

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060719\
 Data File : VX010126.D
 Acq On : 07 Jun 2019 22:07
 Operator : JC/SP
 Sample : K3221-13DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW301S-20190605DL

Quant Time: Jun 08 02:24:50 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	5.67	168	318175	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	482171	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	431161	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	202139	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	143614	46.24	ug/l	0.00
Spiked Amount			Recovery	=	92.48%	
35) Dibromofluoromethane	5.50	113	149429	50.24	ug/l	0.00
Spiked Amount			Recovery	=	100.48%	
50) Toluene-d8	8.71	98	569252	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	
62) 4-Bromofluorobenzene	11.13	95	200145	48.08	ug/l	0.00
Spiked Amount			Recovery	=	96.16%	

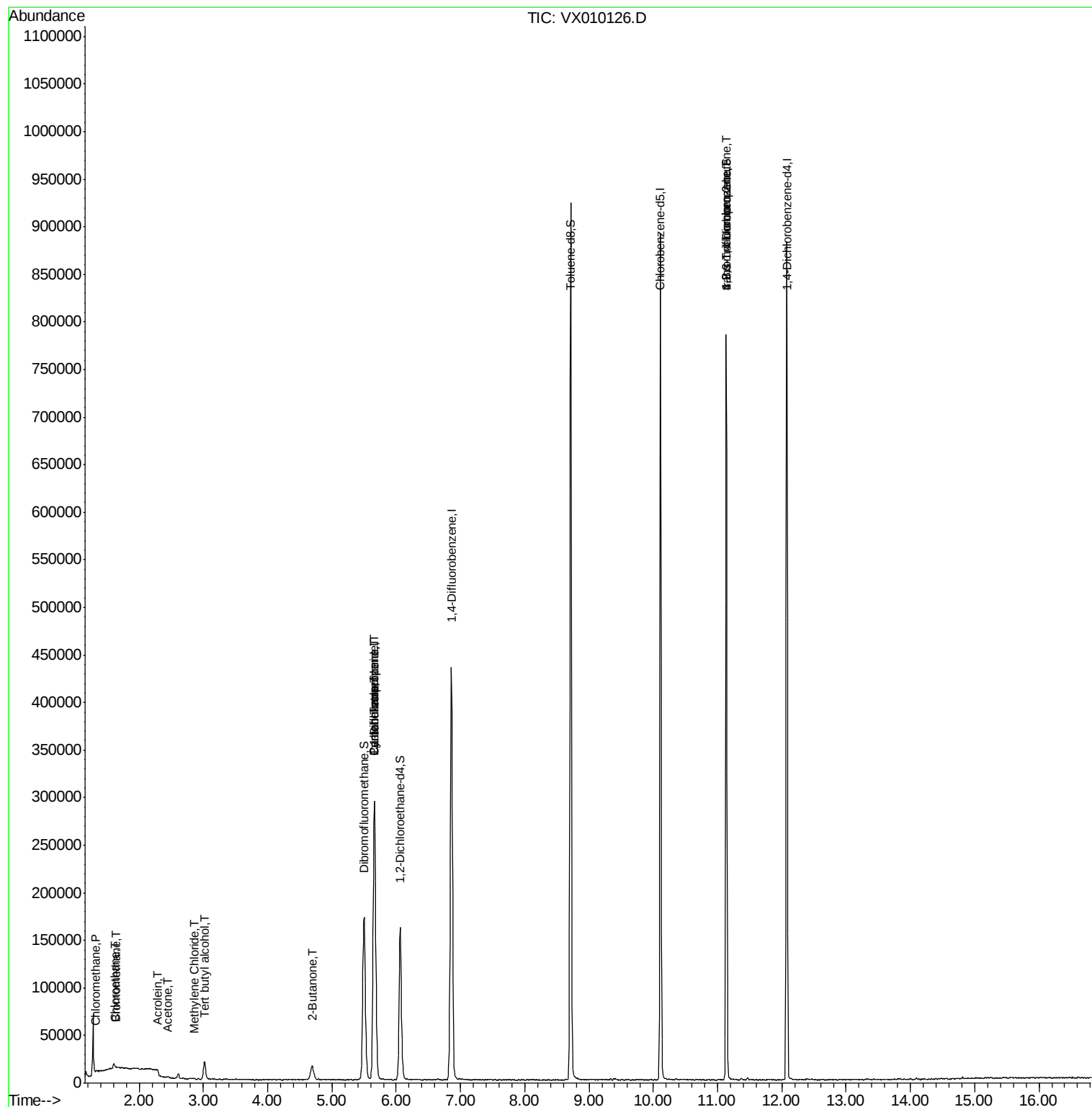
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	657	0.226	ug/l #	75
5) Bromomethane	1.65	94	243	0.236	ug/l #	63
6) Chloroethane	1.64	64	935	0.679	ug/l #	53
11) Tert butyl alcohol	3.02	59	11013	14.475	ug/l #	78
13) Acrolein	2.28	56	333	2.400	ug/l #	1
16) Acetone	2.45	43	1635	1.119	ug/l #	65
20) Methylene Chloride	2.87	84	808	0.252	ug/l #	40
25) 2-Butanone	4.69	43	845	0.388	ug/l #	74
31) Cyclohexane	5.67	56	4644	1.028	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	18463	4.693	ug/l #	53
38) Carbon Tetrachloride	5.66	117	27530	6.183	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	90694	22.431	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	90694	49.561	ug/l #	10

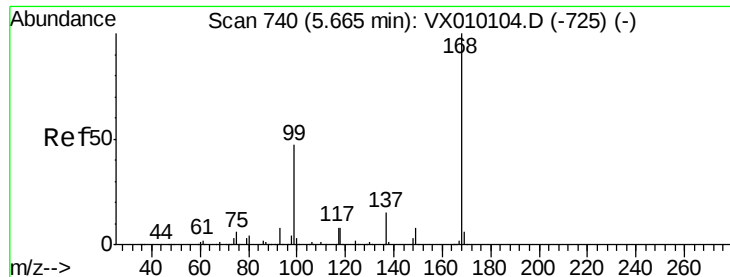
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jun 08 02:12:13 2019
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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: VX010126.D

Acq: 07 Jun 2019 22:07

Instrument :

MSVOA_X

ClientSampleId :

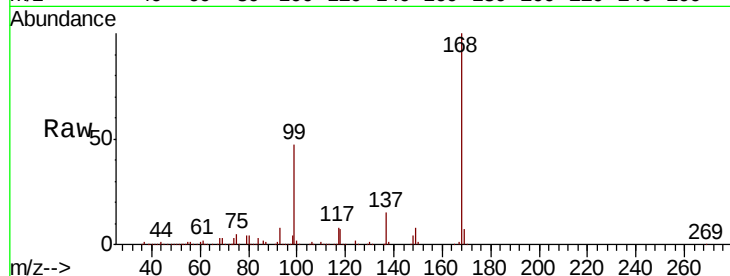
BPS1-TT-MW301S-20190605DL

Tot Ion:168 Resp: 318175

Ion Ratio Lower Upper

168 100

99 47.0 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

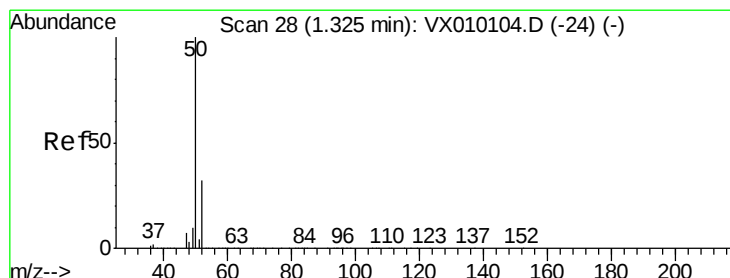
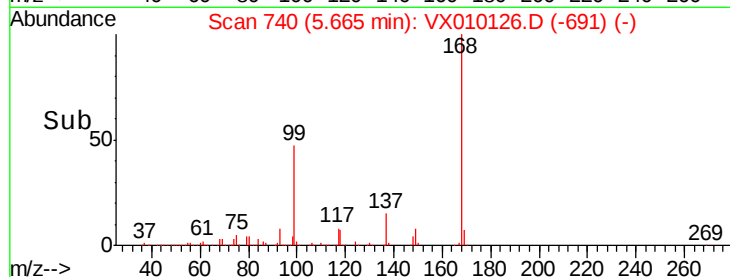
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.226 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX010126.D

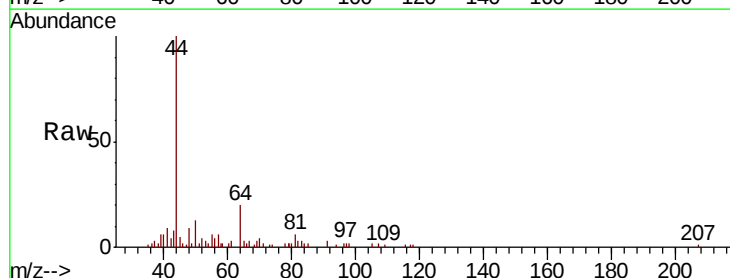
Acq: 07 Jun 2019 22:07

Tgt Ion: 50 Resp: 657

Ion Ratio Lower Upper

50 100

52 18.6 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

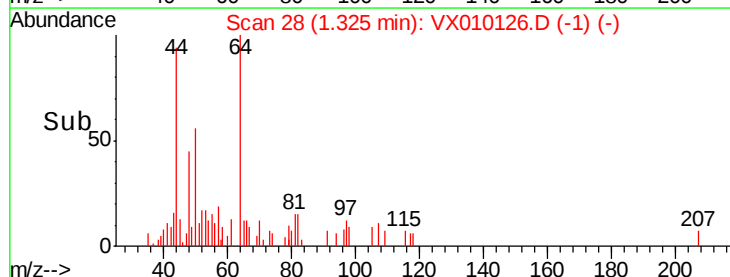
600

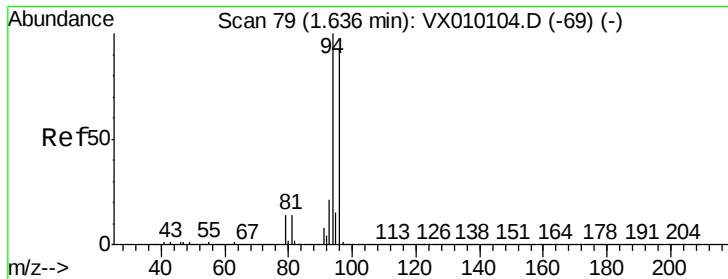
400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.236 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010126.D

Acq: 07 Jun 2019 22:07

Instrument :

MSVOA_X

ClientSampleId :

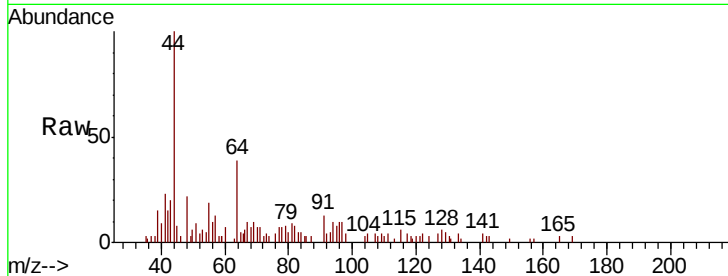
BPS1-TT-MW301S-20190605DL

Tot Ion: 94 Resp: 243

Ion Ratio Lower Upper

94 100

96 131.5 76.2 114.4#

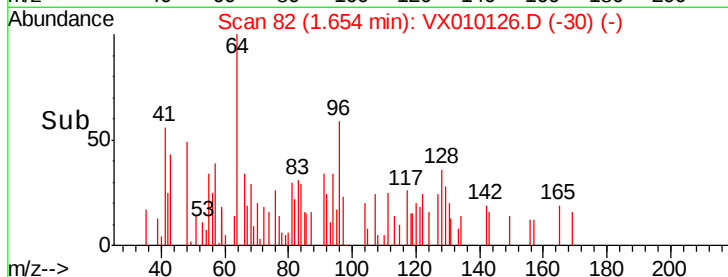


Abundance Ion 93.90 (93.60 to 94.60): VX0

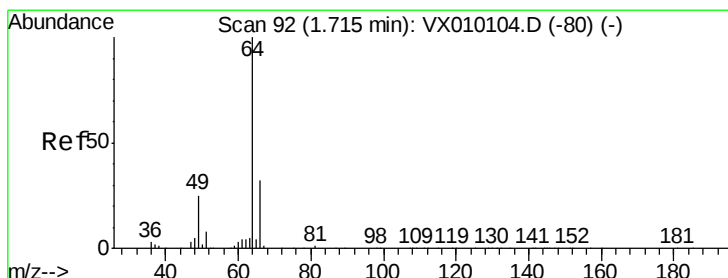
Ion 95.90 (95.60 to 96.60): VX0

1.65

Time-->



Time-->



#6

Chloroethane

Concen: 0.679 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.08 min

Lab File: VX010126.D

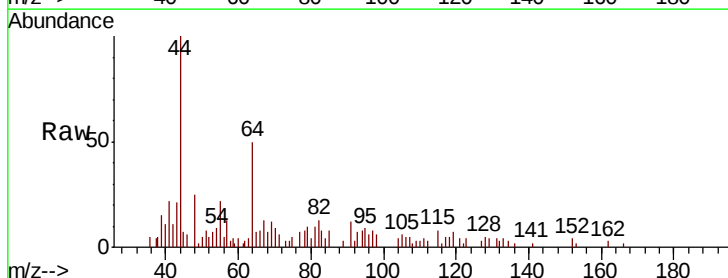
Acq: 07 Jun 2019 22:07

Tgt Ion: 64 Resp: 935

Ion Ratio Lower Upper

64 100

66 5.6 25.1 37.7#

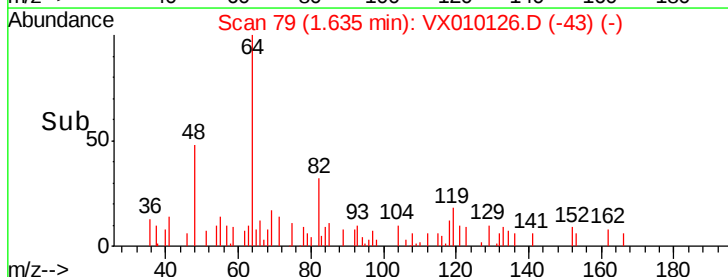


Abundance Ion 63.90 (63.60 to 64.60): VX0

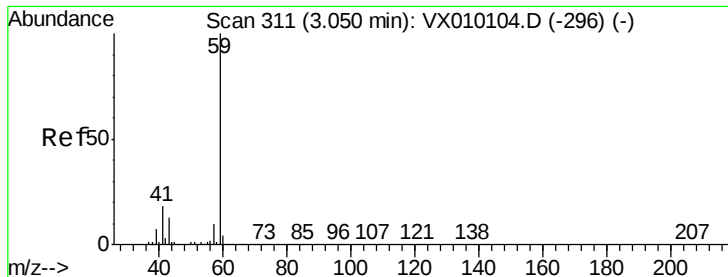
Ion 65.90 (65.60 to 66.60): VX0

1.64

Time-->



Time-->

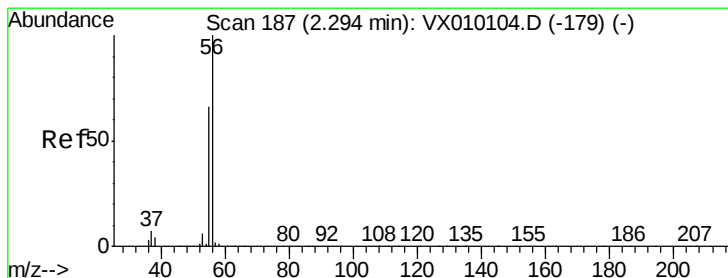
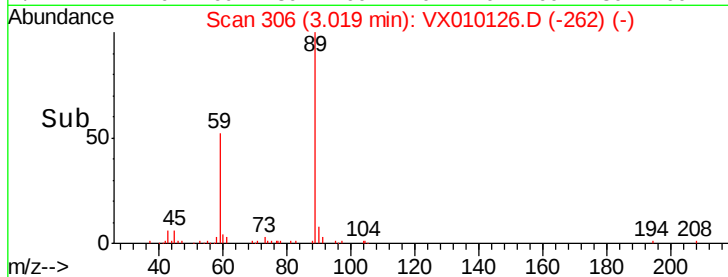
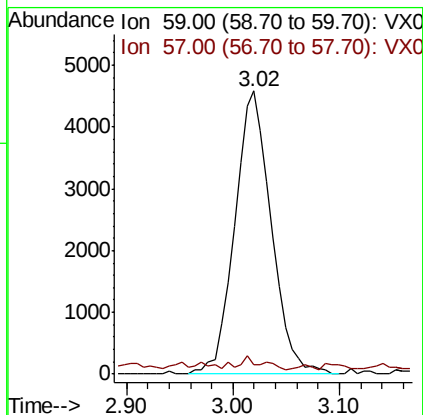
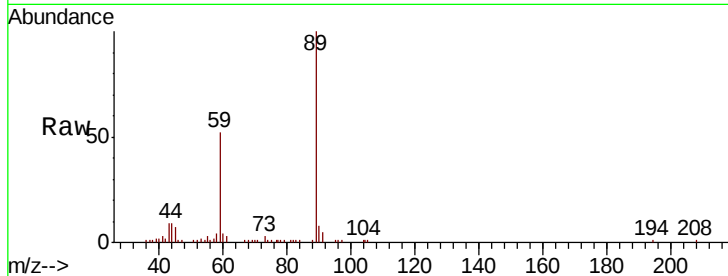


#11

Tert butyl alcohol
 Concen: 14.475 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX010126.D
 Acq: 07 Jun 2019 22:07

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW301S-20190605DL

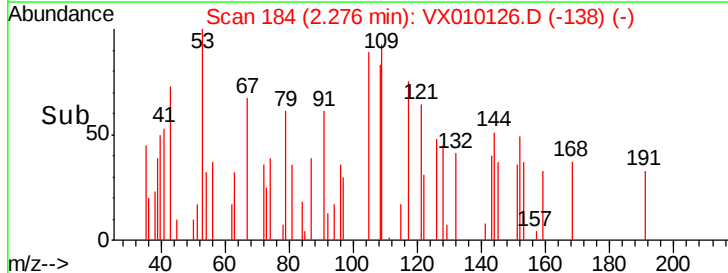
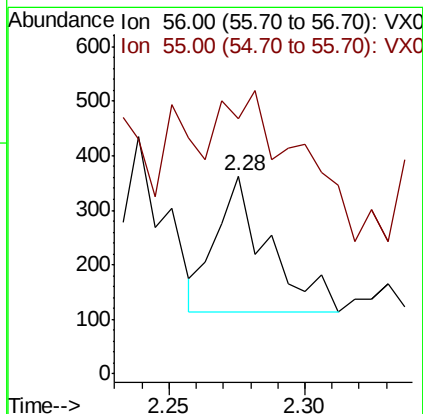
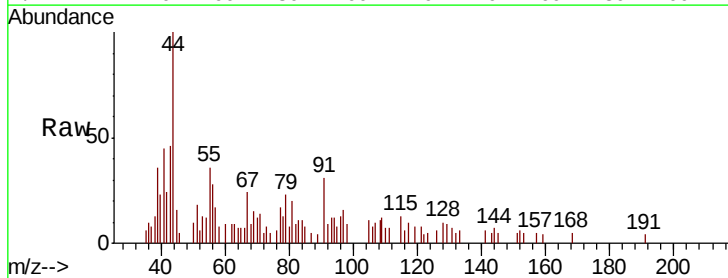
Tot Ion: 59 Resp: 11013
 Ion Ratio Lower Upper
 59 100
 57 2.1 8.2 12.2#

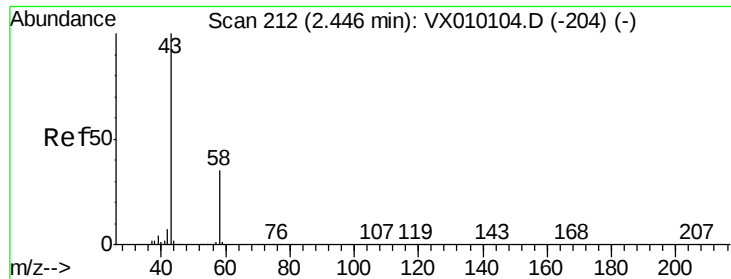


#13

Acrolein
 Concen: 2.400 ug/l
 RT: 2.28 min Scan# 184
 Delta R.T. -0.02 min
 Lab File: VX010126.D
 Acq: 07 Jun 2019 22:07

Tgt Ion: 56 Resp: 333
 Ion Ratio Lower Upper
 56 100
 55 163.4 57.0 85.4#





#16

Acetone

Concen: 1.119 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX010126.D

Acq: 07 Jun 2019 22:07

Instrument :

MSVOA_X

ClientSampleId :

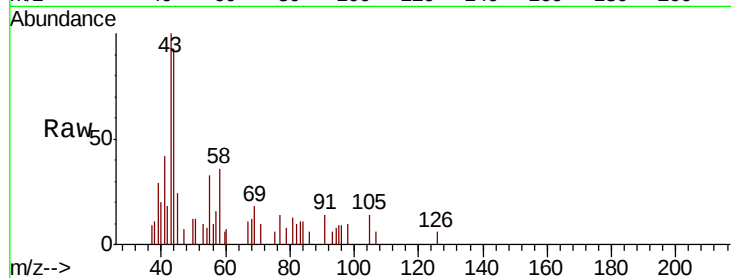
BPS1-TT-MW301S-20190605DL

Tot Ion: 43 Resp: 1635

Ion Ratio Lower Upper

43 100

58 47.5 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

800

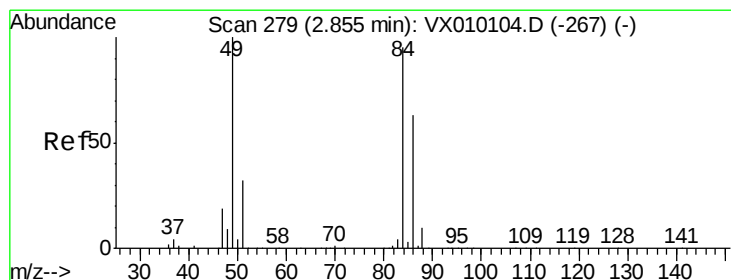
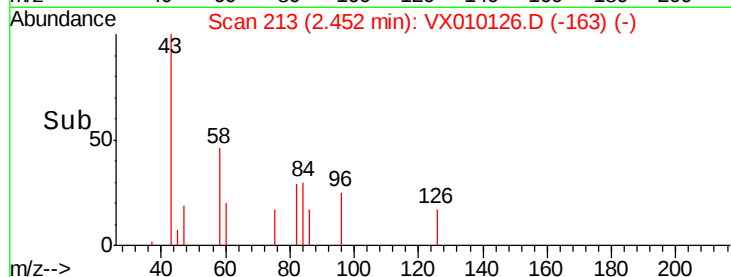
600

400

200

0

Time--> 2.35 2.40 2.45 2.50 2.55



#20

Methylene Chloride

Concen: 0.252 ug/l

RT: 2.87 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX010126.D

Acq: 07 Jun 2019 22:07

Tgt Ion: 84 Resp: 808

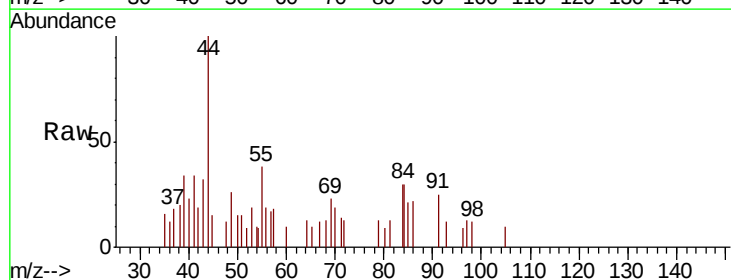
Ion Ratio Lower Upper

84 100

49 42.9 115.8 173.6#

51 25.8 34.4 51.6#

86 37.1 49.7 74.5#



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

500

400

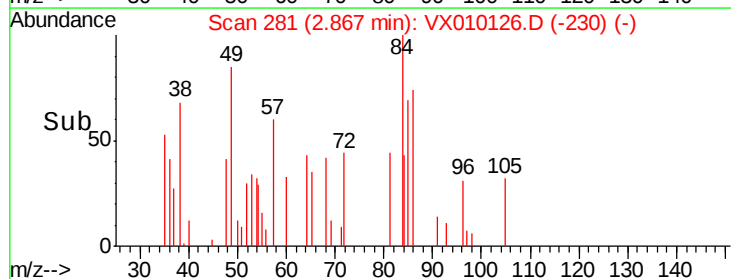
300

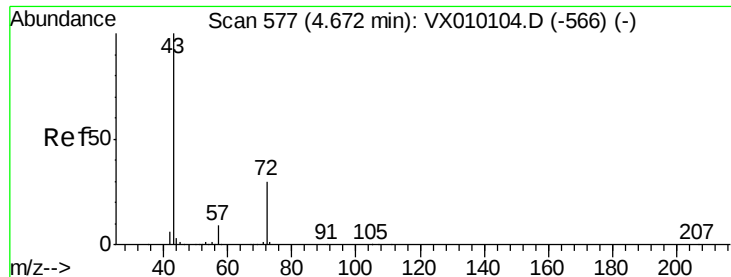
200

100

0

Time--> 2.80 2.85 2.90





#25

2-Butanone

Concen: 0.388 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.02 min

Lab File: VX010126.D

Acq: 07 Jun 2019 22:07

Instrument :

MSVOA_X

ClientSampleId :

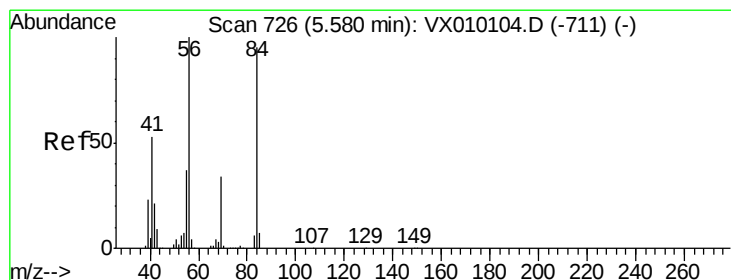
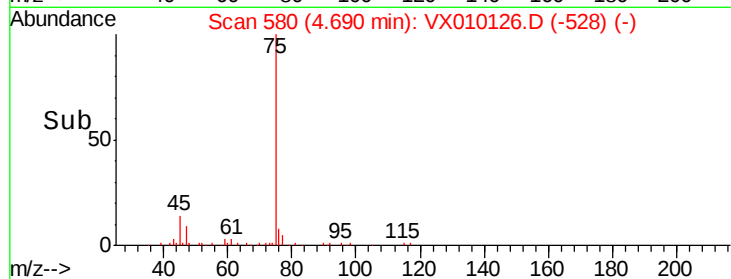
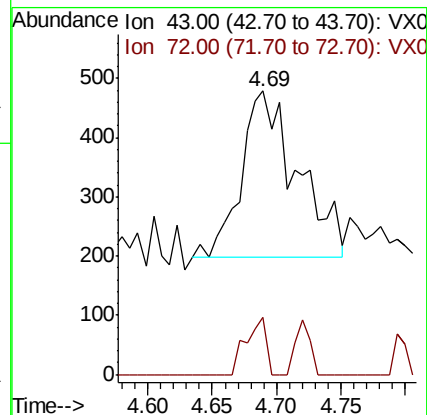
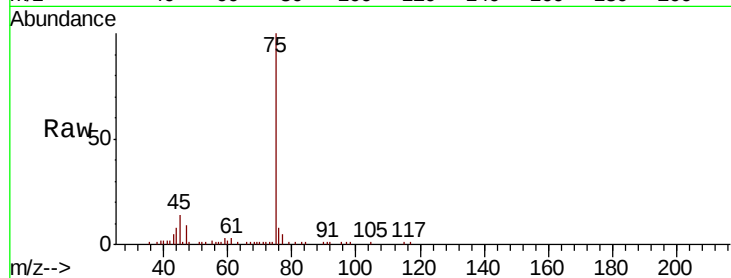
BPS1-TT-MW301S-20190605DL

Tot Ion: 43 Resp: 845

Ion Ratio Lower Upper

43 100

72 34.3 17.5 26.3#



#31

Cyclohexane

Concen: 1.028 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX010126.D

Acq: 07 Jun 2019 22:07

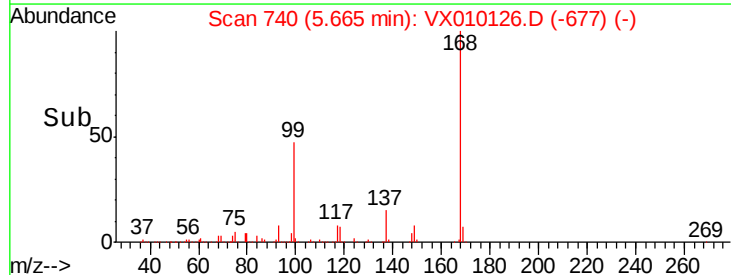
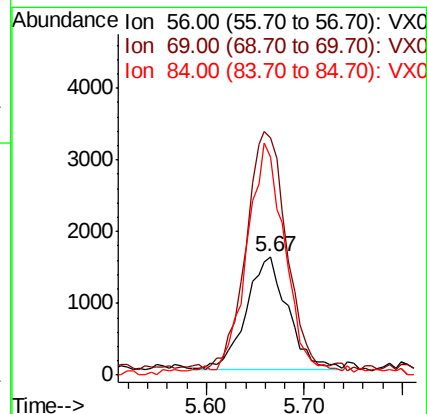
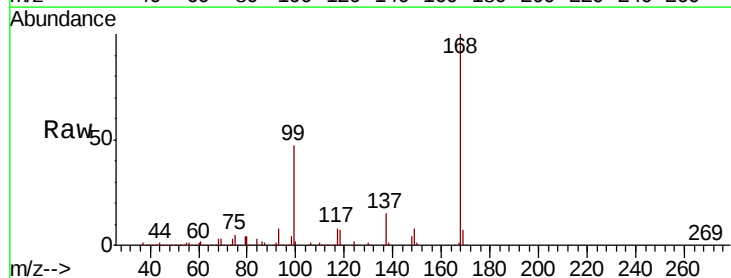
Tgt Ion: 56 Resp: 4644

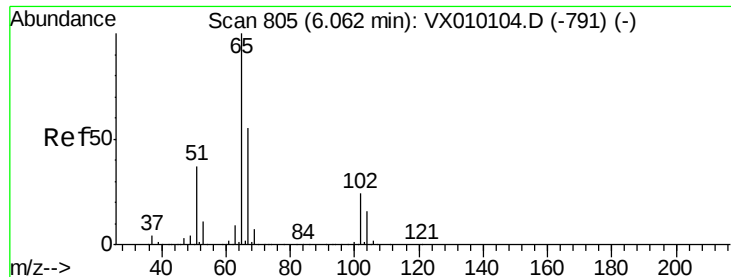
Ion Ratio Lower Upper

56 100

69 202.9 21.6 32.4#

84 191.3 56.8 85.2#





#33

1,2-Dichloroethane-d4

Concen: 46.241 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010126.D

Acq: 07 Jun 2019 22:07

Instrument :

MSVOA_X

ClientSampleId :

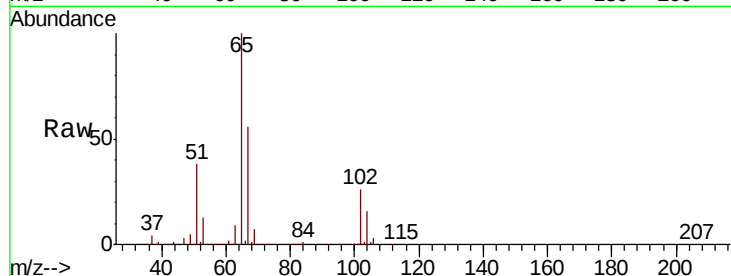
BPS1-TT-MW301S-20190605DL

Tot Ion: 65 Resp: 143614

Ion Ratio Lower Upper

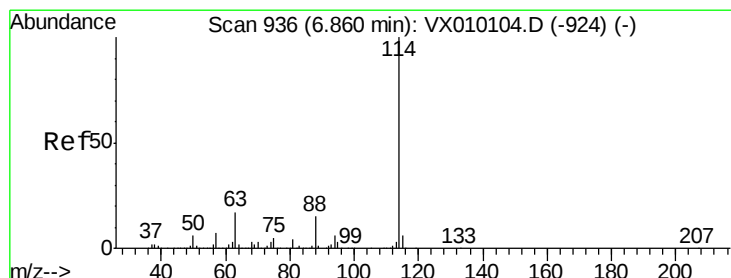
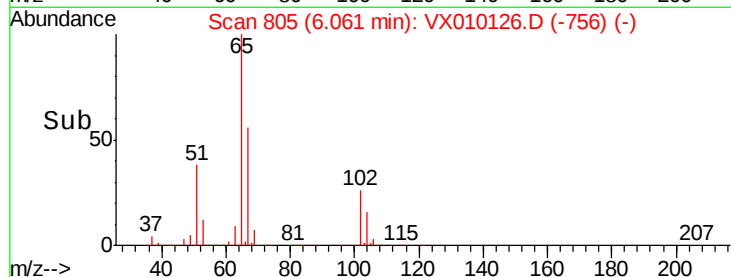
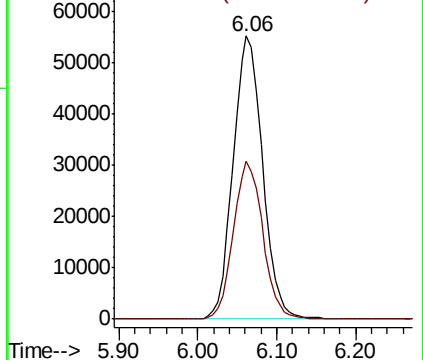
65 100

67 55.3 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: VX010126.D

Acq: 07 Jun 2019 22:07

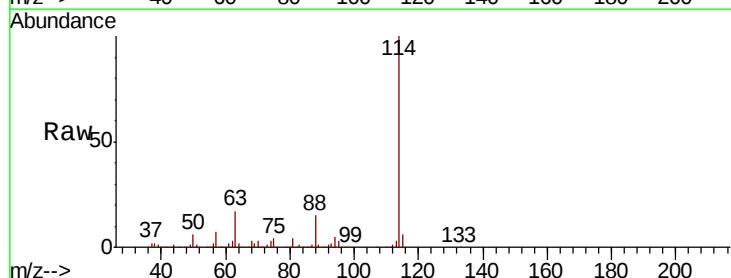
Tgt Ion: 114 Resp: 482171

Ion Ratio Lower Upper

114 100

63 17.3 0.0 47.4

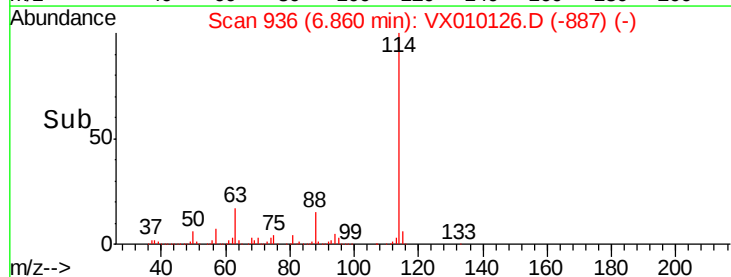
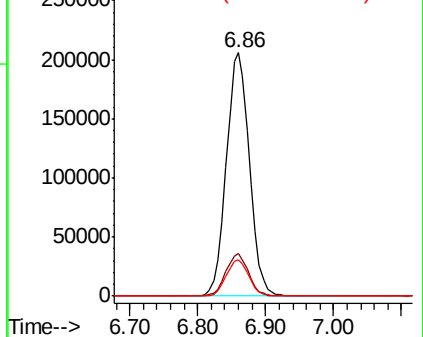
88 15.0 0.0 33.0

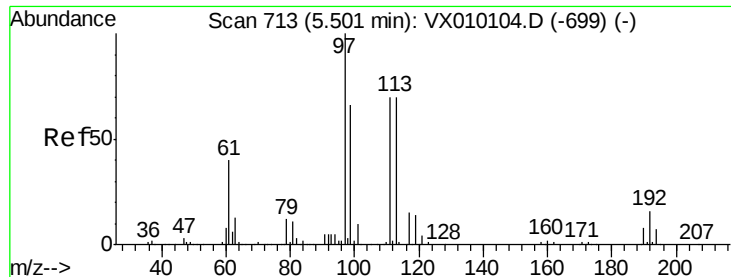


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

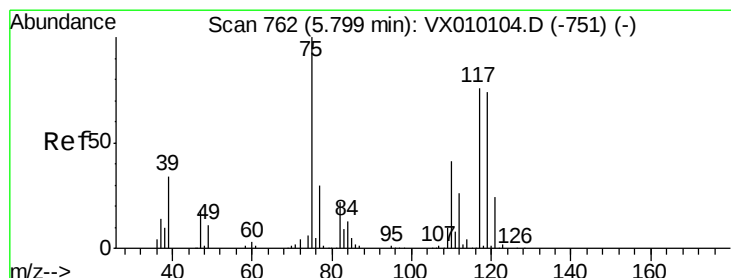
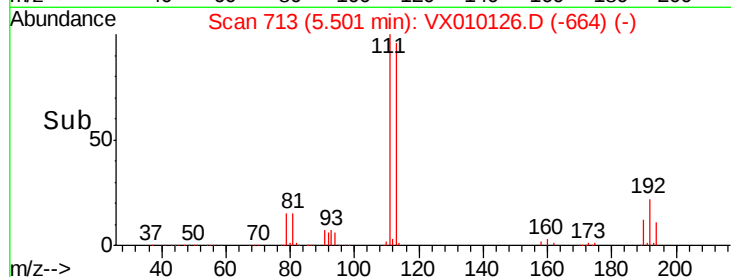
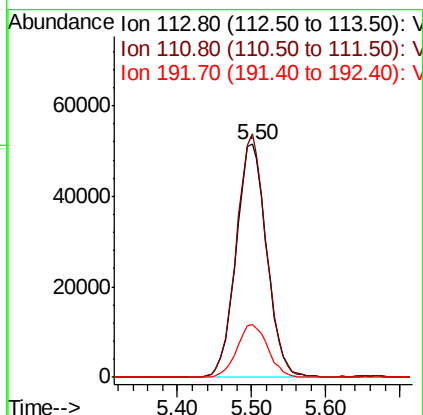
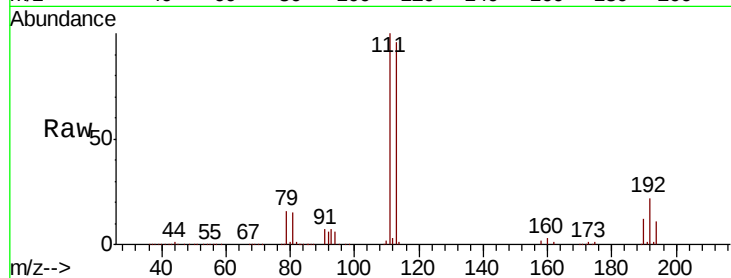




#35
Dibromofluoromethane
Concen: 50.243 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX010126.D
Acq: 07 Jun 2019 22:07

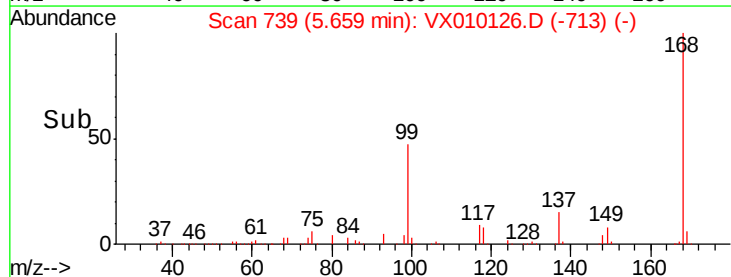
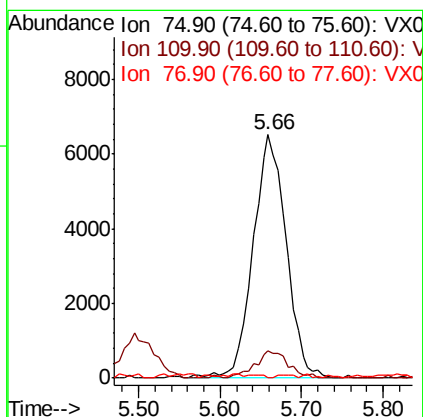
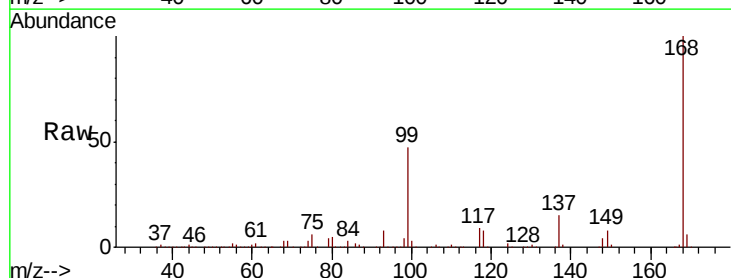
Instrument :
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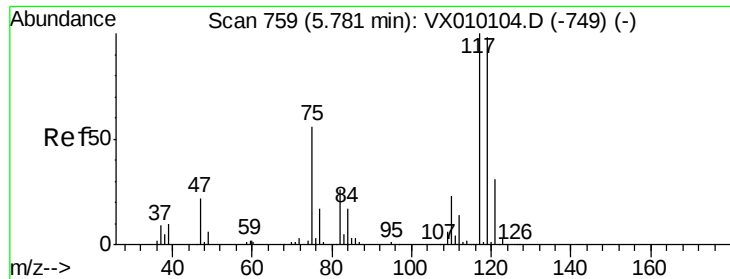
Tot Ion:113 Resp: 149429
Ion Ratio Lower Upper
113 100
111 101.5 82.2 123.2
192 22.9 17.1 25.7



#36
1,1-Dichloropropene
Concen: 4.693 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.14 min
Lab File: VX010126.D
Acq: 07 Jun 2019 22:07

Tgt Ion: 75 Resp: 18463
Ion Ratio Lower Upper
75 100
110 11.2 16.7 50.1#
77 0.7 25.0 37.4#

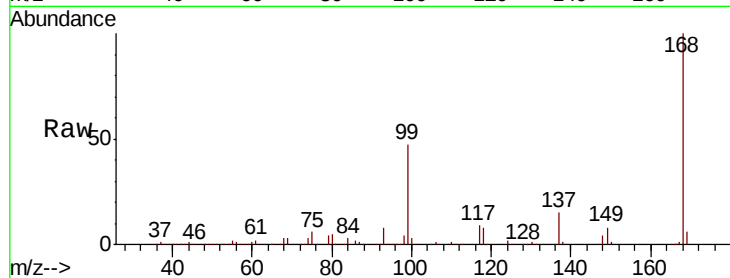




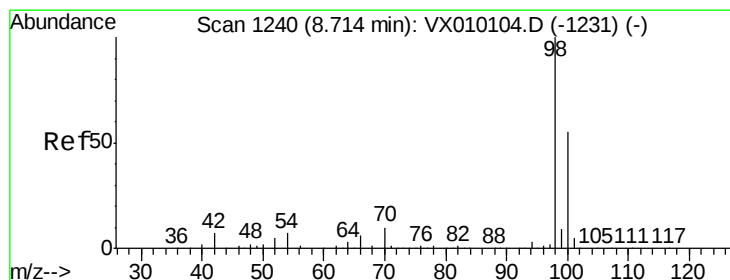
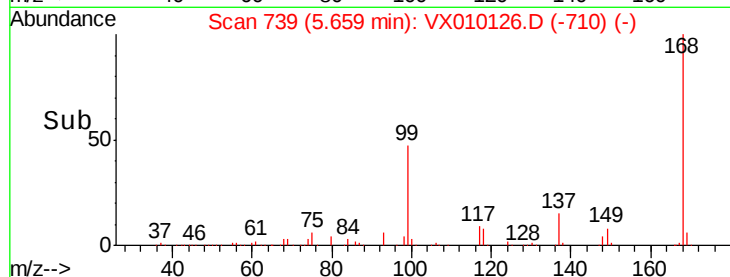
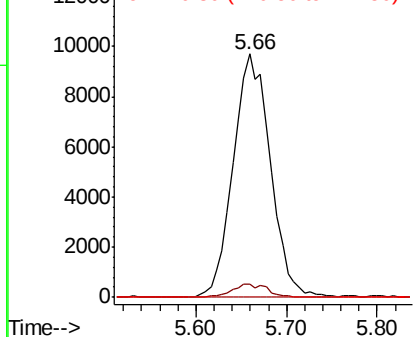
#38
Carbon Tetrachloride
Concen: 6.183 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX010126.D
Acq: 07 Jun 2019 22:07

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW301S-20190605DL

Tot Ion:117 Resp: 27530
Ion Ratio Lower Upper
117 100
119 5.6 77.3 115.9#
121 0.0 25.4 38.0#

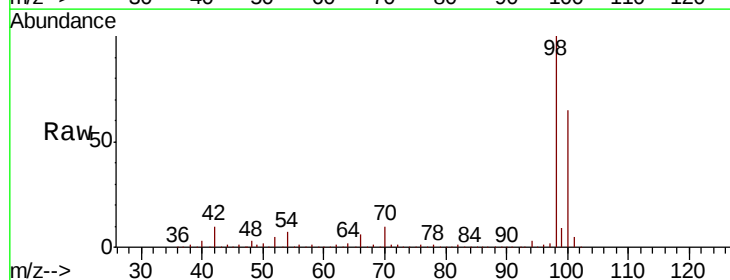


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

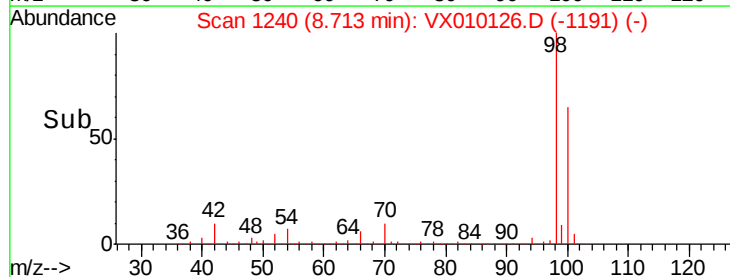
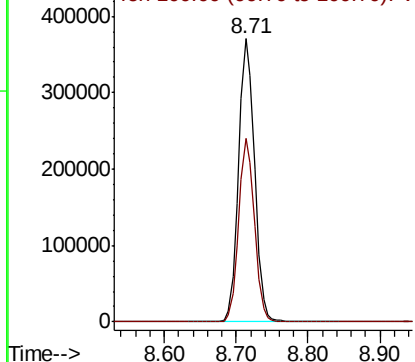


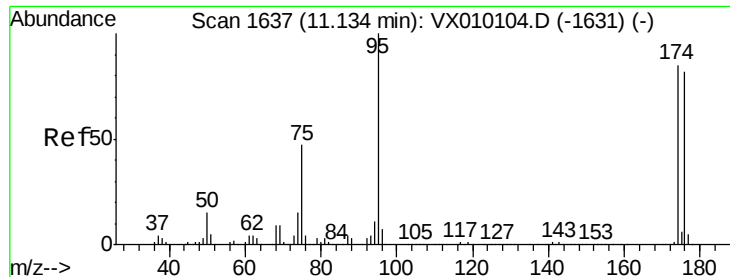
#50
Toluene-d8
Concen: 51.069 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010126.D
Acq: 07 Jun 2019 22:07

Tgt Ion: 98 Resp: 569252
Ion Ratio Lower Upper
98 100
100 64.1 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: 48.079 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010126.D

Acq: 07 Jun 2019 22:07

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW301S-20190605DL

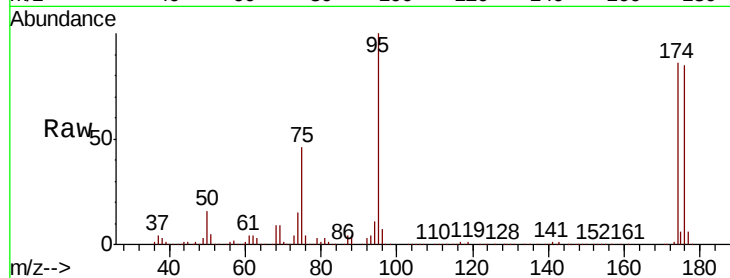
Tot Ion: 95 Resp: 200145

Ion Ratio Lower Upper

95 100

174 91.0 0.0 160.4

176 88.4 0.0 154.6

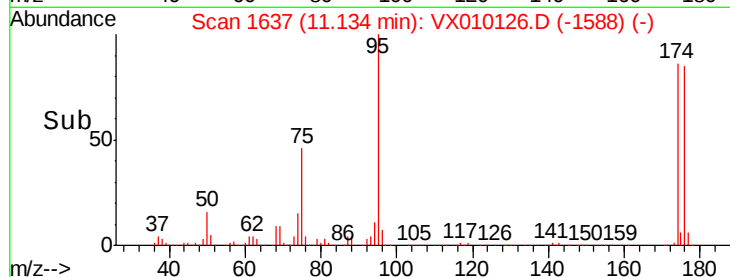


Abundance Ion 94.90 (94.60 to 95.60): VX010104.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010104.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010104.D (-1631) (-)

Time-->

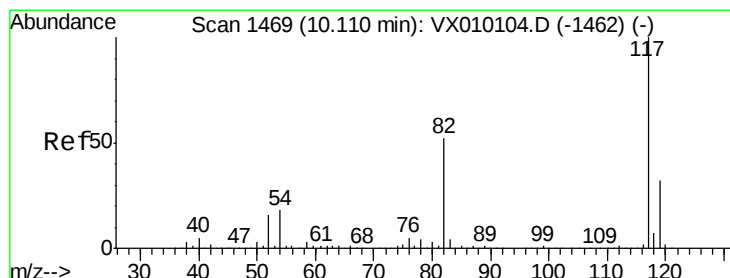


Abundance Ion 94.90 (94.60 to 95.60): VX010126.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX010126.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX010126.D (-1588) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010126.D

Acq: 07 Jun 2019 22:07

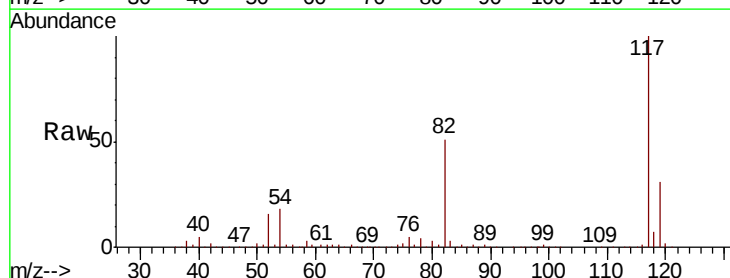
Tgt Ion: 117 Resp: 431161

Ion Ratio Lower Upper

117 100

82 51.3 49.2 73.8

119 31.4 25.2 37.8

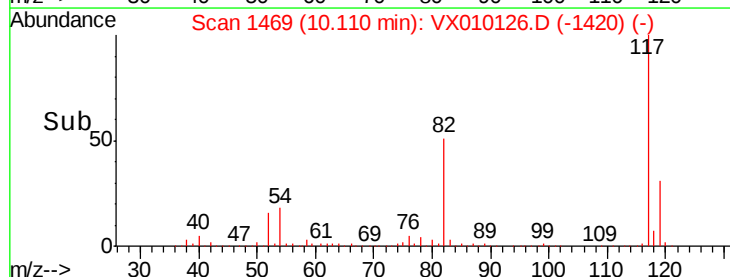


Abundance Ion 116.90 (116.60 to 117.60): VX010104.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010104.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010104.D (-1462) (-)

Time-->

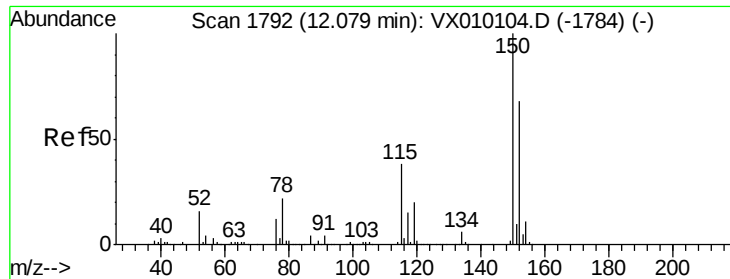


Abundance Ion 116.90 (116.60 to 117.60): VX010126.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX010126.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX010126.D (-1420) (-)

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: VX010126.D

Acq: 07 Jun 2019 22:07

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW301S-20190605DL

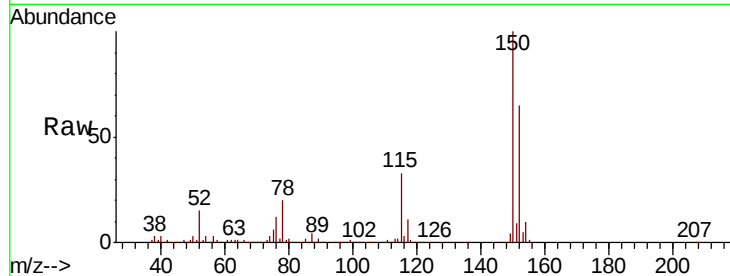
Tot Ion:152 Resp: 202139

Ion Ratio Lower Upper

152 100

115 54.4 41.4 124.2

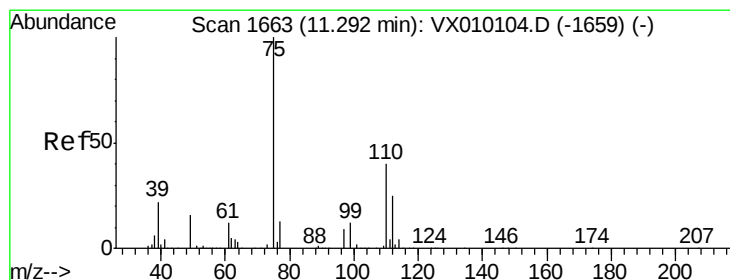
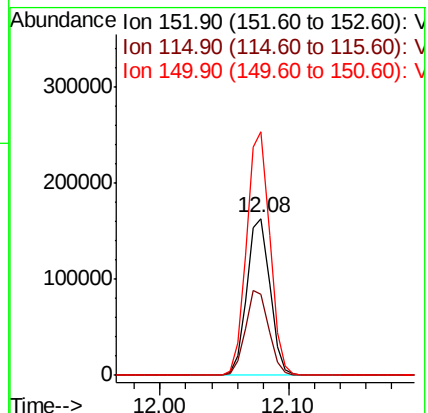
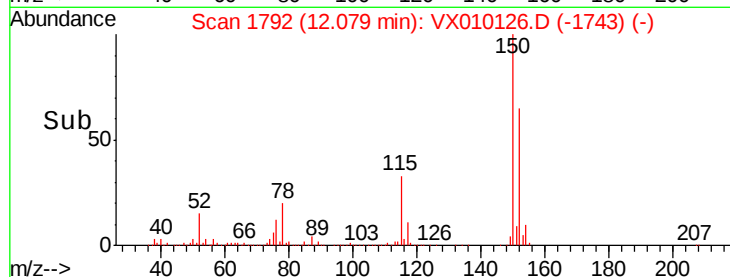
150 155.6 0.0 345.2



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: 22.431 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010126.D

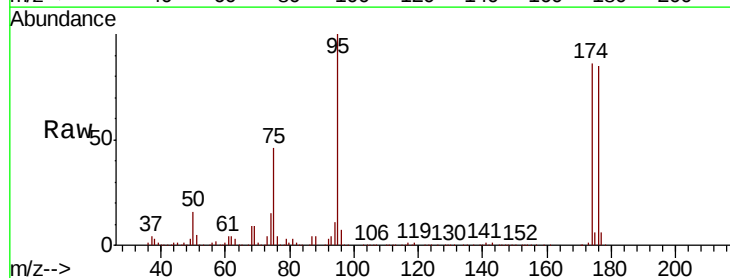
Acq: 07 Jun 2019 22:07

Tgt Ion: 75 Resp: 90694

Ion Ratio Lower Upper

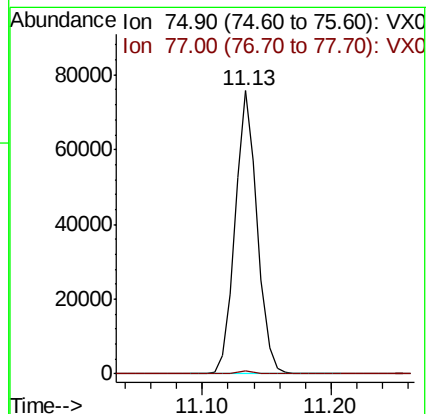
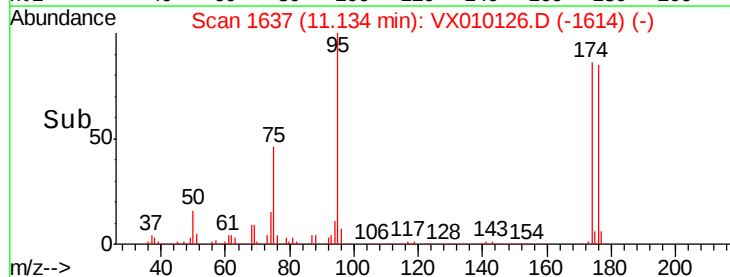
75 100

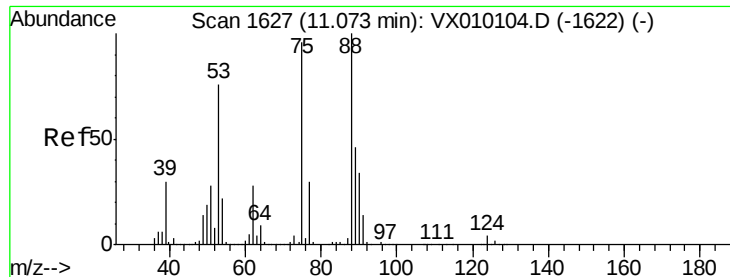
77 1.4 22.1 66.1#



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: 49.561 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010126.D

Acq: 07 Jun 2019 22:07

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW301S-20190605DL

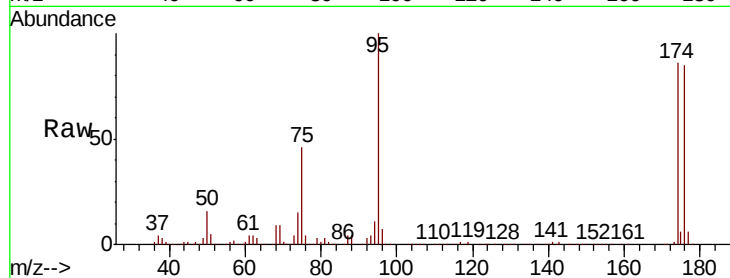
Tot Ion: 75 Resp: 90694

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.0 34.2 51.4#



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

