

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062619\
 Data File : VX010456.D
 Acq On : 26 Jun 2019 12:39
 Operator : JC/SP
 Sample : K3527-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW02D-M24W1-062019

Quant Time: Jun 27 01:11:39 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	255477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	388881	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	351981	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	158844	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	120187	50.18	ug/l	0.00
Spiked Amount			Recovery	=	100.36%	
35) Dibromofluoromethane	5.50	113	117584	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
50) Toluene-d8	8.71	98	461795	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
62) 4-Bromofluorobenzene	11.13	95	153245	46.63	ug/l	0.00
Spiked Amount			Recovery	=	93.26%	

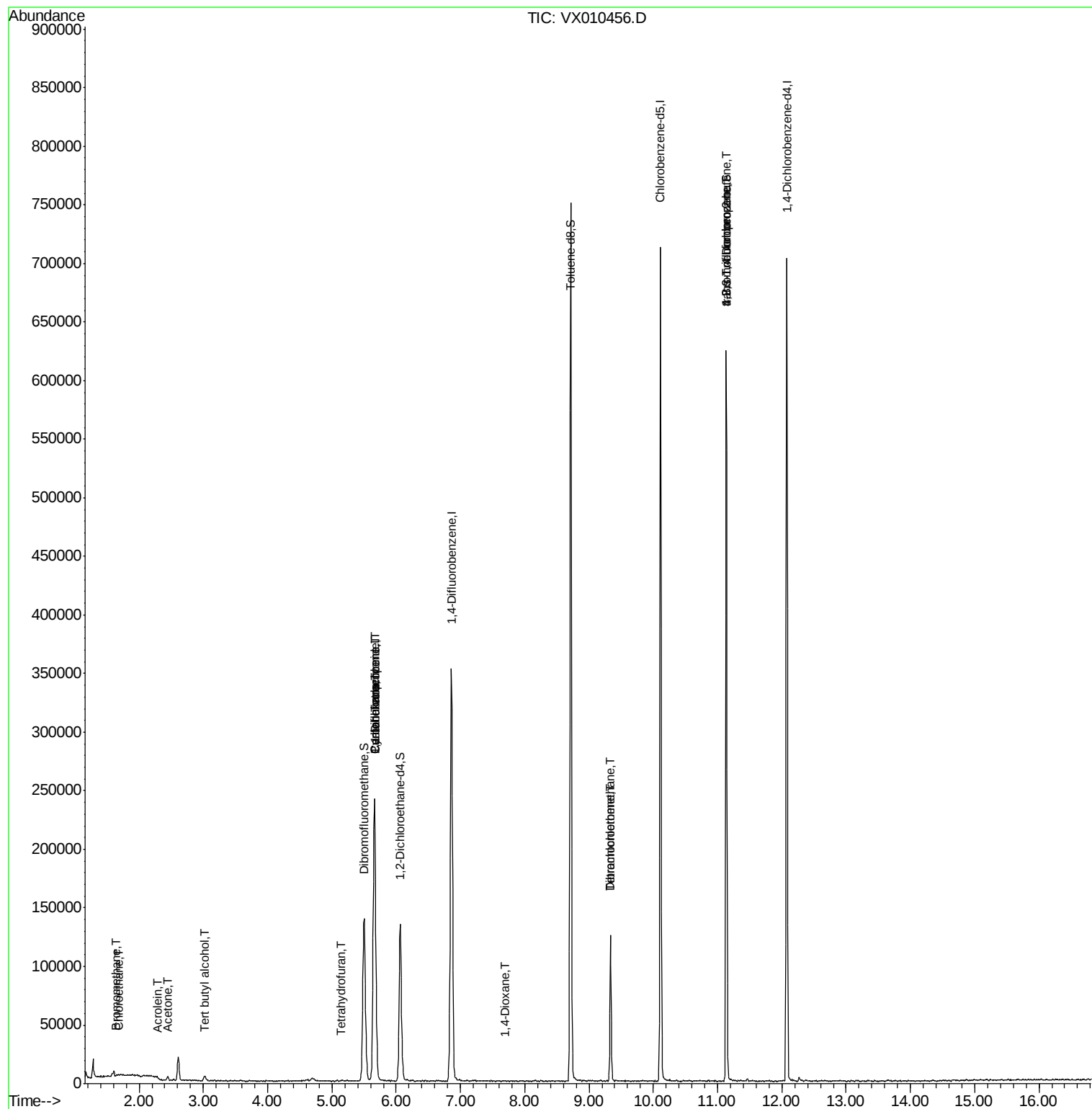
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	292	0.265	ug/l #	46
6) Chloroethane	1.68	64	430	0.322	ug/l #	62
11) Tert butyl alcohol	3.01	59	2518	4.017	ug/l #	79
13) Acrolein	2.29	56	183	0.440	ug/l #	30
16) Acetone	2.45	43	3656	3.045	ug/l	96
29) Tetrahydrofuran	5.15	42	385	0.353	ug/l #	54
31) Cyclohexane	5.67	56	4757	1.375	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15774	5.104	ug/l #	48
38) Carbon Tetrachloride	5.66	117	22681	6.778	ug/l #	16
49) 1,4-Dioxane	7.69	88	20	0.284	ug/l #	1
60) Dibromochloromethane	9.34	129	22788	7.784	ug/l #	11
64) Tetrachloroethene	9.34	164	24994	8.779	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	71880	24.833	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	71880	57.932	ug/l #	16

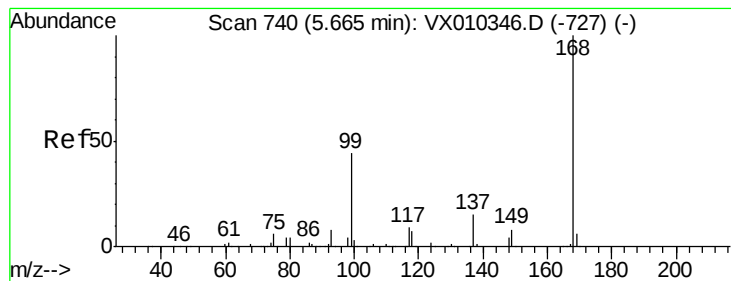
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX010456.D

Acq: 26 Jun 2019 12:39

Instrument :

MSVOA_X

ClientSampleId :

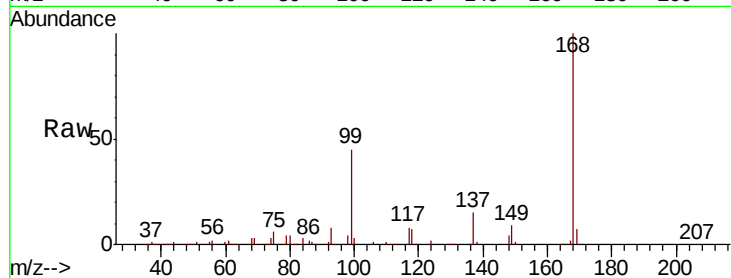
CPA-CPMW02D-M24W1-062019

Tot Ion:168 Resp: 255477

Ion Ratio Lower Upper

168 100

99 45.4 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

100000

80000

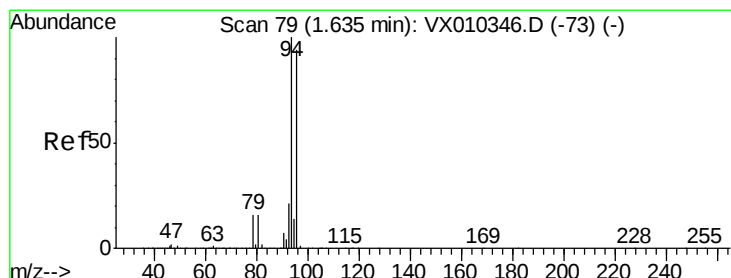
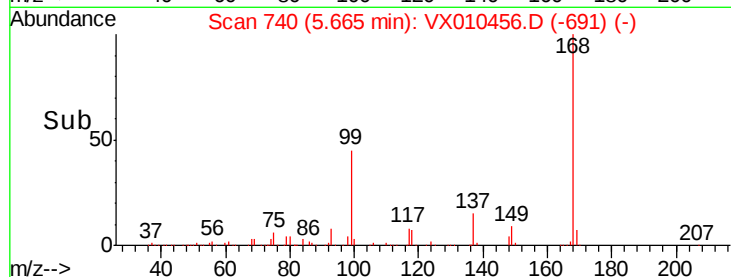
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.265 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010456.D

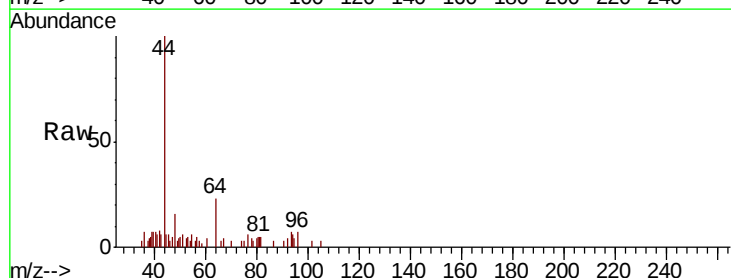
Acq: 26 Jun 2019 12:39

Tgt Ion: 94 Resp: 292

Ion Ratio Lower Upper

94 100

96 42.3 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

300

250

200

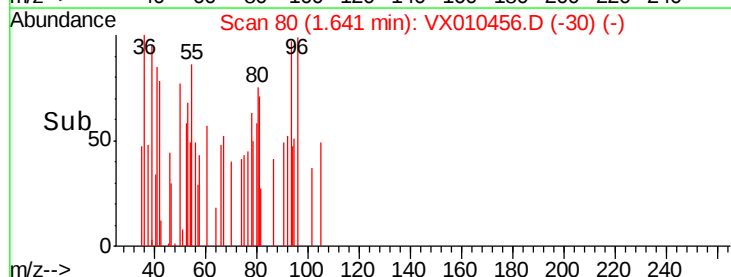
150

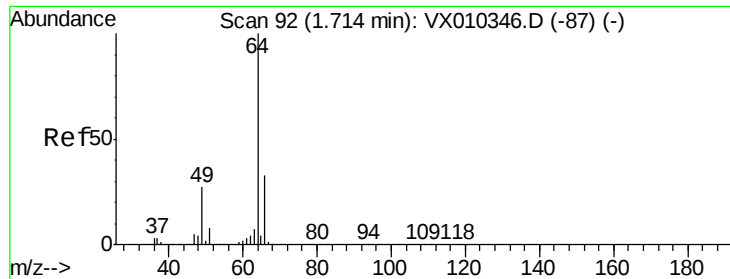
100

50

0

Time--> 1.62 1.64 1.66





#6

Chloroethane

Concen: 0.322 ug/l

RT: 1.68 min Scan# 86

Delta R.T. -0.04 min

Lab File: VX010456.D

Acq: 26 Jun 2019 12:39

Instrument :

MSVOA_X

ClientSampleId :

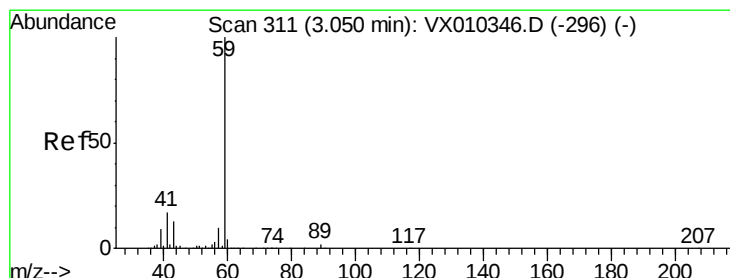
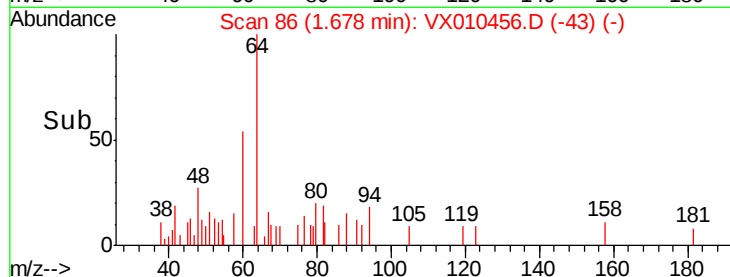
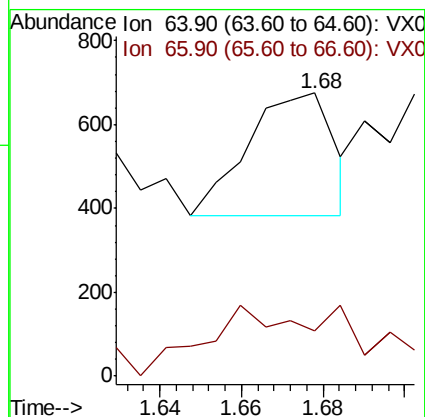
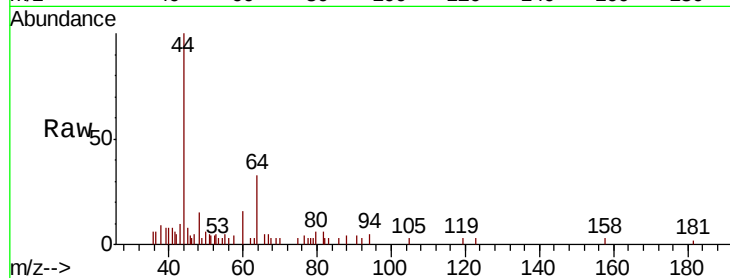
CPA-CPMW02D-M24W1-062019

Tot Ion: 64 Resp: 430

Ion Ratio Lower Upper

64 100

66 11.9 26.6 40.0#



#11

Tert butyl alcohol

Concen: 4.017 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.04 min

Lab File: VX010456.D

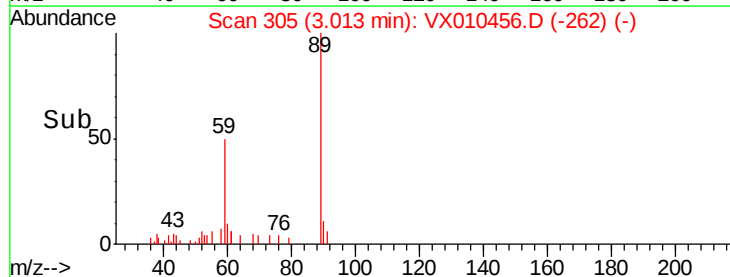
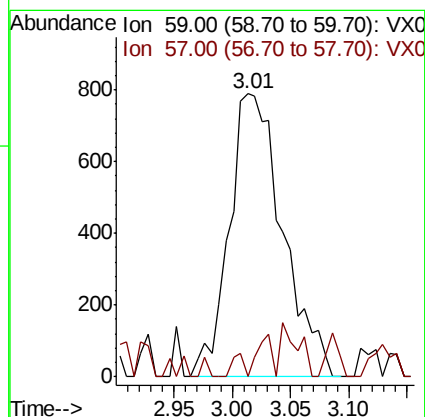
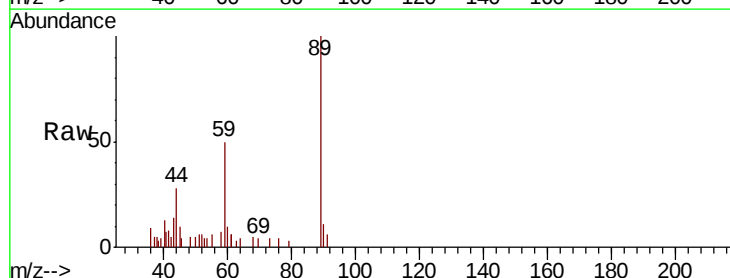
Acq: 26 Jun 2019 12:39

Tgt Ion: 59 Resp: 2518

Ion Ratio Lower Upper

59 100

57 1.7 7.7 11.5#





#13

Acrolein

Concen: 0.440 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010456.D

Acq: 26 Jun 2019 12:39

Instrument :

MSVOA_X

ClientSampleId :

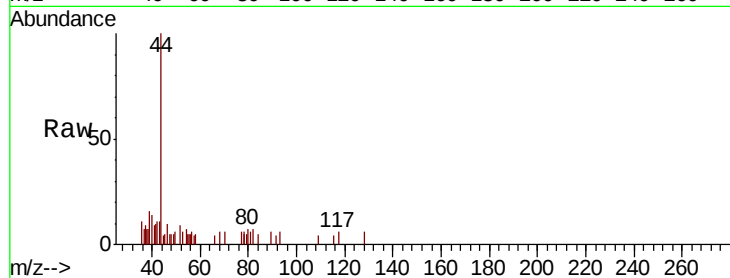
CPA-CPMW02D-M24W1-062019

Tot Ion: 56 Resp: 183

Ion Ratio Lower Upper

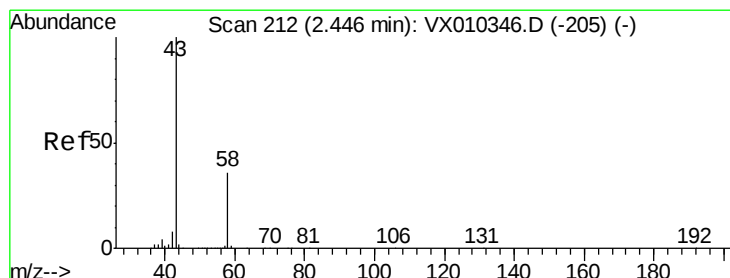
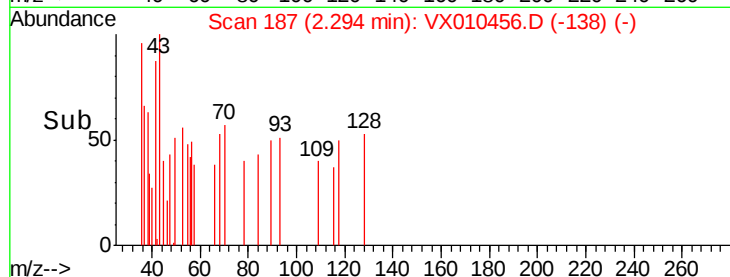
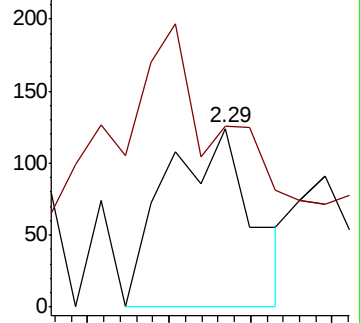
56 100

55 129.0 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 3.045 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010456.D

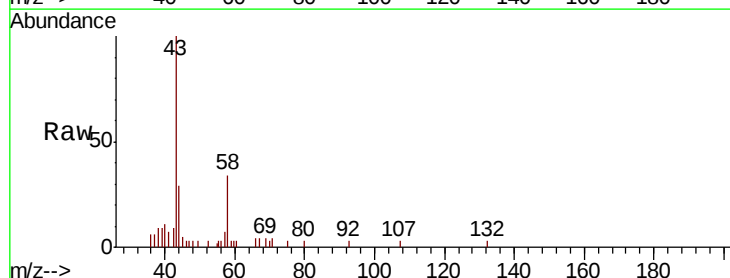
Acq: 26 Jun 2019 12:39

Tgt Ion: 43 Resp: 3656

Ion Ratio Lower Upper

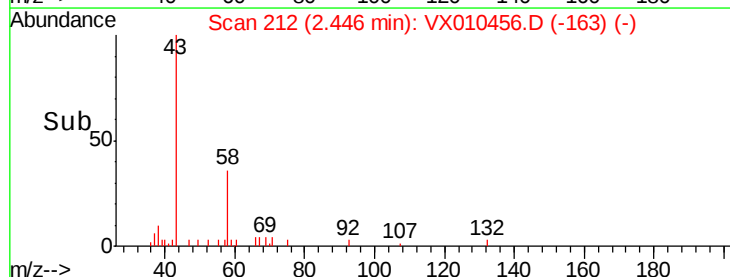
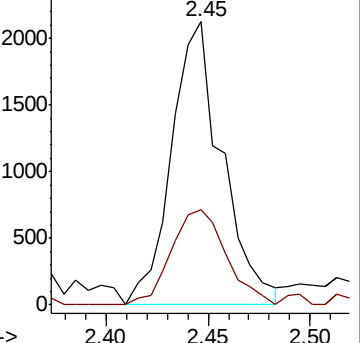
43 100

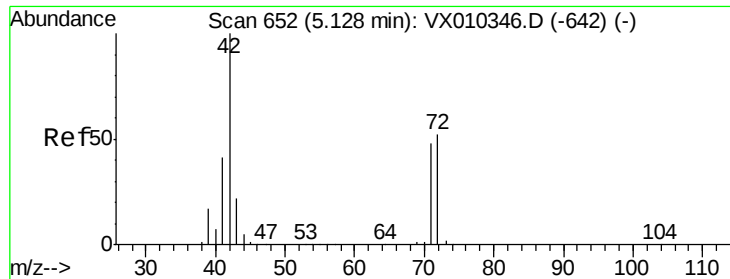
58 33.6 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#29

Tetrahydrofuran

Concen: 0.353 ug/l

RT: 5.15 min Scan# 655

Delta R.T. 0.02 min

Lab File: VX010456.D

Acq: 26 Jun 2019 12:39

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW02D-M24W1-062019

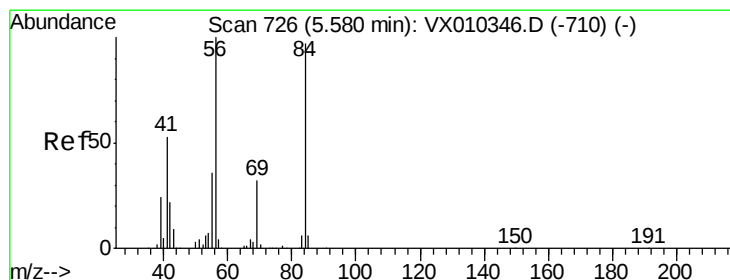
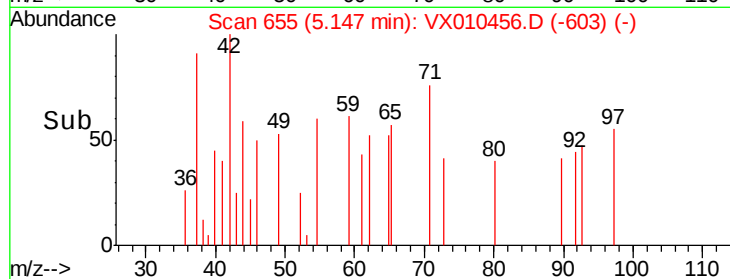
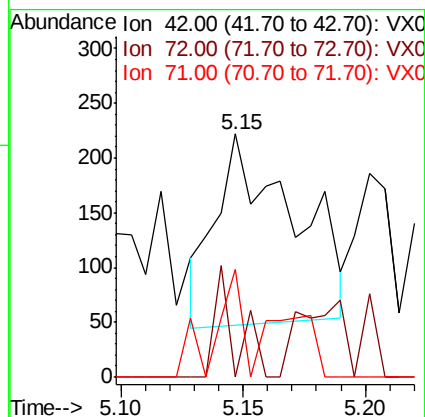
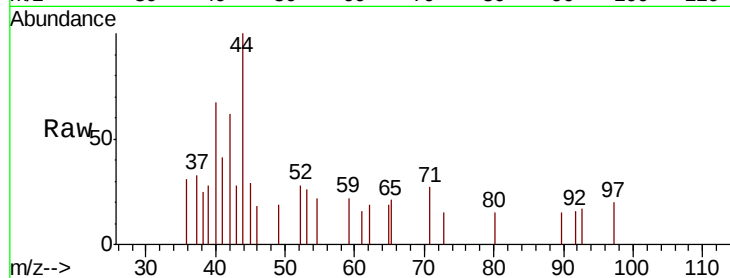
Tot Ion: 42 Resp: 385

Ion Ratio Lower Upper

42 100

72 15.6 40.6 60.8#

71 19.5 37.8 56.8#



#31

Cyclohexane

Concen: 1.375 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX010456.D

Acq: 26 Jun 2019 12:39

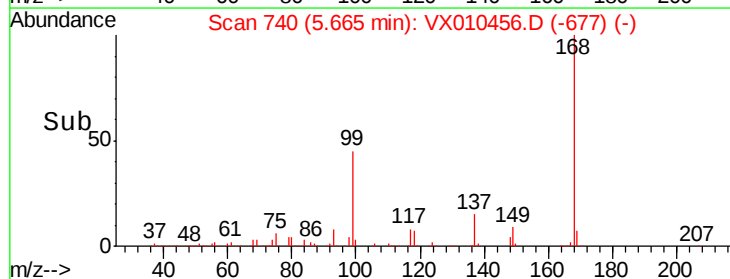
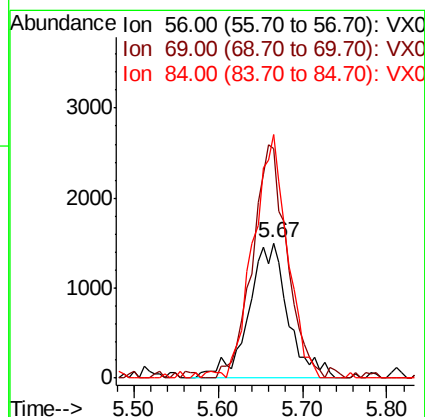
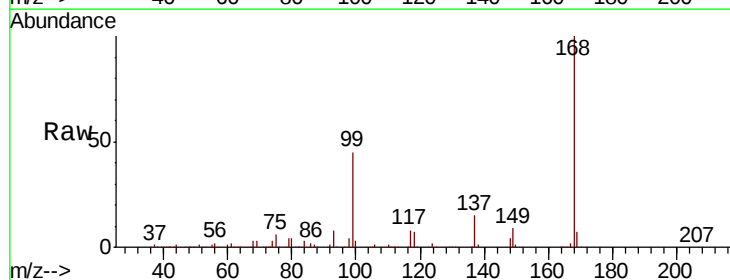
Tgt Ion: 56 Resp: 4757

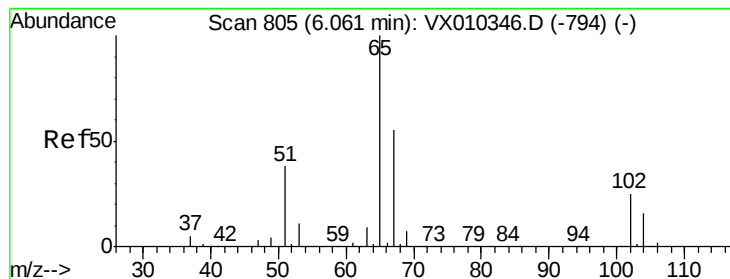
Ion Ratio Lower Upper

56 100

69 166.6 25.9 38.9#

84 180.0 78.0 117.0#





#33

1,2-Dichloroethane-d4

Concen: 50.175 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010456.D

Acq: 26 Jun 2019 12:39

Instrument :

MSVOA_X

ClientSampleId :

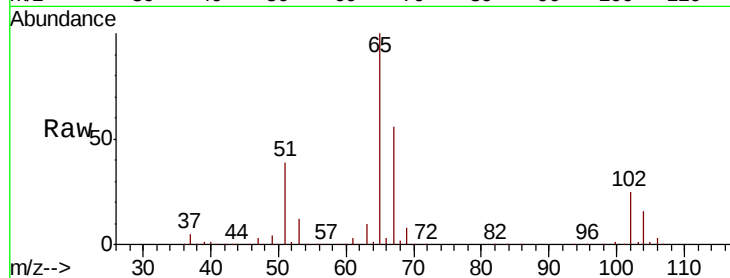
CPA-CPMW02D-M24W1-062019

Tot Ion: 65 Resp: 120187

Ion Ratio Lower Upper

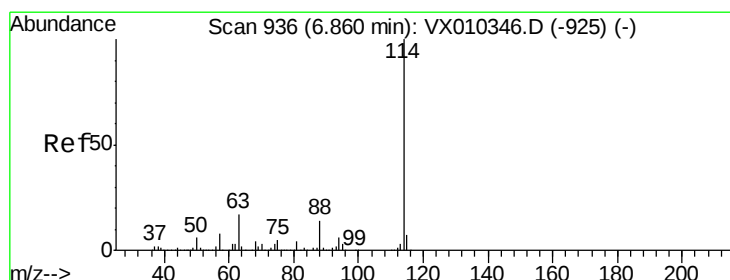
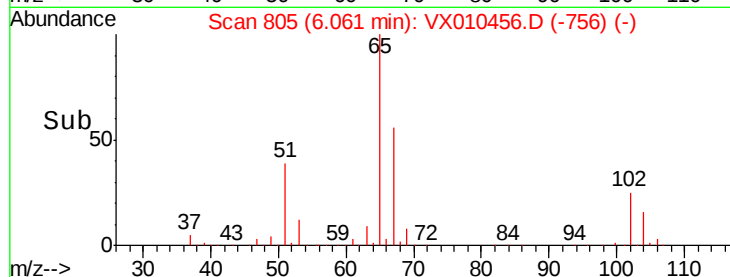
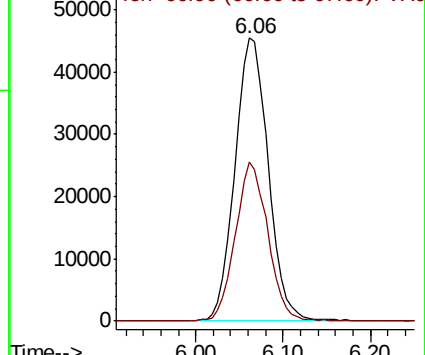
65 100

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: VX010456.D

Acq: 26 Jun 2019 12:39

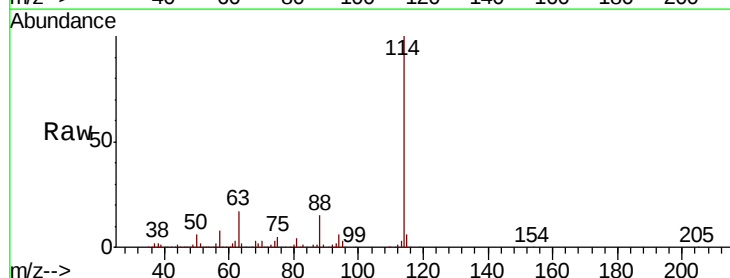
Tgt Ion: 114 Resp: 388881

Ion Ratio Lower Upper

114 100

63 17.1 0.0 33.8

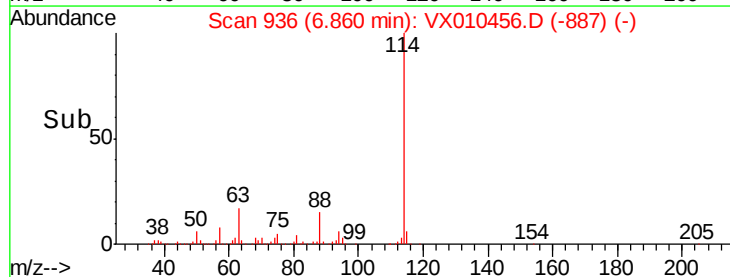
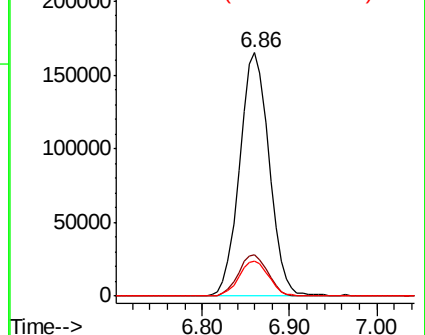
88 14.6 0.0 27.6

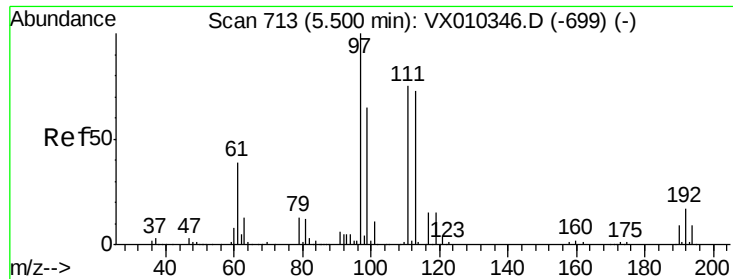


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

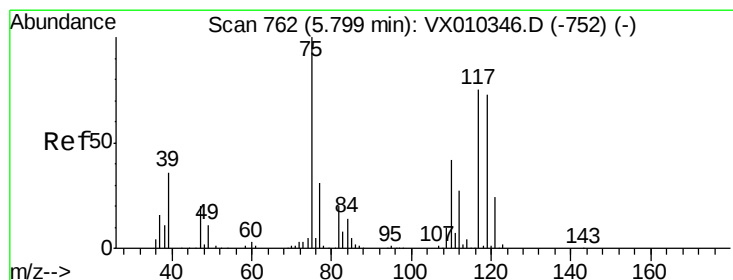
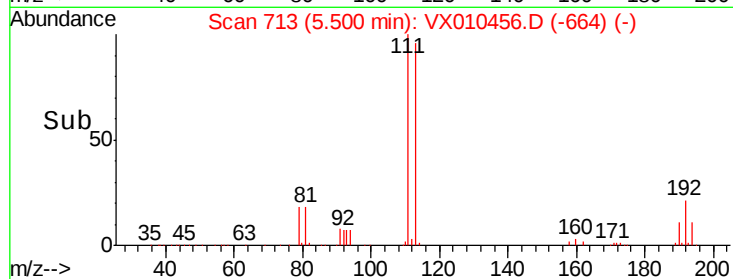
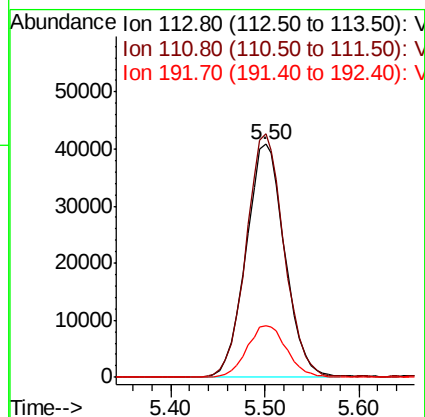
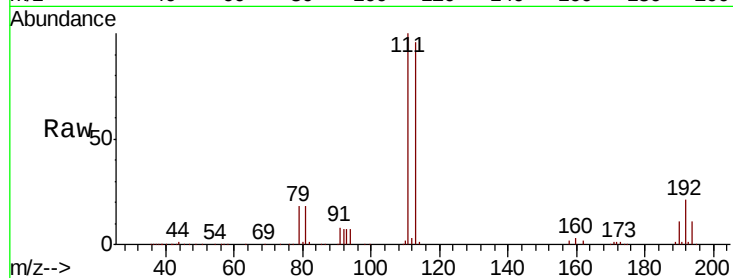




#35
 Dibromofluoromethane
 Concen: 49.419 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010456.D
 Acq: 26 Jun 2019 12:39

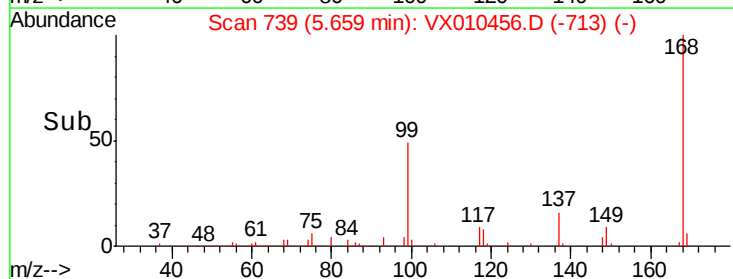
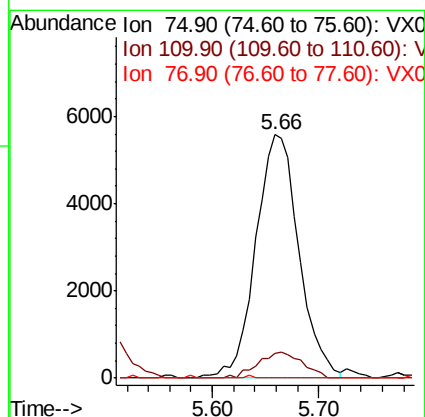
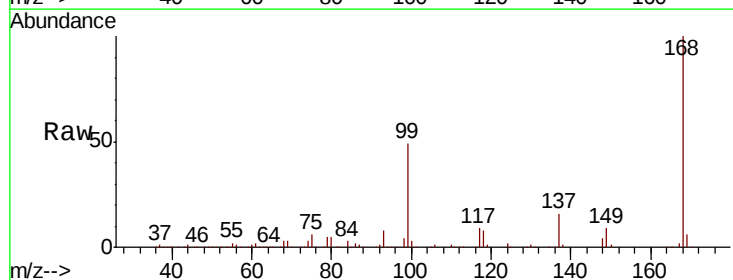
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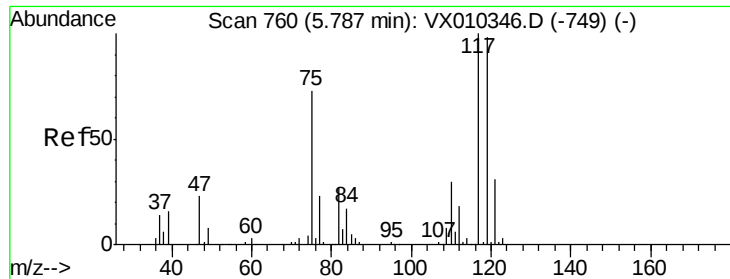
Tot Ion:113 Resp: 117584
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.2 121.8
 192 22.8 18.6 27.8



#36
 1,1-Dichloropropene
 Concen: 5.104 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010456.D
 Acq: 26 Jun 2019 12:39

Tgt Ion: 75 Resp: 15774
 Ion Ratio Lower Upper
 75 100
 110 11.0 20.8 62.2#
 77 0.0 25.4 38.0#





#38

Carbon Tetrachloride

Concen: 6.778 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010456.D

Acq: 26 Jun 2019 12:39

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW02D-M24W1-062019

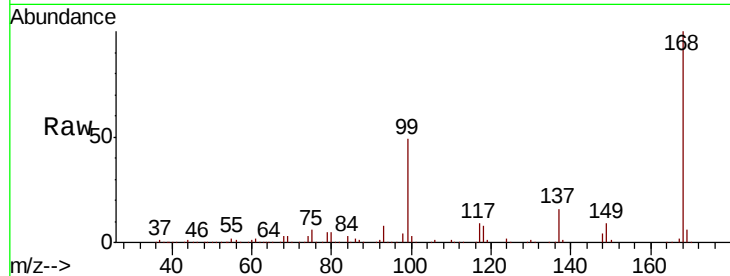
Tot Ion:117 Resp: 22681

Ion Ratio Lower Upper

117 100

119 5.7 78.2 117.4#

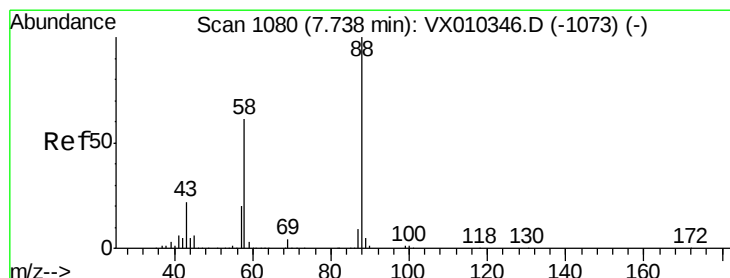
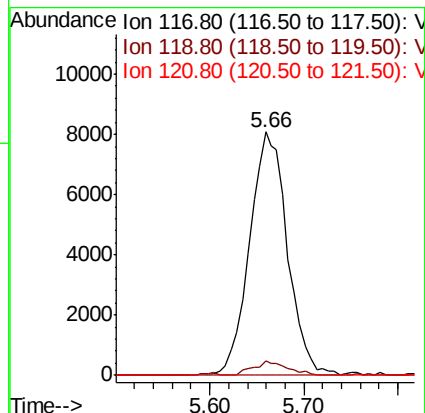
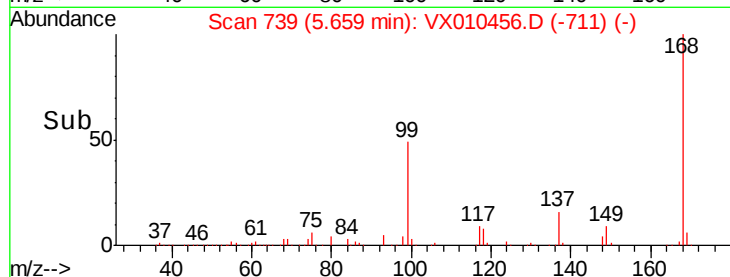
121 0.0 24.7 37.1#



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



#49

1,4-Dioxane

Concen: 0.284 ug/l

RT: 7.69 min Scan# 1072

Delta R.T. -0.05 min

Lab File: VX010456.D

Acq: 26 Jun 2019 12:39

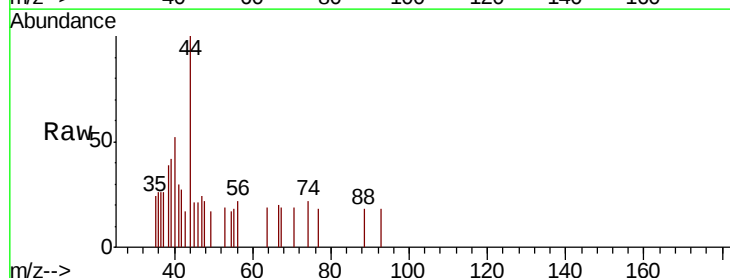
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 295.0 20.2 30.2#

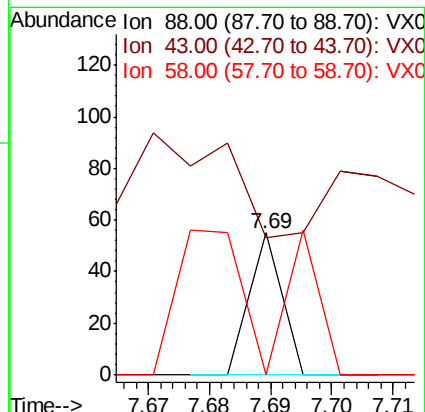
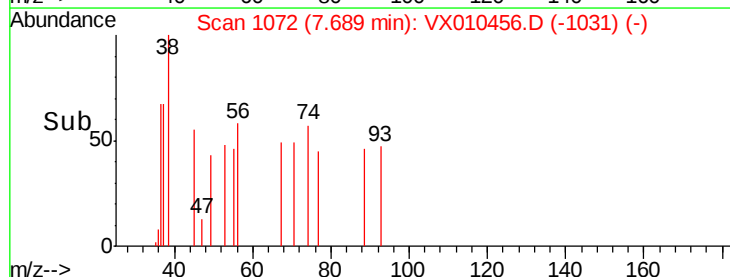
58 0.0 49.5 74.3#

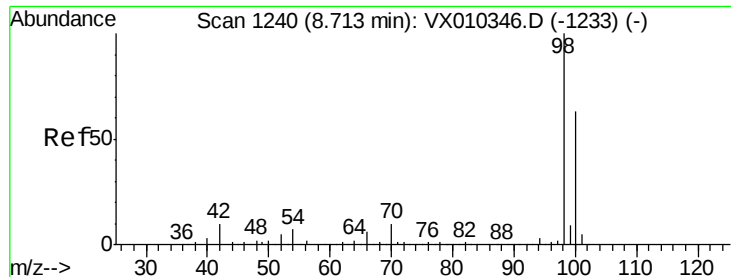


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

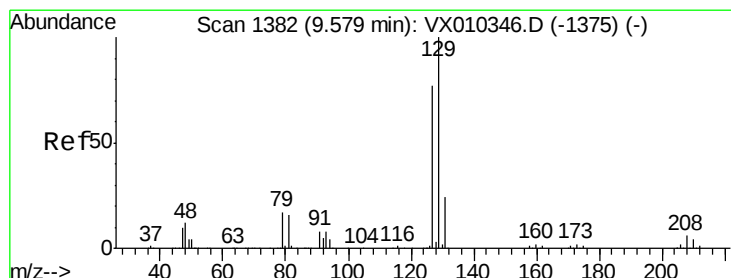
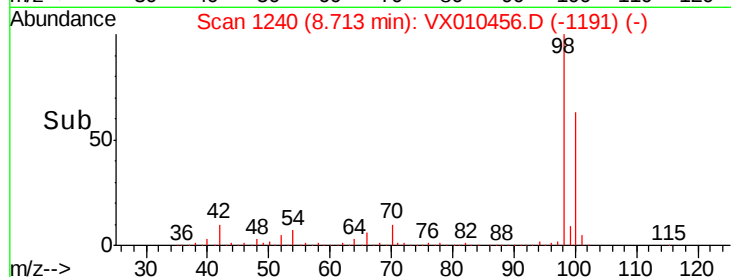
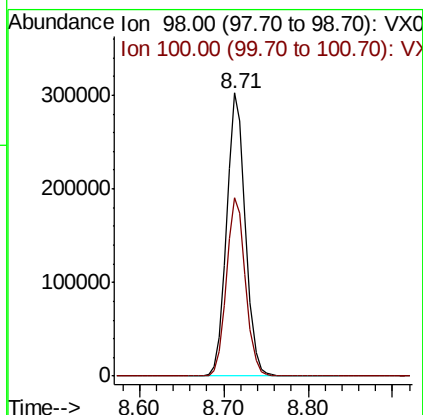
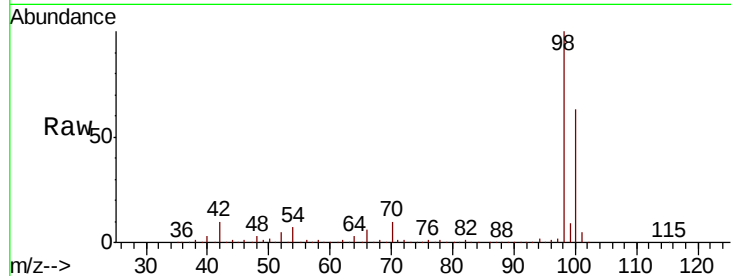




#50
Toluene-d8
Concen: 50.731 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010456.D
Acq: 26 Jun 2019 12:39

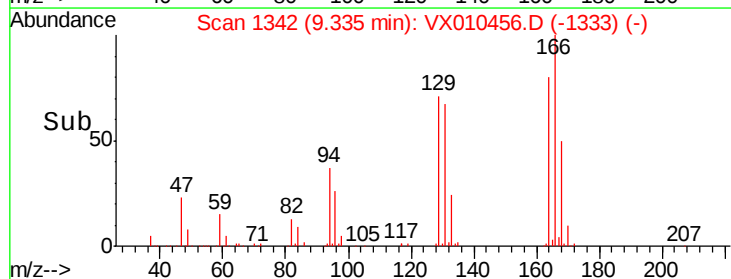
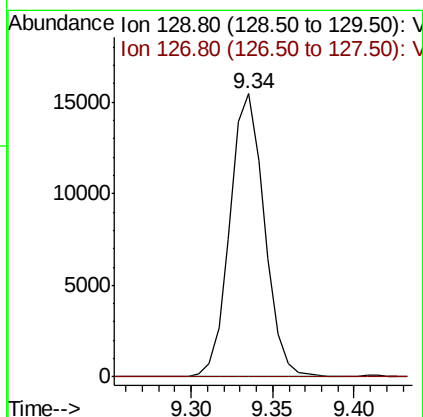
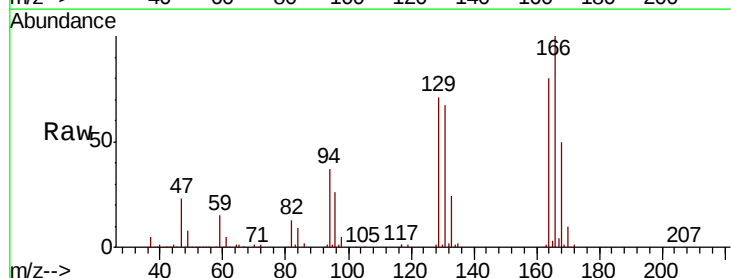
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW02D-M24W1-062019

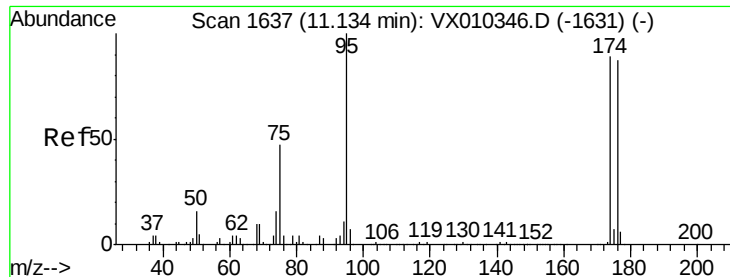
Tot Ion: 98 Resp: 461795
Ion Ratio Lower Upper
98 100
100 63.7 51.6 77.4



#60
Dibromochloromethane
Concen: 7.784 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX010456.D
Acq: 26 Jun 2019 12:39

Tgt Ion: 129 Resp: 22788
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.1#





#62

4-Bromofluorobenzene

Concen: 46.631 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010456.D

Acq: 26 Jun 2019 12:39

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW02D-M24W1-062019

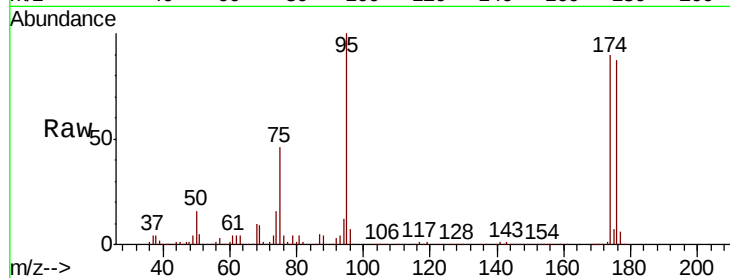
Tot Ion: 95 Resp: 153245

Ion Ratio Lower Upper

95 100

174 95.3 0.0 187.6

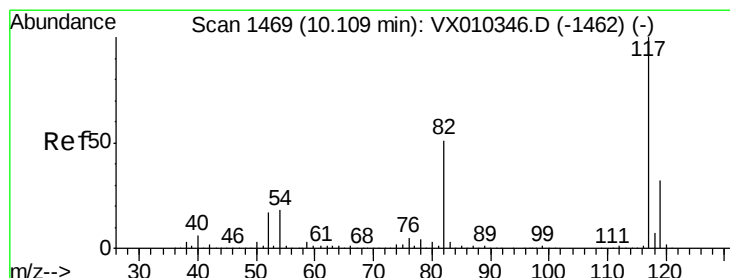
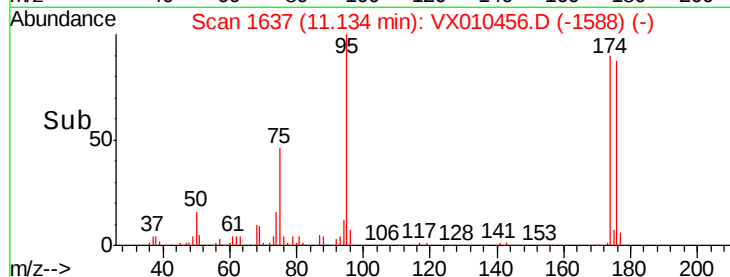
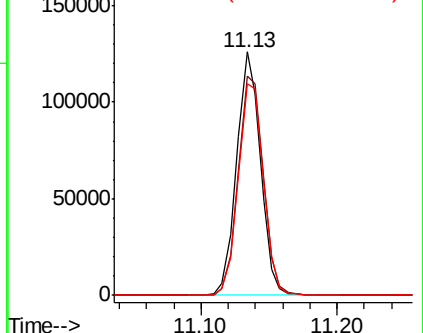
176 92.5 0.0 184.0



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: VX010456.D

Acq: 26 Jun 2019 12:39

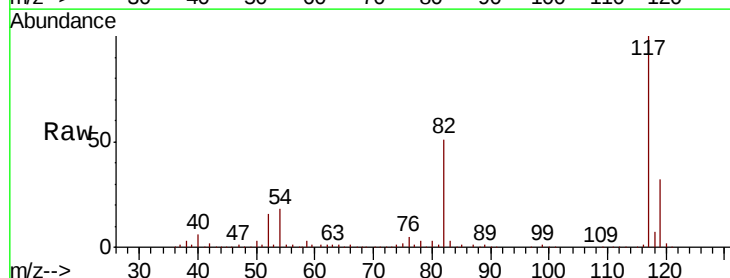
Tgt Ion: 117 Resp: 351981

Ion Ratio Lower Upper

117 100

82 51.4 41.2 61.8

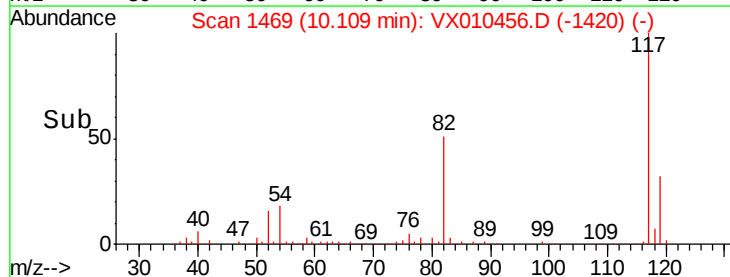
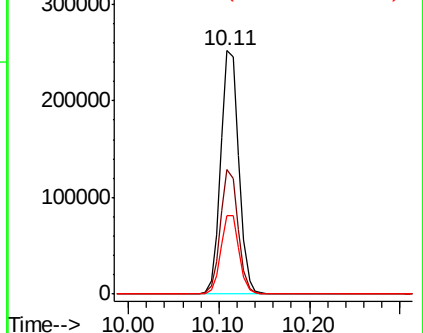
119 32.0 25.5 38.3

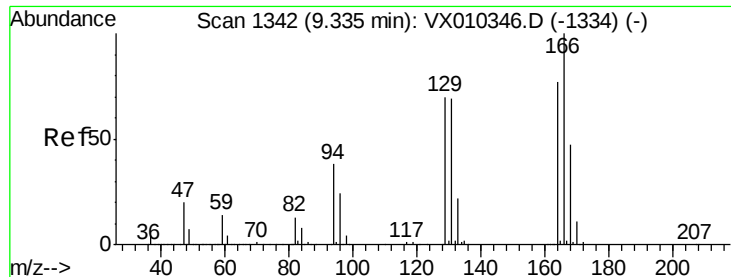


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

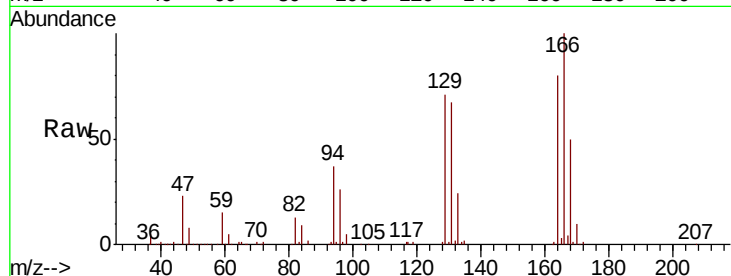




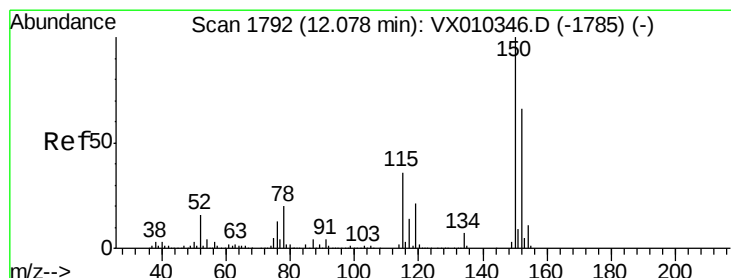
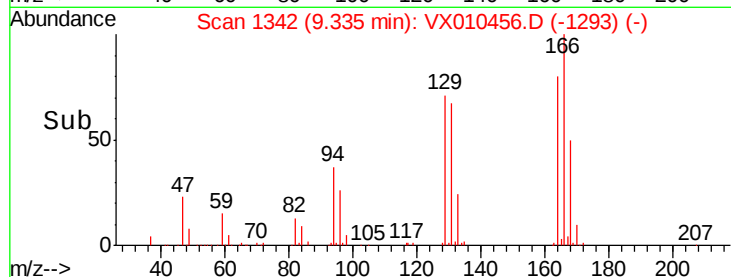
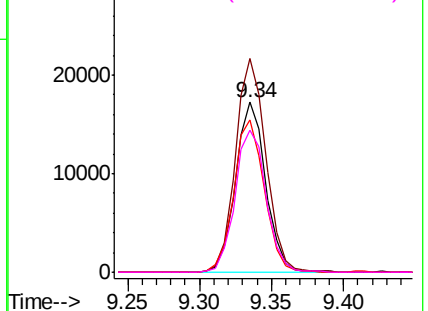
#64
Tetrachloroethene
Concen: 8.779 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010456.D
Acq: 26 Jun 2019 12:39

Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW02D-M24W1-062019

Tot Ion:164 Resp: 24994
Ion Ratio Lower Upper
164 100
166 125.7 103.6 155.4
129 89.7 73.0 109.4
131 83.6 71.0 106.4

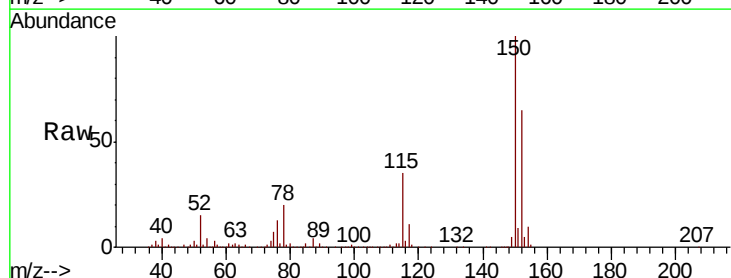


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

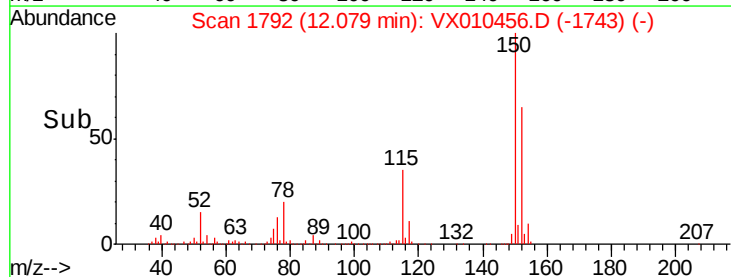
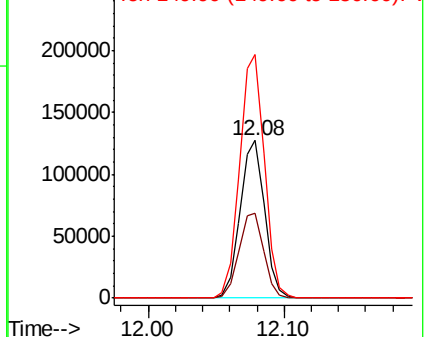


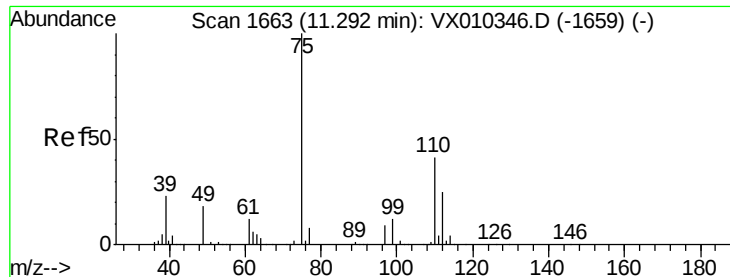
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010456.D
Acq: 26 Jun 2019 12:39

Tgt Ion:152 Resp: 158844
Ion Ratio Lower Upper
152 100
115 54.7 38.6 115.7
150 156.9 0.0 347.4



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

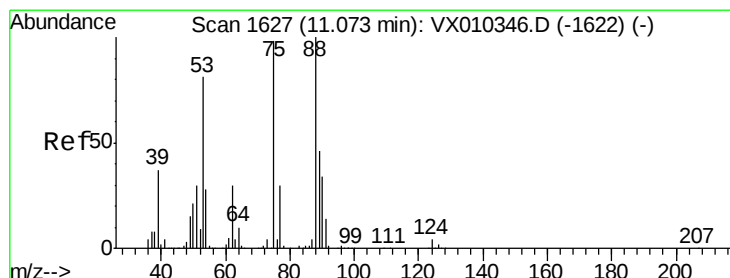
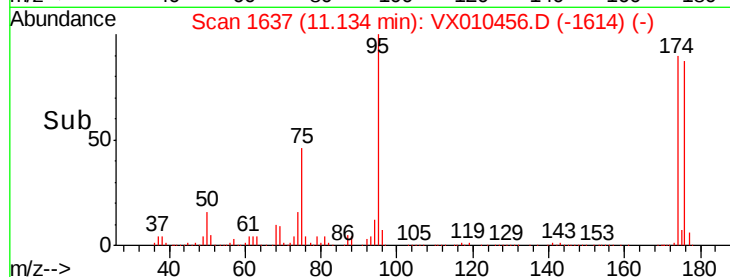
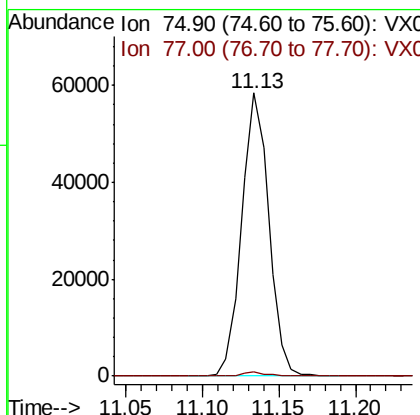
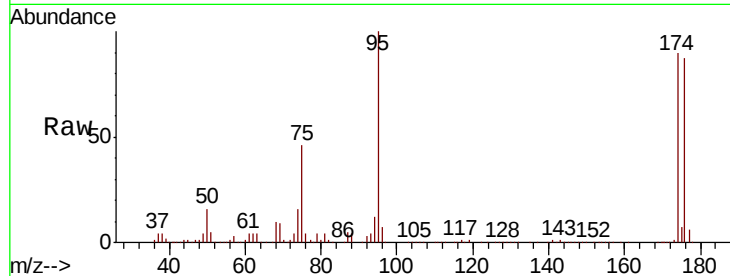




#76
 1,2,3-Trichloropropane
 Concen: 24.833 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010456.D
 Acq: 26 Jun 2019 12:39

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW02D-M24W1-062019

Tot Ion: 75 Resp: 71880
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.6 67.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.932 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010456.D
 Acq: 26 Jun 2019 12:39

Tgt Ion: 75 Resp: 71880
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.1 99.1#
 89 0.0 37.8 56.6#

