

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050818\
 Data File : VX001512.D
 Acq On : 08 May 2018 14:26
 Operator : JC/MD
 Sample : J2659-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW304D-20180429

Quant Time: May 09 06:44:22 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	273209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	378118	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	344536	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	208753	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	226709	57.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.46%	
35) Dibromofluoromethane	5.51	113	176288	52.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.84%	
50) Toluene-d8	8.72	98	643016	52.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.76%	
62) 4-Bromofluorobenzene	11.14	95	224653	47.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.34%	

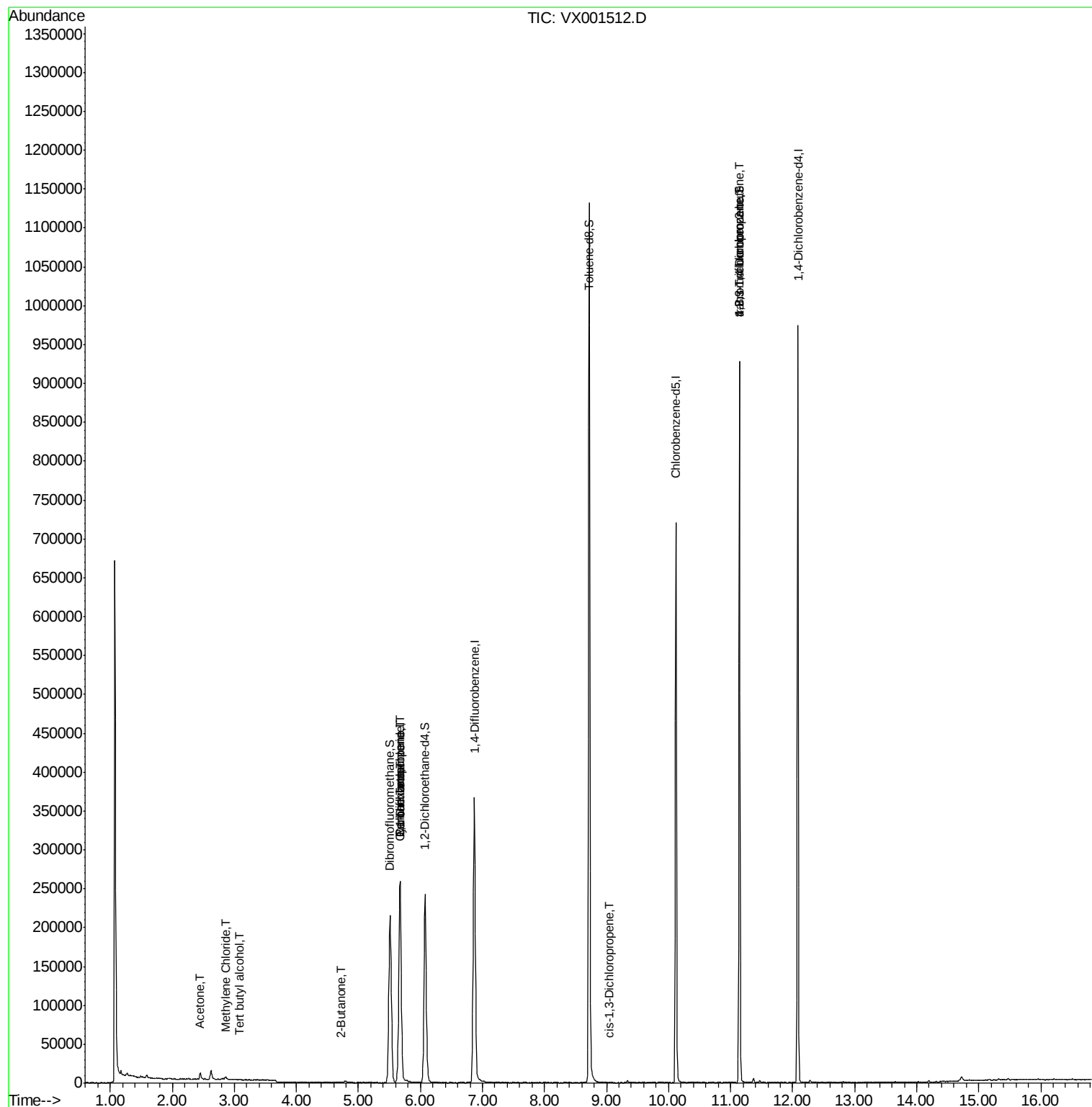
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	101	Below Cal	#	3
11) Tert butyl alcohol	3.08	59	175	0.21	ug/l #	72
13) Acrolein	2.29	56	206	Below Cal	#	20
16) Acetone	2.45	43	9564	5.36	ug/l	93
20) Methylene Chloride	2.86	84	1451	0.41	ug/l #	87
25) 2-Butanone	4.72	43	582	0.23	ug/l #	49
31) Cyclohexane	5.66	56	4763	0.94	ug/l #	20
36) 1,1-Dichloropropene	5.67	75	17077	3.55	ug/l #	49
38) Carbon Tetrachloride	5.67	117	23468	4.57	ug/l #	15
54) cis-1,3-Dichloropropene	9.05	75	52	2.27	ug/l #	58
76) 1,2,3-Trichloropropane	11.14	75	114857	27.13	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	114857	83.37	ug/l #	7

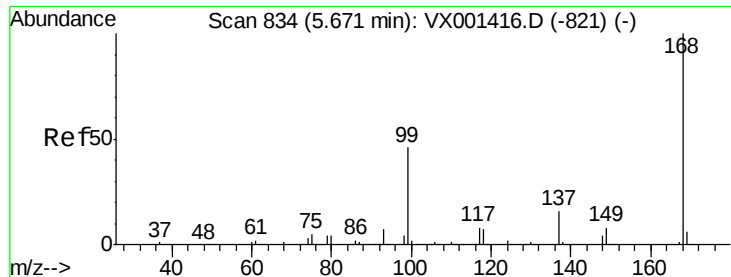
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001512.D

Acq: 08 May 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

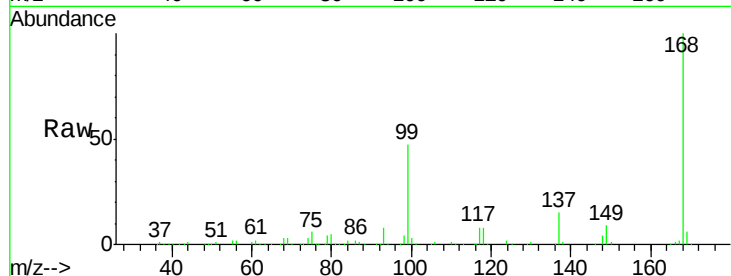
BPS1-TT-MW304D-20180429

Tgt Ion: 168 Resp: 273209

Ion Ratio Lower Upper

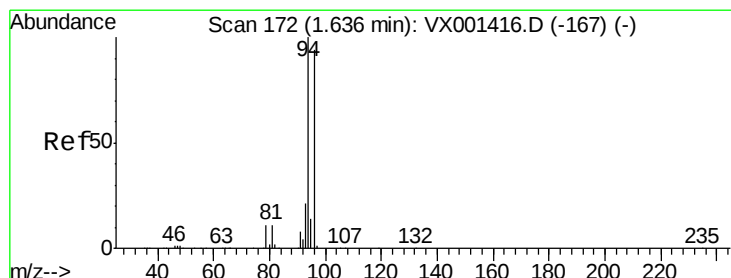
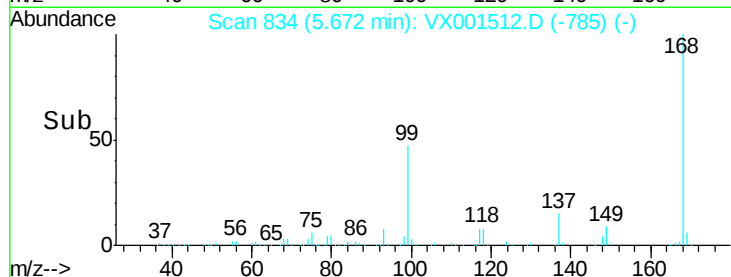
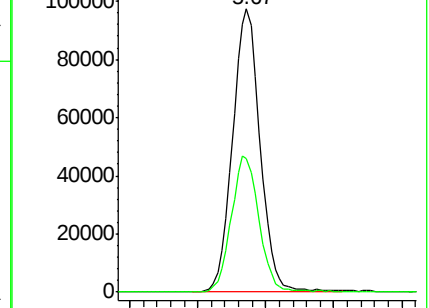
168 100

99 47.4 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 170

Delta R.T. -0.01 min

Lab File: VX001512.D

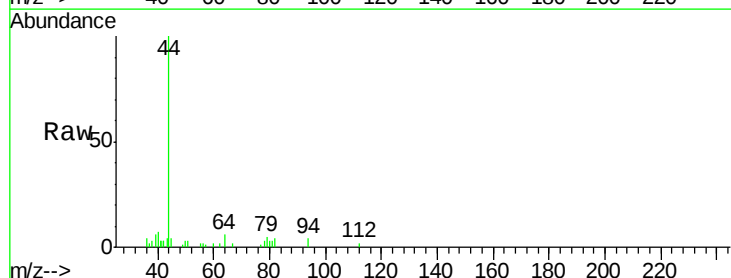
Acq: 08 May 2018 14:26

Tgt Ion: 94 Resp: 101

Ion Ratio Lower Upper

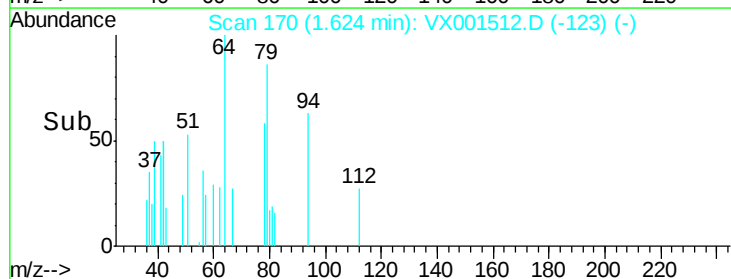
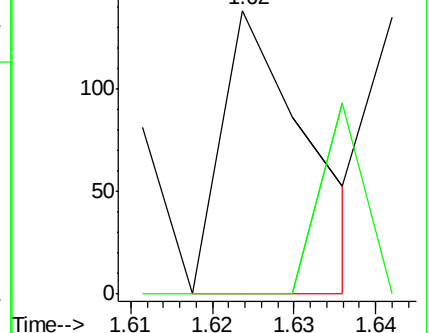
94 100

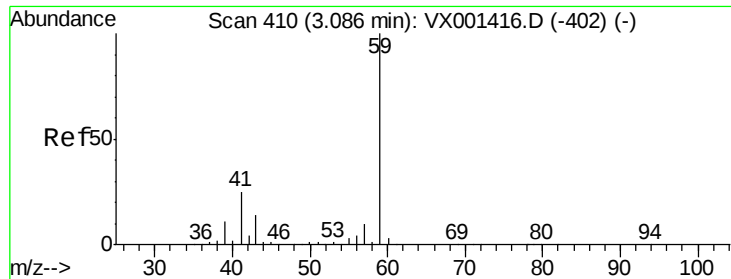
96 0.0 75.0 112.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#11

Tert butyl alcohol

Concen: 0.21 ug/l

RT: 3.08 min Scan# 409

Delta R.T. -0.01 min

Lab File: VX001512.D

Acq: 08 May 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

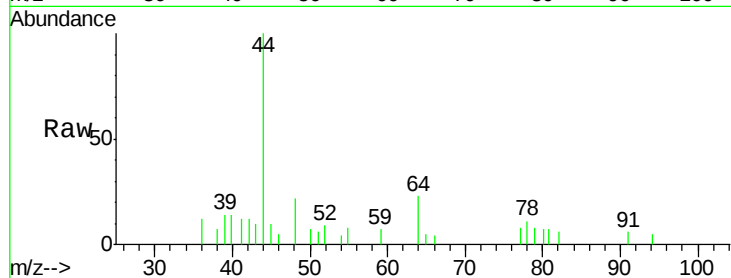
BPS1-TT-MW304D-20180429

Tgt Ion: 59 Resp: 175

Ion Ratio Lower Upper

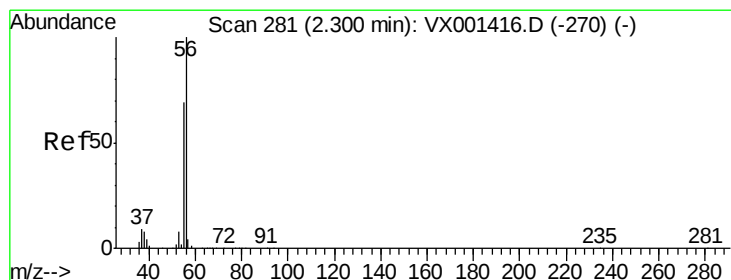
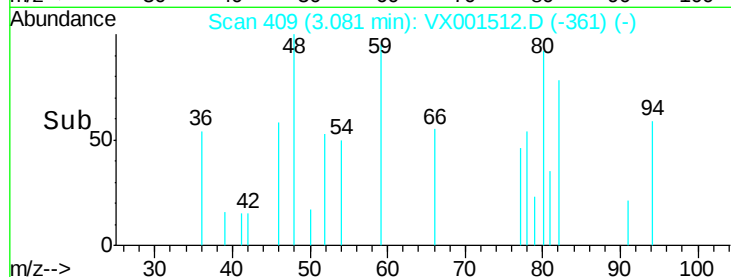
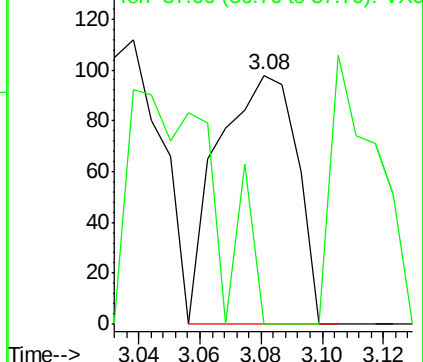
59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX001512.D

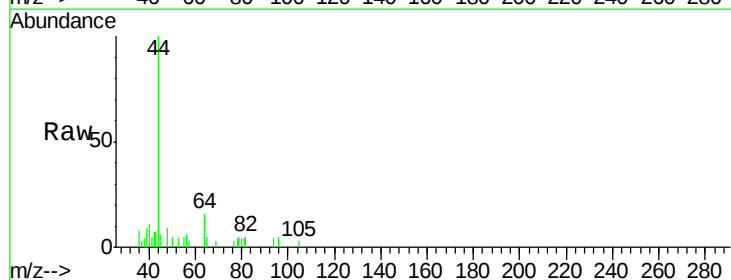
Acq: 08 May 2018 14:26

Tgt Ion: 56 Resp: 206

Ion Ratio Lower Upper

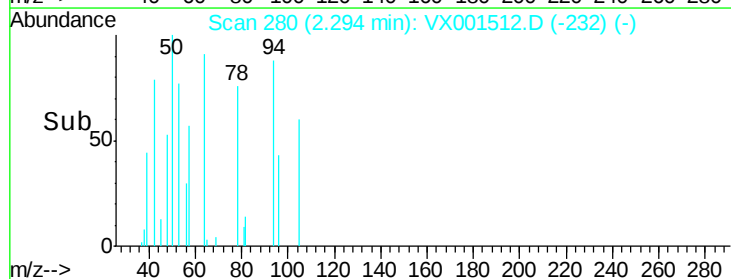
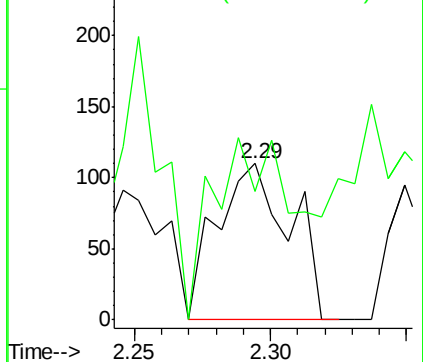
56 100

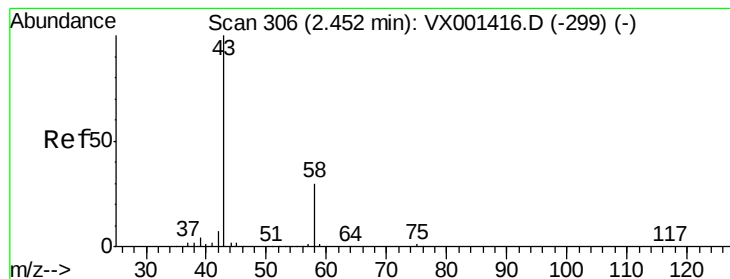
55 132.5 54.5 81.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 5.36 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001512.D

Acq: 08 May 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

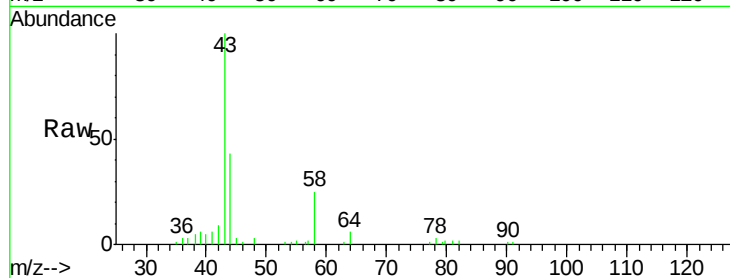
BPS1-TT-MW304D-20180429

Tgt Ion: 43 Resp: 9564

Ion Ratio Lower Upper

43 100

58 25.9 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

6000

5000

4000

3000

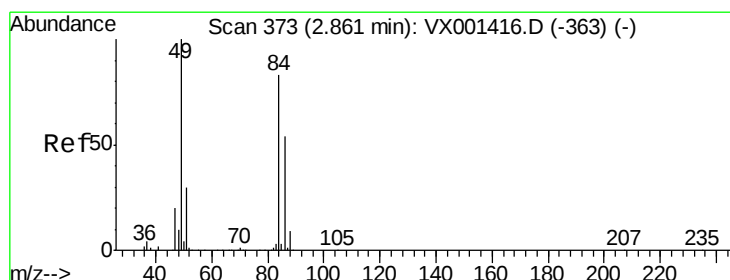
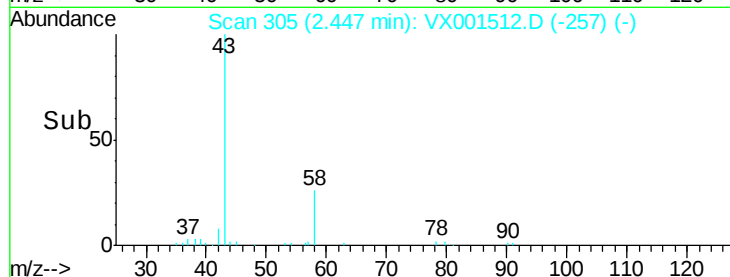
2000

1000

0

Time-->

2.35 2.40 2.45 2.50 2.55



#20

Methylene Chloride

Concen: 0.41 ug/l

RT: 2.86 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX001512.D

Acq: 08 May 2018 14:26

Tgt Ion: 84 Resp: 1451

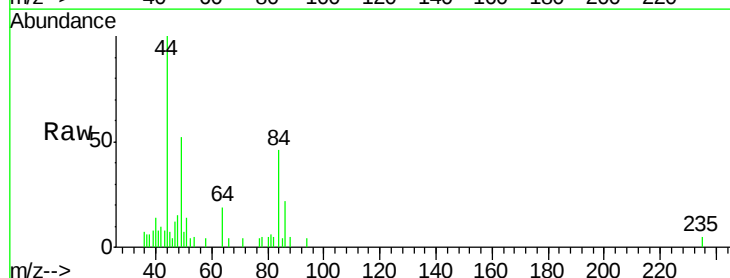
Ion Ratio Lower Upper

84 100

49 114.5 96.6 144.8

51 21.6 29.0 43.4#

86 48.4 52.2 78.4#



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

2.86

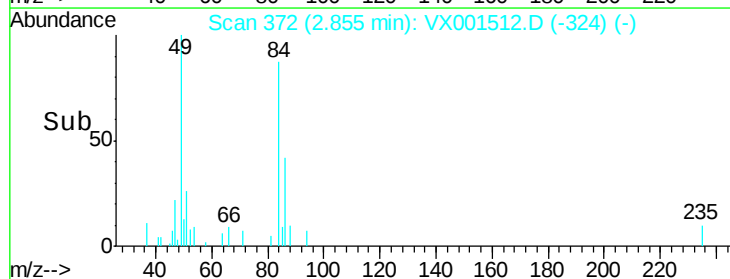
1000

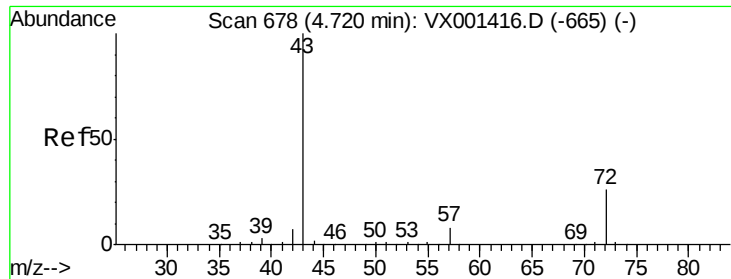
500

0

Time-->

2.80 2.85 2.90 2.95





#25

2-Butanone

Concen: 0.23 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.00 min

Lab File: VX001512.D

Acq: 08 May 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

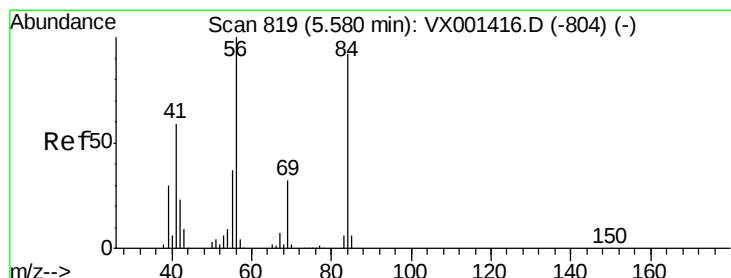
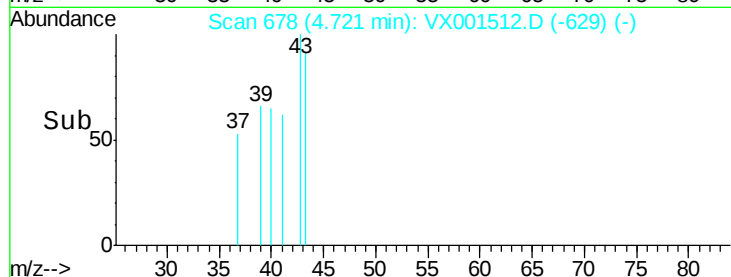
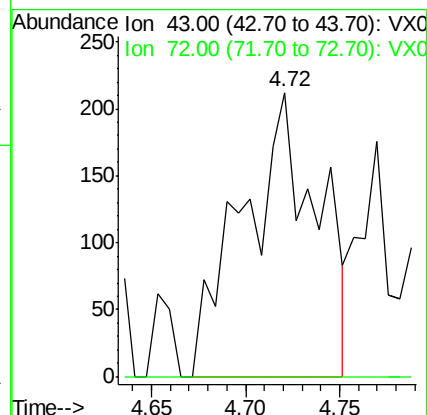
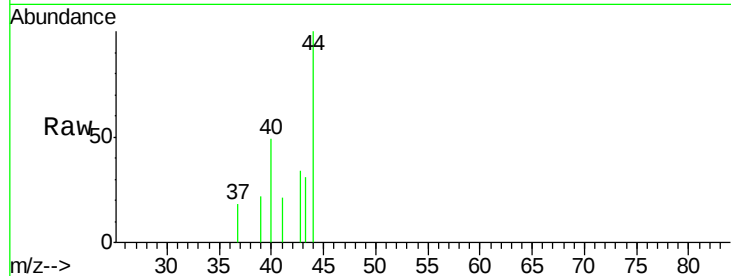
BPS1-TT-MW304D-20180429

Tgt Ion: 43 Resp: 582

Ion Ratio Lower Upper

43 100

72 0.0 20.7 31.1#



#31

Cyclohexane

Concen: 0.94 ug/l

RT: 5.66 min Scan# 832

Delta R.T. 0.08 min

Lab File: VX001512.D

Acq: 08 May 2018 14:26

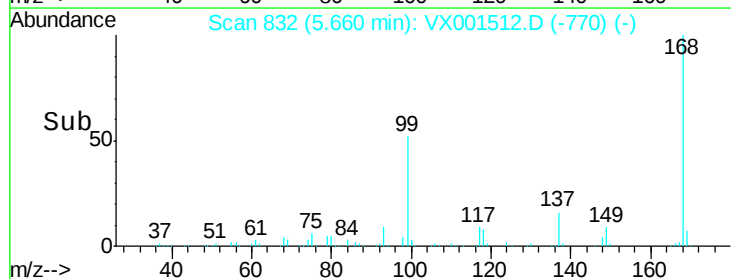
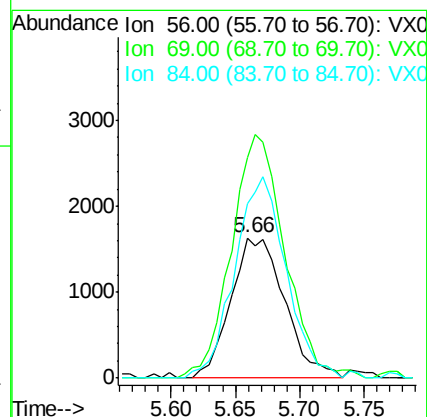
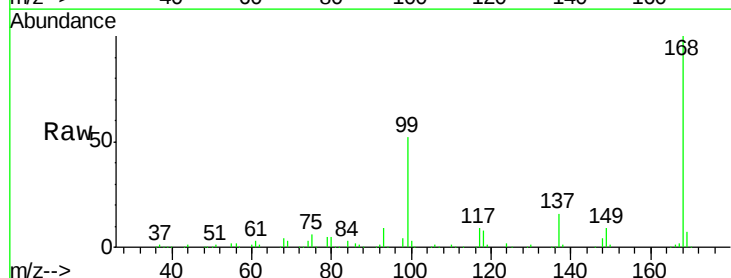
Tgt Ion: 56 Resp: 4763

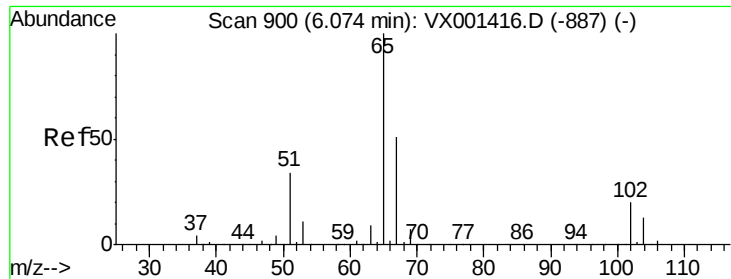
Ion Ratio Lower Upper

56 100

69 151.9 25.4 38.0#

84 124.2 73.8 110.8#





#33

1,2-Dichloroethane-d4

Concen: 57.73 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001512.D

Acq: 08 May 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

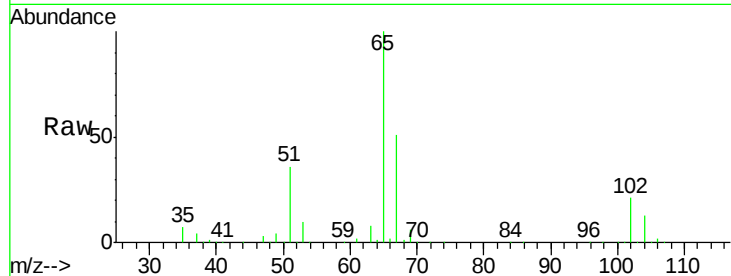
BPS1-TT-MW304D-20180429

Tgt Ion: 65 Resp: 226709

Ion Ratio Lower Upper

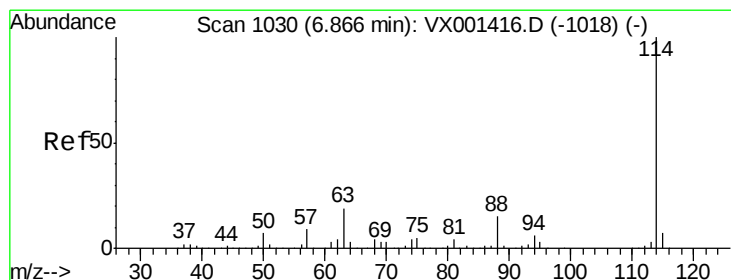
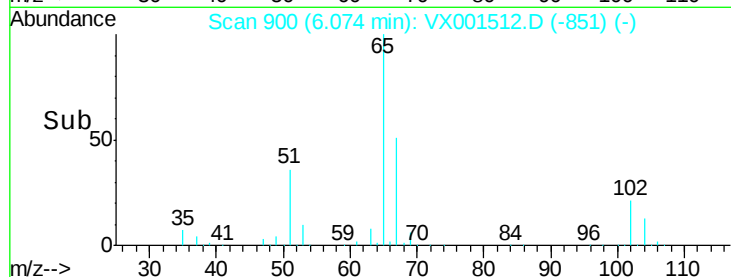
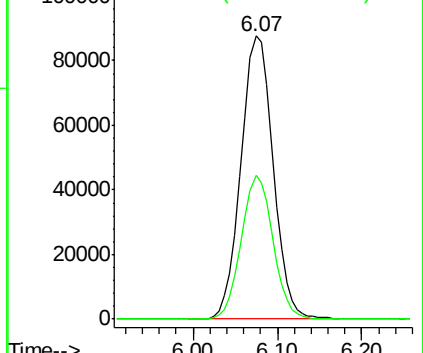
65 100

67 49.9 0.0 101.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001512.D

Acq: 08 May 2018 14:26

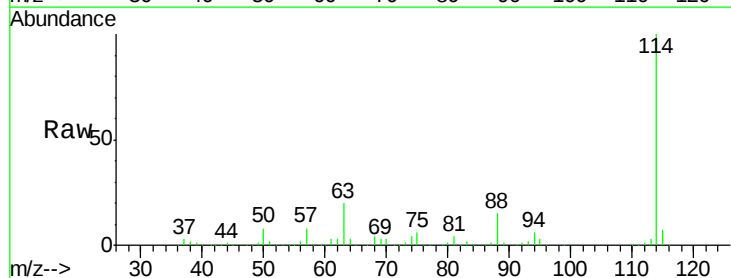
Tgt Ion: 114 Resp: 378118

Ion Ratio Lower Upper

114 100

63 20.4 0.0 38.6

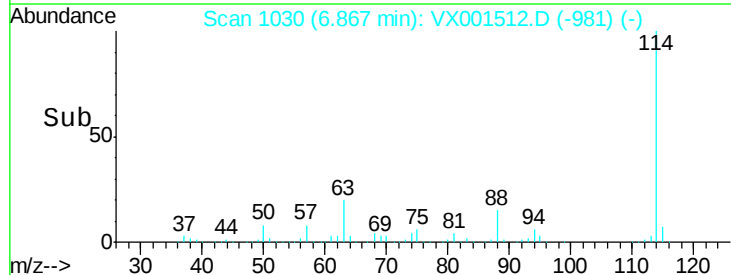
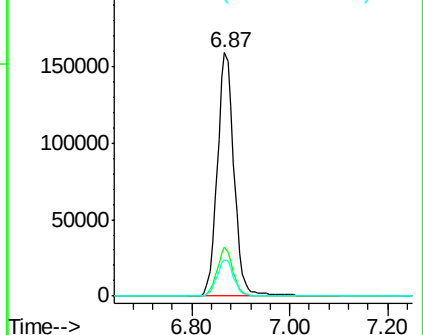
88 15.0 0.0 30.8

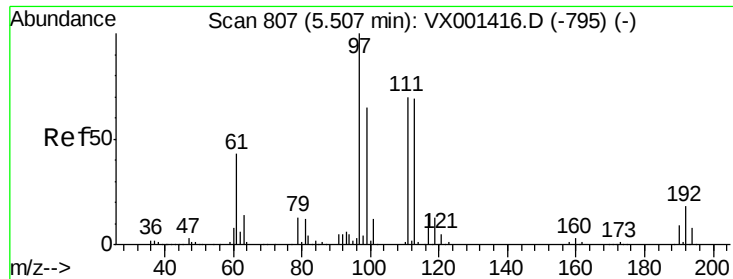


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

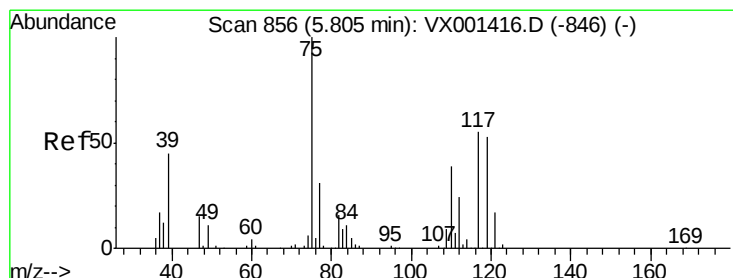
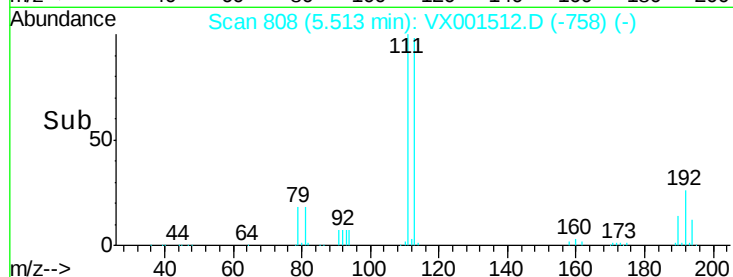
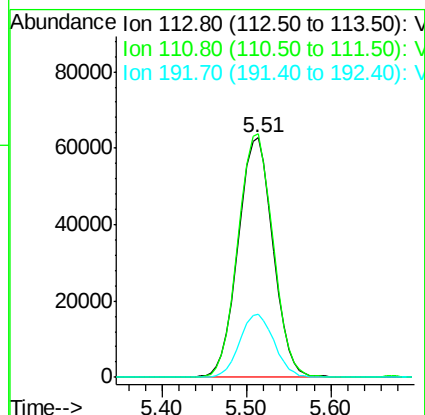
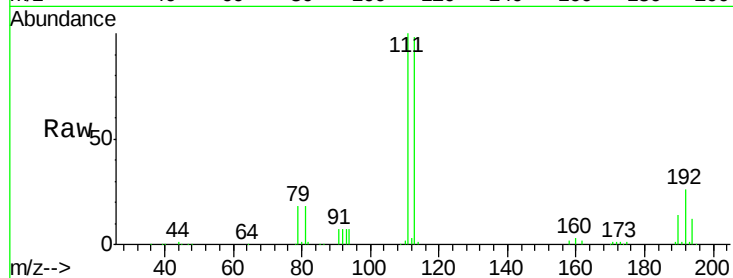




#35
 Dibromofluoromethane
 Concen: 52.42 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX001512.D
 Acq: 08 May 2018 14:26

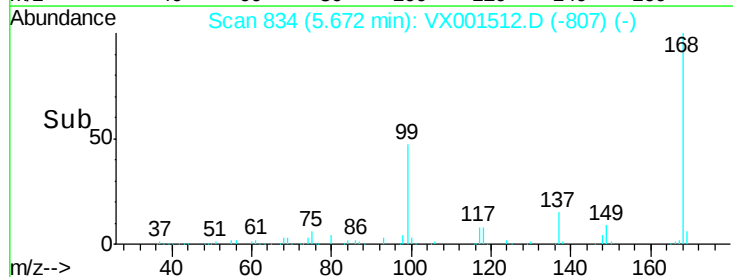
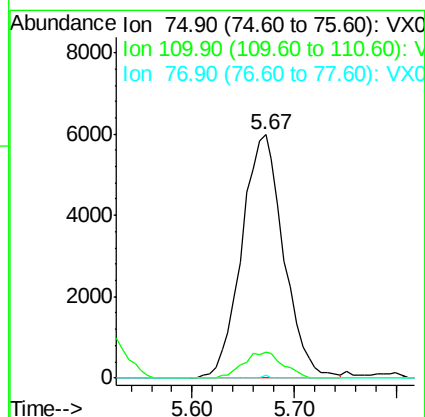
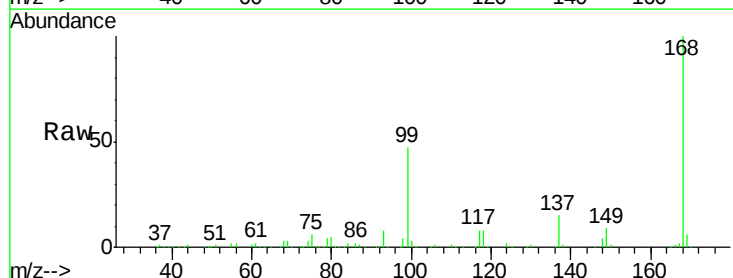
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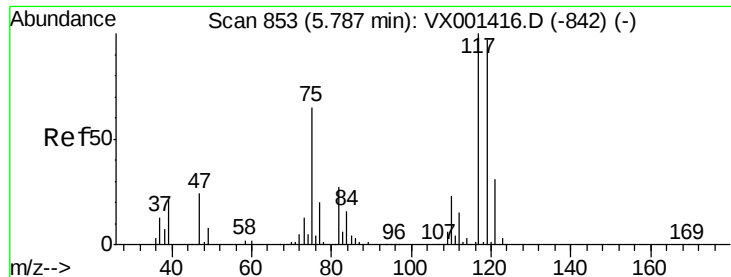
Tgt Ion:113 Resp: 176288
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.2 123.2
 192 26.1 21.4 32.0



#36
 1,1-Dichloropropene
 Concen: 3.55 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001512.D
 Acq: 08 May 2018 14:26

Tgt Ion: 75 Resp: 17077
 Ion Ratio Lower Upper
 75 100
 110 10.1 18.9 56.7#
 77 0.1 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 4.57 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX001512.D

Acq: 08 May 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW304D-20180429

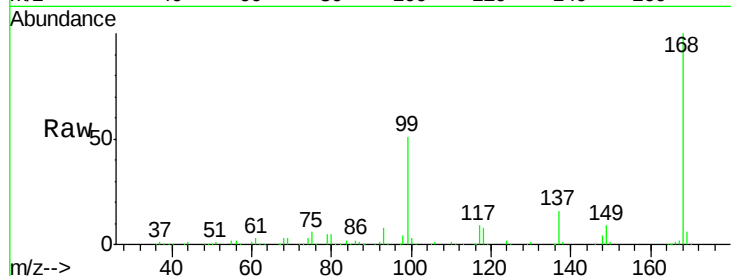
Tgt Ion: 117 Resp: 23468

Ion Ratio Lower Upper

117 100

119 4.7 77.0 115.6#

121 0.0 25.1 37.7#

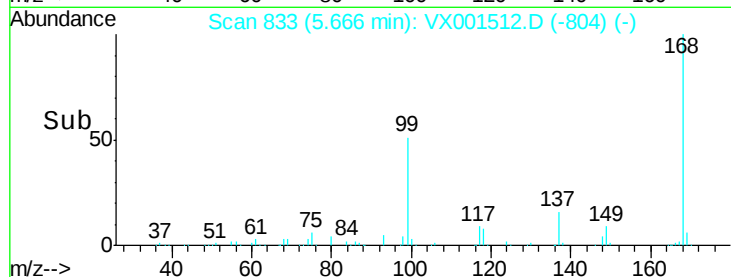


Abundance Ion 116.80 (116.50 to 117.50): V

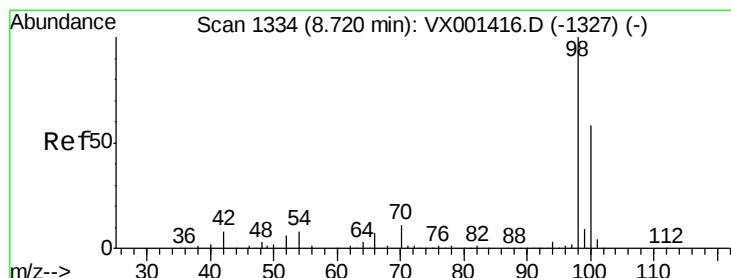
Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

Time-->



Time-->



#50

Toluene-d8

Concen: 52.38 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001512.D

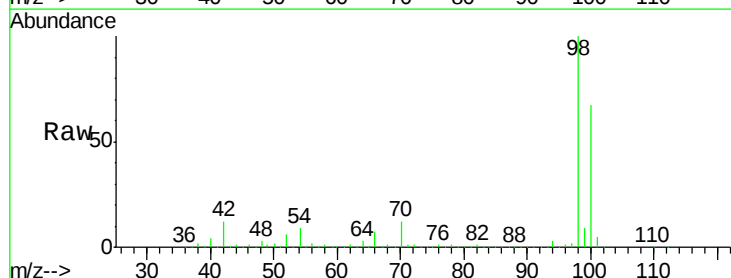
Acq: 08 May 2018 14:26

Tgt Ion: 98 Resp: 643016

Ion Ratio Lower Upper

98 100

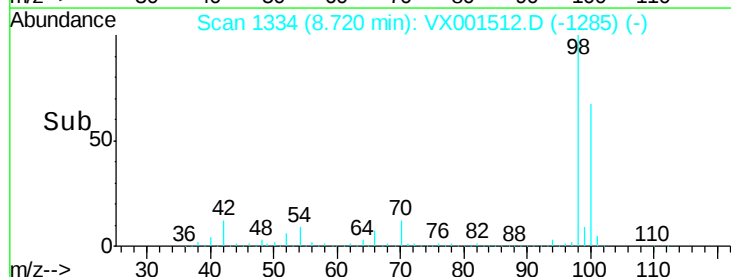
100 65.9 54.0 81.0



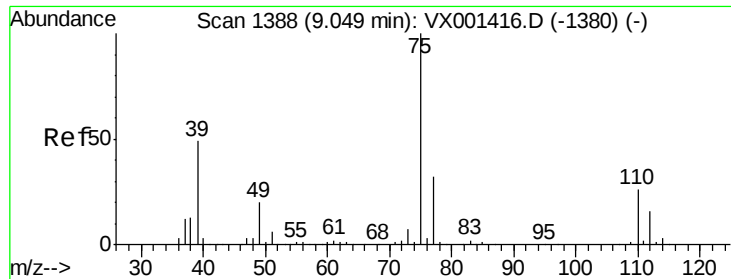
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

Time-->



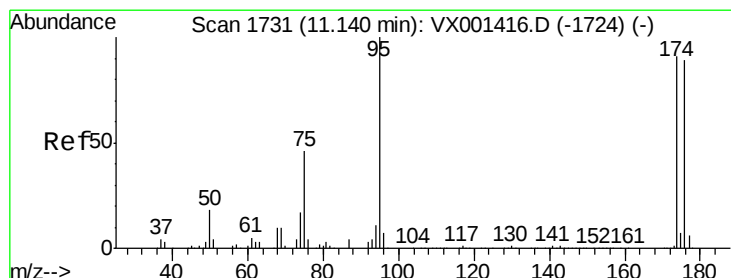
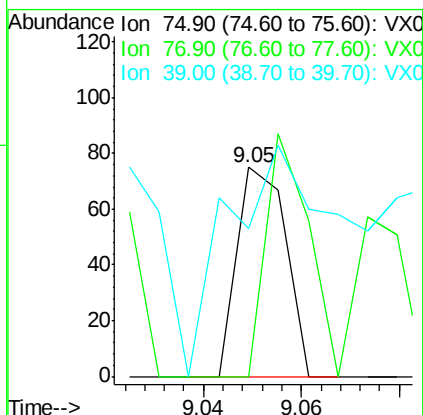
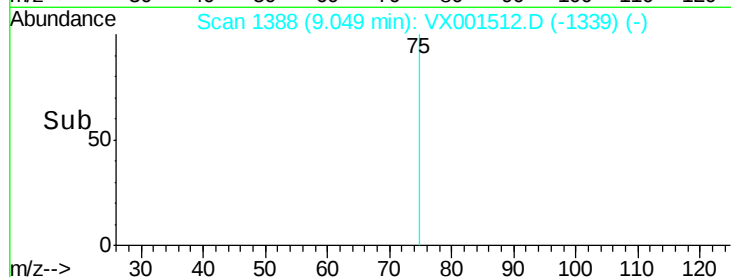
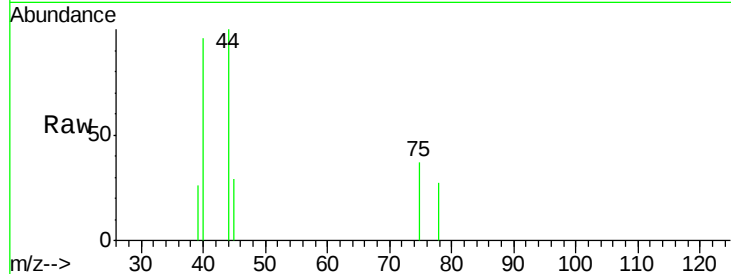
Time-->



#54
 cis-1,3-Dichloropropene
 Concen: 2.27 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VX001512.D
 Acq: 08 May 2018 14:26

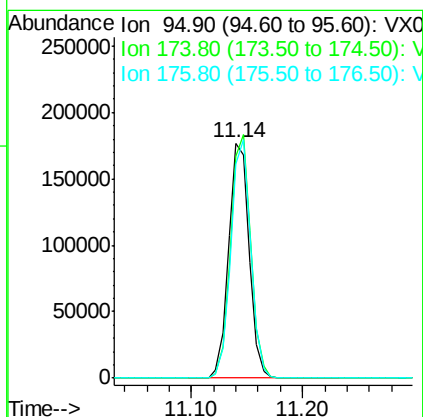
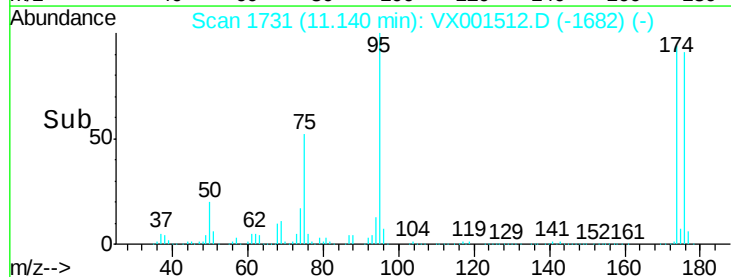
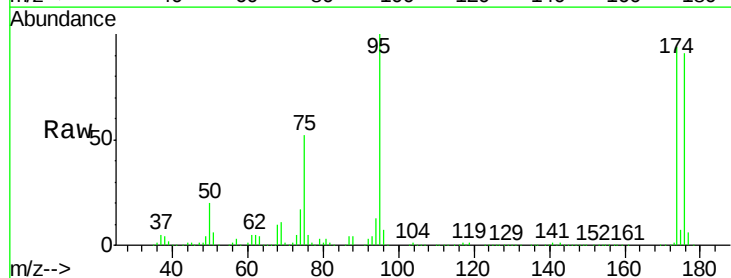
Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW304D-20180429

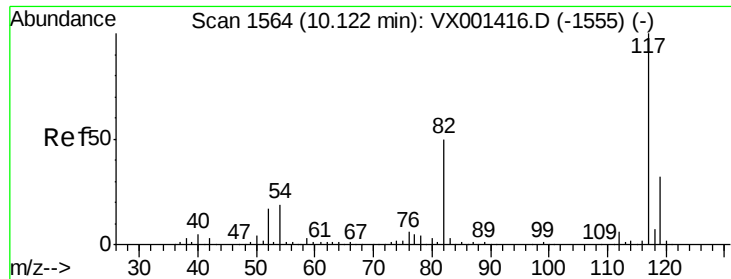
Tgt Ion: 75 Resp: 52
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#
 39 70.7 38.9 58.3#



#62
 4-Bromofluorobenzene
 Concen: 47.67 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX001512.D
 Acq: 08 May 2018 14:26

Tgt Ion: 95 Resp: 224653
 Ion Ratio Lower Upper
 95 100
 174 101.4 0.0 202.0
 176 98.3 0.0 197.4

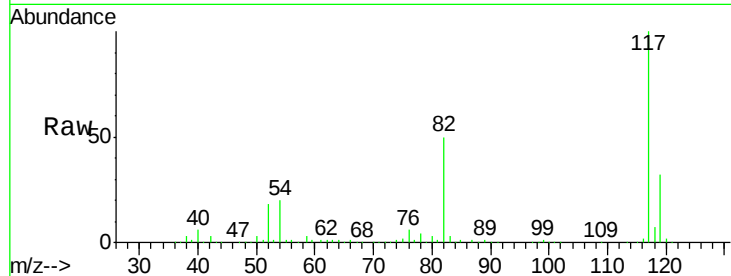




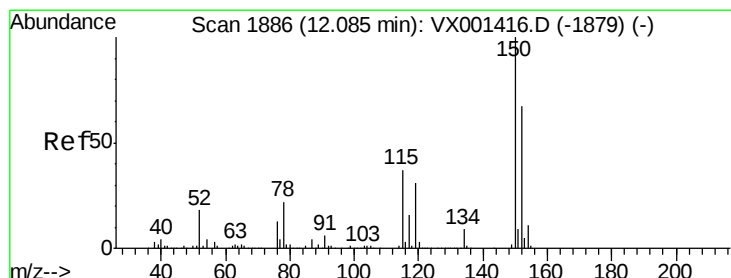
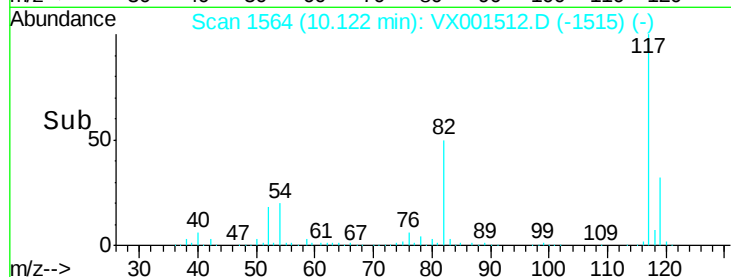
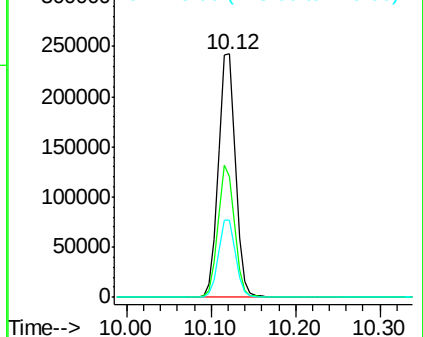
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001512.D
Acq: 08 May 2018 14:26

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW304D-20180429

Tgt Ion:117 Resp: 344536
Ion Ratio Lower Upper
117 100
82 49.6 40.0 60.0
119 31.8 25.8 38.8

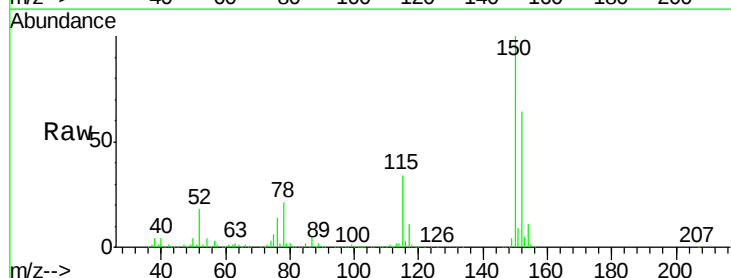


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

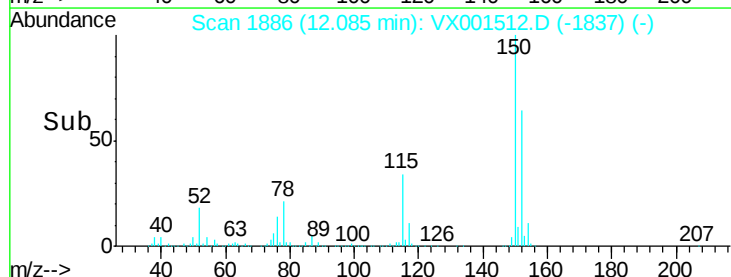
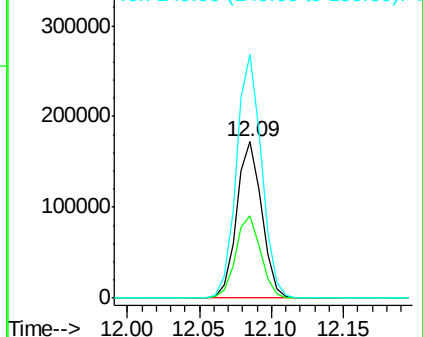


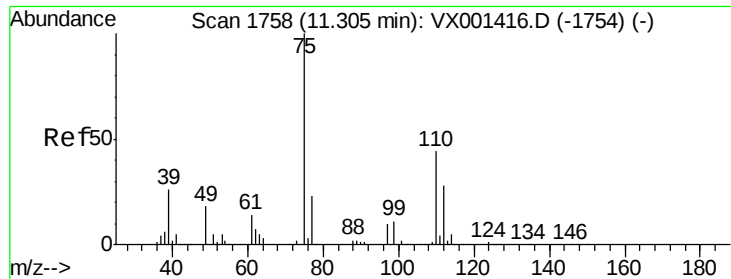
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001512.D
Acq: 08 May 2018 14:26

Tgt Ion:152 Resp: 208753
Ion Ratio Lower Upper
152 100
115 53.1 37.7 113.1
150 156.8 0.0 349.4



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: 27.13 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001512.D

Acq: 08 May 2018 14:26

Instrument :

MSVOA_X

ClientSampleId :

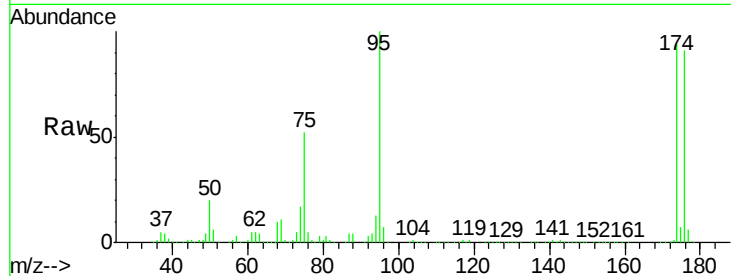
BPS1-TT-MW304D-20180429

Tgt Ion: 75 Resp: 114857

Ion Ratio Lower Upper

75 100

77 1.3 19.6 58.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.14

100000

80000

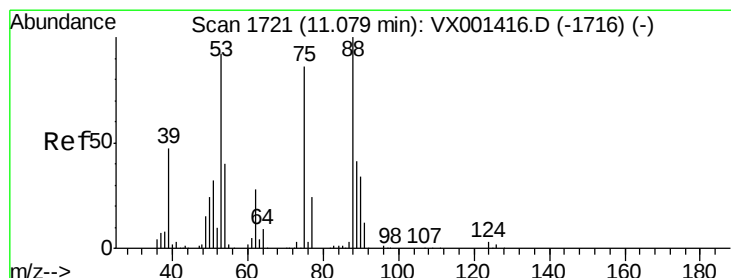
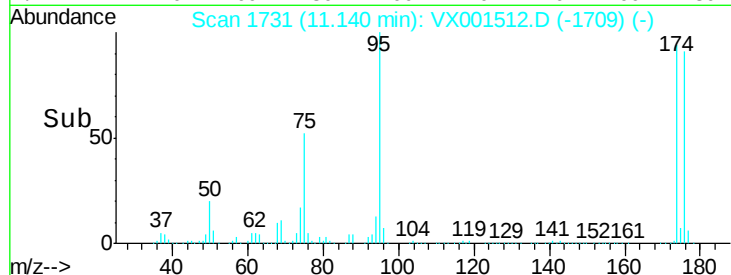
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 83.37 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001512.D

Acq: 08 May 2018 14:26

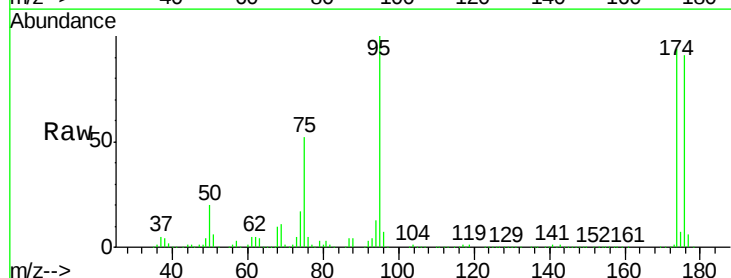
Tgt Ion: 75 Resp: 114857

Ion Ratio Lower Upper

75 100

53 0.1 84.5 126.7#

89 0.0 39.5 59.3#



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

11.14

120000

100000

80000

60000

40000

20000

0

Time-->

