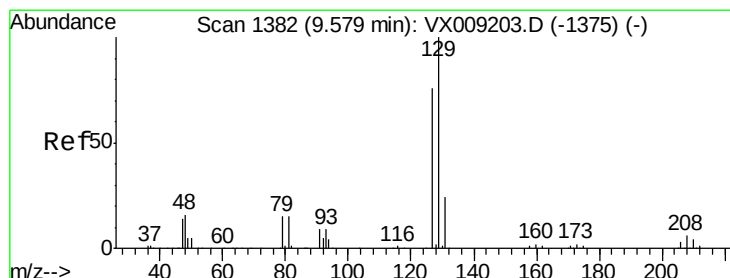
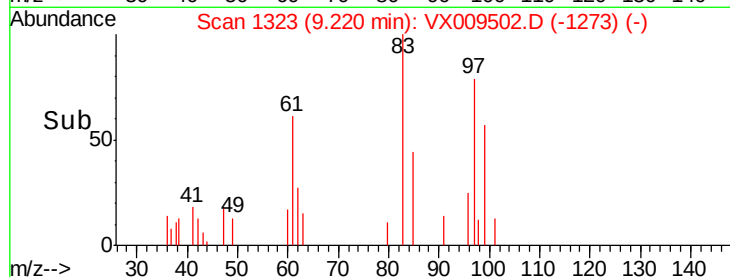
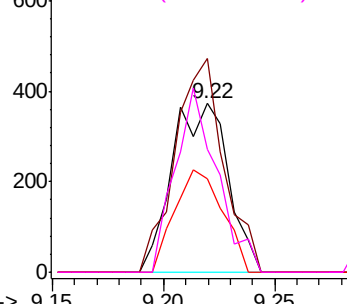


Abundance Ion 96.90 (96.60 to 97.60): VX0

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



#60

Dibromochloromethane

Concen: 110.589 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX009502.D

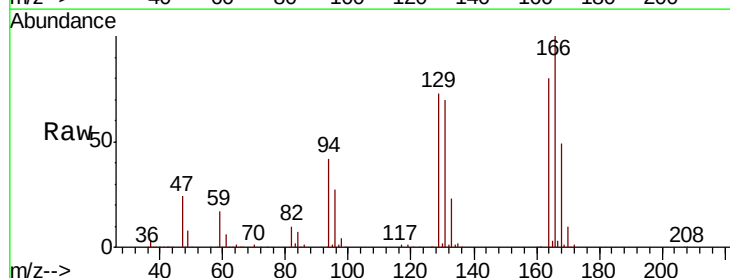
Acq: 10 May 2019 23:33

Tgt Ion:129 Resp: 224882

Ion Ratio Lower Upper

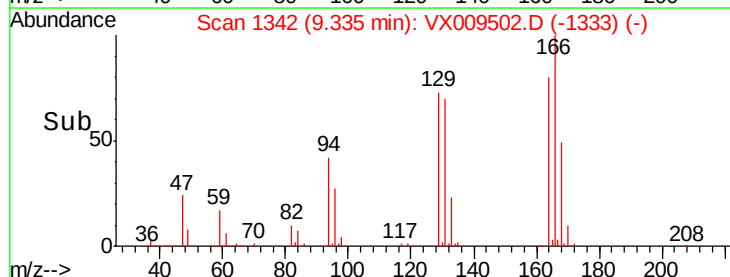
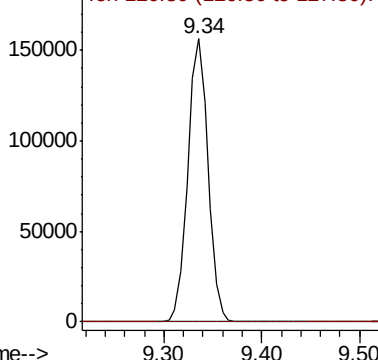
129 100

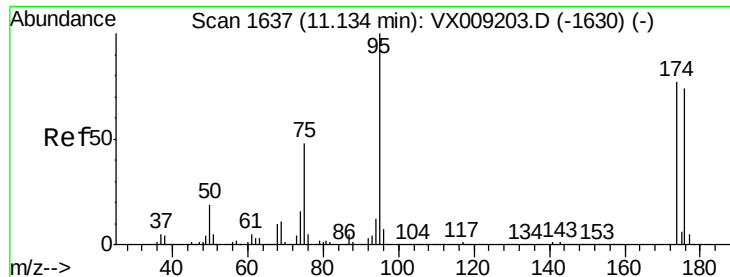
127 0.1 38.4 115.1#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 46.429 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009502.D

Acq: 10 May 2019 23:33

Instrument :

MSVOA_X

ClientSampleId :

BP-TT-MW201D-GW-20190509

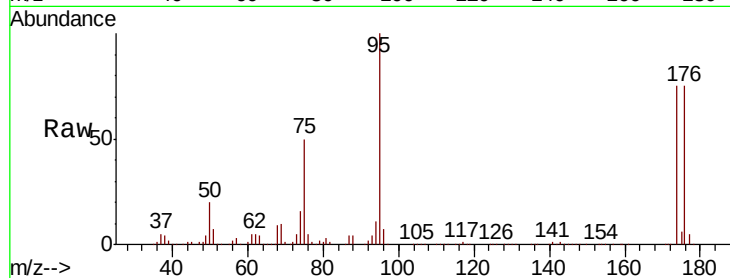
Tot Ion: 95 Resp: 124987

Ion Ratio Lower Upper

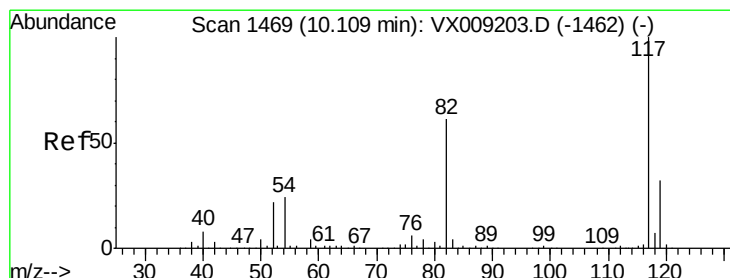
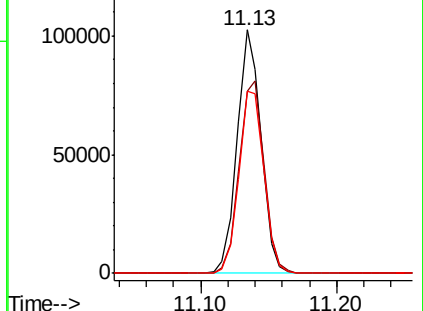
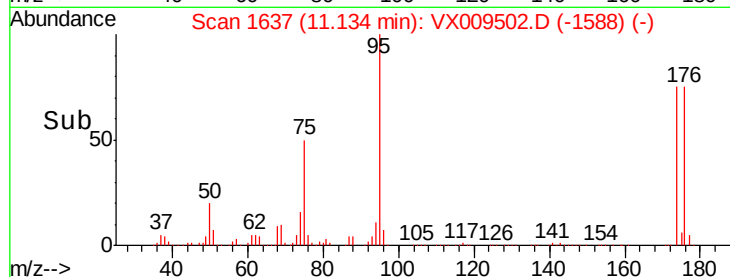
95 100

174 82.9 0.0 161.6

176 79.1 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009502.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009502.D

Acq: 10 May 2019 23:33

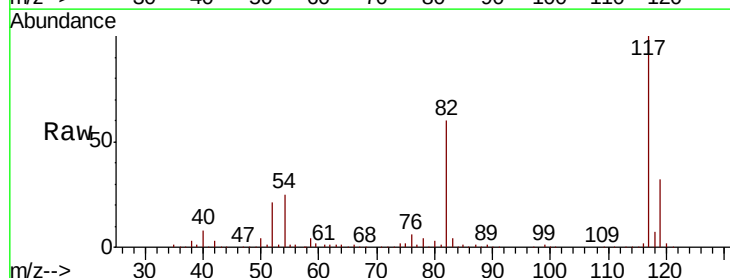
Tgt Ion: 117 Resp: 260742

Ion Ratio Lower Upper

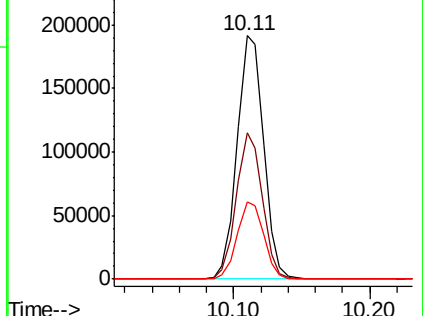
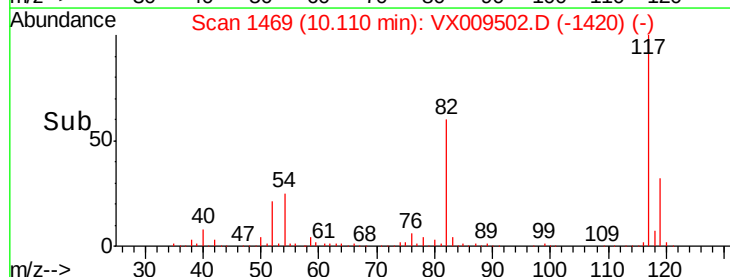
117 100

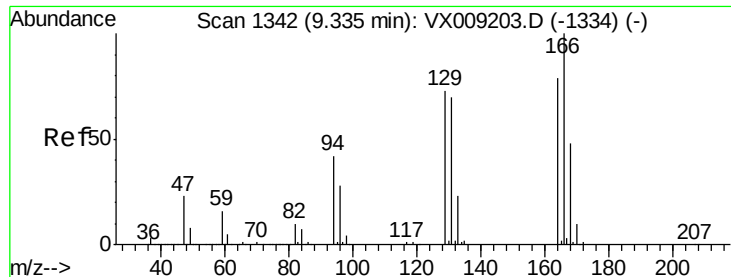
82 59.9 48.8 73.2

119 31.9 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VX009502.D (-1420) (-)

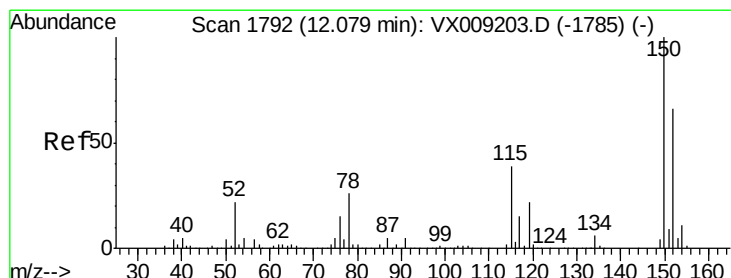
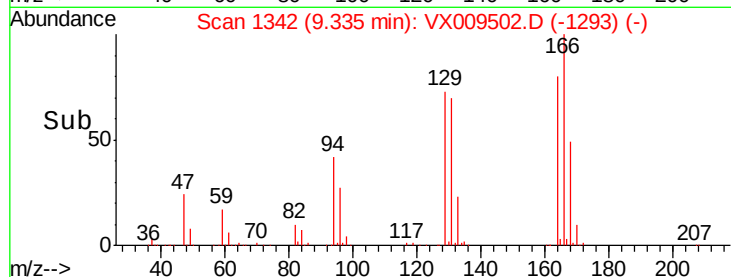
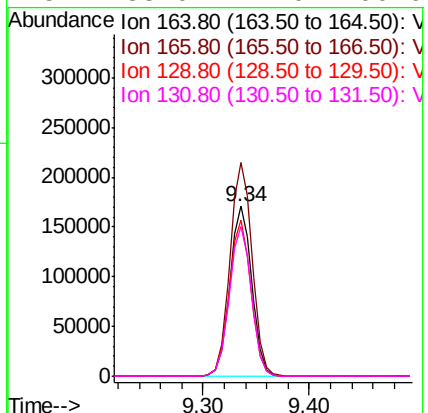
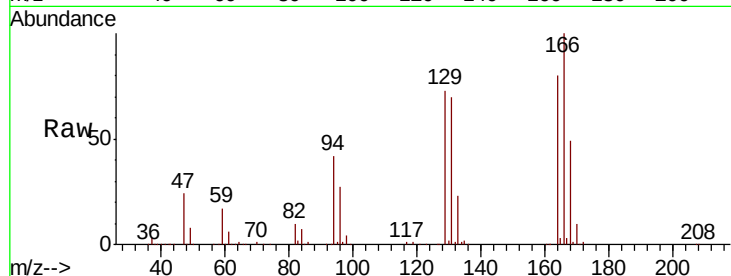




#64
Tetrachloroethene
Concen: 137.404 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009502.D
Acq: 10 May 2019 23:33

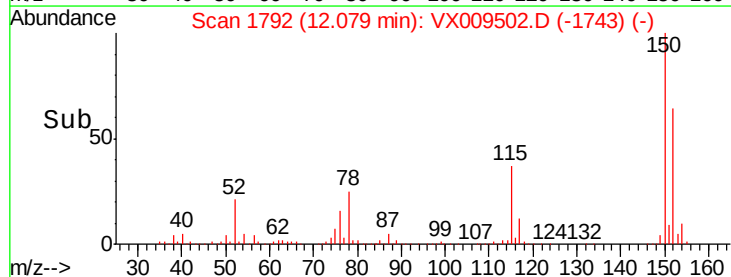
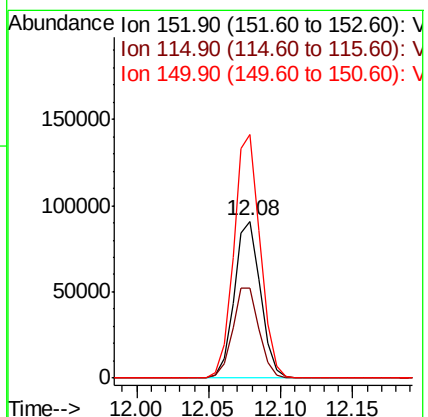
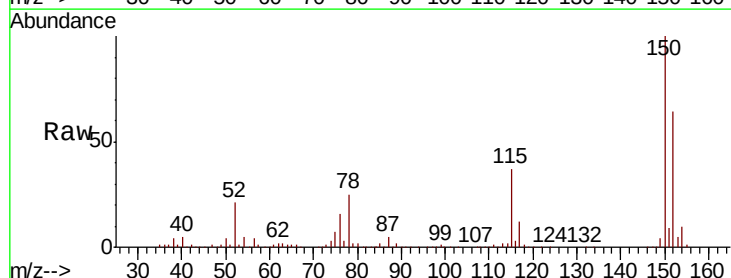
Instrument :
MSVOA_X
ClientSampleId :
BP-TT-MW201D-GW-20190509

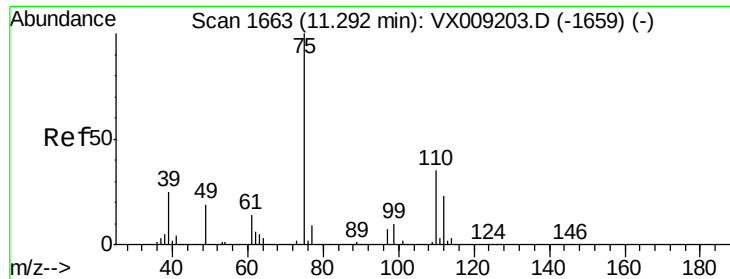
Tot Ion	Ratio	Lower	Upper
164	100		
166	125.7	101.2	151.8
129	91.6	74.3	111.5
131	88.0	71.0	106.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009502.D
Acq: 10 May 2019 23:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	41.2	123.6
150	156.5	0.0	346.4

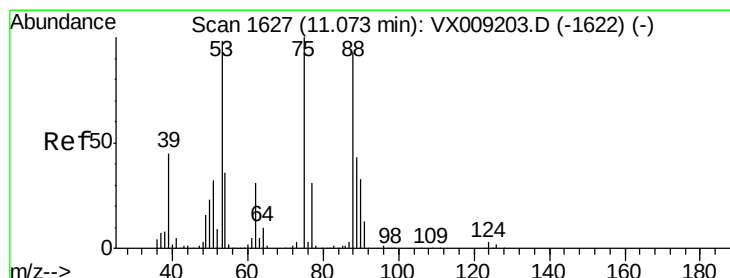
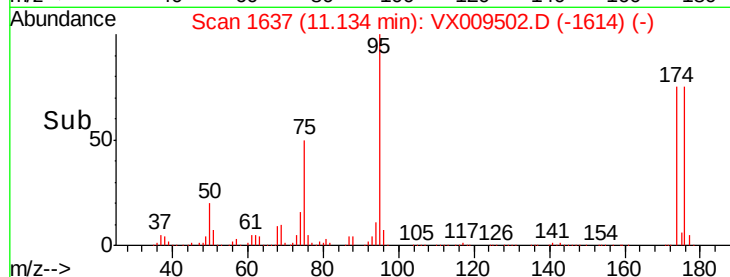
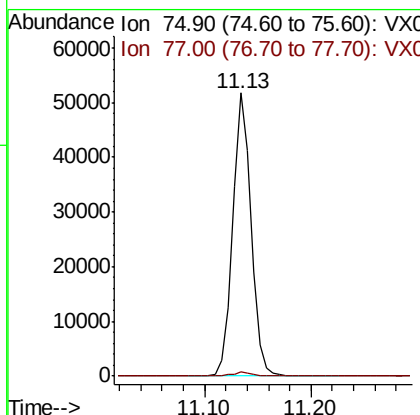
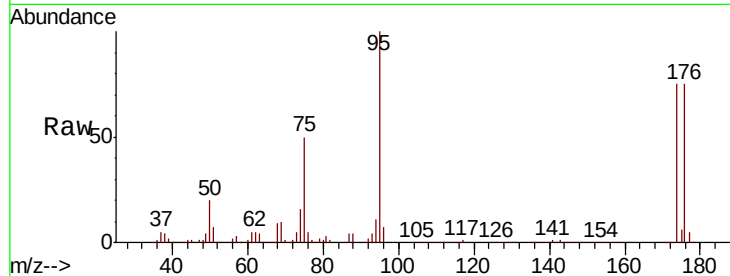




#76
 1,2,3-Trichloropropane
 Concen: 23.415 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009502.D
 Acq: 10 May 2019 23:33

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-MW201D-GW-20190509

Tot Ion: 75 Resp: 62772
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.909 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009502.D
 Acq: 10 May 2019 23:33

Tgt Ion: 75 Resp: 62772
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.0 118.6#
 89 0.0 34.7 52.1#

