

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031219\
 Data File : VX008027.D
 Acq On : 12 Mar 2019 20:07
 Operator : JC/SP
 Sample : K1828-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW05S-M20W2-030619

Quant Time: Mar 13 05:23:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	246006	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	386816	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	374974	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	185850	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	136416	52.57	ug/l	0.00
Spiked Amount			Recovery	=	105.14%	
35) Dibromofluoromethane	5.50	113	125798	50.84	ug/l	0.00
Spiked Amount			Recovery	=	101.68%	
50) Toluene-d8	8.71	98	476323	52.42	ug/l	0.00
Spiked Amount			Recovery	=	104.84%	
62) 4-Bromofluorobenzene	11.13	95	177226	55.63	ug/l	0.00
Spiked Amount			Recovery	=	111.26%	

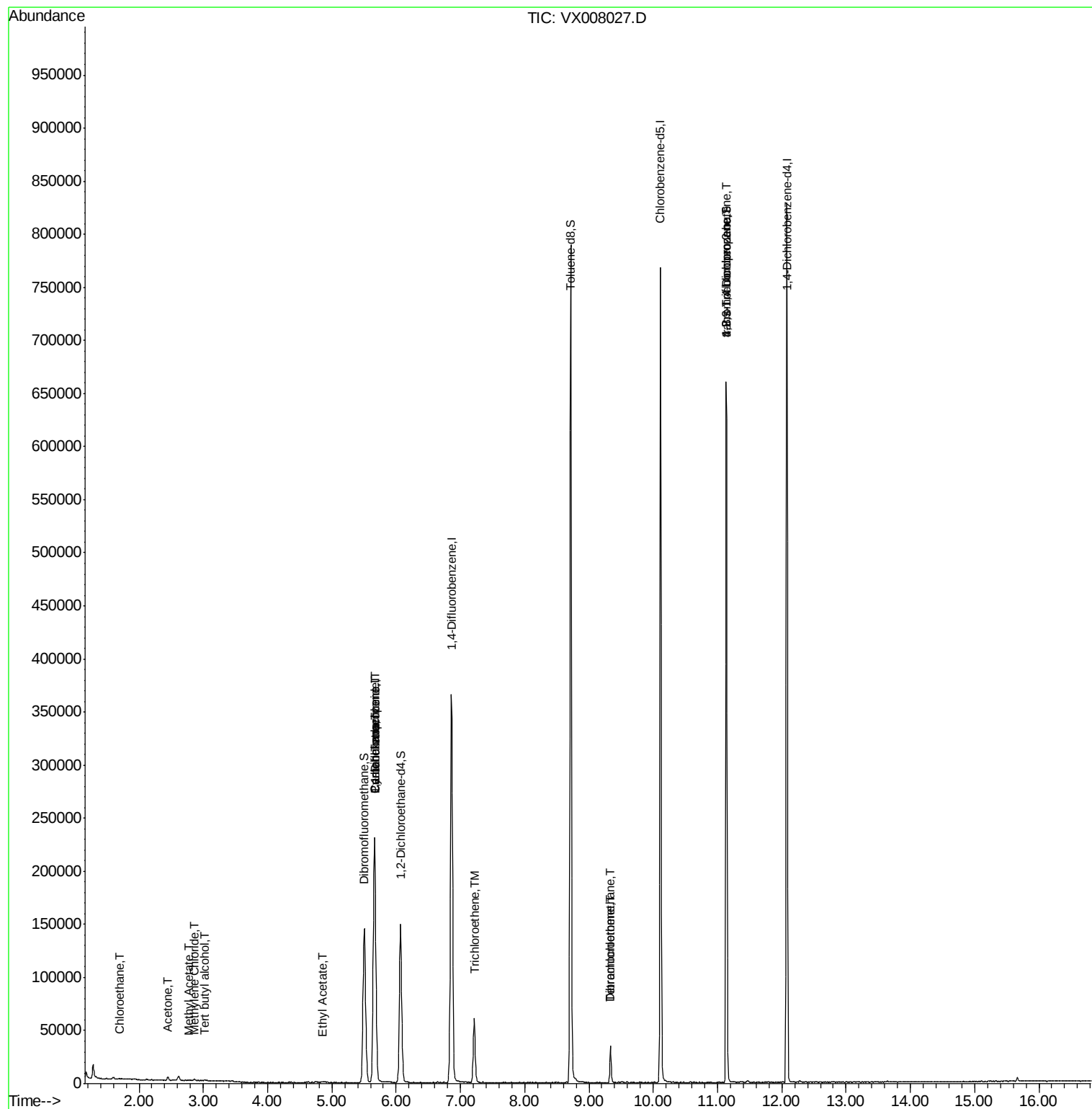
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	66	Below Cal	#	74
6) Chloroethane	1.70	64	2014	1.126	ug/l #	43
11) Tert butyl alcohol	3.03	59	800	1.378	ug/l #	79
16) Acetone	2.45	43	3842	2.558	ug/l	98
17) Carbon Disulfide	2.57	76	481	Below Cal	#	75
18) Methyl Acetate	2.78	43	754	0.236	ug/l #	81
20) Methylene Chloride	2.87	84	634	0.265	ug/l #	78
31) Cyclohexane	5.66	56	3651	0.916	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15152	4.326	ug/l #	49
37) Ethyl Acetate	4.85	43	1847	0.444	ug/l #	88
38) Carbon Tetrachloride	5.67	117	20850	6.270	ug/l #	17
44) Trichloroethene	7.21	130	24280	8.449	ug/l	99
60) Dibromochloromethane	9.34	129	6615	2.456	ug/l #	11
64) Tetrachloroethene	9.34	164	7473	2.405	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	81608	20.926	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	81608	66.889	ug/l #	12

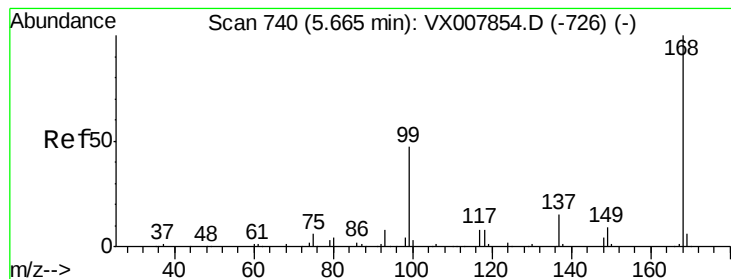
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008027.D

Acq: 12 Mar 2019 20:07

Instrument :

MSVOA_X

ClientSampleId :

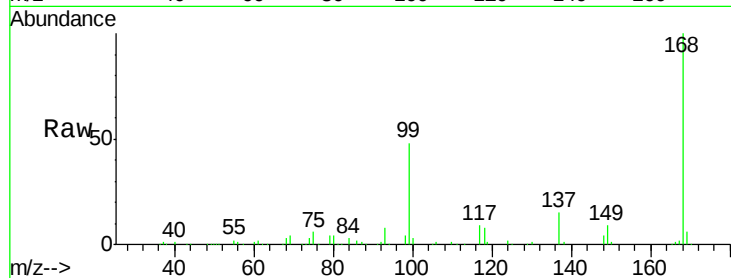
CPA-CPMW05S-M20W2-030619

Tot Ion:168 Resp: 246006

Ion Ratio Lower Upper

168 100

99 48.0 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

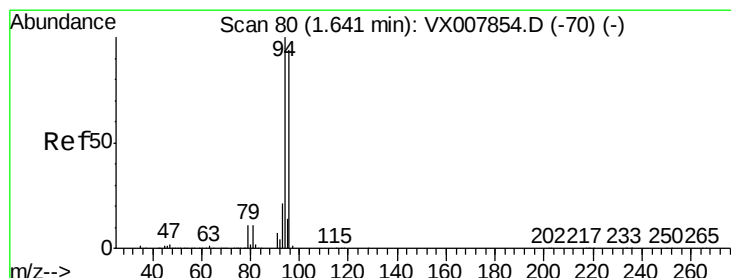
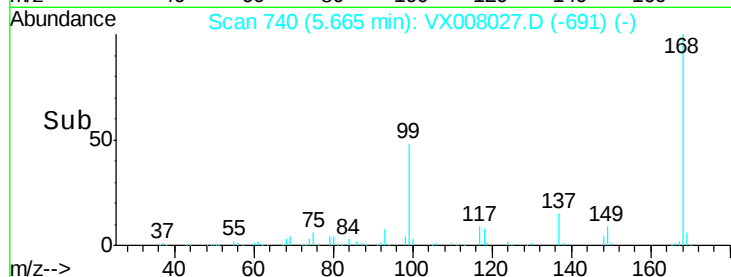
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008027.D

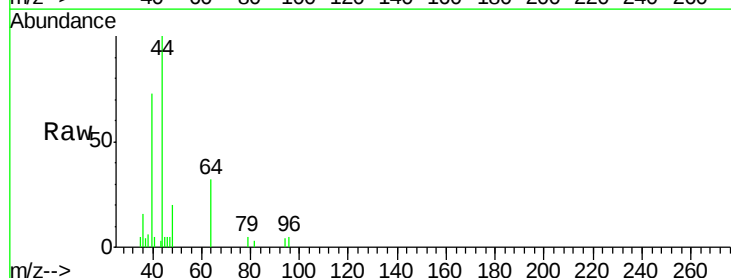
Acq: 12 Mar 2019 20:07

Tgt Ion: 94 Resp: 66

Ion Ratio Lower Upper

94 100

96 120.0 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

100

80

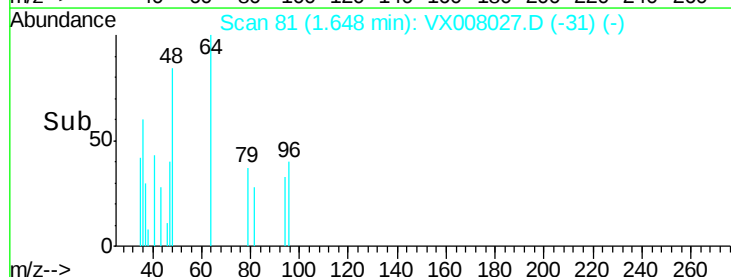
60

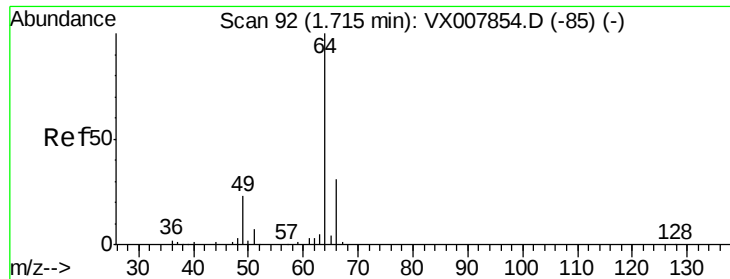
40

20

0

Time--> 1.62 1.64 1.66





#6

Chloroethane

Concen: 1.126 ug/l

RT: 1.70 min Scan# 89

Delta R.T. -0.02 min

Lab File: VX008027.D

Acq: 12 Mar 2019 20:07

Instrument :

MSVOA_X

ClientSampleId :

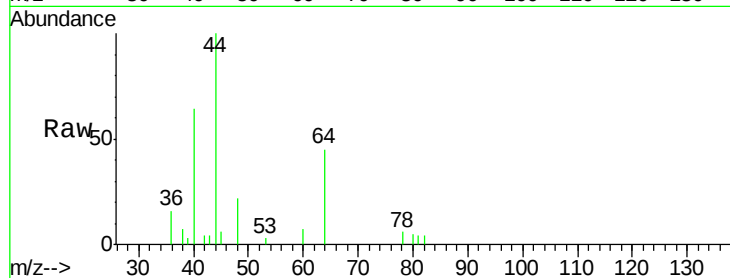
CPA-CPMW05S-M20W2-030619

Tot Ion: 64 Resp: 2014

Ion Ratio Lower Upper

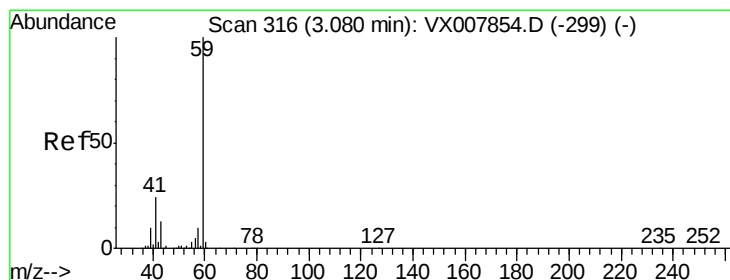
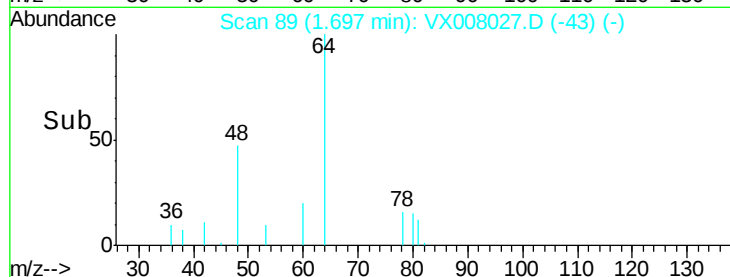
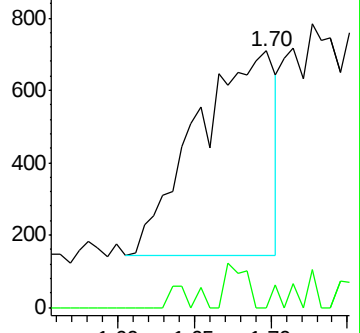
64 100

66 0.0 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 1.378 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX008027.D

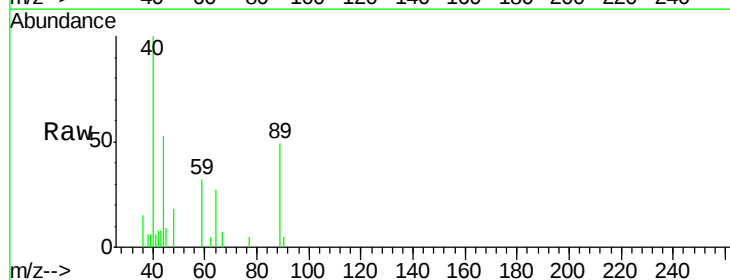
Acq: 12 Mar 2019 20:07

Tgt Ion: 59 Resp: 800

Ion Ratio Lower Upper

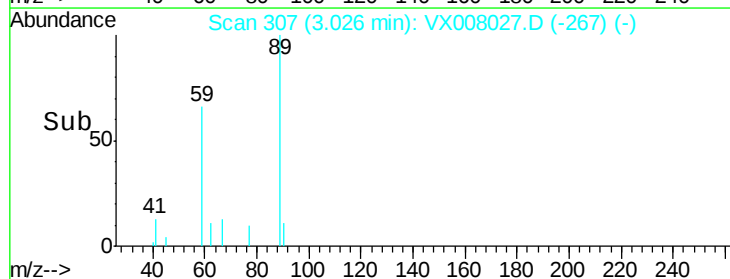
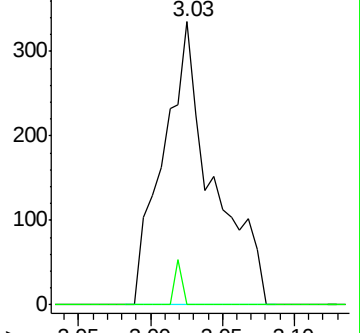
59 100

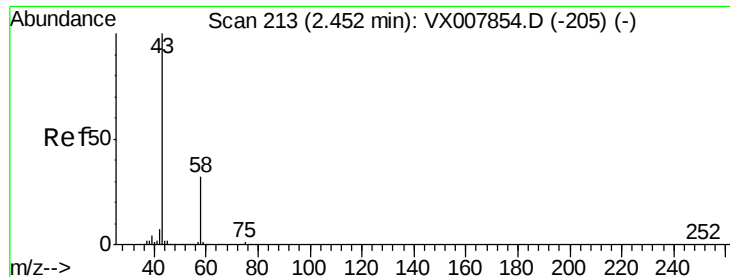
57 2.4 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 2.558 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX008027.D

Acq: 12 Mar 2019 20:07

Instrument :

MSVOA_X

ClientSampleId :

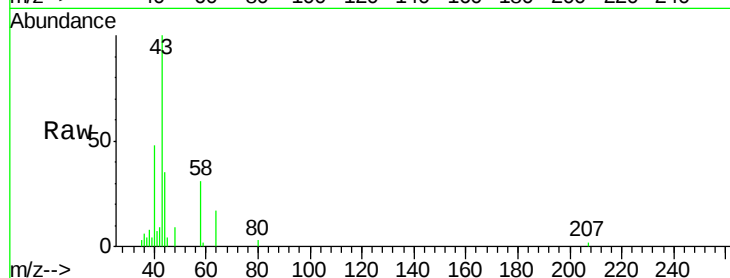
CPA-CPMW05S-M20W2-030619

Tot Ion: 43 Resp: 3842

Ion Ratio Lower Upper

43 100

58 30.9 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

2000

1500

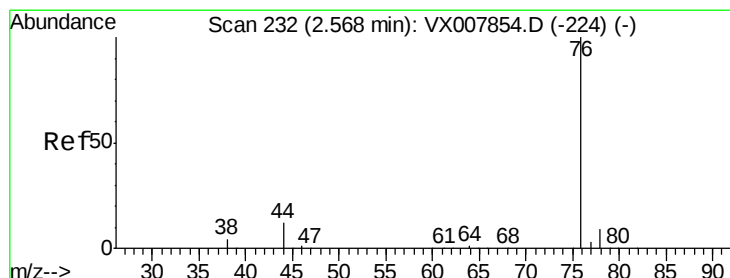
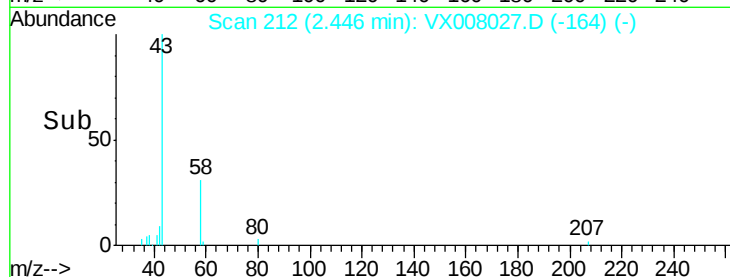
1000

500

0

2.40 2.45 2.50

Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008027.D

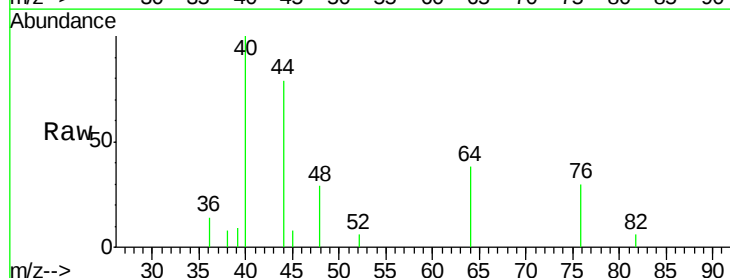
Acq: 12 Mar 2019 20:07

Tgt Ion: 76 Resp: 481

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

300

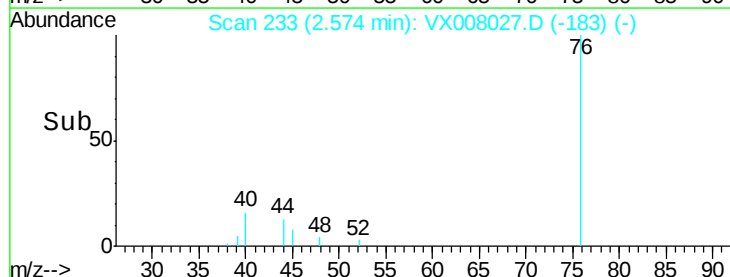
200

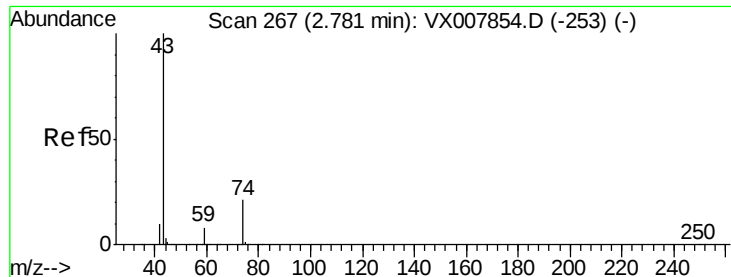
100

0

2.55 2.60

Time-->

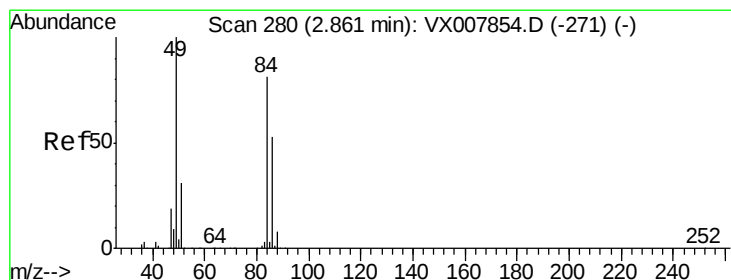
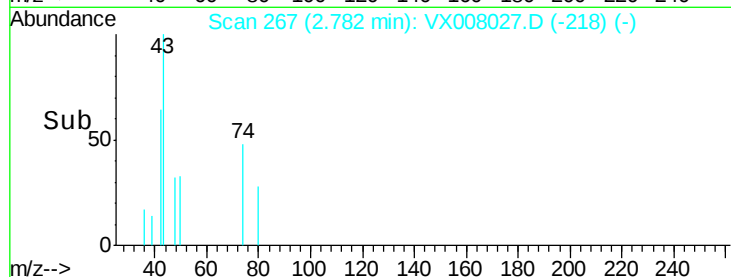
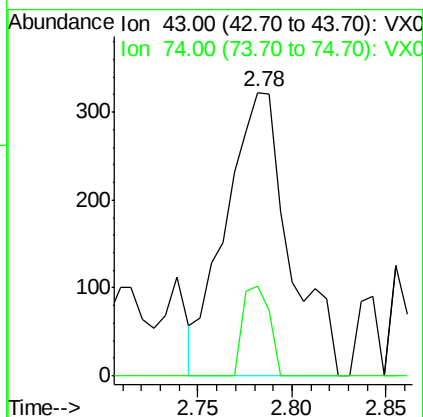
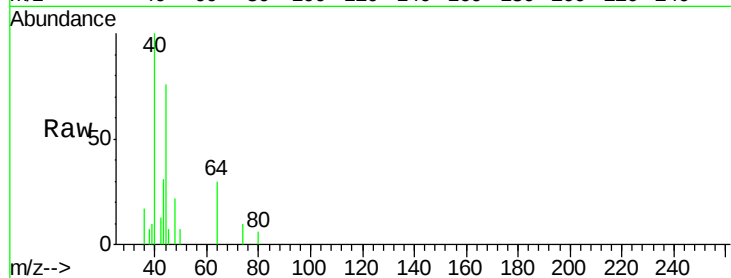




#18
Methyl Acetate
Concen: 0.236 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX008027.D
Acq: 12 Mar 2019 20:07

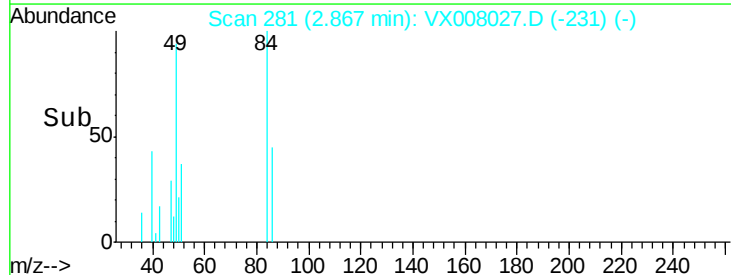
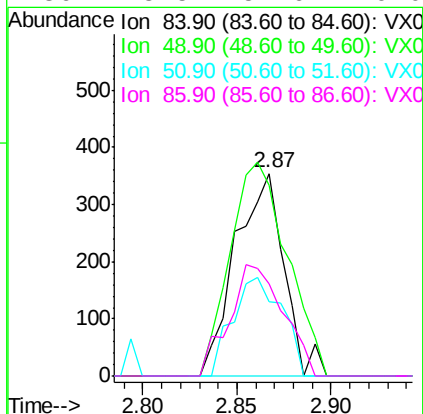
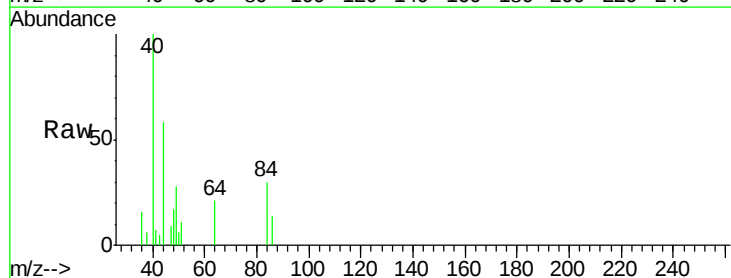
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW05S-M20W2-030619

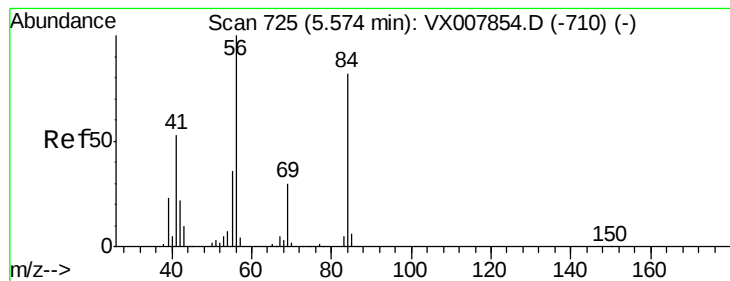
Tot Ion: 43 Resp: 754
Ion Ratio Lower Upper
43 100
74 13.3 17.8 26.6#



#20
Methylene Chloride
Concen: 0.265 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX008027.D
Acq: 12 Mar 2019 20:07

Tgt Ion: 84 Resp: 634
Ion Ratio Lower Upper
84 100
49 94.4 99.3 148.9#
51 36.7 31.3 46.9
86 45.5 52.6 79.0#





#31

Cyclohexane

Concen: 0.916 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX008027.D

Acq: 12 Mar 2019 20:07

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW05S-M20W2-030619

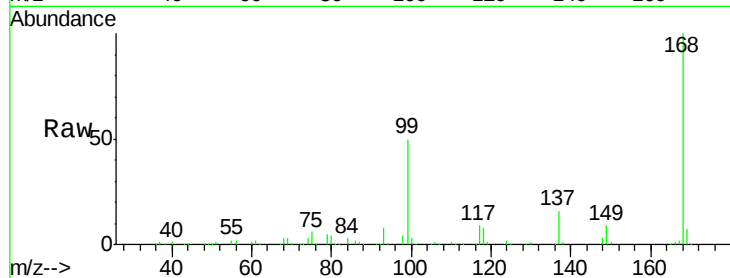
Tot Ion: 56 Resp: 3651

Ion Ratio Lower Upper

56 100

69 196.9 24.0 36.0#

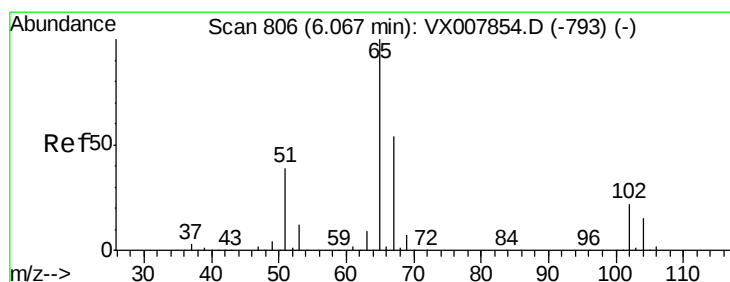
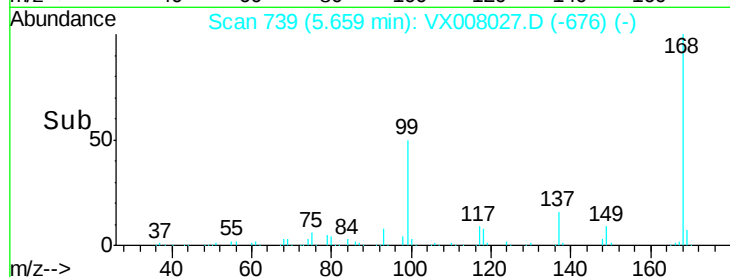
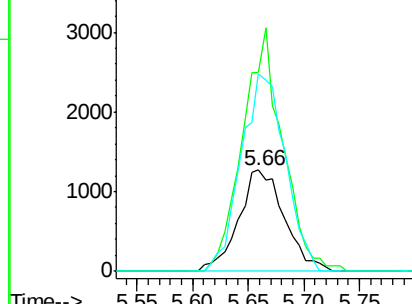
84 195.5 65.3 97.9#



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: 52.566 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008027.D

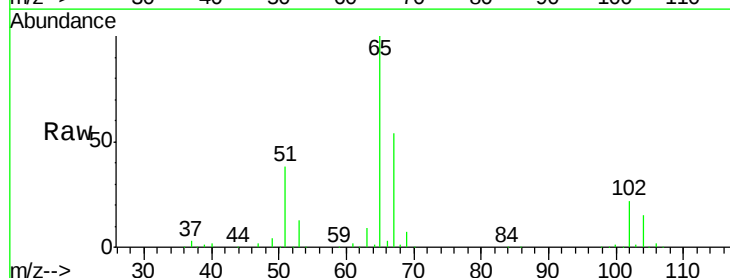
Acq: 12 Mar 2019 20:07

Tgt Ion: 65 Resp: 136416

Ion Ratio Lower Upper

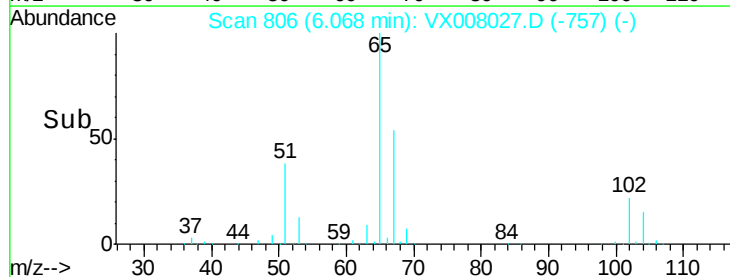
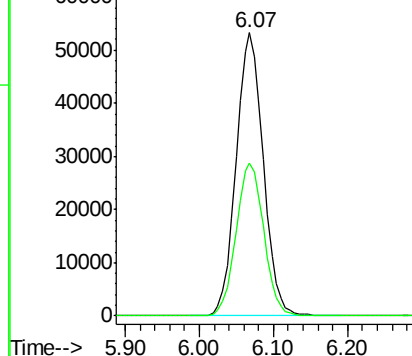
65 100

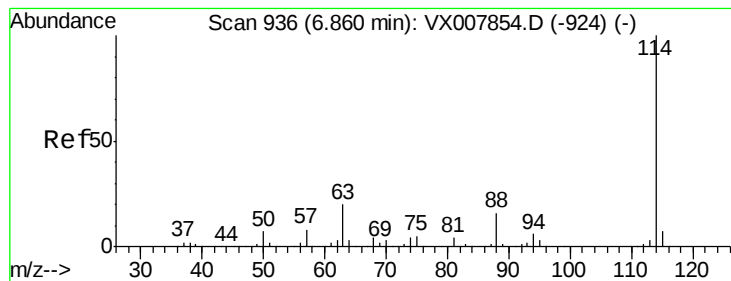
67 55.0 0.0 110.0



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: VX008027.D

Acq: 12 Mar 2019 20:07

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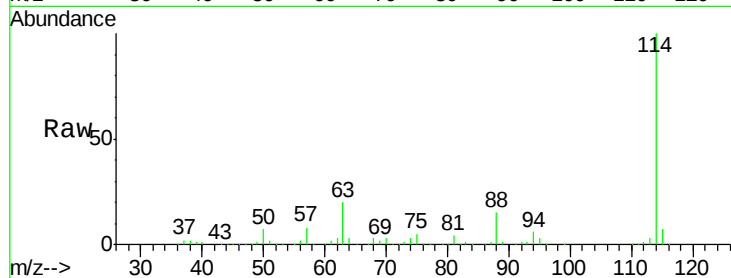
Tot Ion:114 Resp: 386816

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.8

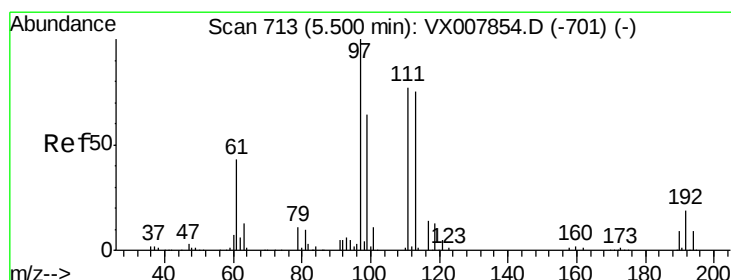
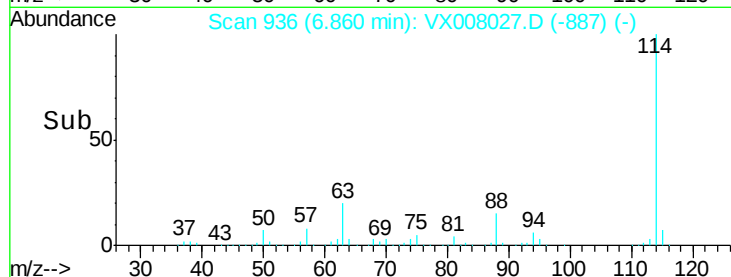
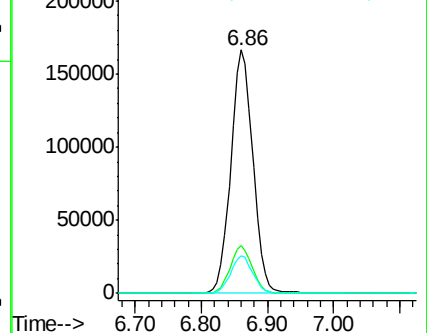
88 15.2 0.0 31.4



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: 50.841 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008027.D

Acq: 12 Mar 2019 20:07

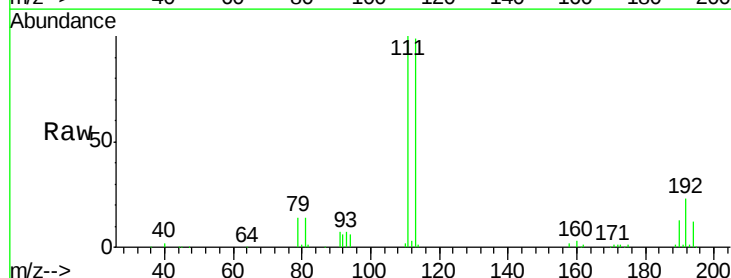
Tgt Ion:113 Resp: 125798

Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.0

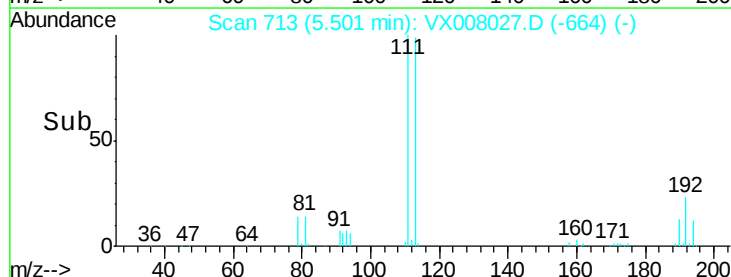
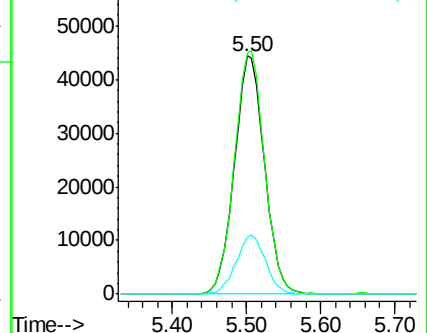
192 24.4 19.4 29.0

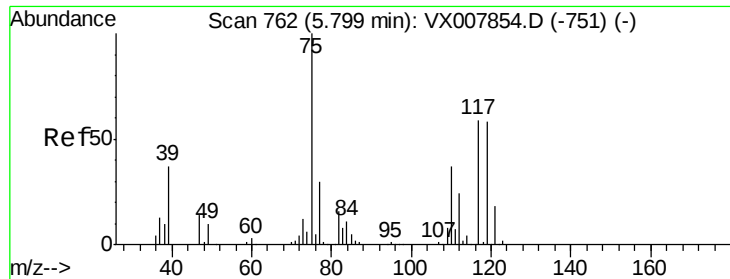


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

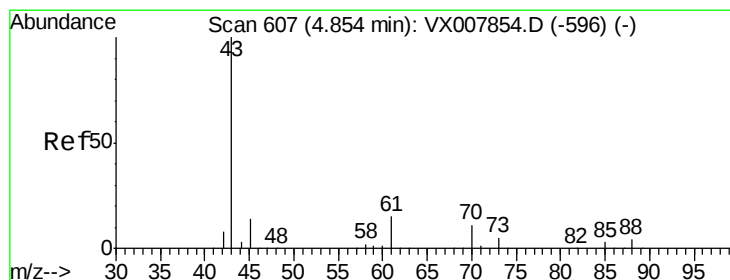
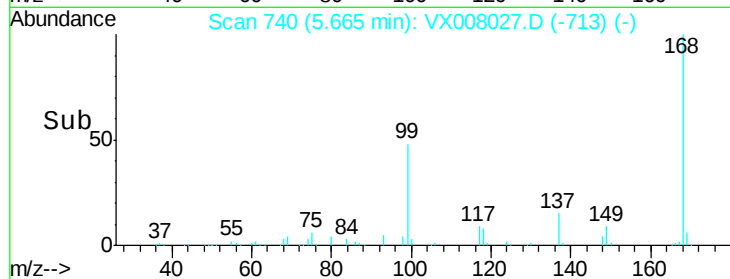
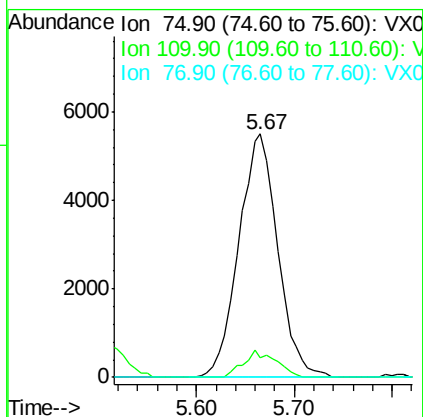
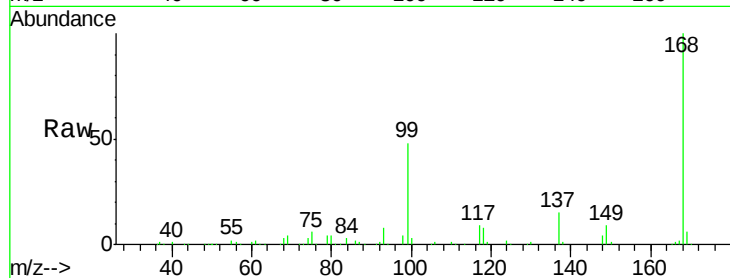




#36
 1,1-Dichloropropene
 Concen: 4.326 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX008027.D
 Acq: 12 Mar 2019 20:07

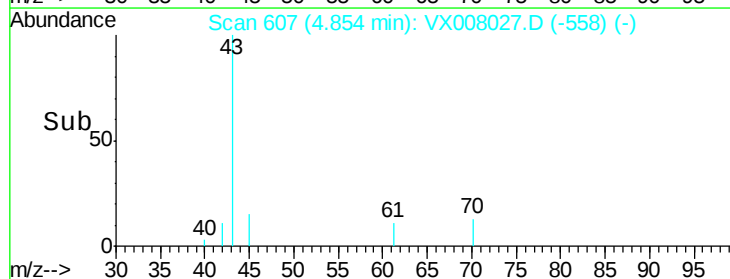
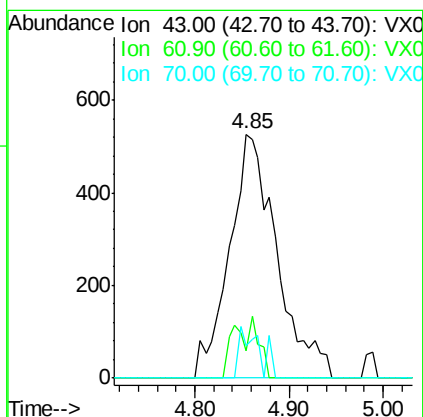
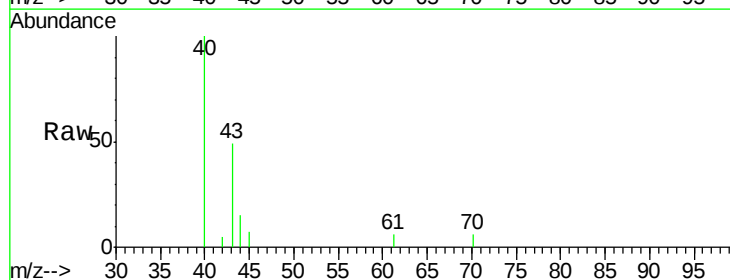
Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW05S-M20W2-030619

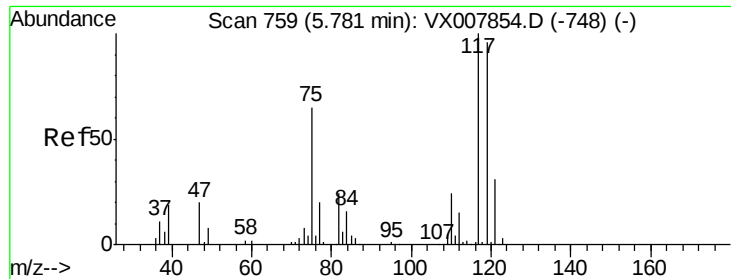
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.4	55.0#
77	0.0	25.0	37.4#



#37
 Ethyl Acetate
 Concen: 0.444 ug/l
 RT: 4.85 min Scan# 607
 Delta R.T. 0.00 min
 Lab File: VX008027.D
 Acq: 12 Mar 2019 20:07

Tgt Ion	Ratio	Lower	Upper
43	100		
61	7.1	11.3	16.9#
70	8.8	8.5	12.7

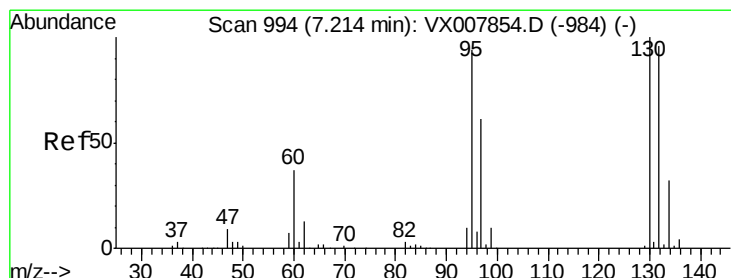
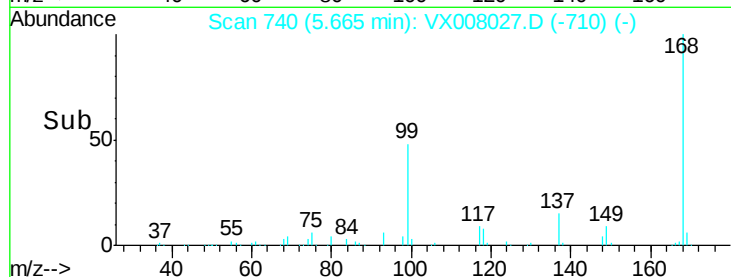
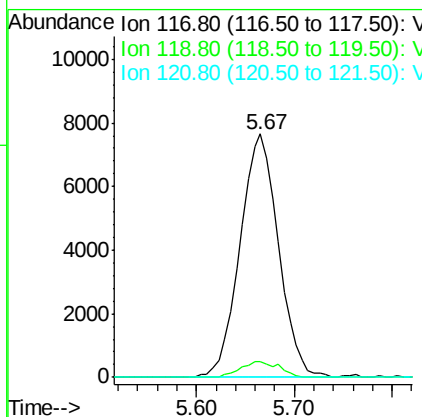
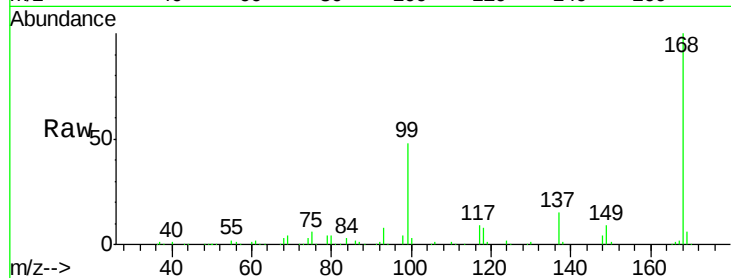




#38
Carbon Tetrachloride
Concen: 6.270 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX008027.D
Acq: 12 Mar 2019 20:07

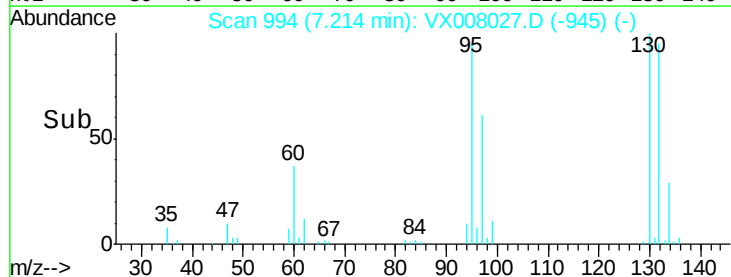
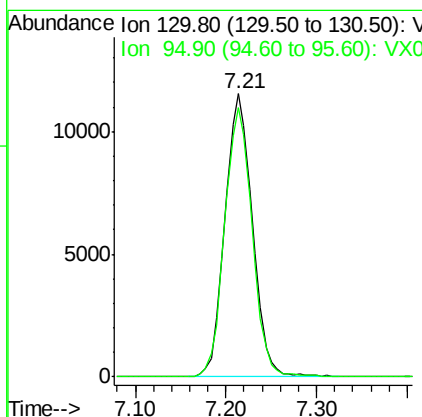
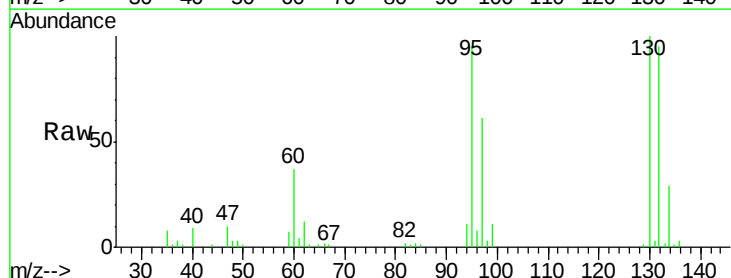
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW05S-M20W2-030619

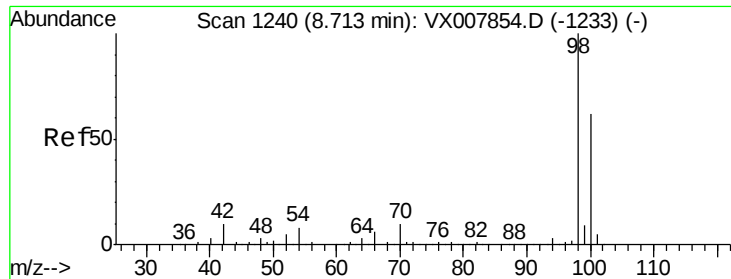
Tot Ion:117 Resp: 20850
Ion Ratio Lower Upper
117 100
119 6.6 76.2 114.2#
121 0.0 24.6 36.8#



#44
Trichloroethene
Concen: 8.449 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX008027.D
Acq: 12 Mar 2019 20:07

Tgt Ion:130 Resp: 24280
Ion Ratio Lower Upper
130 100
95 95.0 0.0 188.0





#50

Toluene-d8

Concen: 52.417 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008027.D

Acq: 12 Mar 2019 20:07

Instrument :

MSVOA_X

ClientSampleId :

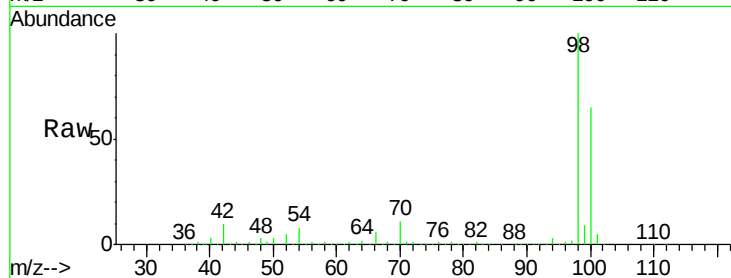
CPA-CPMW05S-M20W2-030619

Tot Ion: 98 Resp: 476323

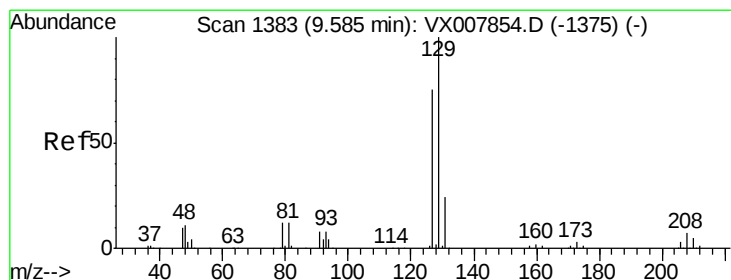
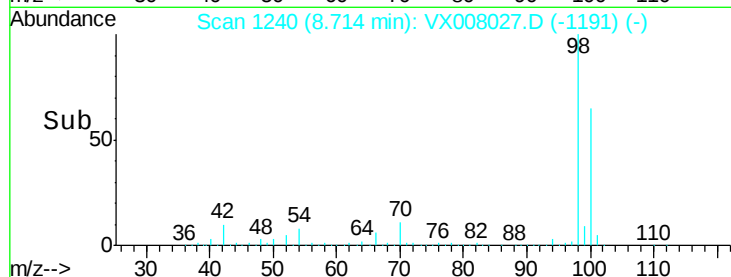
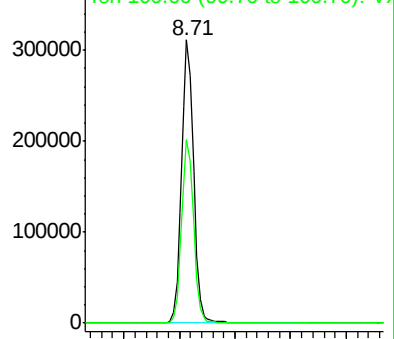
Ion Ratio Lower Upper

98 100

100 64.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX007854.D (-1233) (-)



#60

Dibromochloromethane

Concen: 2.456 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.25 min

Lab File: VX008027.D

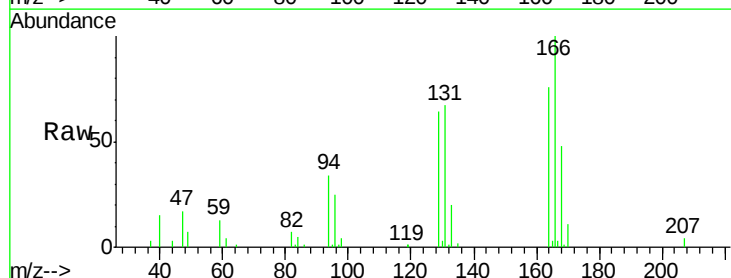
Acq: 12 Mar 2019 20:07

Tgt Ion: 129 Resp: 6615

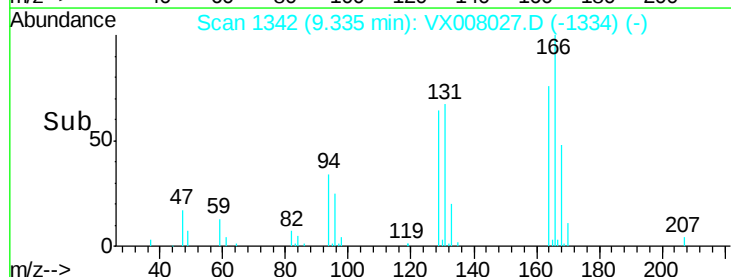
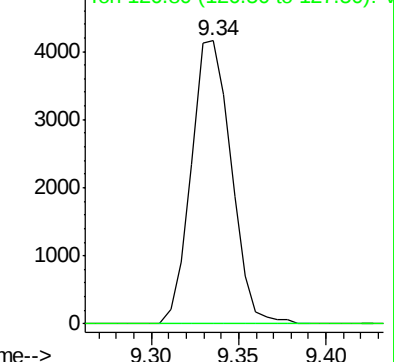
Ion Ratio Lower Upper

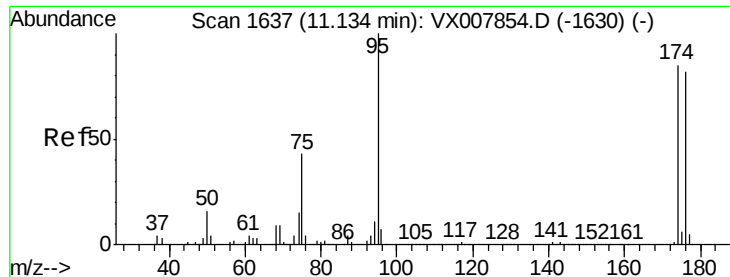
129 100

127 0.0 38.3 114.8#



Abundance Ion 128.80 (128.50 to 129.50): VX007854.D (-1375) (-)





#62

4-Bromofluorobenzene

Concen: 55.627 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008027.D

Acq: 12 Mar 2019 20:07

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW05S-M20W2-030619

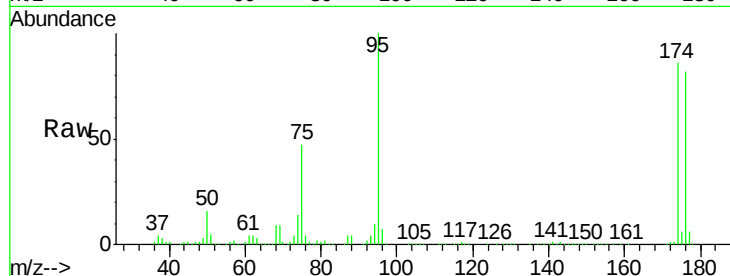
Tot Ion: 95 Resp: 177226

Ion Ratio Lower Upper

95 100

174 93.3 0.0 182.8

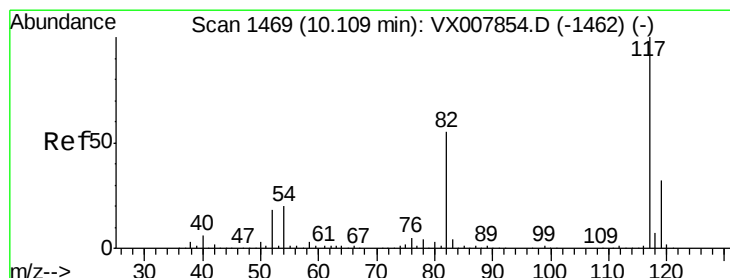
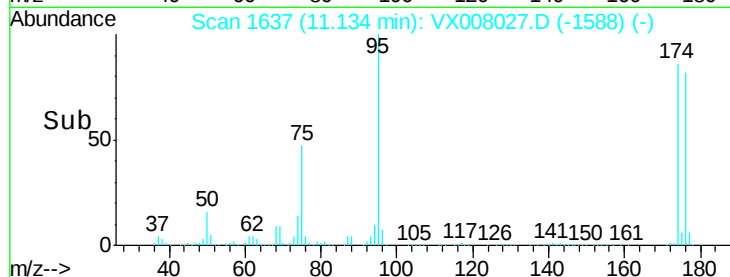
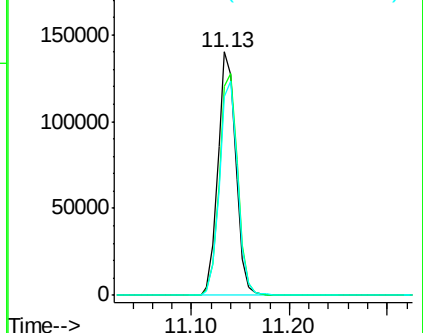
176 89.6 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX007854.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX007854.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX007854.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX008027.D

Acq: 12 Mar 2019 20:07

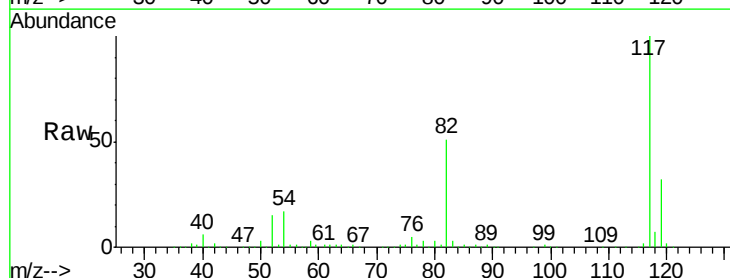
Tgt Ion: 117 Resp: 374974

Ion Ratio Lower Upper

117 100

82 51.0 44.3 66.5

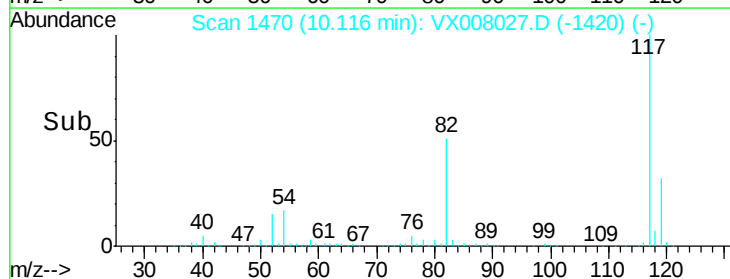
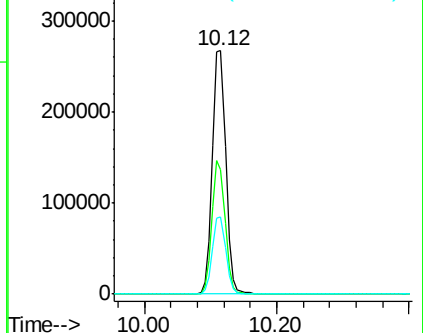
119 31.9 25.3 37.9

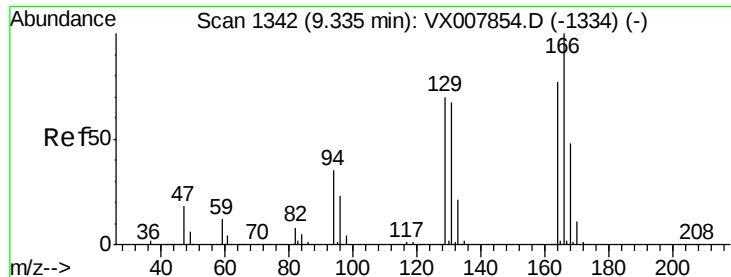


Abundance Ion 116.90 (116.60 to 117.60): VX007854.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX007854.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX007854.D (-1462) (-)





#64

Tetrachloroethene

Concen: 2.405 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX008027.D

Acq: 12 Mar 2019 20:07

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW05S-M20W2-030619

Tot Ion:164 Resp: 7473

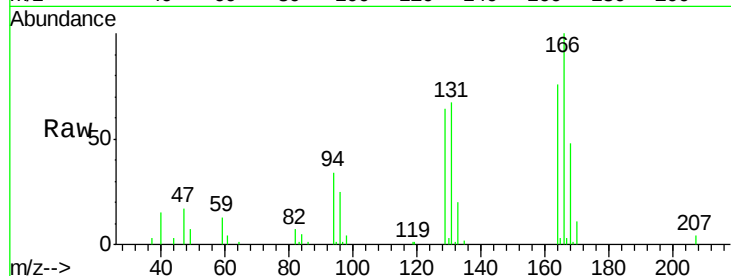
Ion Ratio Lower Upper

164 100

166 132.4 103.4 155.0

129 85.1 72.2 108.4

131 88.2 69.4 104.2

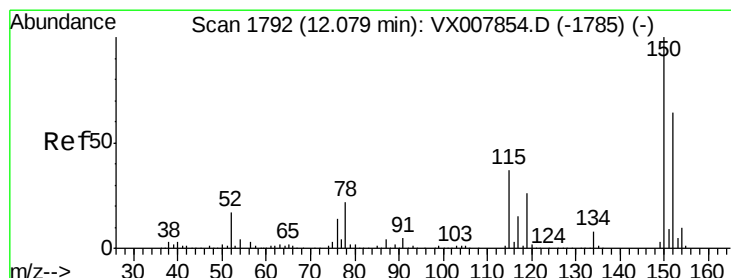
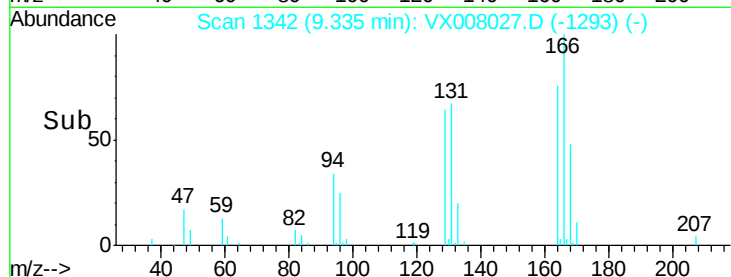
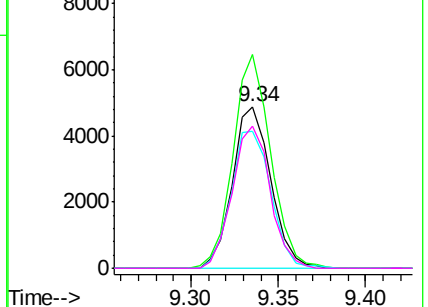


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX008027.D

Acq: 12 Mar 2019 20:07

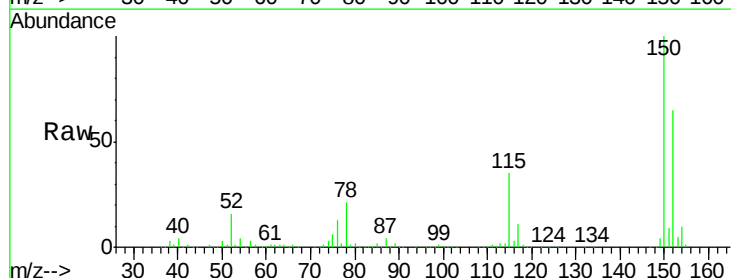
Tgt Ion:152 Resp: 185850

Ion Ratio Lower Upper

152 100

115 54.6 38.6 115.7

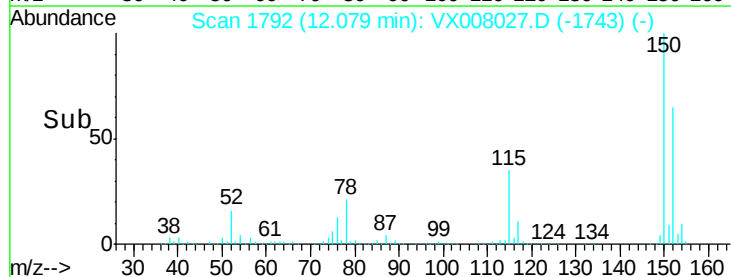
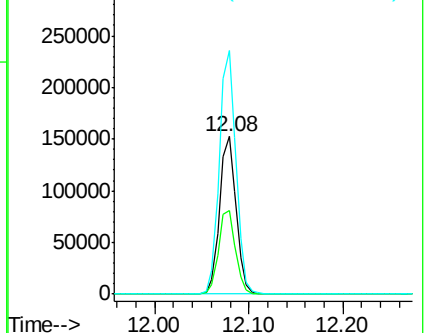
150 155.7 0.0 348.4

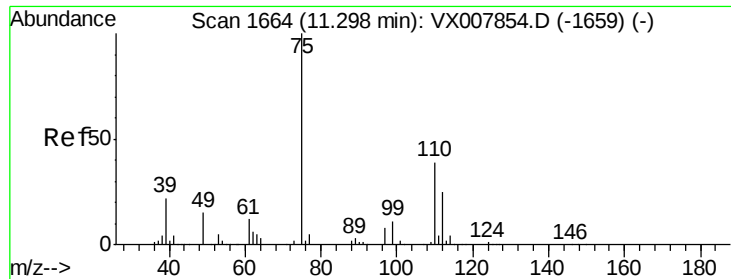


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 20.926 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008027.D

Acq: 12 Mar 2019 20:07

Instrument :

MSVOA_X

ClientSampleId :

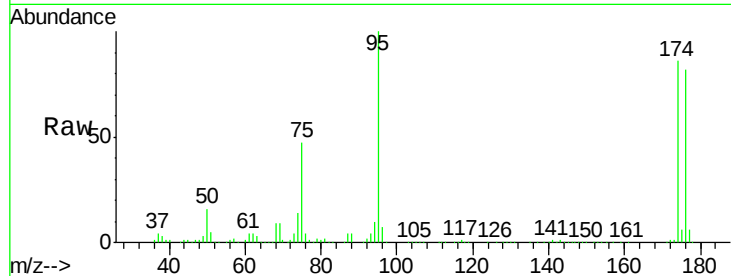
CPA-CPMW05S-M20W2-030619

Tot Ion: 75 Resp: 81608

Ion Ratio Lower Upper

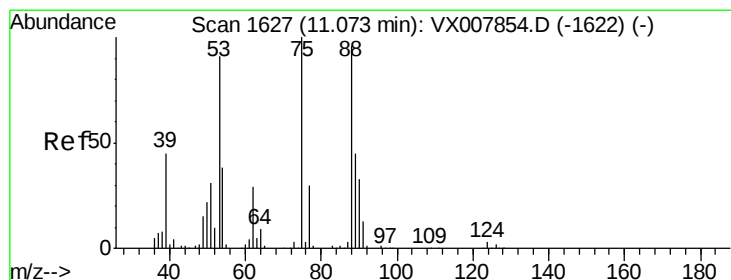
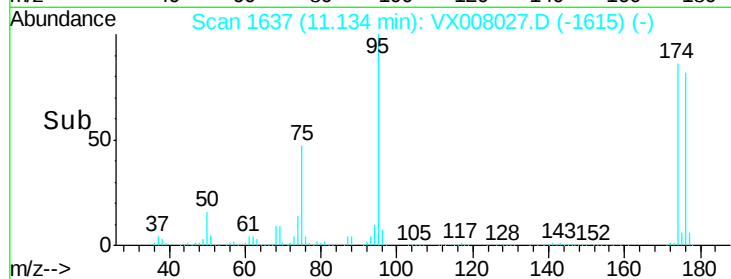
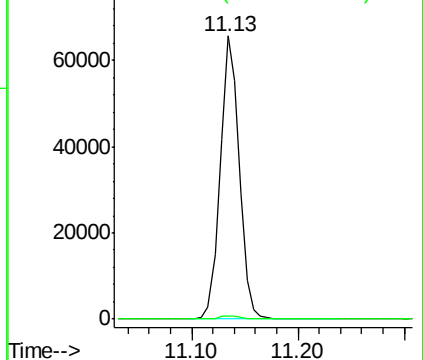
75 100

77 1.3 18.9 56.7#



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: 66.889 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008027.D

Acq: 12 Mar 2019 20:07

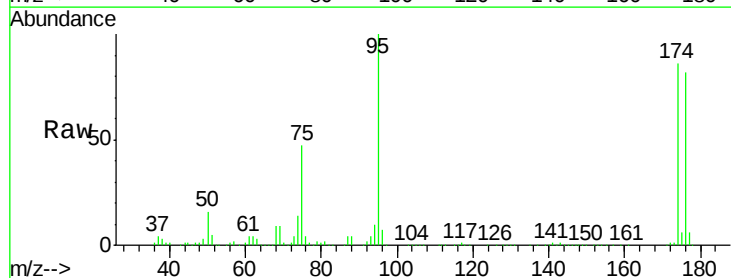
Tgt Ion: 75 Resp: 81608

Ion Ratio Lower Upper

75 100

53 0.1 76.1 114.1#

89 0.0 36.3 54.5#



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

