

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062619\
 Data File : VX010462.D
 Acq On : 26 Jun 2019 14:59
 Operator : JC/SP
 Sample : K3527-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW05S-M24W1-062119

Quant Time: Jun 27 01:12:55 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	256065	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	393850	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	354451	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	161808	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	121166	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	
35) Dibromofluoromethane	5.50	113	120185	49.88	ug/l	0.00
Spiked Amount			Recovery	=	99.76%	
50) Toluene-d8	8.71	98	462731	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
62) 4-Bromofluorobenzene	11.13	95	152162	45.72	ug/l	0.00
Spiked Amount			Recovery	=	91.44%	

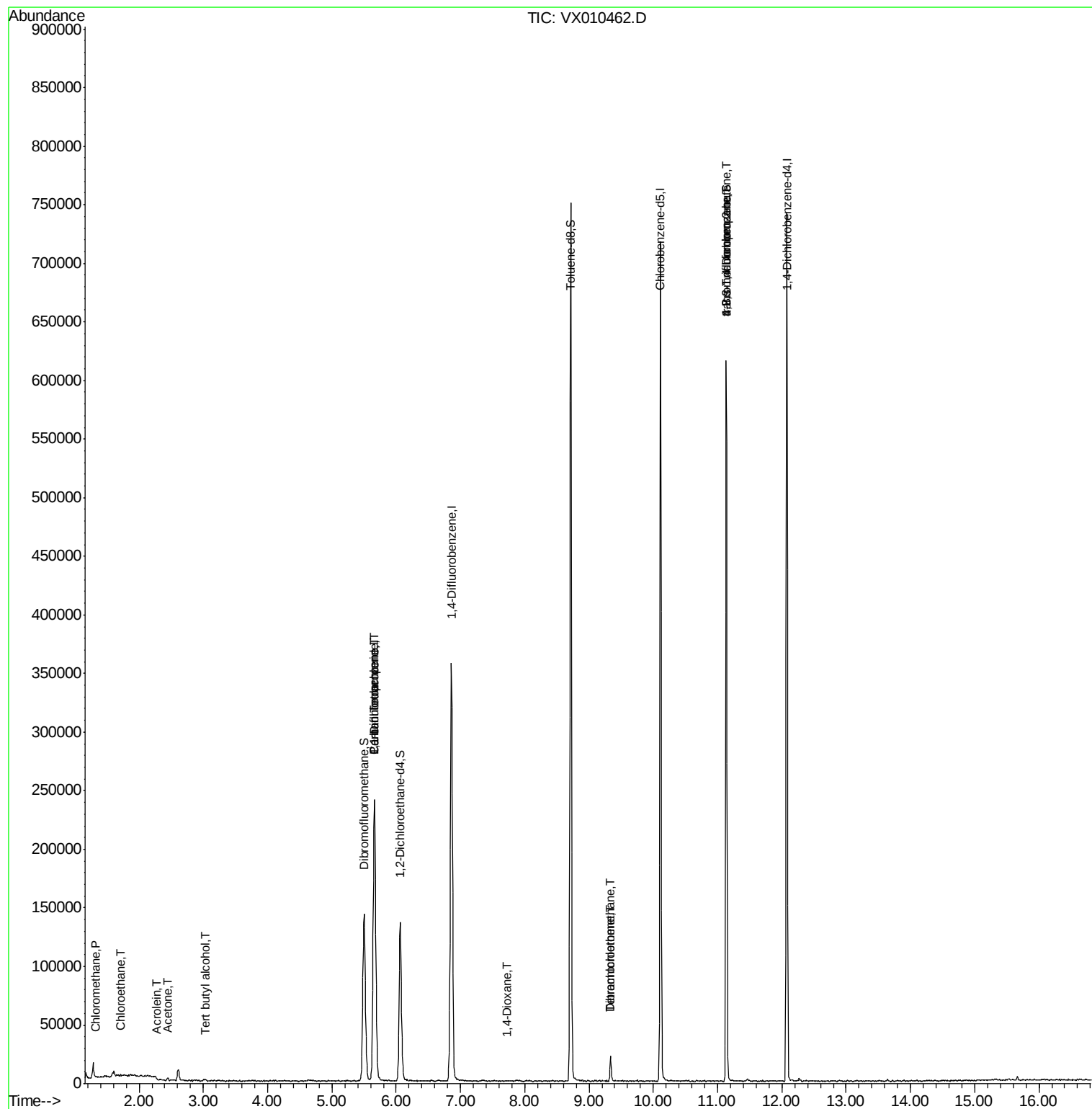
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	454	0.219	ug/l #	43
6) Chloroethane	1.71	64	580	0.433	ug/l #	41
11) Tert butyl alcohol	3.02	59	948	1.509	ug/l #	74
13) Acrolein	2.28	56	259	0.621	ug/l #	73
16) Acetone	2.45	43	2738	2.276	ug/l	96
36) 1,1-Dichloropropene	5.66	75	15834	5.059	ug/l #	43
38) Carbon Tetrachloride	5.67	117	22469	6.630	ug/l #	15
49) 1,4-Dioxane	7.72	88	41	0.575	ug/l #	28
60) Dibromochloromethane	9.34	129	3802	1.282	ug/l #	11
64) Tetrachloroethene	9.34	164	3991	1.392	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	72473	24.579	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	72473	57.340	ug/l #	16

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

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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: VX010462.D

Acq: 26 Jun 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

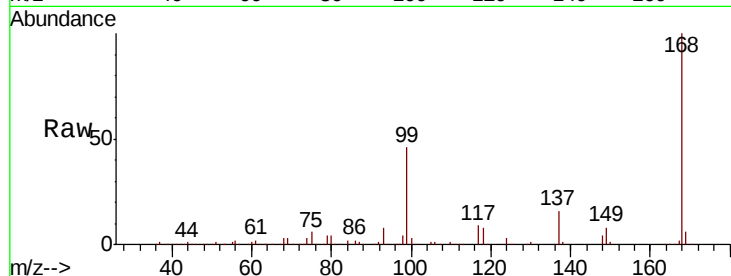
CPA-CPMW05S-M24W1-062119

Tot Ion:168 Resp: 256065

Ion Ratio Lower Upper

168 100

99 45.5 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

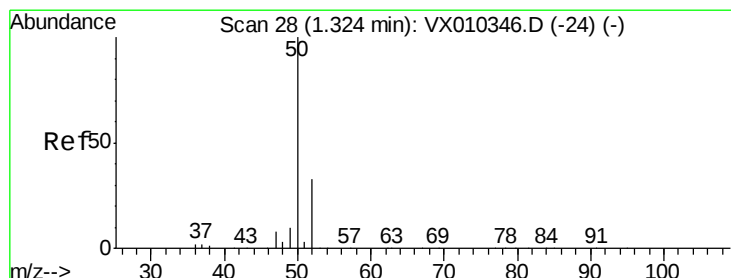
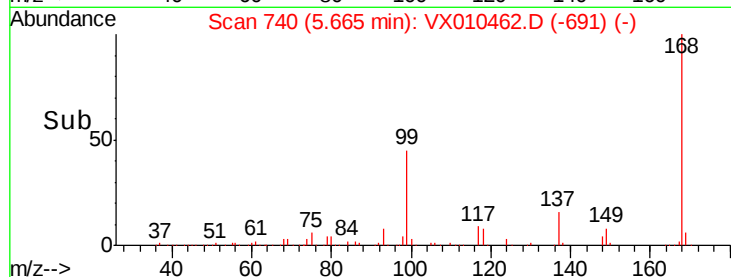
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.219 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010462.D

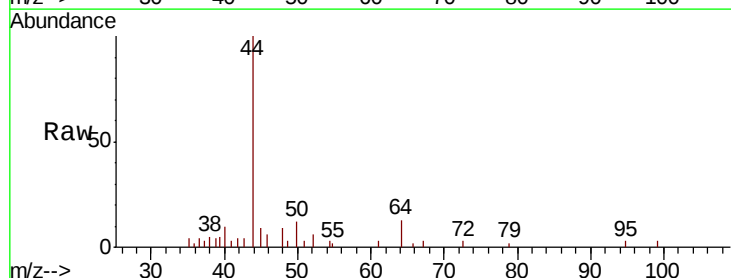
Acq: 26 Jun 2019 14:59

Tgt Ion: 50 Resp: 454

Ion Ratio Lower Upper

50 100

52 65.4 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

400

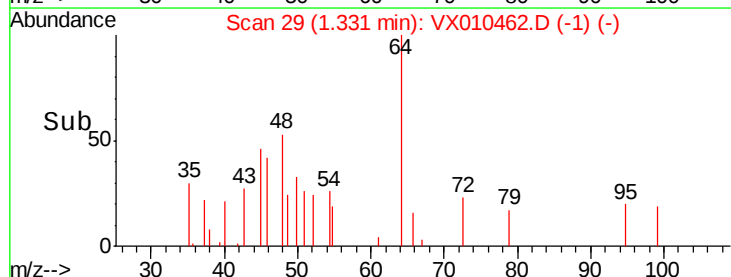
300

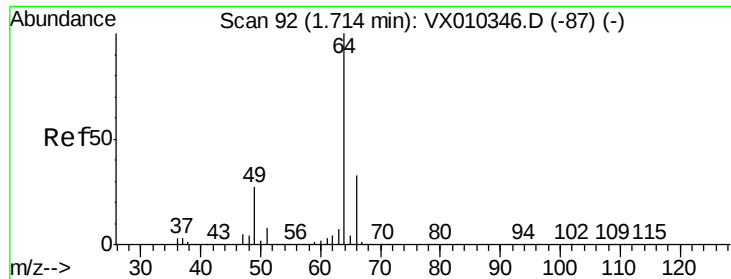
200

100

0

Time--> 1.30 1.35





#6

Chloroethane

Concen: 0.433 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010462.D

Acq: 26 Jun 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

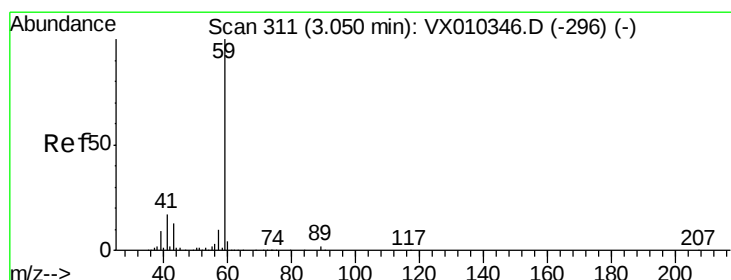
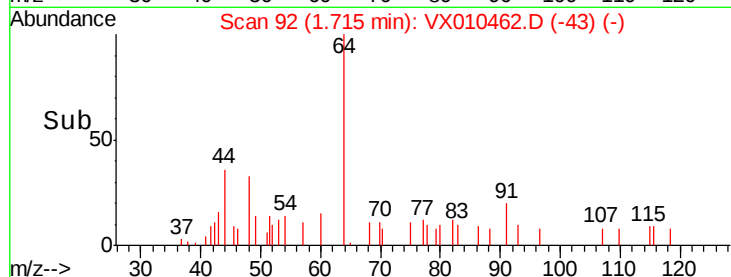
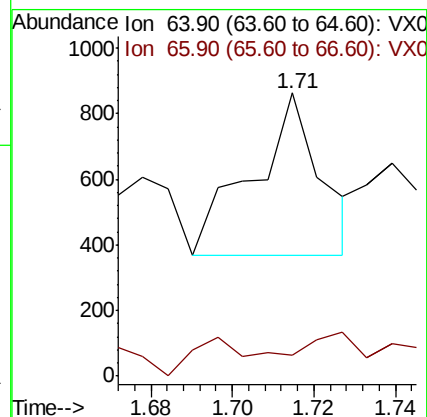
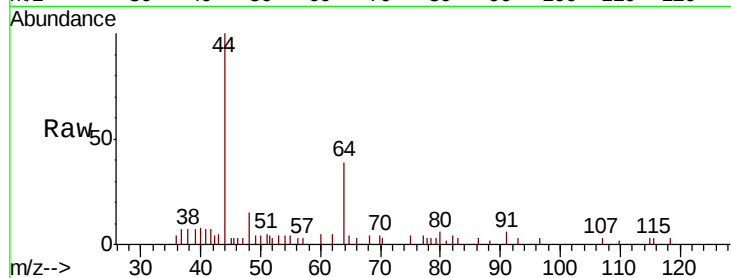
CPA-CPMW05S-M24W1-062119

Tot Ion: 64 Resp: 580

Ion Ratio Lower Upper

64 100

66 0.0 26.6 40.0#



#11

Tert butyl alcohol

Concen: 1.509 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX010462.D

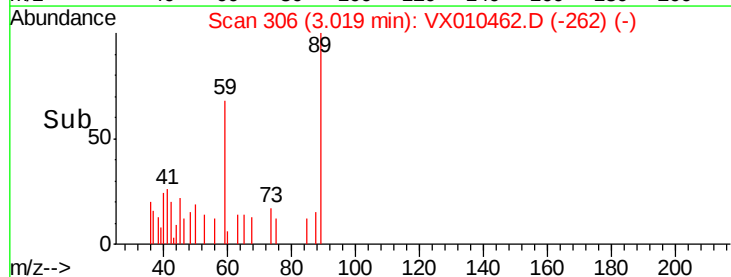
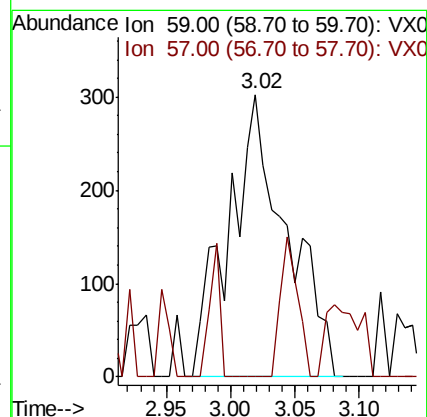
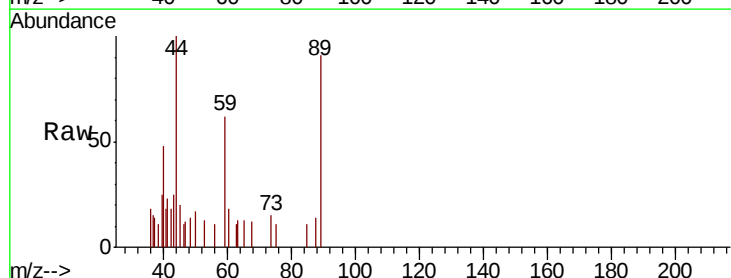
Acq: 26 Jun 2019 14:59

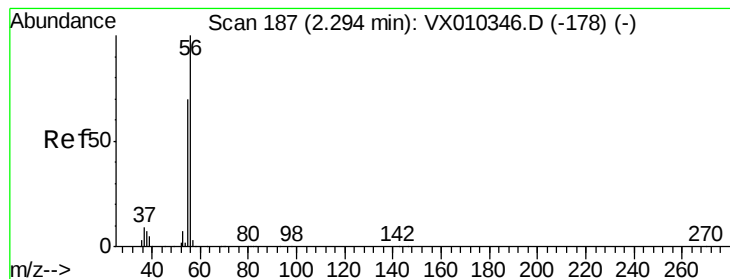
Tgt Ion: 59 Resp: 948

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#





#13

Acrolein

Concen: 0.621 ug/l

RT: 2.28 min Scan# 184

Delta R.T. -0.02 min

Lab File: VX010462.D

Acq: 26 Jun 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

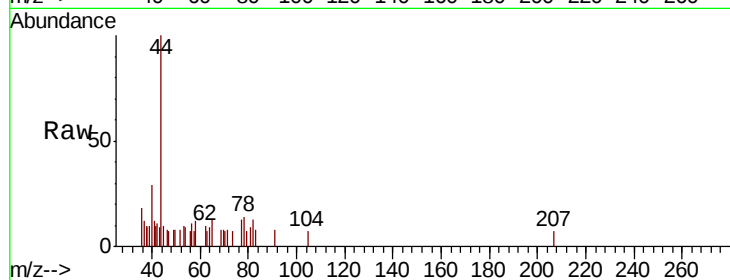
CPA-CPMW05S-M24W1-062119

Tot Ion: 56 Resp: 259

Ion Ratio Lower Upper

56 100

55 93.8 56.9 85.3#



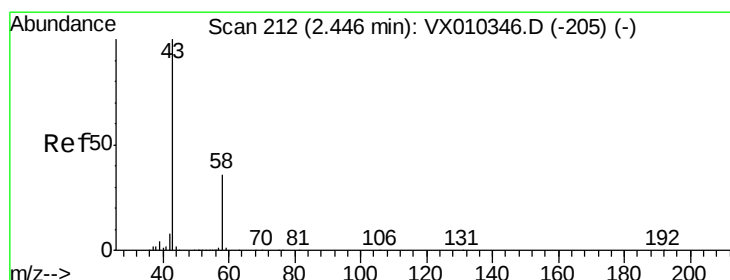
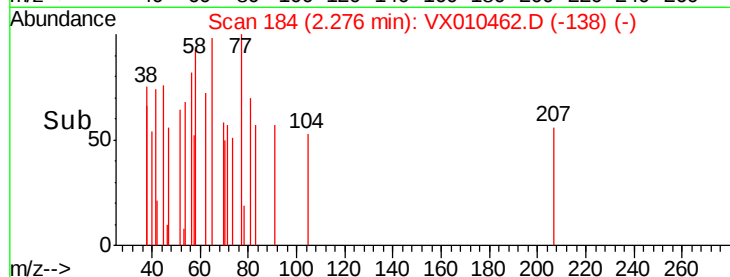
Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.28

2.30

Time-->



#16

Acetone

Concen: 2.276 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010462.D

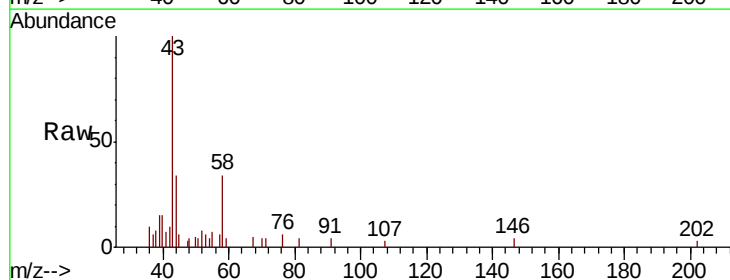
Acq: 26 Jun 2019 14:59

Tgt Ion: 43 Resp: 2738

Ion Ratio Lower Upper

43 100

58 33.9 28.9 43.3



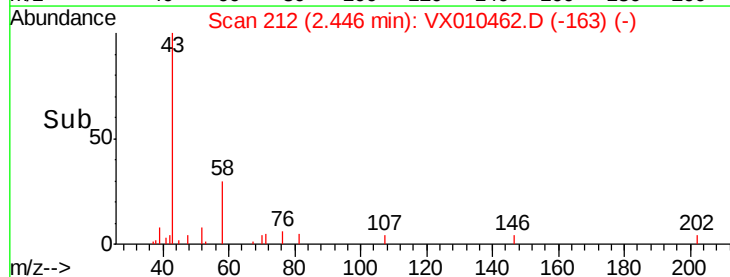
Abundance Ion 43.00 (42.70 to 43.70): VX0

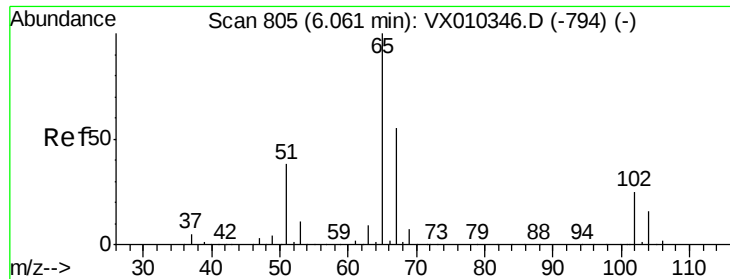
Ion 58.00 (57.70 to 58.70): VX0

2.45

2.50

Time-->

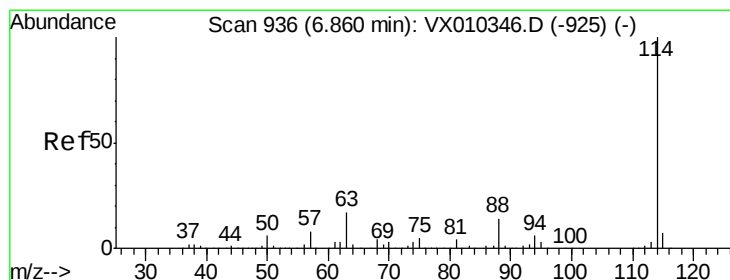
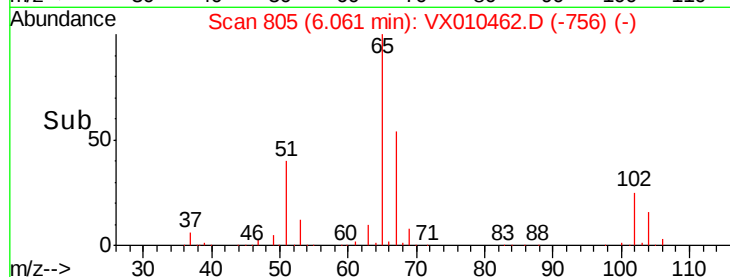
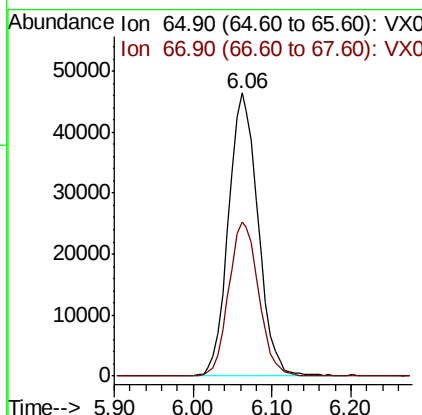
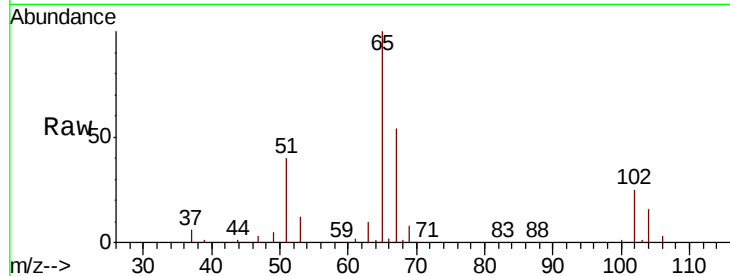




#33
 1,2-Dichloroethane-d4
 Concen: 50.468 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010462.D
 Acq: 26 Jun 2019 14:59

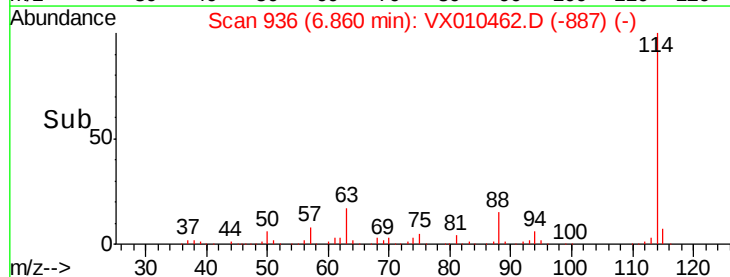
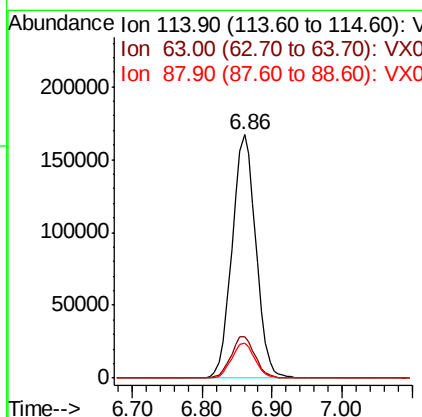
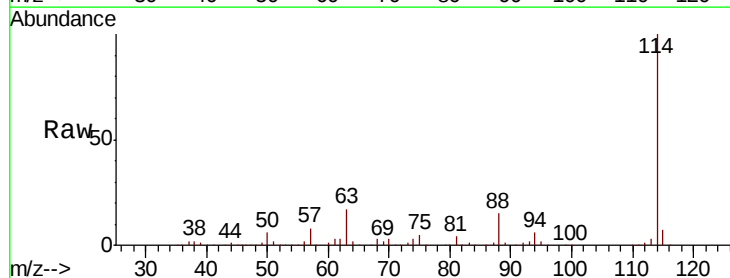
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 CPA-CPMW05S-M24W1-062119

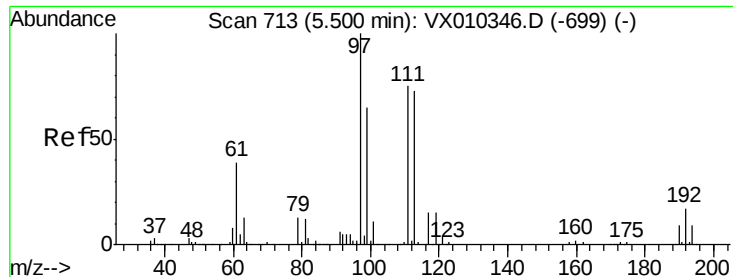
Tot Ion: 65 Resp: 121166
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010462.D
 Acq: 26 Jun 2019 14:59

Tgt Ion: 114 Resp: 393850
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 33.8
 88 14.6 0.0 27.6

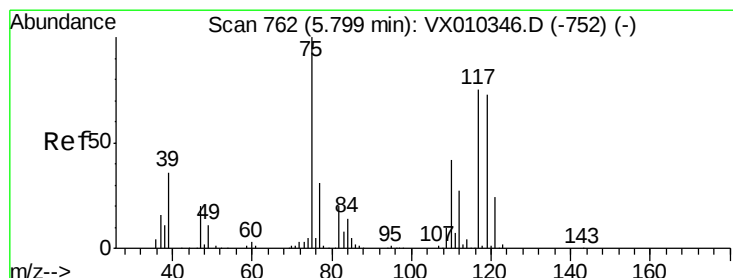
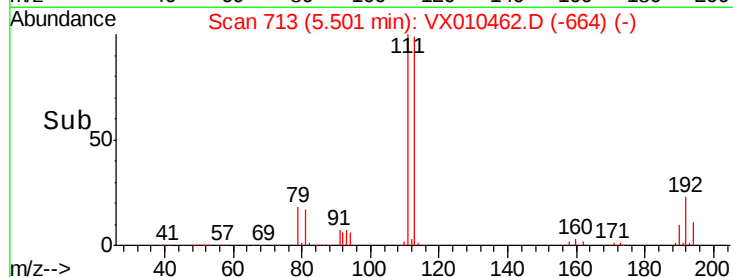
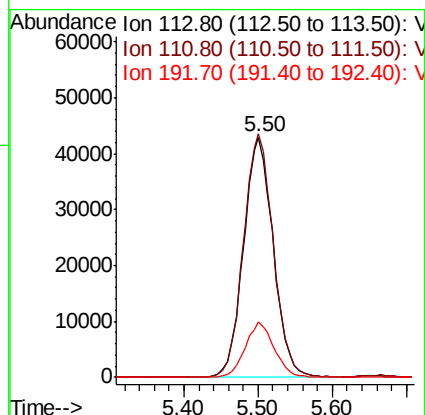
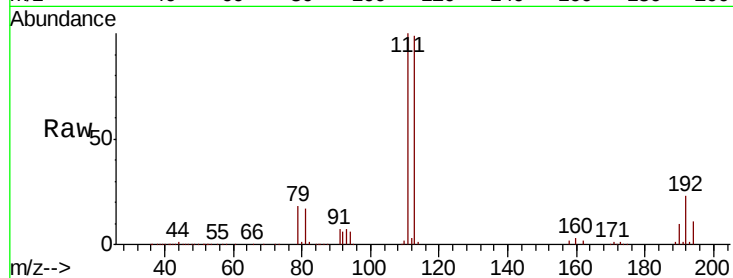




#35
Dibromofluoromethane
Concen: 49.875 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010462.D
Acq: 26 Jun 2019 14:59

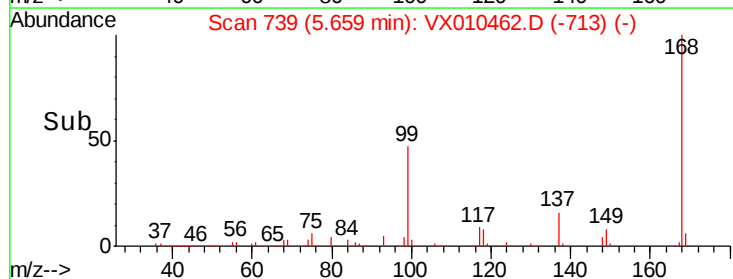
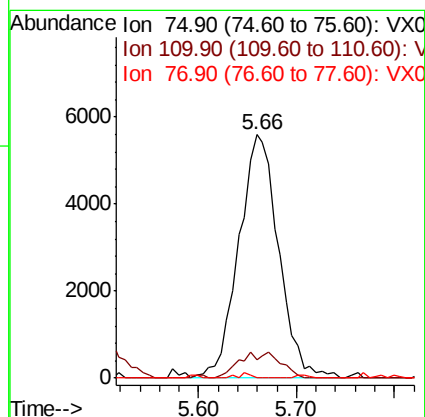
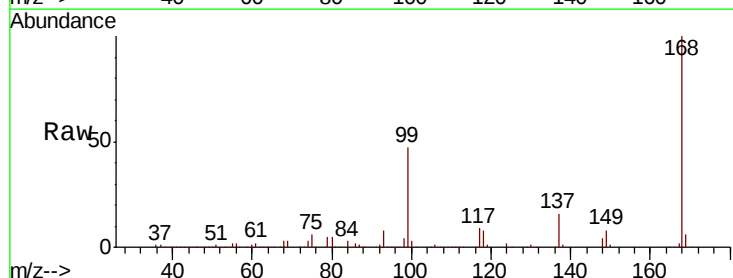
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW05S-M24W1-062119

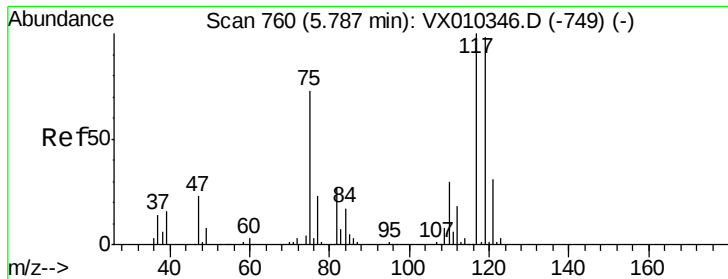
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.2	121.8
192	22.4	18.6	27.8



#36
1,1-Dichloropropene
Concen: 5.059 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.14 min
Lab File: VX010462.D
Acq: 26 Jun 2019 14:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.4	20.8	62.2#
77	0.6	25.4	38.0#





#38

Carbon Tetrachloride

Concen: 6.630 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010462.D

Acq: 26 Jun 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW05S-M24W1-062119

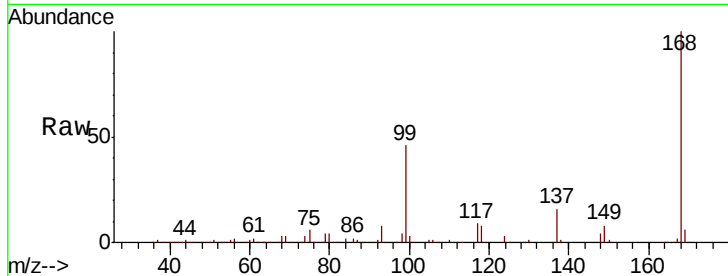
Tot Ion:117 Resp: 22469

Ion Ratio Lower Upper

117 100

119 4.3 78.2 117.4#

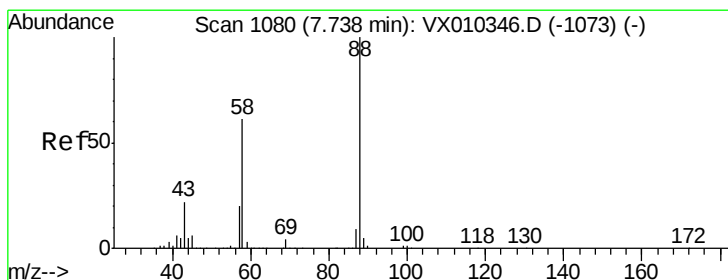
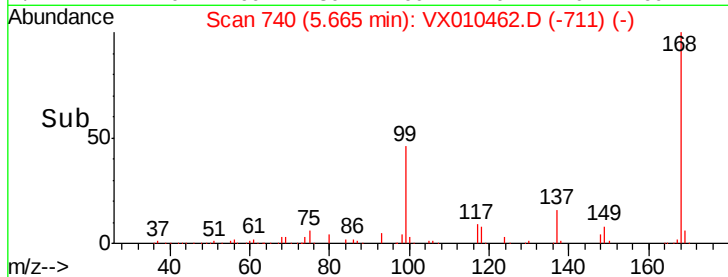
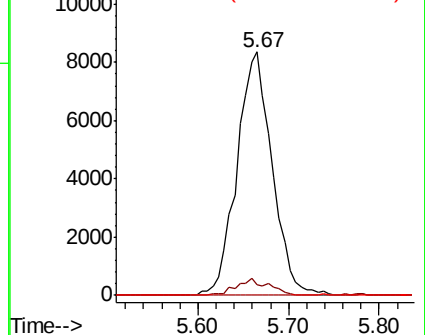
121 0.0 24.7 37.1#



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: 0.575 ug/l

RT: 7.72 min Scan# 1077

Delta R.T. -0.02 min

Lab File: VX010462.D

Acq: 26 Jun 2019 14:59

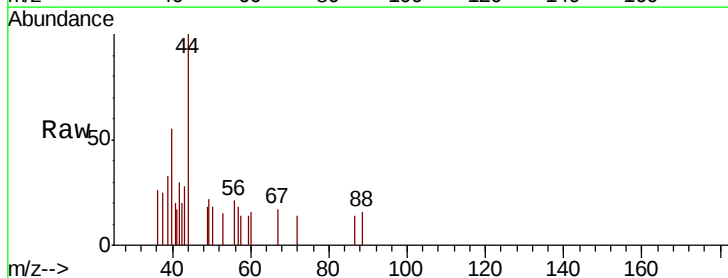
Tgt Ion: 88 Resp: 41

Ion Ratio Lower Upper

88 100

43 0.0 20.2 30.2#

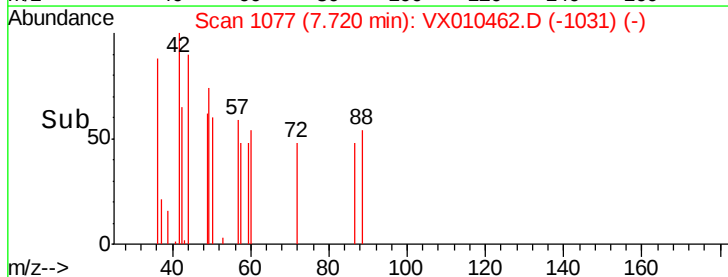
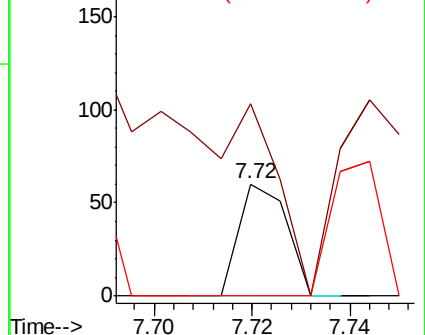
58 0.0 49.5 74.3#

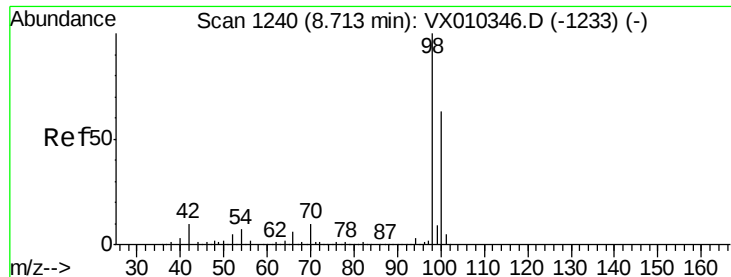


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

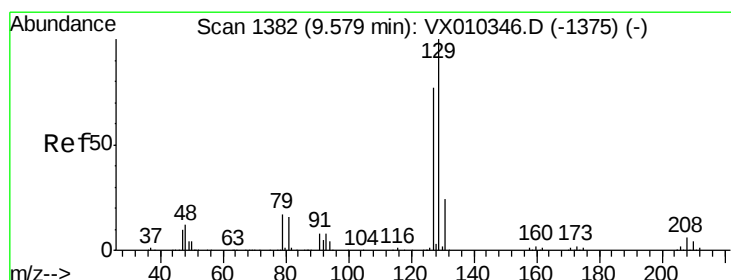
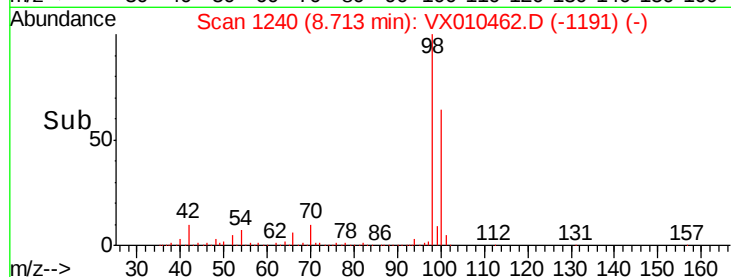
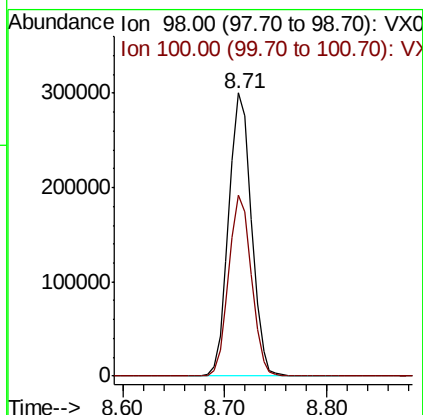
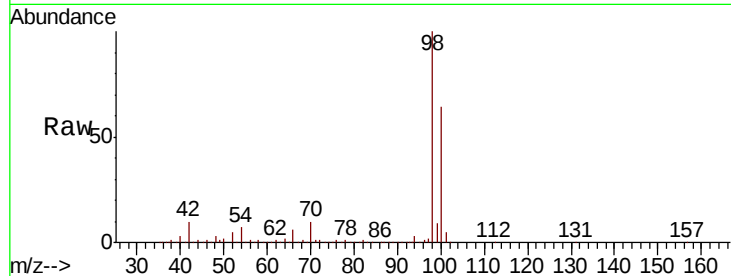




#50
Toluene-d8
Concen: 50.193 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010462.D
Acq: 26 Jun 2019 14:59

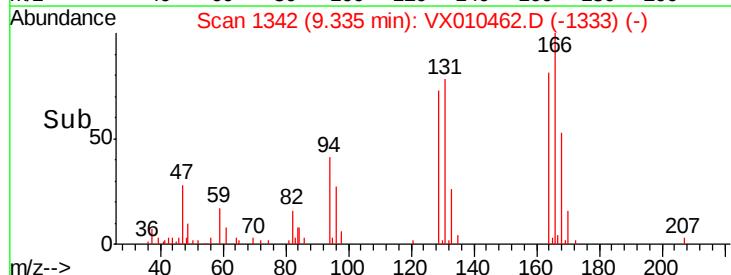
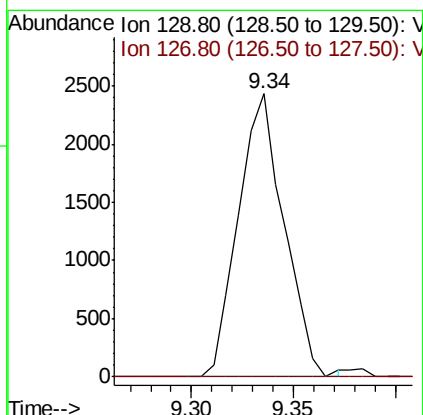
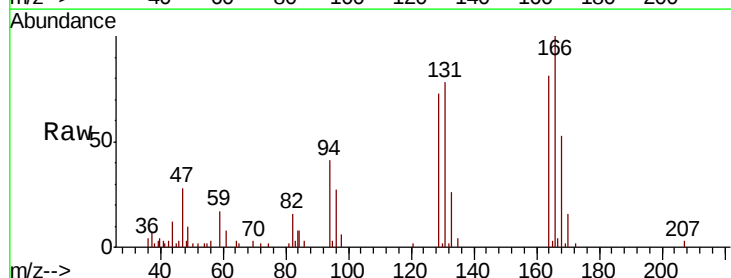
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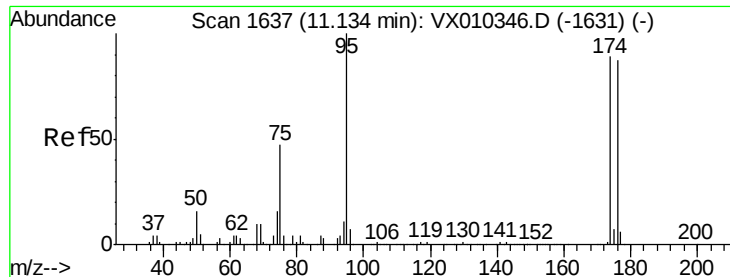
Tot Ion: 98 Resp: 462731
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4



#60
Dibromochloromethane
Concen: 1.282 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX010462.D
Acq: 26 Jun 2019 14:59

Tgt Ion: 129 Resp: 3802
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.1#





#62

4-Bromofluorobenzene

Concen: 45.717 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010462.D

Acq: 26 Jun 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW05S-M24W1-062119

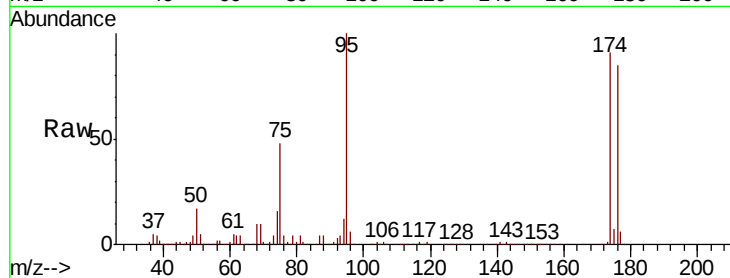
Tot Ion: 95 Resp: 152162

Ion Ratio Lower Upper

95 100

174 95.7 0.0 187.6

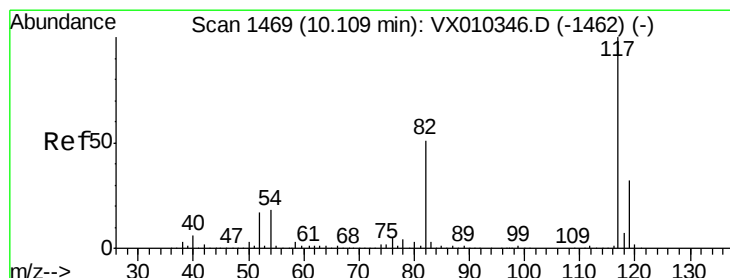
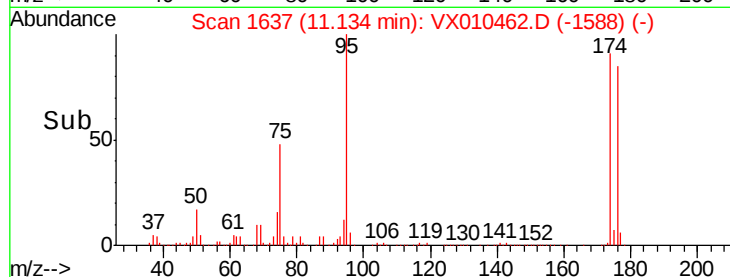
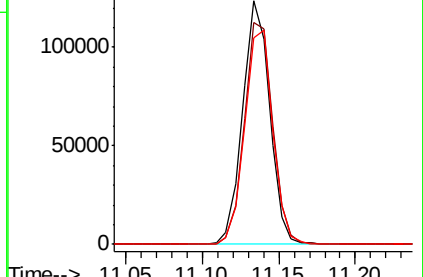
176 91.6 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010346.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010346.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010346.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010462.D

Acq: 26 Jun 2019 14:59

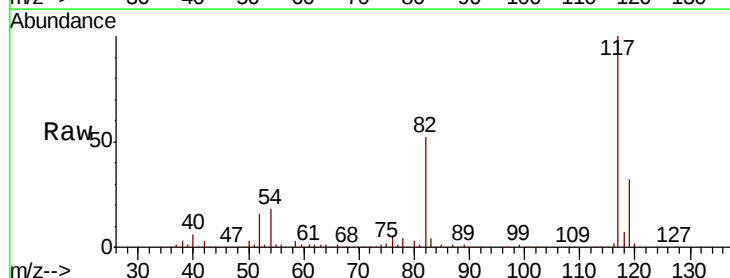
Tgt Ion: 117 Resp: 354451

Ion Ratio Lower Upper

117 100

82 51.7 41.2 61.8

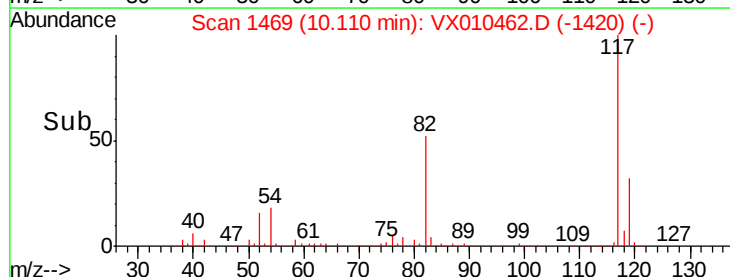
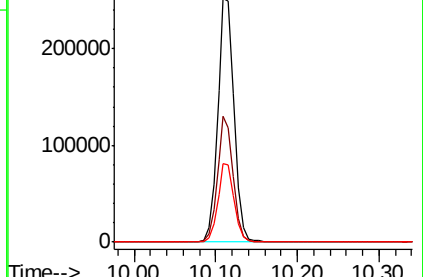
119 32.0 25.5 38.3

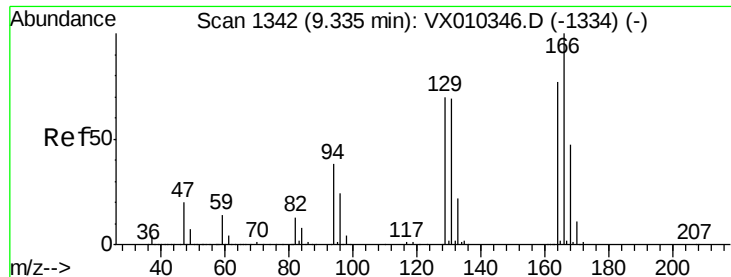


Abundance Ion 116.90 (116.60 to 117.60): VX010346.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010346.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010346.D (-1462) (-)

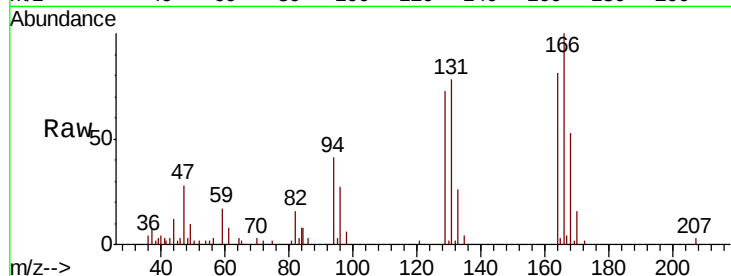




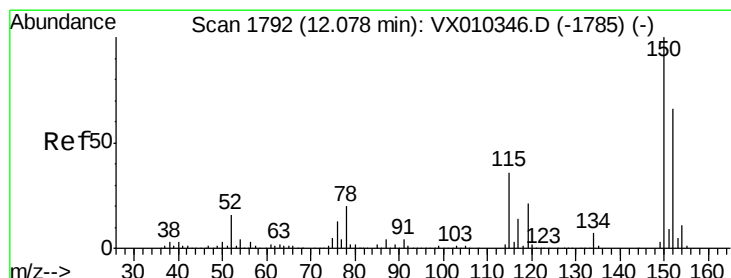
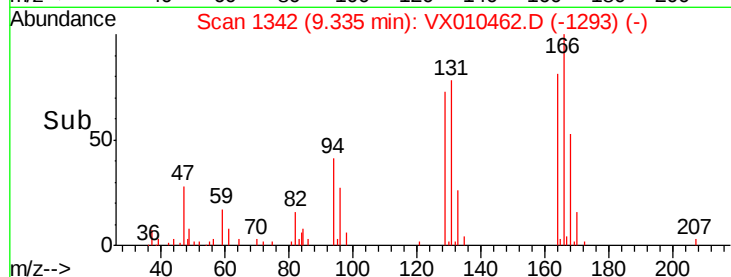
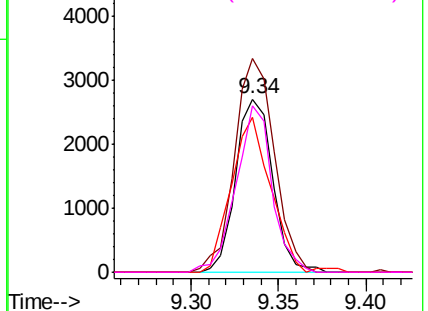
#64
Tetrachloroethene
Concen: 1.392 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010462.D
Acq: 26 Jun 2019 14:59

Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW05S-M24W1-062119

Tot Ion:164 Resp: 3991
Ion Ratio Lower Upper
164 100
166 123.4 103.6 155.4
129 89.8 73.0 109.4
131 96.0 71.0 106.4

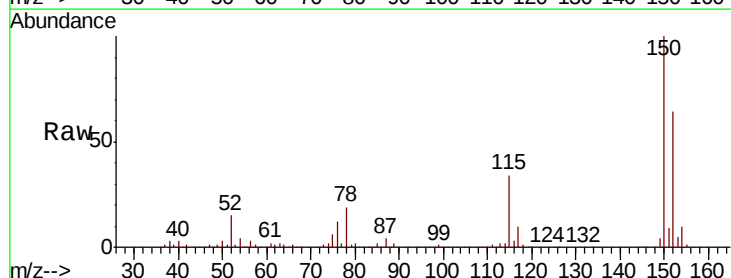


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

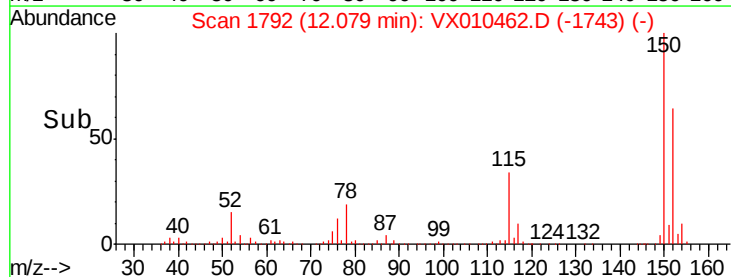
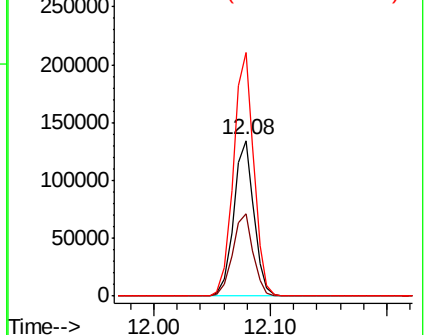


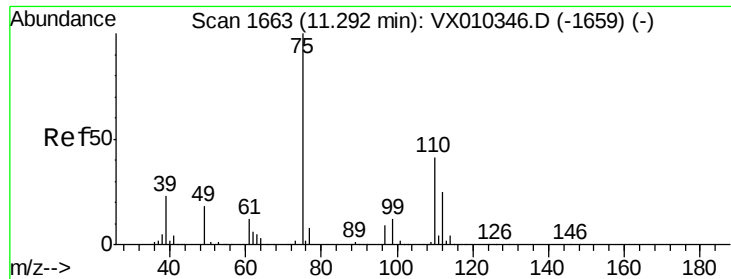
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010462.D
Acq: 26 Jun 2019 14:59

Tgt Ion:152 Resp: 161808
Ion Ratio Lower Upper
152 100
115 53.8 38.6 115.7
150 158.0 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: 24.579 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010462.D

Acq: 26 Jun 2019 14:59

Instrument :

MSVOA_X

ClientSampleId :

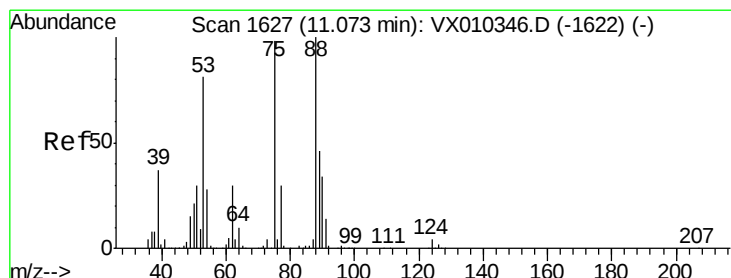
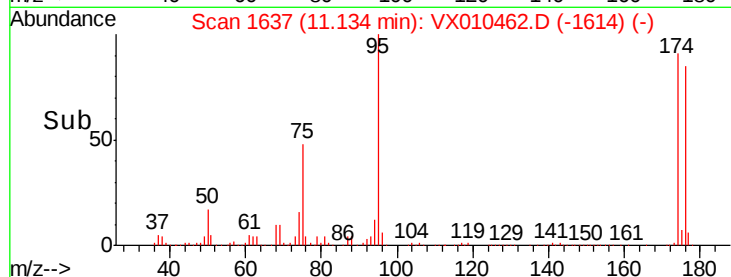
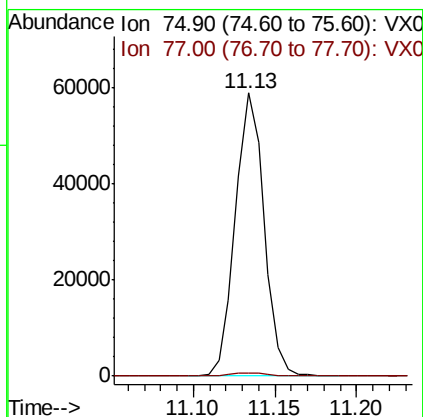
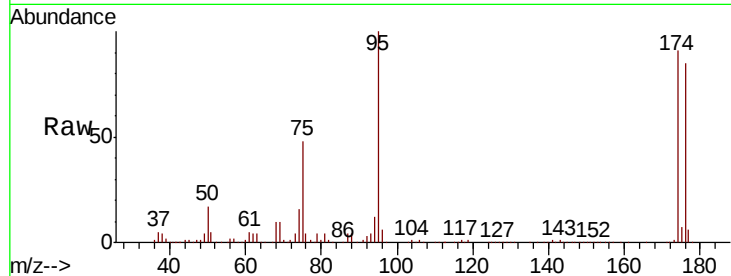
CPA-CPMW05S-M24W1-062119

Tot Ion: 75 Resp: 72473

Ion Ratio Lower Upper

75 100

77 1.5 22.6 67.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.340 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010462.D

Acq: 26 Jun 2019 14:59

Tgt Ion: 75 Resp: 72473

Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

89 0.0 37.8 56.6#

