

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062619\
 Data File : VX010460.D
 Acq On : 26 Jun 2019 14:12
 Operator : JC/SP
 Sample : K3527-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW04S-M24W1-062019

Quant Time: Jun 27 01:12:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	245714	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	377686	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	342920	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	157605	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	116138	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	
35) Dibromofluoromethane	5.50	113	114782	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	
50) Toluene-d8	8.71	98	447832	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
62) 4-Bromofluorobenzene	11.13	95	148223	46.44	ug/l	0.00
Spiked Amount			Recovery	=	92.88%	

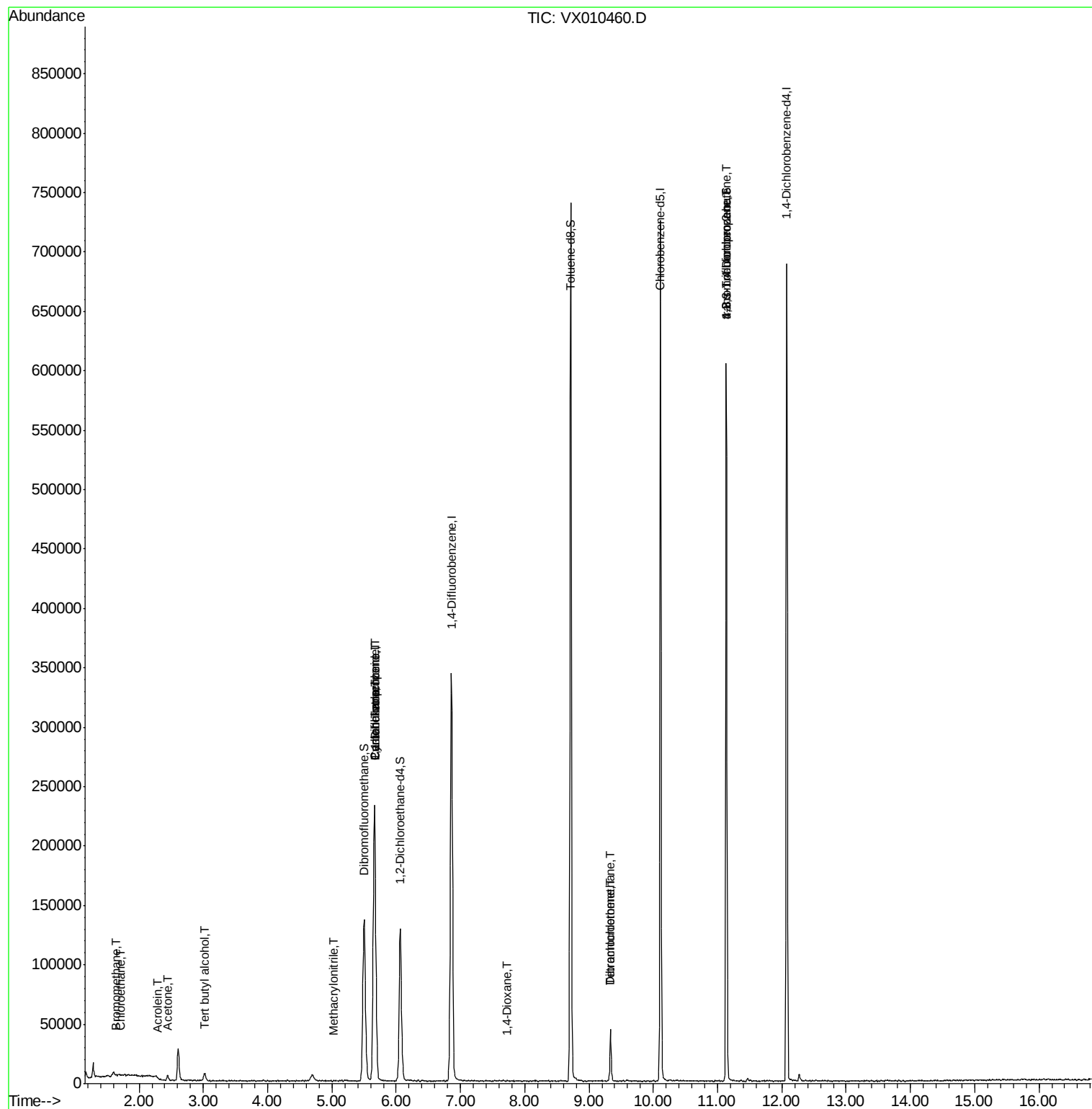
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	295	0.278	ug/l #	53
6) Chloroethane	1.71	64	558	0.434	ug/l #	41
11) Tert butyl alcohol	3.02	59	3615	5.997	ug/l #	77
13) Acrolein	2.29	56	271	0.678	ug/l #	39
16) Acetone	2.44	43	4611	3.994	ug/l	96
31) Cyclohexane	5.67	56	4353	1.308	ug/l #	18
36) 1,1-Dichloropropene	5.66	75	15318	5.104	ug/l #	47
38) Carbon Tetrachloride	5.66	117	21546	6.630	ug/l #	15
41) Methacrylonitrile	5.04	41	400	0.236	ug/l #	37
49) 1,4-Dioxane	7.73	88	45	0.658	ug/l #	1
60) Dibromochloromethane	9.34	129	7913	2.783	ug/l #	11
64) Tetrachloroethene	9.34	164	8854	3.192	ug/l	87
76) 1,2,3-Trichloropropane	11.13	75	70500	24.548	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	70500	57.267	ug/l #	16

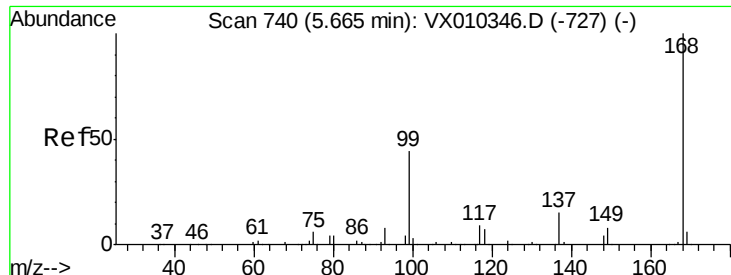
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062619\
Data File : VX010460.D
Acq On : 26 Jun 2019 14:12
Operator : JC/SP
Sample : K3527-06
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW04S-M24W1-062019

Quant Time: Jun 27 01:12:30 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 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: VX010460.D

Acq: 26 Jun 2019 14:12

Instrument :

MSVOA_X

ClientSampleId :

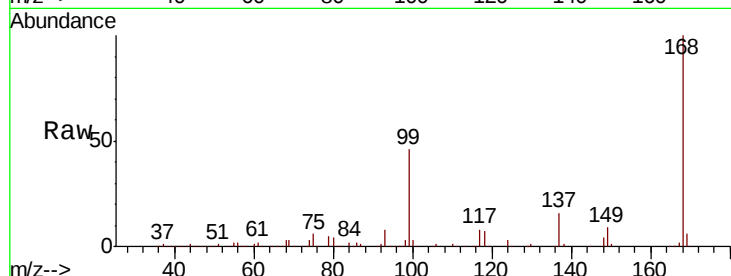
CPA-CPMW04S-M24W1-062019

Tot Ion:168 Resp: 245714

Ion Ratio Lower Upper

168 100

99 46.4 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

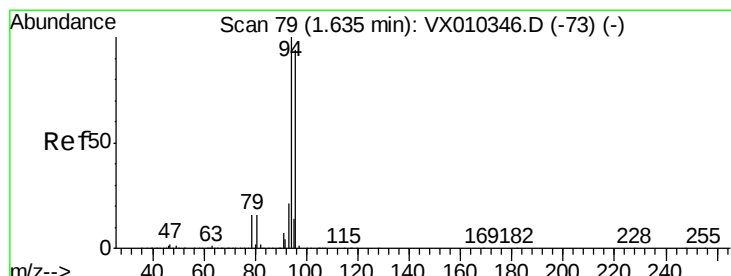
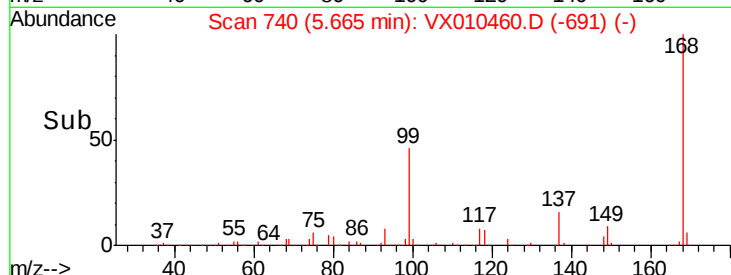
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#5

Bromomethane

Concen: 0.278 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010460.D

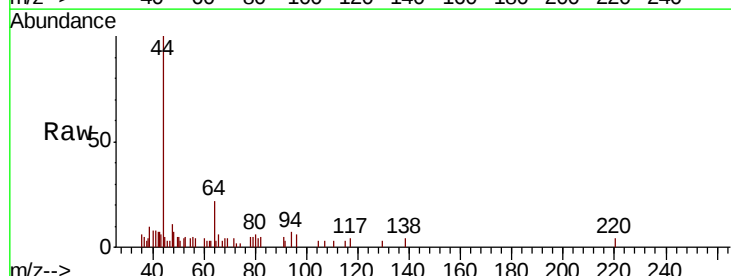
Acq: 26 Jun 2019 14:12

Tgt Ion: 94 Resp: 295

Ion Ratio Lower Upper

94 100

96 49.3 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

150

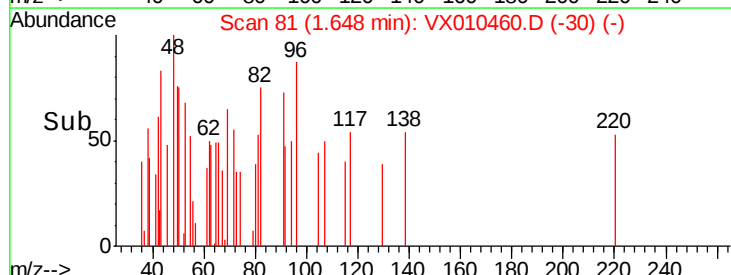
100

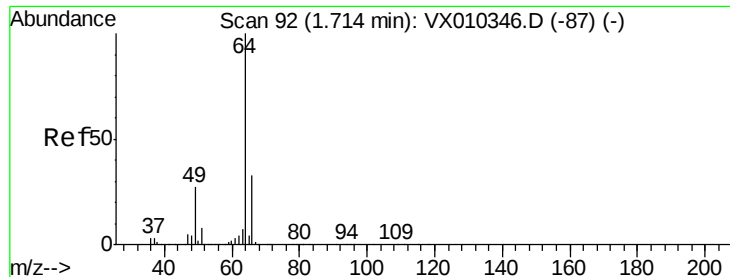
50

0

Time-->

1.60 1.65





#6

Chloroethane

Concen: 0.434 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX010460.D

Acq: 26 Jun 2019 14:12

Instrument :

MSVOA_X

ClientSampleId :

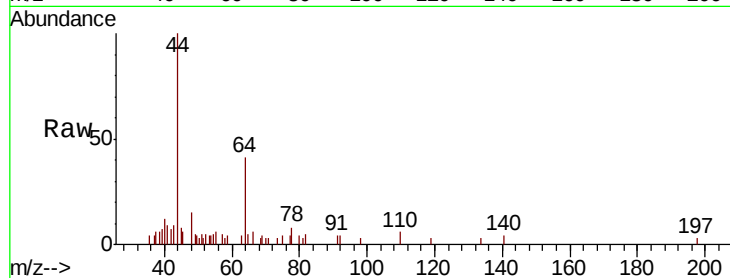
CPA-CPMW04S-M24W1-062019

Tot Ion: 64 Resp: 558

Ion Ratio Lower Upper

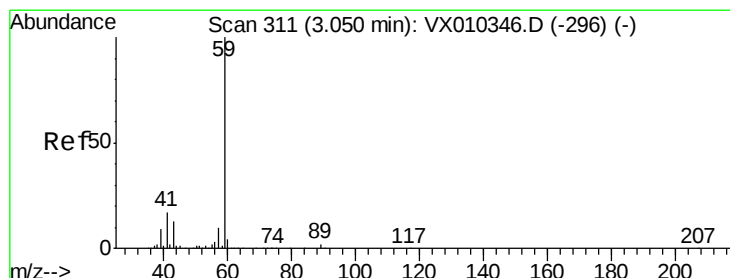
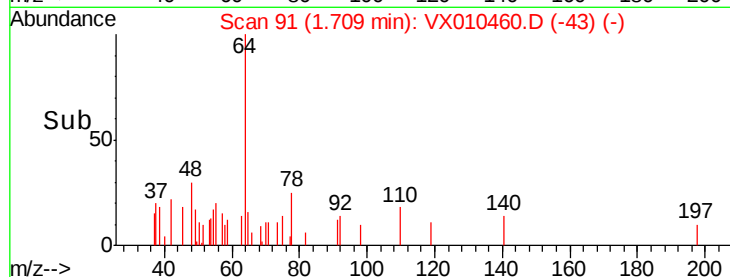
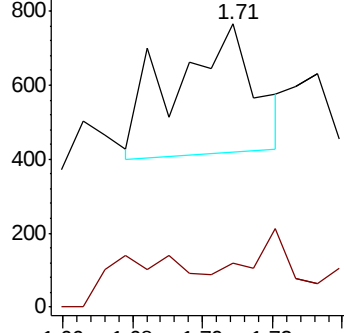
64 100

66 0.0 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 5.997 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX010460.D

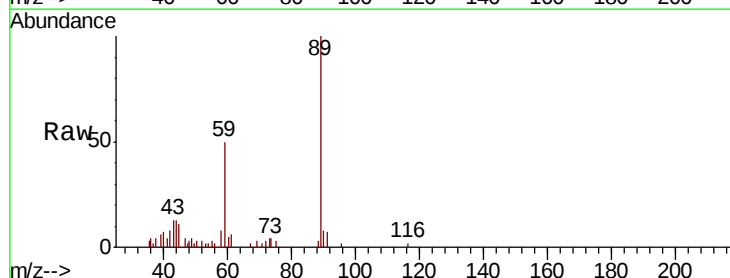
Acq: 26 Jun 2019 14:12

Tgt Ion: 59 Resp: 3615

Ion Ratio Lower Upper

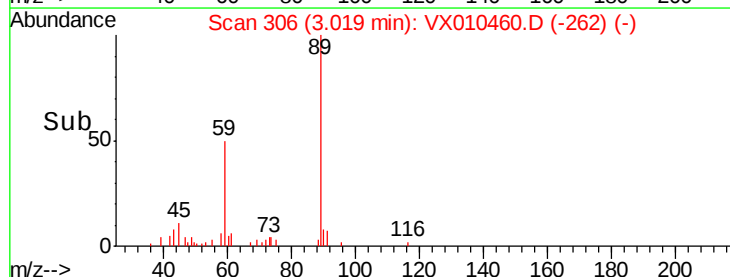
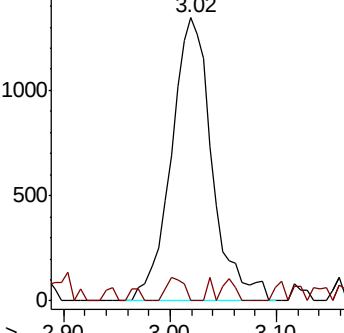
59 100

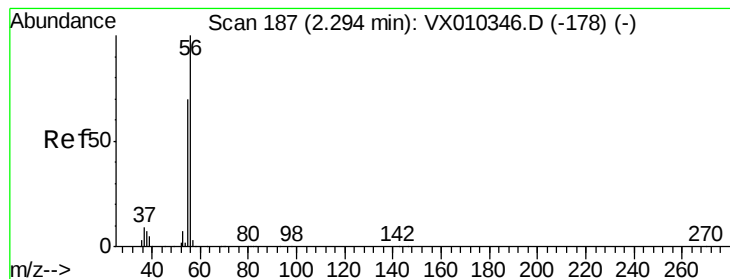
57 1.1 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.678 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010460.D

Acq: 26 Jun 2019 14:12

Instrument :

MSVOA_X

ClientSampleId :

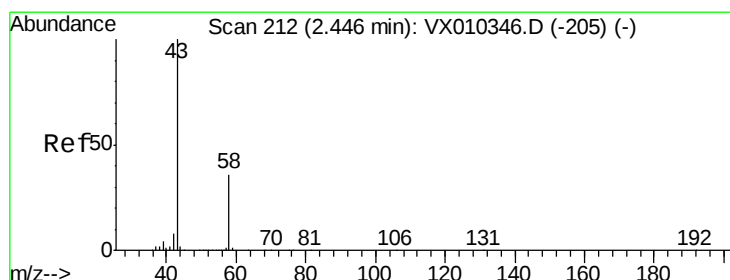
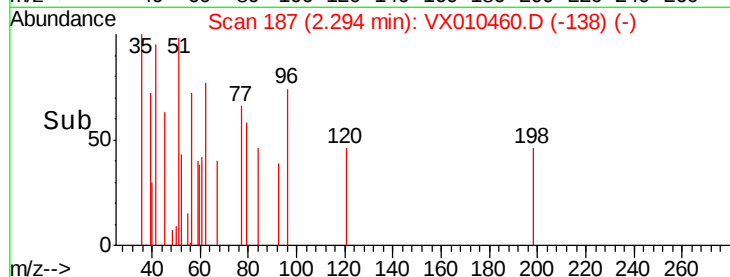
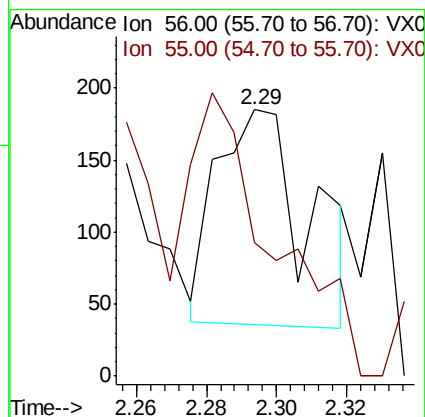
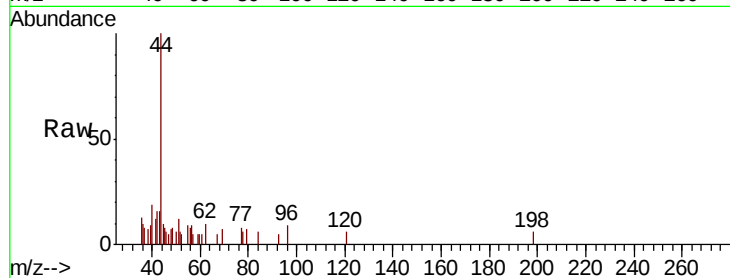
CPA-CPMW04S-M24W1-062019

Tot Ion: 56 Resp: 271

Ion Ratio Lower Upper

56 100

55 121.8 56.9 85.3#



#16

Acetone

Concen: 3.994 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010460.D

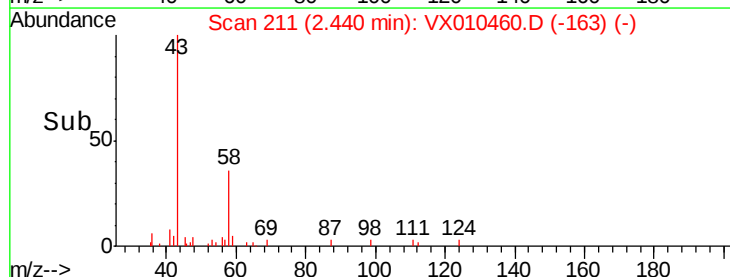
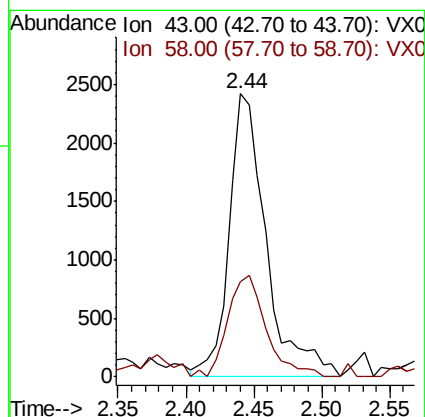
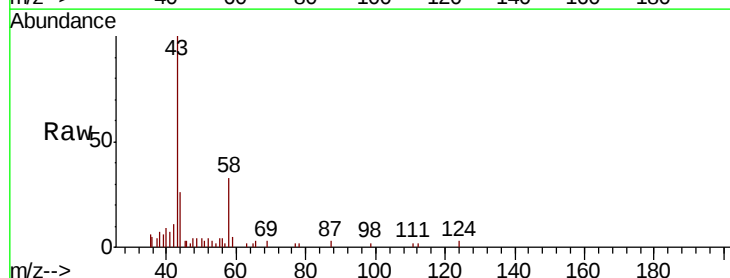
Acq: 26 Jun 2019 14:12

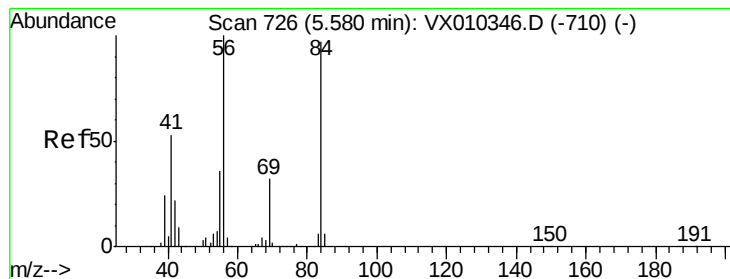
Tgt Ion: 43 Resp: 4611

Ion Ratio Lower Upper

43 100

58 33.5 28.9 43.3





#31

Cyclohexane

Concen: 1.308 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX010460.D

Acq: 26 Jun 2019 14:12

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW04S-M24W1-062019

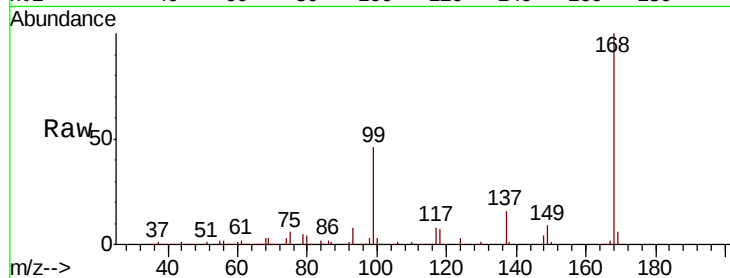
Tot Ion: 56 Resp: 4353

Ion Ratio Lower Upper

56 100

69 153.9 25.9 38.9#

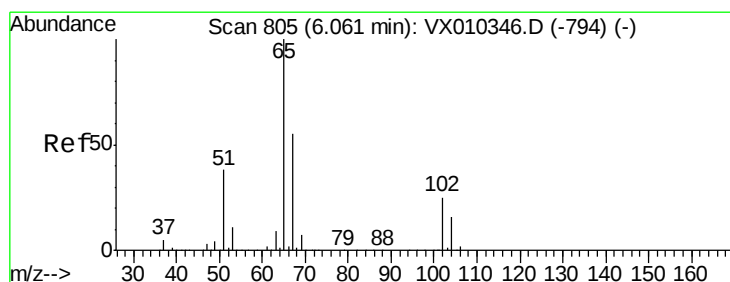
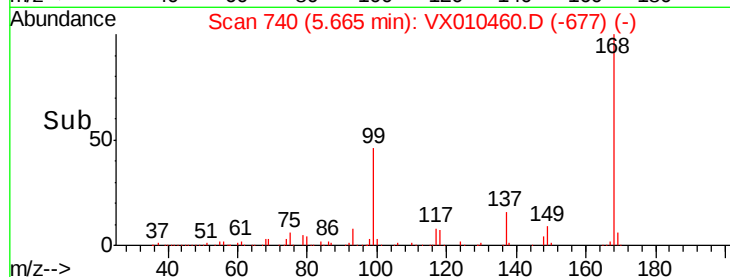
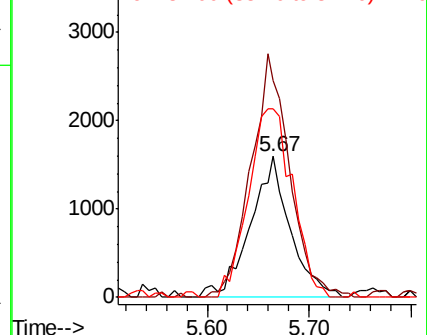
84 133.9 78.0 117.0#



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: 50.411 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010460.D

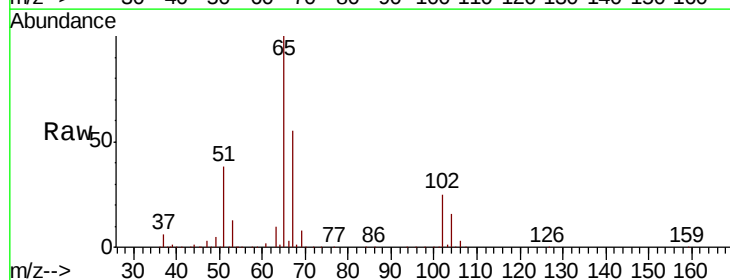
Acq: 26 Jun 2019 14:12

Tgt Ion: 65 Resp: 116138

Ion Ratio Lower Upper

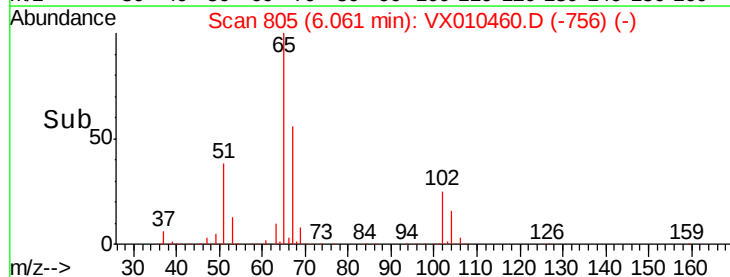
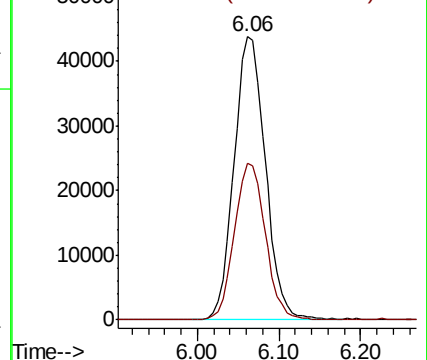
65 100

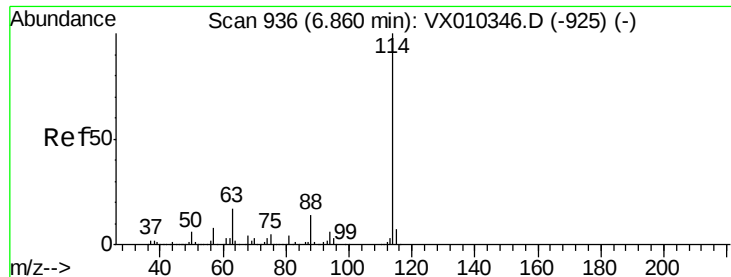
67 54.6 0.0 110.2



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: VX010460.D

Acq: 26 Jun 2019 14:12

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW04S-M24W1-062019

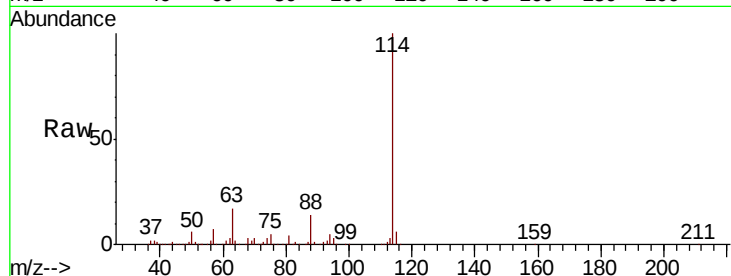
Tot Ion:114 Resp: 377686

Ion Ratio Lower Upper

114 100

63 16.6 0.0 33.8

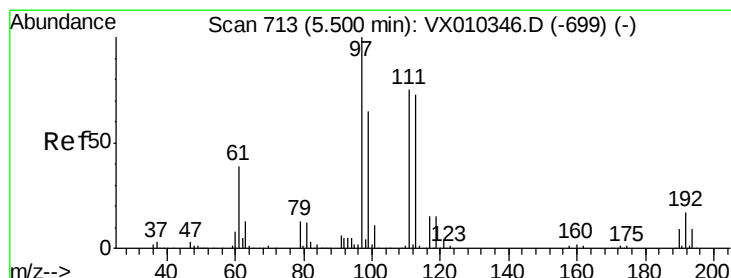
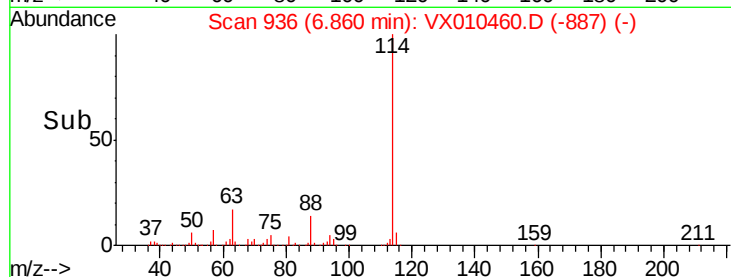
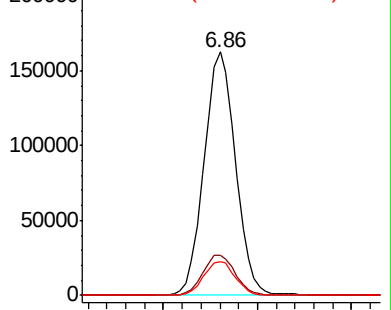
88 14.1 0.0 27.6



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: 49.672 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010460.D

Acq: 26 Jun 2019 14:12

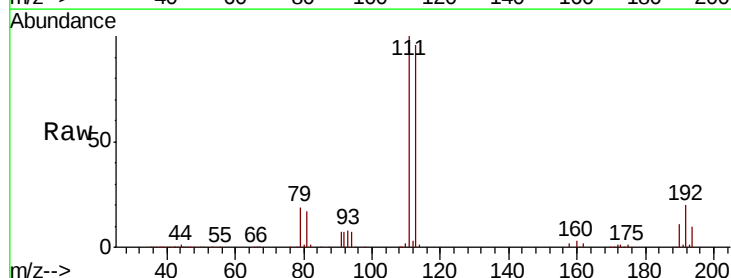
Tgt Ion:113 Resp: 114782

Ion Ratio Lower Upper

113 100

111 102.2 81.2 121.8

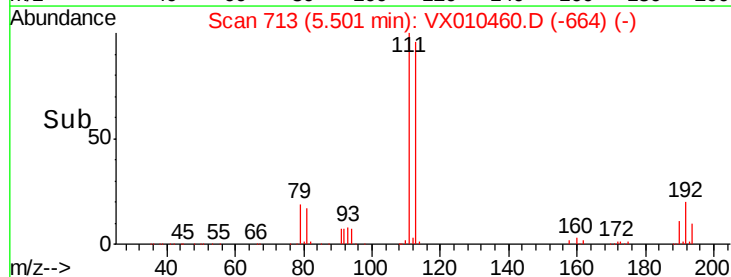
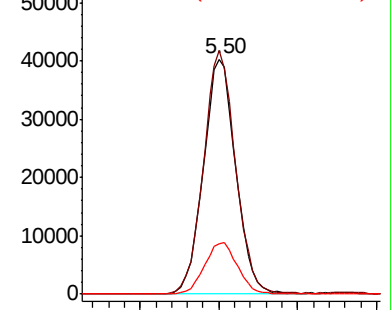
192 22.3 18.6 27.8

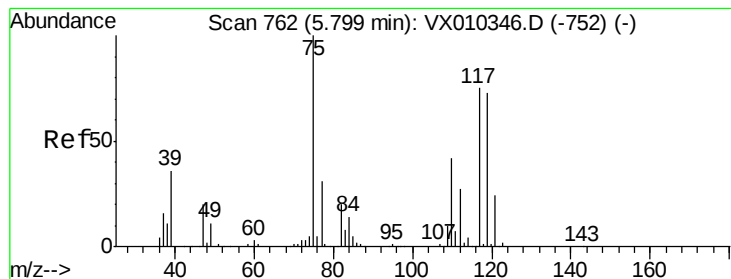


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.104 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010460.D

Acq: 26 Jun 2019 14:12

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW04S-M24W1-062019

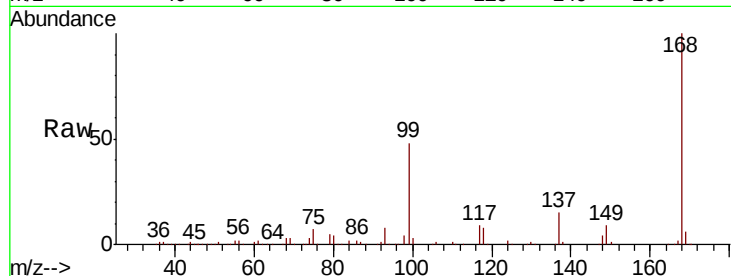
Tot Ion: 75 Resp: 15318

Ion Ratio Lower Upper

75 100

110 10.0 20.8 62.2#

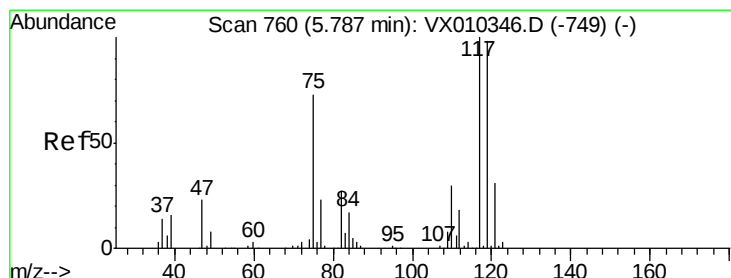
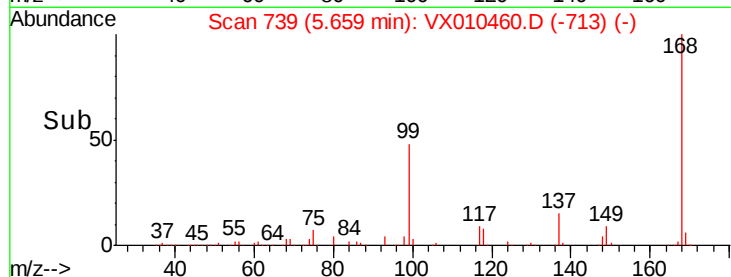
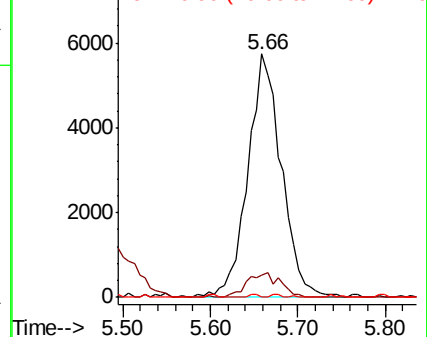
77 0.3 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.630 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010460.D

Acq: 26 Jun 2019 14:12

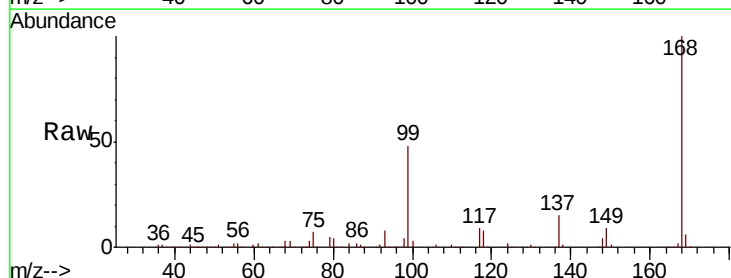
Tgt Ion: 117 Resp: 21546

Ion Ratio Lower Upper

117 100

119 4.6 78.2 117.4#

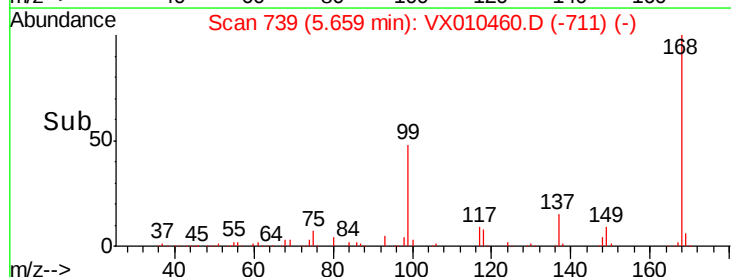
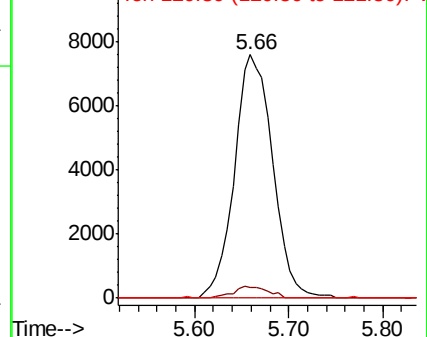
121 0.0 24.7 37.1#

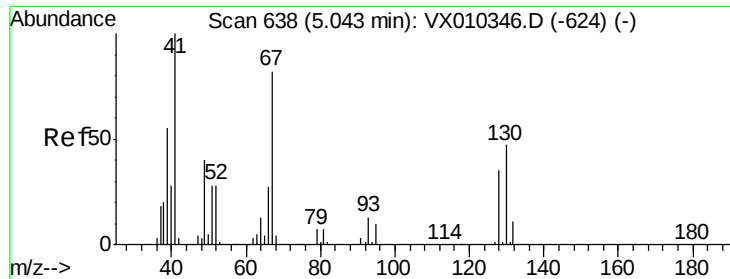


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#41

Methacrylonitrile

Concen: 0.236 ug/l

RT: 5.04 min Scan# 637

Delta R.T. -0.01 min

Lab File: VX010460.D

Acq: 26 Jun 2019 14:12

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW04S-M24W1-062019

Tot Ion: 41 Resp: 400

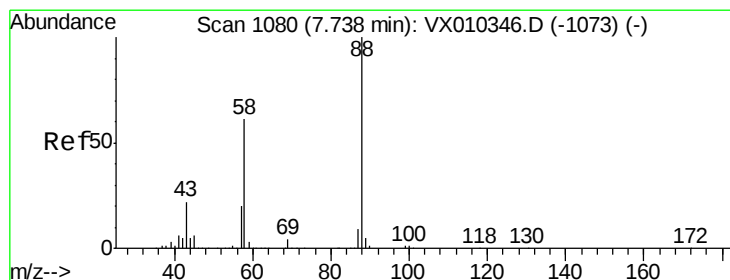
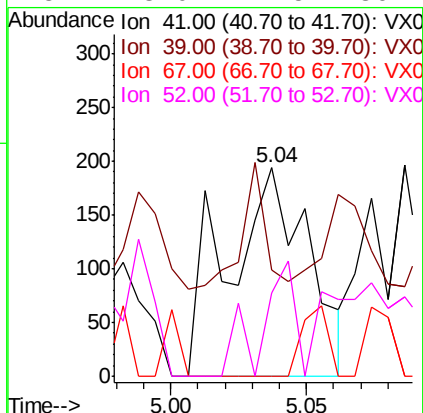
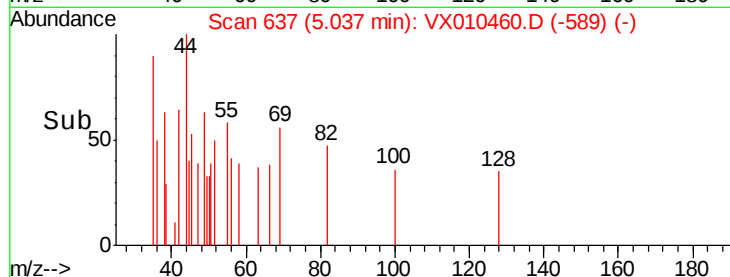
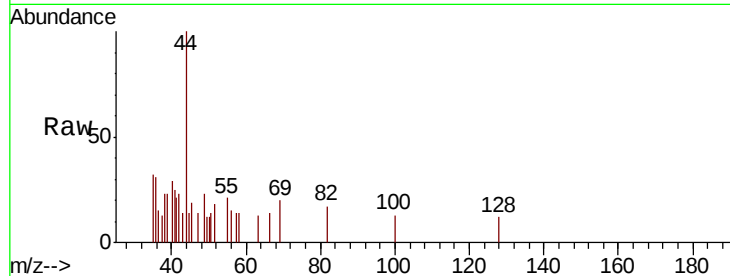
Ion Ratio Lower Upper

41 100

39 22.5 43.8 65.8#

67 0.0 66.6 100.0#

52 23.0 24.5 36.7#



#49

1,4-Dioxane

Concen: 0.658 ug/l

RT: 7.73 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VX010460.D

Acq: 26 Jun 2019 14:12

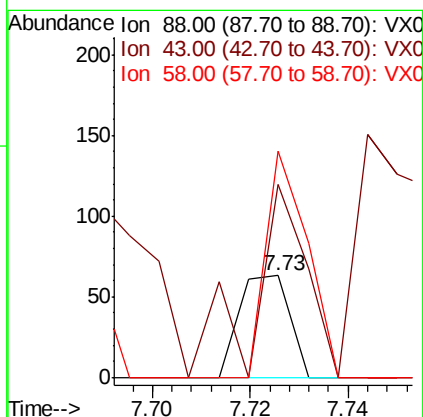
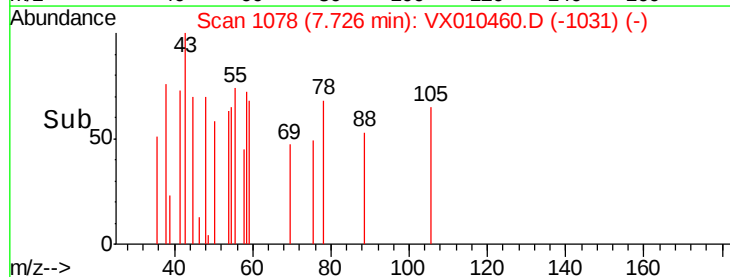
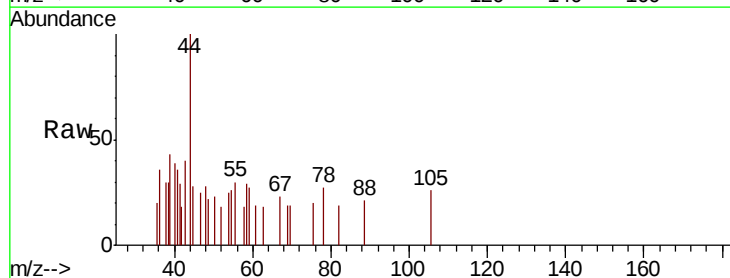
Tgt Ion: 88 Resp: 45

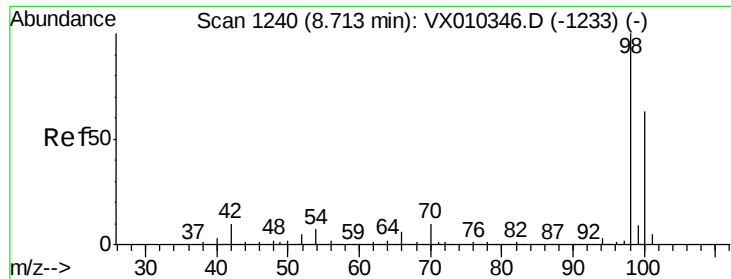
Ion Ratio Lower Upper

88 100

43 200.0 20.2 30.2#

58 182.2 49.5 74.3#





#50

Toluene-d8

Concen: 50.655 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010460.D

Acq: 26 Jun 2019 14:12

Instrument :

MSVOA_X

ClientSampleId :

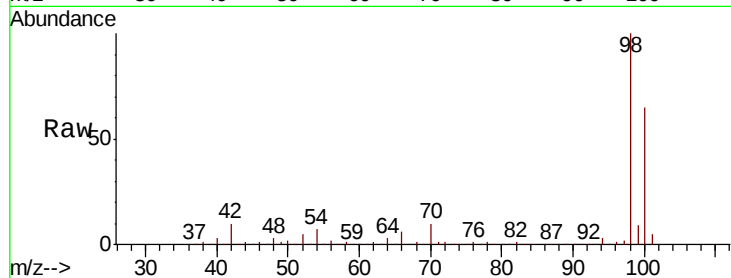
CPA-CPMW04S-M24W1-062019

Tot Ion: 98 Resp: 447832

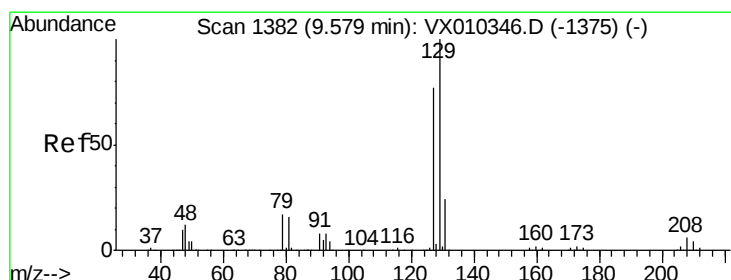
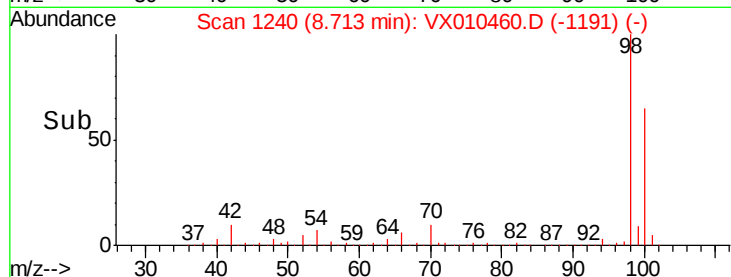
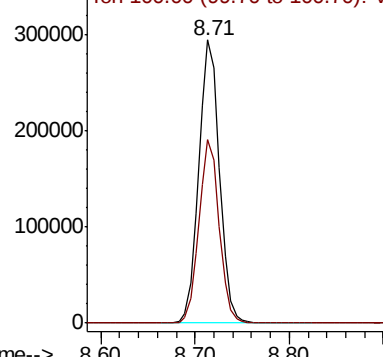
Ion Ratio Lower Upper

98 100

100 63.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX010346.D (-1233) (-)



#60

Dibromochloromethane

Concen: 2.783 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX010460.D

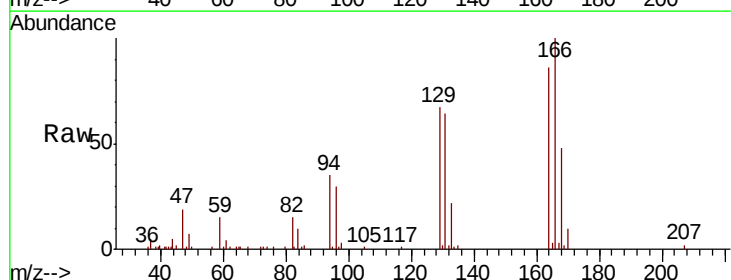
Acq: 26 Jun 2019 14:12

Tgt Ion: 129 Resp: 7913

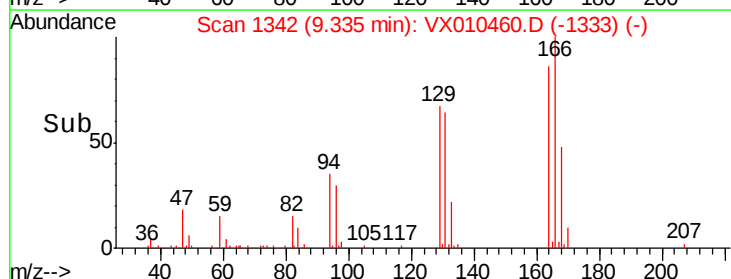
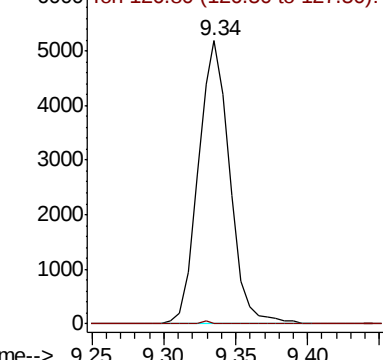
Ion Ratio Lower Upper

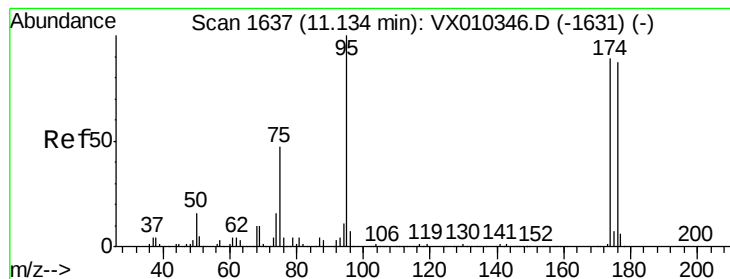
129 100

127 0.3 38.4 115.1#



Abundance Ion 128.80 (128.50 to 129.50): VX010346.D (-1375) (-)





#62

4-Bromofluorobenzene

Concen: 46.439 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010460.D

Acq: 26 Jun 2019 14:12

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW04S-M24W1-062019

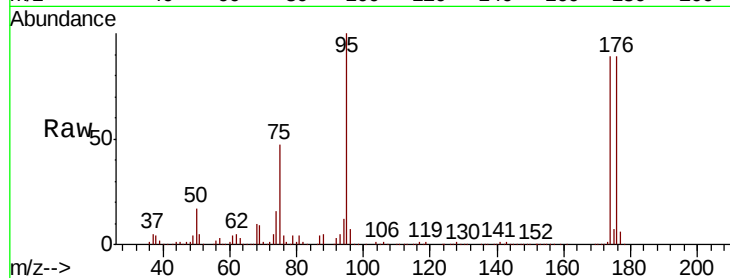
Tot Ion: 95 Resp: 148223

Ion Ratio Lower Upper

95 100

174 95.6 0.0 187.6

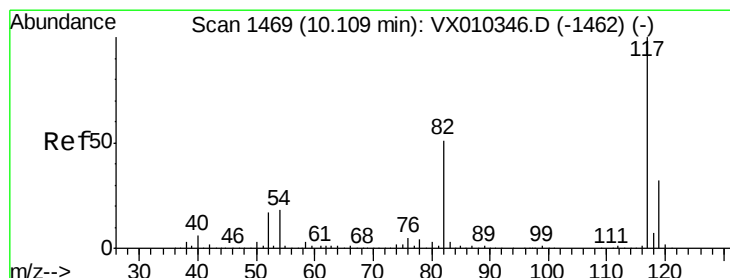
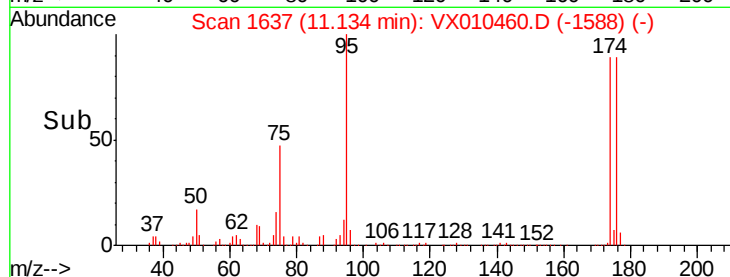
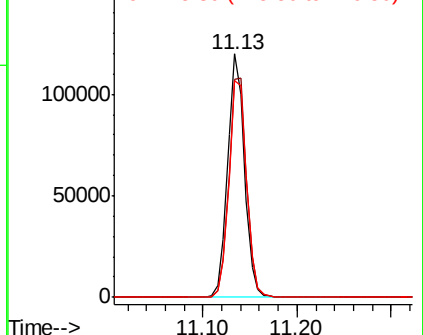
176 93.6 0.0 184.0



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010460.D

Acq: 26 Jun 2019 14:12

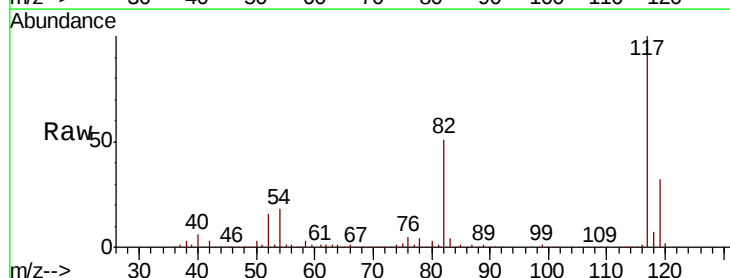
Tgt Ion: 117 Resp: 342920

Ion Ratio Lower Upper

117 100

82 51.2 41.2 61.8

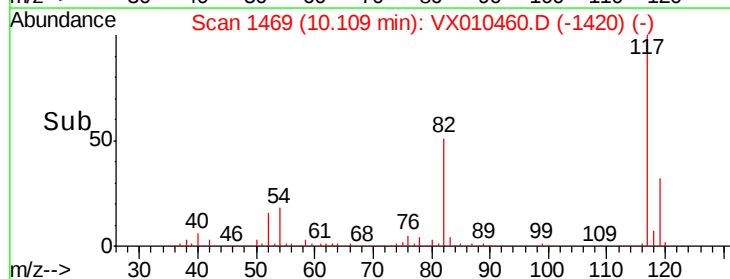
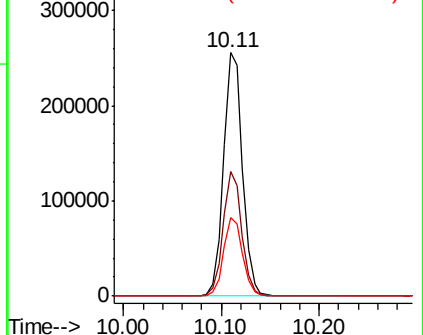
119 32.2 25.5 38.3

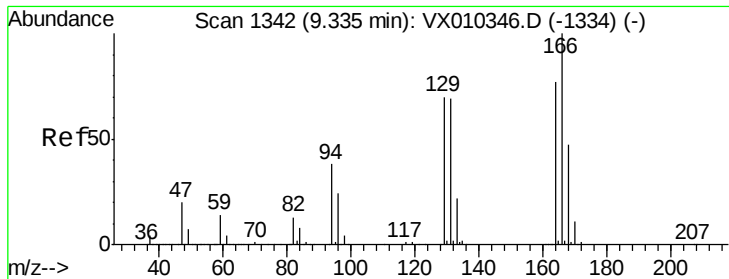


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 3.192 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX010460.D

Acq: 26 Jun 2019 14:12

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW04S-M24W1-062019

Tot Ion:164 Resp: 8854

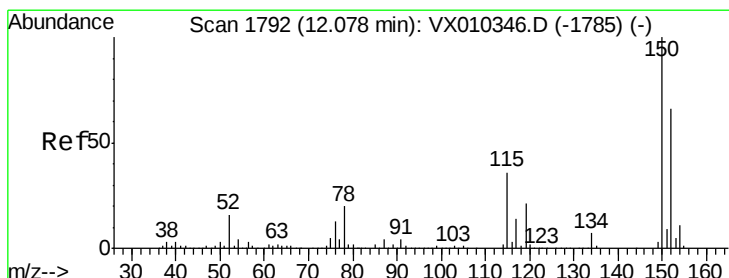
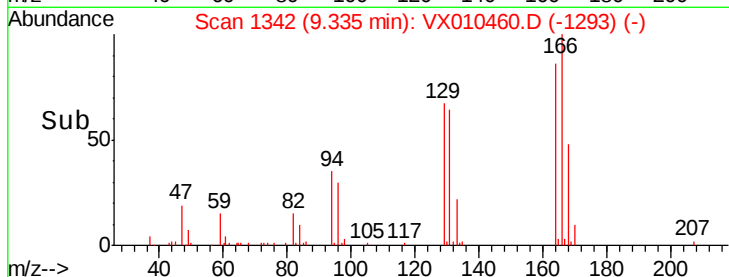
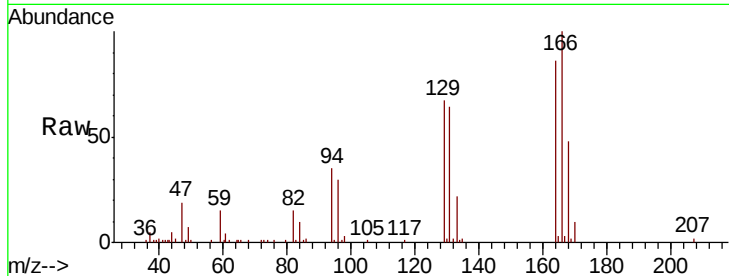
Ion Ratio Lower Upper

164 100

166 116.7 103.6 155.4

129 78.0 73.0 109.4

131 74.3 71.0 106.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010460.D

Acq: 26 Jun 2019 14:12

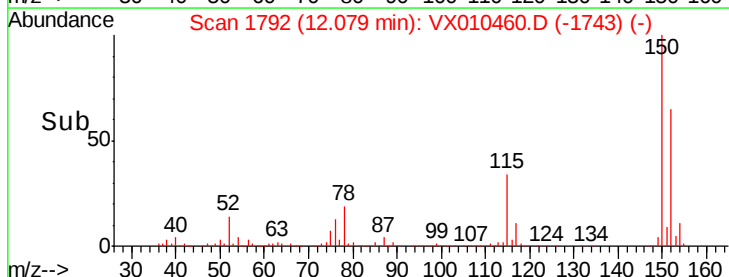
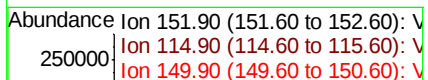
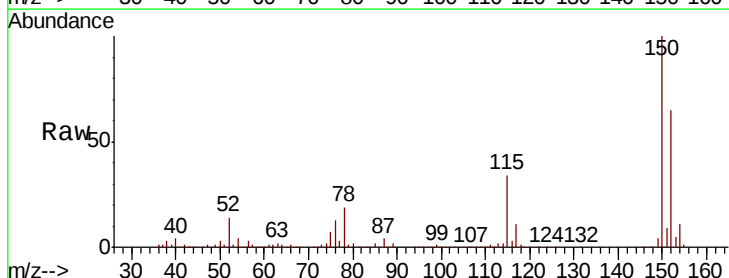
Tgt Ion:152 Resp: 157605

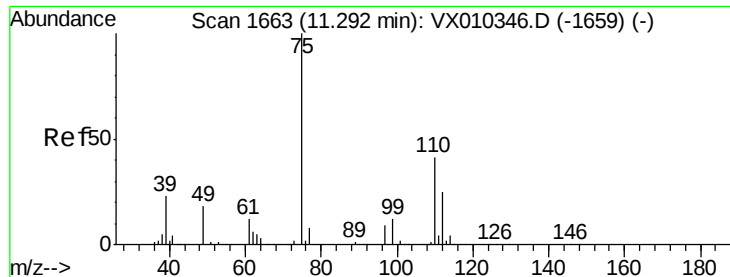
Ion Ratio Lower Upper

152 100

115 54.7 38.6 115.7

150 156.0 0.0 347.4

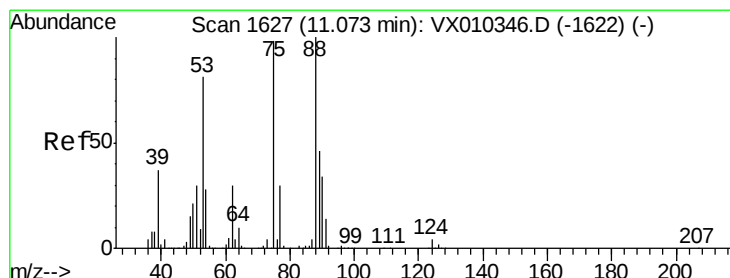
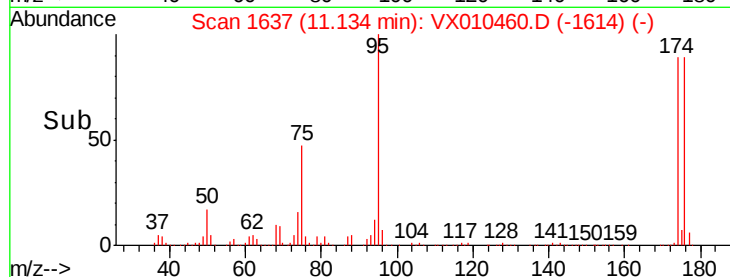
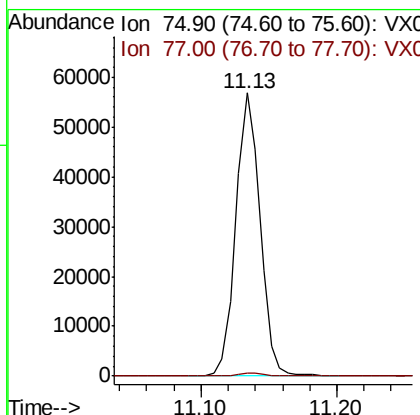
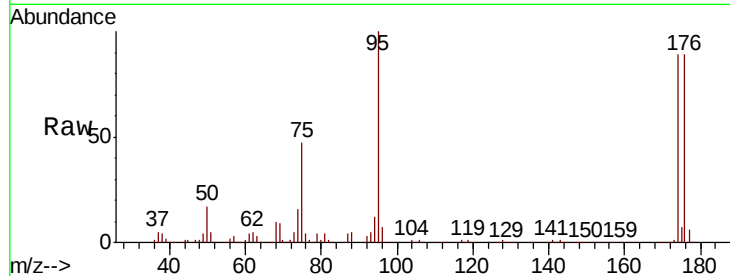




#76
 1,2,3-Trichloropropane
 Concen: 24.548 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010460.D
 Acq: 26 Jun 2019 14:12

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW04S-M24W1-062019

Tot Ion: 75 Resp: 70500
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.6 67.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.267 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010460.D
 Acq: 26 Jun 2019 14:12

Tgt Ion: 75 Resp: 70500
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.1 99.1#
 89 0.0 37.8 56.6#

