

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062619\
 Data File : VX010465.D
 Acq On : 26 Jun 2019 16:09
 Operator : JC/SP
 Sample : K3527-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW09S-M24W1-062219

Quant Time: Jun 27 01:13:27 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	251929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	387237	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	355497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	167762	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	118469	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
35) Dibromofluoromethane	5.50	113	118627	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	
50) Toluene-d8	8.71	98	462161	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
62) 4-Bromofluorobenzene	11.13	95	156282	47.76	ug/l	0.00
Spiked Amount			Recovery	=	95.52%	

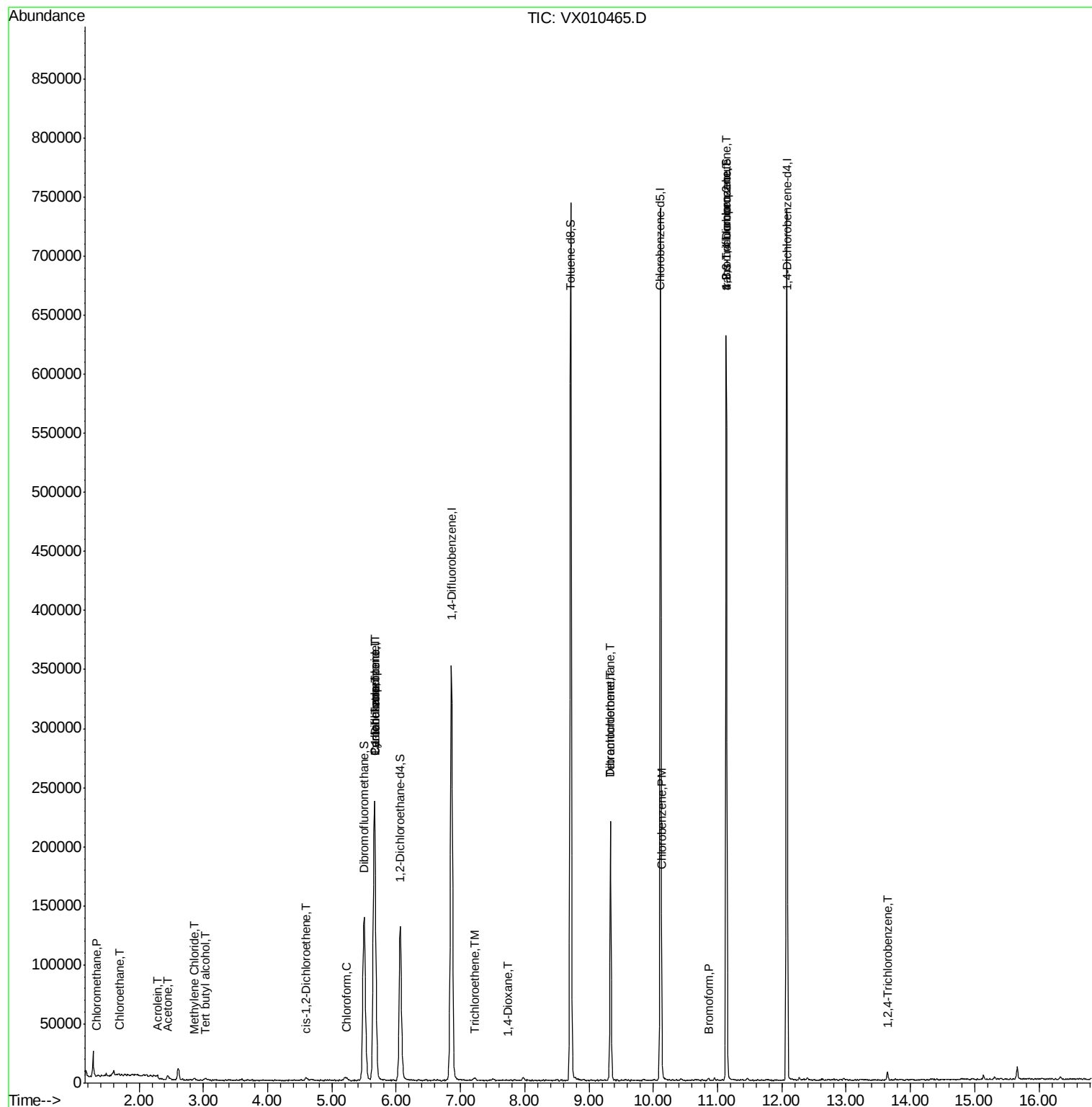
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	413	0.203	ug/l	90
6) Chloroethane	1.70	64	331	0.251	ug/l #	52
11) Tert butyl alcohol	3.03	59	1593	2.577	ug/l #	91
13) Acrolein	2.29	56	129	0.315	ug/l #	14
16) Acetone	2.44	43	4561	3.853	ug/l	93
20) Methylene Chloride	2.85	84	490	0.201	ug/l #	70
27) cis-1,2-Dichloroethene	4.60	96	1344	0.495	ug/l	90
30) Chloroform	5.21	83	3797	0.942	ug/l	99
31) Cyclohexane	5.67	56	4578	1.342	ug/l #	23
36) 1,1-Dichloropropene	5.66	75	15055	4.892	ug/l #	48
38) Carbon Tetrachloride	5.67	117	21885	6.568	ug/l #	15
44) Trichloroethene	7.23	130	958	0.334	ug/l	81
49) 1,4-Dioxane	7.73	88	38	0.542	ug/l #	1
60) Dibromochloromethane	9.34	129	38652	13.258	ug/l #	11
64) Tetrachloroethene	9.34	164	43264	15.046	ug/l	99
65) Chlorobenzene	10.13	112	1915	0.265	ug/l	98
71) Bromoform	10.86	173	707	0.309	ug/l #	98
76) 1,2,3-Trichloropropane	11.13	75	74582	24.397	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	74582	56.915	ug/l #	16
93) 1,2,4-Trichlorobenzene	13.65	180	1719	0.450	ug/l	96

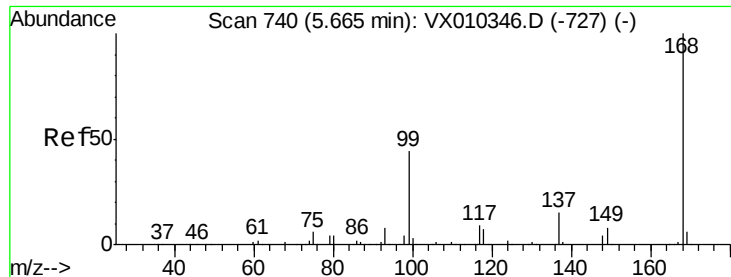
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062619\
Data File : VX010465.D
Acq On : 26 Jun 2019 16:09
Operator : JC/SP
Sample : K3527-11
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW09S-M24W1-062219

Quant Time: Jun 27 01:13:27 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: VX010465.D

Acq: 26 Jun 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

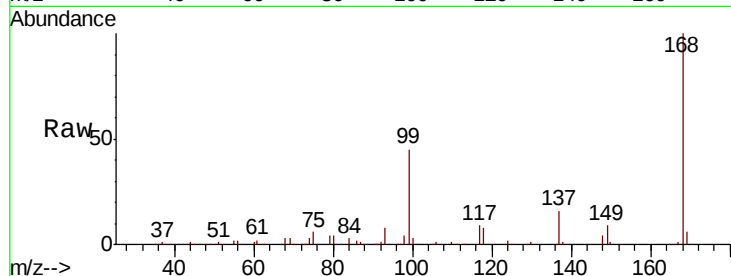
CPA-CPMW09S-M24W1-062219

Tot Ion:168 Resp: 251929

Ion Ratio Lower Upper

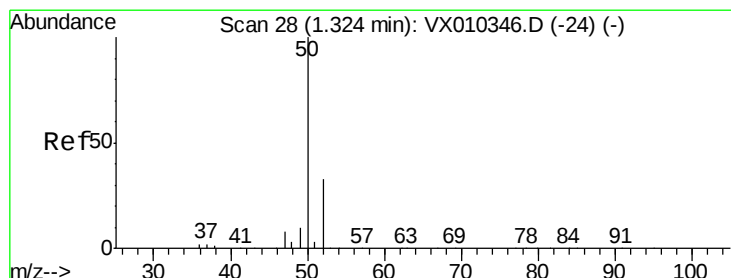
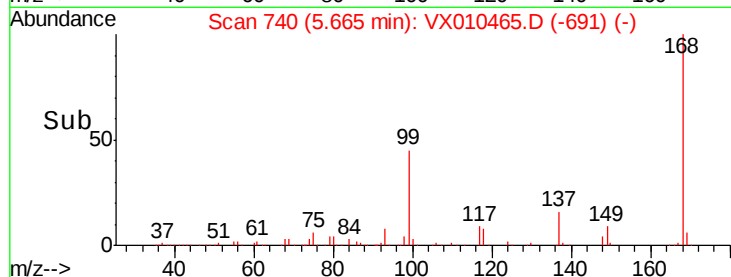
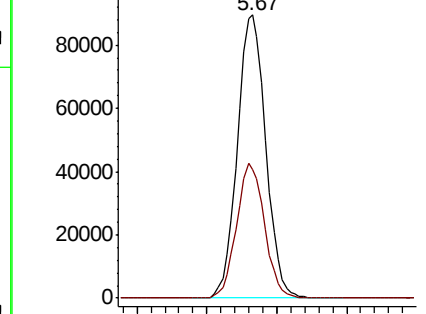
168 100

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



#3

Chloromethane

Concen: 0.203 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010465.D

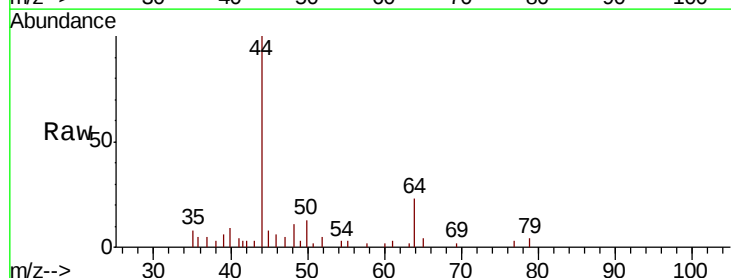
Acq: 26 Jun 2019 16:09

Tgt Ion: 50 Resp: 413

Ion Ratio Lower Upper

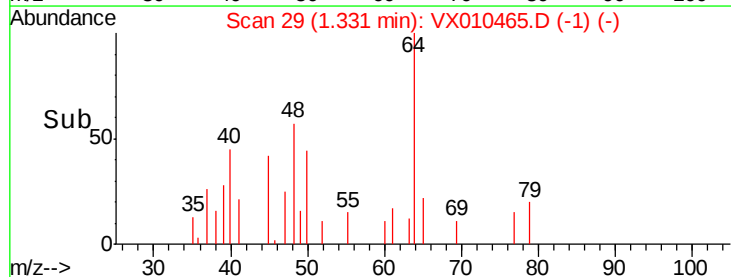
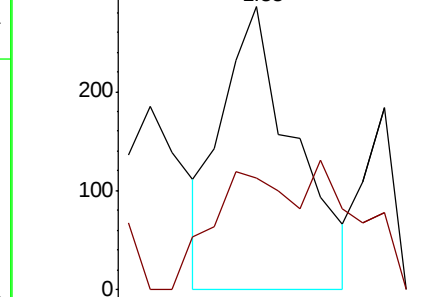
50 100

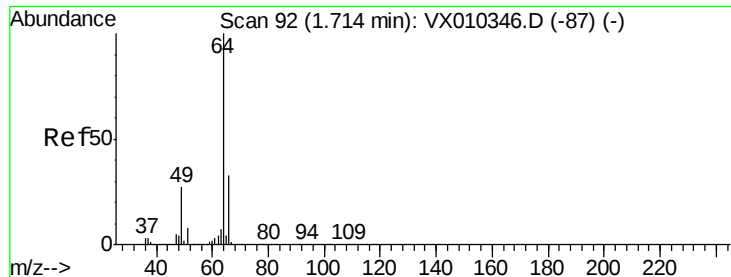
52 27.3 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: 0.251 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX010465.D

Acq: 26 Jun 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

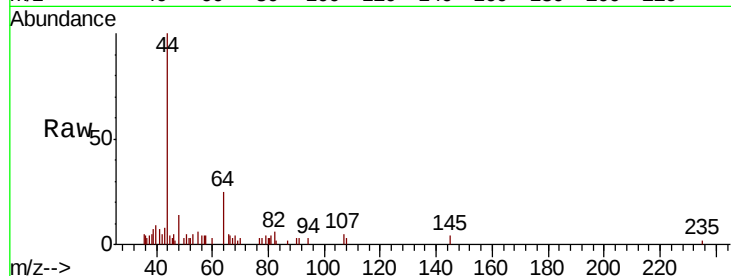
CPA-CPMW09S-M24W1-062219

Tot Ion: 64 Resp: 331

Ion Ratio Lower Upper

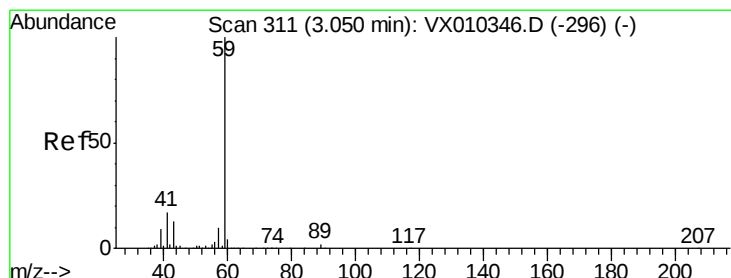
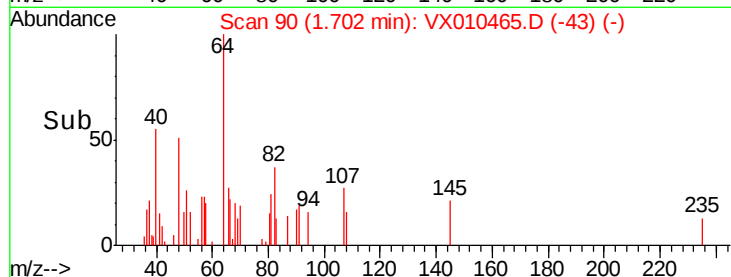
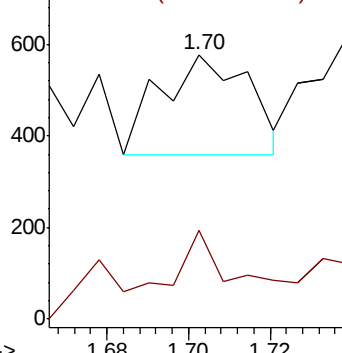
64 100

66 60.5 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: 2.577 ug/l

RT: 3.03 min Scan# 308

Delta R.T. -0.02 min

Lab File: VX010465.D

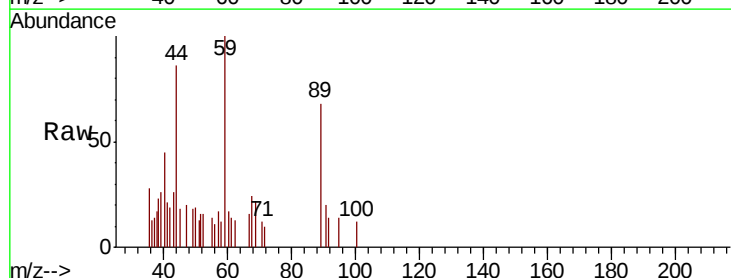
Acq: 26 Jun 2019 16:09

Tgt Ion: 59 Resp: 1593

Ion Ratio Lower Upper

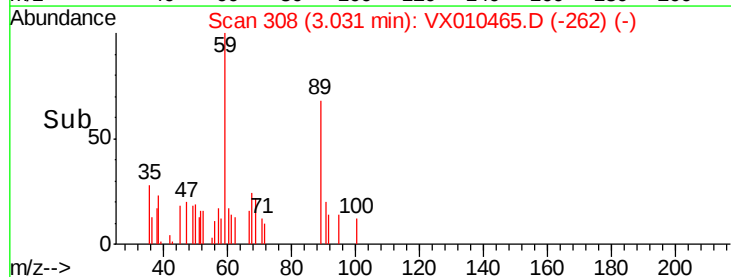
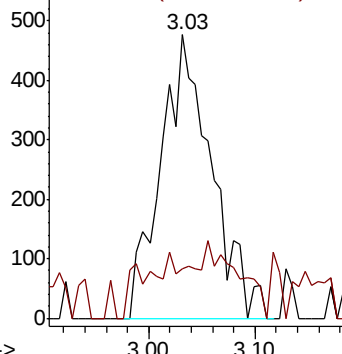
59 100

57 6.2 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: 0.315 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010465.D

Acq: 26 Jun 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

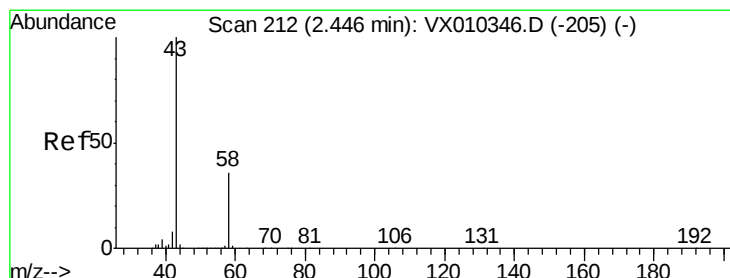
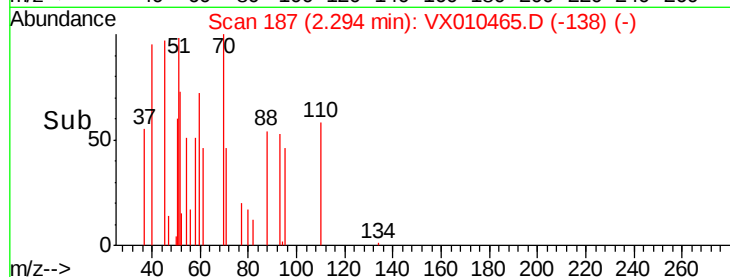
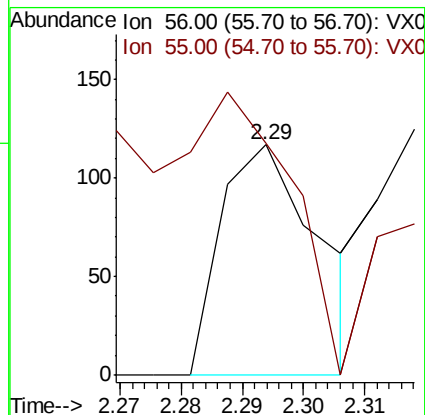
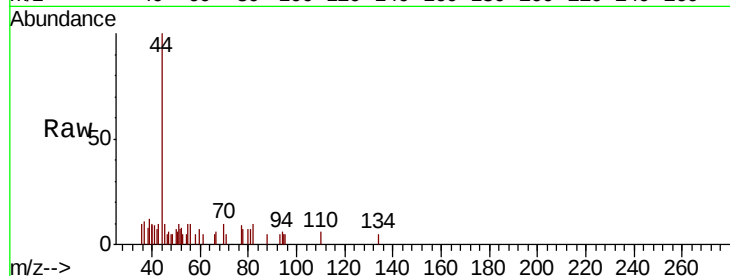
CPA-CPMW09S-M24W1-062219

Tot Ion: 56 Resp: 129

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



#16

Acetone

Concen: 3.853 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010465.D

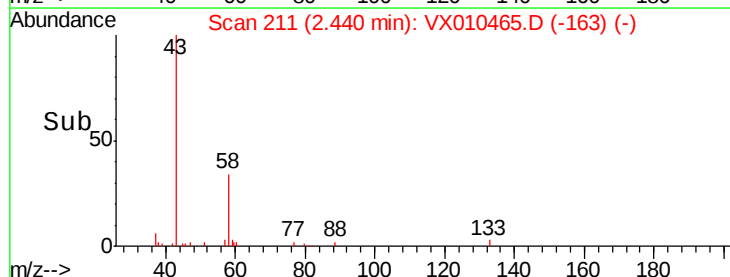
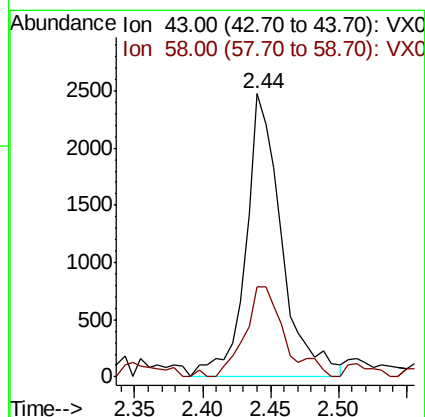
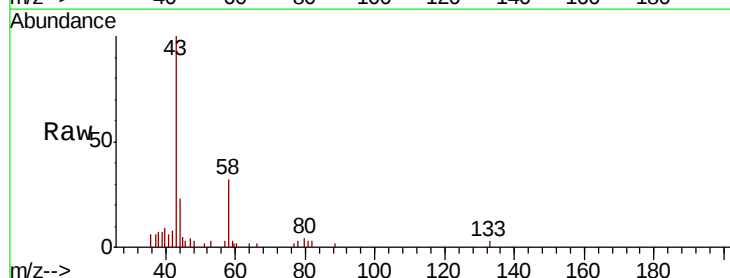
Acq: 26 Jun 2019 16:09

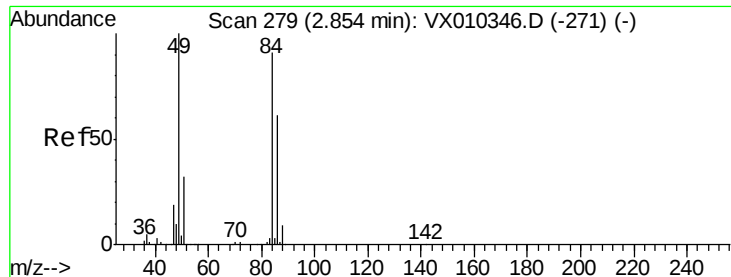
Tgt Ion: 43 Resp: 4561

Ion Ratio Lower Upper

43 100

58 31.9 28.9 43.3





#20

Methylene Chloride

Concen: 0.201 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX010465.D

Acq: 26 Jun 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW09S-M24W1-062219

Tot Ion: 84 Resp: 490

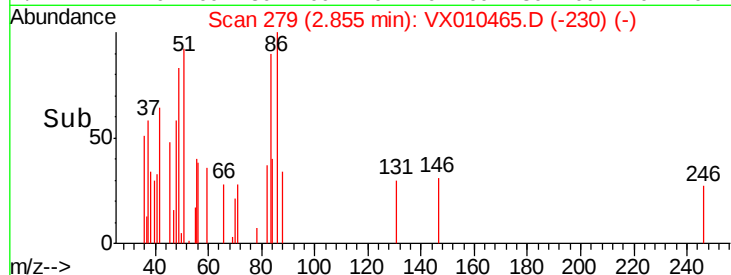
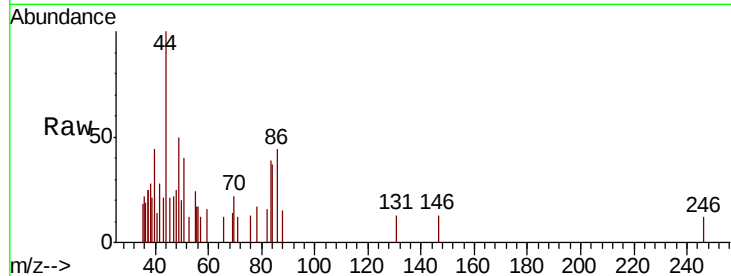
Ion Ratio Lower Upper

84 100

49 65.6 87.5 131.3#

51 52.8 27.7 41.5#

86 57.6 53.4 80.0

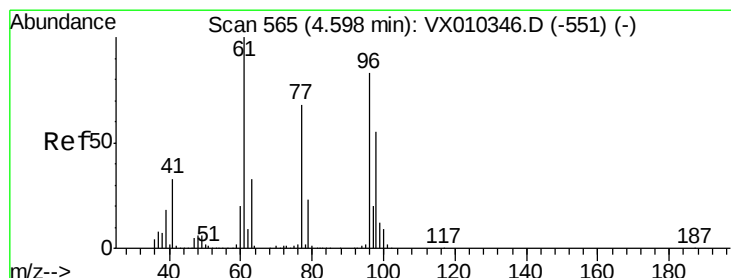
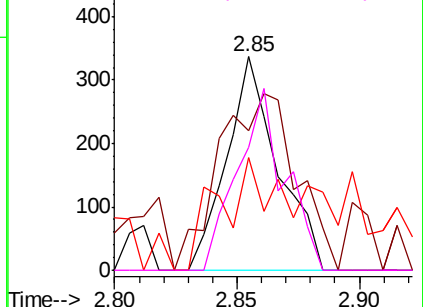


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.495 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX010465.D

Acq: 26 Jun 2019 16:09

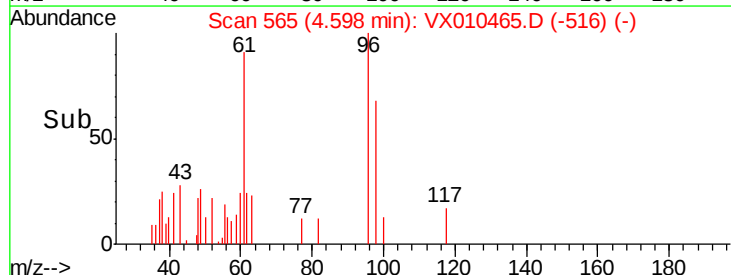
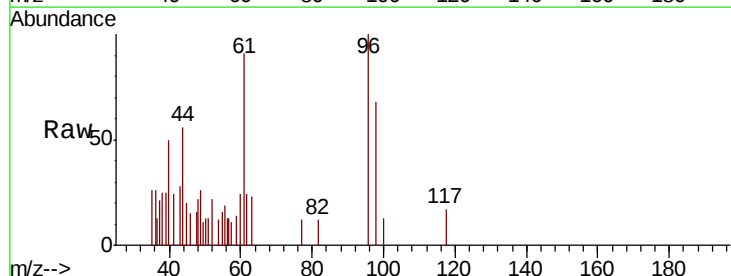
Tgt Ion: 96 Resp: 1344

Ion Ratio Lower Upper

96 100

61 110.9 0.0 251.8

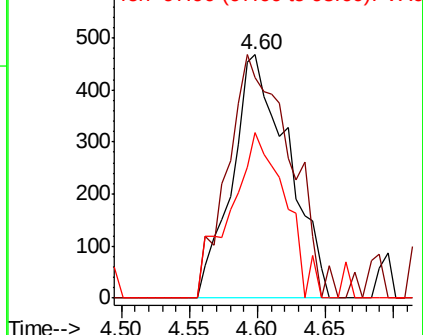
98 67.4 0.0 129.4

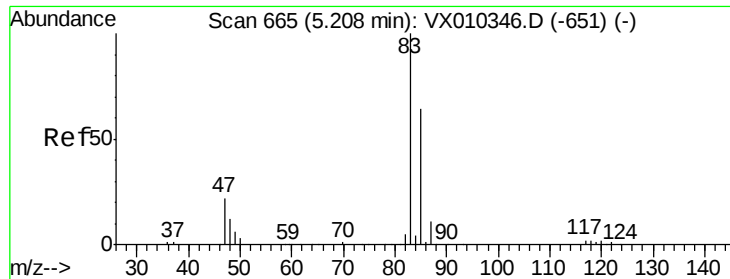


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

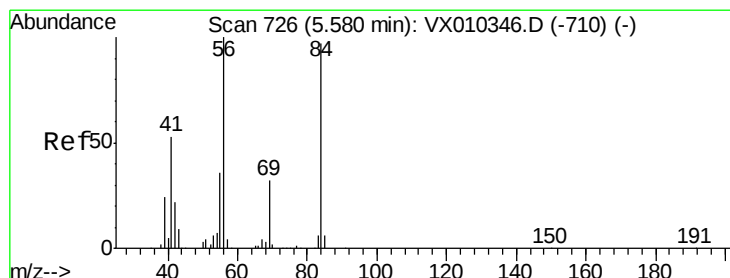
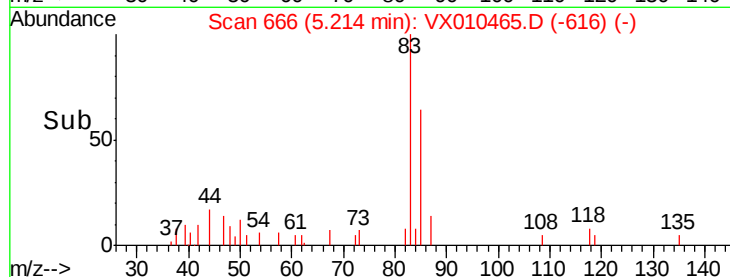
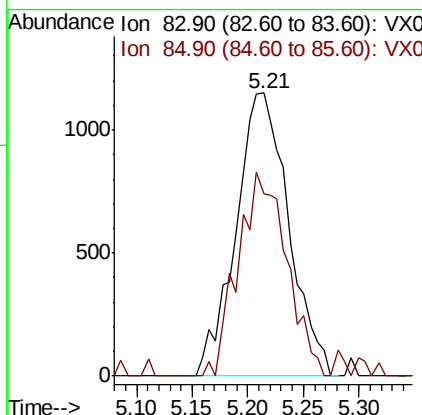
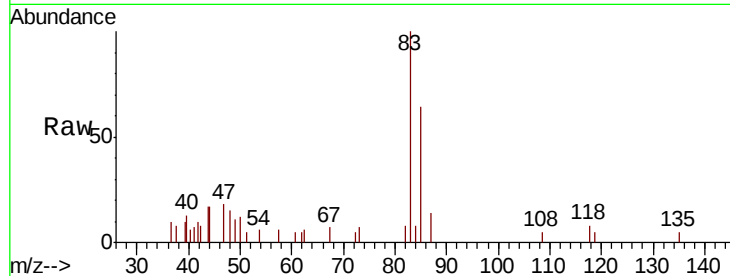




#30
Chloroform
Concen: 0.942 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX010465.D
Acq: 26 Jun 2019 16:09

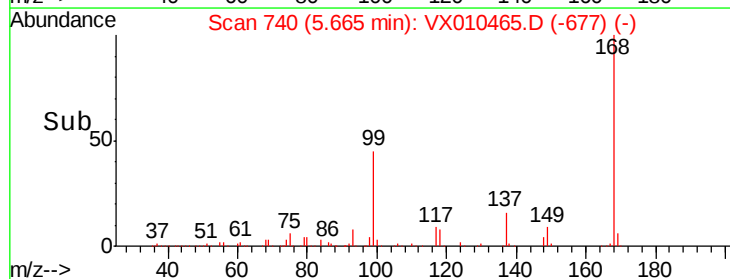
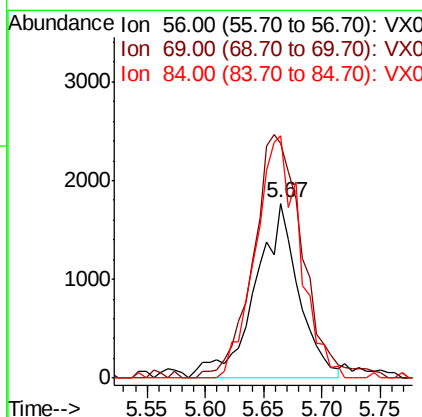
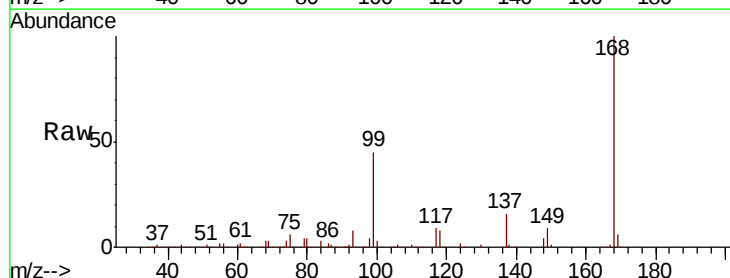
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW09S-M24W1-062219

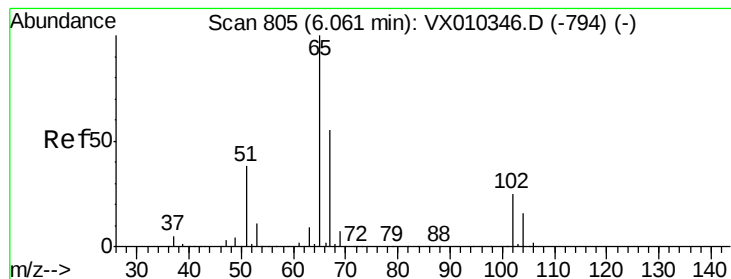
Tot Ion: 83 Resp: 3797
Ion Ratio Lower Upper
83 100
85 64.3 50.9 76.3



#31
Cyclohexane
Concen: 1.342 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX010465.D
Acq: 26 Jun 2019 16:09

Tgt Ion: 56 Resp: 4578
Ion Ratio Lower Upper
56 100
69 134.1 25.9 38.9#
84 138.6 78.0 117.0#





#33

1,2-Dichloroethane-d4

Concen: 50.154 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX010465.D

Acq: 26 Jun 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

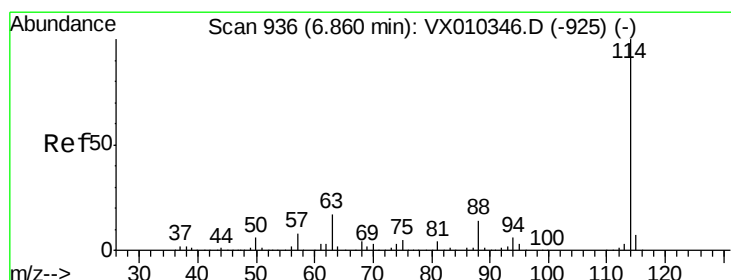
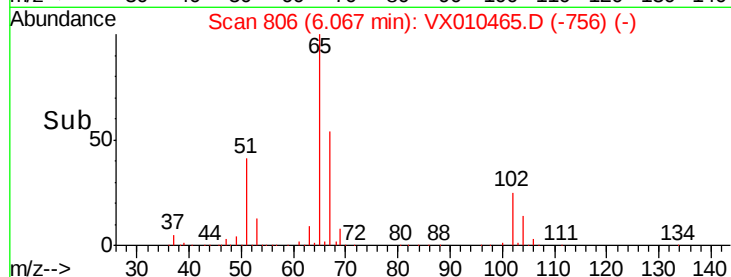
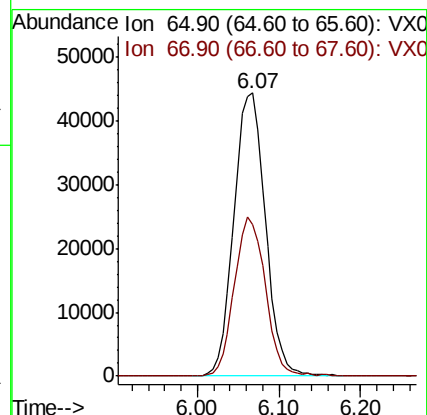
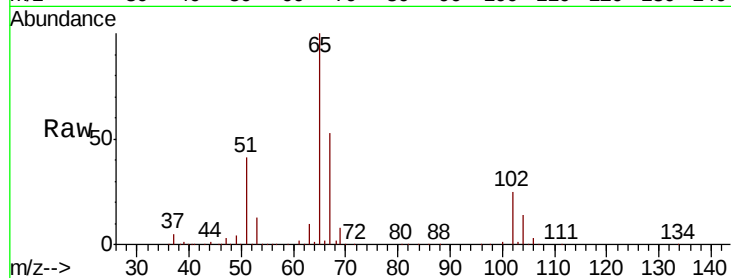
CPA-CPMW09S-M24W1-062219

Tot Ion: 65 Resp: 118469

Ion Ratio Lower Upper

65 100

67 55.6 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: VX010465.D

Acq: 26 Jun 2019 16:09

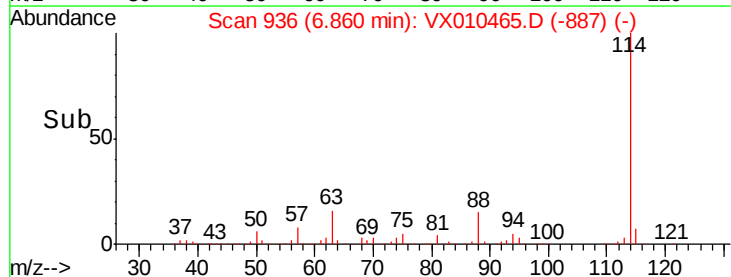
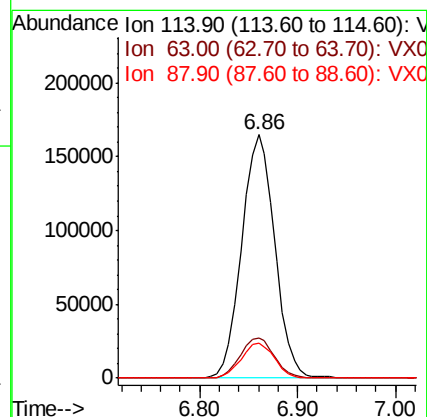
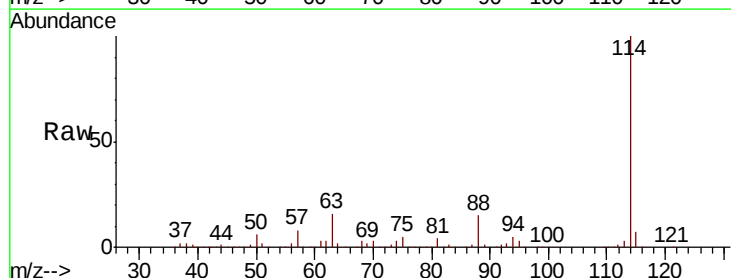
Tgt Ion: 114 Resp: 387237

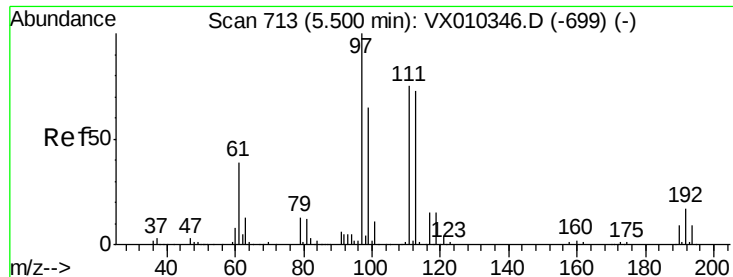
Ion Ratio Lower Upper

114 100

63 16.5 0.0 33.8

88 14.6 0.0 27.6

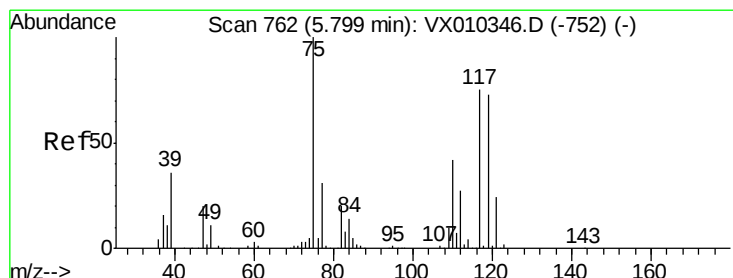
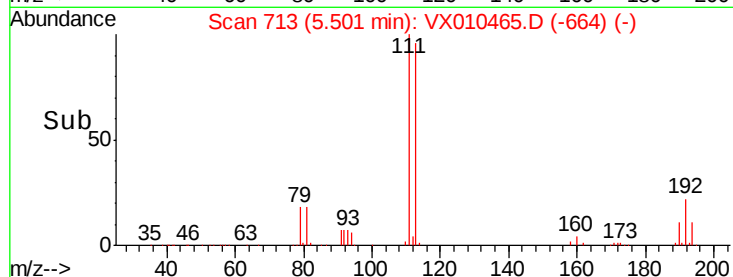
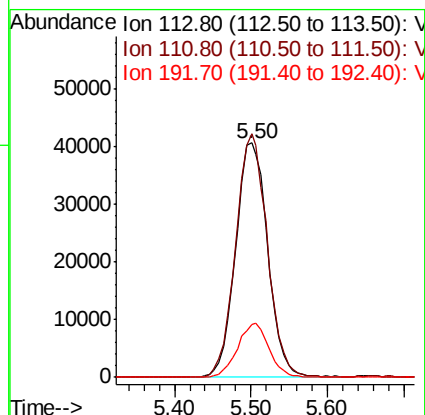
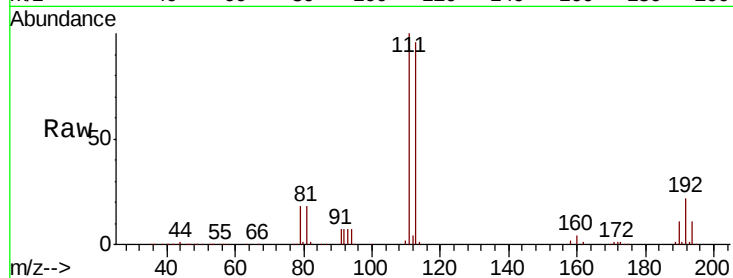




#35
 Dibromofluoromethane
 Concen: 50.069 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010465.D
 Acq: 26 Jun 2019 16:09

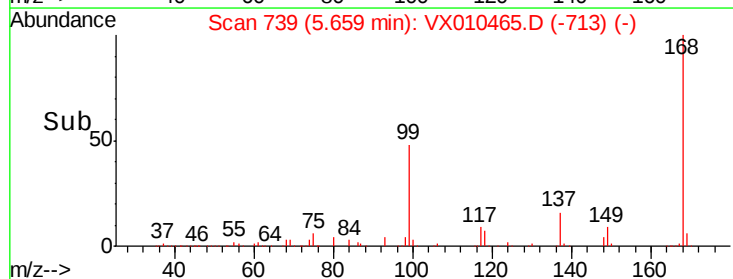
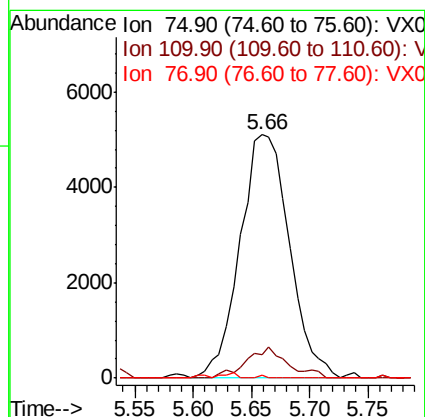
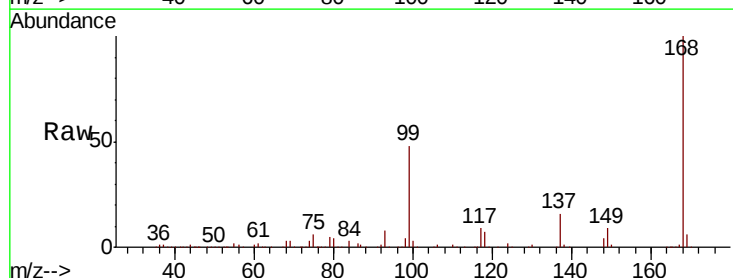
Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW09S-M24W1-062219

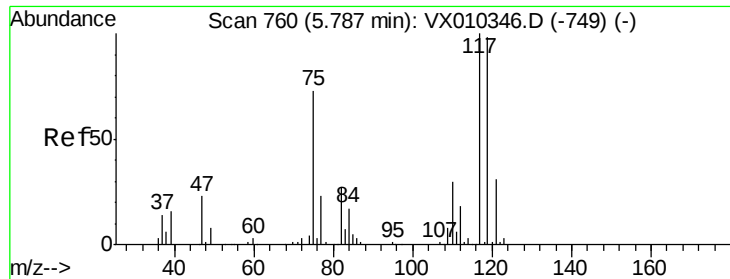
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.2	121.8
192	22.6	18.6	27.8



#36
 1,1-Dichloropropene
 Concen: 4.892 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010465.D
 Acq: 26 Jun 2019 16:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.8	20.8	62.2#
77	0.1	25.4	38.0#





#38

Carbon Tetrachloride

Concen: 6.568 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010465.D

Acq: 26 Jun 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW09S-M24W1-062219

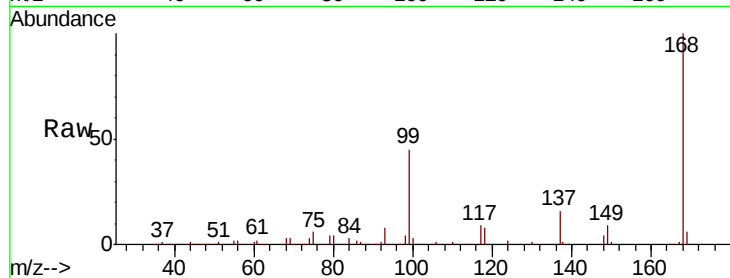
Tot Ion:117 Resp: 21885

Ion Ratio Lower Upper

117 100

119 5.2 78.2 117.4#

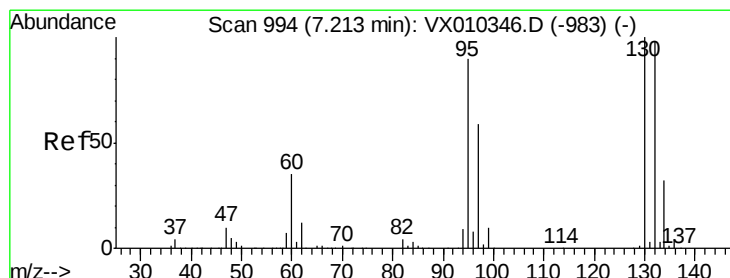
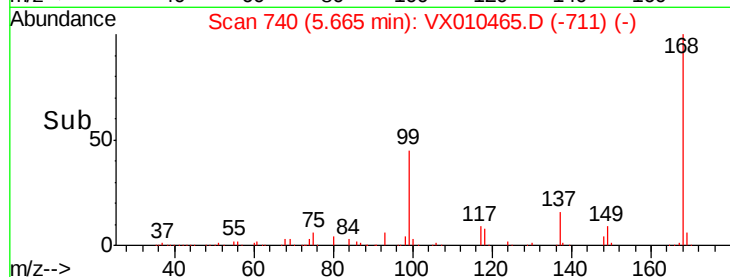
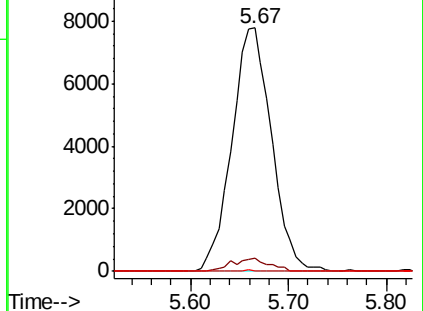
121 0.0 24.7 37.1#



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



#44

Trichloroethene

Concen: 0.334 ug/l

RT: 7.23 min Scan# 996

Delta R.T. 0.01 min

Lab File: VX010465.D

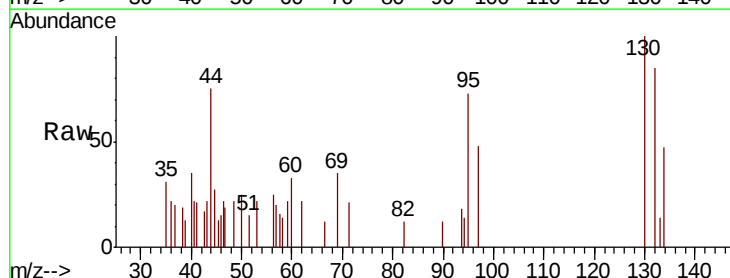
Acq: 26 Jun 2019 16:09

Tgt Ion:130 Resp: 958

Ion Ratio Lower Upper

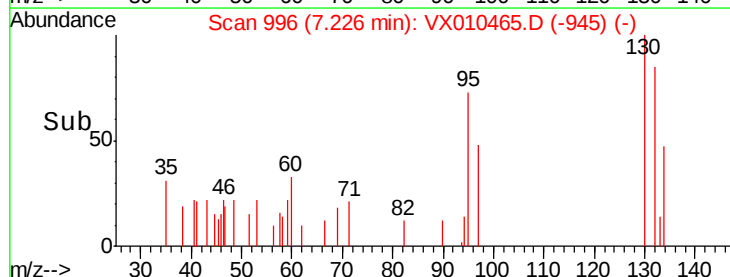
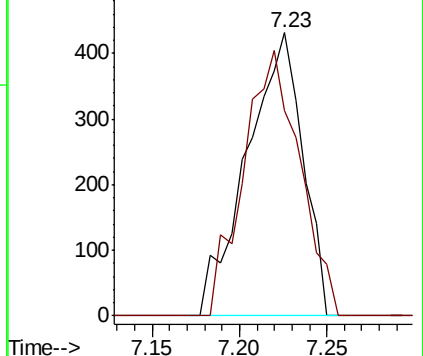
130 100

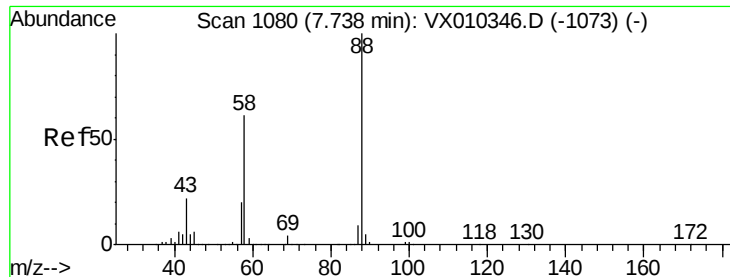
95 72.7 0.0 180.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

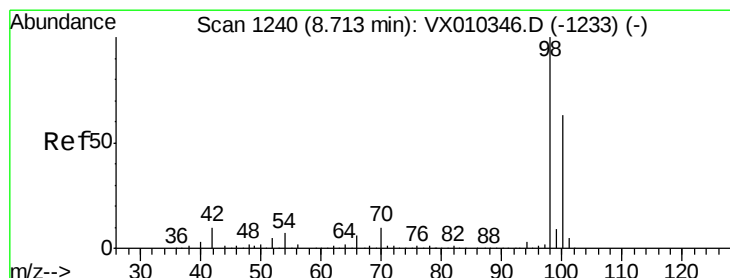
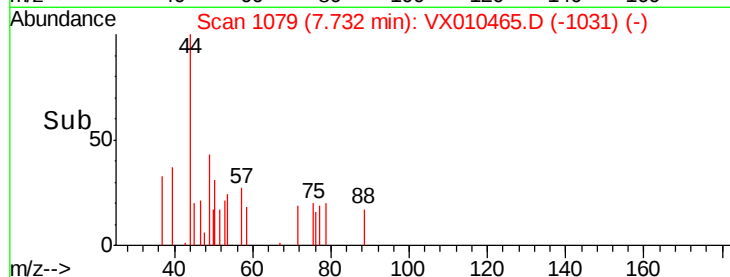
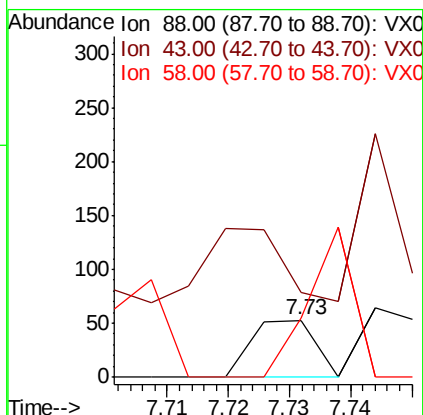
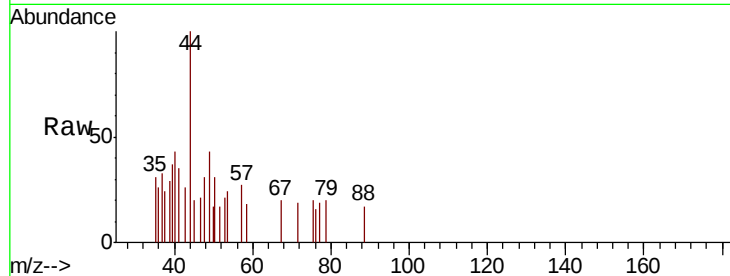




#49
1,4-Dioxane
Concen: 0.542 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX010465.D
Acq: 26 Jun 2019 16:09

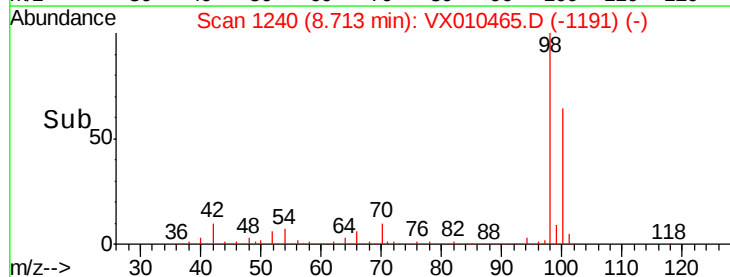
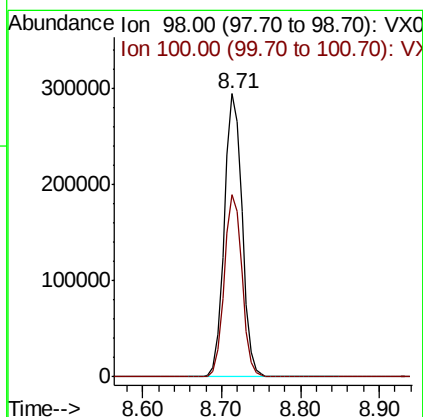
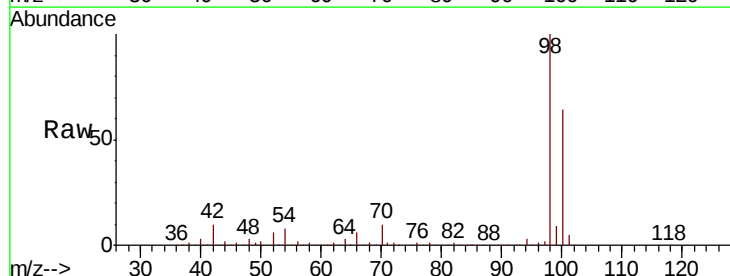
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW09S-M24W1-062219

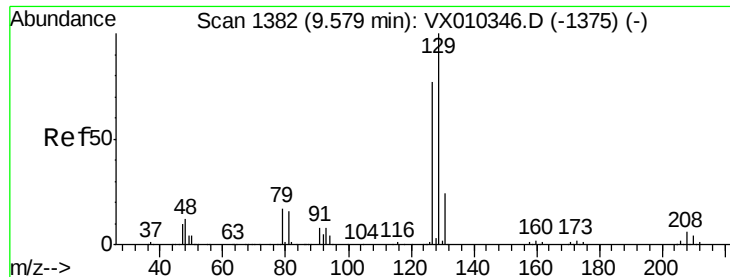
Tot Ion: 88 Resp: 38
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.2#
58 186.8 49.5 74.3#



#50
Toluene-d8
Concen: 50.987 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010465.D
Acq: 26 Jun 2019 16:09

Tgt Ion: 98 Resp: 462161
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4





#60

Dibromochloromethane

Concen: 13.258 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX010465.D

Acq: 26 Jun 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

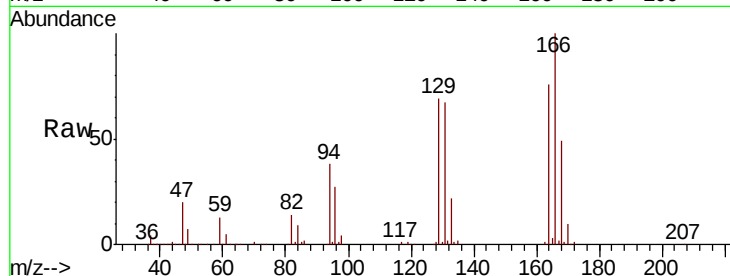
CPA-CPMW09S-M24W1-062219

Tot Ion:129 Resp: 38652

Ion Ratio Lower Upper

129 100

127 0.2 38.4 115.1#

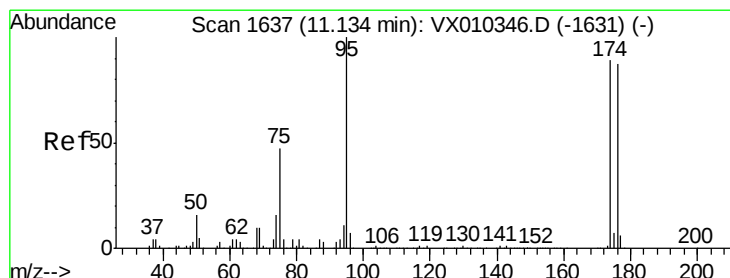
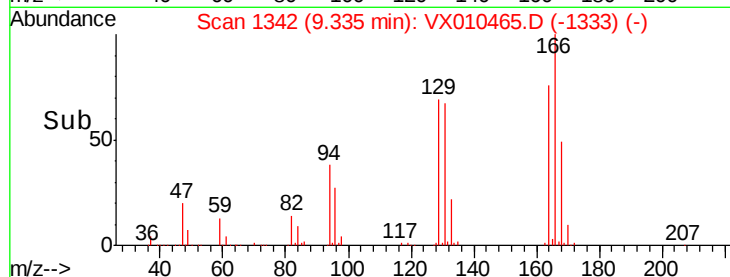


Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.34

Time-->



#62

4-Bromofluorobenzene

Concen: 47.757 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010465.D

Acq: 26 Jun 2019 16:09

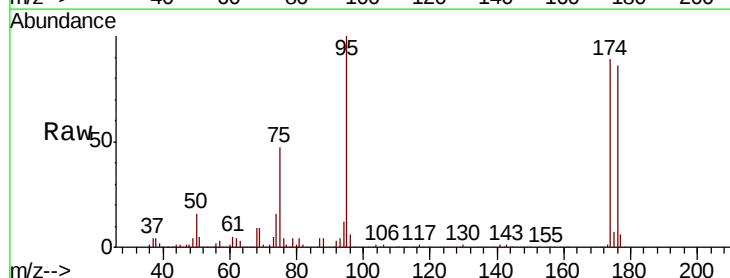
Tgt Ion: 95 Resp: 156282

Ion Ratio Lower Upper

95 100

174 95.4 0.0 187.6

176 92.3 0.0 184.0



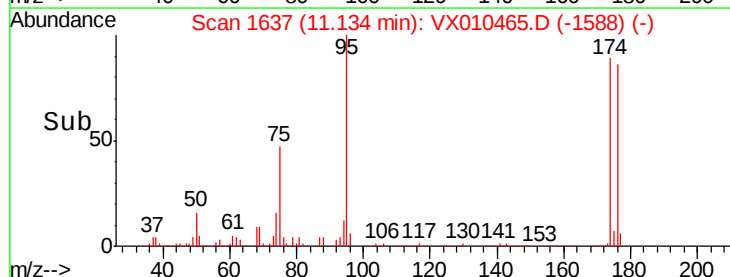
Abundance Ion 94.90 (94.60 to 95.60): VX0

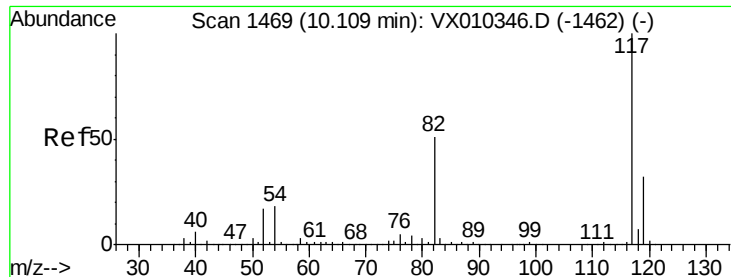
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

Time-->

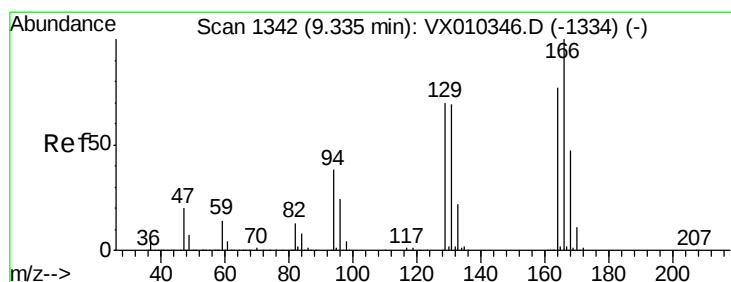
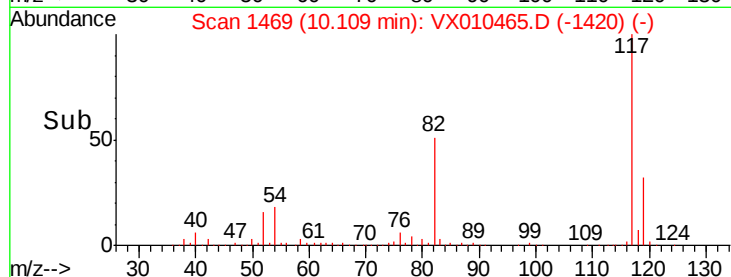
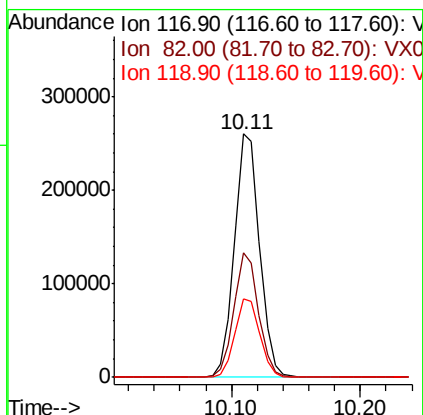
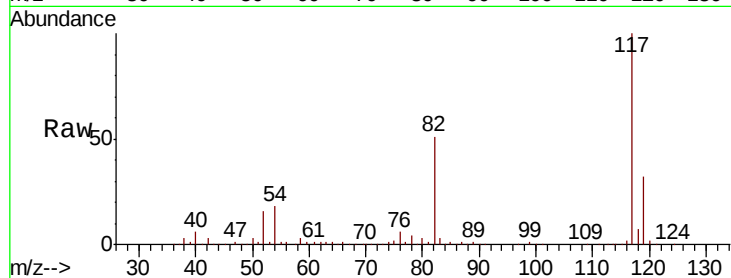




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010465.D
Acq: 26 Jun 2019 16:09

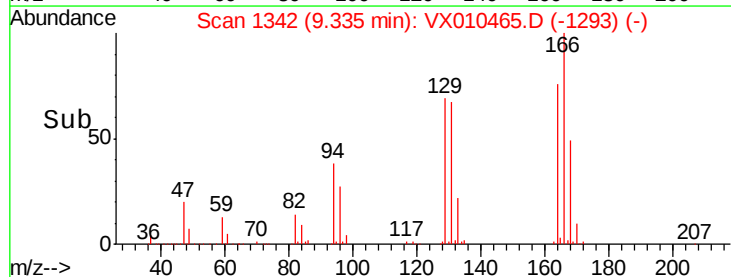
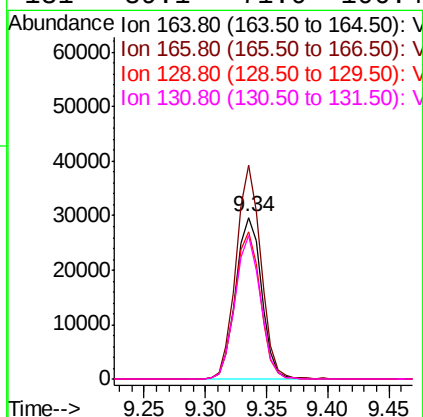
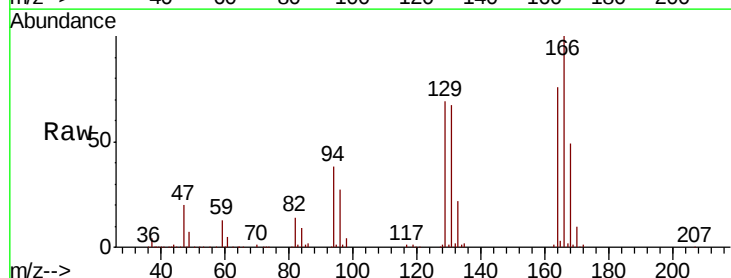
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW09S-M24W1-062219

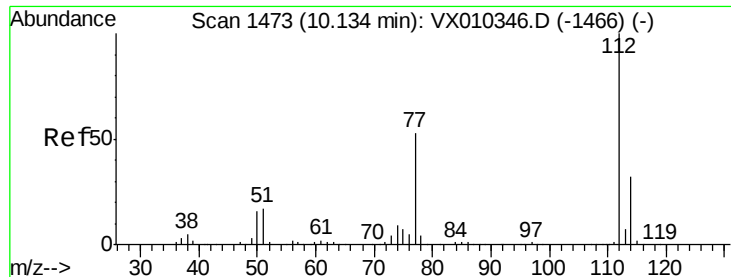
Tot Ion:117 Resp: 355497
Ion Ratio Lower Upper
117 100
82 51.0 41.2 61.8
119 32.3 25.5 38.3



#64
Tetrachloroethene
Concen: 15.046 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010465.D
Acq: 26 Jun 2019 16:09

Tgt Ion:164 Resp: 43264
Ion Ratio Lower Upper
164 100
166 132.4 103.6 155.4
129 91.4 73.0 109.4
131 89.1 71.0 106.4





#65

Chlorobenzene

Concen: 0.265 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX010465.D

Acq: 26 Jun 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

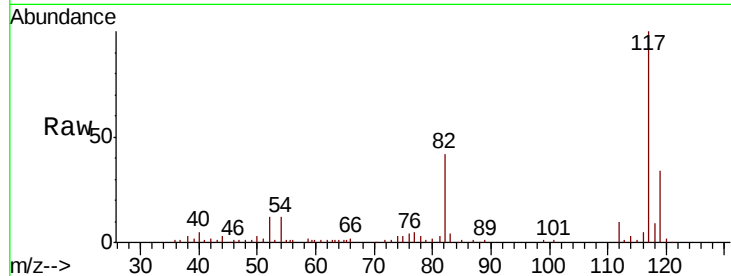
CPA-CPMW09S-M24W1-062219

Tot Ion:112 Resp: 1915

Ion Ratio Lower Upper

112 100

114 30.7 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

1500

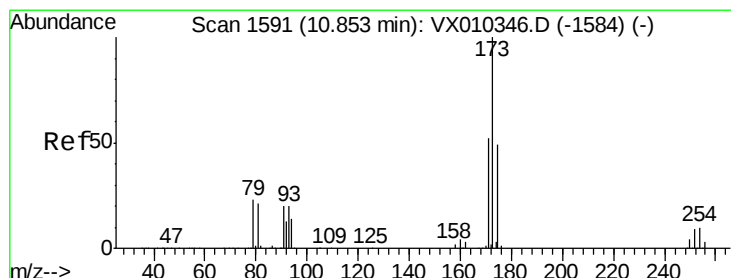
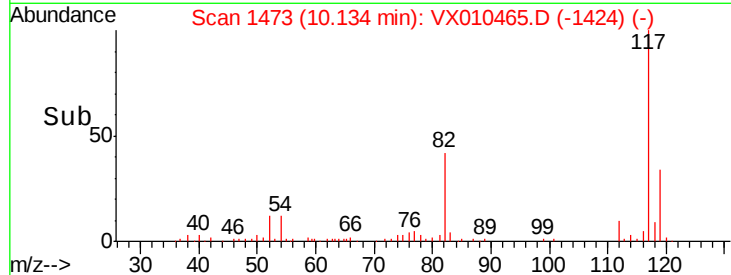
1000

500

0

10.05 10.10 10.15

Time-->



#71

Bromoform

Concen: 0.309 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.01 min

Lab File: VX010465.D

Acq: 26 Jun 2019 16:09

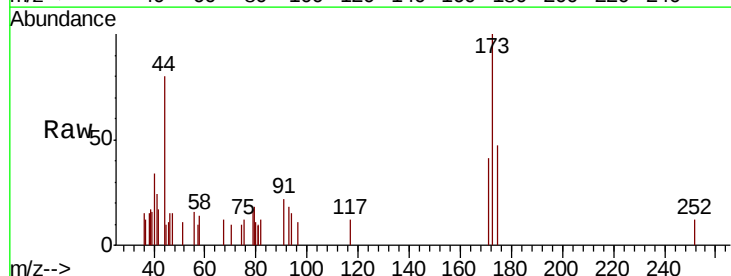
Tgt Ion:173 Resp: 707

Ion Ratio Lower Upper

173 100

175 49.5 24.1 72.3

254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

600

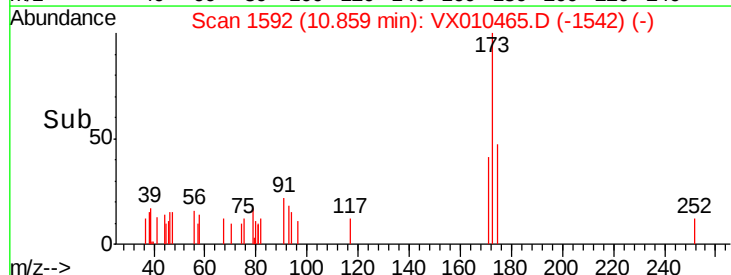
400

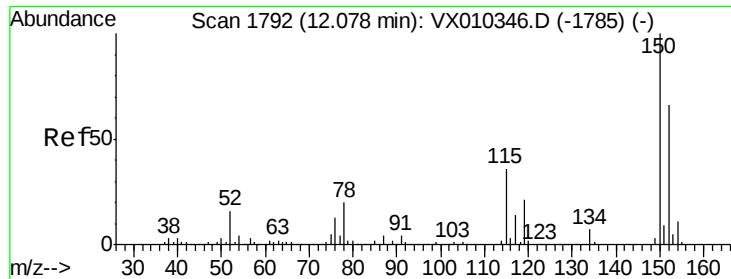
200

0

10.80 10.85 10.90

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010465.D

Acq: 26 Jun 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW09S-M24W1-062219

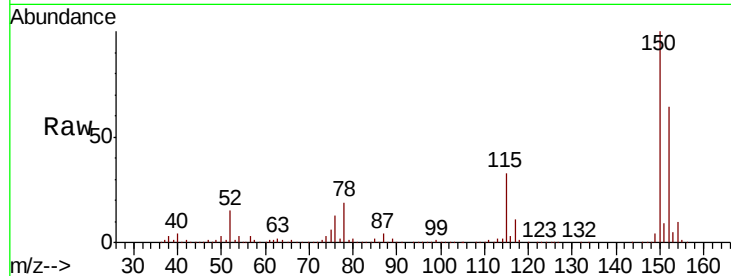
Tot Ion:152 Resp: 167762

Ion Ratio Lower Upper

152 100

115 53.9 38.6 115.7

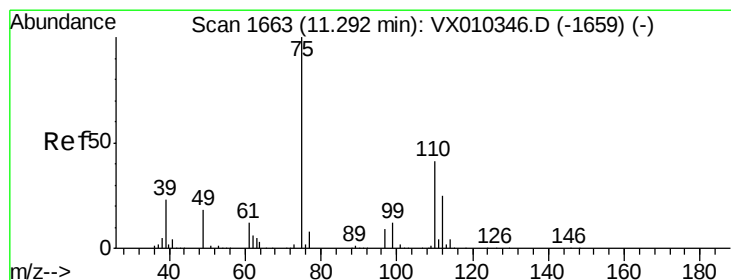
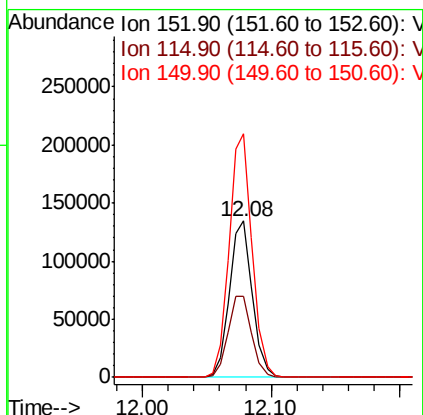
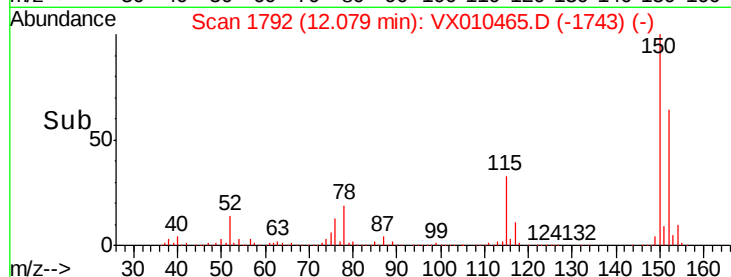
150 156.3 0.0 347.4



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: 24.397 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010465.D

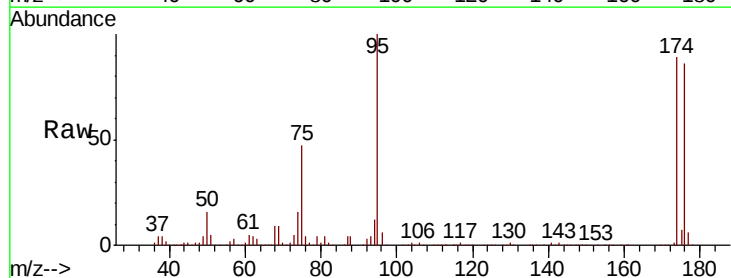
Acq: 26 Jun 2019 16:09

Tgt Ion: 75 Resp: 74582

Ion Ratio Lower Upper

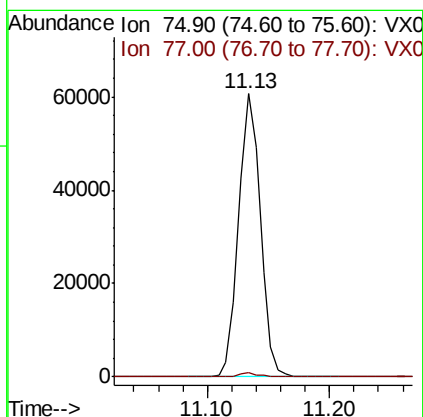
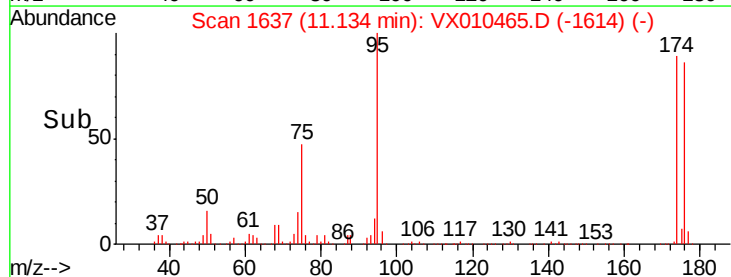
75 100

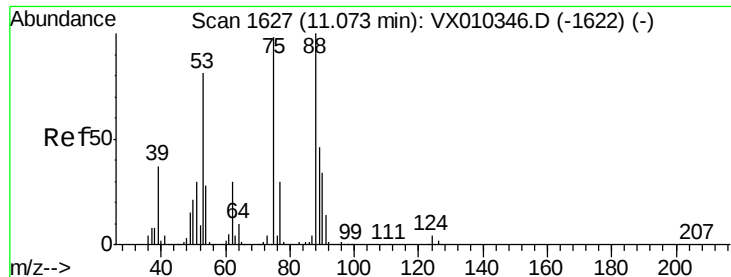
77 1.3 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 56.915 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010465.D

Acq: 26 Jun 2019 16:09

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW09S-M24W1-062219

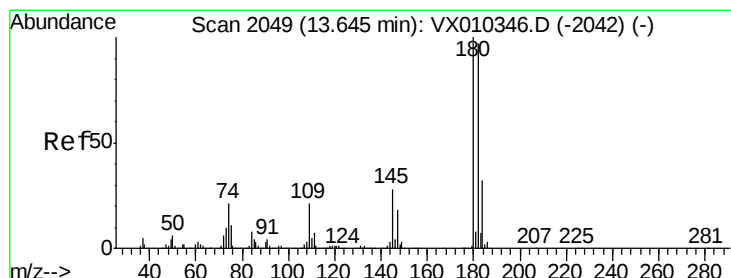
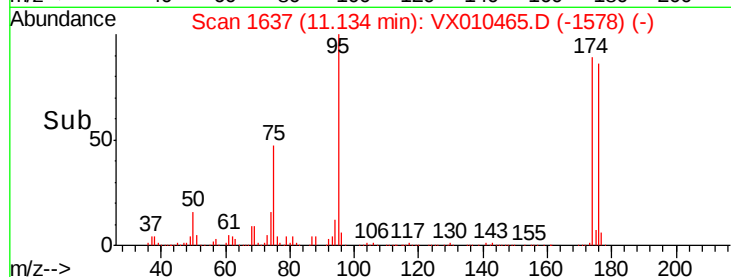
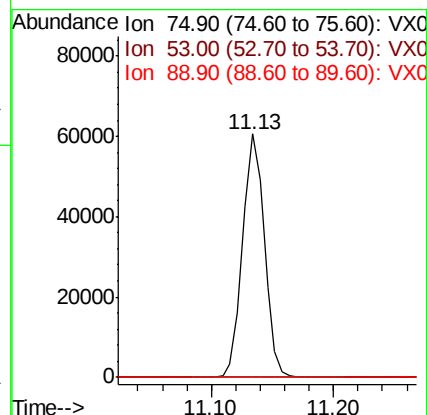
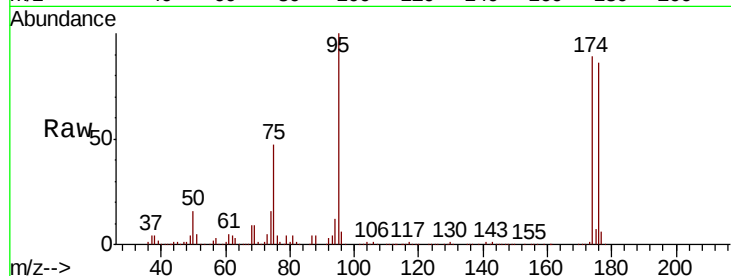
Tot Ion: 75 Resp: 74582

Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

89 0.0 37.8 56.6#



#93

1,2,4-Trichlorobenzene

Concen: 0.450 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX010465.D

Acq: 26 Jun 2019 16:09

Tgt Ion: 180 Resp: 1719

Ion Ratio Lower Upper

180 100

182 92.8 48.0 144.0

145 31.9 14.4 43.4

