

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031319\
 Data File : VX008055.D
 Acq On : 13 Mar 2019 17:56
 Operator : JC/SP
 Sample : K1828-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-GMW5S-R-M20W2-030619

Quant Time: Mar 14 04:19:11 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	243098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	376668	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	366178	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	178765	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	130483	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	
35) Dibromofluoromethane	5.50	113	120590	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	
50) Toluene-d8	8.71	98	460318	52.02	ug/l	0.00
Spiked Amount			Recovery	=	104.04%	
62) 4-Bromofluorobenzene	11.13	95	172984	55.76	ug/l	0.00
Spiked Amount			Recovery	=	111.52%	

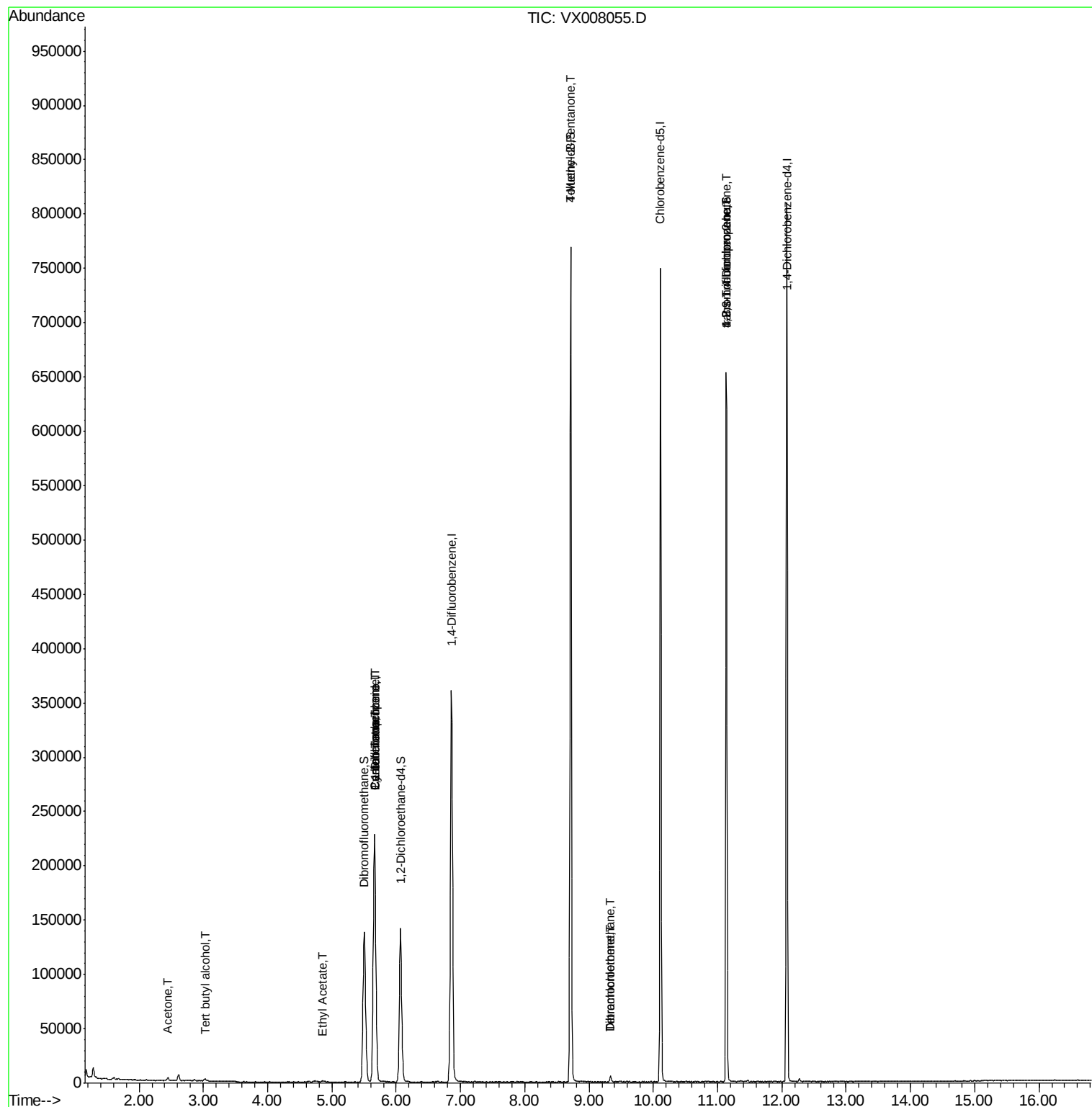
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	205	Below Cal		98
11) Tert butyl alcohol	3.03	59	1486	2.591	ug/l #	73
16) Acetone	2.45	43	2941	1.981	ug/l	98
17) Carbon Disulfide	2.57	76	429	Below Cal	#	71
31) Cyclohexane	5.67	56	3502	0.889	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14549	4.266	ug/l #	49
37) Ethyl Acetate	4.86	43	1807	0.446	ug/l	97
38) Carbon Tetrachloride	5.67	117	20186	6.234	ug/l #	16
51) 4-Methyl-2-Pentanone	8.71	43	1746	0.453	ug/l #	1
60) Dibromochloromethane	9.34	129	1011	0.385	ug/l #	11
64) Tetrachloroethene	9.34	164	1138	0.375	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	78334	20.882	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	78334	66.750	ug/l #	11

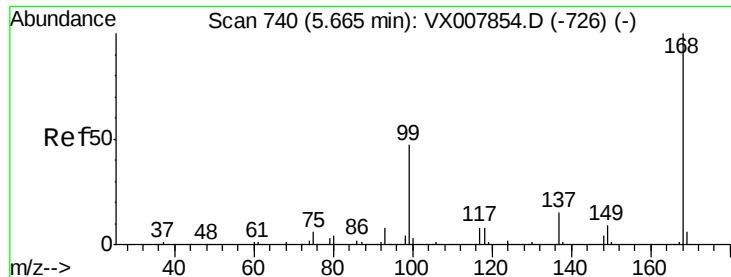
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 07:33:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008055.D

Acq: 13 Mar 2019 17:56

Instrument :

MSVOA_X

ClientSampleId :

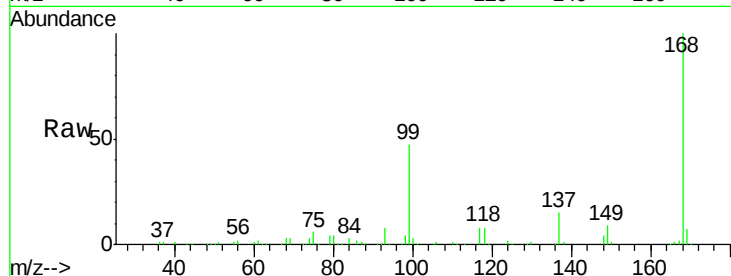
CPA-GMW5S-R-M20W2-030619

Tot Ion:168 Resp: 243098

Ion Ratio Lower Upper

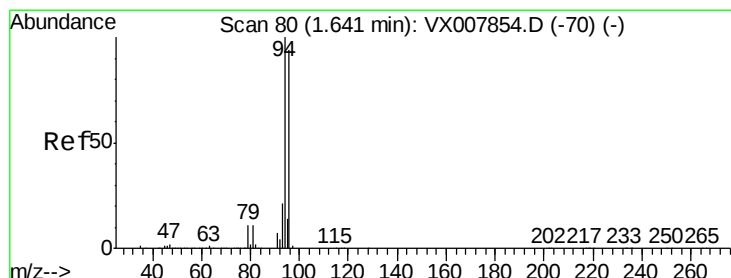
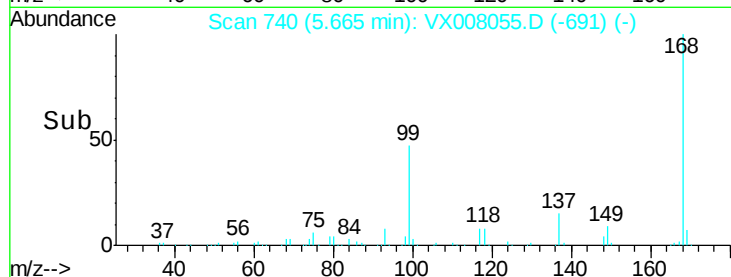
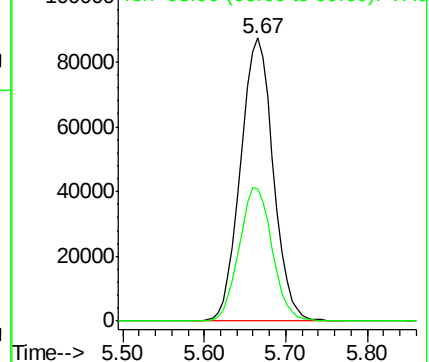
168 100

99 46.6 37.6 56.4



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: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008055.D

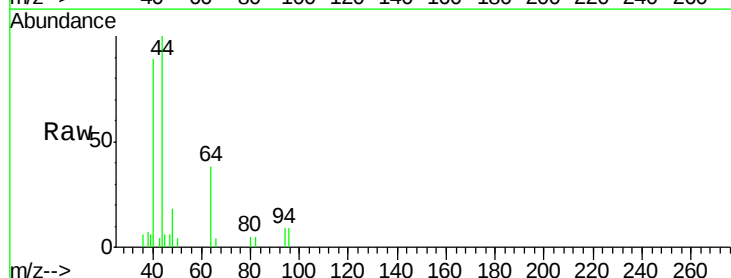
Acq: 13 Mar 2019 17:56

Tgt Ion: 94 Resp: 205

Ion Ratio Lower Upper

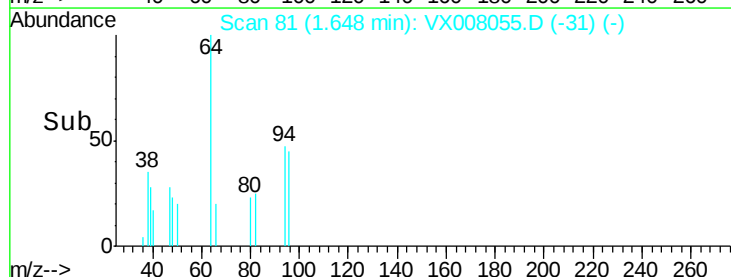
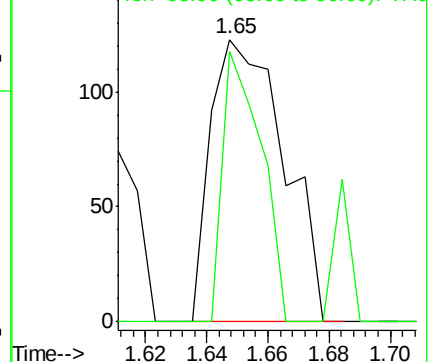
94 100

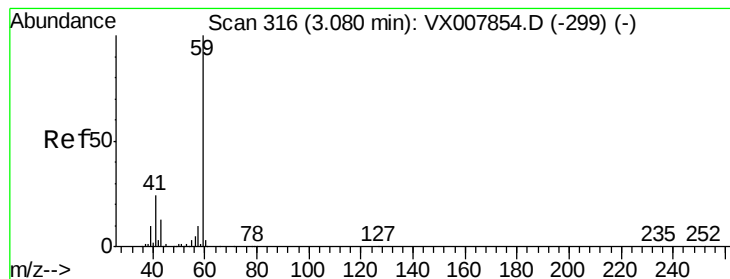
96 95.9 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



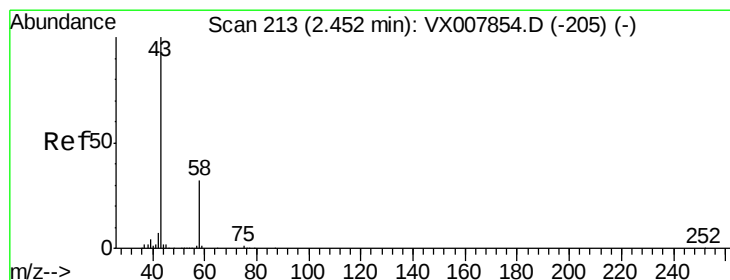
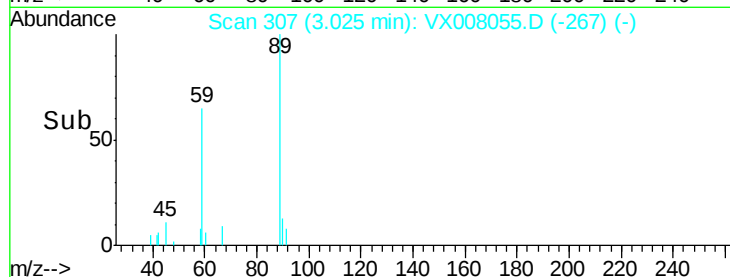
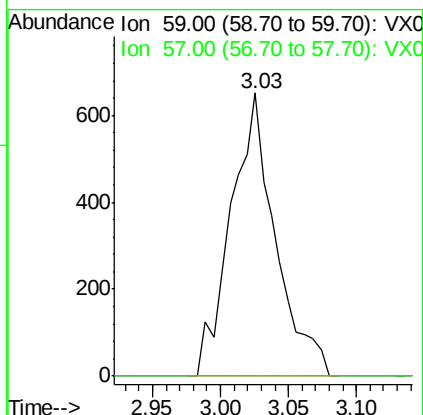
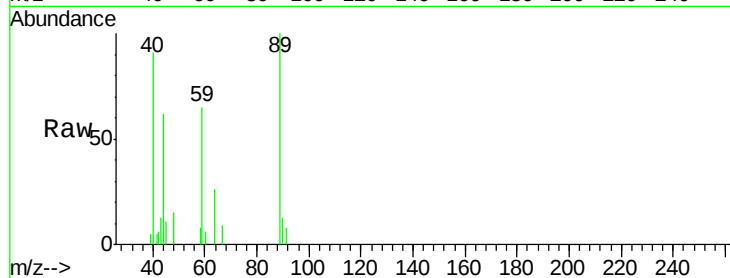


#11

Tert butyl alcohol
 Concen: 2.591 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.05 min
 Lab File: VX008055.D
 Acq: 13 Mar 2019 17:56

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 CPA-GMW5S-R-M20W2-030619

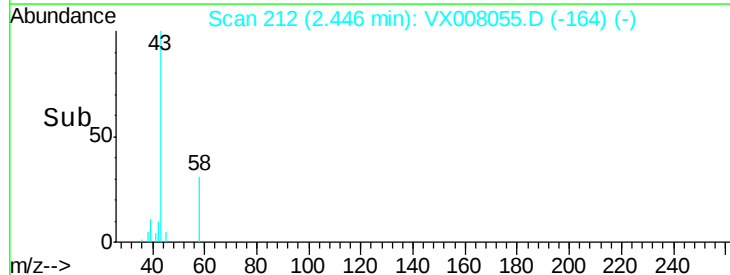
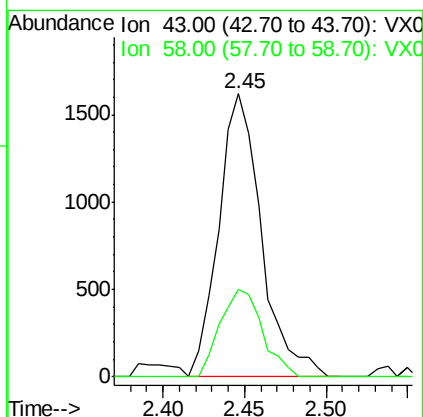
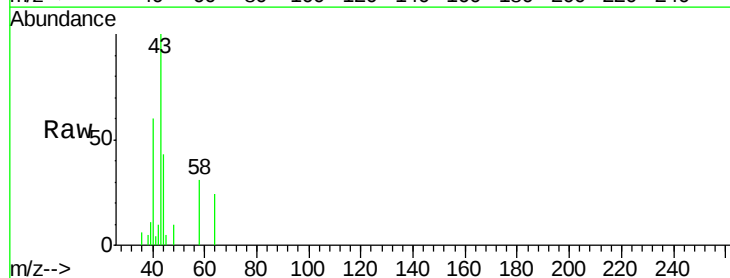
Tot Ion: 59 Resp: 1486
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

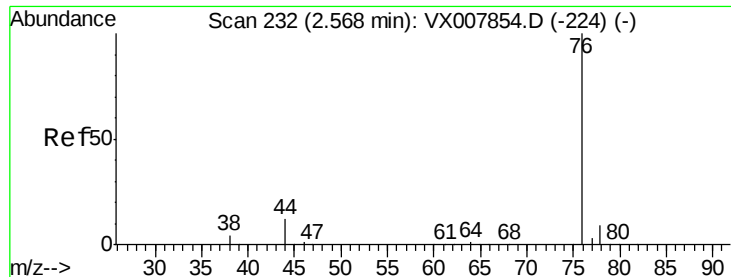


#16

Acetone
 Concen: 1.981 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.01 min
 Lab File: VX008055.D
 Acq: 13 Mar 2019 17:56

Tgt Ion: 43 Resp: 2941
 Ion Ratio Lower Upper
 43 100
 58 30.9 25.5 38.3

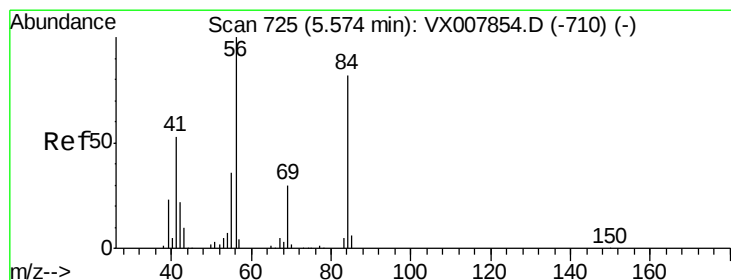
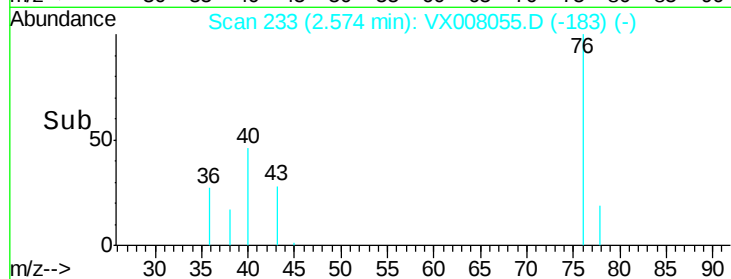
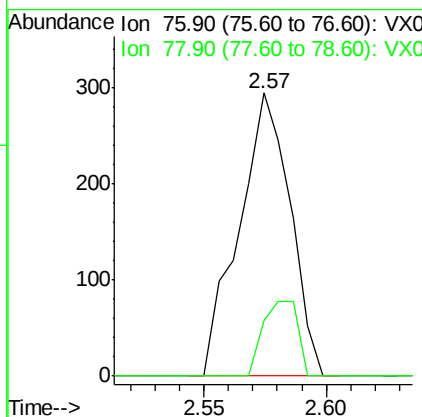
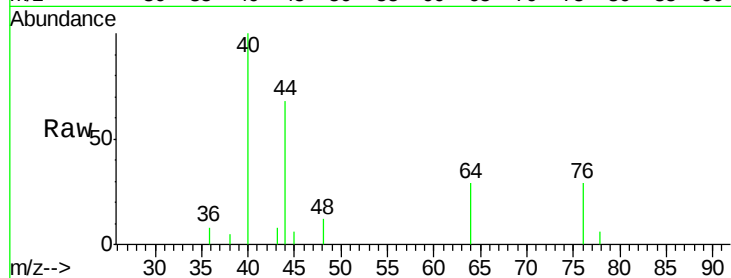




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX008055.D
Acq: 13 Mar 2019 17:56

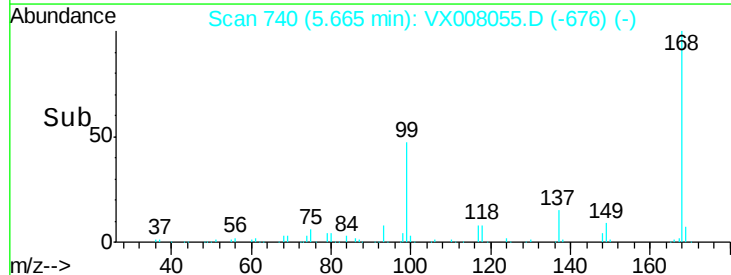
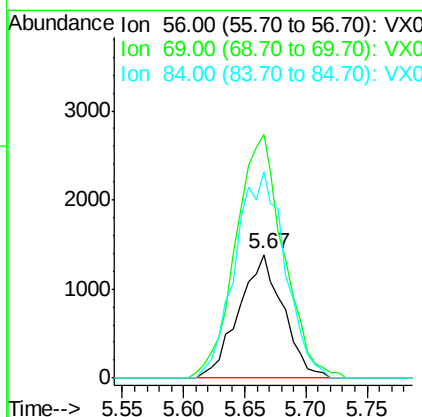
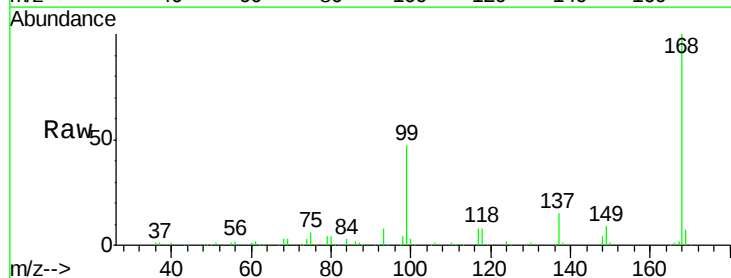
Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW5S-R-M20W2-030619

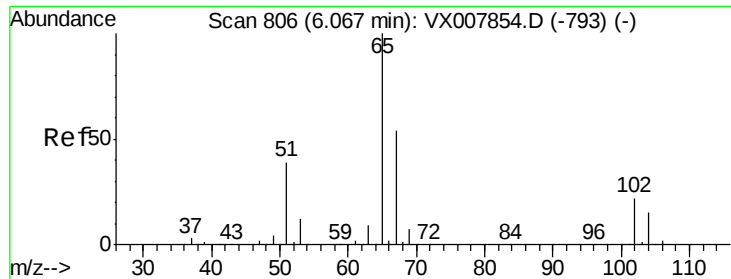
Tot Ion: 76 Resp: 429
Ion Ratio Lower Upper
76 100
78 19.4 7.2 10.8#



#31
Cyclohexane
Concen: 0.889 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX008055.D
Acq: 13 Mar 2019 17:56

Tgt Ion: 56 Resp: 3502
Ion Ratio Lower Upper
56 100
69 196.6 24.0 36.0#
84 166.7 65.3 97.9#





#33

1,2-Dichloroethane-d4

Concen: 50.881 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008055.D

Acq: 13 Mar 2019 17:56

Instrument :

MSVOA_X

ClientSampleId :

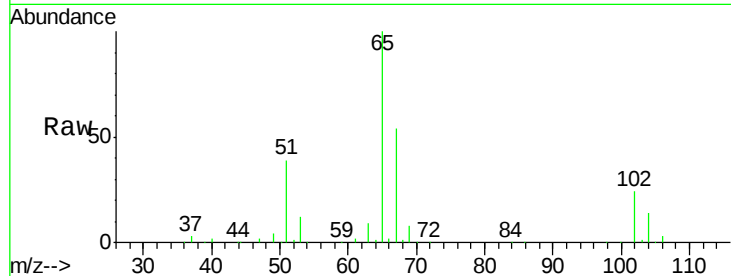
CPA-GMW5S-R-M20W2-030619

Tot Ion: 65 Resp: 130483

Ion Ratio Lower Upper

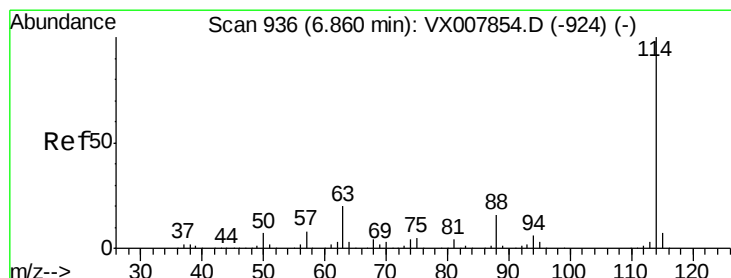
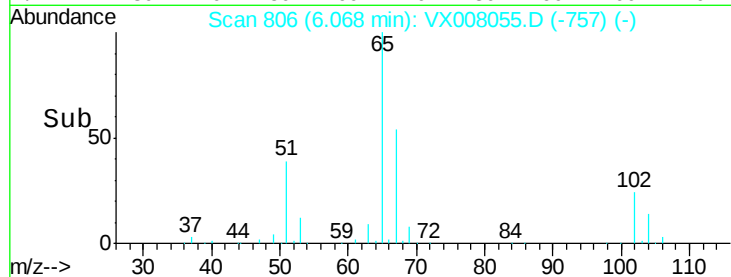
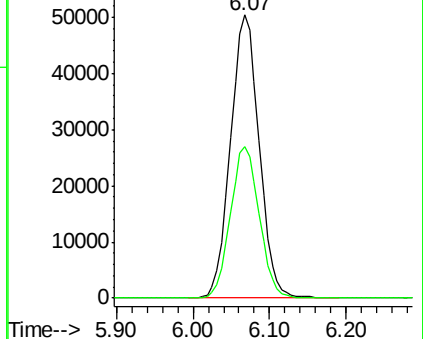
65 100

67 53.9 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: VX008055.D

Acq: 13 Mar 2019 17:56

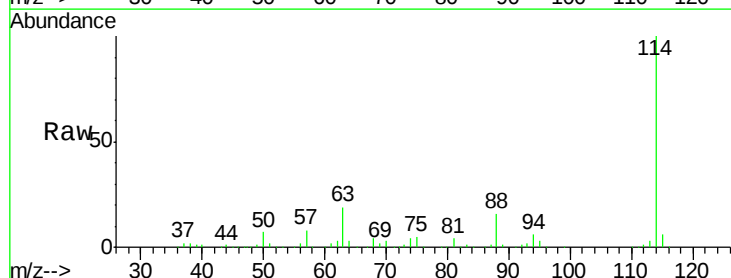
Tgt Ion: 114 Resp: 376668

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.8

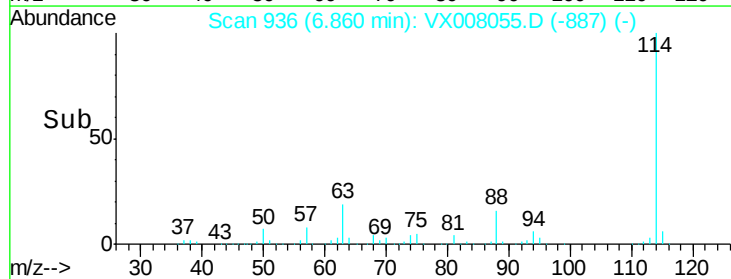
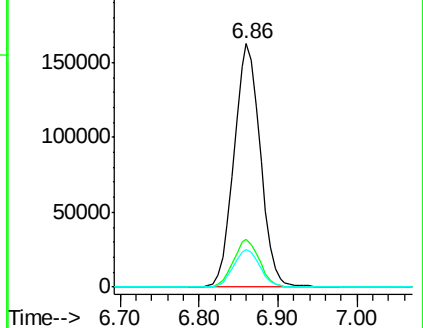
88 15.6 0.0 31.4

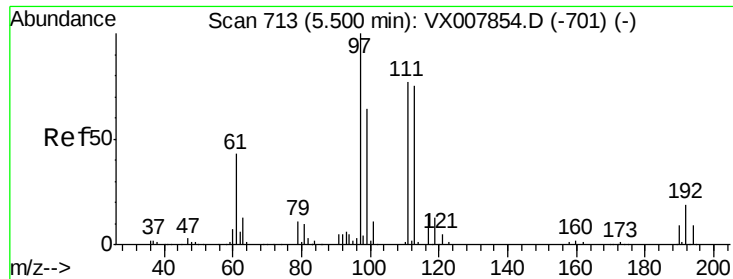


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.049 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008055.D

Acq: 13 Mar 2019 17:56

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW5S-R-M20W2-030619

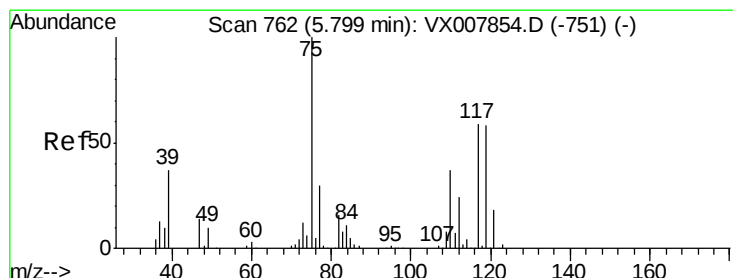
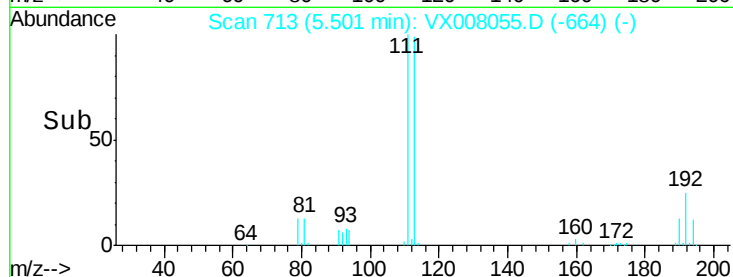
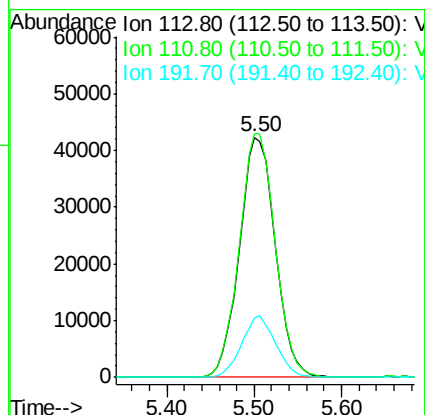
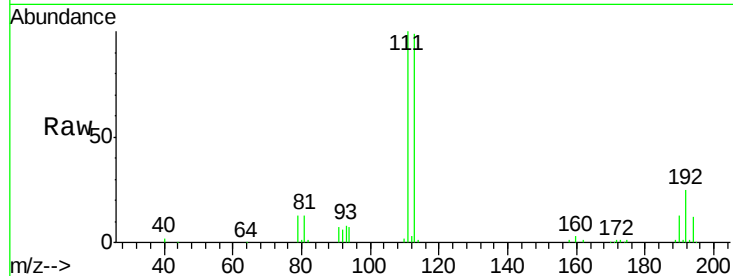
Tot Ion:113 Resp: 120590

Ion Ratio Lower Upper

113 100

111 101.8 81.4 122.0

192 24.5 19.4 29.0



#36

1,1-Dichloropropene

Concen: 4.266 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008055.D

Acq: 13 Mar 2019 17:56

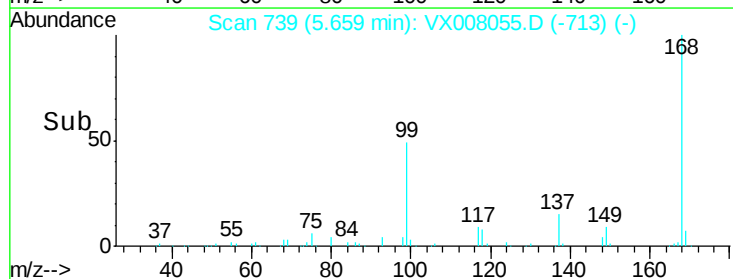
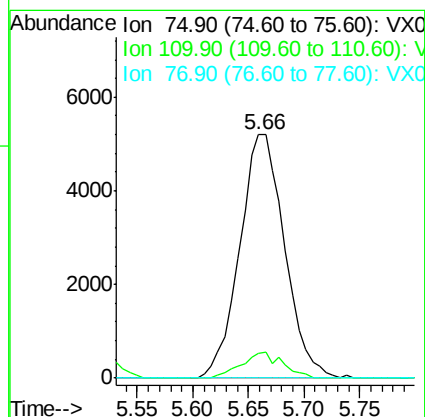
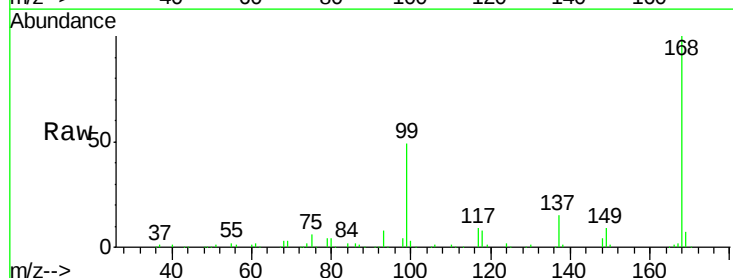
Tgt Ion: 75 Resp: 14549

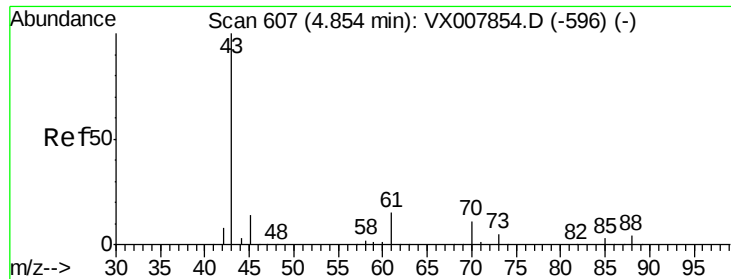
Ion Ratio Lower Upper

75 100

110 9.7 18.4 55.0#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.446 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.01 min

Lab File: VX008055.D

Acq: 13 Mar 2019 17:56

Instrument :

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CPA-GMW5S-R-M20W2-030619

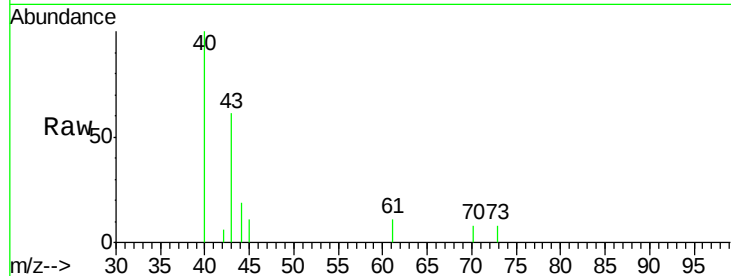
Tot Ion: 43 Resp: 1807

Ion Ratio Lower Upper

43 100

61 12.7 11.3 16.9

70 9.6 8.5 12.7

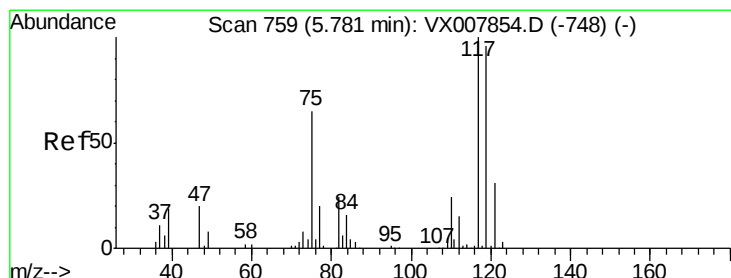
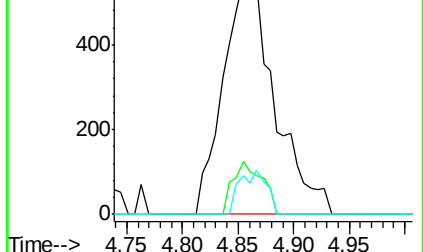
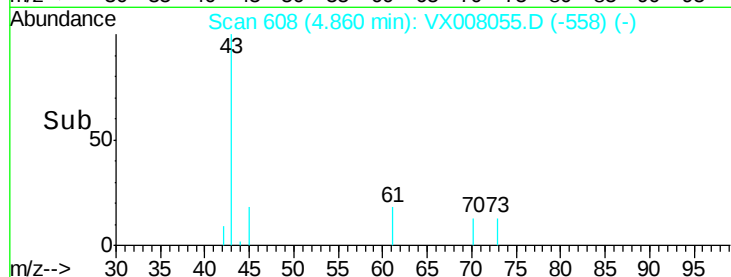


Abundance Ion 43.00 (42.70 to 43.70): VX007854.D (-596) (-)

Ion 60.90 (60.60 to 61.60): VX007854.D (-596) (-)

Ion 70.00 (69.70 to 70.70): VX007854.D (-596) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.234 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008055.D

Acq: 13 Mar 2019 17:56

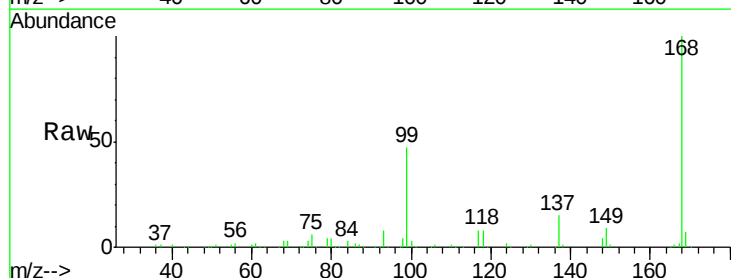
Tgt Ion: 117 Resp: 20186

Ion Ratio Lower Upper

117 100

119 5.3 76.2 114.2#

121 0.0 24.6 36.8#

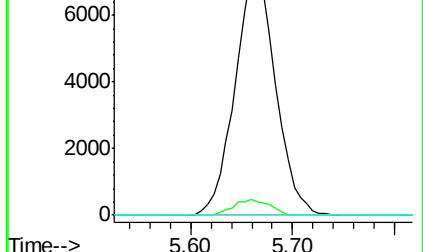
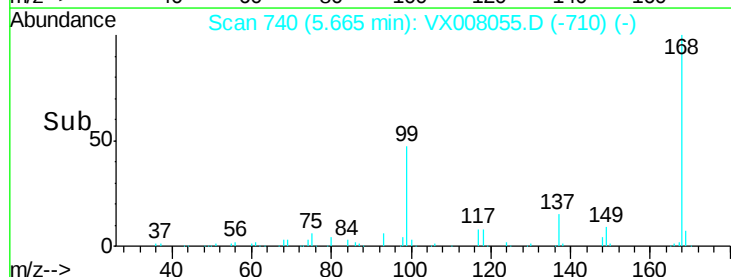


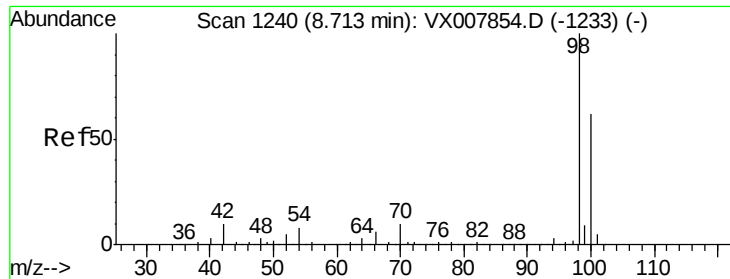
Abundance Ion 116.80 (116.50 to 117.50): VX007854.D (-748) (-)

Ion 118.80 (118.50 to 119.50): VX007854.D (-748) (-)

Ion 120.80 (120.50 to 121.50): VX007854.D (-748) (-)

Time-->





#50

Toluene-d8

Concen: 52.021 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008055.D

Acq: 13 Mar 2019 17:56

Instrument :

MSVOA_X

ClientSampleId :

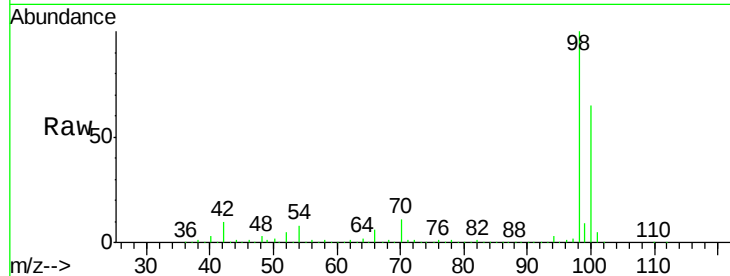
CPA-GMW5S-R-M20W2-030619

Tot Ion: 98 Resp: 460318

Ion Ratio Lower Upper

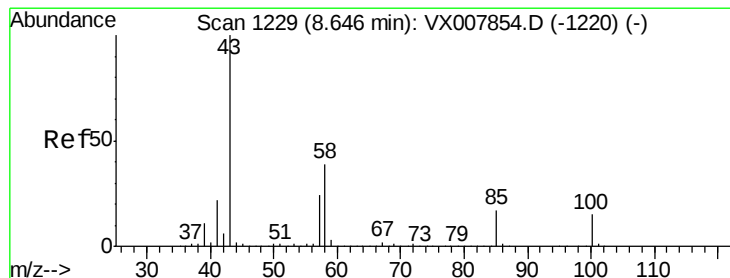
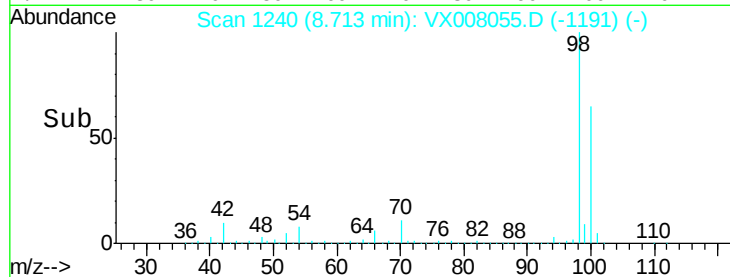
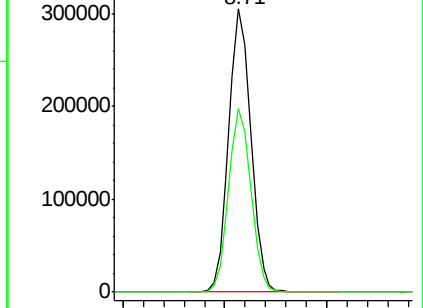
98 100

100 65.1 51.7 77.5



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: 0.453 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.07 min

Lab File: VX008055.D

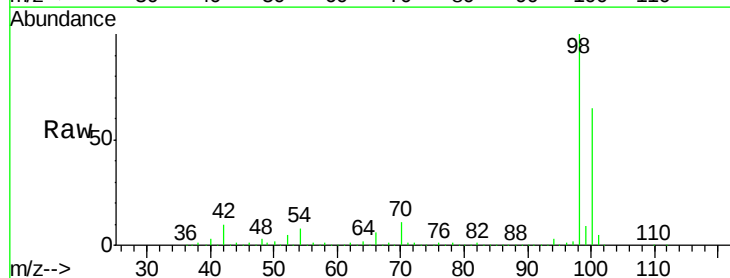
Acq: 13 Mar 2019 17:56

Tgt Ion: 43 Resp: 1746

Ion Ratio Lower Upper

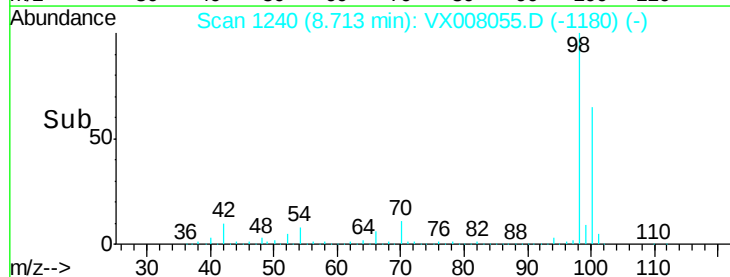
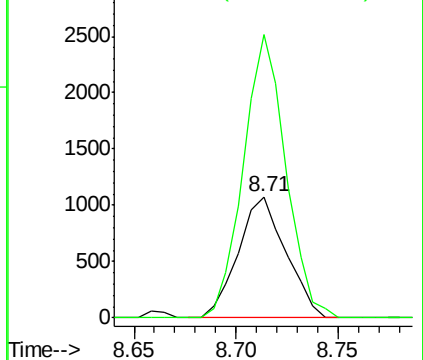
43 100

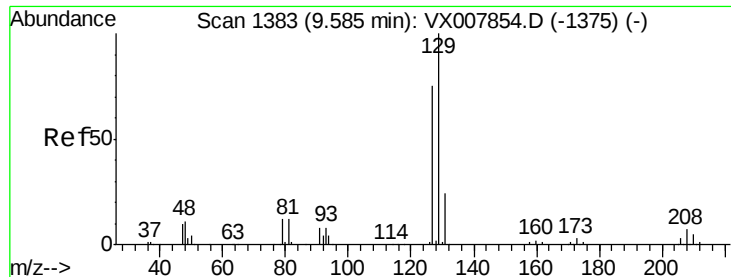
58 208.5 31.3 46.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 0.385 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.25 min

Lab File: VX008055.D

Acq: 13 Mar 2019 17:56

Instrument :

MSVOA_X

ClientSampleId :

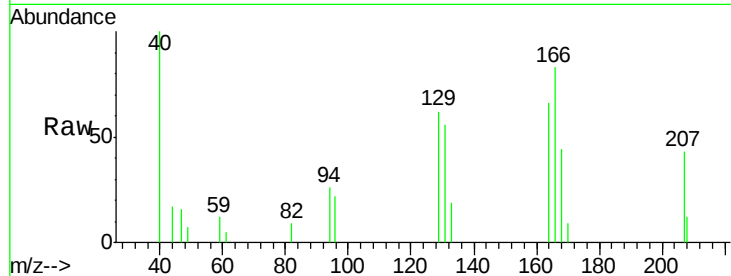
CPA-GMW5S-R-M20W2-030619

Tot Ion:129 Resp: 1011

Ion Ratio Lower Upper

129 100

127 0.0 38.3 114.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.34

800

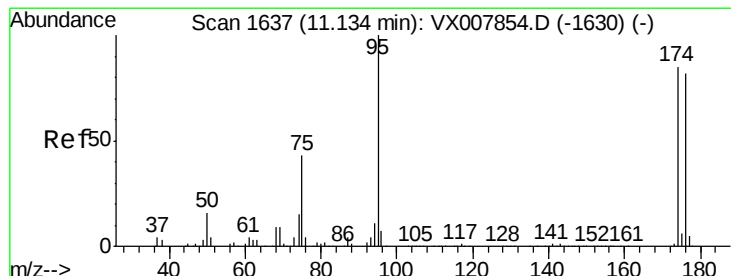
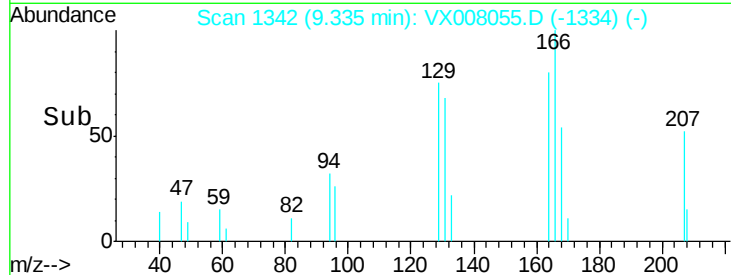
600

400

200

0

Time-->



#62

4-Bromofluorobenzene

Concen: 55.758 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008055.D

Acq: 13 Mar 2019 17:56

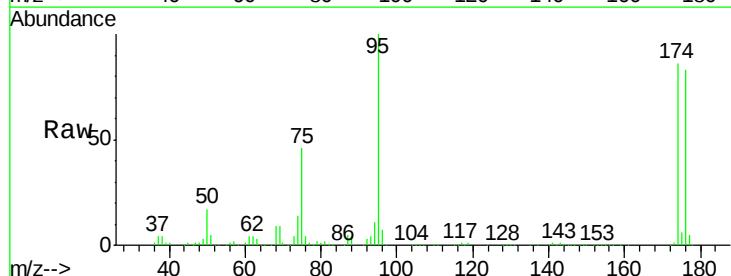
Tgt Ion: 95 Resp: 172984

Ion Ratio Lower Upper

95 100

174 91.9 0.0 182.8

176 90.0 0.0 178.0



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

11.13

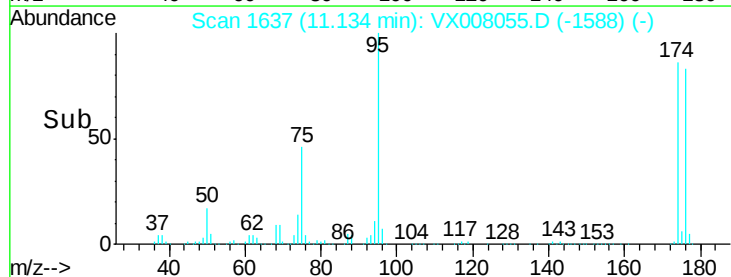
150000

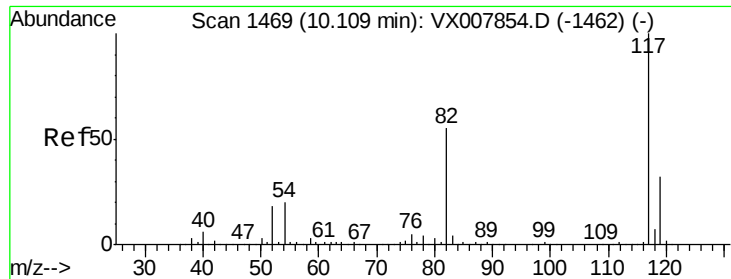
100000

50000

0

Time-->

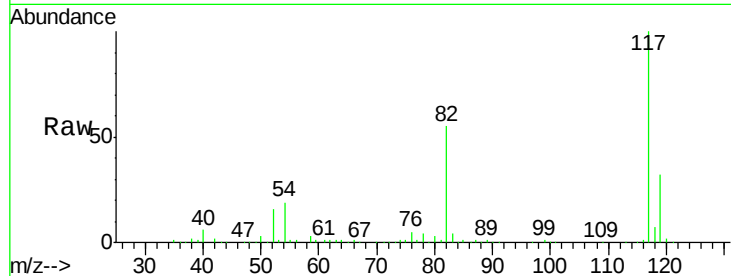




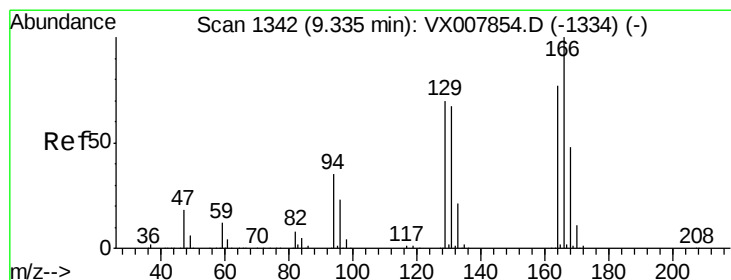
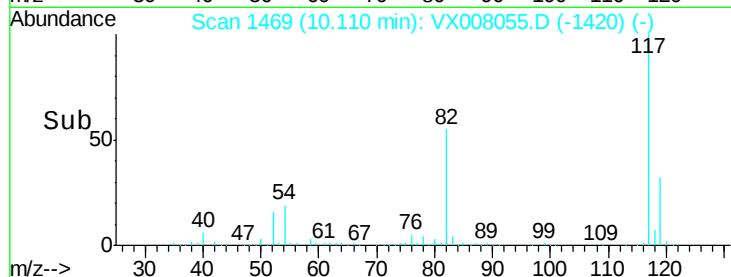
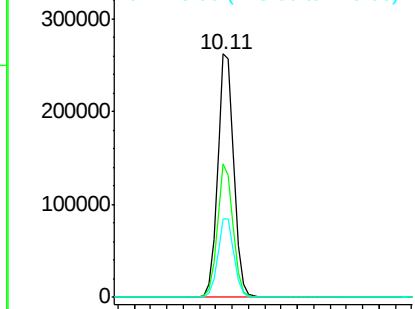
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008055.D
Acq: 13 Mar 2019 17:56

Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW5S-R-M20W2-030619

Tot Ion:117 Resp: 366178
Ion Ratio Lower Upper
117 100
82 54.7 44.3 66.5
119 32.3 25.3 37.9



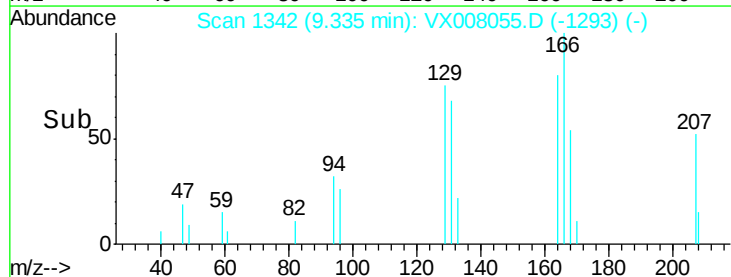
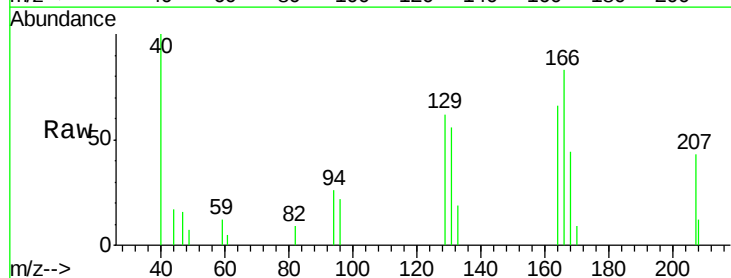
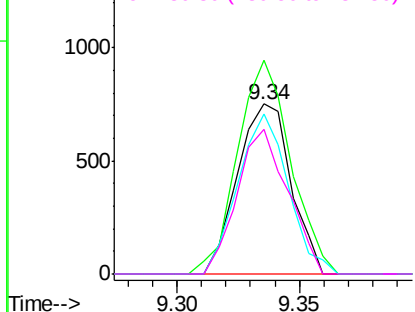
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

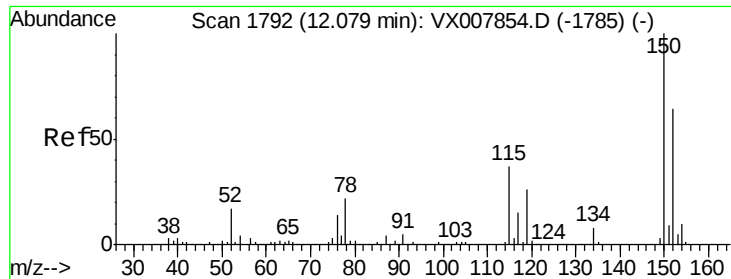


#64
Tetrachloroethene
Concen: 0.375 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008055.D
Acq: 13 Mar 2019 17:56

Tgt Ion:164 Resp: 1138
Ion Ratio Lower Upper
164 100
166 125.7 103.4 155.0
129 94.4 72.2 108.4
131 85.5 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: VX008055.D

Acq: 13 Mar 2019 17:56

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW5S-R-M20W2-030619

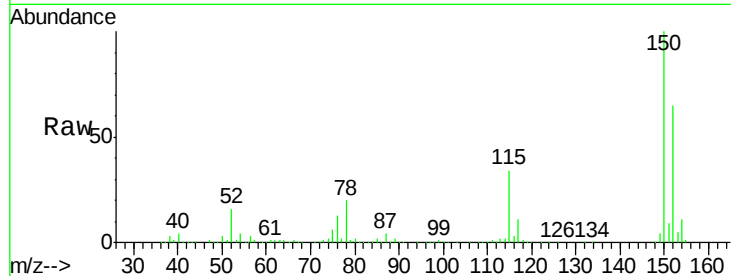
Tot Ion:152 Resp: 178765

Ion Ratio Lower Upper

152 100

115 54.4 38.6 115.7

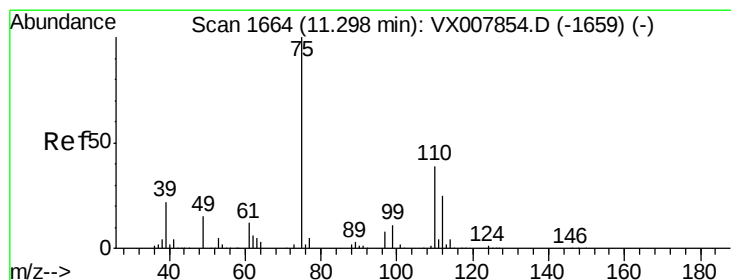
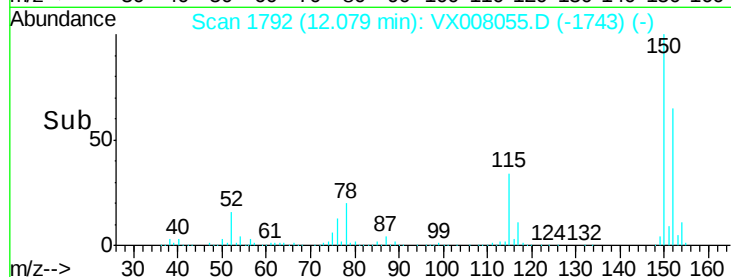
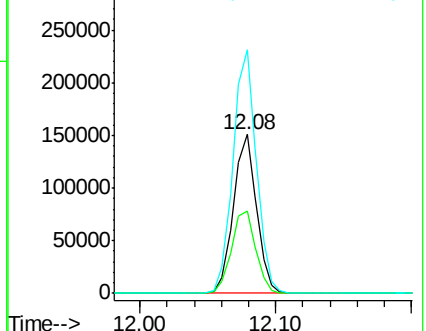
150 154.7 0.0 348.4



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: 20.882 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008055.D

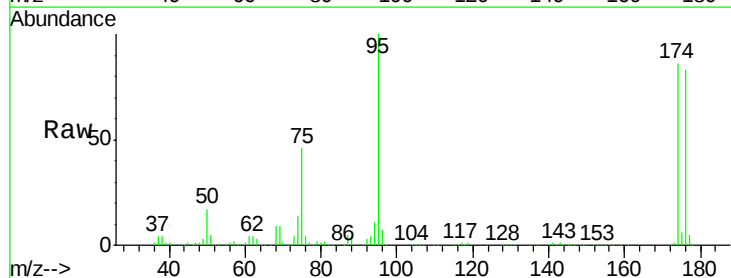
Acq: 13 Mar 2019 17:56

Tgt Ion: 75 Resp: 78334

Ion Ratio Lower Upper

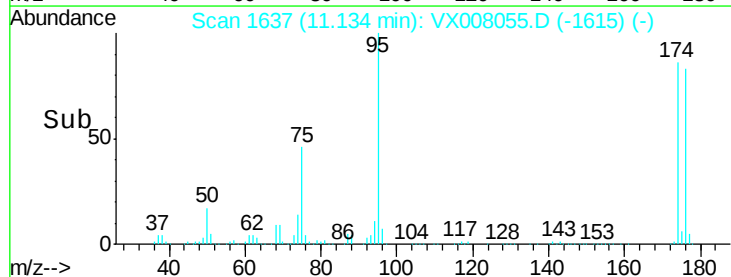
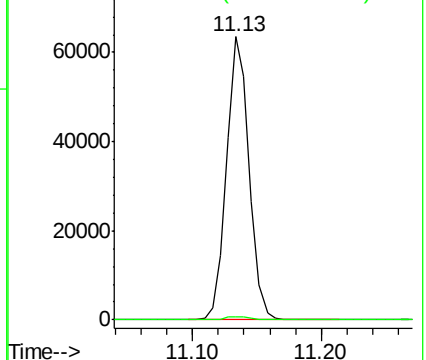
75 100

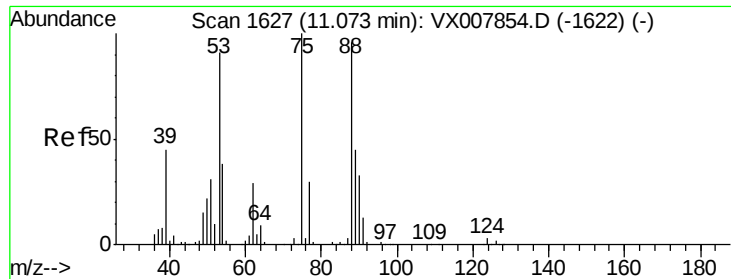
77 1.4 18.9 56.7#



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: 66.750 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008055.D

Acq: 13 Mar 2019 17:56

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW5S-R-M20W2-030619

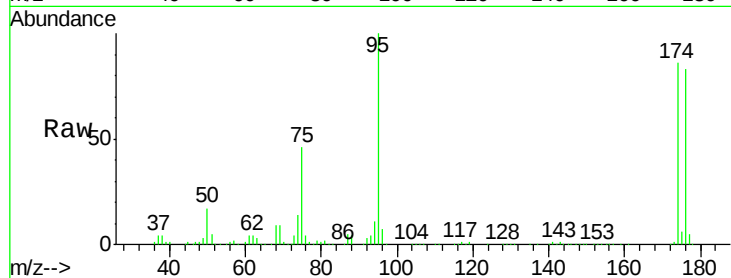
Tot Ion: 75 Resp: 78334

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

