

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091518\
 Data File : VX004614.D
 Acq On : 16 Sep 2018 05:19
 Operator : JC/MD
 Sample : J4913-17
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW307I-20180913

Quant Time: Sep 17 08:47:02 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	5.66	168	250438	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	335675	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	322336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	208304	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	166208	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	
35) Dibromofluoromethane	5.51	113	151795	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
50) Toluene-d8	8.72	98	471014	45.72	ug/l	0.00
Spiked Amount			Recovery	=	91.44%	
62) 4-Bromofluorobenzene	11.14	95	168615	45.86	ug/l	0.00
Spiked Amount			Recovery	=	91.72%	

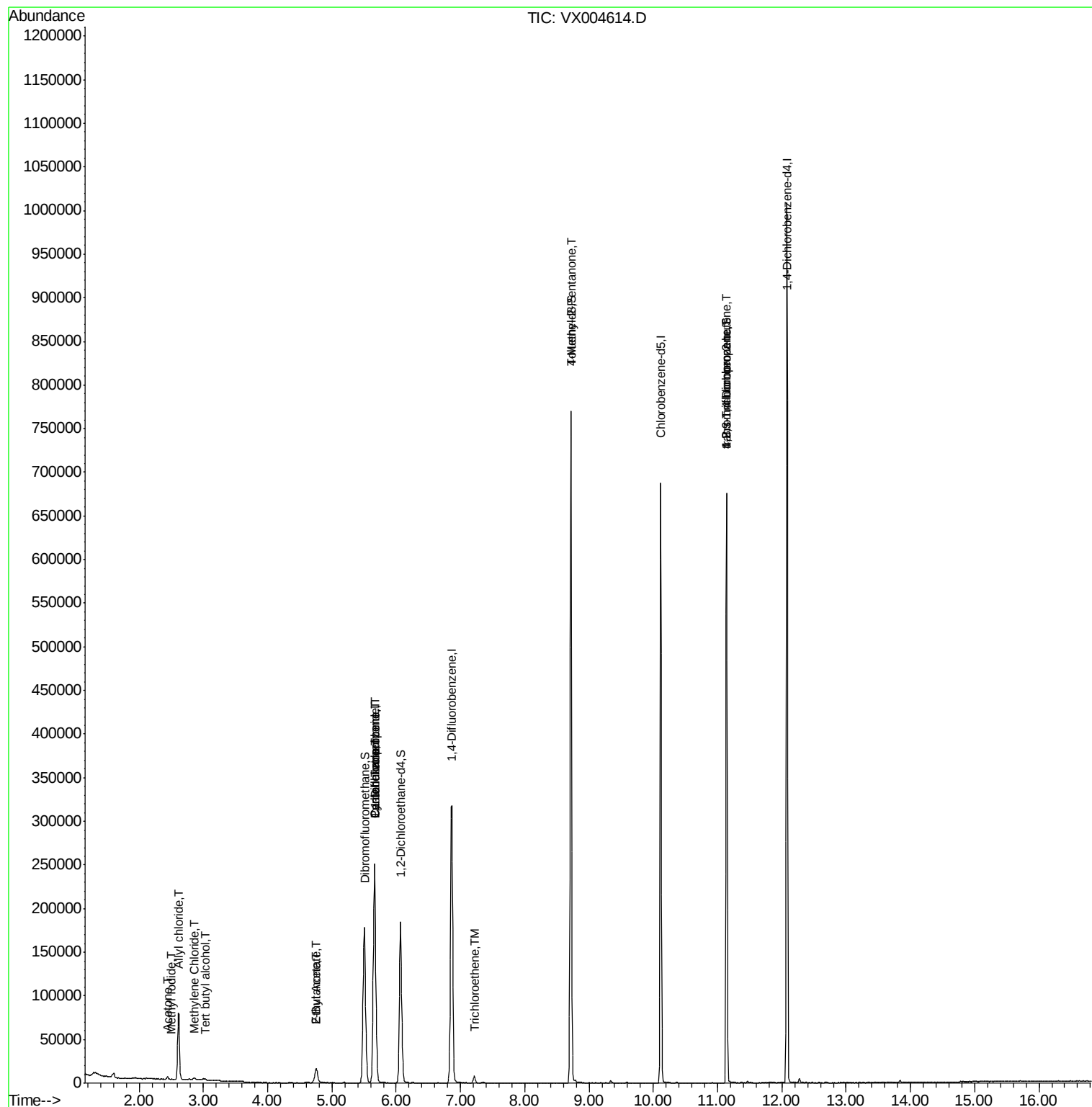
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	391	Below Cal	#	55
10) Methyl Iodide	2.51	142	187	4.31	ug/l #	41
11) Tert butyl alcohol	3.03	59	1271	1.65	ug/l #	72
14) Allyl chloride	2.61	41	8182	1.52	ug/l #	71
16) Acetone	2.44	43	3222	2.04	ug/l	99
20) Methylene Chloride	2.85	84	744	0.23	ug/l #	81
25) 2-Butanone	4.76	43	1143	0.46	ug/l #	47
31) Cyclohexane	5.66	56	4073	0.87	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16467	4.04	ug/l #	49
37) Ethyl Acetate	4.76	43	1143	0.25	ug/l #	8
38) Carbon Tetrachloride	5.66	117	21418	5.38	ug/l #	16
44) Trichloroethene	7.21	130	3145	1.00	ug/l	74
51) 4-Methyl-2-Pentanone	8.71	43	1924	0.44	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	78869	18.82	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	78869	59.99	ug/l #	10

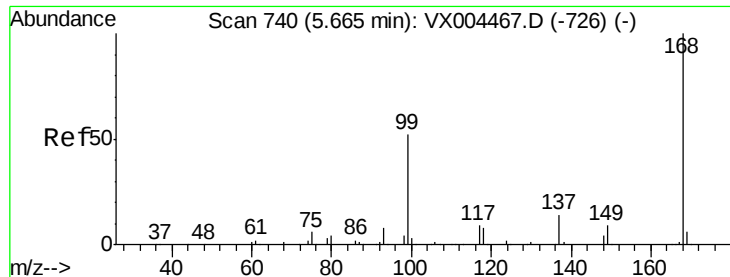
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX004614.D

Acq: 16 Sep 2018 05:19

Instrument :

MSVOA_X

ClientSampleId :

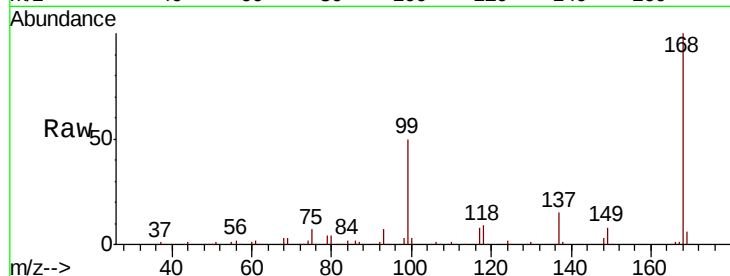
BPS1-TT-MW307I-20180913

Tot Ion:168 Resp: 250438

Ion Ratio Lower Upper

168 100

99 49.6 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

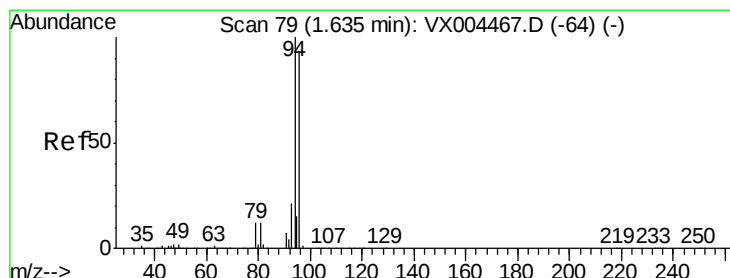
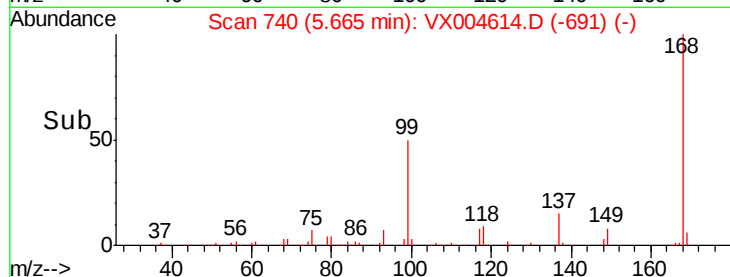
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX004614.D

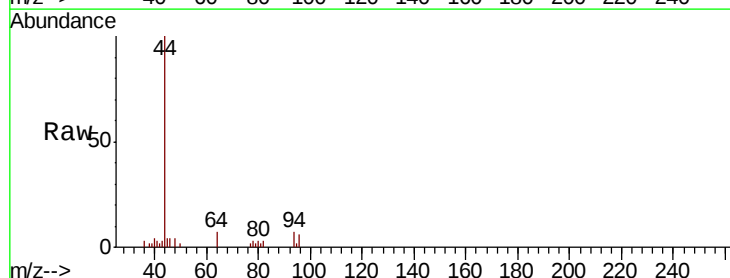
Acq: 16 Sep 2018 05:19

Tgt Ion: 94 Resp: 391

Ion Ratio Lower Upper

94 100

96 49.6 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

300

250

200

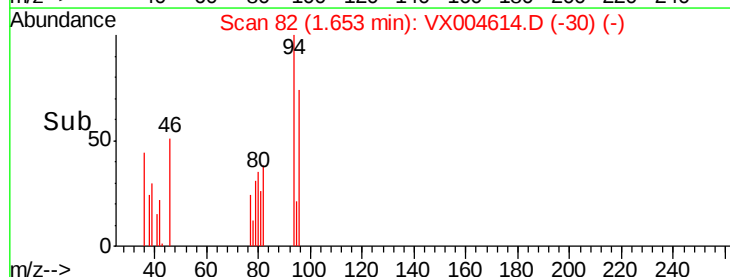
150

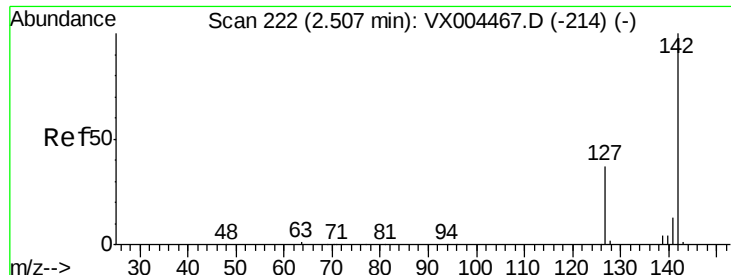
100

50

0

Time--> 1.62 1.64 1.66

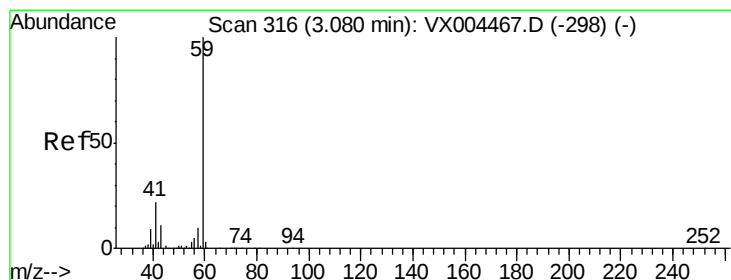
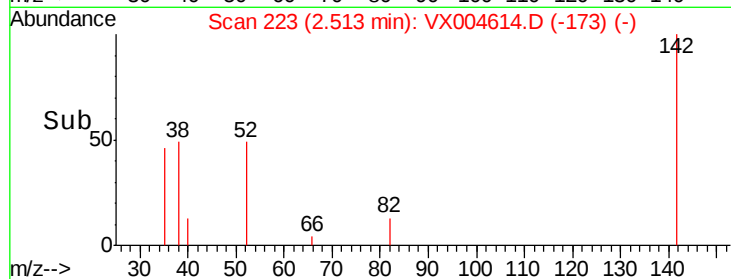
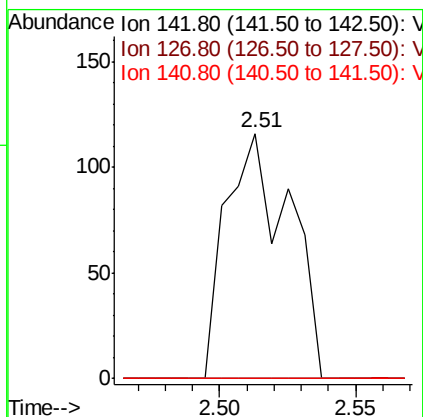
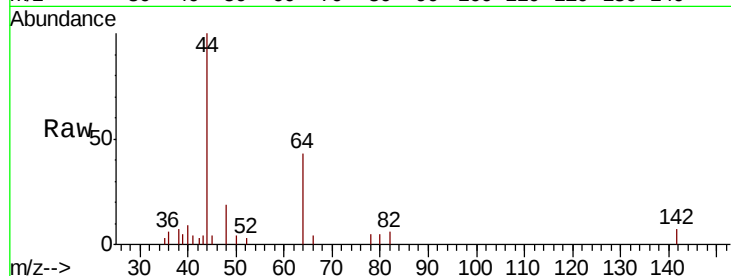




#10
Methyl Iodide
Concen: 4.31 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX004614.D
Acq: 16 Sep 2018 05:19

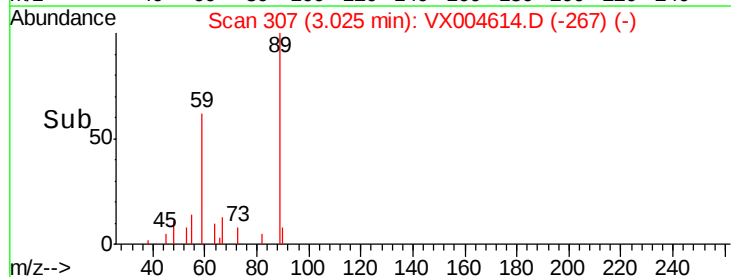
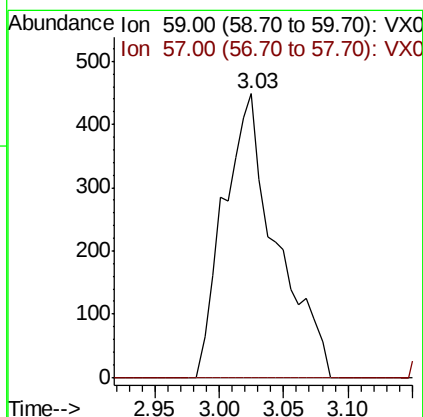
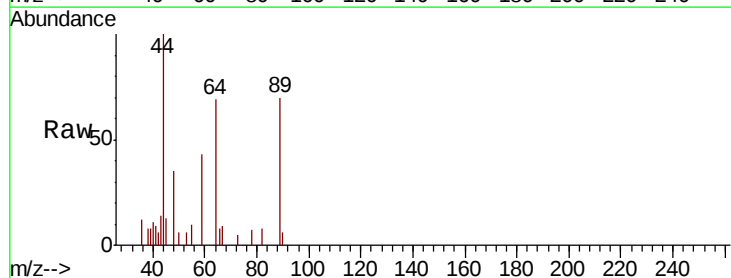
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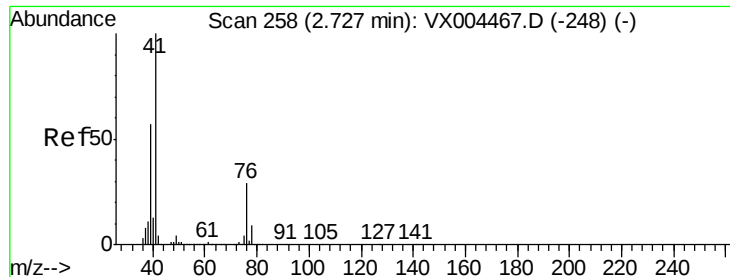
Tot Ion:142 Resp: 187
Ion Ratio Lower Upper
142 100
127 0.0 33.8 50.6#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 1.65 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.06 min
Lab File: VX004614.D
Acq: 16 Sep 2018 05:19

Tgt Ion: 59 Resp: 1271
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

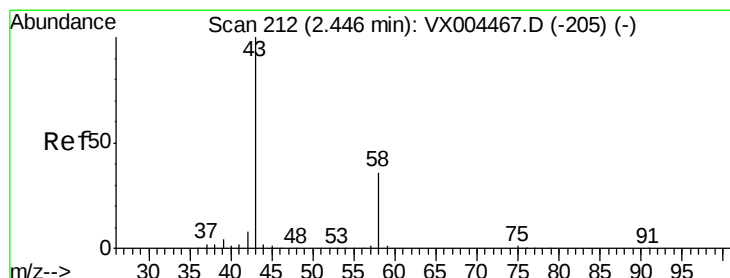
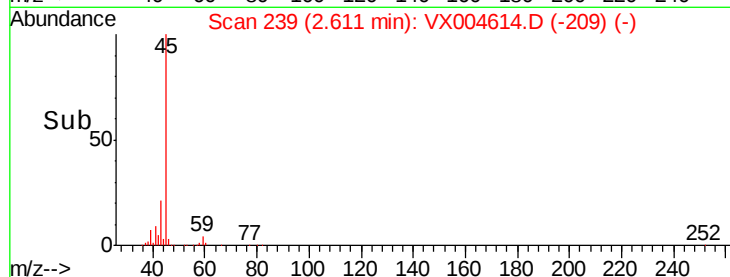
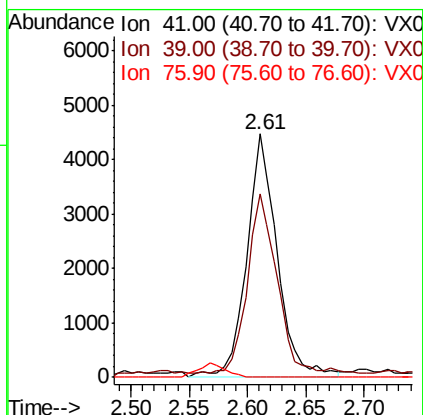
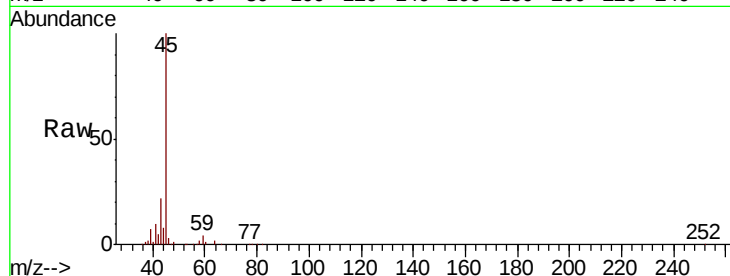




#14
Allvl chloride
Concen: 1.52 ug/l
RT: 2.61 min Scan# 239
Delta R.T. -0.12 min
Lab File: VX004614.D
Acq: 16 Sep 2018 05:19

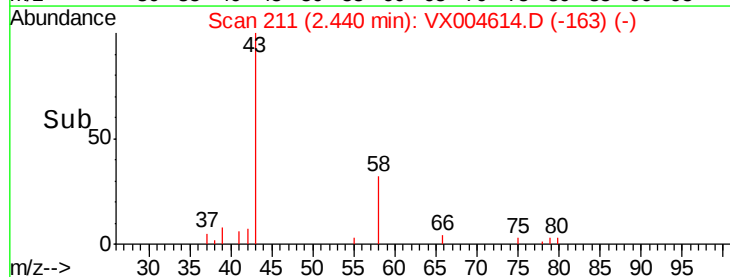
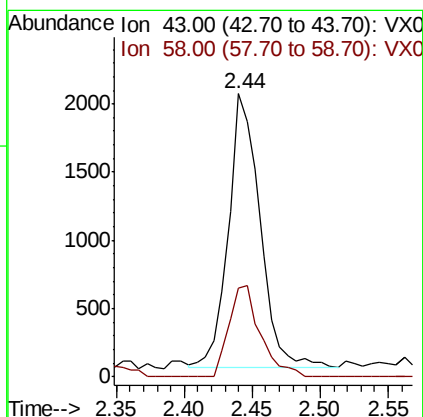
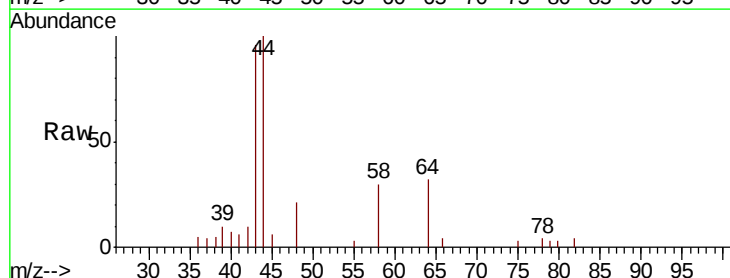
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW307I-20180913

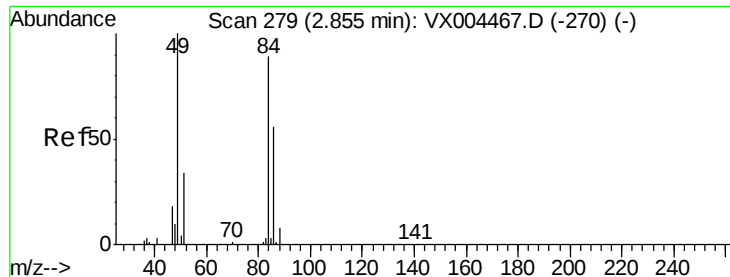
Tot Ion: 41 Resp: 8182
Ion Ratio Lower Upper
41 100
39 70.4 48.9 73.3
76 0.0 26.7 40.1#



#16
Acetone
Concen: 2.04 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX004614.D
Acq: 16 Sep 2018 05:19

Tgt Ion: 43 Resp: 3222
Ion Ratio Lower Upper
43 100
58 32.4 26.2 39.4

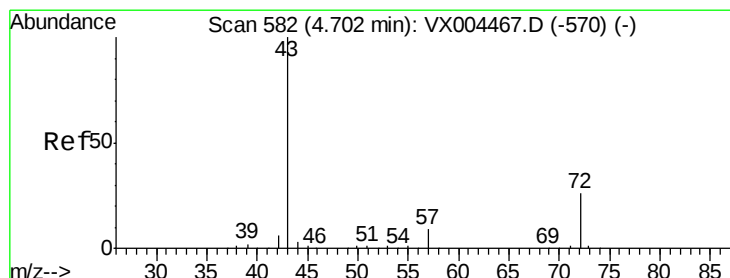
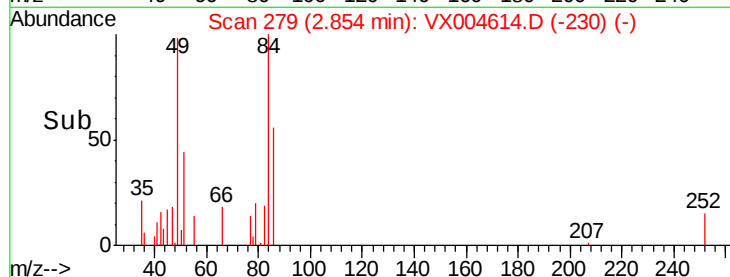
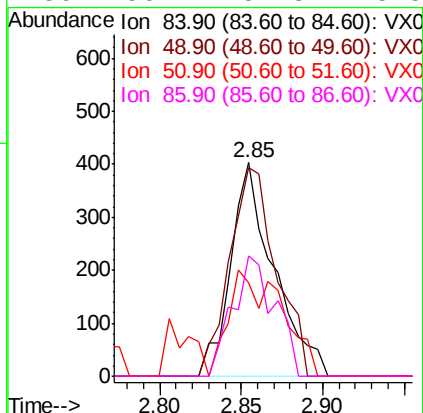
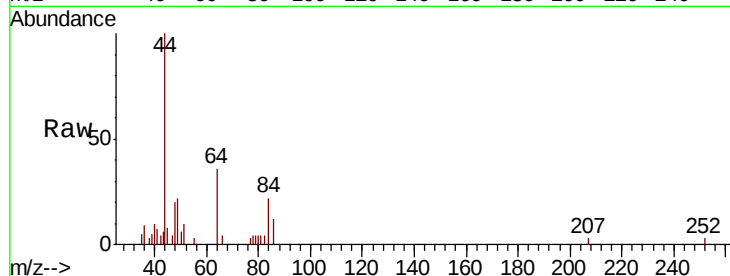




#20
Methvlene Chloride
Concen: 0.23 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004614.D
Acq: 16 Sep 2018 05:19

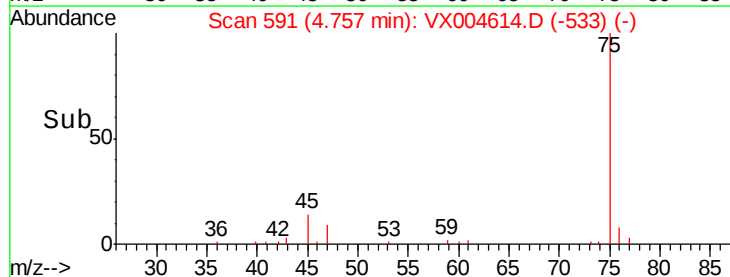
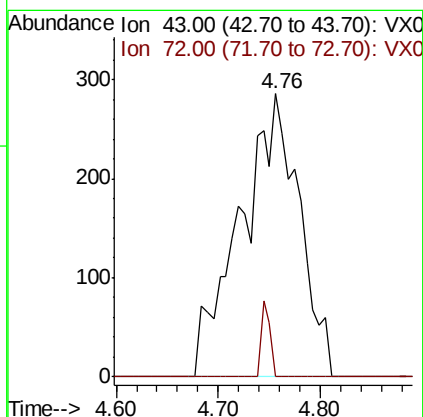
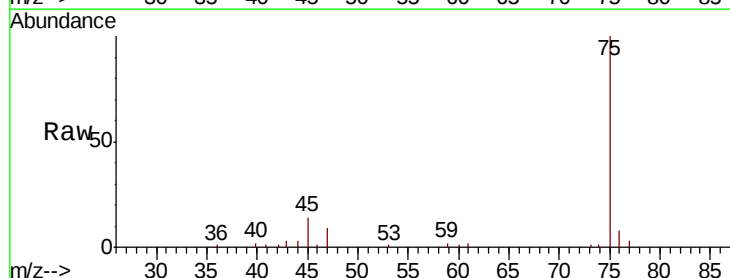
Instrument :
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ClientSampleId :
BPS1-TT-MW307I-20180913

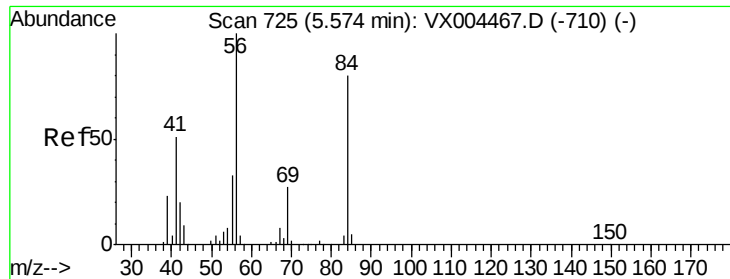
Tot Ion: 84 Resp: 744
Ion Ratio Lower Upper
84 100
49 97.8 101.2 151.8#
51 43.7 29.5 44.3
86 56.1 52.3 78.5



#25
2-Butanone
Concen: 0.46 ug/l
RT: 4.76 min Scan# 591
Delta R.T. 0.05 min
Lab File: VX004614.D
Acq: 16 Sep 2018 05:19

Tgt Ion: 43 Resp: 1143
Ion Ratio Lower Upper
43 100
72 0.0 22.0 33.0#

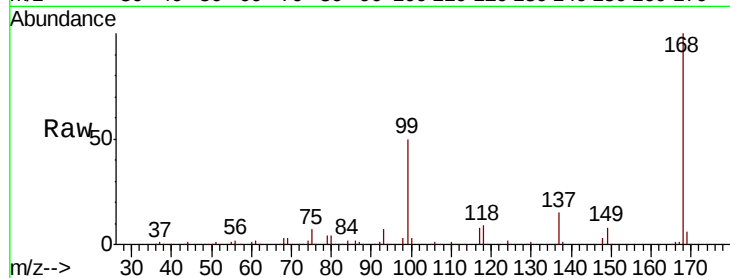




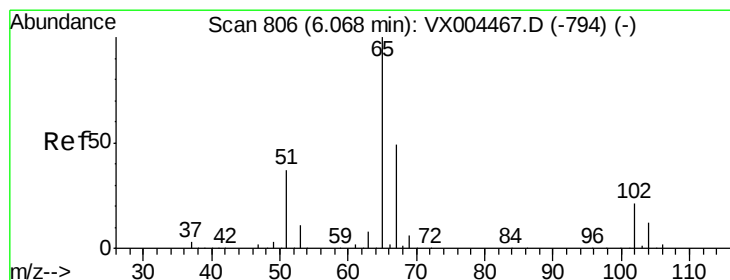
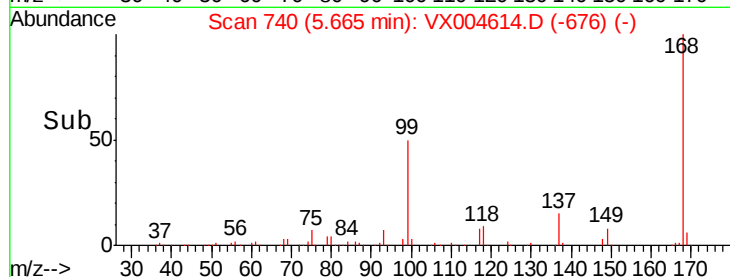
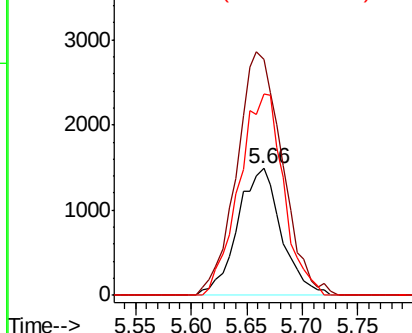
#31
Cyclohexane
Concen: 0.87 ug/l
RT: 5.66 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX004614.D
Acq: 16 Sep 2018 05:19

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW307I-20180913

Tot Ion: 56 Resp: 4073
Ion Ratio Lower Upper
56 100
69 186.1 25.4 38.2#
84 158.7 71.4 107.2#

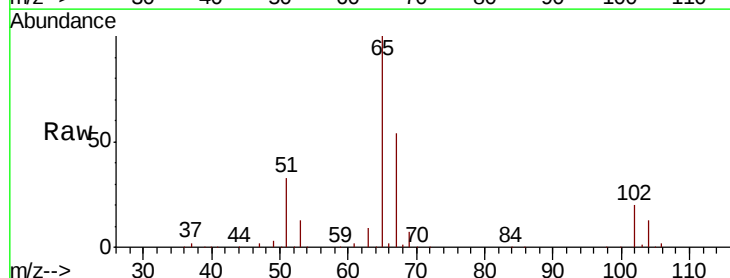


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

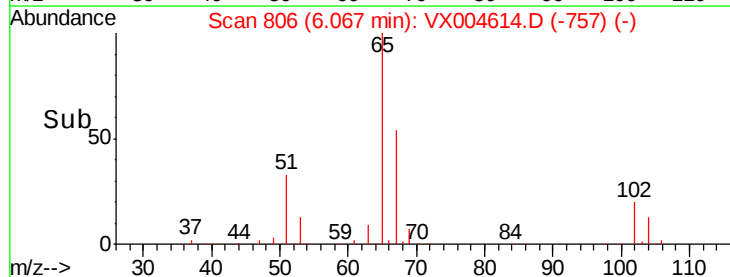
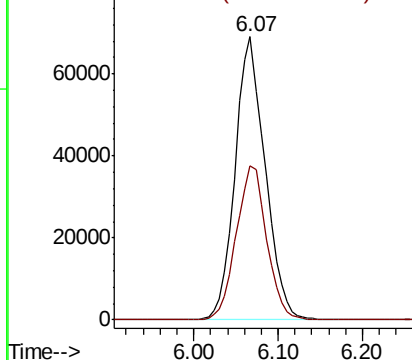


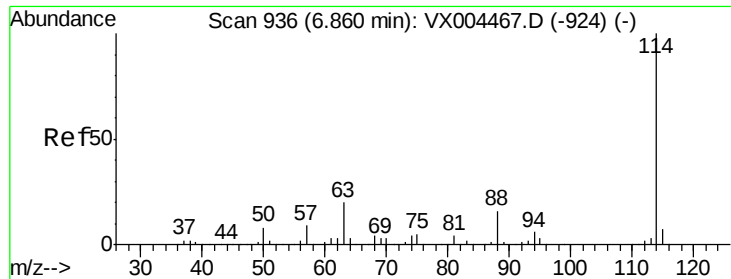
#33
1,2-Dichloroethane-d4
Concen: 51.47 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX004614.D
Acq: 16 Sep 2018 05:19

Tgt Ion: 65 Resp: 166208
Ion Ratio Lower Upper
65 100
67 55.1 0.0 106.8



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

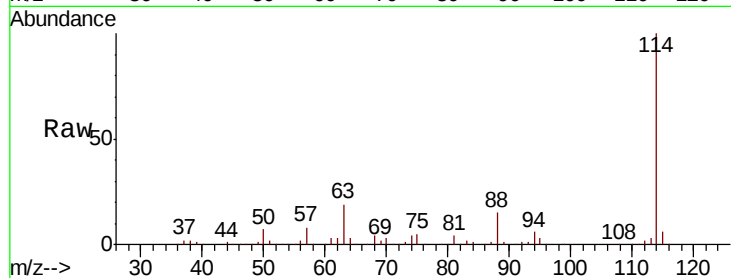




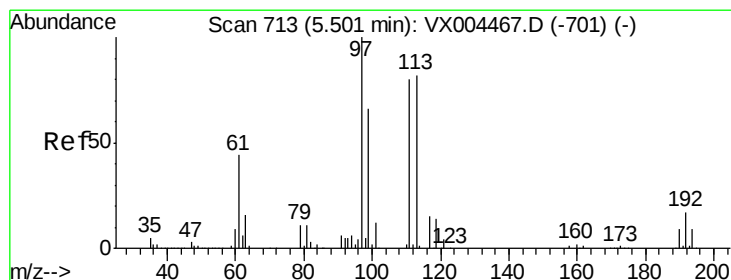
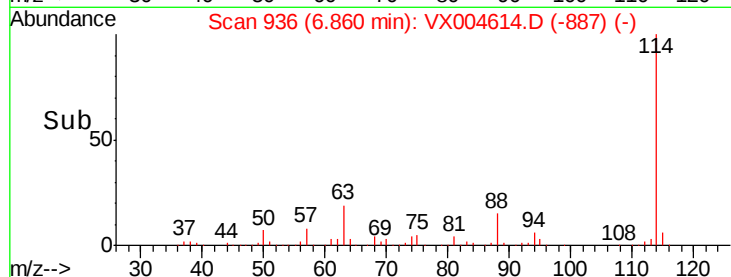
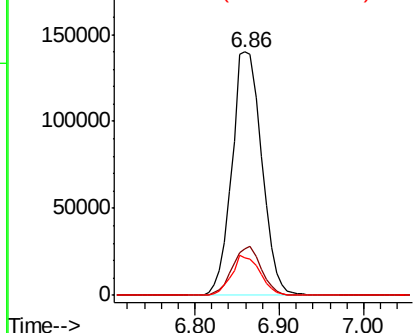
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004614.D
 Acq: 16 Sep 2018 05:19

Instrument :
 MSVOA_X
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Tot Ion:114 Resp: 335675
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.0
 88 15.3 0.0 30.4

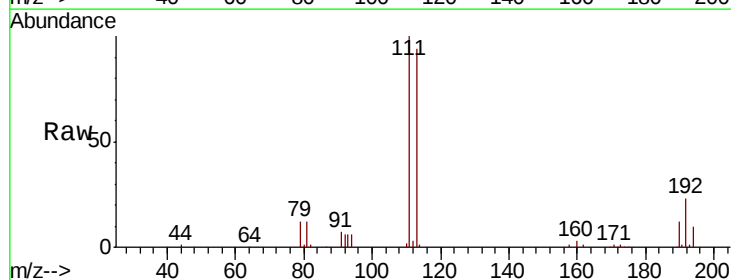


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

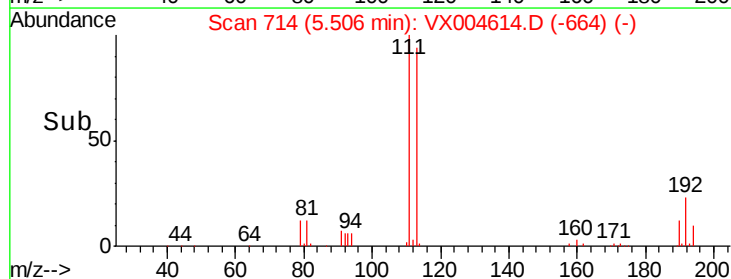
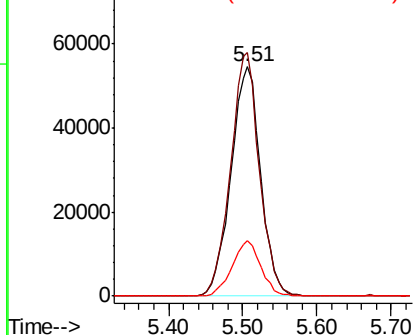


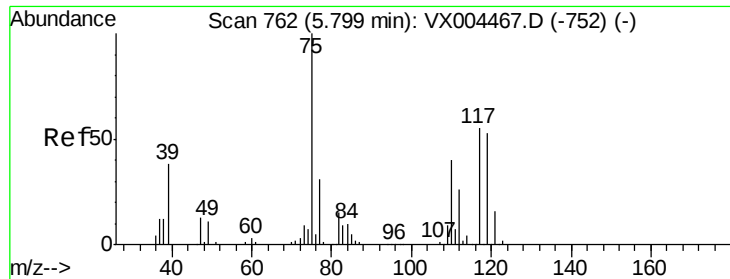
#35
 Dibromofluoromethane
 Concen: 49.42 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004614.D
 Acq: 16 Sep 2018 05:19

Tgt Ion:113 Resp: 151795
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.4 123.6
 192 23.5 19.4 29.2



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

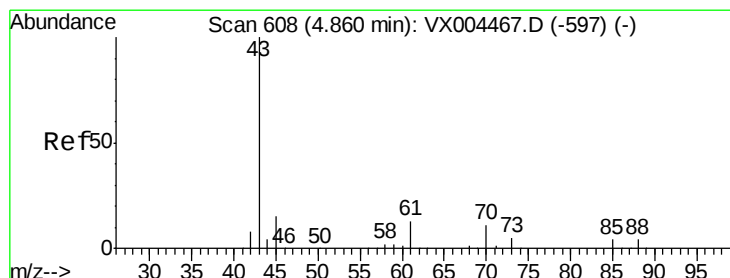
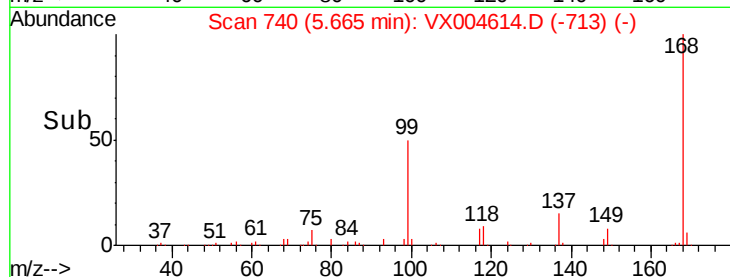
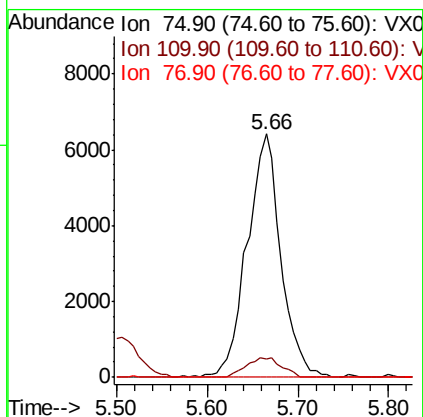
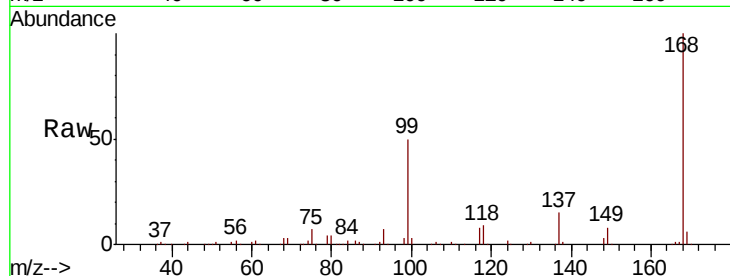




#36
 1,1-Dichloropropene
 Concen: 4.04 ug/l
 RT: 5.66 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX004614.D
 Acq: 16 Sep 2018 05:19

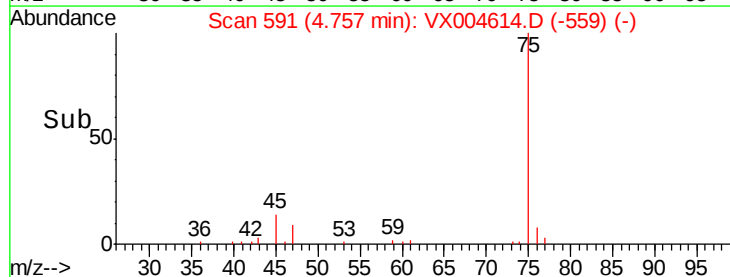
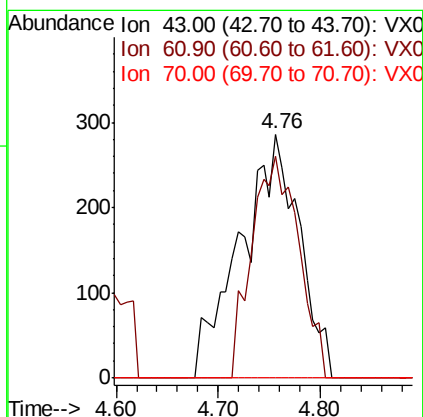
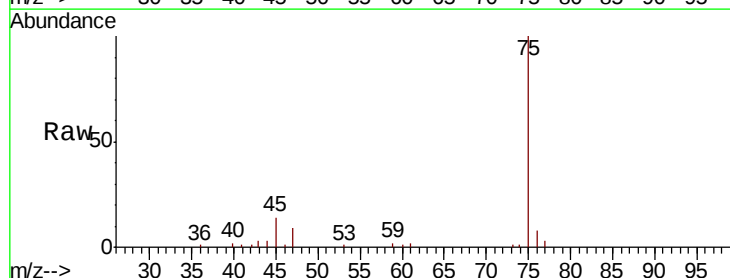
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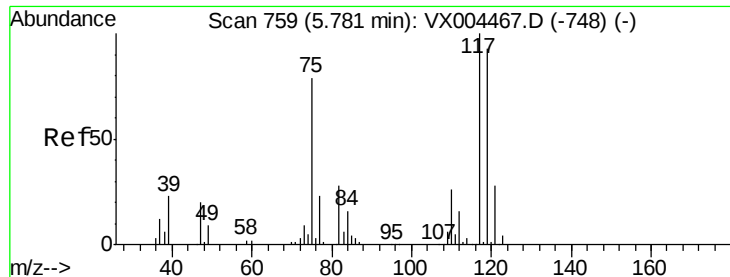
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.4	18.0	54.0#
77	0.0	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 0.25 ug/l
 RT: 4.76 min Scan# 591
 Delta R.T. -0.10 min
 Lab File: VX004614.D
 Acq: 16 Sep 2018 05:19

Tgt Ion	Ratio	Lower	Upper
43	100		
61	72.2	11.5	17.3#
70	0.0	9.0	13.6#

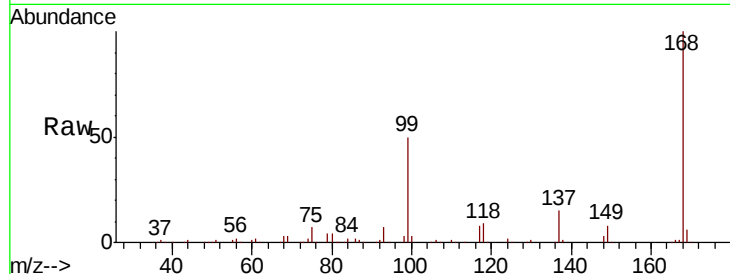




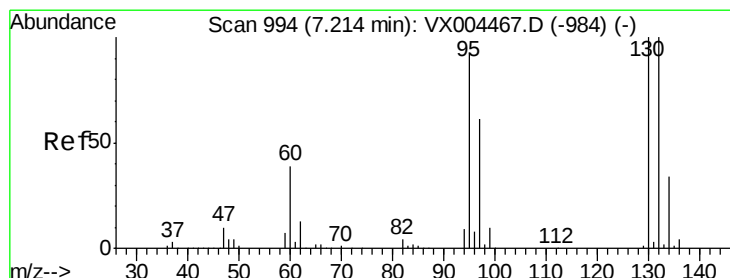
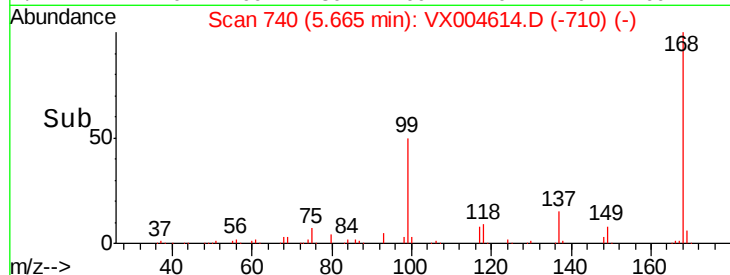
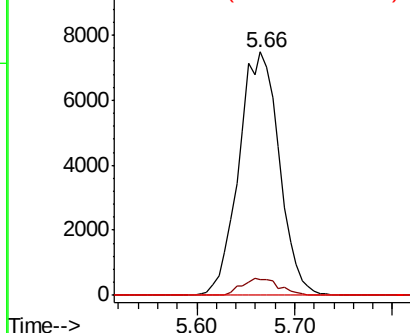
#38
Carbon Tetrachloride
Concen: 5.38 ug/l
RT: 5.66 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX004614.D
Acq: 16 Sep 2018 05:19

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW3071-20180913

Tot Ion:117 Resp: 21418
Ion Ratio Lower Upper
117 100
119 6.3 78.8 118.2#
121 0.0 24.9 37.3#

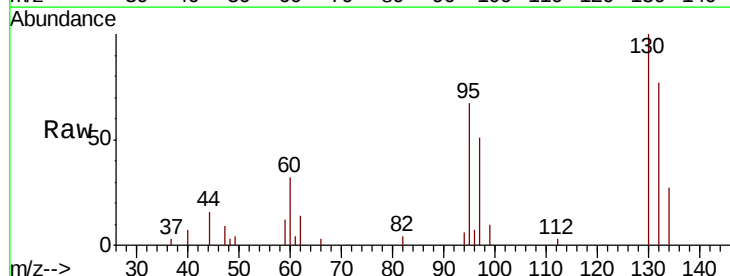


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

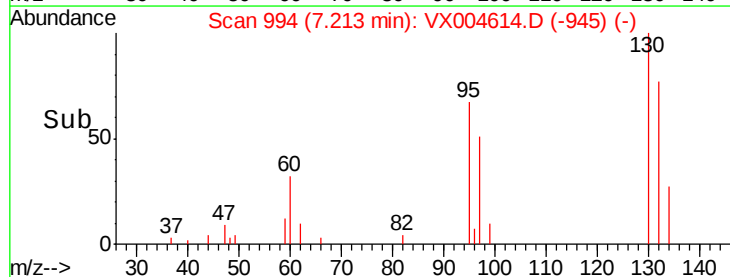
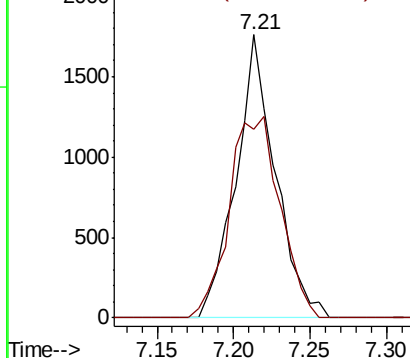


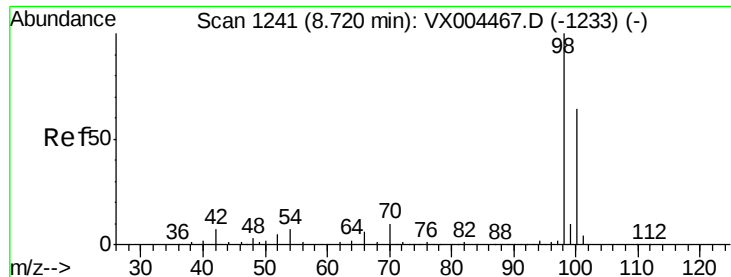
#44
Trichloroethene
Concen: 1.00 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX004614.D
Acq: 16 Sep 2018 05:19

Tgt Ion:130 Resp: 3145
Ion Ratio Lower Upper
130 100
95 66.6 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: 45.72 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX004614.D

Acq: 16 Sep 2018 05:19

Instrument :

MSVOA_X

ClientSampleId :

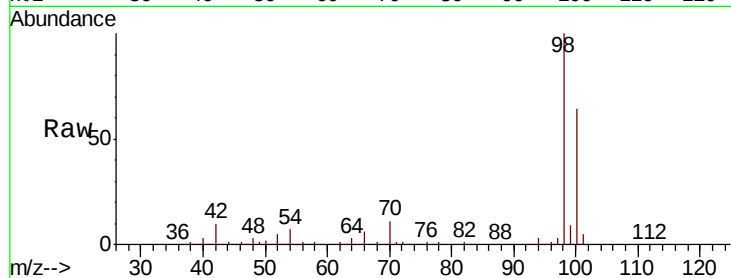
BPS1-TT-MW307I-20180913

Tot Ion: 98 Resp: 471014

Ion Ratio Lower Upper

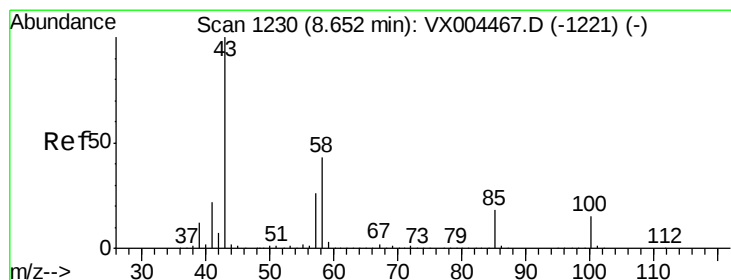
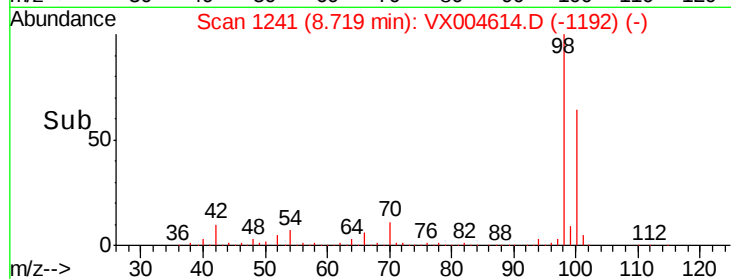
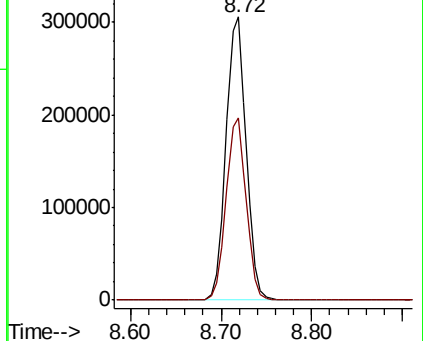
98 100

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): VX0



#51

4-Methyl-2-Pentanone

Concen: 0.44 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.06 min

Lab File: VX004614.D

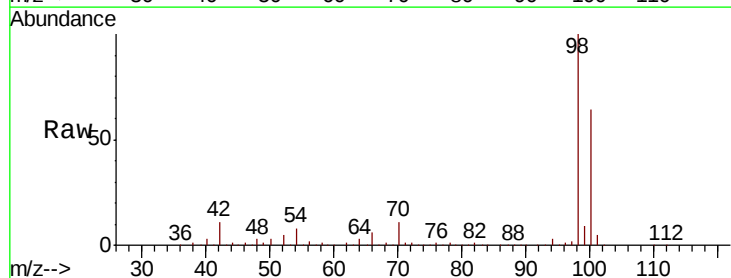
Acq: 16 Sep 2018 05:19

Tgt Ion: 43 Resp: 1924

Ion Ratio Lower Upper

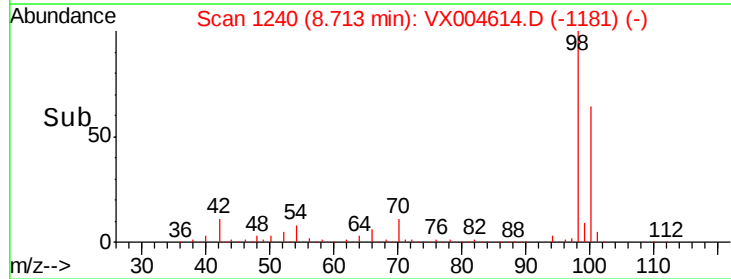
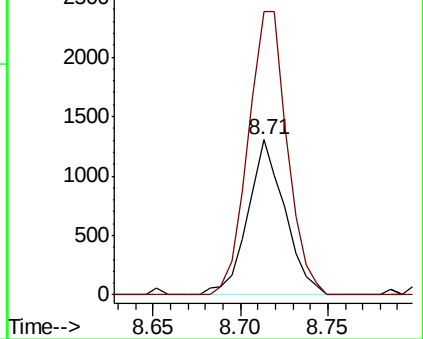
43 100

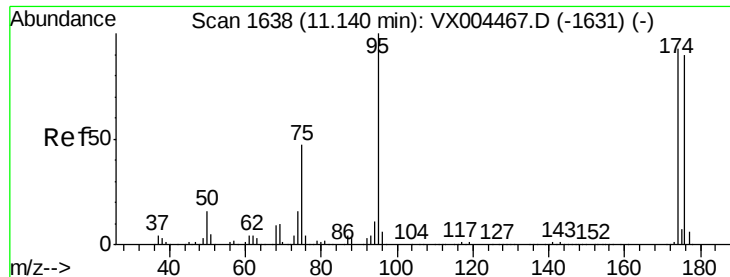
58 192.0 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 45.86 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004614.D

Acq: 16 Sep 2018 05:19

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW307I-20180913

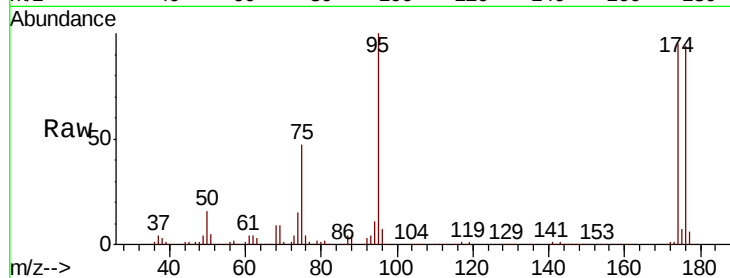
Tot Ion: 95 Resp: 168615

Ion Ratio Lower Upper

95 100

174 93.4 0.0 185.2

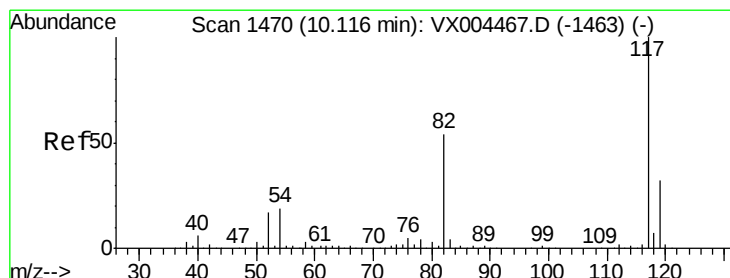
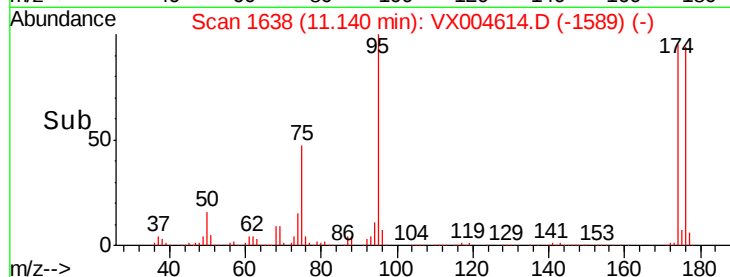
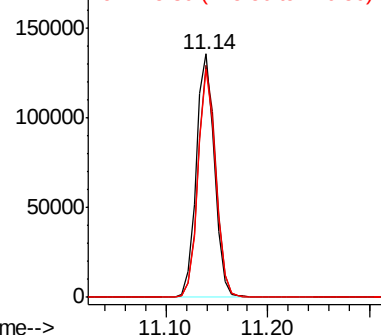
176 90.5 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX004467.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX004467.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX004467.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX004614.D

Acq: 16 Sep 2018 05:19

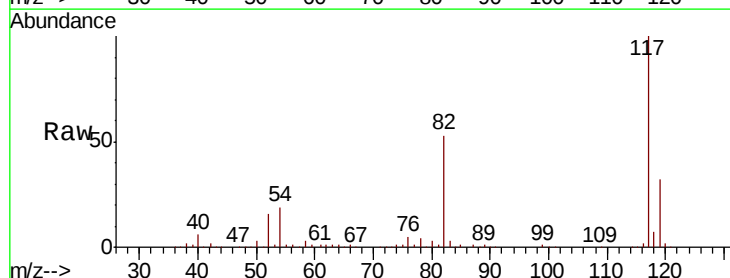
Tgt Ion: 117 Resp: 322336

Ion Ratio Lower Upper

117 100

82 53.1 47.8 71.6

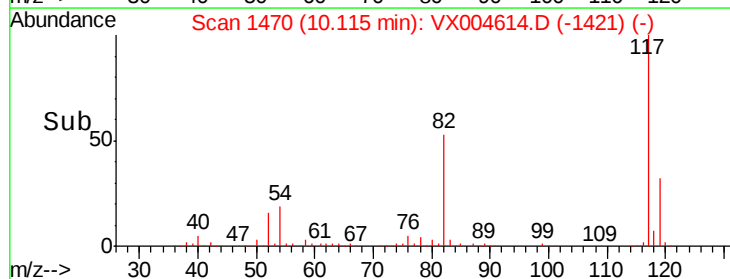
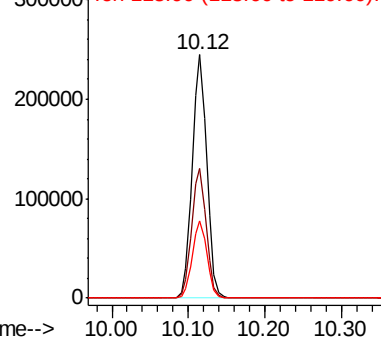
119 31.9 29.3 43.9

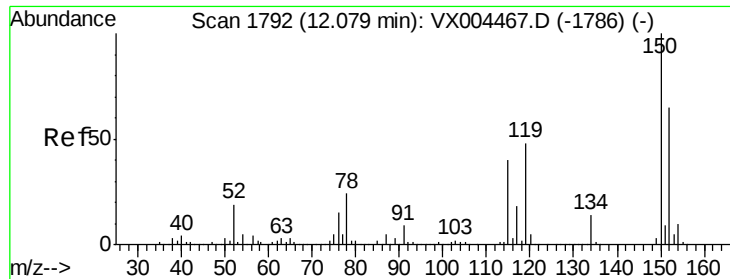


Abundance Ion 116.90 (116.60 to 117.60): VX004467.D (-1463) (-)

Ion 82.00 (81.70 to 82.70): VX004467.D (-1463) (-)

Ion 118.90 (118.60 to 119.60): VX004467.D (-1463) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004614.D

Acq: 16 Sep 2018 05:19

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW307I-20180913

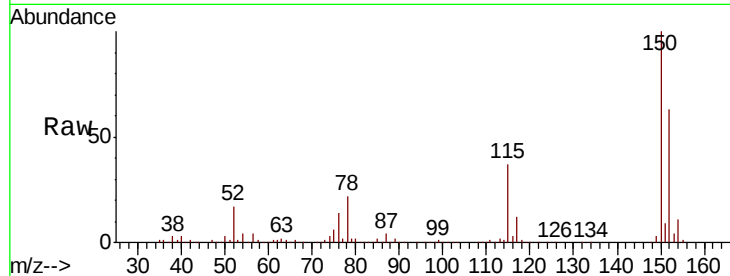
Tot Ion:152 Resp: 208304

Ion Ratio Lower Upper

152 100

115 55.4 39.0 117.0

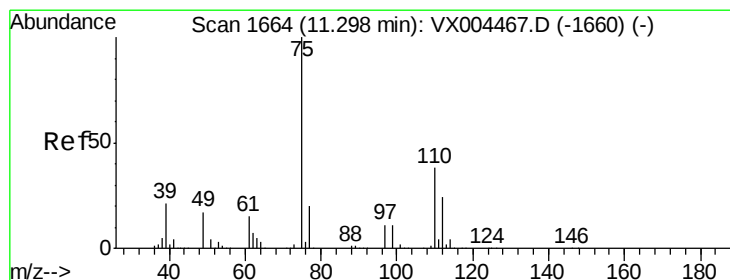
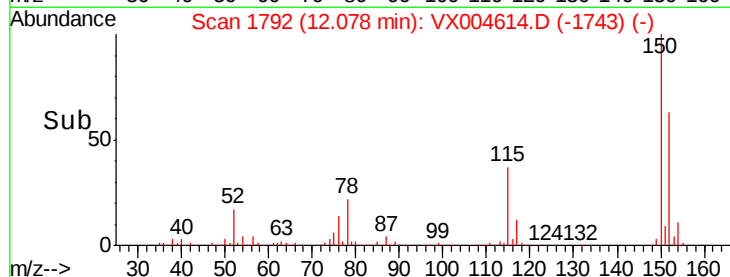
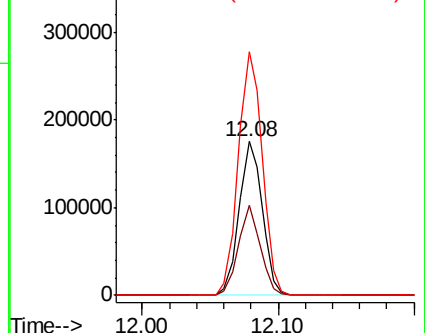
150 163.7 0.0 351.0



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: 18.82 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004614.D

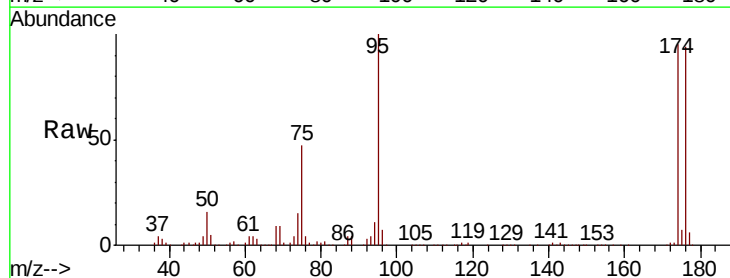
Acq: 16 Sep 2018 05:19

Tgt Ion: 75 Resp: 78869

Ion Ratio Lower Upper

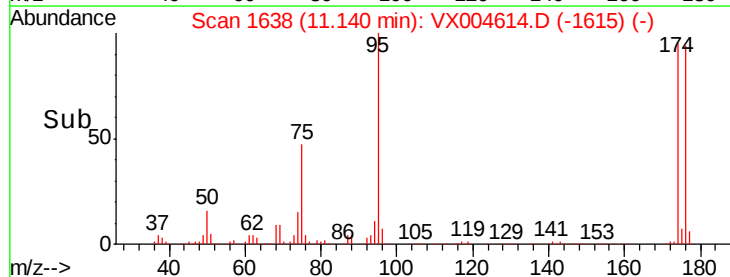
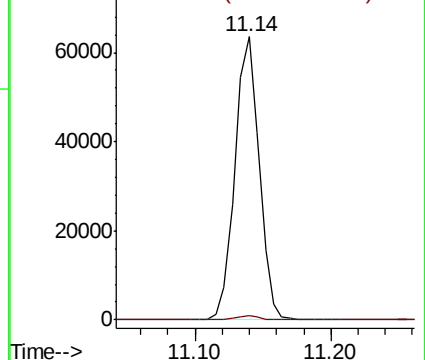
75 100

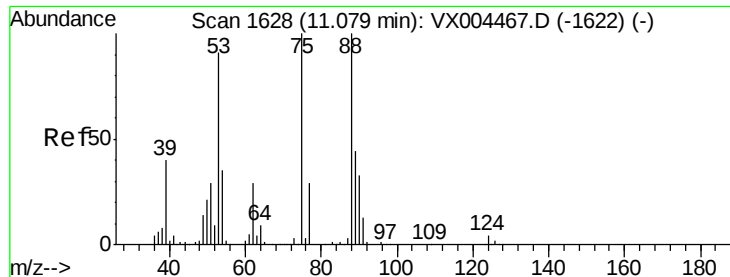
77 1.4 20.2 60.6#



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: 59.99 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004614.D

Acq: 16 Sep 2018 05:19

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW307I-20180913

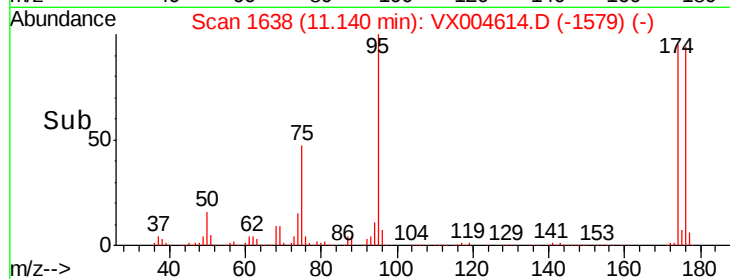
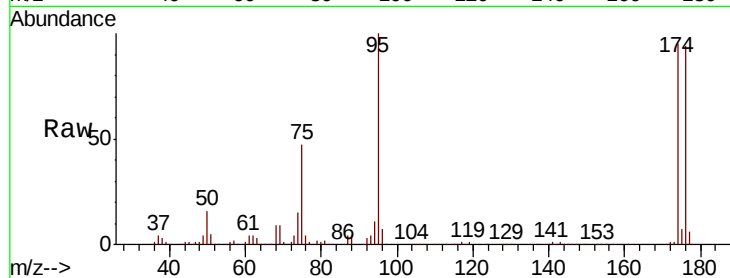
Tot Ion: 75 Resp: 78869

Ion Ratio Lower Upper

75 100

53 0.2 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

