

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091818\
 Data File : VX004675.D
 Acq On : 18 Sep 2018 23:50
 Operator : JC/MD
 Sample : J4913-02DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW305D-20180911DL

Quant Time: Sep 19 05:42:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	248216	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	337493	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	320492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	200675	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	147836	46.19	ug/l	0.00
Spiked Amount			Recovery	=	92.38%	
35) Dibromofluoromethane	5.50	113	142008	45.98	ug/l	0.00
Spiked Amount			Recovery	=	91.96%	
50) Toluene-d8	8.71	98	474876	45.85	ug/l	0.00
Spiked Amount			Recovery	=	91.70%	
62) 4-Bromofluorobenzene	11.14	95	168841	45.67	ug/l	0.00
Spiked Amount			Recovery	=	91.34%	

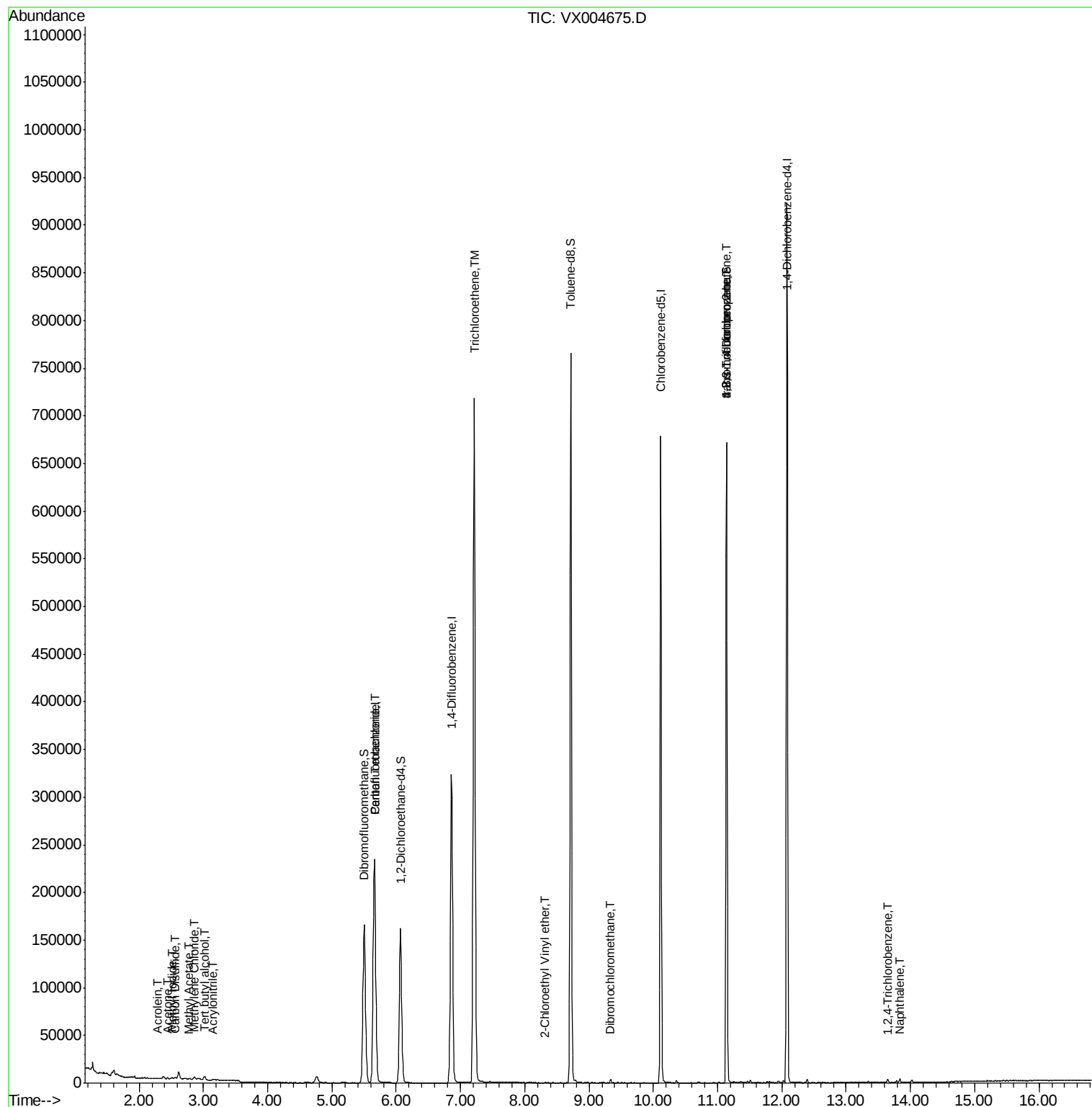
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1079	Below Cal		84
10) Methyl Iodide	2.52	142	1568	4.691	ug/l	98
11) Tert butyl alcohol	3.01	59	2723	3.566	ug/l #	75
13) Acrolein	2.29	56	159	0.527	ug/l #	1
15) Acrylonitrile	3.15	53	651	0.354	ug/l #	84
16) Acetone	2.45	43	1324	0.848	ug/l	98
17) Carbon Disulfide	2.57	76	1999	0.267	ug/l #	91
18) Methyl Acetate	2.78	43	1003	0.229	ug/l	94
20) Methylene Chloride	2.86	84	1011	0.315	ug/l #	88
38) Carbon Tetrachloride	5.66	117	21664	5.413	ug/l #	16
44) Trichloroethene	7.21	130	298994	94.667	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	73	7.304	ug/l #	45
60) Dibromochloromethane	9.34	129	696	0.240	ug/l #	11
76) 1,2,3-Trichloropropane	11.14	75	78267	19.386	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	78267	61.791	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.65	180	1086	0.222	ug/l	97
95) Naphthalene	13.83	128	2741	0.200	ug/l	98

(#) = 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: VX004675.D

Acq: 18 Sep 2018 23:50

Instrument :

MSVOA_X

ClientSampleId :

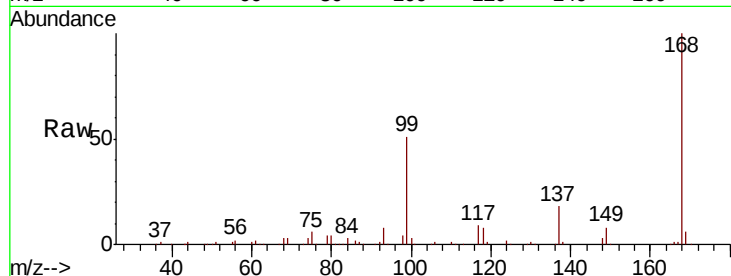
BPS1-TT-MW305D-20180911DL

Tgt Ion:168 Resp: 248216

Ion Ratio Lower Upper

168 100

99 51.3 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

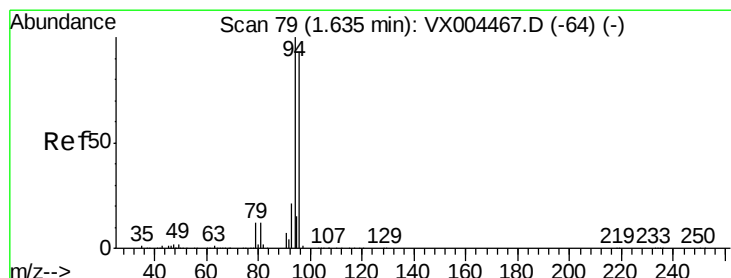
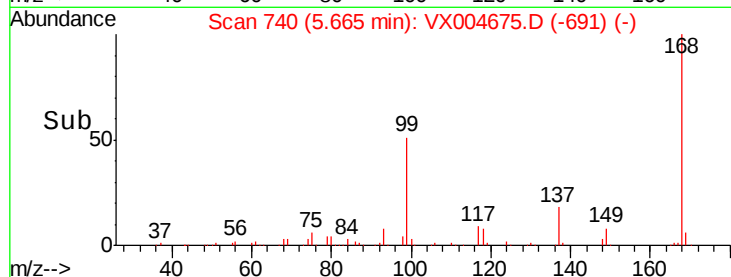
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX004675.D

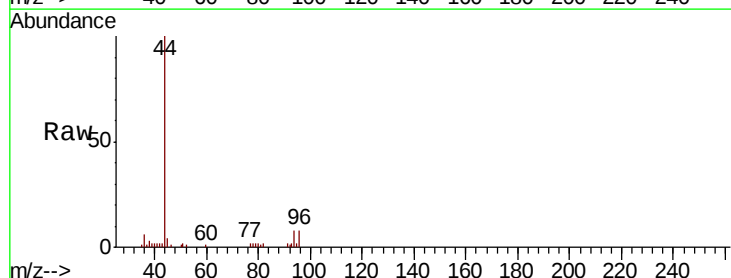
Acq: 18 Sep 2018 23:50

Tgt Ion: 94 Resp: 1079

Ion Ratio Lower Upper

94 100

96 108.9 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

600

500

400

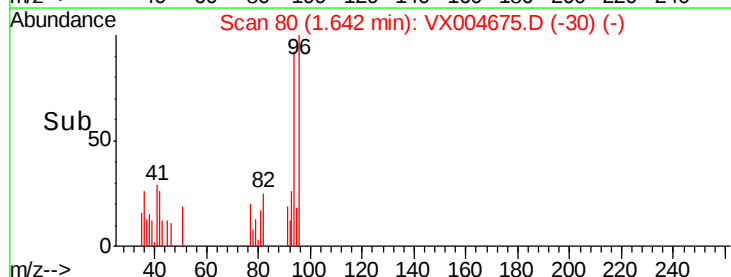
300

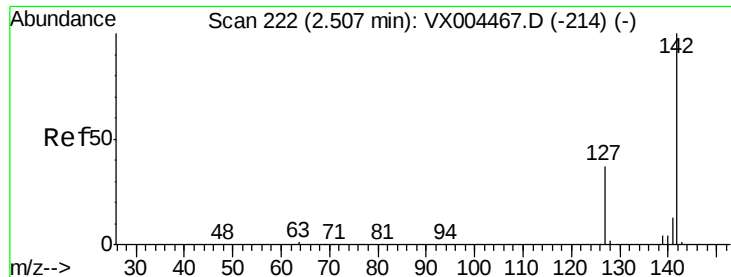
200

100

0

Time--> 1.60 1.65 1.70

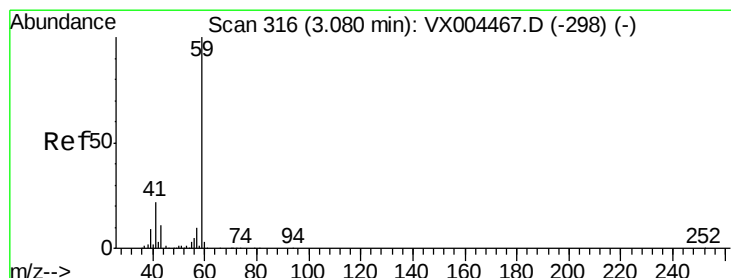
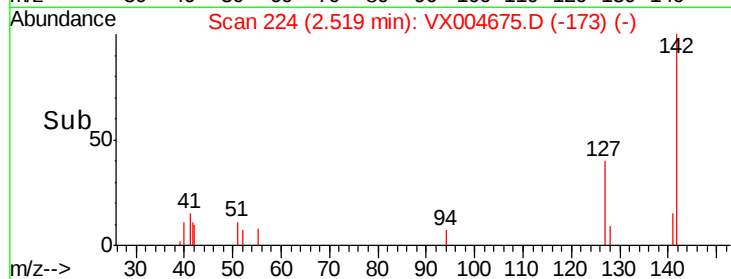
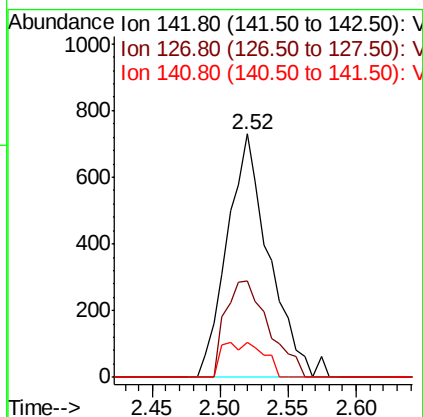
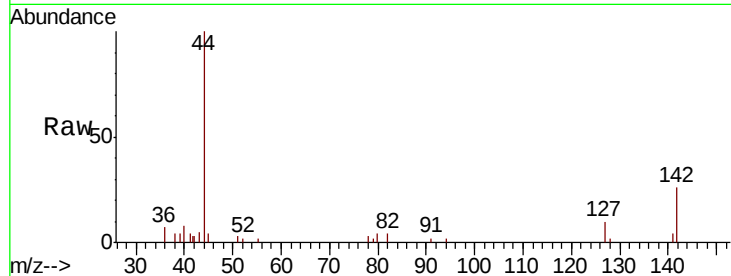




#10
Methyl Iodide
Concen: 4.691 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX004675.D
Acq: 18 Sep 2018 23:50

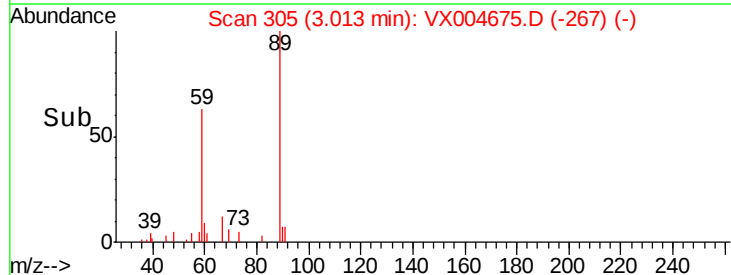
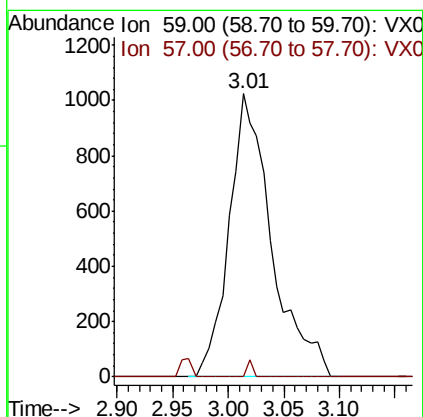
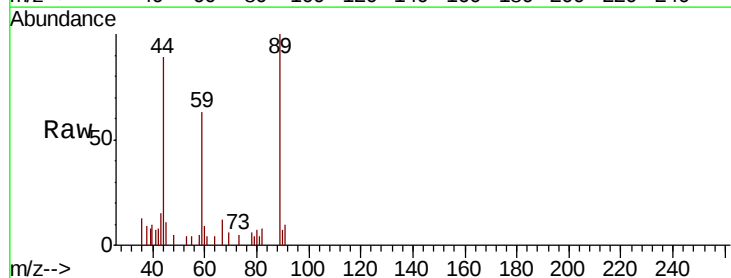
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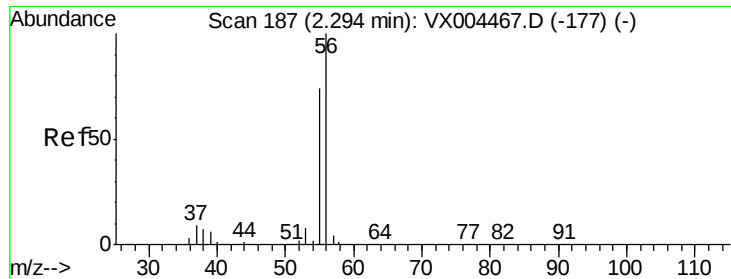
Tgt Ion: 142 Resp: 1568
Ion Ratio Lower Upper
142 100
127 40.9 33.8 50.6
141 14.3 11.4 17.0



#11
Tert butyl alcohol
Concen: 3.566 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.07 min
Lab File: VX004675.D
Acq: 18 Sep 2018 23:50

Tgt Ion: 59 Resp: 2723
Ion Ratio Lower Upper
59 100
57 0.8 8.2 12.4#





#13

Acrolein

Concen: 0.527 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004675.D

Acq: 18 Sep 2018 23:50

Instrument :

MSVOA_X

ClientSampleId :

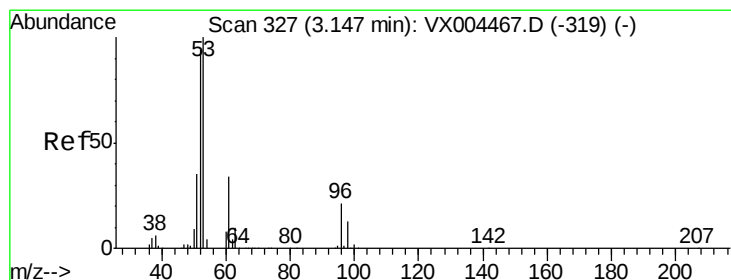
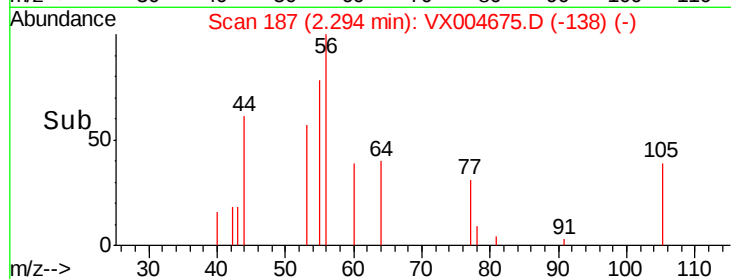
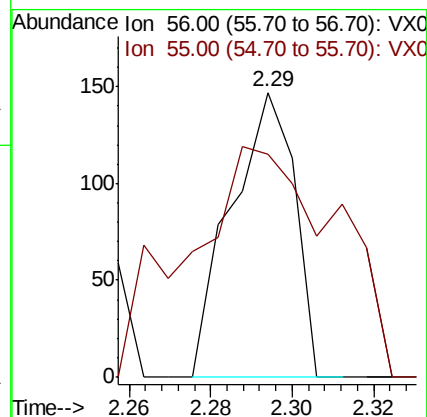
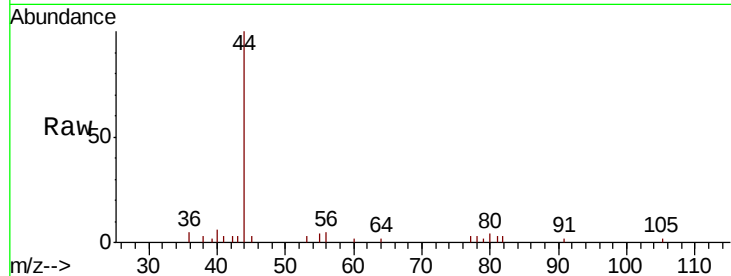
BPS1-TT-MW305D-20180911DL

Tgt Ion: 56 Resp: 159

Ion Ratio Lower Upper

56 100

55 188.7 54.7 82.1#



#15

Acrylonitrile

Concen: 0.354 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX004675.D

Acq: 18 Sep 2018 23:50

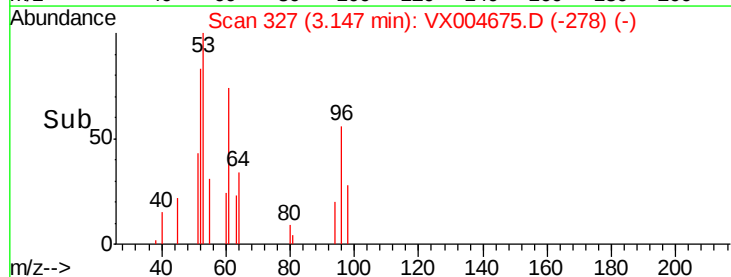
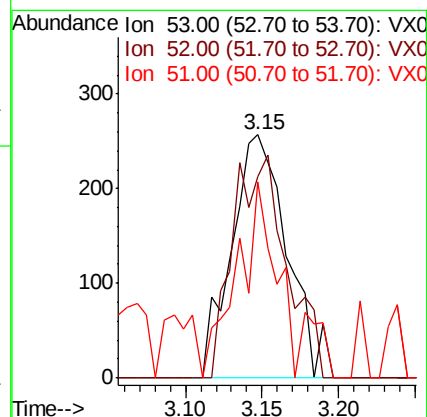
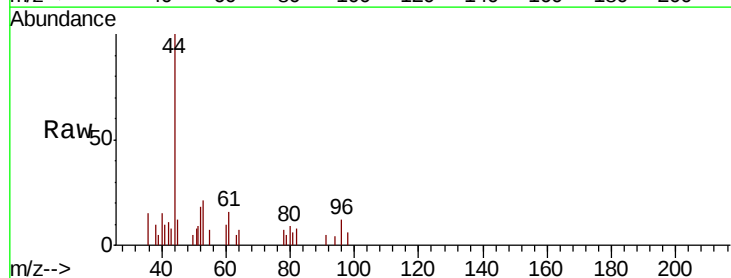
Tgt Ion: 53 Resp: 651

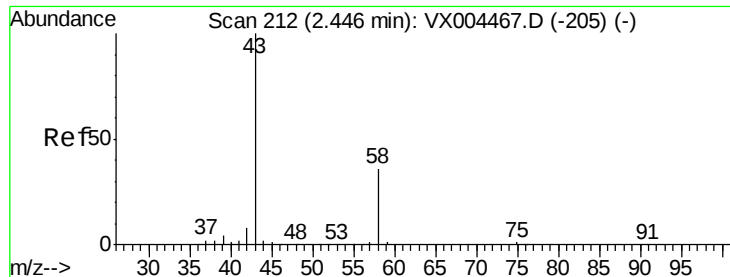
Ion Ratio Lower Upper

53 100

52 88.2 65.2 97.8

51 55.5 28.2 42.2#





#16

Acetone

Concen: 0.848 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004675.D

Acq: 18 Sep 2018 23:50

Instrument :

MSVOA_X

ClientSampleId :

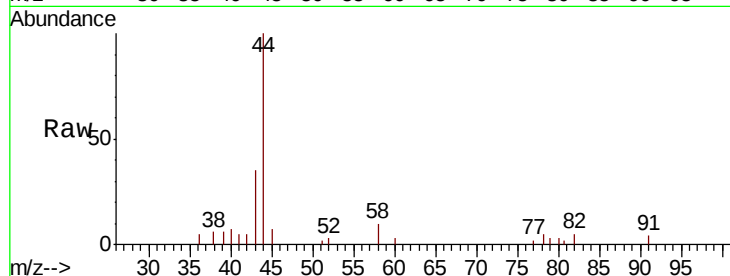
BPS1-TT-MW305D-20180911DL

Tgt Ion: 43 Resp: 1324

Ion Ratio Lower Upper

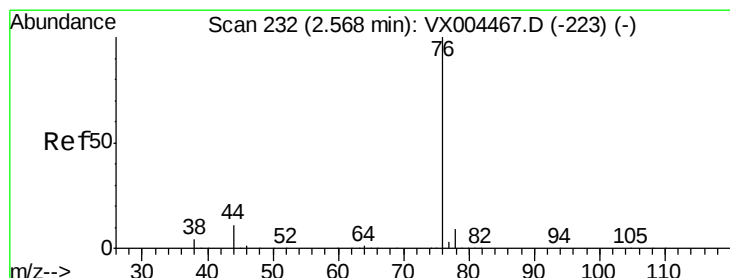
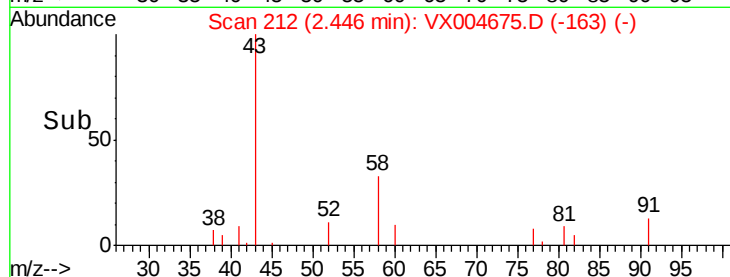
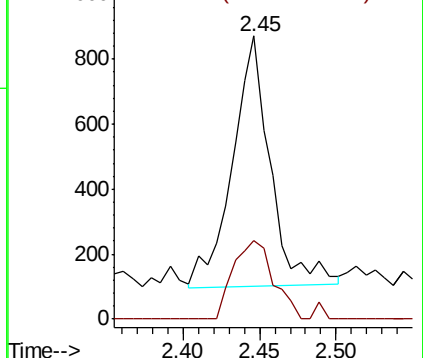
43 100

58 31.5 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.267 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX004675.D

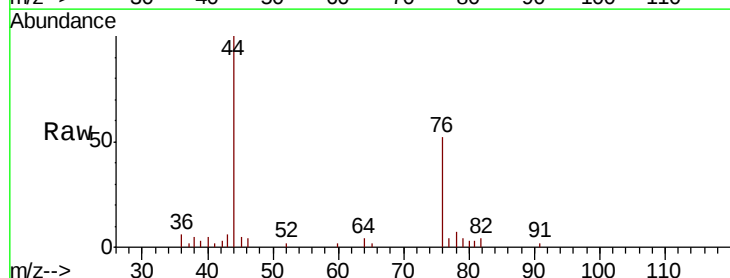
Acq: 18 Sep 2018 23:50

Tgt Ion: 76 Resp: 1999

Ion Ratio Lower Upper

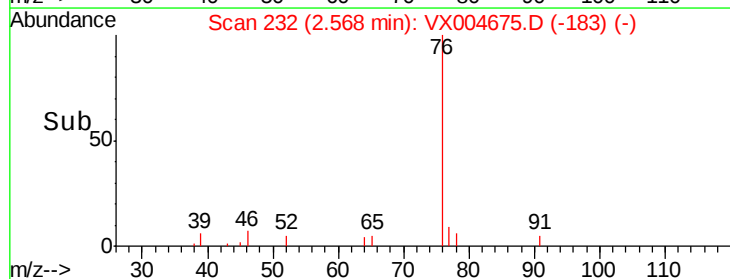
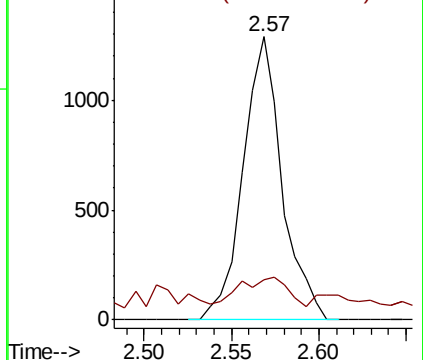
76 100

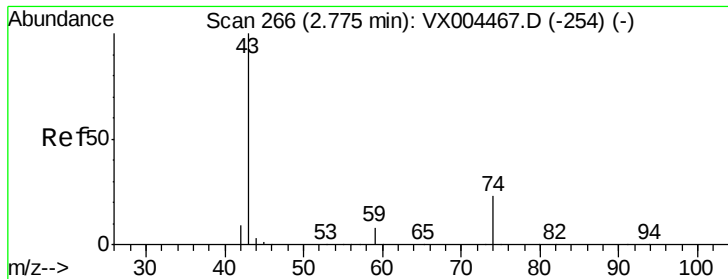
78 5.6 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

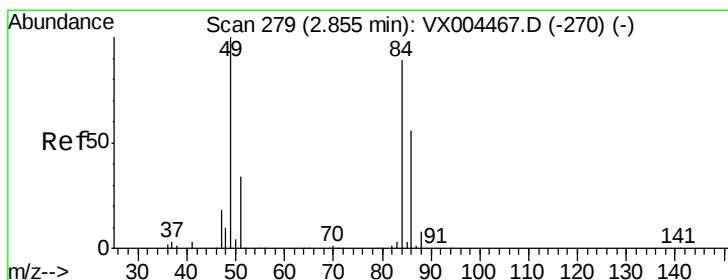
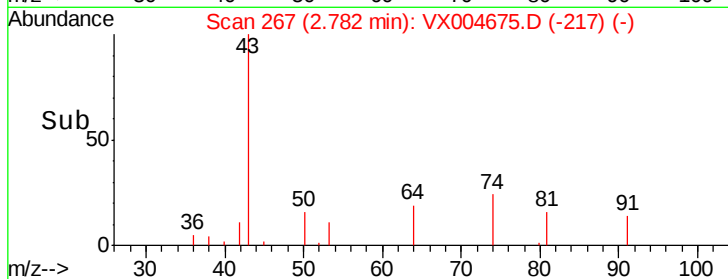
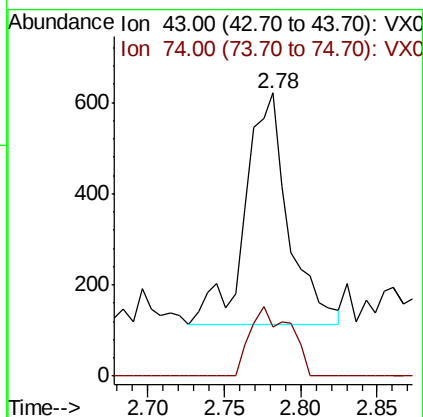
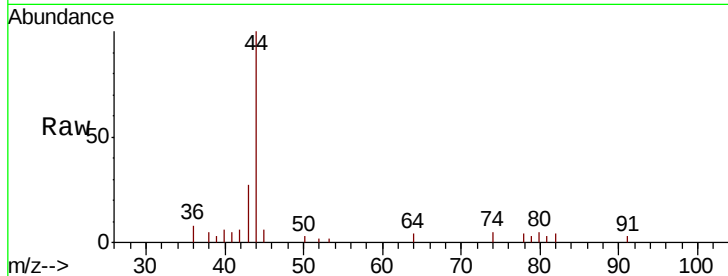




#18
Methyl Acetate
Concen: 0.229 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX004675.D
Acq: 18 Sep 2018 23:50

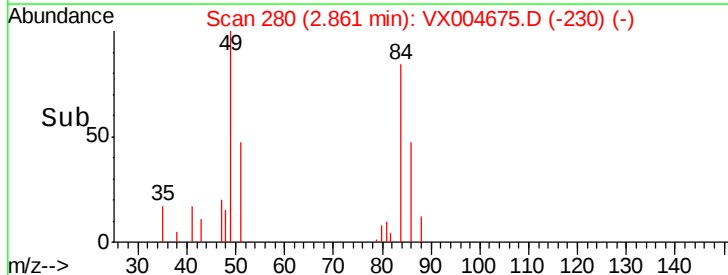
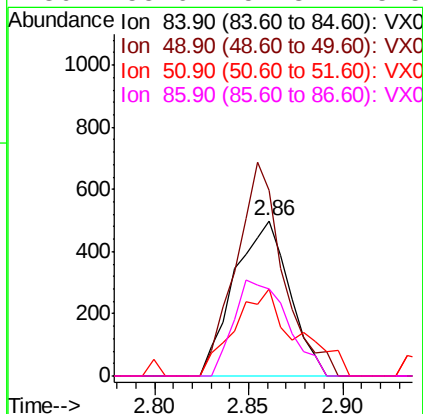
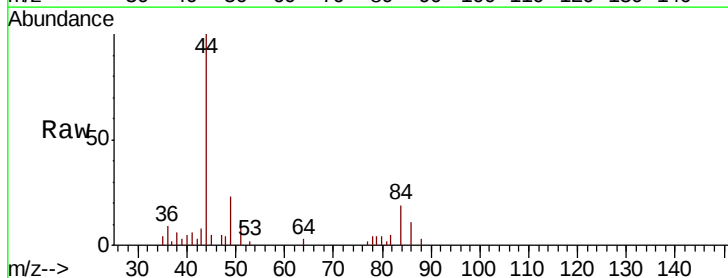
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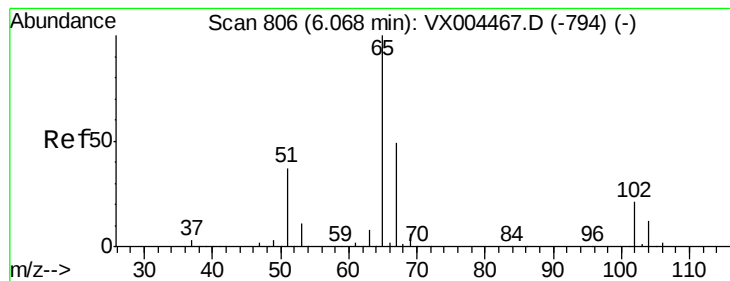
Tgt Ion: 43 Resp: 1003
Ion Ratio Lower Upper
43 100
74 27.2 19.4 29.2



#20
Methylene Chloride
Concen: 0.315 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX004675.D
Acq: 18 Sep 2018 23:50

Tgt Ion: 84 Resp: 1011
Ion Ratio Lower Upper
84 100
49 119.2 101.2 151.8
51 55.8 29.5 44.3#
86 55.6 52.3 78.5





#33

1,2-Dichloroethane-d4

Concen: 46.191 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004675.D

Acq: 18 Sep 2018 23:50

Instrument :

MSVOA_X

ClientSampleId :

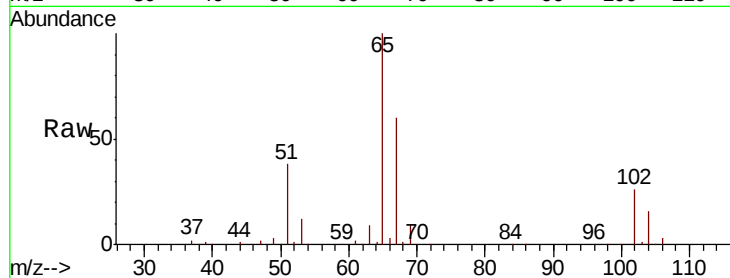
BPS1-TT-MW305D-20180911DL

Tgt Ion: 65 Resp: 147836

Ion Ratio Lower Upper

65 100

67 56.4 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

60000

50000

40000

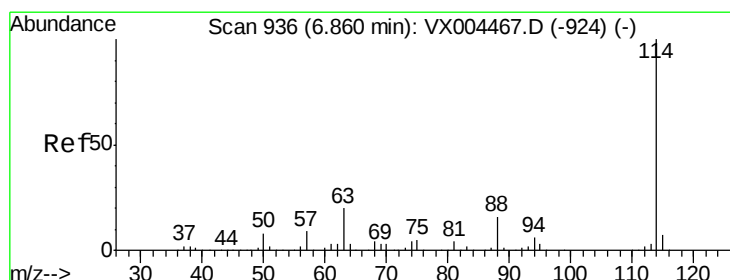
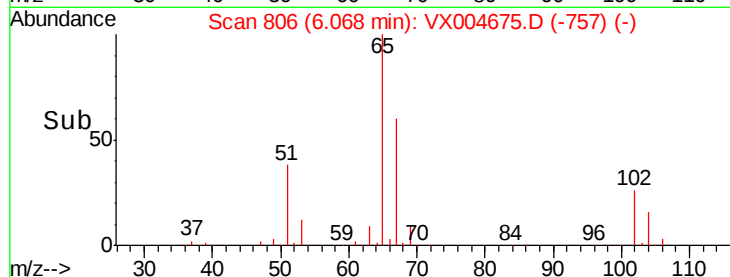
30000

20000

10000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX004675.D

Acq: 18 Sep 2018 23:50

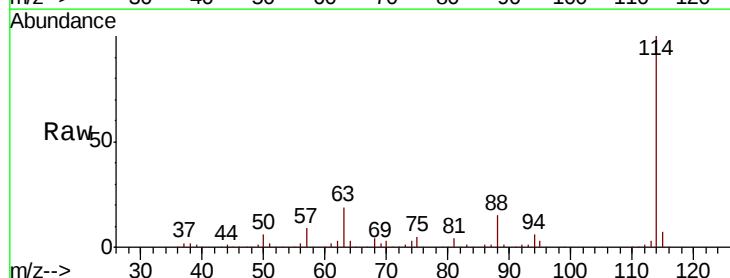
Tgt Ion: 114 Resp: 337493

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.0

88 14.5 0.0 30.4



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

200000

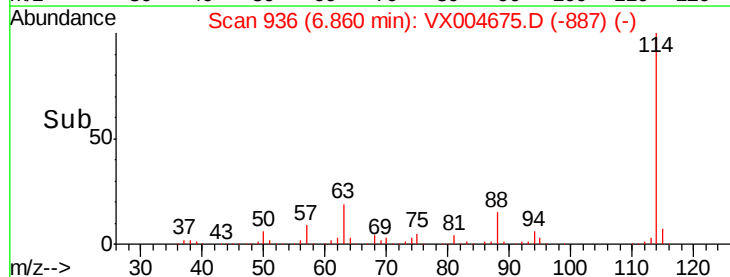
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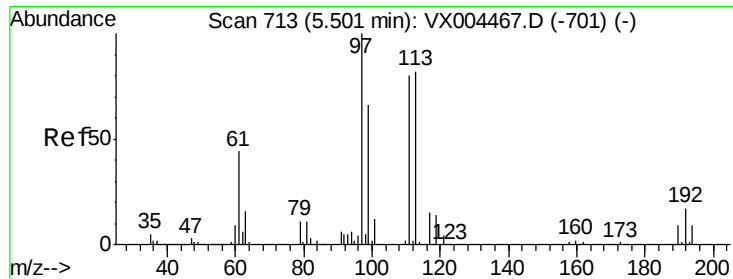
100000

50000

0

Time--> 6.70 6.80 6.90 7.00

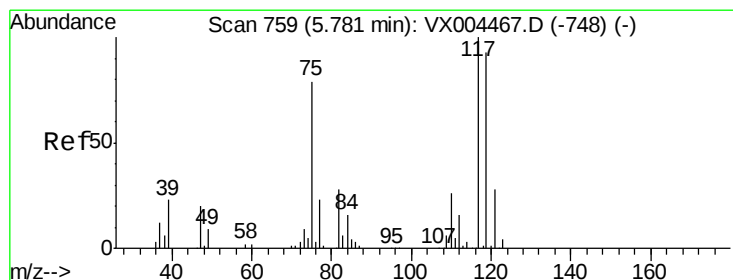
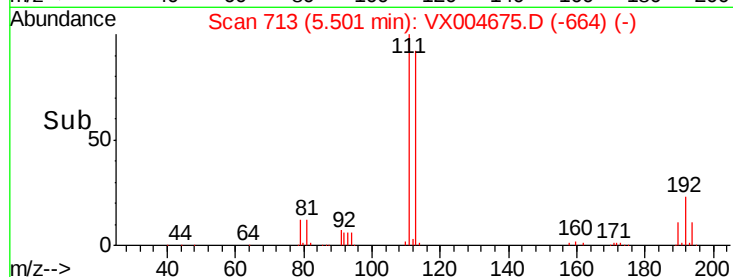
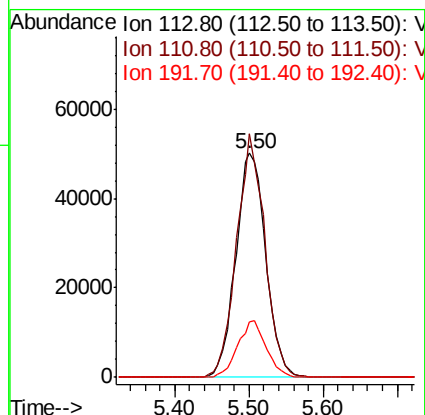
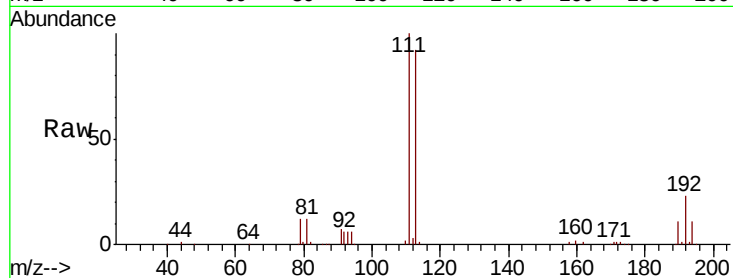




#35
 Dibromofluoromethane
 Concen: 45.981 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004675.D
 Acq: 18 Sep 2018 23:50

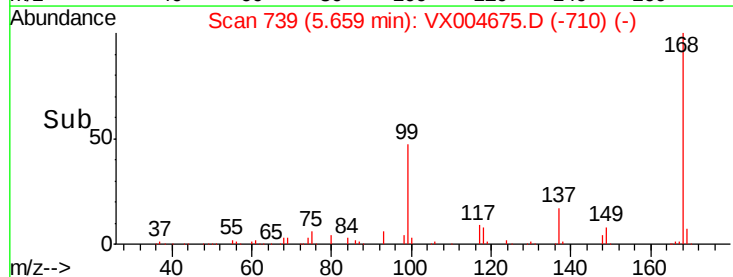
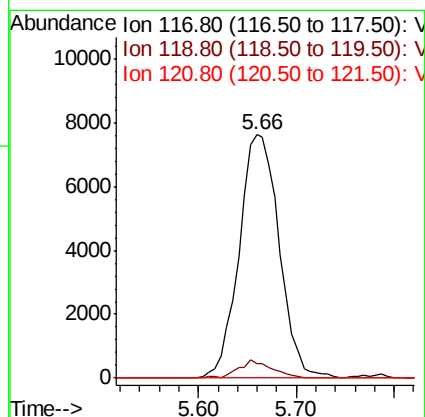
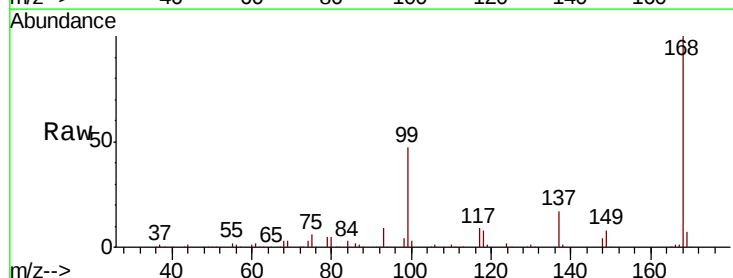
Instrument :
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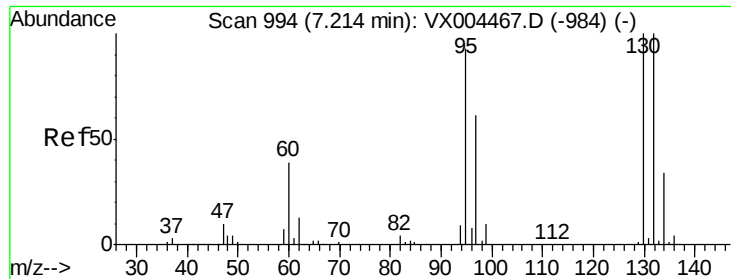
Tgt Ion:113 Resp: 142008
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.4 123.6
 192 23.9 19.4 29.2



#38
 Carbon Tetrachloride
 Concen: 5.413 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX004675.D
 Acq: 18 Sep 2018 23:50

Tgt Ion:117 Resp: 21664
 Ion Ratio Lower Upper
 117 100
 119 6.0 78.8 118.2#
 121 0.0 24.9 37.3#

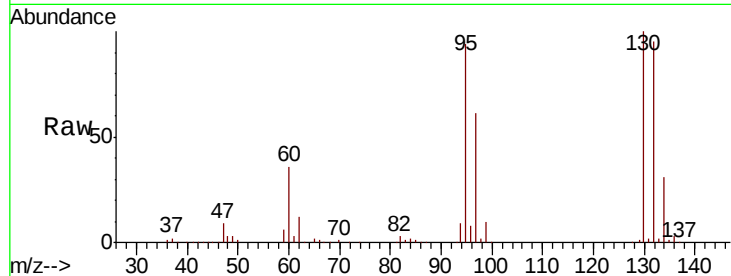




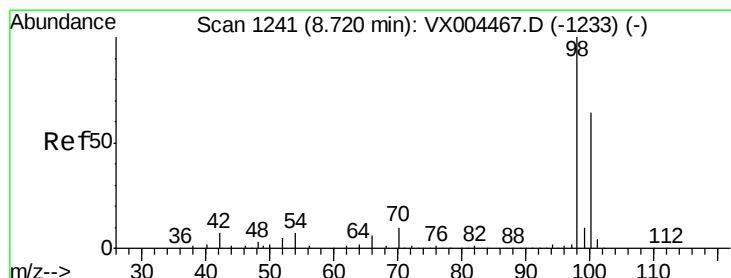
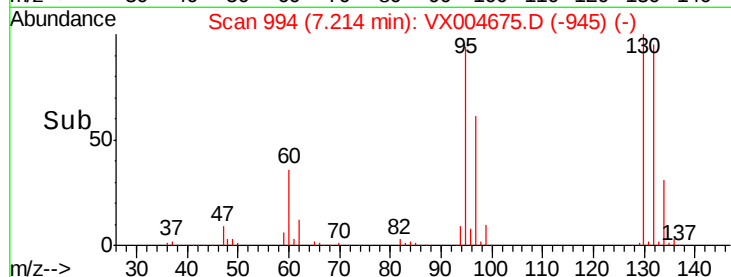
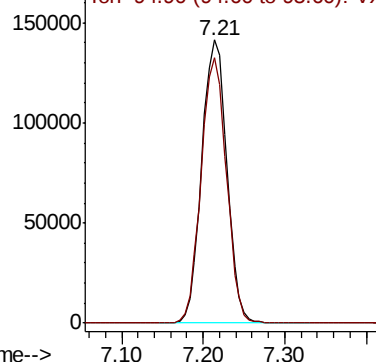
#44
 Trichloroethene
 Concen: 94.667 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX004675.D
 Acq: 18 Sep 2018 23:50

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW305D-20180911DL

Tgt Ion:130 Resp: 298994
 Ion Ratio Lower Upper
 130 100
 95 93.9 0.0 181.6

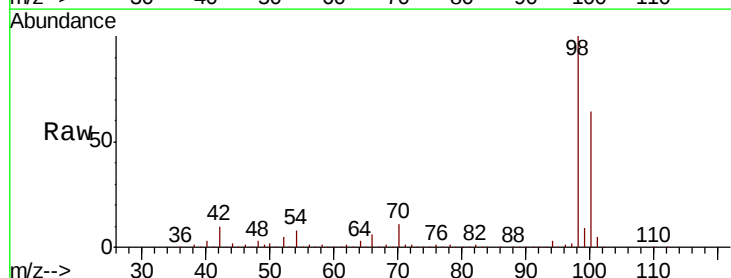


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

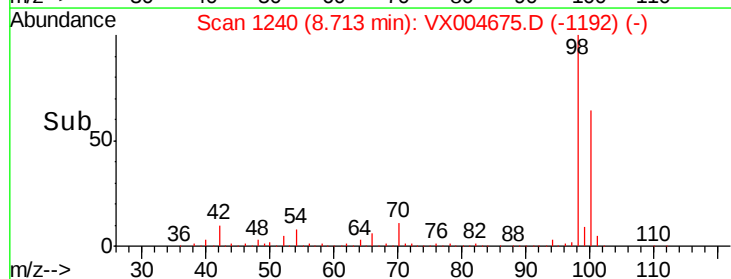
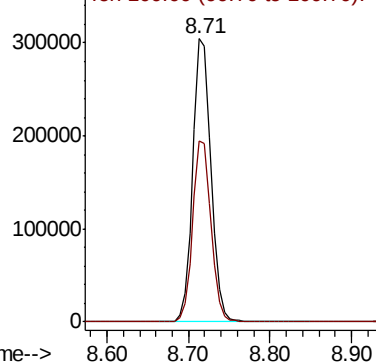


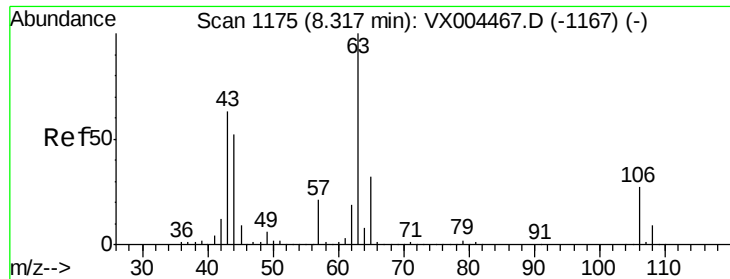
#50
 Toluene-d8
 Concen: 45.851 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.01 min
 Lab File: VX004675.D
 Acq: 18 Sep 2018 23:50

Tgt Ion: 98 Resp: 474876
 Ion Ratio Lower Upper
 98 100
 100 64.2 52.9 79.3



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





#58

2-Chloroethyl Vinyl ether

Concen: 7.304 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX004675.D

Acq: 18 Sep 2018 23:50

Instrument :

MSVOA_X

ClientSampleId :

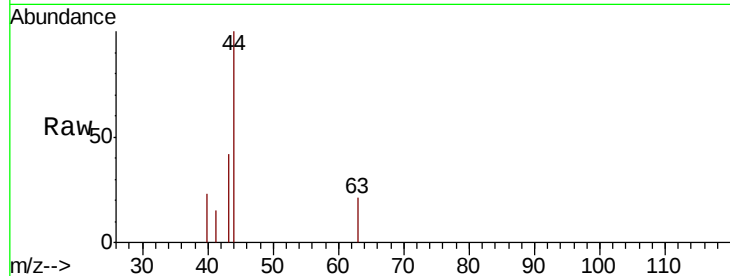
BPS1-TT-MW305D-20180911DL

Tgt Ion: 63 Resp: 73

Ion Ratio Lower Upper

63 100

106 0.0 23.9 35.9#



Abundance Ion 62.90 (62.60 to 63.60): VX004467.D (-1167) (-)

Ion 105.90 (105.60 to 106.60): VX004467.D (-1167) (-)

8.31

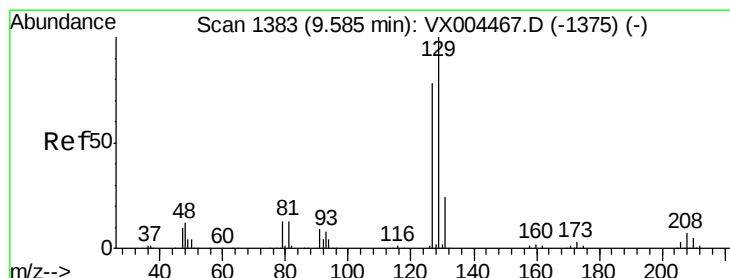
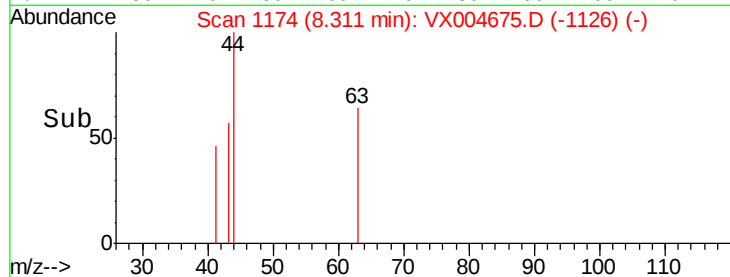
60

40

20

0

Time-->



#60

Dibromochloromethane

Concen: 0.240 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.25 min

Lab File: VX004675.D

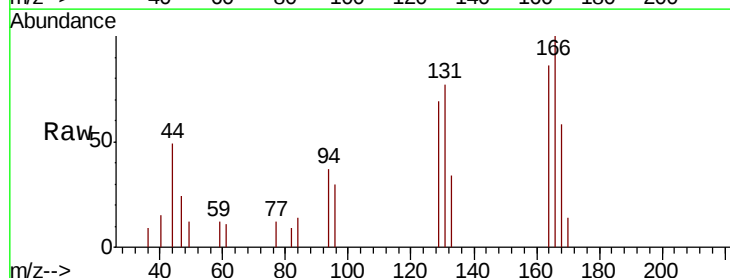
Acq: 18 Sep 2018 23:50

Tgt Ion: 129 Resp: 696

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#



Abundance Ion 128.80 (128.50 to 129.50): VX004467.D (-1375) (-)

Ion 126.80 (126.50 to 127.50): VX004467.D (-1375) (-)

9.34

400

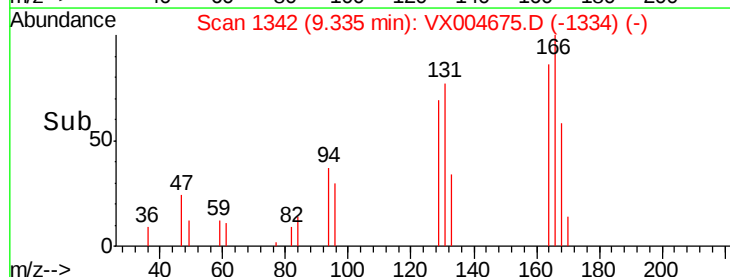
300

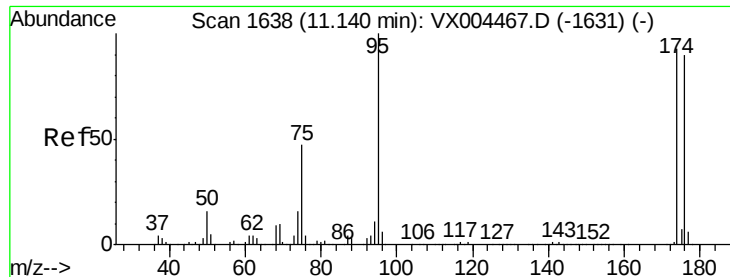
200

100

0

Time-->





#62

4-Bromofluorobenzene

Concen: 45.670 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004675.D

Acq: 18 Sep 2018 23:50

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW305D-20180911DL

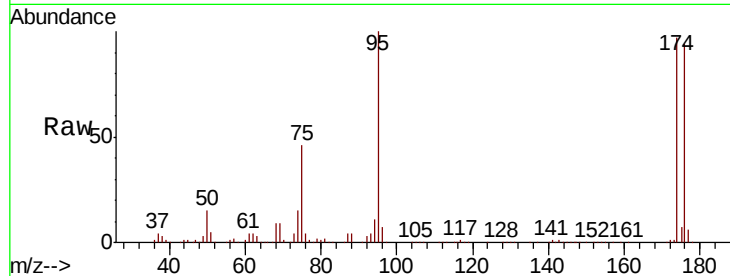
Tgt Ion: 95 Resp: 168841

Ion Ratio Lower Upper

95 100

174 94.6 0.0 185.2

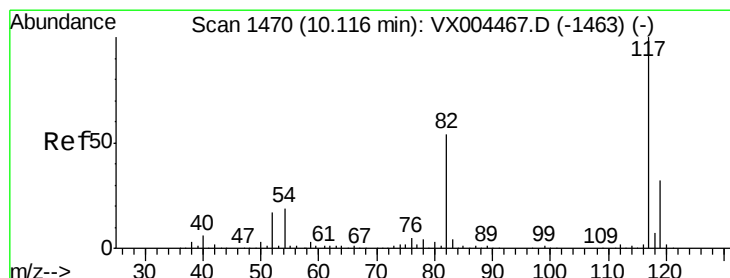
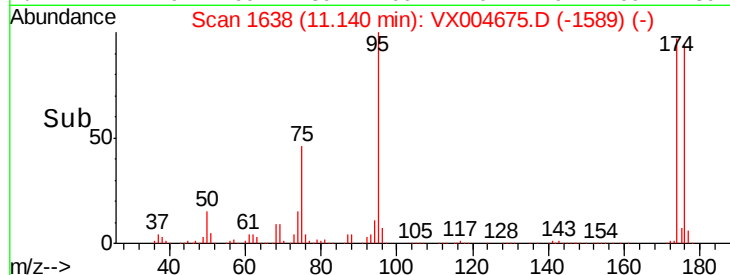
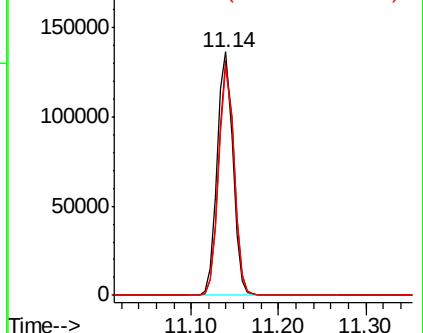
176 91.6 0.0 178.6



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX004675.D

Acq: 18 Sep 2018 23:50

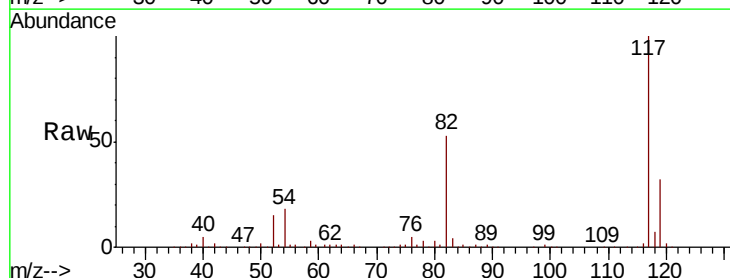
Tgt Ion: 117 Resp: 320492

Ion Ratio Lower Upper

117 100

82 52.6 47.8 71.6

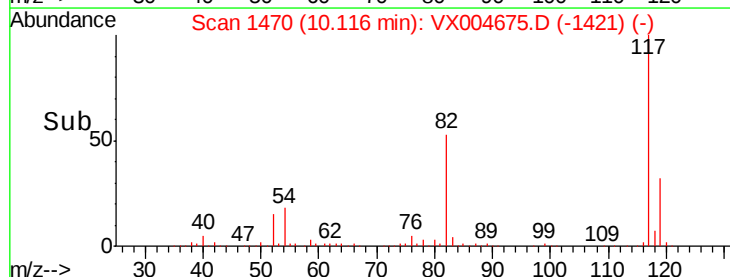
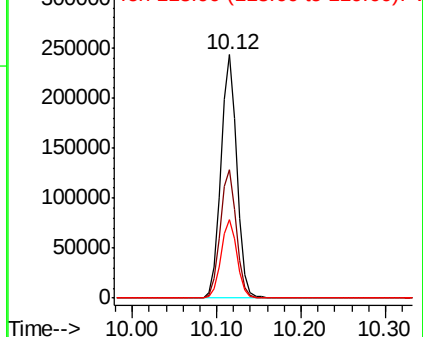
119 32.2 29.3 43.9

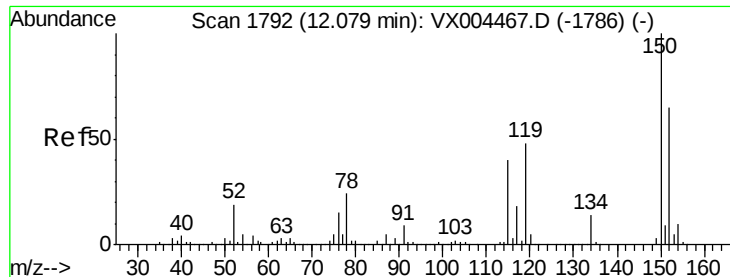


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



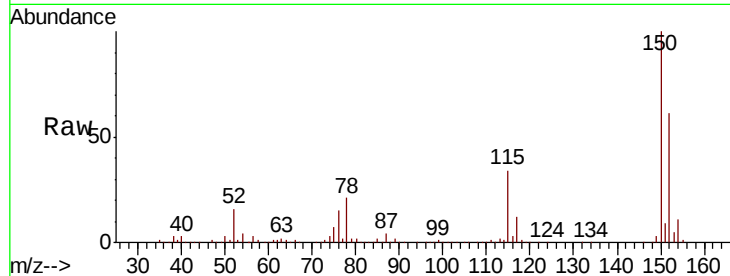


#72

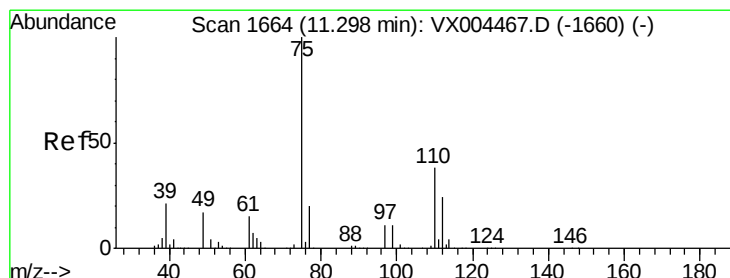
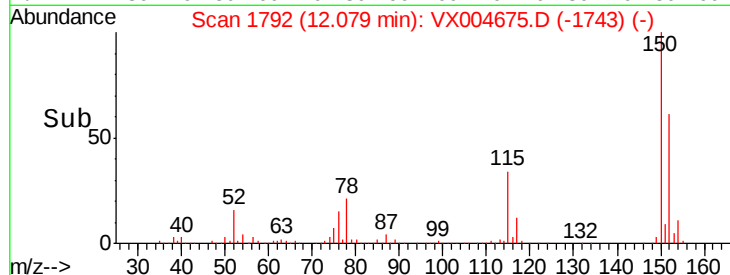
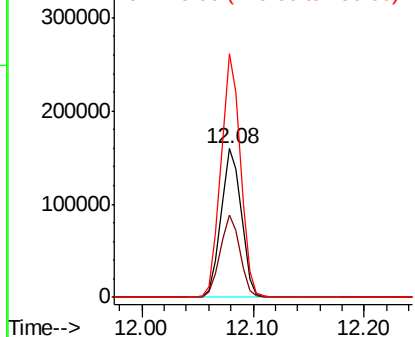
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004675.D
Acq: 18 Sep 2018 23:50

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW305D-20180911DL

Tgt Ion: 152 Resp: 200675
Ion Ratio Lower Upper
152 100
115 53.8 39.0 117.0
150 159.0 0.0 351.0



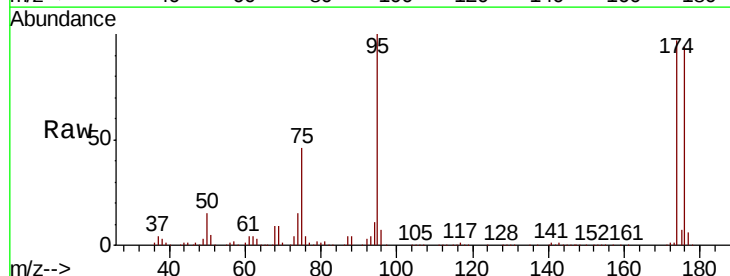
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



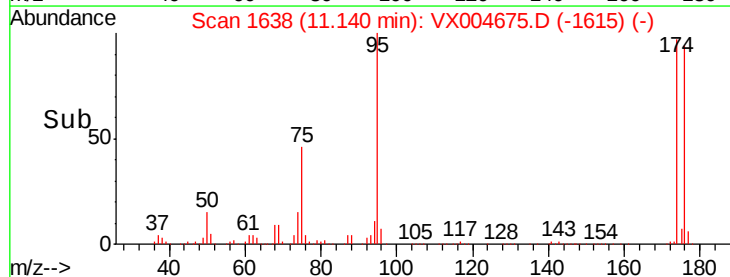
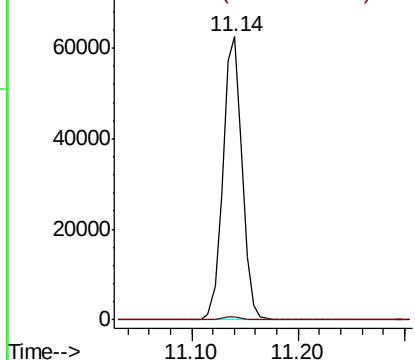
#76

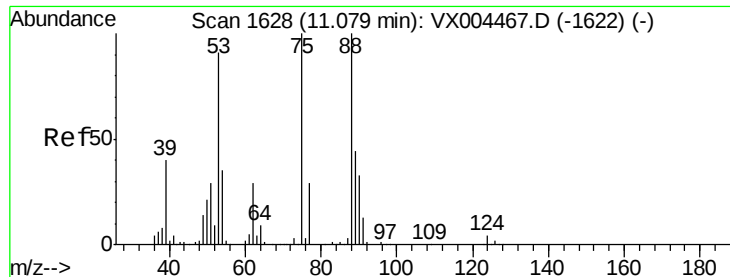
1,2,3-Trichloropropane
Concen: 19.386 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.16 min
Lab File: VX004675.D
Acq: 18 Sep 2018 23:50

Tgt Ion: 75 Resp: 78267
Ion Ratio Lower Upper
75 100
77 1.2 20.2 60.6#



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: 61.791 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004675.D

Acq: 18 Sep 2018 23:50

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW305D-20180911DL

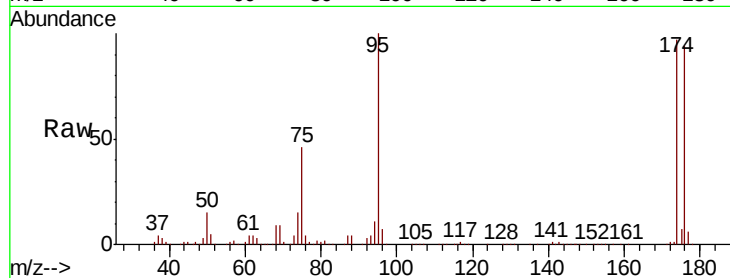
Tgt Ion: 75 Resp: 78267

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

89 0.0 37.2 55.8#

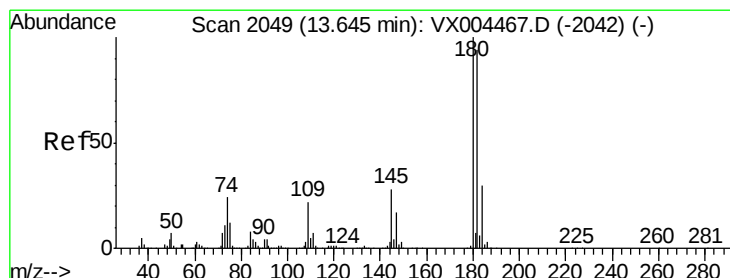
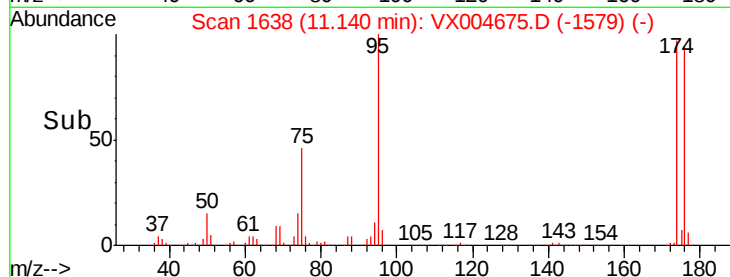
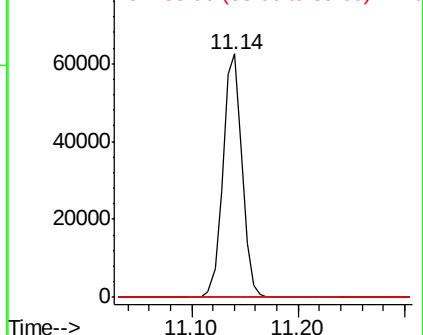


Abundance

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



#93

1,2,4-Trichlorobenzene

Concen: 0.222 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX004675.D

Acq: 18 Sep 2018 23:50

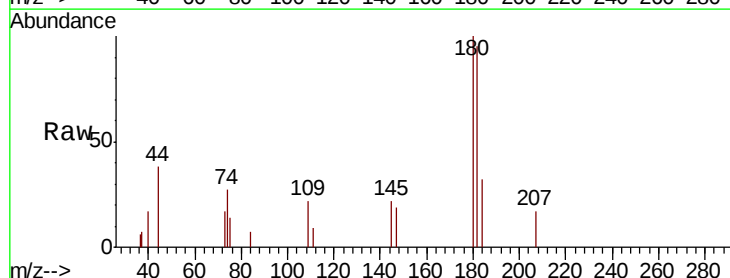
Tgt Ion: 180 Resp: 1086

Ion Ratio Lower Upper

180 100

182 94.4 48.4 145.0

145 24.8 14.3 42.9

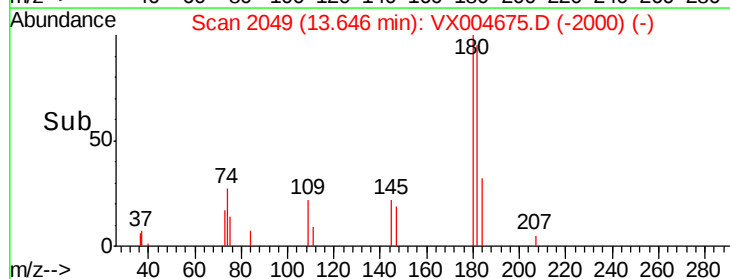
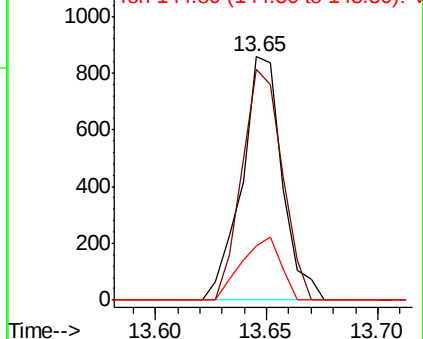


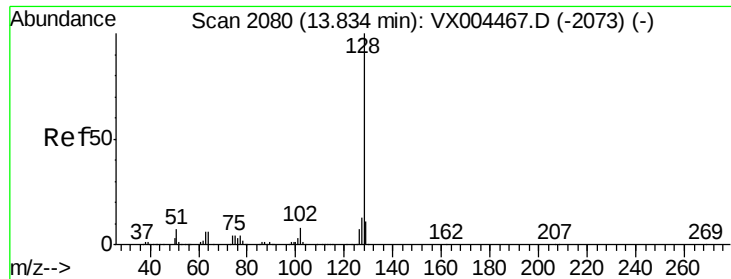
Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95
Naphthalene
Concen: 0.200 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004675.D
Acq: 18 Sep 2018 23:50

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW305D-20180911DL

Tgt Ion:128 Resp: 2741
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.2
129 11.9 8.6 12.8

