

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060719\
 Data File : VX010124.D
 Acq On : 07 Jun 2019 21:21
 Operator : JC/SP
 Sample : K3221-14DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW301I-20190605DL

Quant Time: Jun 08 02:24:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	310415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	467177	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	421739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	205022	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	140717	46.44	ug/l	0.00
Spiked Amount			Recovery	=	92.88%	
35) Dibromofluoromethane	5.49	113	143107	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
50) Toluene-d8	8.71	98	552471	51.15	ug/l	0.00
Spiked Amount			Recovery	=	102.30%	
62) 4-Bromofluorobenzene	11.13	95	197187	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	

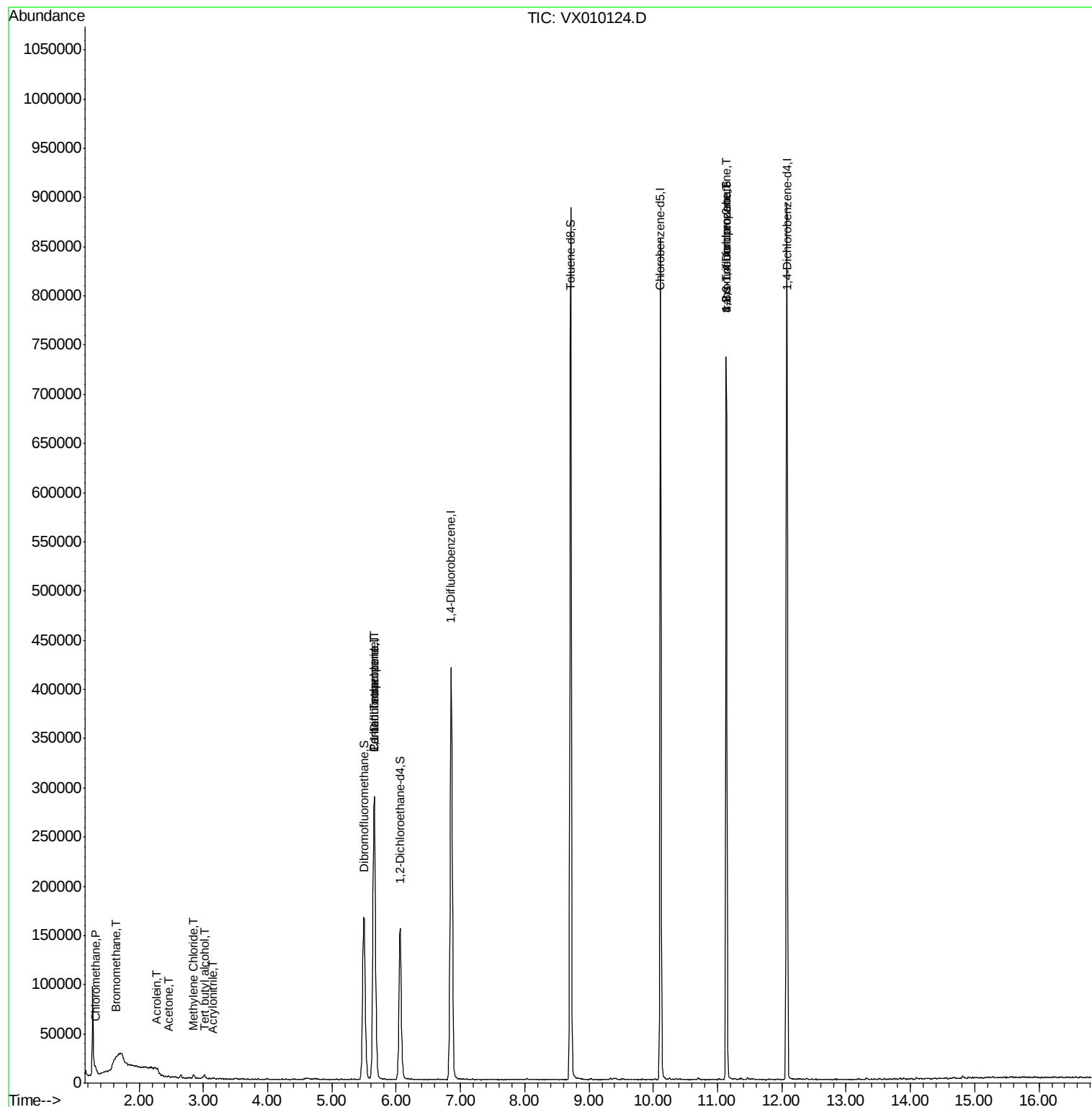
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	638	0.225	ug/l #	81
5) Bromomethane	1.64	94	399	0.397	ug/l #	77
11) Tert butyl alcohol	3.02	59	2052	2.765	ug/l #	73
13) Acrolein	2.26	56	35	0.259	ug/l #	1
15) Acrylonitrile	3.15	53	317	0.209	ug/l #	44
16) Acetone	2.46	43	1347	0.945	ug/l	95
20) Methylene Chloride	2.85	84	2143	0.685	ug/l #	59
36) 1,1-Dichloropropene	5.66	75	18766	4.924	ug/l #	52
38) Carbon Tetrachloride	5.66	117	26879	6.230	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	88874	21.672	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	88874	47.883	ug/l #	10

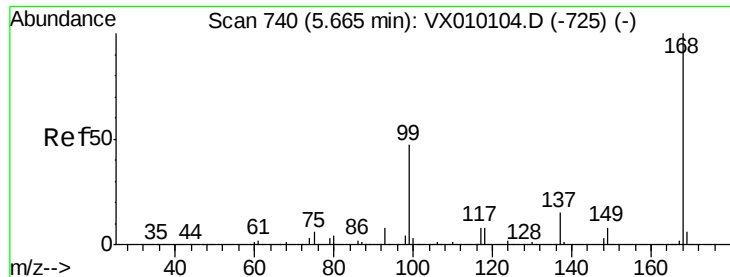
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060719\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 02:12:13 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: VX010124.D

Acq: 07 Jun 2019 21:21

Instrument :

MSVOA_X

ClientSampleId :

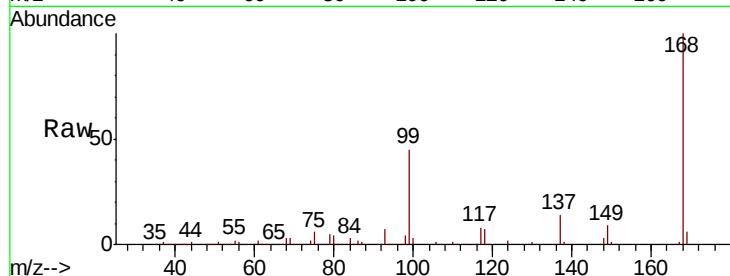
BPS1-TT-MW301I-20190605DL

Tot Ion:168 Resp: 310415

Ion Ratio Lower Upper

168 100

99 45.4 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

60000

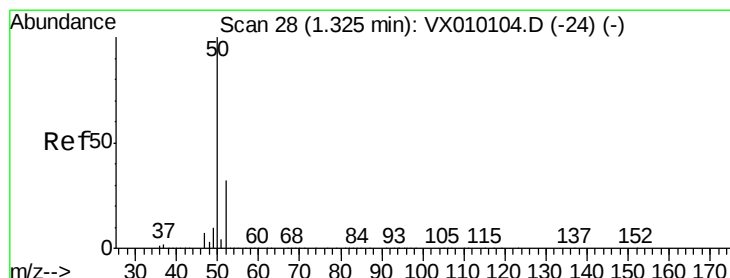
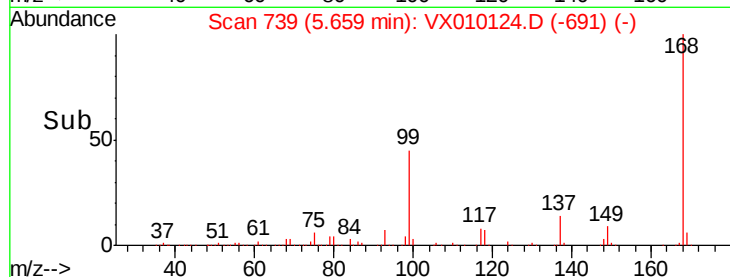
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.225 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX010124.D

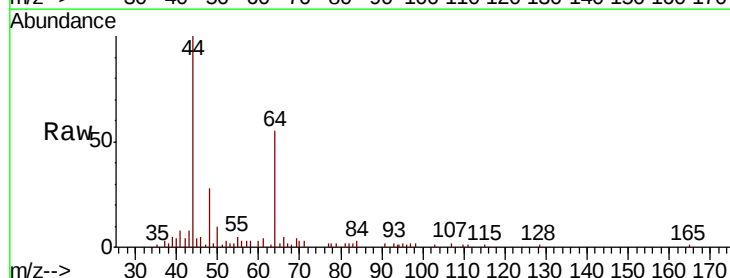
Acq: 07 Jun 2019 21:21

Tgt Ion: 50 Resp: 638

Ion Ratio Lower Upper

50 100

52 21.6 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

600

500

400

300

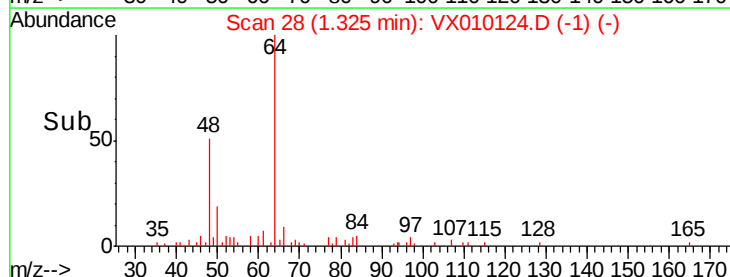
200

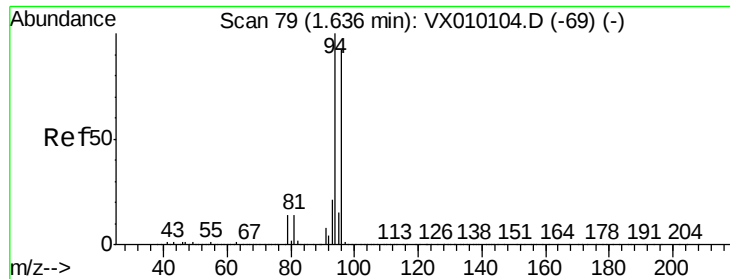
100

0

Time-->

1.30 1.35 1.40





#5

Bromomethane

Concen: 0.397 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX010124.D

Acq: 07 Jun 2019 21:21

Instrument :

MSVOA_X

ClientSampleId :

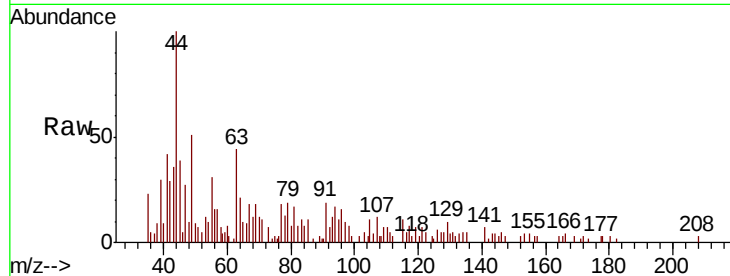
BPS1-TT-MW301I-20190605DL

Tot Ion: 94 Resp: 399

Ion Ratio Lower Upper

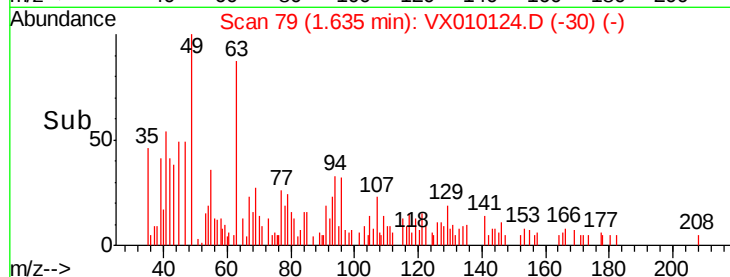
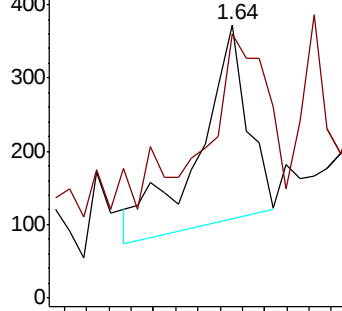
94 100

96 73.0 76.2 114.4#

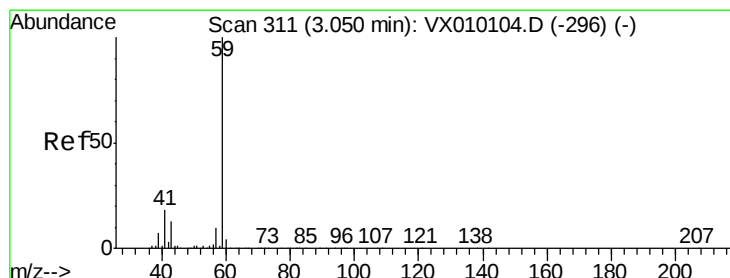


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#11

Tert butyl alcohol

Concen: 2.765 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX010124.D

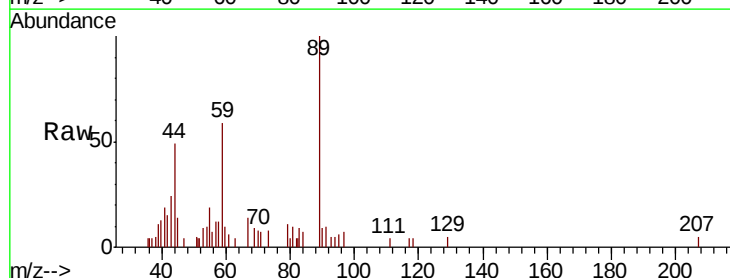
Acq: 07 Jun 2019 21:21

Tgt Ion: 59 Resp: 2052

Ion Ratio Lower Upper

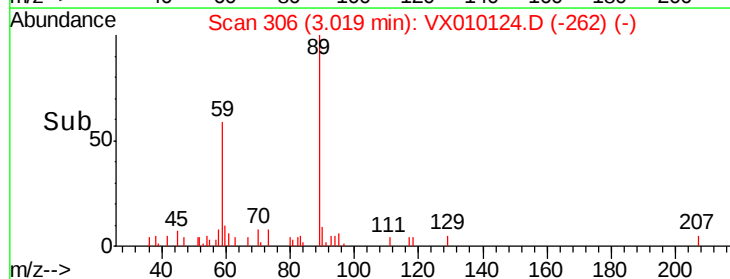
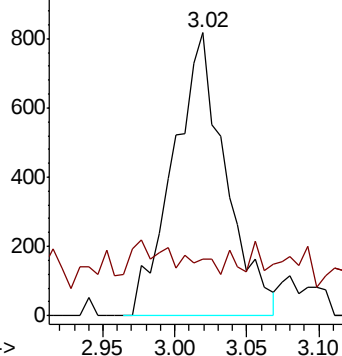
59 100

57 0.0 8.2 12.2#

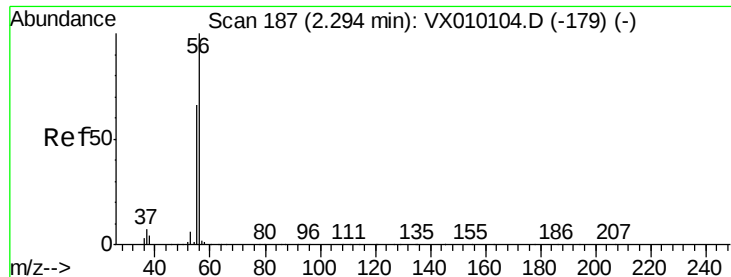


Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



Time-->



#13

Acrolein

Concen: 0.259 ug/l

RT: 2.26 min Scan# 182

Delta R.T. -0.03 min

Lab File: VX010124.D

Acq: 07 Jun 2019 21:21

Instrument :

MSVOA_X

ClientSampleId :

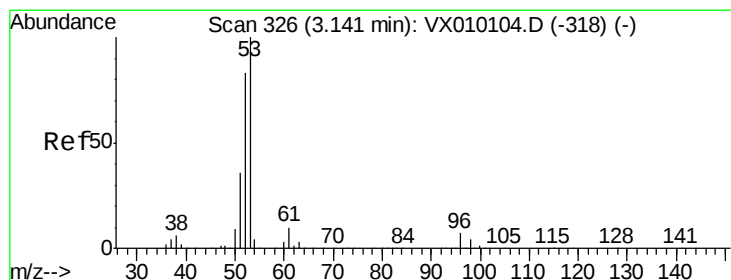
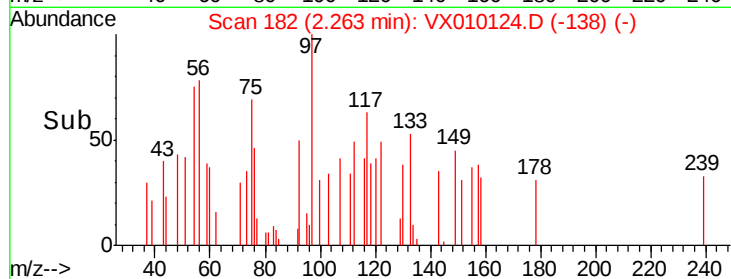
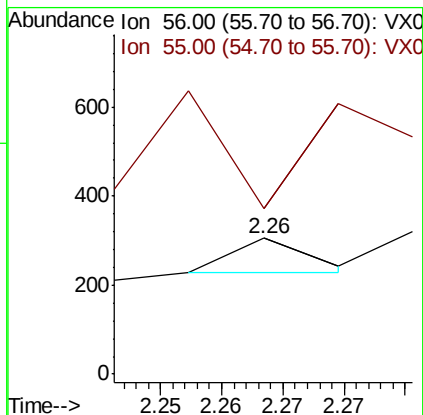
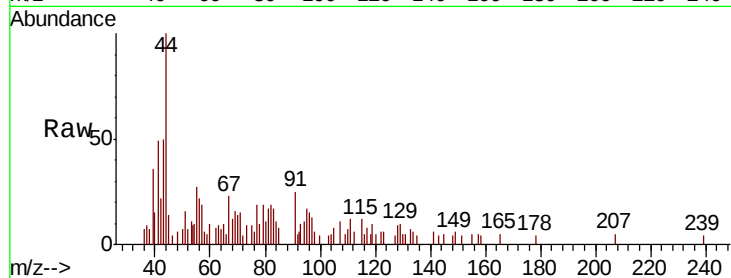
BPS1-TT-MW301I-20190605DL

Tot Ion: 56 Resp: 35

Ion Ratio Lower Upper

56 100

55 277.1 57.0 85.4#



#15

Acrylonitrile

Concen: 0.209 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX010124.D

Acq: 07 Jun 2019 21:21

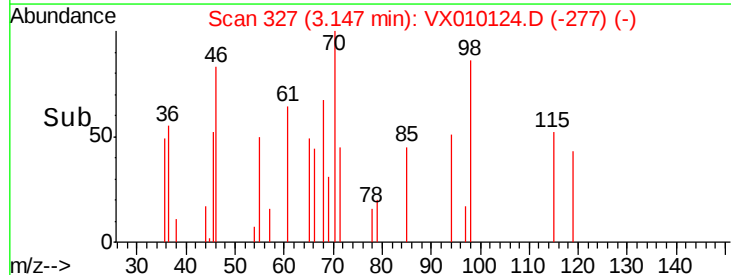
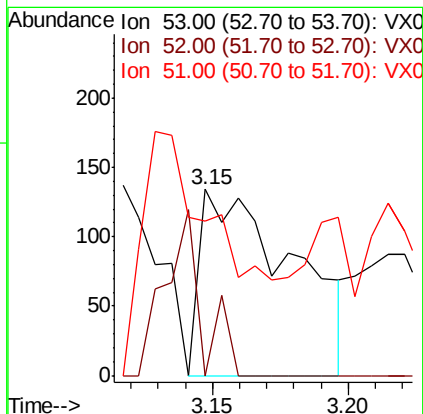
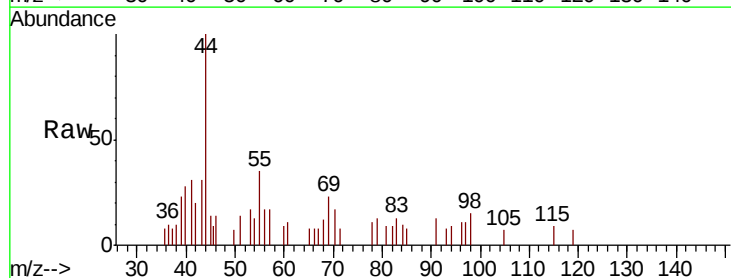
Tgt Ion: 53 Resp: 317

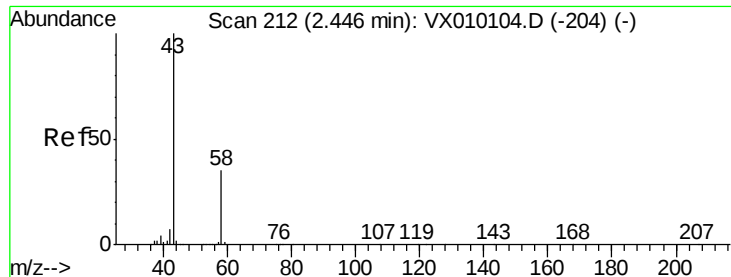
Ion Ratio Lower Upper

53 100

52 35.3 66.7 100.1#

51 0.0 28.8 43.2#

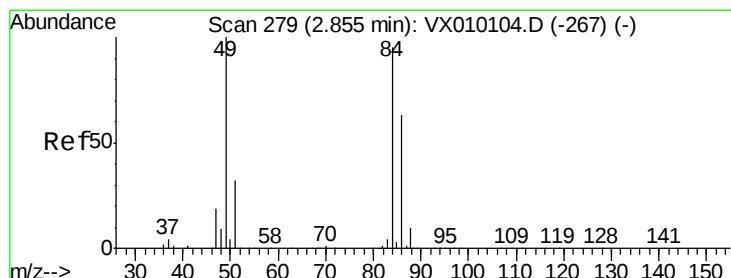
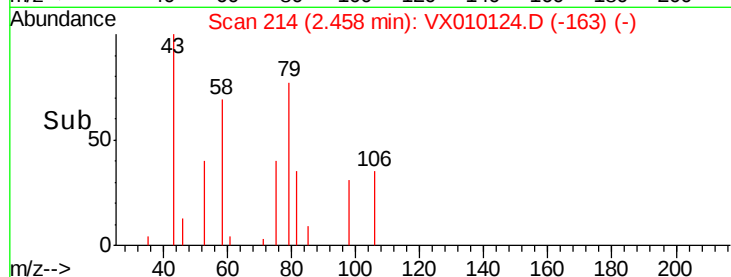
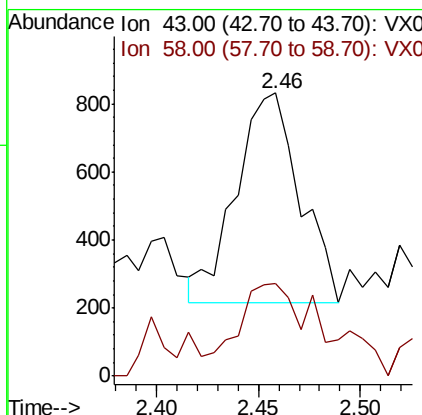
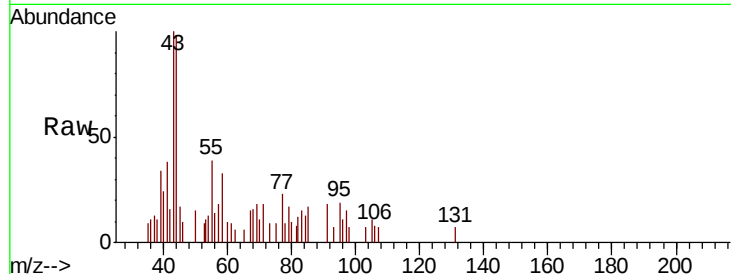




#16
Acetone
Concen: 0.945 ug/l
RT: 2.46 min Scan# 214
Delta R.T. 0.01 min
Lab File: VX010124.D
Acq: 07 Jun 2019 21:21

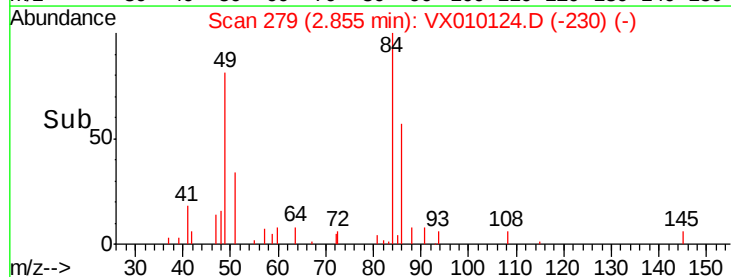
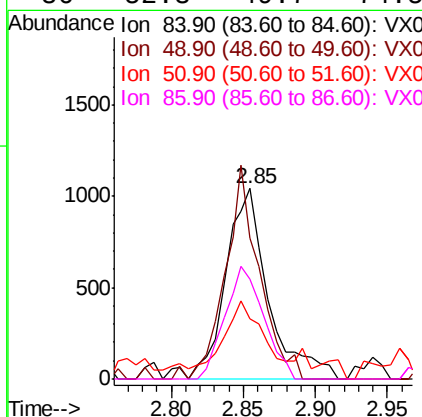
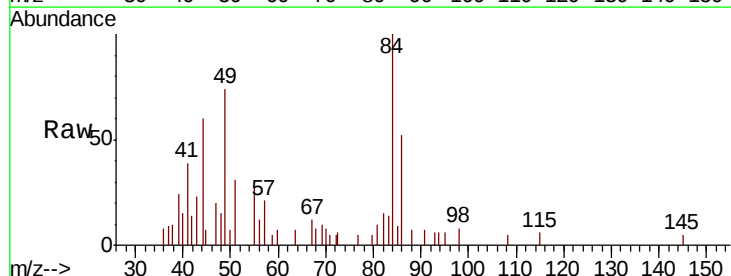
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW301I-20190605DL

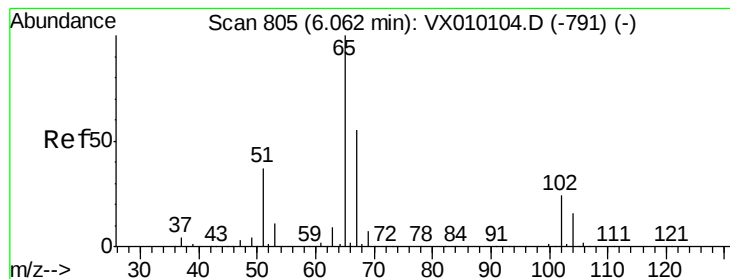
Tot Ion: 43 Resp: 1347
Ion Ratio Lower Upper
43 100
58 26.5 23.2 34.8



#20
Methylene Chloride
Concen: 0.685 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010124.D
Acq: 07 Jun 2019 21:21

Tgt Ion: 84 Resp: 2143
Ion Ratio Lower Upper
84 100
49 74.2 115.8 173.6#
51 25.8 34.4 51.6#
86 52.3 49.7 74.5





#33

1,2-Dichloroethane-d4

Concen: 46.441 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010124.D

Acq: 07 Jun 2019 21:21

Instrument :

MSVOA_X

ClientSampleId :

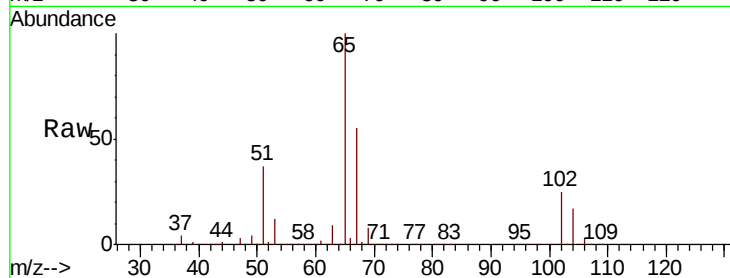
BPS1-TT-MW301I-20190605DL

Tot Ion: 65 Resp: 140717

Ion Ratio Lower Upper

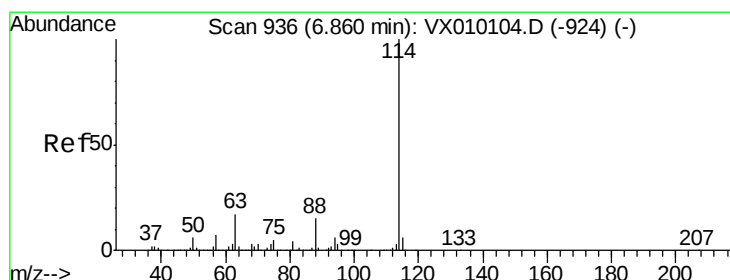
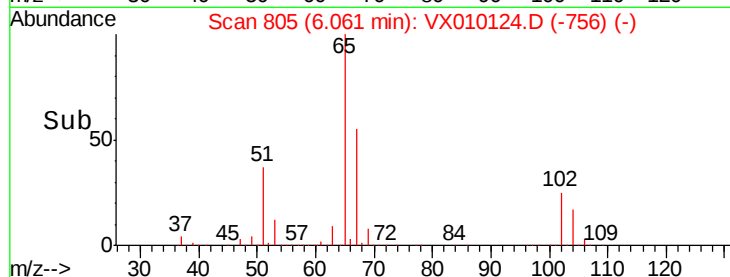
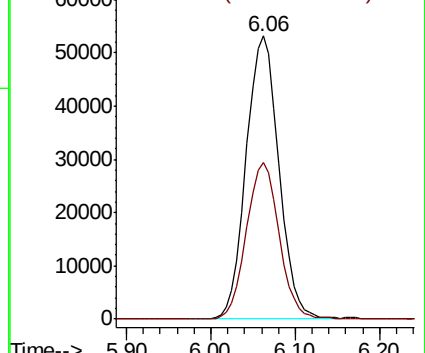
65 100

67 55.4 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: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX010124.D

Acq: 07 Jun 2019 21:21

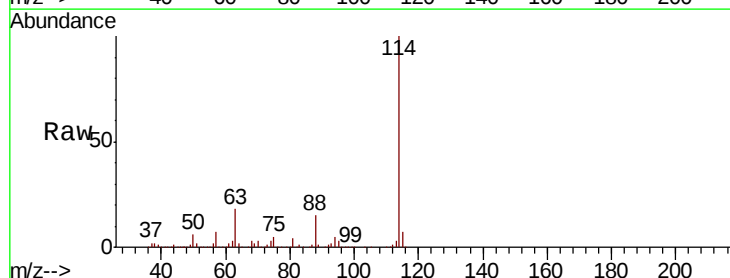
Tgt Ion: 114 Resp: 467177

Ion Ratio Lower Upper

114 100

63 17.8 0.0 47.4

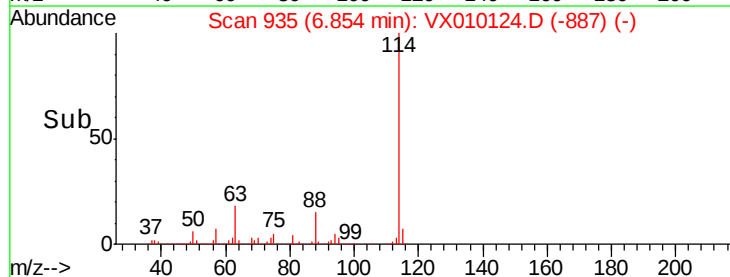
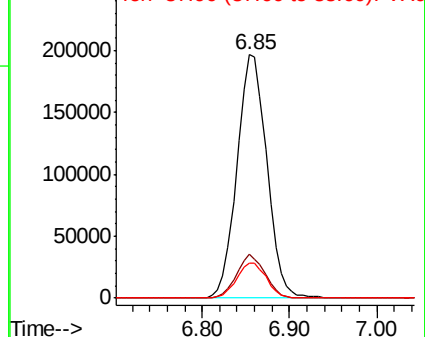
88 14.6 0.0 33.0

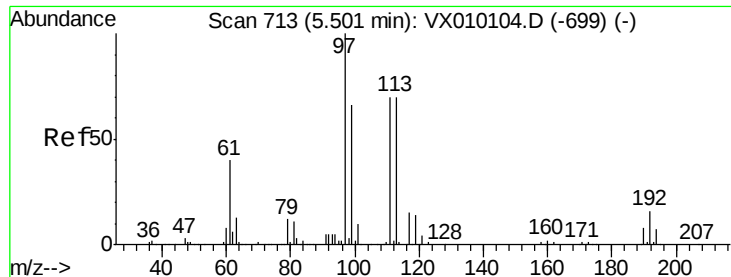


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

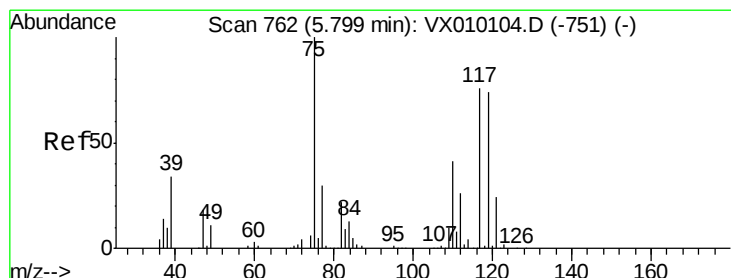
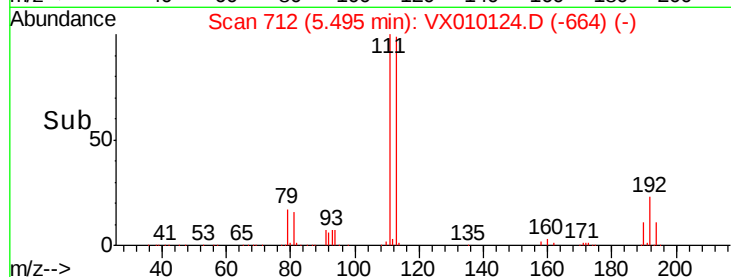
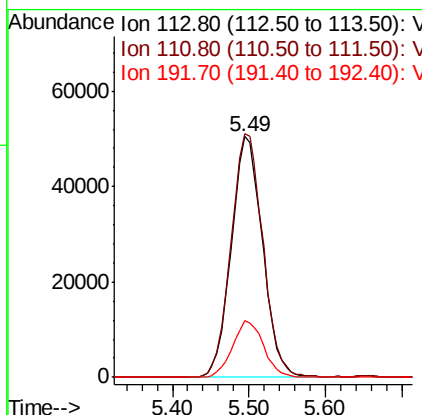
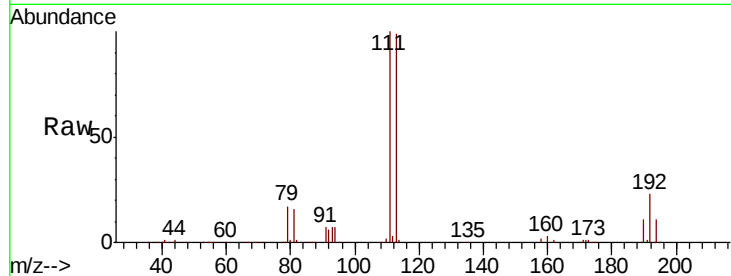




#35
 Dibromofluoromethane
 Concen: 49.661 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX010124.D
 Acq: 07 Jun 2019 21:21

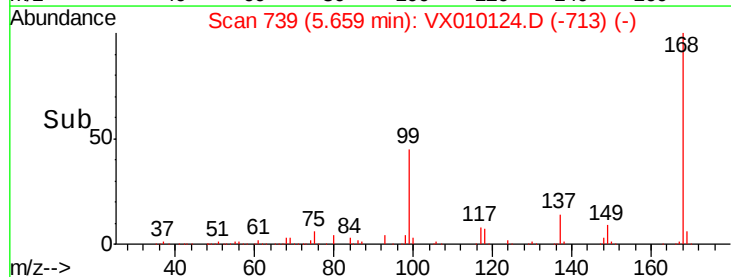
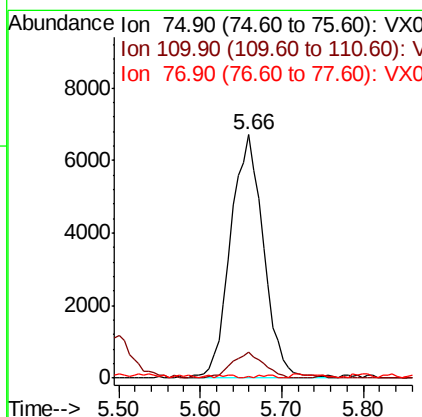
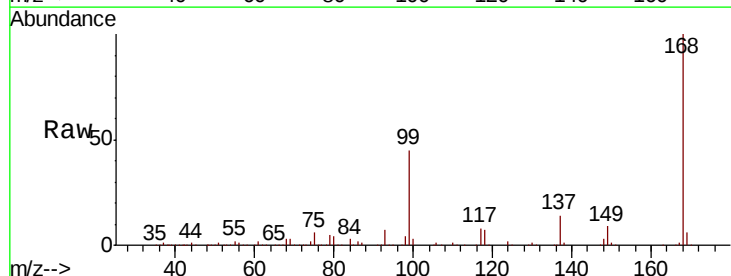
Instrument :
 MSVOA_X
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 BPS1-TT-MW301I-20190605DL

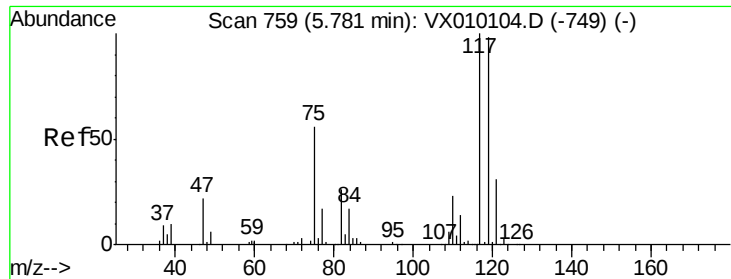
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.2	123.2
192	23.3	17.1	25.7



#36
 1,1-Dichloropropene
 Concen: 4.924 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010124.D
 Acq: 07 Jun 2019 21:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.2	16.7	50.1#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.230 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX010124.D

Acq: 07 Jun 2019 21:21

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW301I-20190605DL

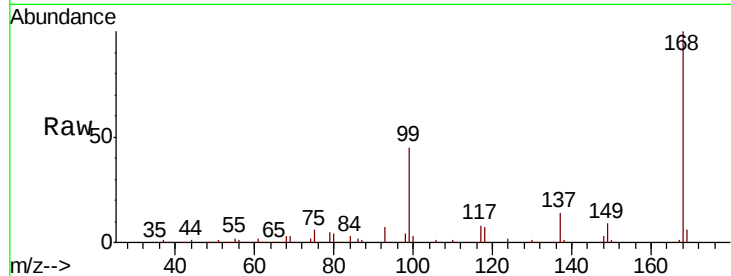
Tot Ion:117 Resp: 26879

Ion Ratio Lower Upper

117 100

119 5.6 77.3 115.9#

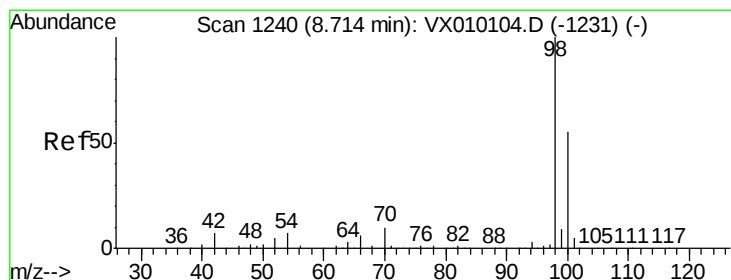
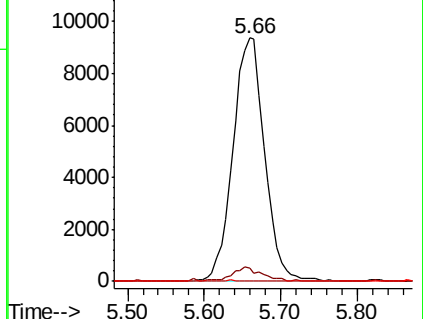
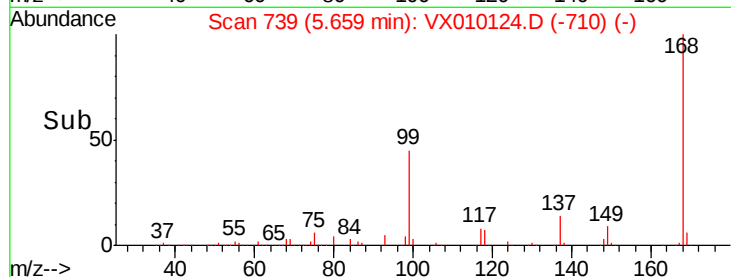
121 0.0 25.4 38.0#



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



#50

Toluene-d8

Concen: 51.155 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010124.D

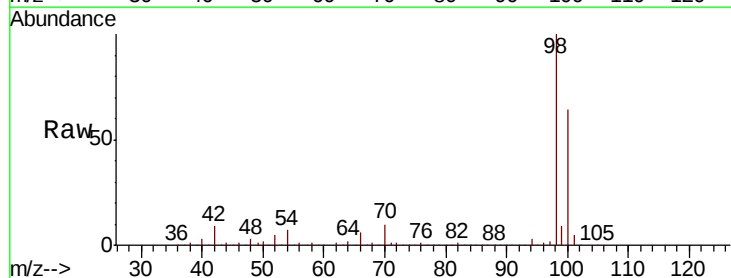
Acq: 07 Jun 2019 21:21

Tgt Ion: 98 Resp: 552471

Ion Ratio Lower Upper

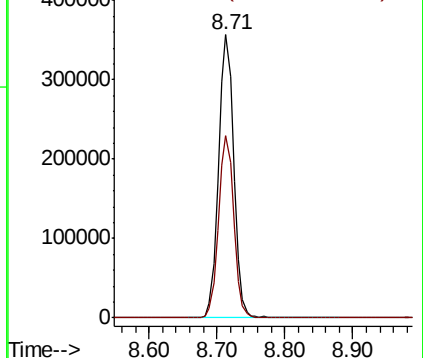
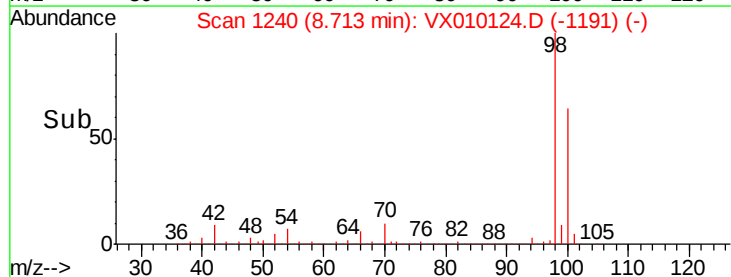
98 100

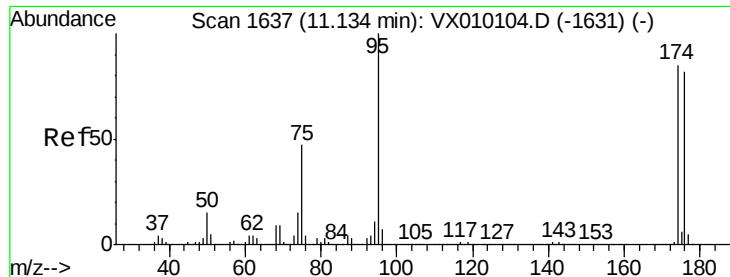
100 64.3 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 48.889 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010124.D

Acq: 07 Jun 2019 21:21

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW301I-20190605DL

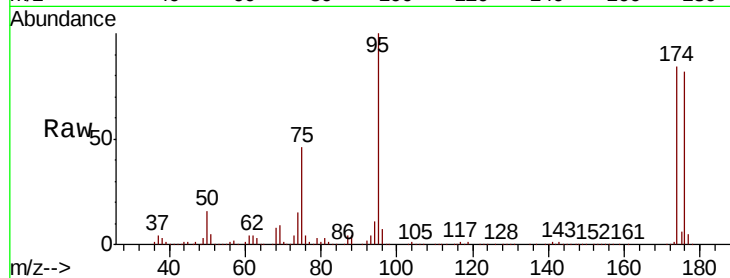
Tot Ion: 95 Resp: 197187

Ion Ratio Lower Upper

95 100

174 90.7 0.0 160.4

176 87.8 0.0 154.6

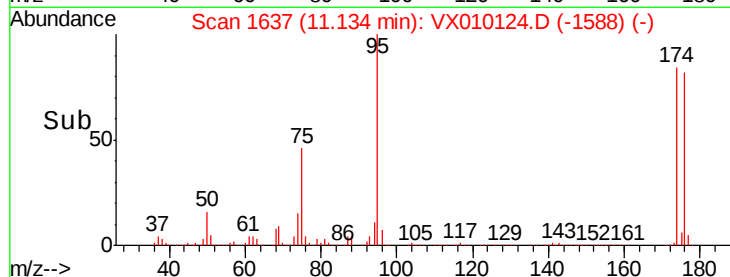


Abundance Ion 94.90 (94.60 to 95.60): VX0

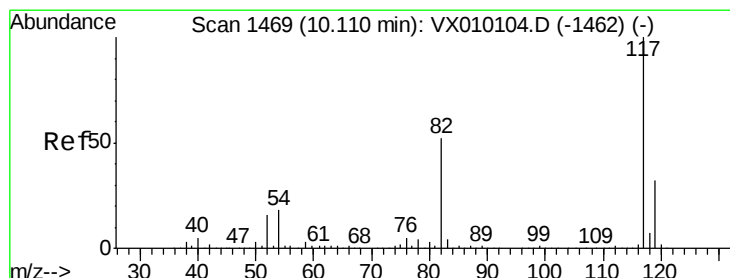
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

Time-->



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010124.D

Acq: 07 Jun 2019 21:21

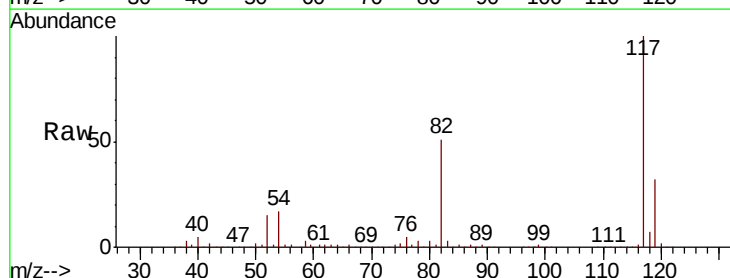
Tgt Ion: 117 Resp: 421739

Ion Ratio Lower Upper

117 100

82 50.5 49.2 73.8

119 32.2 25.2 37.8

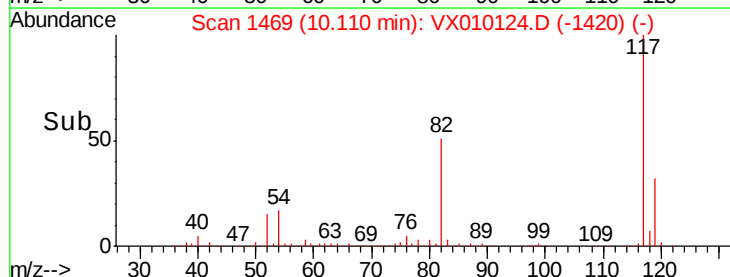


Abundance Ion 116.90 (116.60 to 117.60): V

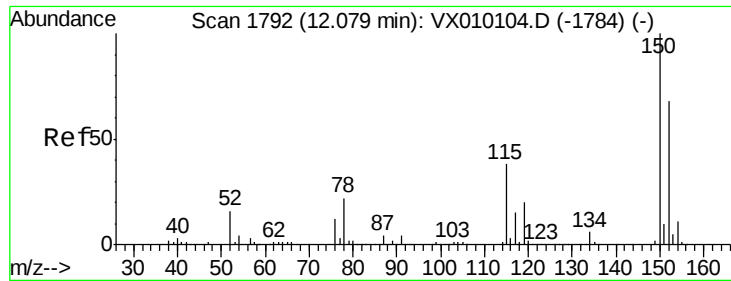
Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

Time-->



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010124.D

Acq: 07 Jun 2019 21:21

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW301I-20190605DL

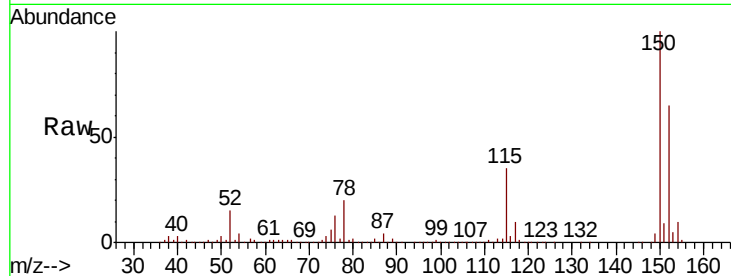
Tot Ion:152 Resp: 205022

Ion Ratio Lower Upper

152 100

115 54.5 41.4 124.2

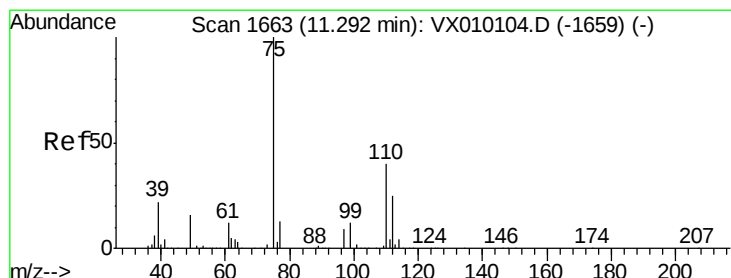
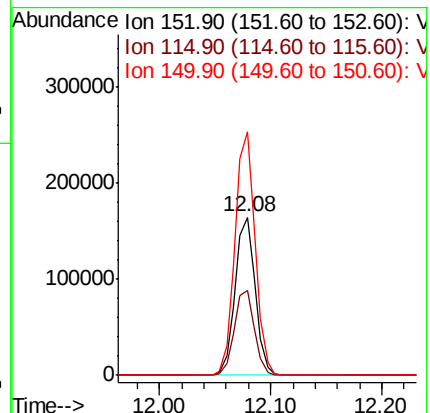
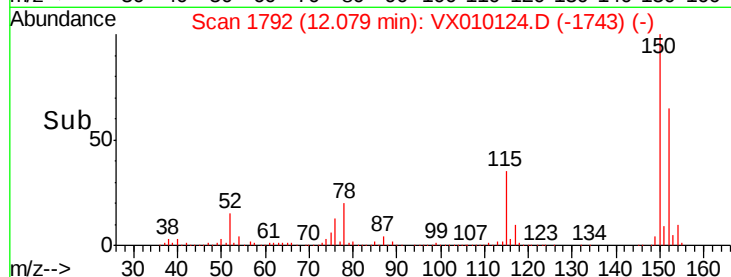
150 154.7 0.0 345.2



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



#76

1,2,3-Trichloropropane

Concen: 21.672 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010124.D

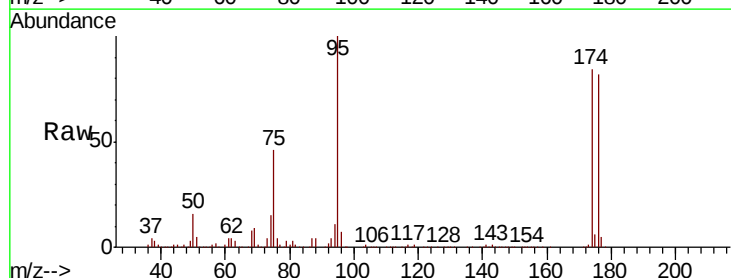
Acq: 07 Jun 2019 21:21

Tgt Ion: 75 Resp: 88874

Ion Ratio Lower Upper

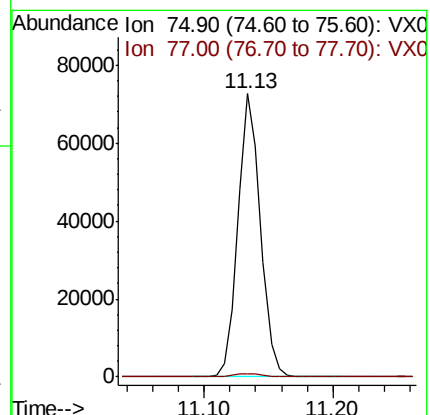
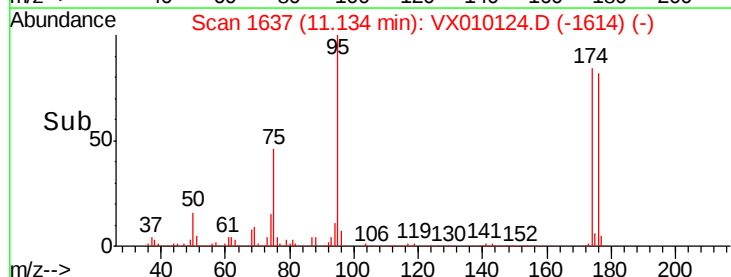
75 100

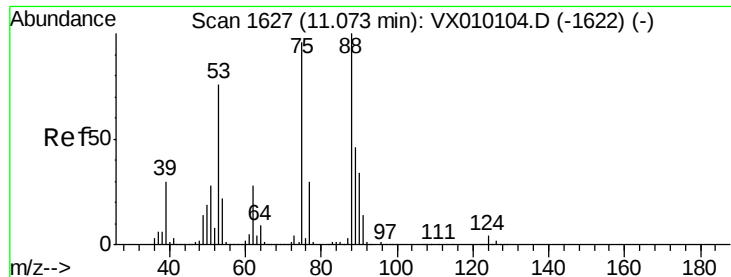
77 1.5 22.1 66.1#



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: 47.883 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010124.D
 Acq: 07 Jun 2019 21:21

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW301I-20190605DL

Tot Ion: 75 Resp: 88874
 Ion Ratio Lower Upper
 75 100
 53 0.2 79.8 119.6#
 89 0.0 34.2 51.4#

