

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031519\
 Data File : VX008122.D
 Acq On : 15 Mar 2019 22:37
 Operator : JC/SP
 Sample : K1856-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW307D-20190311

Quant Time: Mar 16 01:10:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 03:56:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	250882	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	378127	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	361019	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	179185	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	127055	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	
35) Dibromofluoromethane	5.51	113	122633	51.14	ug/l	0.00
Spiked Amount			Recovery	=	102.28%	
50) Toluene-d8	8.71	98	454695	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
62) 4-Bromofluorobenzene	11.13	95	166355	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	

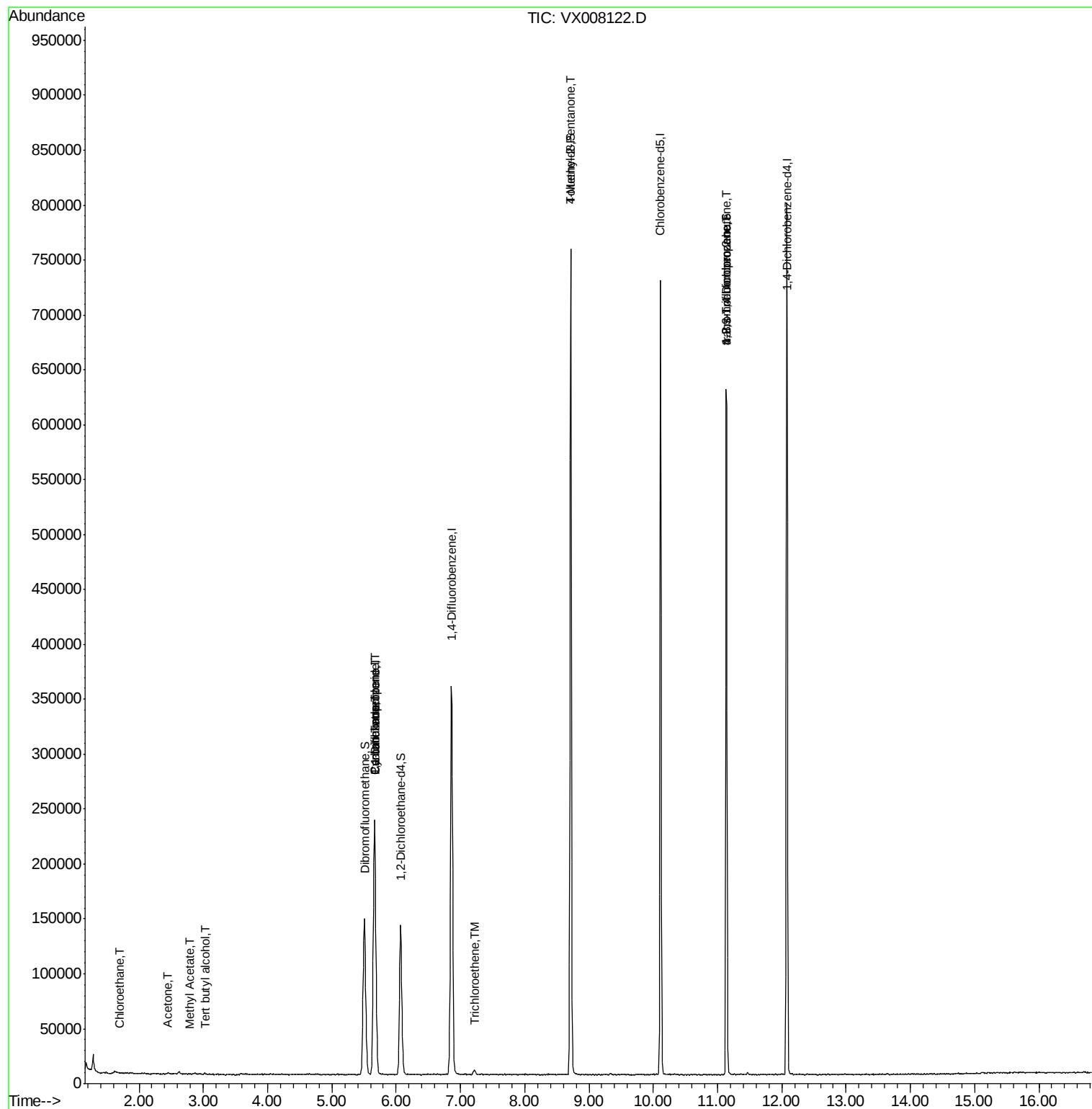
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	222	Below Cal		82
6) Chloroethane	1.71	64	2646	1.507	ug/l #	59
11) Tert butyl alcohol	3.03	59	628	1.284	ug/l #	81
16) Acetone	2.45	43	1292	1.081	ug/l	94
18) Methyl Acetate	2.78	43	630	0.244	ug/l #	76
31) Cyclohexane	5.67	56	3632	1.004	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14212	4.569	ug/l #	49
38) Carbon Tetrachloride	5.66	117	20981	7.007	ug/l #	17
44) Trichloroethene	7.22	130	2020	0.734	ug/l	88
51) 4-Methyl-2-Pentanone	8.71	43	1781	0.502	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	73822	23.722	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	73822	67.505	ug/l #	11

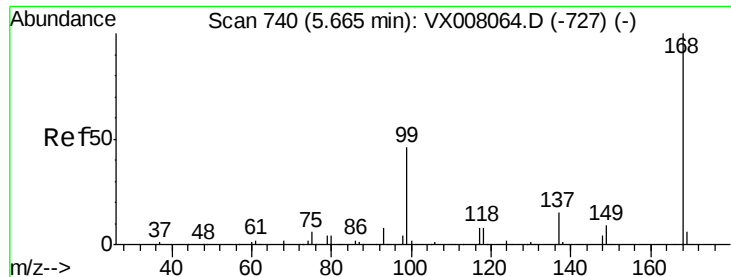
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008122.D

Acq: 15 Mar 2019 22:37

Instrument :

MSVOA_X

ClientSampleId :

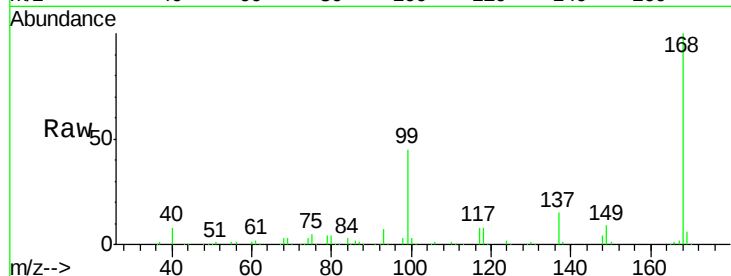
BPS1-TT-MW307D-20190311

Tot Ion:168 Resp: 250882

Ion Ratio Lower Upper

168 100

99 44.6 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

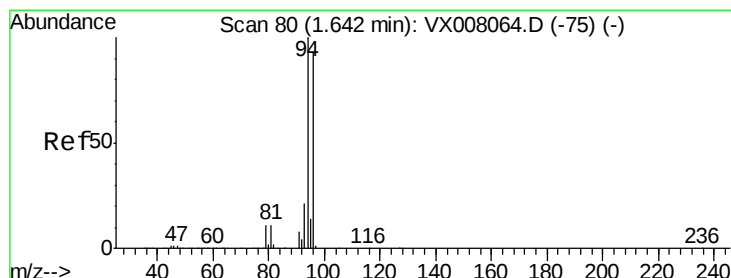
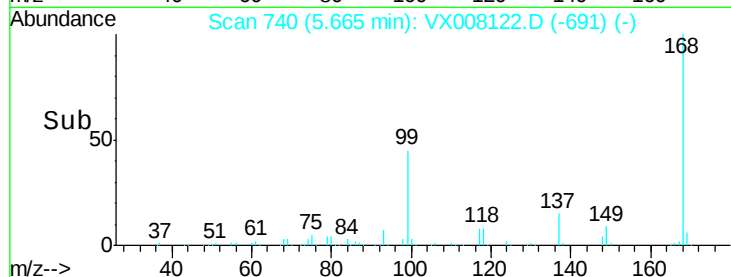
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008122.D

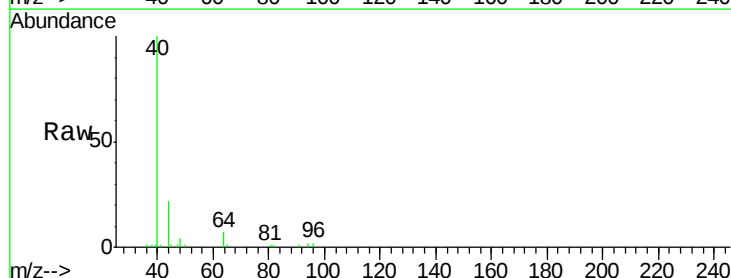
Acq: 15 Mar 2019 22:37

Tgt Ion: 94 Resp: 222

Ion Ratio Lower Upper

94 100

96 76.8 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

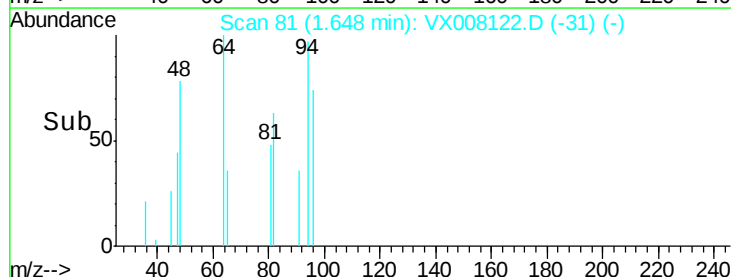
150

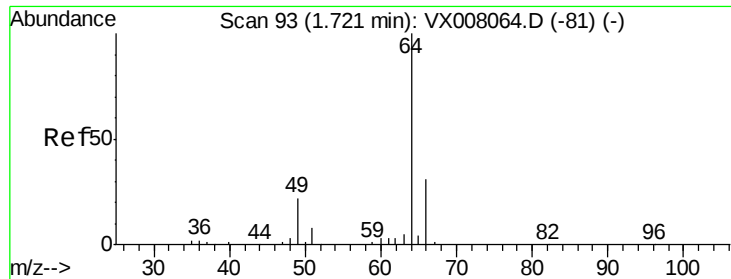
100

50

0

Time--> 1.62 1.64 1.66 1.68

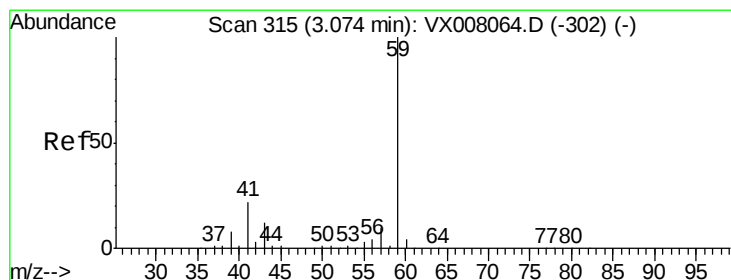
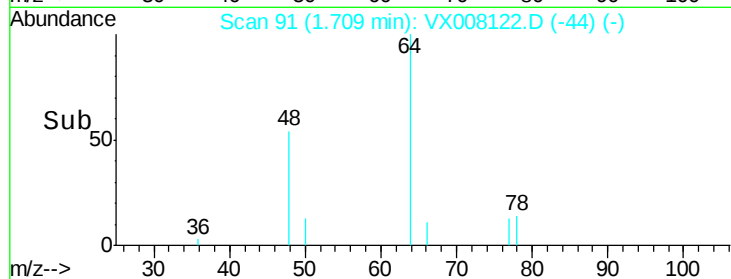
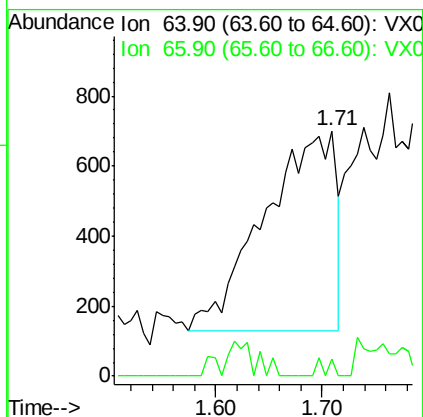
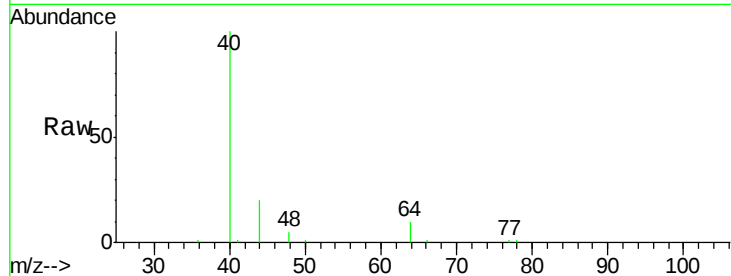




#6
 Chloroethane
 Concen: 1.507 ug/l
 RT: 1.71 min Scan# 91
 Delta R.T. -0.01 min
 Lab File: VX008122.D
 Acq: 15 Mar 2019 22:37

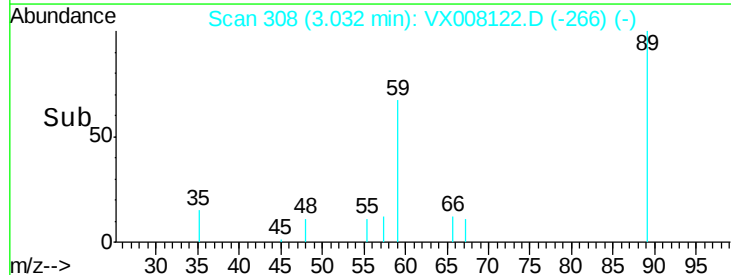
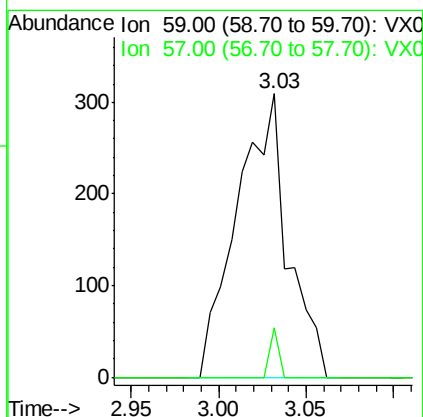
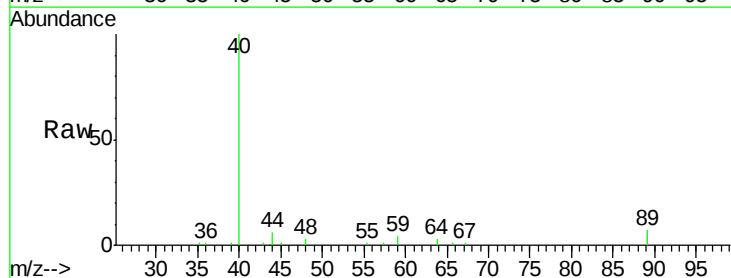
Instrument :
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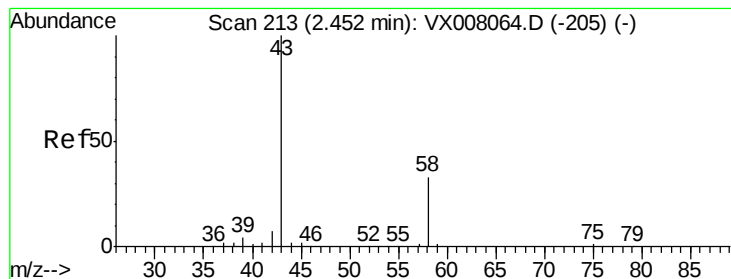
Tot Ion: 64 Resp: 2646
 Ion Ratio Lower Upper
 64 100
 66 8.9 25.2 37.8#



#11
 Tert butyl alcohol
 Concen: 1.284 ug/l
 RT: 3.03 min Scan# 308
 Delta R.T. -0.04 min
 Lab File: VX008122.D
 Acq: 15 Mar 2019 22:37

Tgt Ion: 59 Resp: 628
 Ion Ratio Lower Upper
 59 100
 57 3.2 8.2 12.2#





#16

Acetone

Concen: 1.081 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX008122.D

Acq: 15 Mar 2019 22:37

Instrument :

MSVOA_X

ClientSampleId :

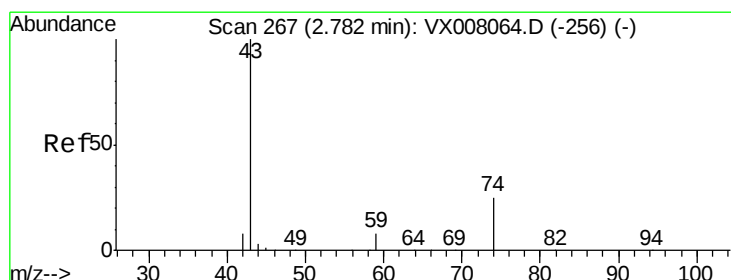
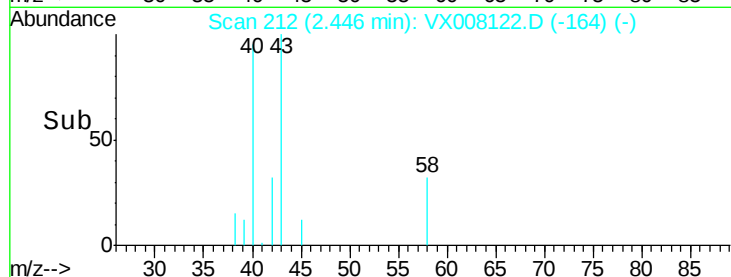
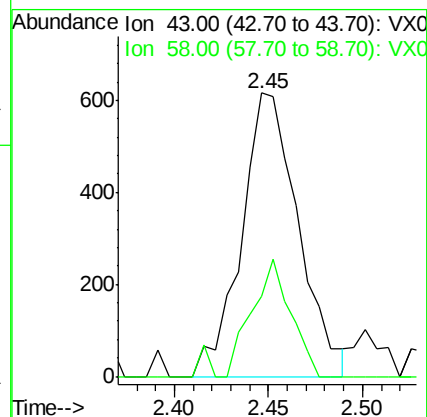
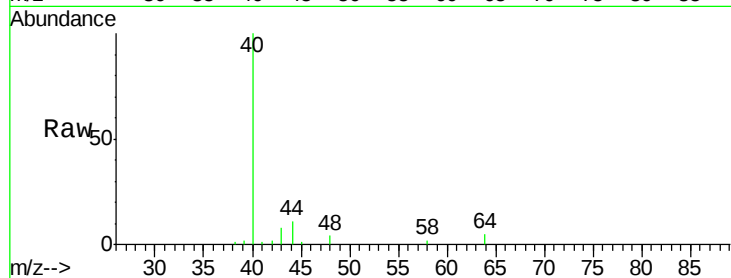
BPS1-TT-MW307D-20190311

Tot Ion: 43 Resp: 1292

Ion Ratio Lower Upper

43 100

58 28.4 25.5 38.3



#18

Methyl Acetate

Concen: 0.244 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX008122.D

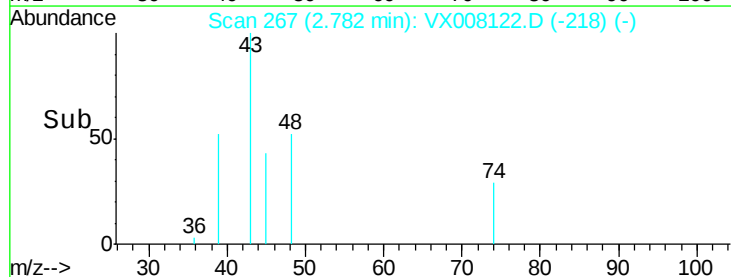
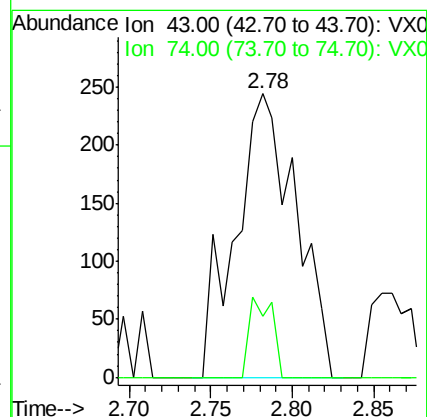
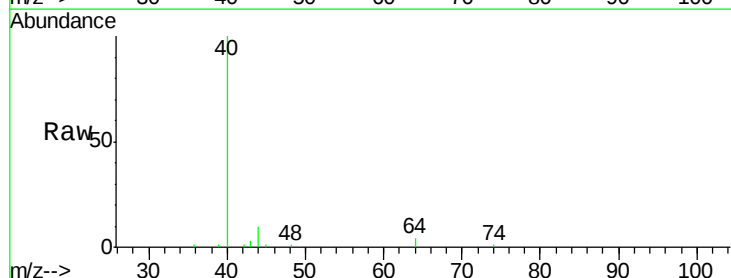
Acq: 15 Mar 2019 22:37

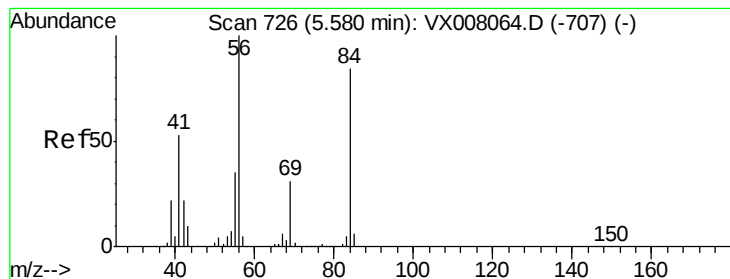
Tgt Ion: 43 Resp: 630

Ion Ratio Lower Upper

43 100

74 10.8 17.8 26.6#





#31

Cyclohexane

Concen: 1.004 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.09 min

Lab File: VX008122.D

Acq: 15 Mar 2019 22:37

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW307D-20190311

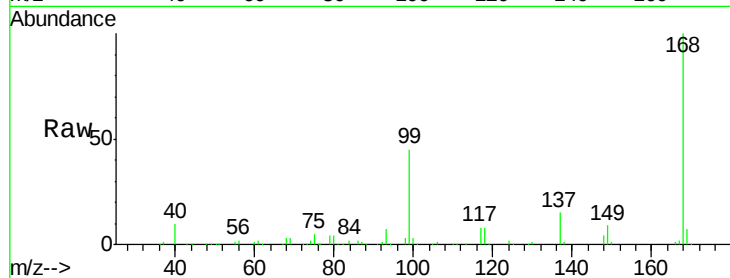
Tot Ion: 56 Resp: 3632

Ion Ratio Lower Upper

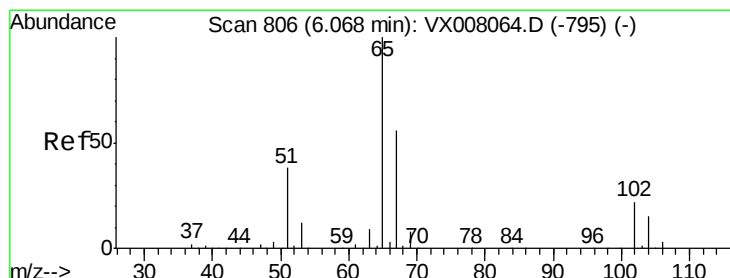
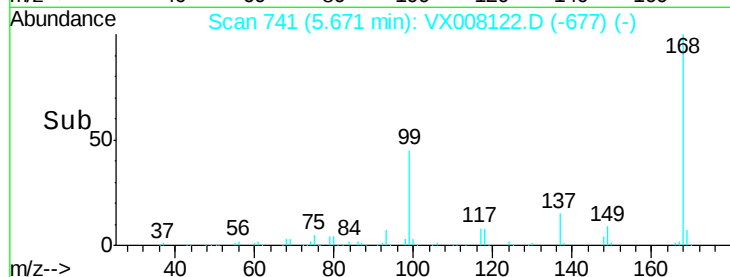
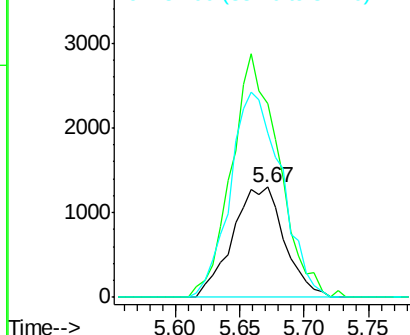
56 100

69 176.3 24.0 36.0#

84 149.7 65.3 97.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 50.205 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008122.D

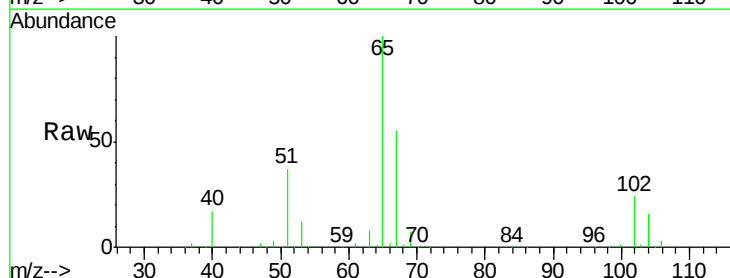
Acq: 15 Mar 2019 22:37

Tgt Ion: 65 Resp: 127055

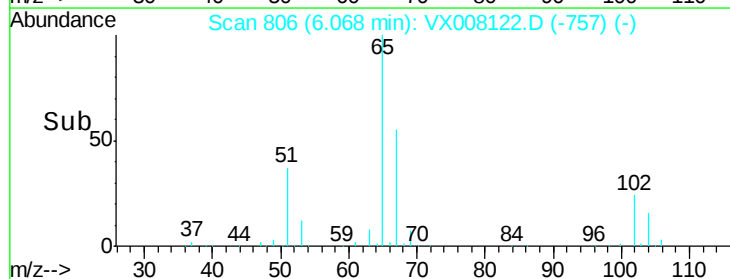
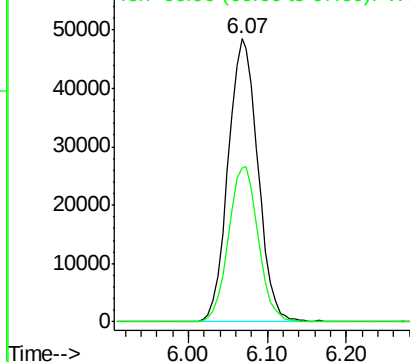
Ion Ratio Lower Upper

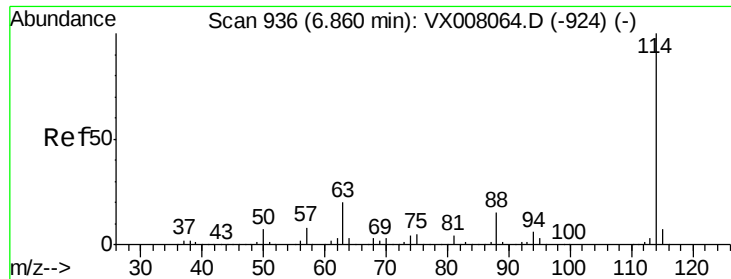
65 100

67 54.7 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

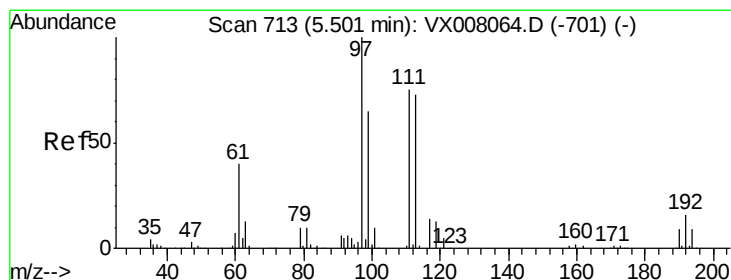
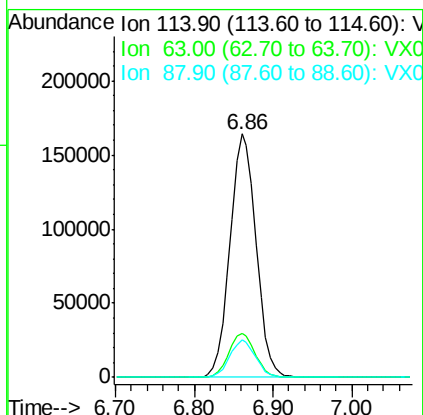
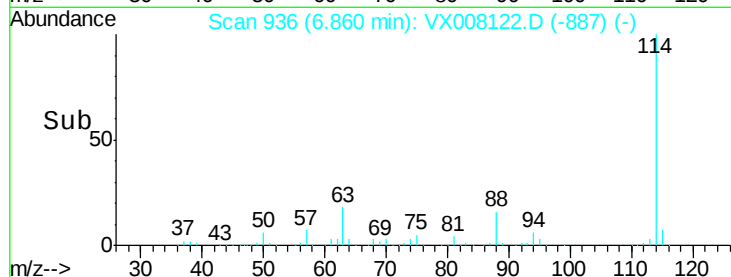
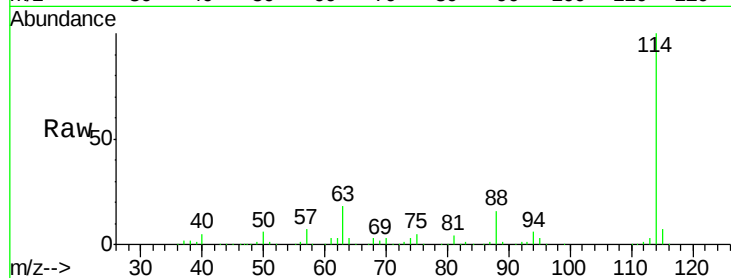




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008122.D
 Acq: 15 Mar 2019 22:37

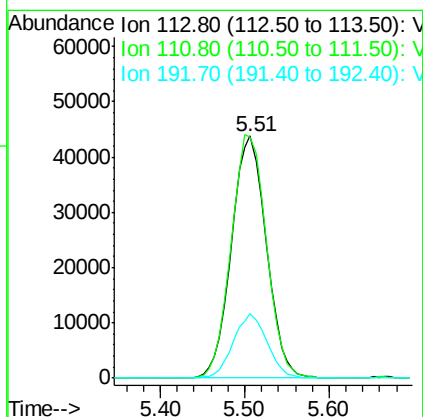
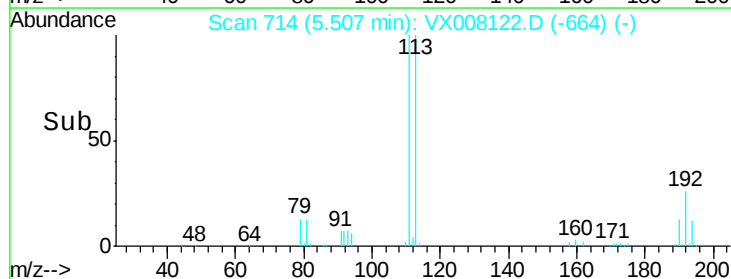
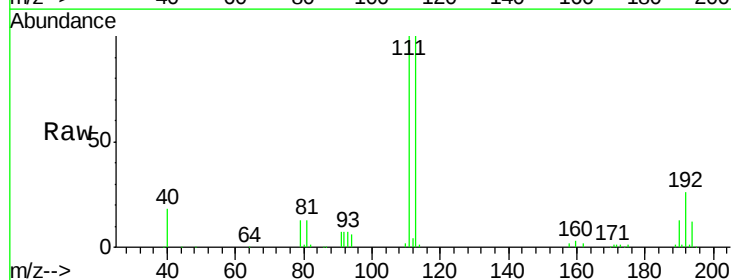
Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW307D-20190311

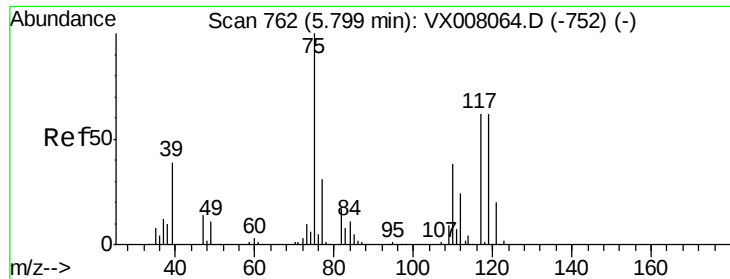
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	39.8
88	15.5	0.0	31.4



#35
 Dibromofluoromethane
 Concen: 51.142 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX008122.D
 Acq: 15 Mar 2019 22:37

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.4	122.0
192	25.9	19.4	29.0





#36

1,1-Dichloropropene

Concen: 4.569 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX008122.D

Acq: 15 Mar 2019 22:37

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW307D-20190311

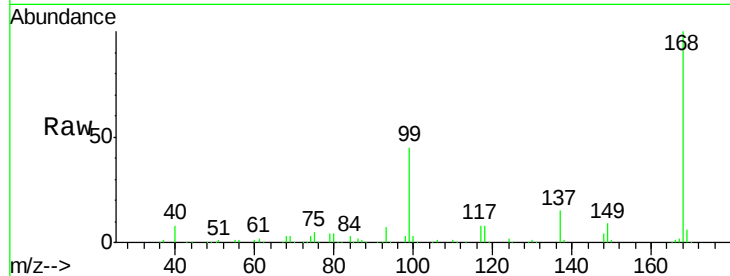
Tot Ion: 75 Resp: 14212

Ion Ratio Lower Upper

75 100

110 9.2 18.4 55.0#

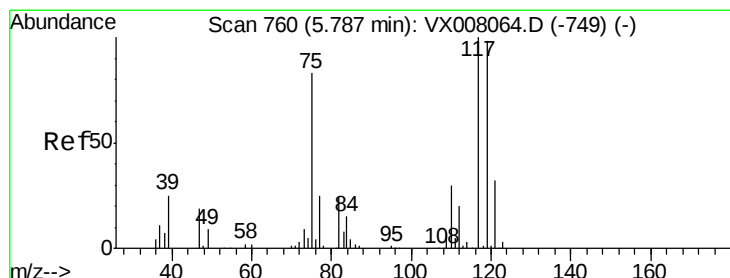
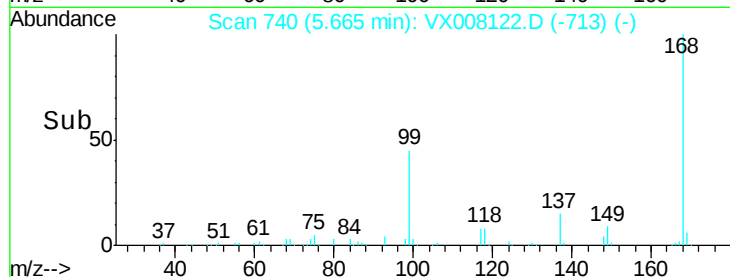
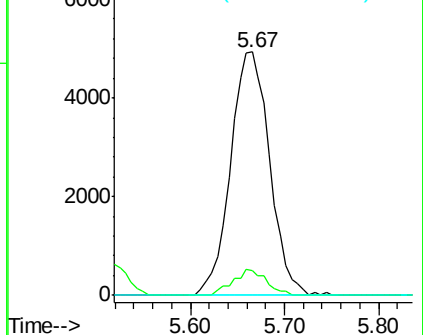
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 7.007 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008122.D

Acq: 15 Mar 2019 22:37

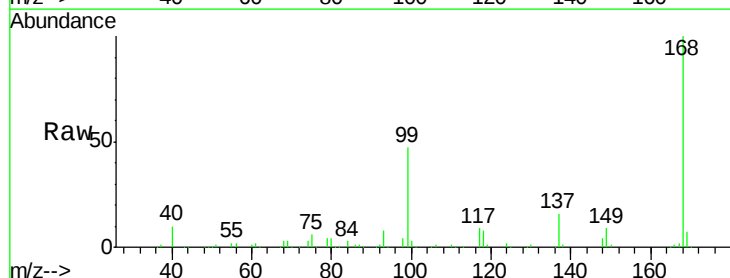
Tgt Ion:117 Resp: 20981

Ion Ratio Lower Upper

117 100

119 6.2 76.2 114.2#

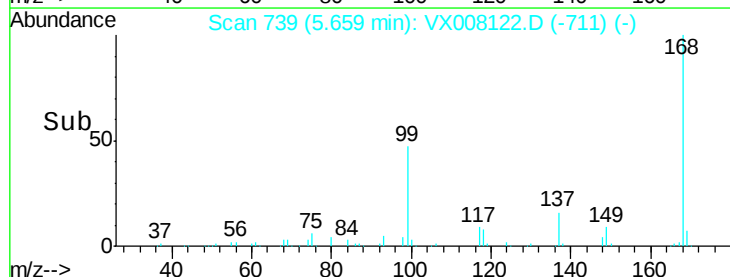
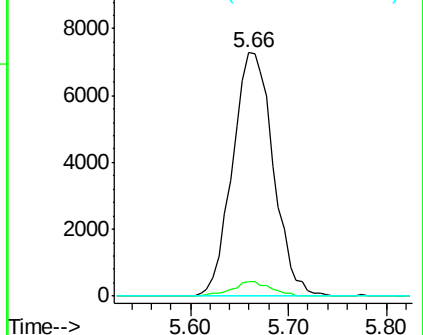
121 0.0 24.6 36.8#

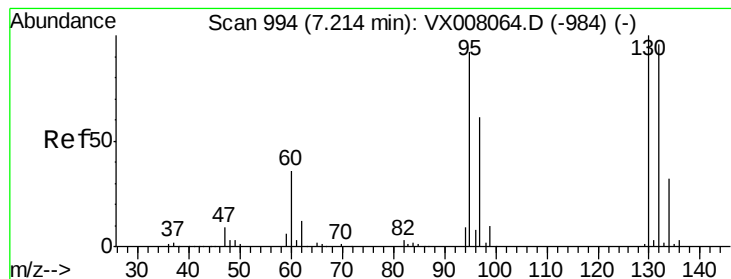


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 0.734 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX008122.D

Acq: 15 Mar 2019 22:37

Instrument :

MSVOA_X

ClientSampleId :

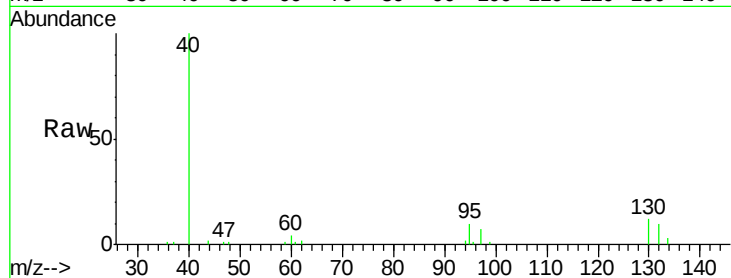
BPS1-TT-MW307D-20190311

Tot Ion:130 Resp: 2020

Ion Ratio Lower Upper

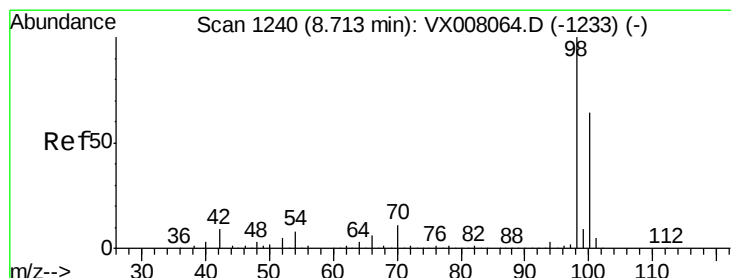
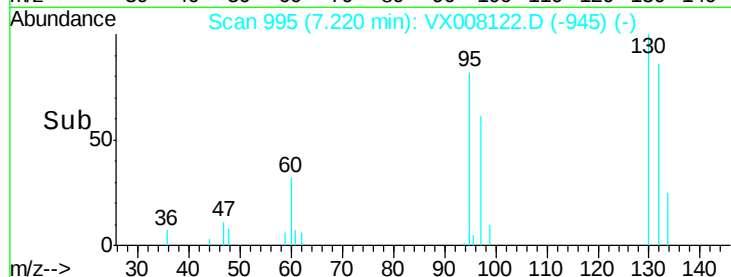
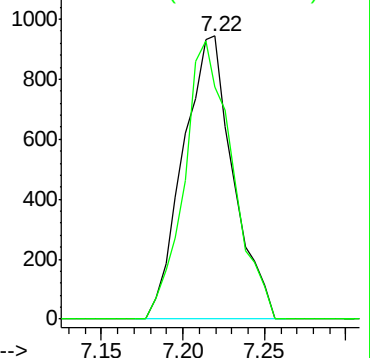
130 100

95 82.2 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 49.858 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008122.D

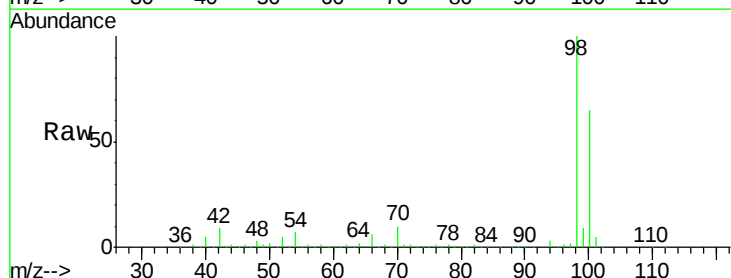
Acq: 15 Mar 2019 22:37

Tgt Ion: 98 Resp: 454695

Ion Ratio Lower Upper

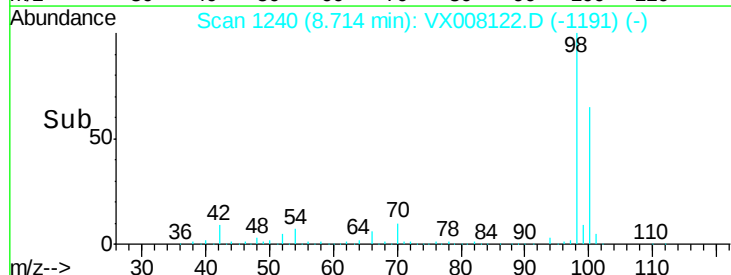
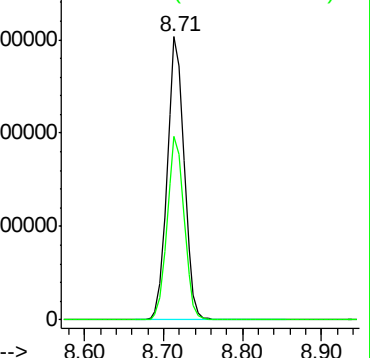
98 100

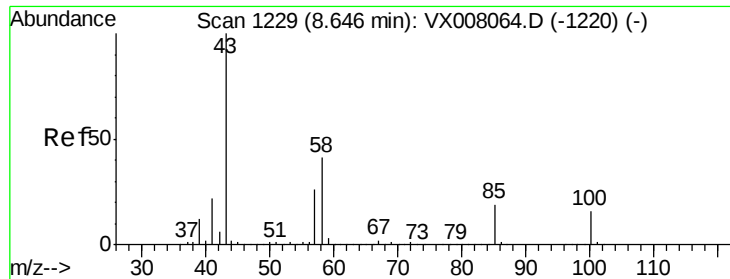
100 65.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 0.502 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.07 min

Lab File: VX008122.D

Acq: 15 Mar 2019 22:37

Instrument :

MSVOA_X

ClientSampleId :

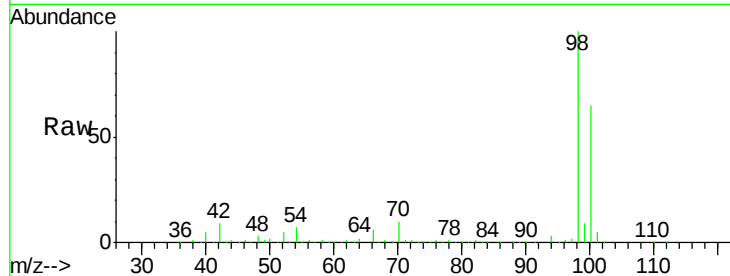
BPS1-TT-MW307D-20190311

Tot Ion: 43 Resp: 1781

Ion Ratio Lower Upper

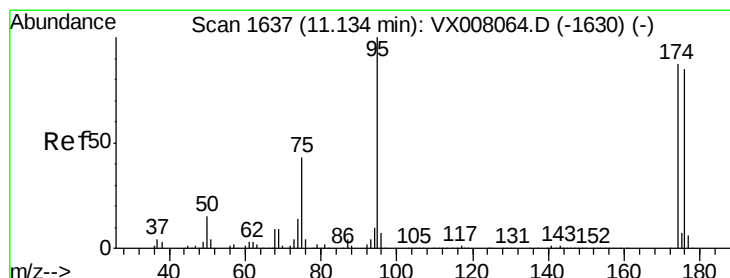
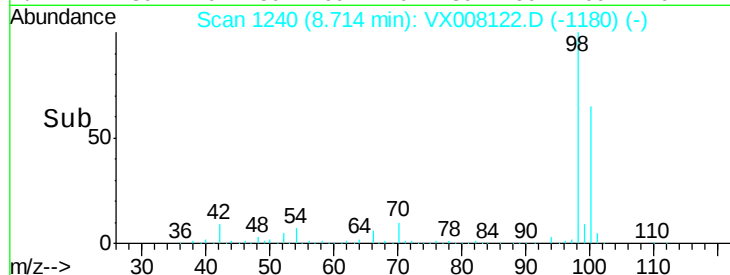
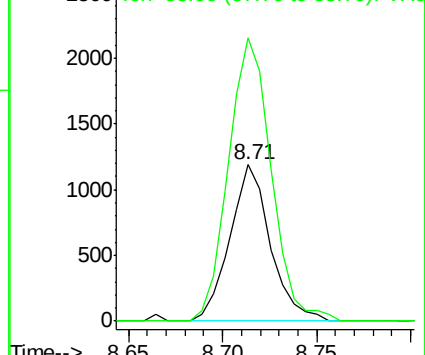
43 100

58 190.5 31.3 46.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 50.919 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008122.D

Acq: 15 Mar 2019 22:37

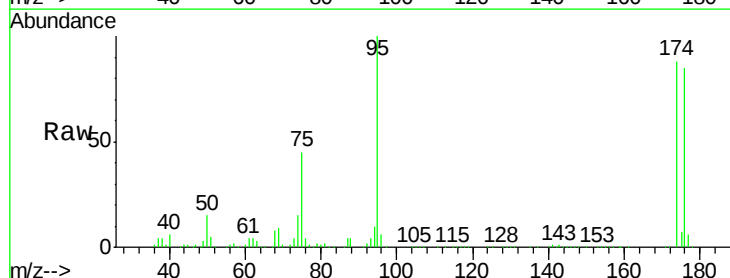
Tgt Ion: 95 Resp: 166355

Ion Ratio Lower Upper

95 100

174 96.1 0.0 182.8

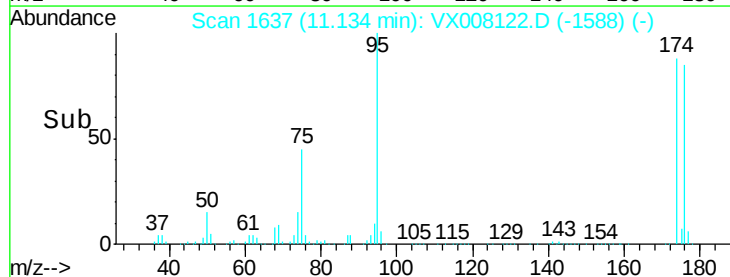
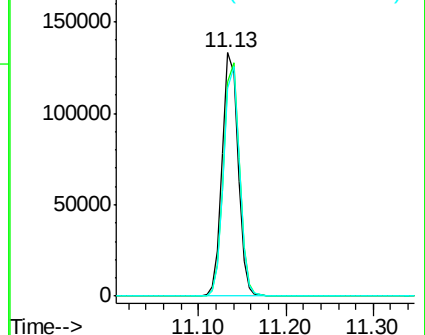
176 94.1 0.0 178.0

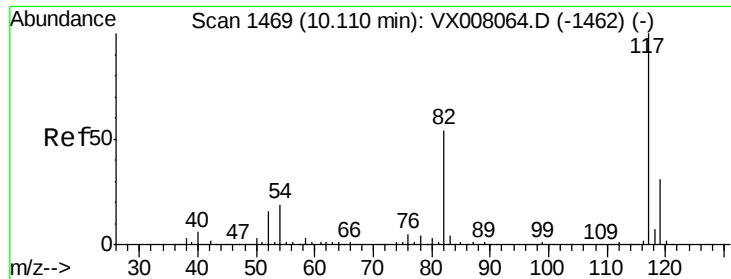


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

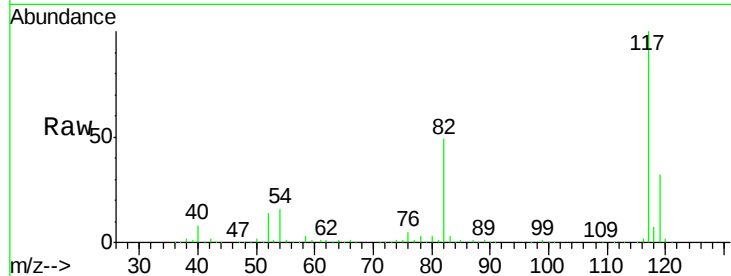




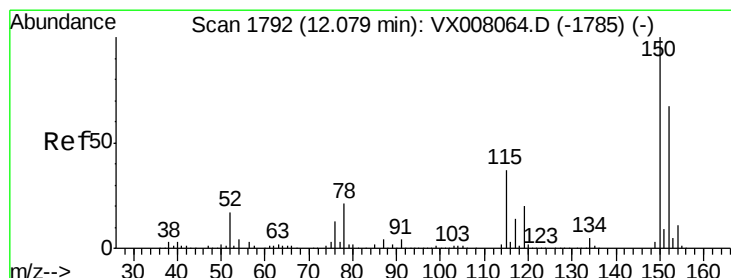
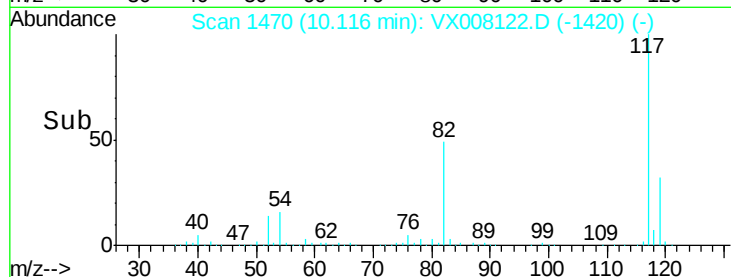
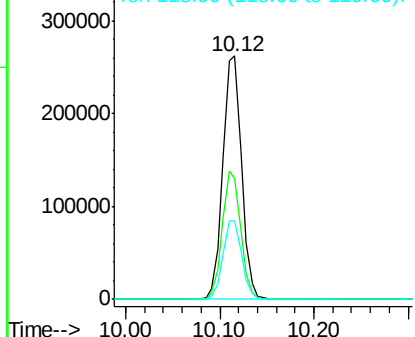
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008122.D
Acq: 15 Mar 2019 22:37

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW307D-20190311

Tot Ion:117 Resp: 361019
Ion Ratio Lower Upper
117 100
82 49.4 44.3 66.5
119 32.5 25.3 37.9

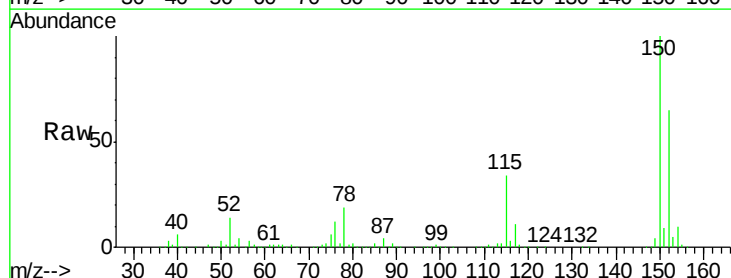


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

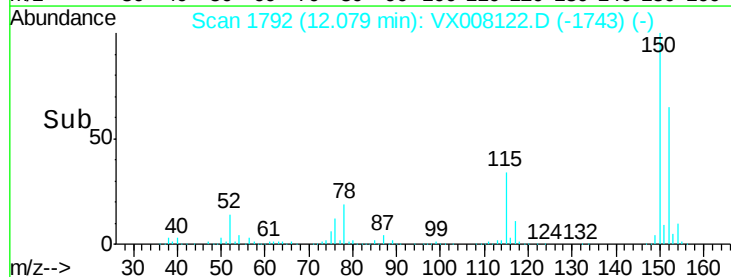
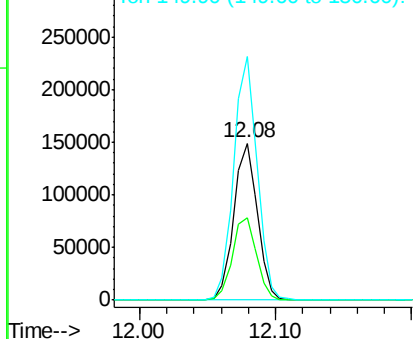


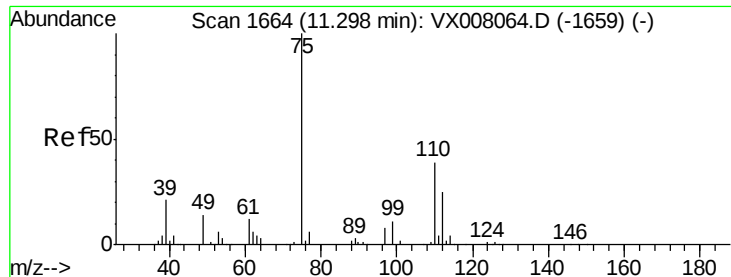
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008122.D
Acq: 15 Mar 2019 22:37

Tgt Ion:152 Resp: 179185
Ion Ratio Lower Upper
152 100
115 54.1 38.6 115.7
150 155.1 0.0 348.4



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





#76

1,2,3-Trichloropropane

Concen: 23.722 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008122.D

Acq: 15 Mar 2019 22:37

Instrument :

MSVOA_X

ClientSampleId :

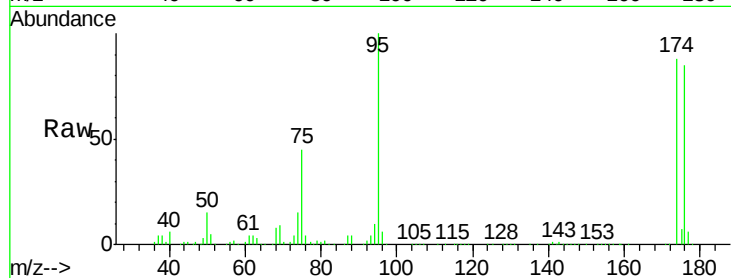
BPS1-TT-MW307D-20190311

Tot Ion: 75 Resp: 73822

Ion Ratio Lower Upper

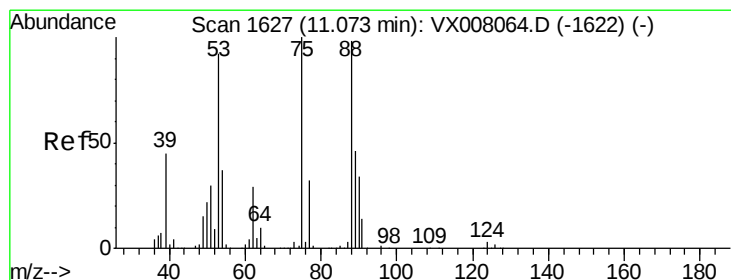
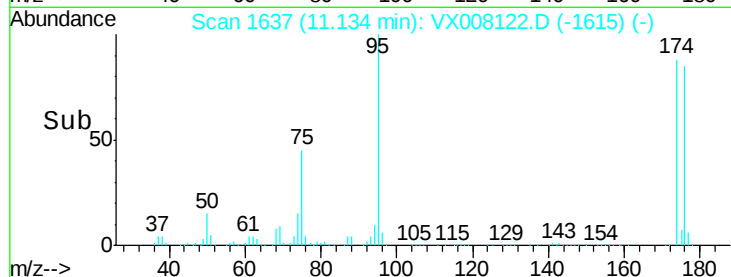
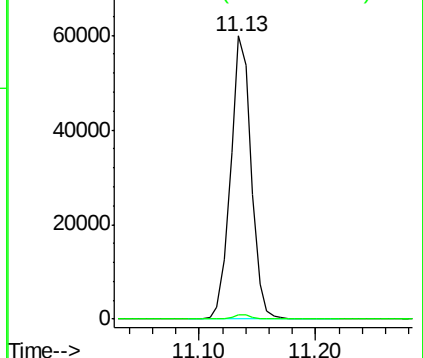
75 100

77 1.4 18.9 56.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 67.505 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008122.D

Acq: 15 Mar 2019 22:37

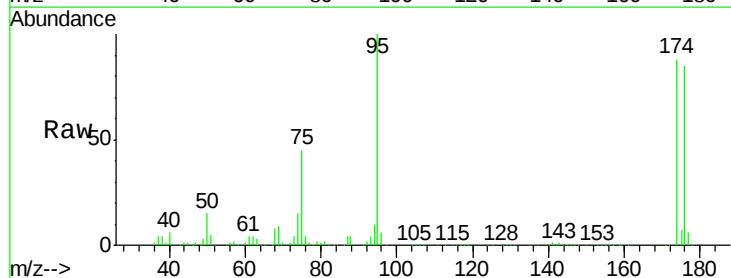
Tgt Ion: 75 Resp: 73822

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

89 0.0 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

