

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX062619\
 Data File : VX010469.D
 Acq On : 26 Jun 2019 17:43
 Operator : JC/SP
 Sample : K3527-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW11D-M24W1-062219-D

Quant Time: Jun 27 01:14:21 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	5.66	168	255720	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	395848	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	362536	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	164746	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	122927	51.27	ug/l	0.00
Spiked Amount			Recovery	=	102.54%	
35) Dibromofluoromethane	5.50	113	123336	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
50) Toluene-d8	8.71	98	463262	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	
62) 4-Bromofluorobenzene	11.13	95	155523	46.49	ug/l	0.00
Spiked Amount			Recovery	=	92.98%	

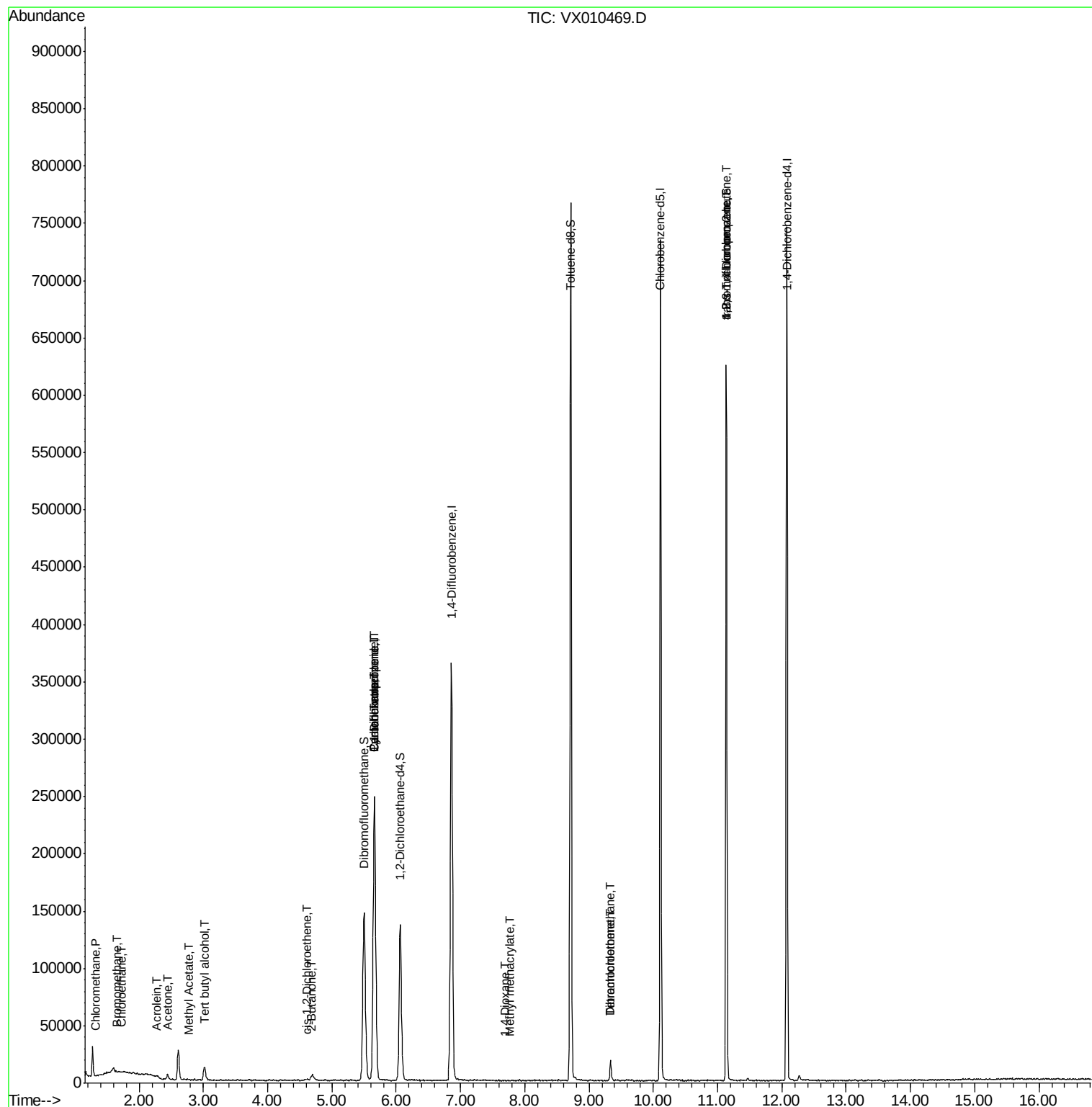
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	471	0.228	ug/l #	47
5) Bromomethane	1.65	94	313	0.283	ug/l #	73
6) Chloroethane	1.73	64	1277	0.955	ug/l #	41
11) Tert butyl alcohol	3.01	59	6954	11.084	ug/l #	77
13) Acrolein	2.28	56	96	0.231	ug/l #	1
16) Acetone	2.44	43	5371	4.470	ug/l	96
18) Methyl Acetate	2.78	43	627	0.262	ug/l	97
25) 2-Butanone	4.68	43	408	0.231	ug/l	91
27) cis-1,2-Dichloroethene	4.60	96	829	0.301	ug/l	84
31) Cyclohexane	5.67	56	4523	1.306	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16214	5.154	ug/l #	46
38) Carbon Tetrachloride	5.66	117	23120	6.787	ug/l #	14
48) Methyl methacrylate	7.76	41	605	0.243	ug/l #	27
49) 1,4-Dioxane	7.70	88	27	0.377	ug/l #	1
60) Dibromochloromethane	9.34	129	3277	1.100	ug/l #	11
64) Tetrachloroethene	9.34	164	3546	1.209	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	73341	24.430	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	73341	56.992	ug/l #	16

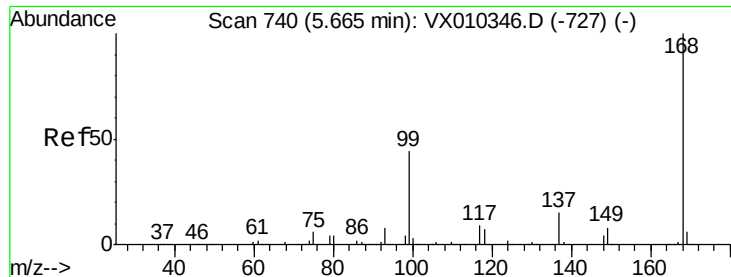
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010469.D

Acq: 26 Jun 2019 17:43

Instrument :

MSVOA_X

ClientSampleId :

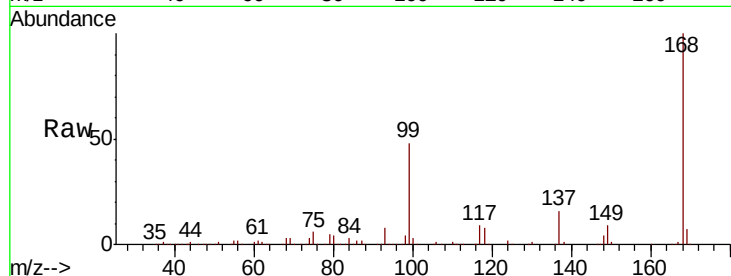
CPA-CPMW11D-M24W1-062219-D

Tot Ion:168 Resp: 255720

Ion Ratio Lower Upper

168 100

99 47.7 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

60000

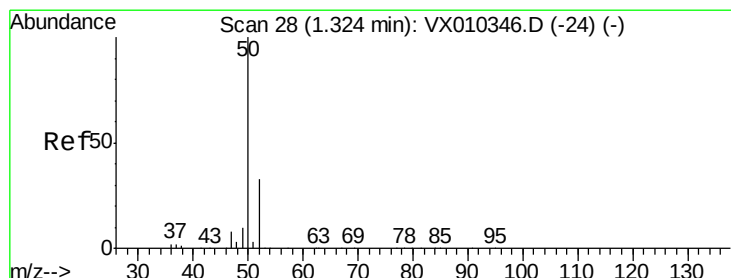
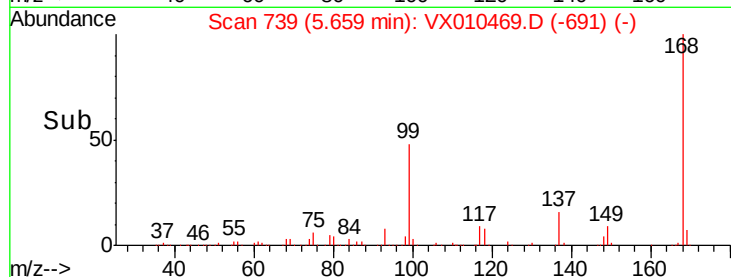
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.228 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010469.D

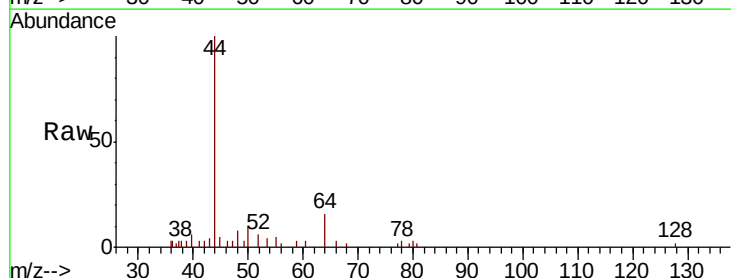
Acq: 26 Jun 2019 17:43

Tgt Ion: 50 Resp: 471

Ion Ratio Lower Upper

50 100

52 62.9 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

300

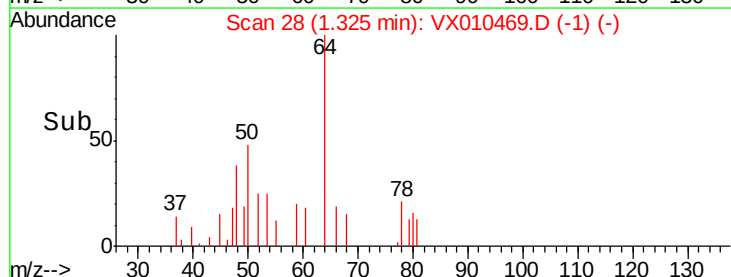
200

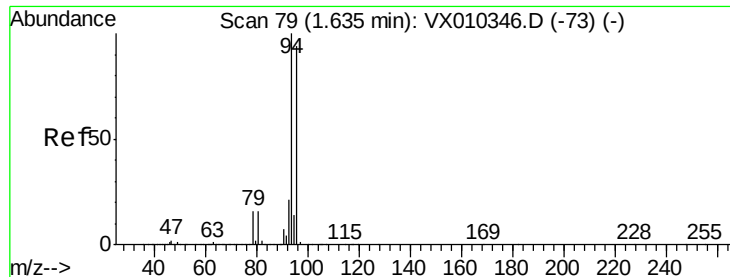
100

0

Time-->

1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.283 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010469.D

Acq: 26 Jun 2019 17:43

Instrument :

MSVOA_X

ClientSampleId :

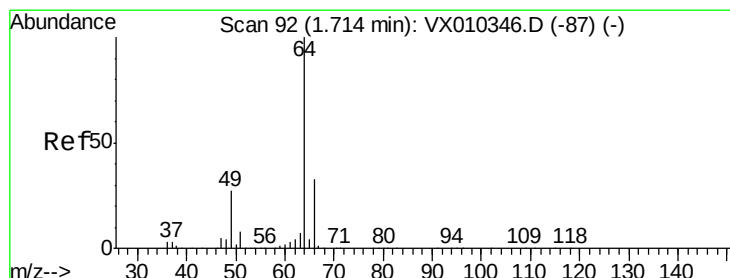
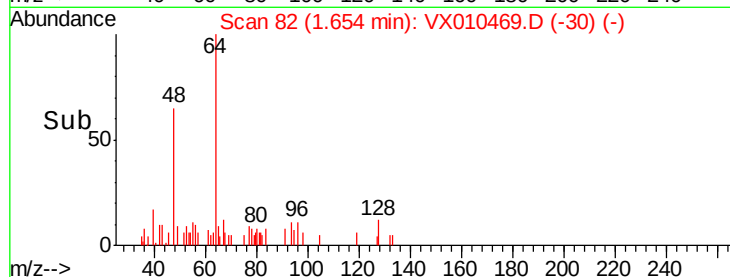
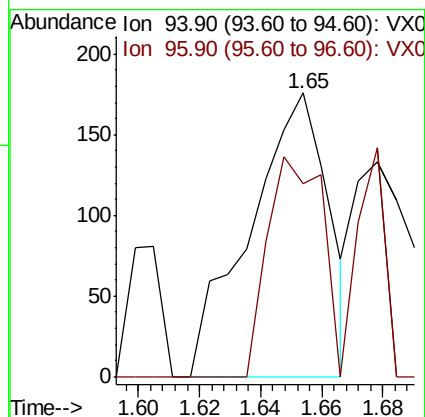
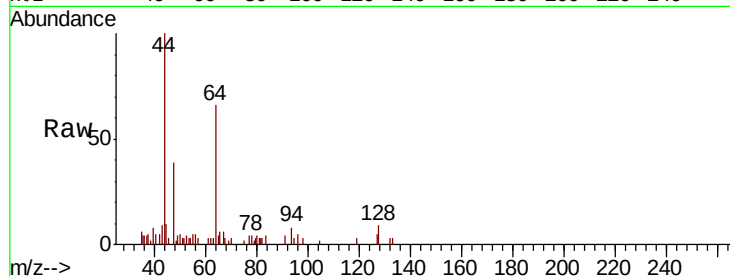
CPA-CPMW11D-M24W1-062219-D

Tot Ion: 94 Resp: 313

Ion Ratio Lower Upper

94 100

96 68.2 75.5 113.3#



#6

Chloroethane

Concen: 0.955 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX010469.D

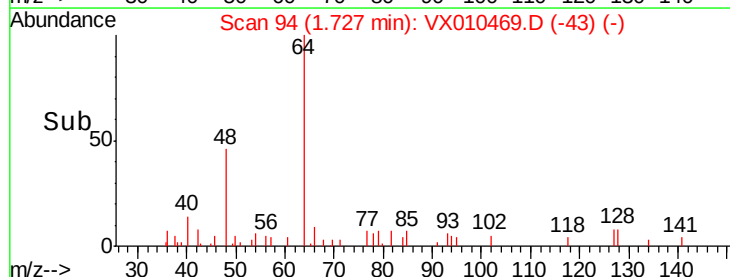
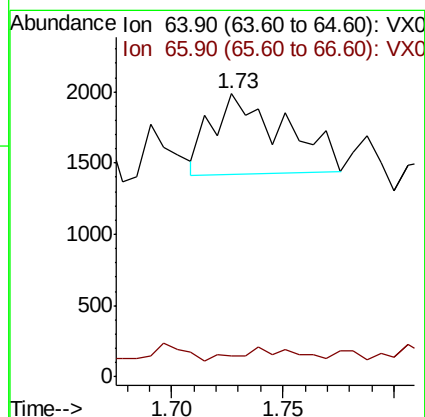
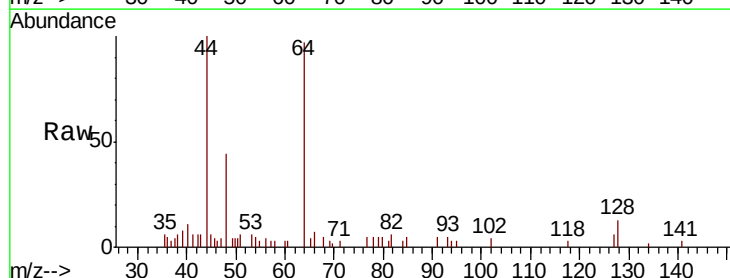
Acq: 26 Jun 2019 17:43

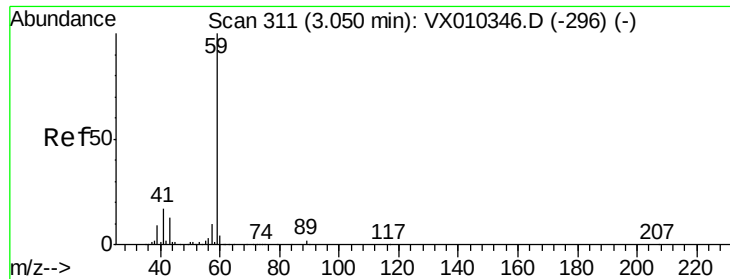
Tgt Ion: 64 Resp: 1277

Ion Ratio Lower Upper

64 100

66 0.0 26.6 40.0#



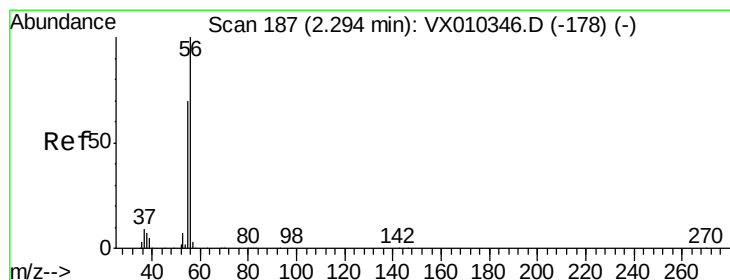
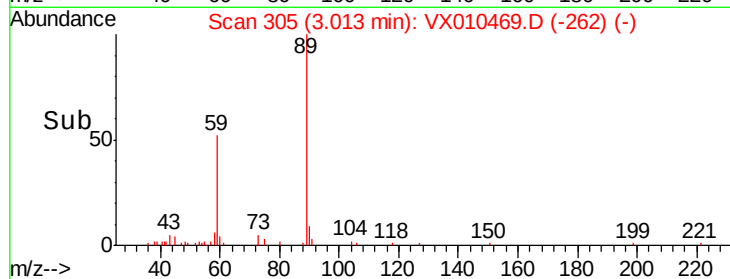
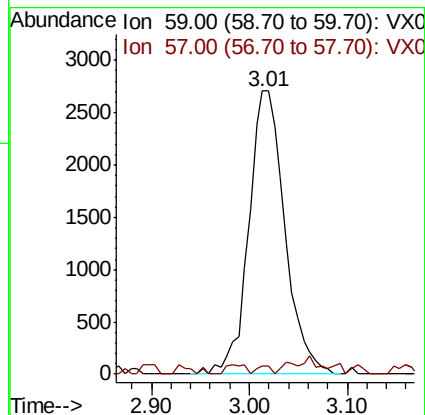
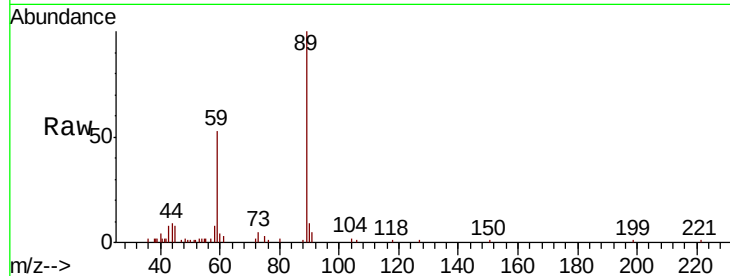


#11

Tert butyl alcohol
 Concen: 11.084 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.04 min
 Lab File: VX010469.D
 Acq: 26 Jun 2019 17:43

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW11D-M24W1-062219-D

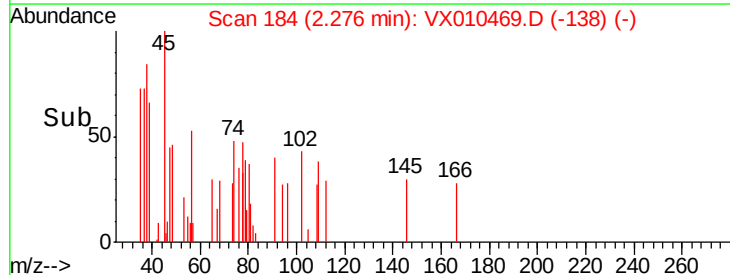
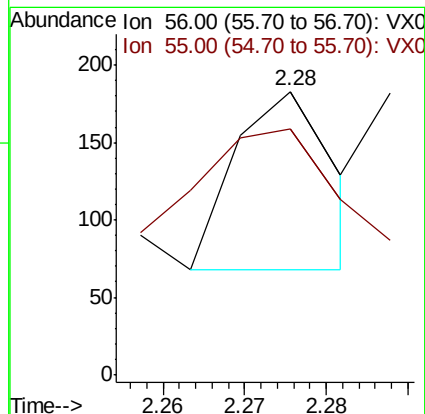
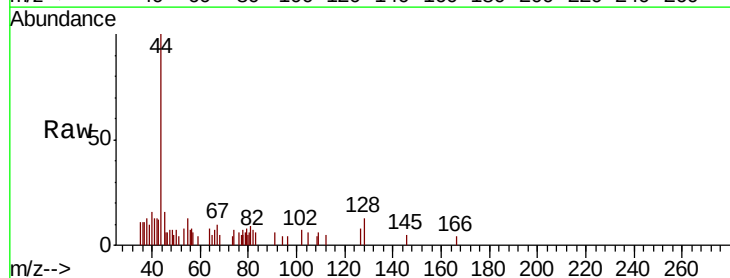
Tot Ion: 59 Resp: 6954
 Ion Ratio Lower Upper
 59 100
 57 1.1 7.7 11.5#

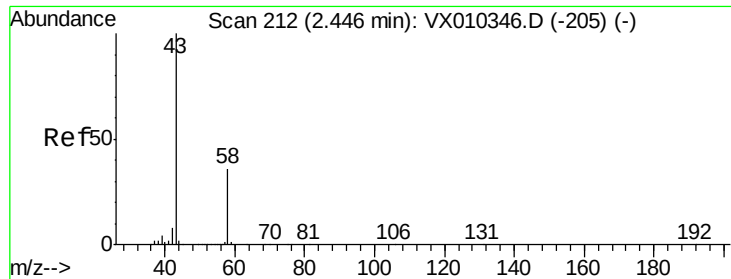


#13

Acrolein
 Concen: 0.231 ug/l
 RT: 2.28 min Scan# 184
 Delta R.T. -0.02 min
 Lab File: VX010469.D
 Acq: 26 Jun 2019 17:43

Tgt Ion: 56 Resp: 96
 Ion Ratio Lower Upper
 56 100
 55 202.1 56.9 85.3#





#16

Acetone

Concen: 4.470 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010469.D

Acq: 26 Jun 2019 17:43

Instrument :

MSVOA_X

ClientSampleId :

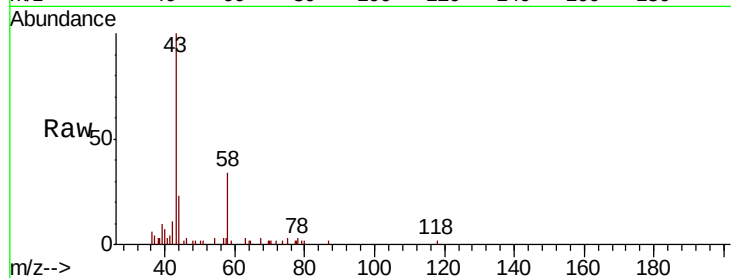
CPA-CPMW11D-M24W1-062219-D

Tot Ion: 43 Resp: 5371

Ion Ratio Lower Upper

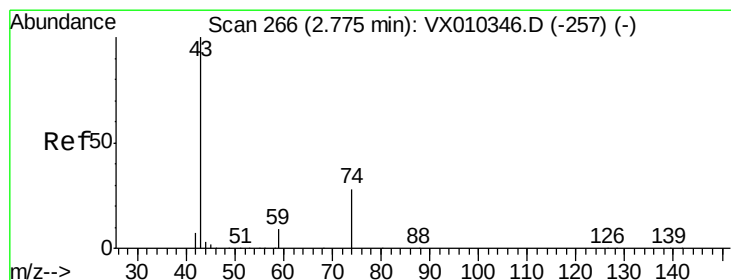
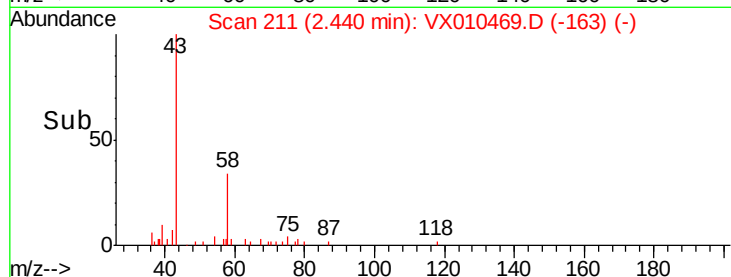
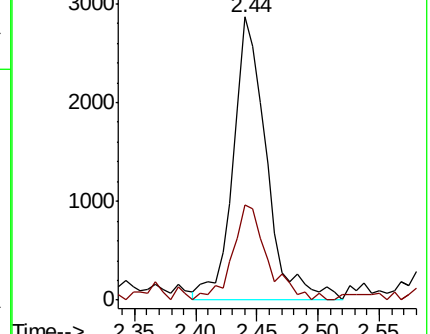
43 100

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



#18

Methyl Acetate

Concen: 0.262 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX010469.D

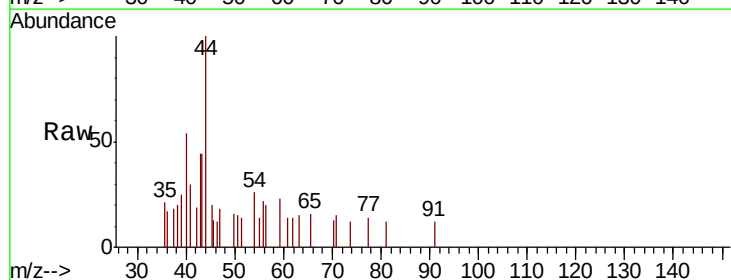
Acq: 26 Jun 2019 17:43

Tgt Ion: 43 Resp: 627

Ion Ratio Lower Upper

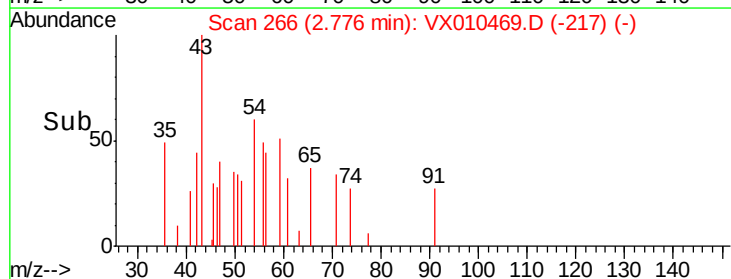
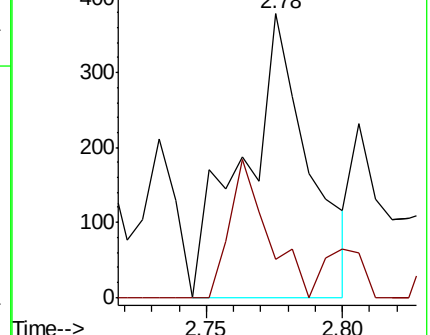
43 100

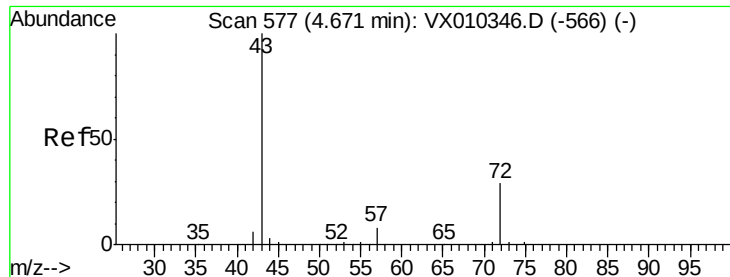
74 28.4 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#25

2-Butanone

Concen: 0.231 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX010469.D

Acq: 26 Jun 2019 17:43

Instrument :

MSVOA_X

ClientSampleId :

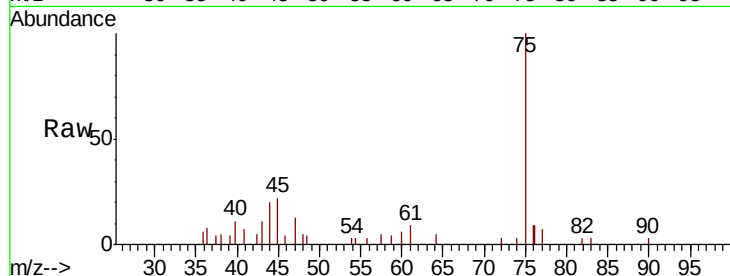
CPA-CPMW11D-M24W1-062219-D

Tot Ion: 43 Resp: 408

Ion Ratio Lower Upper

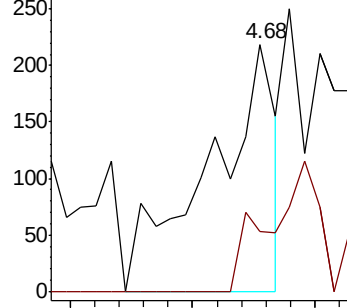
43 100

72 24.2 23.3 34.9

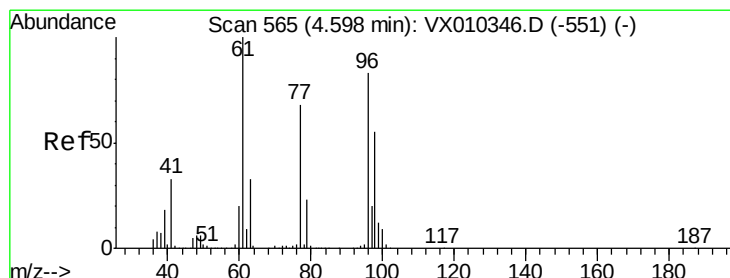
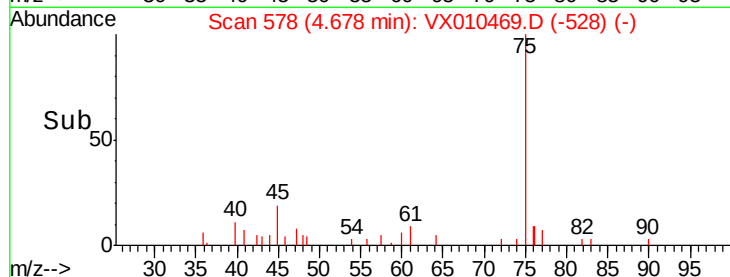


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#27

cis-1,2-Dichloroethene

Concen: 0.301 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX010469.D

Acq: 26 Jun 2019 17:43

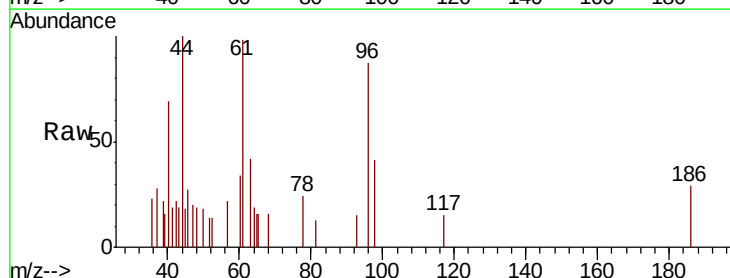
Tgt Ion: 96 Resp: 829

Ion Ratio Lower Upper

96 100

61 150.4 0.0 251.8

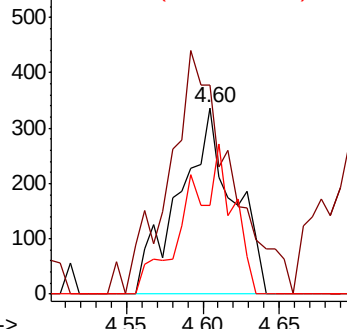
98 68.8 0.0 129.4



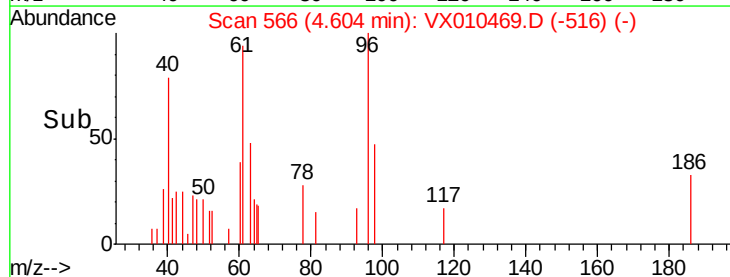
Abundance Ion 95.90 (95.60 to 96.60): VX0

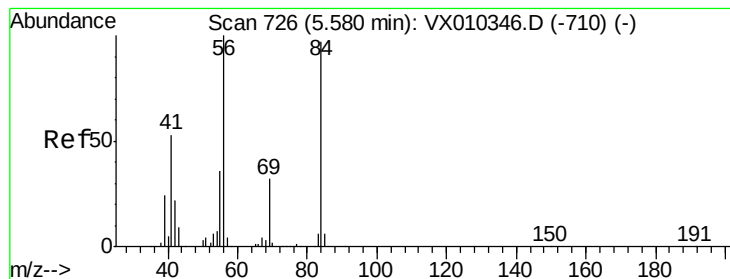
Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



Time-->





#31

Cyclohexane

Concen: 1.306 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX010469.D

Acq: 26 Jun 2019 17:43

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CPA-CPMW11D-M24W1-062219-D

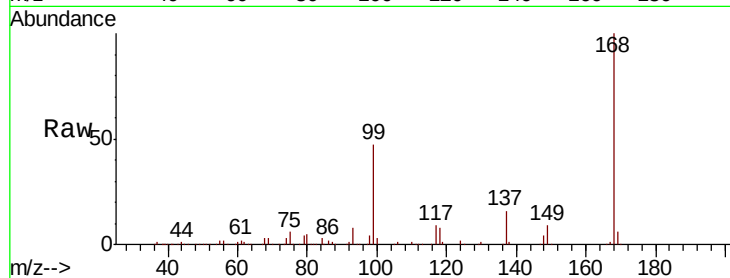
Tot Ion: 56 Resp: 4523

Ion Ratio Lower Upper

56 100

69 155.1 25.9 38.9#

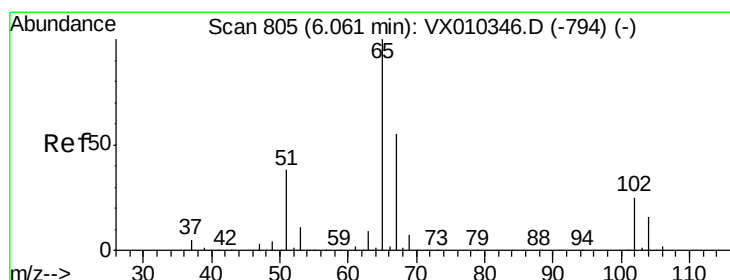
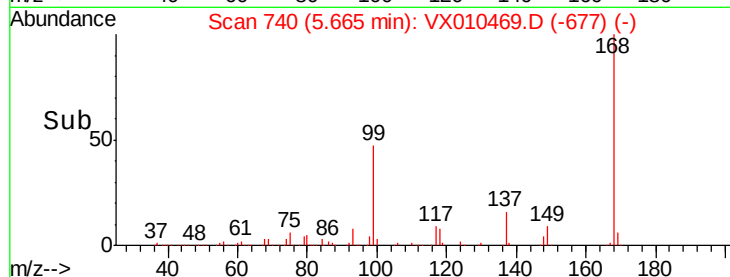
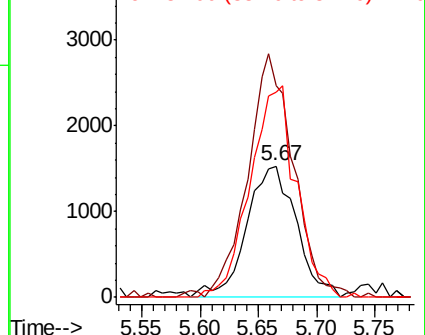
84 156.2 78.0 117.0#



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: 51.270 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010469.D

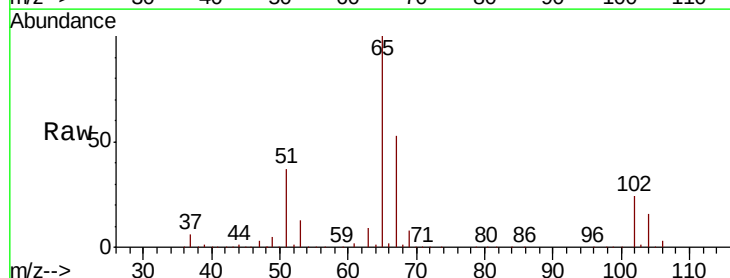
Acq: 26 Jun 2019 17:43

Tgt Ion: 65 Resp: 122927

Ion Ratio Lower Upper

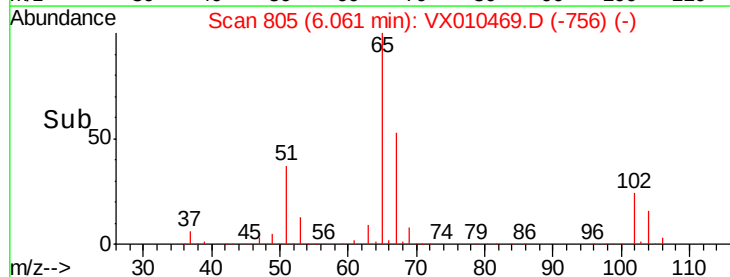
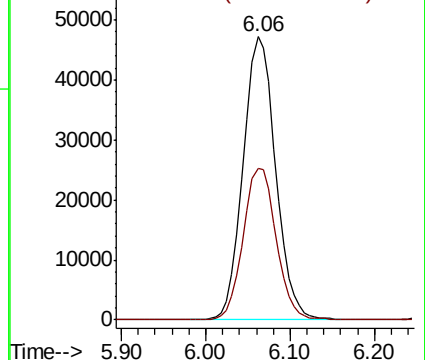
65 100

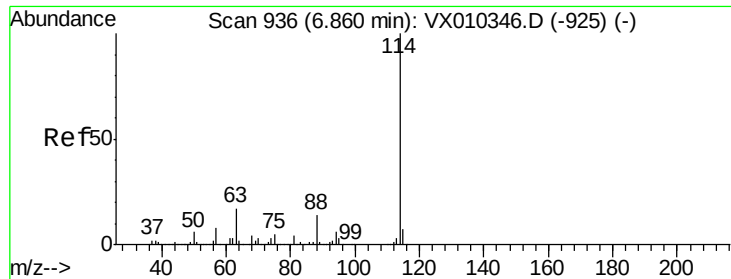
67 54.5 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

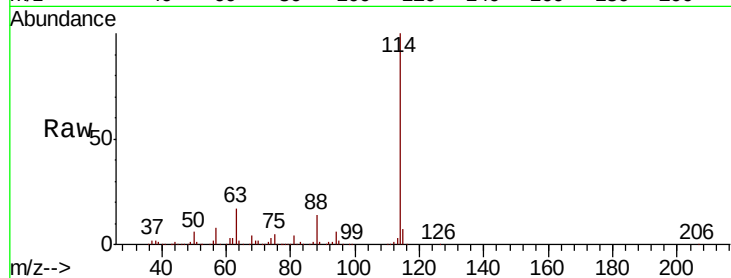




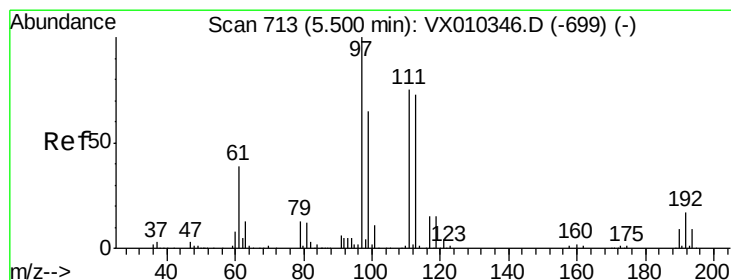
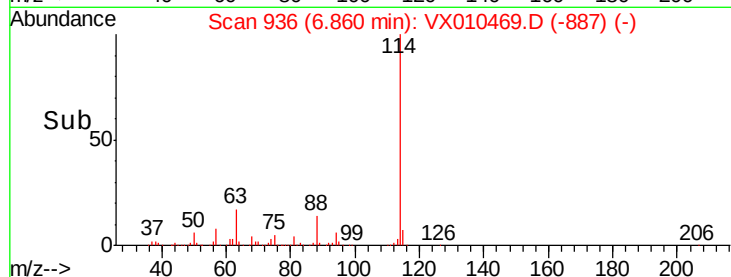
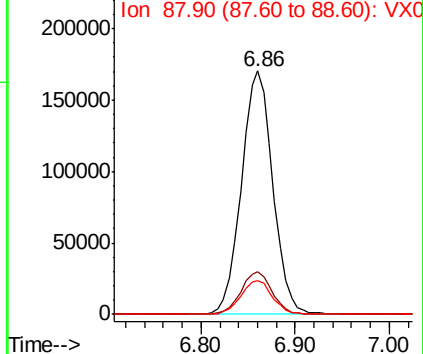
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010469.D
 Acq: 26 Jun 2019 17:43

Instrument :
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Tot Ion:114 Resp: 395848
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 33.8
 88 13.9 0.0 27.6

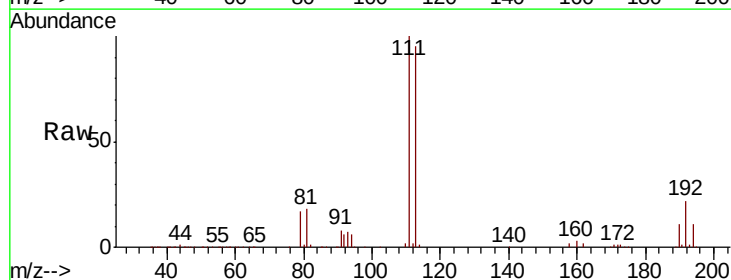


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

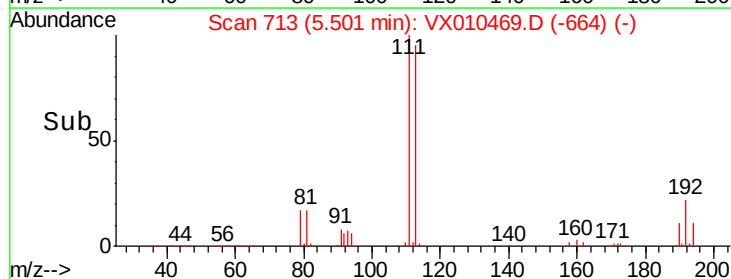
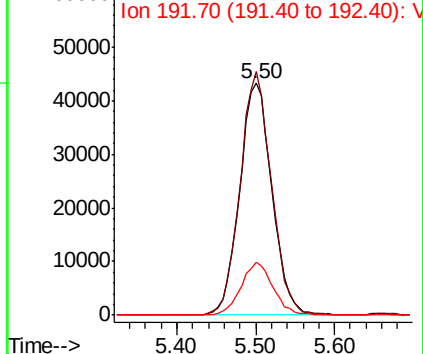


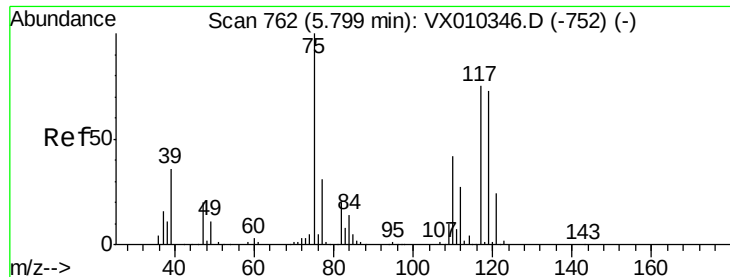
#35
 Dibromofluoromethane
 Concen: 50.924 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010469.D
 Acq: 26 Jun 2019 17:43

Tgt Ion:113 Resp: 123336
 Ion Ratio Lower Upper
 113 100
 111 101.5 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

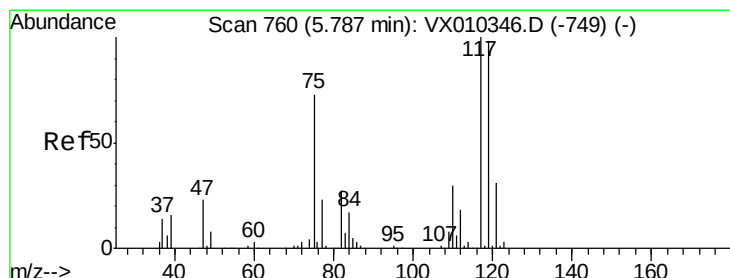
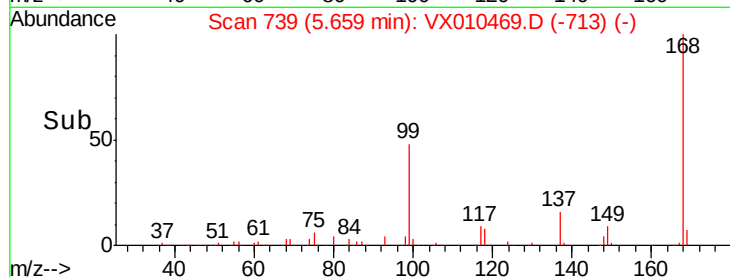
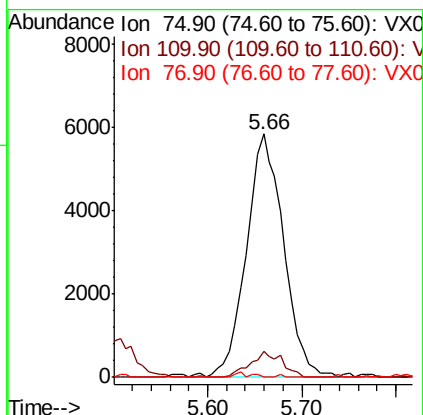
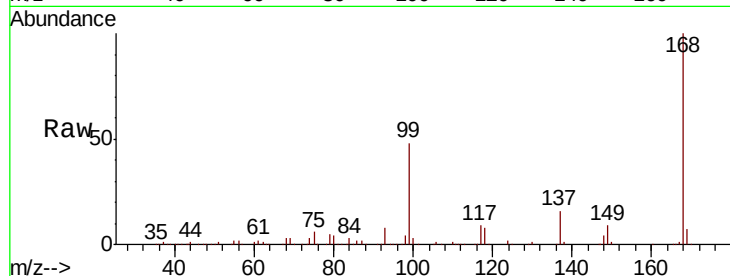




#36
 1,1-Dichloropropene
 Concen: 5.154 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010469.D
 Acq: 26 Jun 2019 17:43

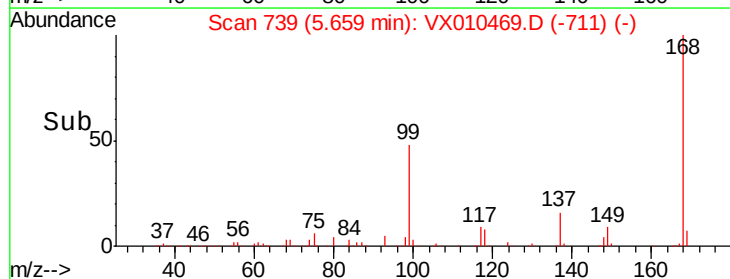
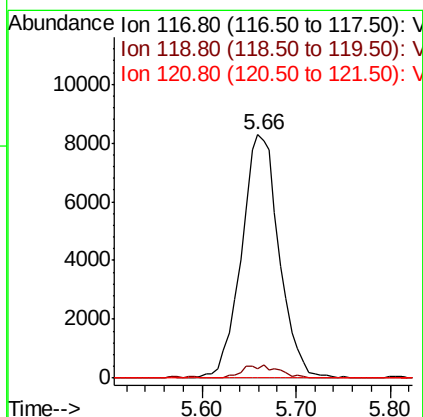
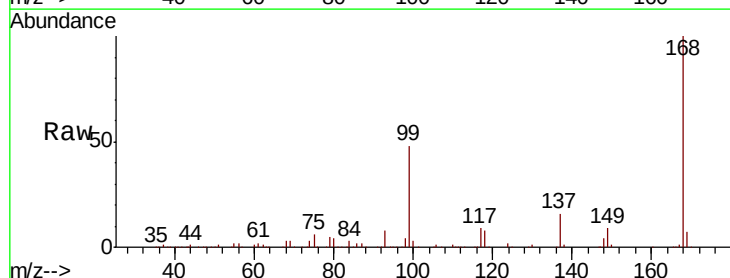
Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW11D-M24W1-062219-D

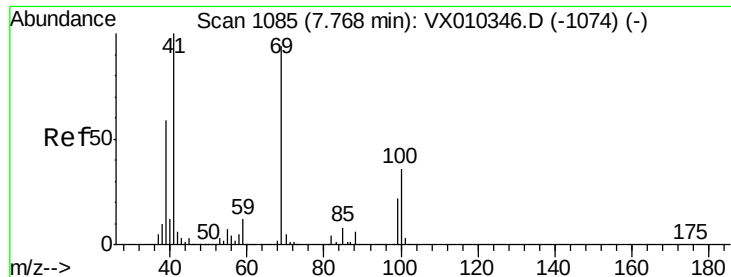
Tot Ion	75	Resp	16214
Ion Ratio	100	Lower	Upper
75	100		
110	9.0	20.8	62.2#
77	0.1	25.4	38.0#



#38
 Carbon Tetrachloride
 Concen: 6.787 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX010469.D
 Acq: 26 Jun 2019 17:43

Tgt Ion	117	Resp	23120
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	3.8	78.2	117.4#
121	0.0	24.7	37.1#





#48

Methvl methacrylate

Concen: 0.243 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VX010469.D

Acq: 26 Jun 2019 17:43

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW11D-M24W1-062219-D

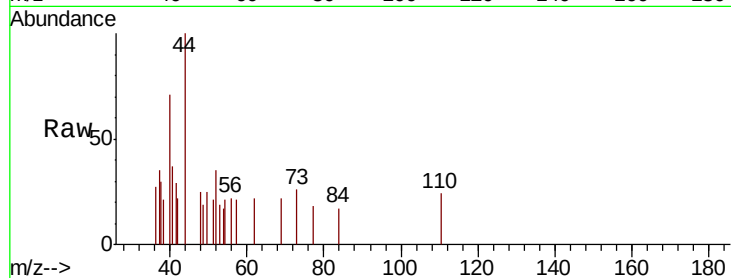
Tot Ion: 41 Resp: 605

Ion Ratio Lower Upper

41 100

69 12.2 76.1 114.1#

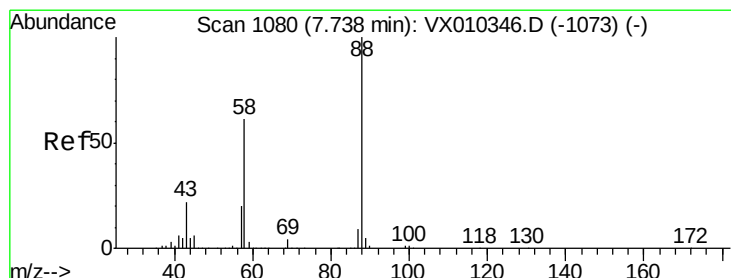
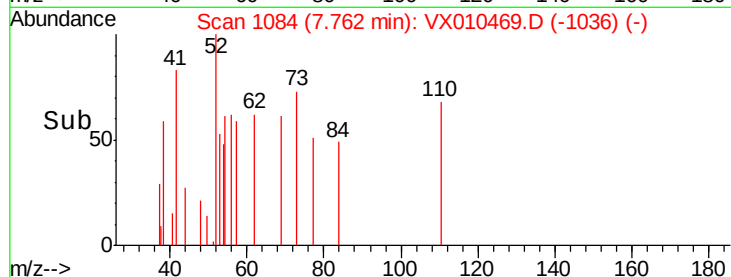
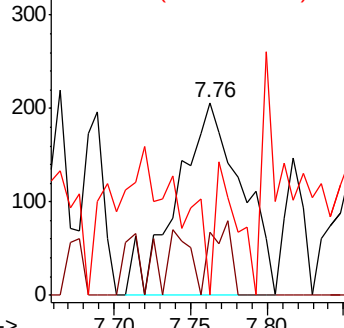
39 19.0 47.6 71.4#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#49

1,4-Dioxane

Concen: 0.377 ug/l

RT: 7.70 min Scan# 1073

Delta R.T. -0.04 min

Lab File: VX010469.D

Acq: 26 Jun 2019 17:43

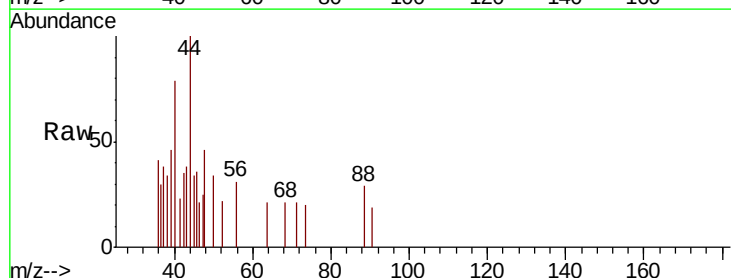
Tgt Ion: 88 Resp: 27

Ion Ratio Lower Upper

88 100

43 607.4 20.2 30.2#

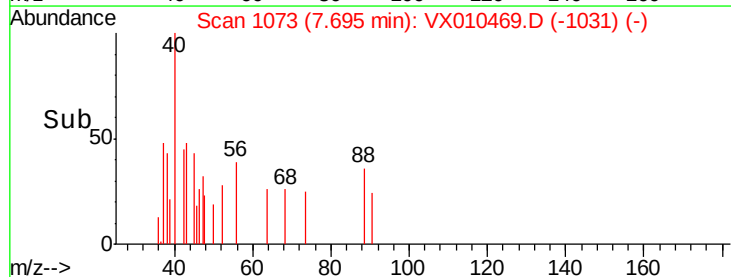
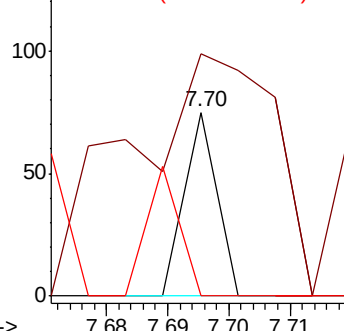
58 70.4 49.5 74.3

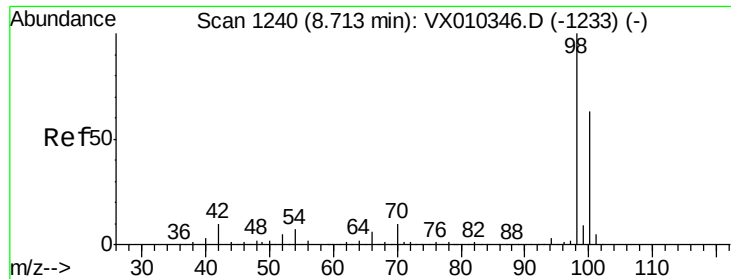


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

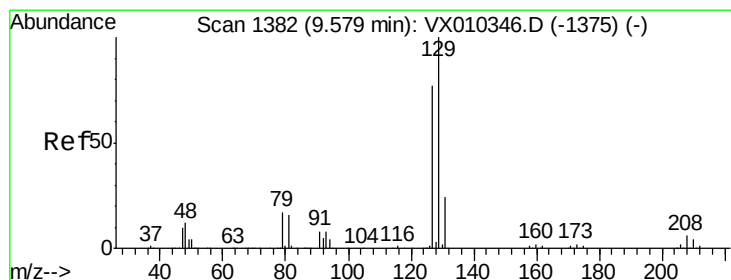
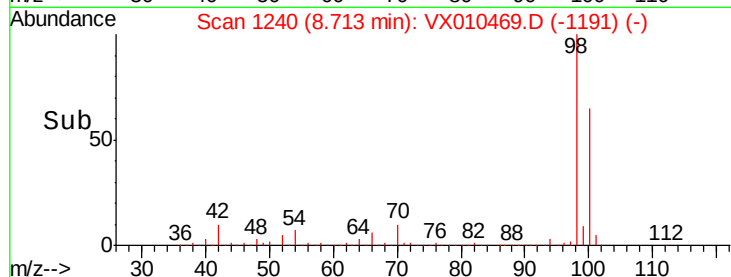
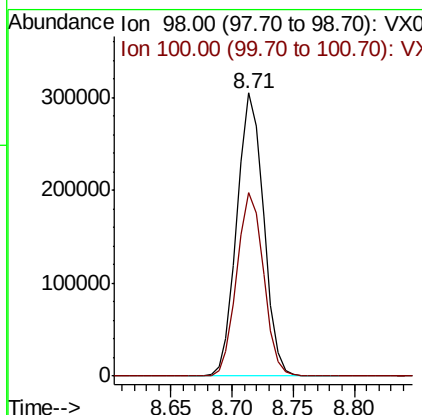
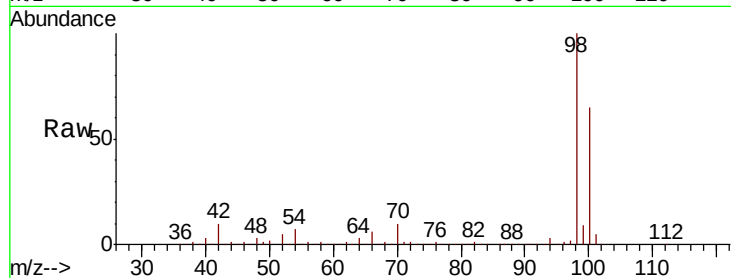




#50
Toluene-d8
Concen: 49.997 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010469.D
Acq: 26 Jun 2019 17:43

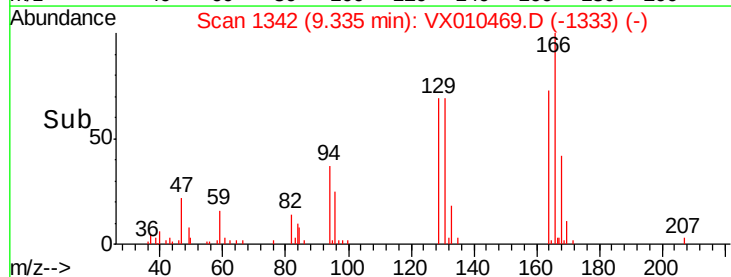
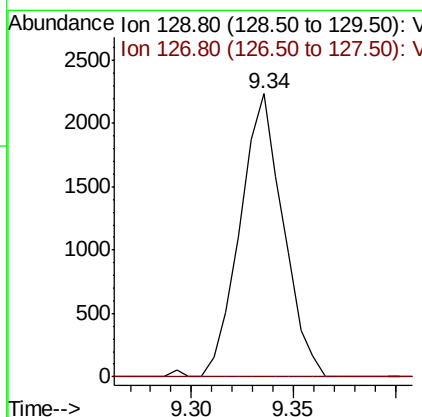
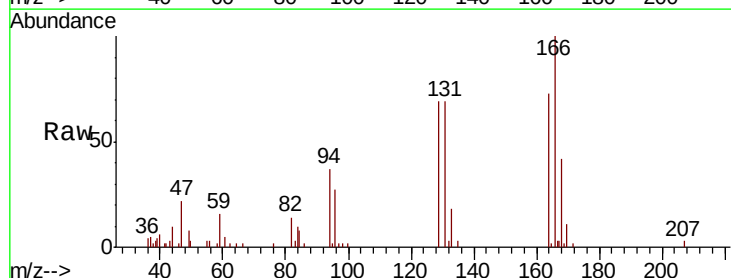
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW11D-M24W1-062219-D

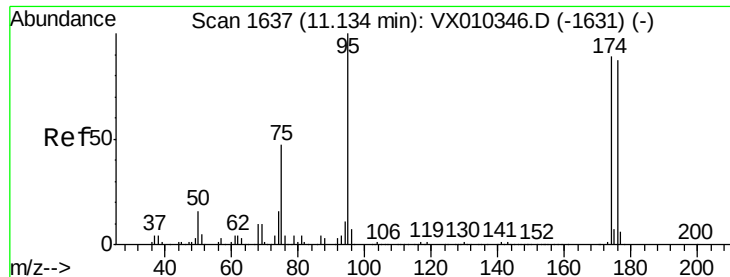
Tot Ion: 98 Resp: 463262
Ion Ratio Lower Upper
98 100
100 64.9 51.6 77.4



#60
Dibromochloromethane
Concen: 1.100 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX010469.D
Acq: 26 Jun 2019 17:43

Tgt Ion:129 Resp: 3277
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.1#





#62

4-Bromofluorobenzene

Concen: 46.491 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010469.D

Acq: 26 Jun 2019 17:43

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW11D-M24W1-062219-D

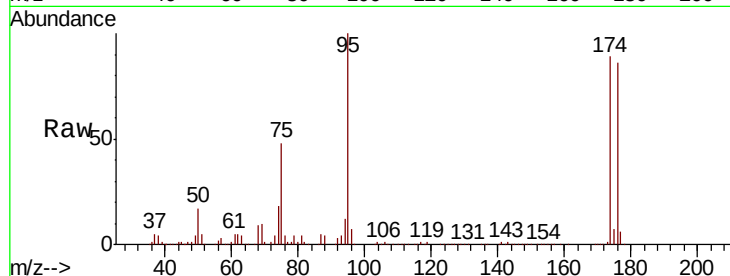
Tot Ion: 95 Resp: 155523

Ion Ratio Lower Upper

95 100

174 95.4 0.0 187.6

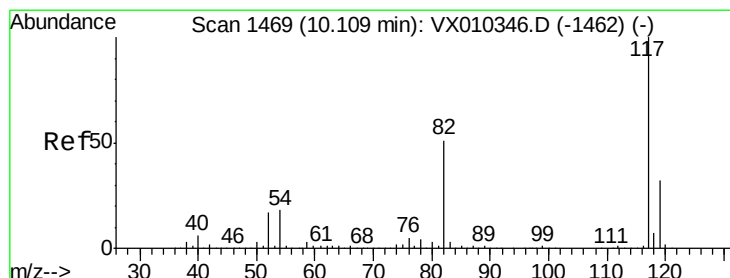
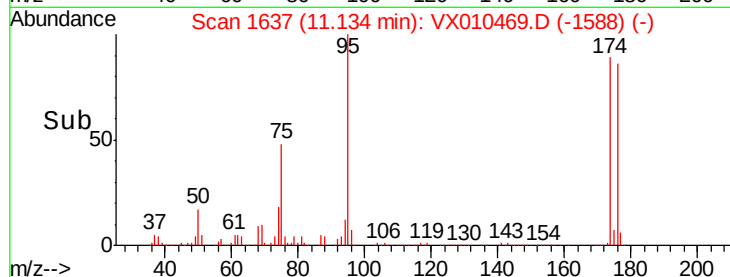
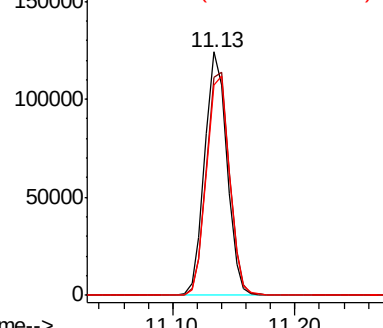
176 93.1 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010469.D

Acq: 26 Jun 2019 17:43

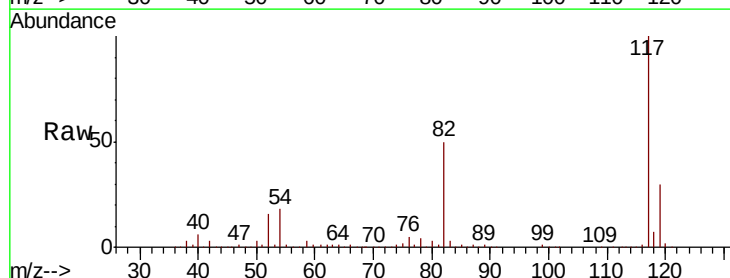
Tgt Ion: 117 Resp: 362536

Ion Ratio Lower Upper

117 100

82 50.1 41.2 61.8

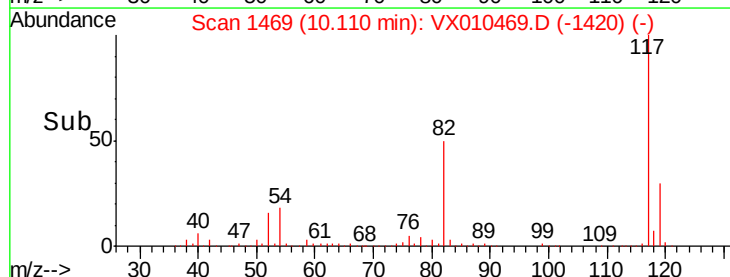
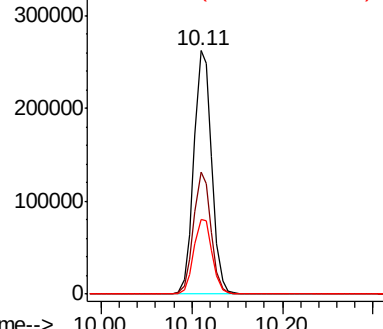
119 30.4 25.5 38.3

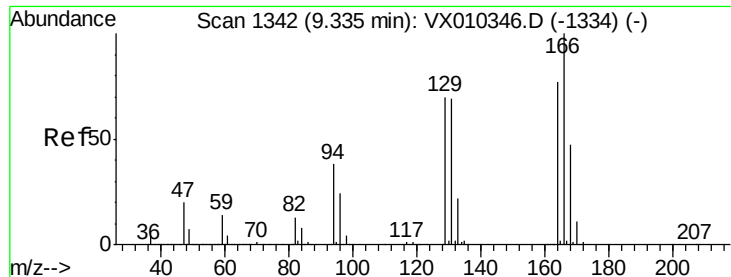


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#64

Tetrachloroethene

Concen: 1.209 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX010469.D

Acq: 26 Jun 2019 17:43

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW11D-M24W1-062219-D

Tot Ion:164 Resp: 3546

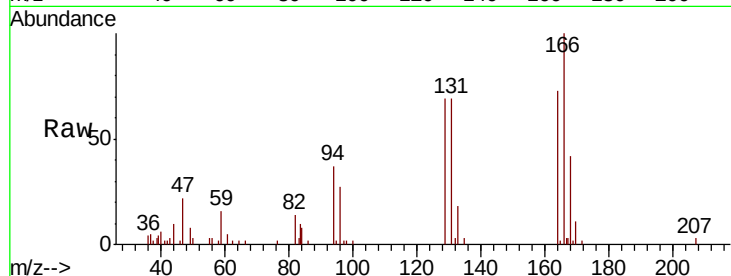
Ion Ratio Lower Upper

164 100

166 136.8 103.6 155.4

129 94.5 73.0 109.4

131 93.9 71.0 106.4

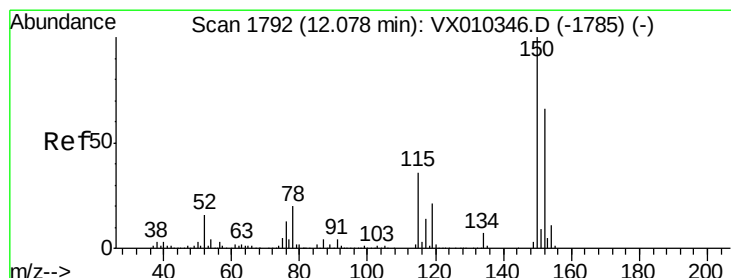
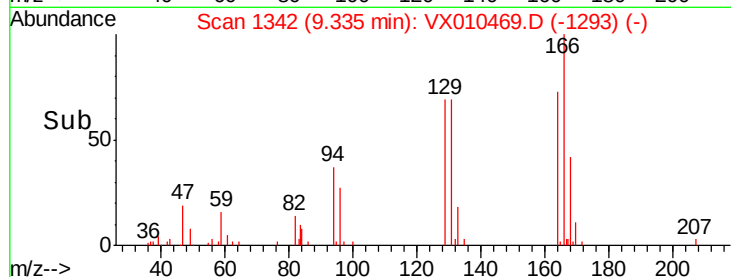
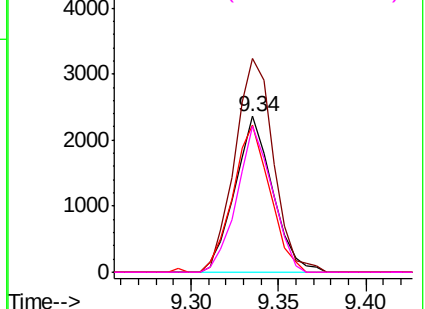


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX010469.D

Acq: 26 Jun 2019 17:43

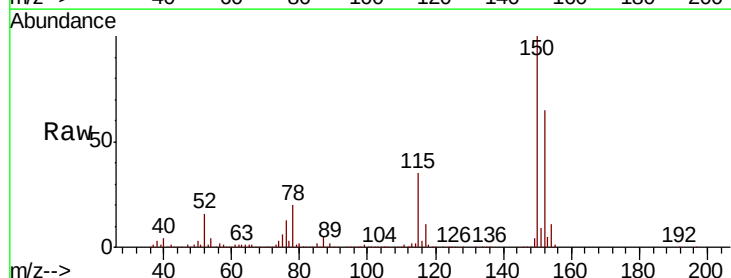
Tgt Ion:152 Resp: 164746

Ion Ratio Lower Upper

152 100

115 54.6 38.6 115.7

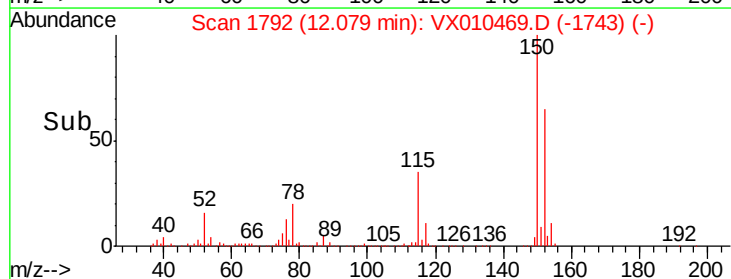
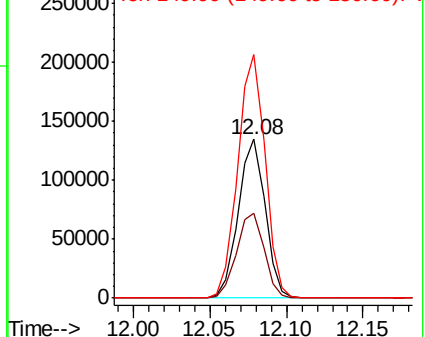
150 155.6 0.0 347.4

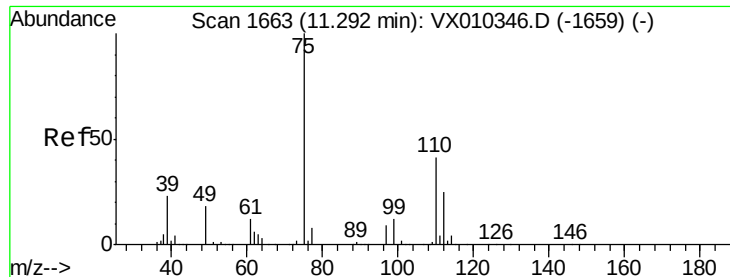


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.430 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010469.D

Acq: 26 Jun 2019 17:43

Instrument :

MSVOA_X

ClientSampleId :

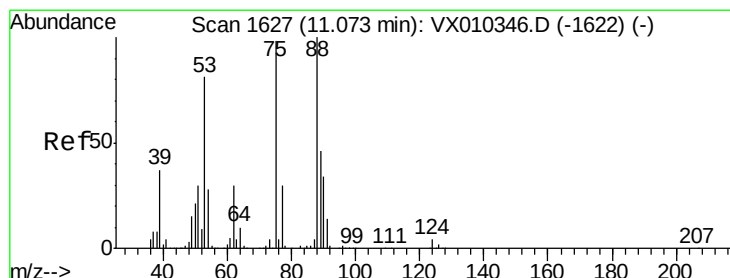
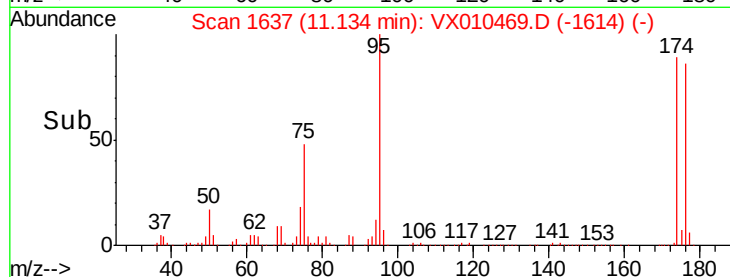
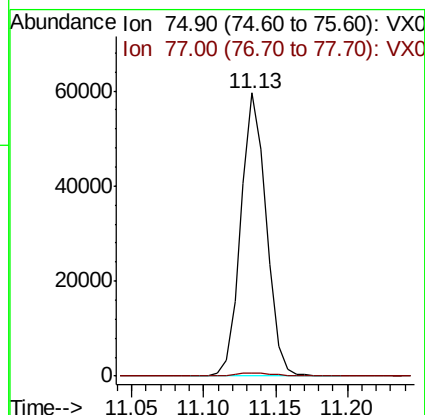
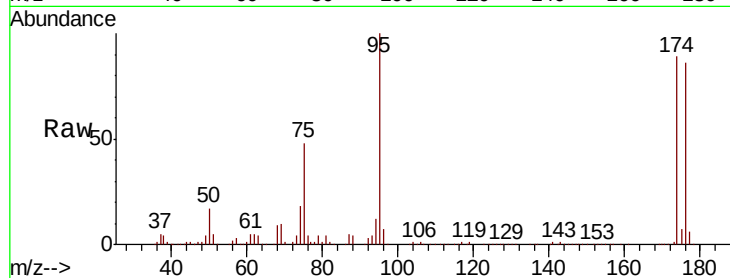
CPA-CPMW11D-M24W1-062219-D

Tot Ion: 75 Resp: 73341

Ion Ratio Lower Upper

75 100

77 1.6 22.6 67.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 56.992 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010469.D

Acq: 26 Jun 2019 17:43

Tgt Ion: 75 Resp: 73341

Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

89 0.0 37.8 56.6#

