

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX062619\
 Data File : VX010470.D
 Acq On : 26 Jun 2019 18:06
 Operator : JC/SP
 Sample : K3527-16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW11S-M24W1-062219

Quant Time: Jun 27 01:14:35 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	258159	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	400962	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	363915	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	167627	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	124162	51.30	ug/l	0.00
Spiked Amount			Recovery	=	102.60%	
35) Dibromofluoromethane	5.50	113	123866	50.49	ug/l	0.00
Spiked Amount			Recovery	=	100.98%	
50) Toluene-d8	8.71	98	472557	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
62) 4-Bromofluorobenzene	11.13	95	156755	46.26	ug/l	0.00
Spiked Amount			Recovery	=	92.52%	

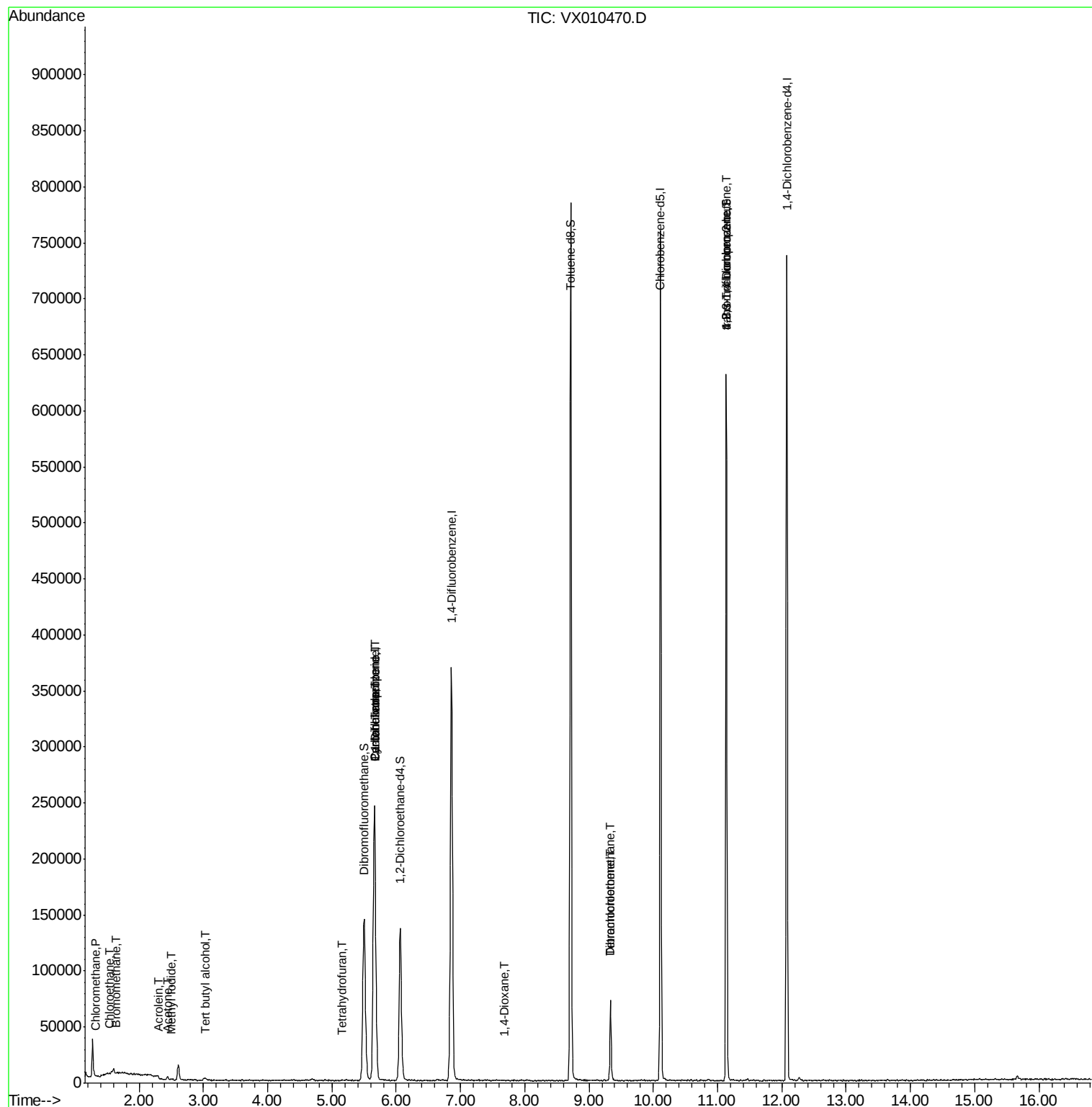
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	542	0.259	ug/l #	85
5) Bromomethane	1.64	94	235	0.211	ug/l #	54
6) Chloroethane	1.54	64	4226	3.129	ug/l #	44
10) Methyl Iodide	2.51	142	736	0.235	ug/l #	94
11) Tert butyl alcohol	3.03	59	1780	2.810	ug/l	95
13) Acrolein	2.29	56	348	0.828	ug/l #	47
16) Acetone	2.45	43	3400	2.803	ug/l	98
29) Tetrahydrofuran	5.17	42	312	0.283	ug/l #	54
31) Cyclohexane	5.66	56	4518	1.292	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	16028	5.030	ug/l #	48
38) Carbon Tetrachloride	5.66	117	22833	6.618	ug/l #	15
49) 1,4-Dioxane	7.68	88	25	0.344	ug/l #	1
60) Dibromochloromethane	9.34	129	13368	4.428	ug/l #	11
64) Tetrachloroethene	9.34	164	13944	4.737	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	74517	24.395	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	74517	56.911	ug/l #	16

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010470.D

Acq: 26 Jun 2019 18:06

Instrument :

MSVOA_X

ClientSampleId :

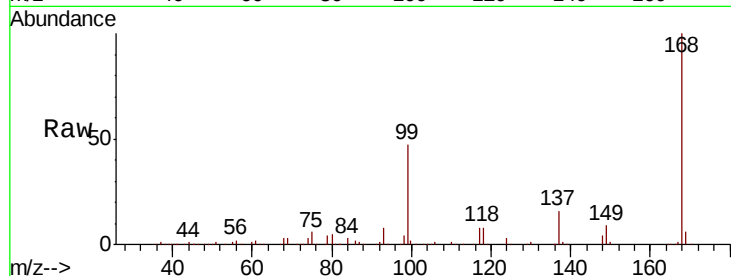
CPA-CPMW11S-M24W1-062219

Tot Ion:168 Resp: 258159

Ion Ratio Lower Upper

168 100

99 47.3 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

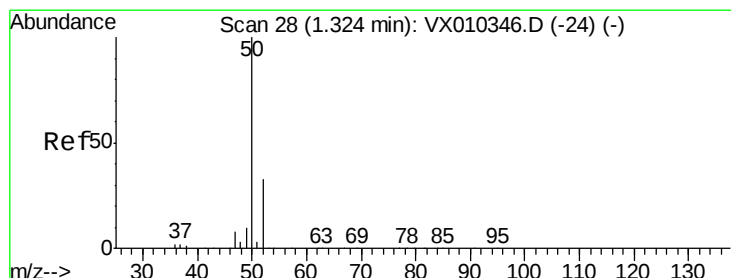
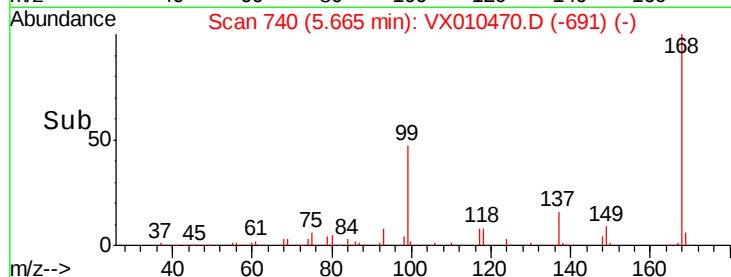
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.259 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010470.D

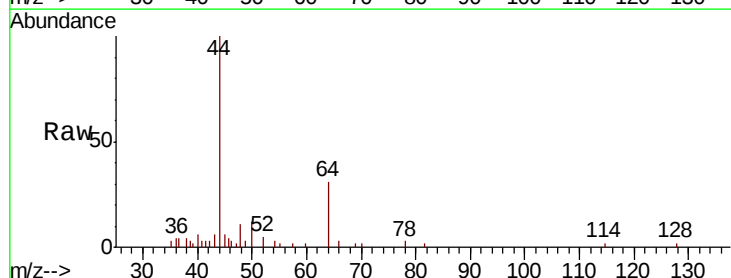
Acq: 26 Jun 2019 18:06

Tgt Ion: 50 Resp: 542

Ion Ratio Lower Upper

50 100

52 41.8 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

500

400

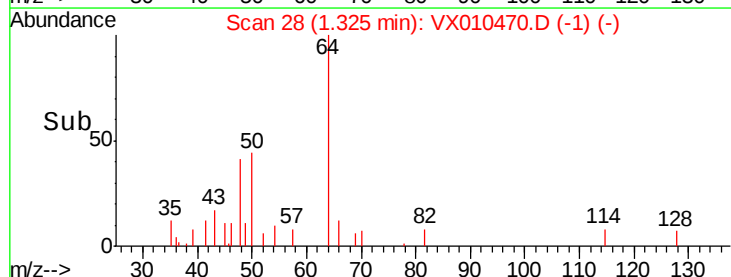
300

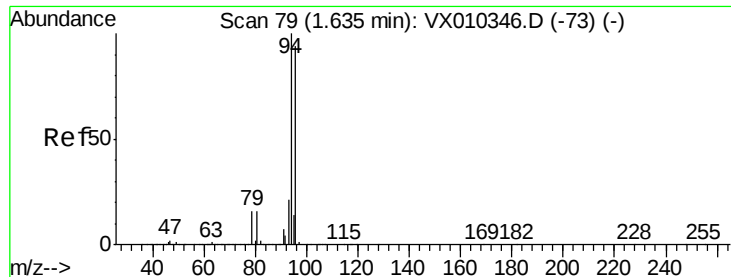
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.211 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX010470.D

Acq: 26 Jun 2019 18:06

Instrument :

MSVOA_X

ClientSampleId :

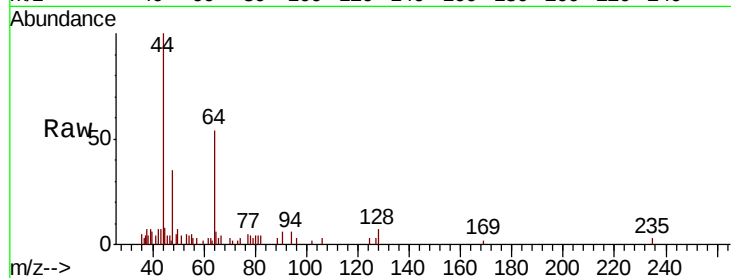
CPA-CPMW11S-M24W1-062219

Tot Ion: 94 Resp: 235

Ion Ratio Lower Upper

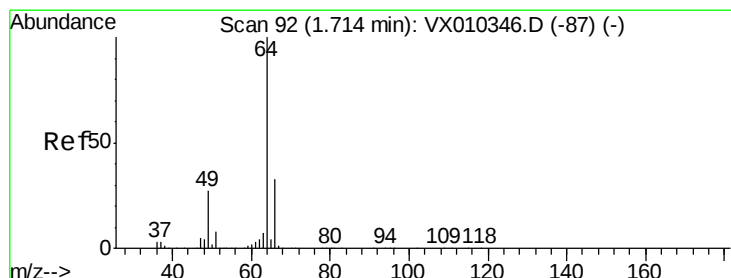
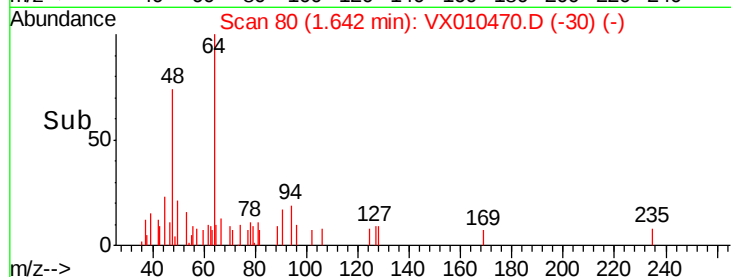
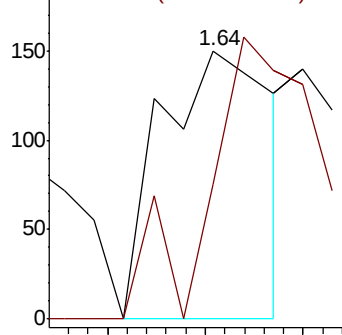
94 100

96 50.0 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 3.129 ug/l

RT: 1.54 min Scan# 63

Delta R.T. -0.18 min

Lab File: VX010470.D

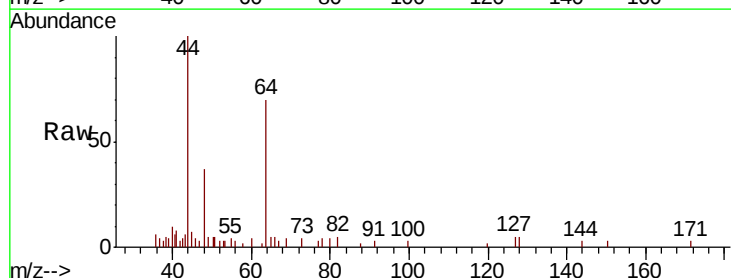
Acq: 26 Jun 2019 18:06

Tgt Ion: 64 Resp: 4226

Ion Ratio Lower Upper

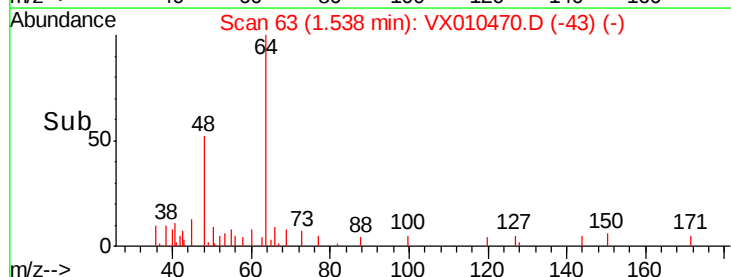
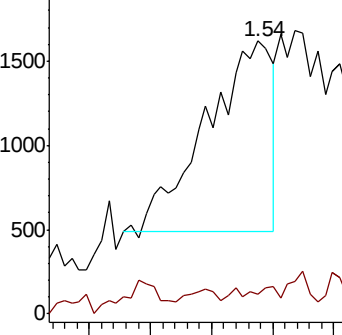
64 100

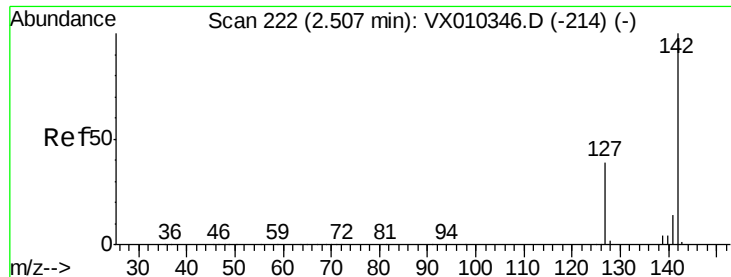
66 1.6 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

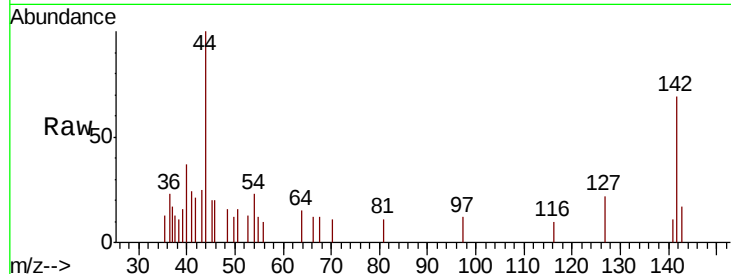




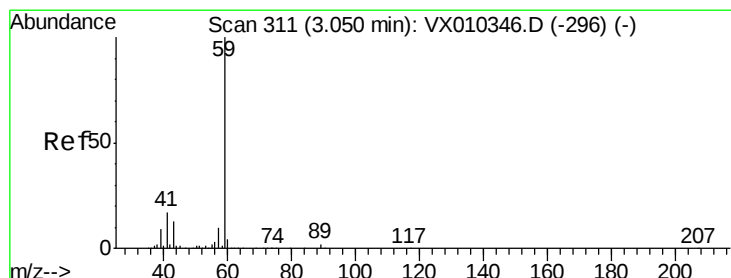
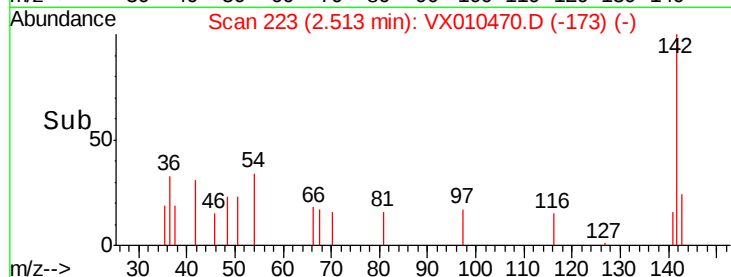
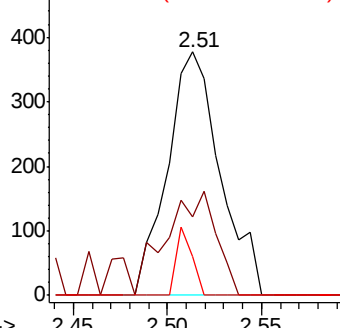
#10
Methvl Iodide
Concen: 0.235 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX010470.D
Acq: 26 Jun 2019 18:06

Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW11S-M24W1-062219

Tot Ion:142 Resp: 736
Ion Ratio Lower Upper
142 100
127 40.6 31.1 46.7
141 8.2 11.2 16.8#

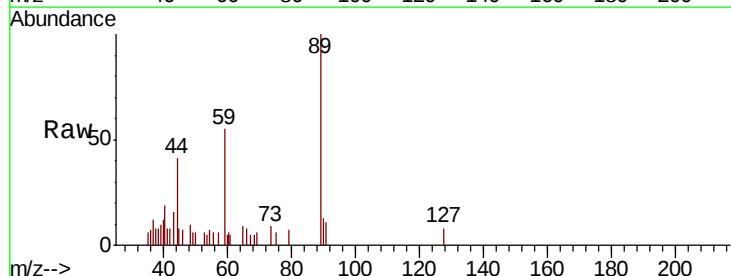


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

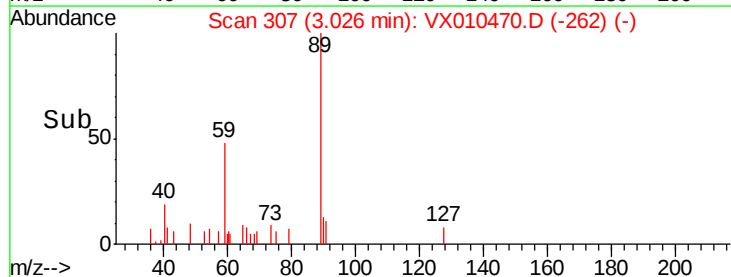
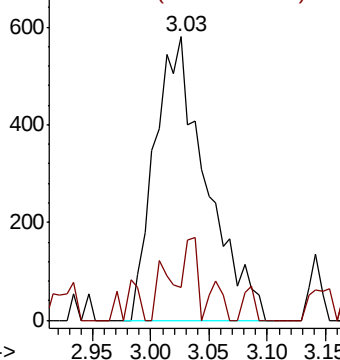


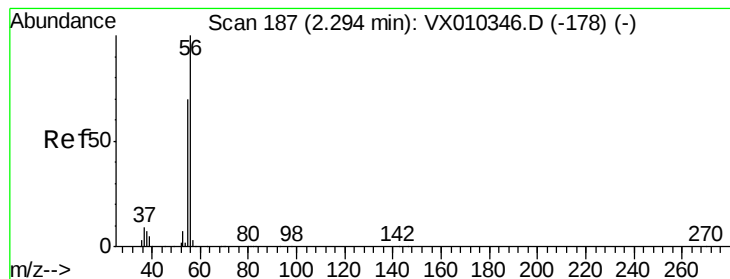
#11
Tert butyl alcohol
Concen: 2.810 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX010470.D
Acq: 26 Jun 2019 18:06

Tgt Ion: 59 Resp: 1780
Ion Ratio Lower Upper
59 100
57 7.9 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: 0.828 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX010470.D

Acq: 26 Jun 2019 18:06

Instrument :

MSVOA_X

ClientSampleId :

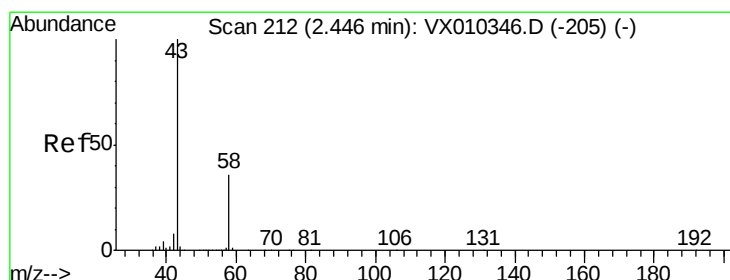
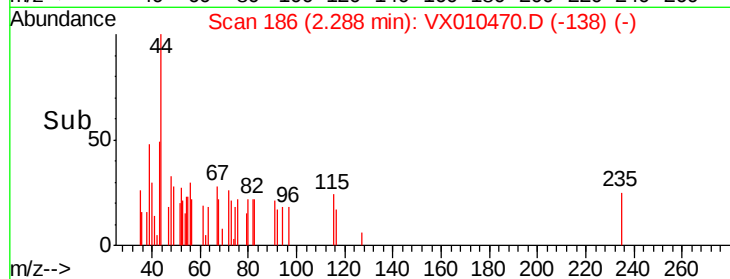
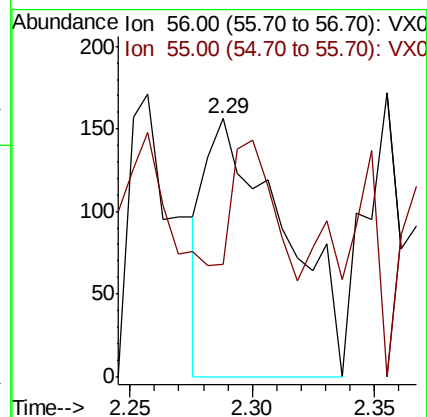
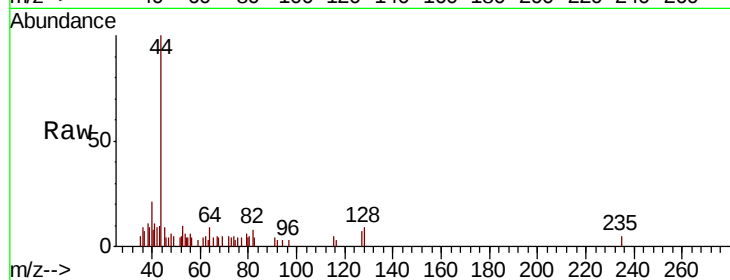
CPA-CPMW11S-M24W1-062219

Tot Ion: 56 Resp: 348

Ion Ratio Lower Upper

56 100

55 27.3 56.9 85.3#



#16

Acetone

Concen: 2.803 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010470.D

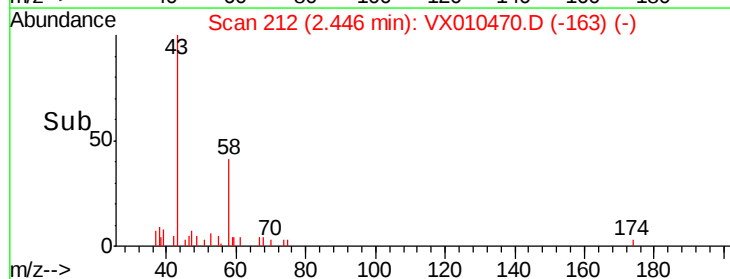
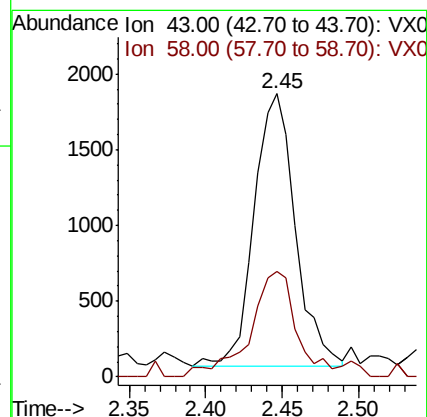
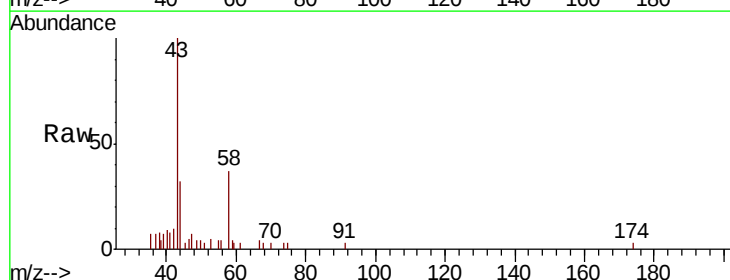
Acq: 26 Jun 2019 18:06

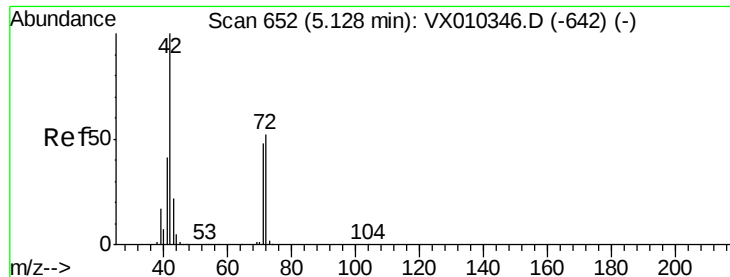
Tgt Ion: 43 Resp: 3400

Ion Ratio Lower Upper

43 100

58 35.1 28.9 43.3

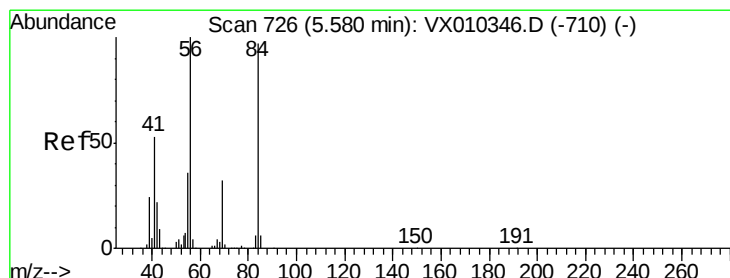
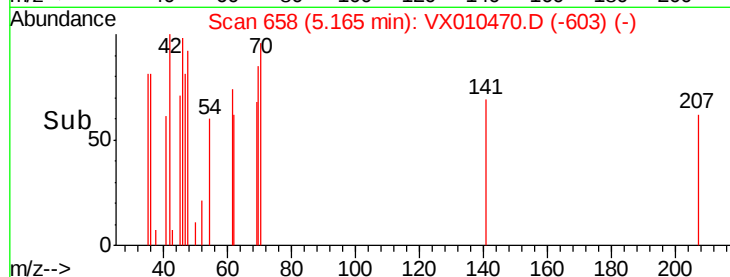
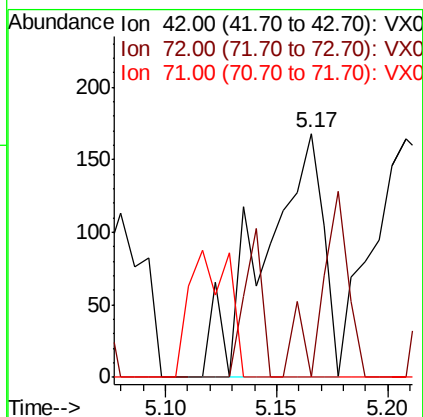
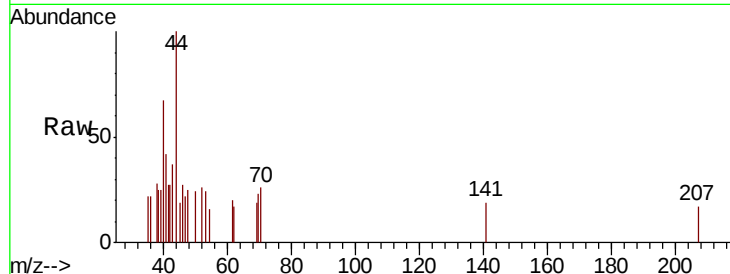




#29
Tetrahydrofuran
Concen: 0.283 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.04 min
Lab File: VX010470.D
Acq: 26 Jun 2019 18:06

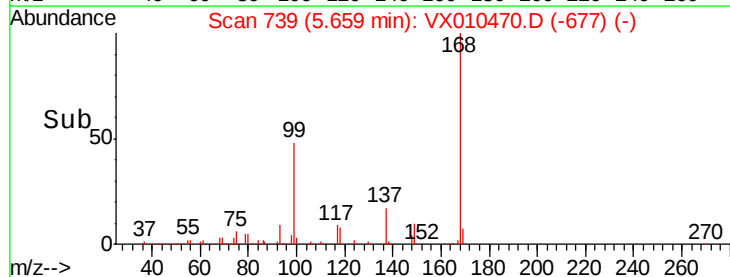
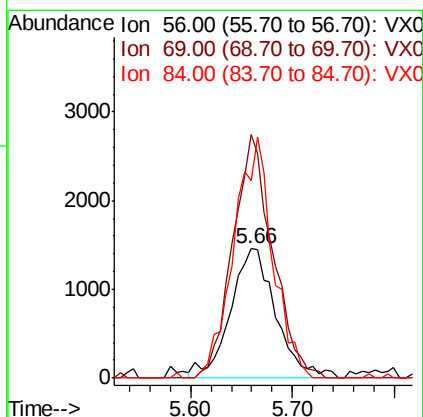
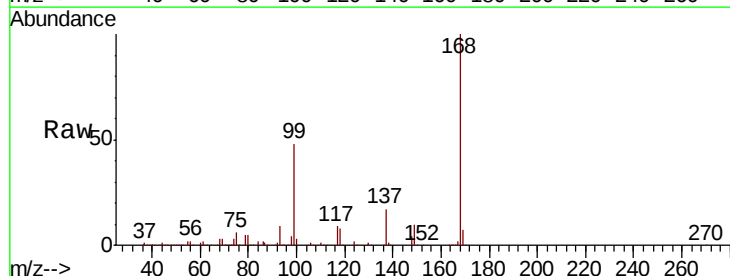
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW11S-M24W1-062219

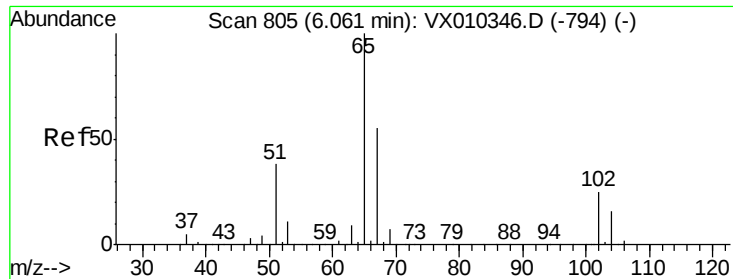
Tot Ion: 42 Resp: 312
Ion Ratio Lower Upper
42 100
72 35.3 40.6 60.8#
71 0.0 37.8 56.8#



#31
Cyclohexane
Concen: 1.292 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX010470.D
Acq: 26 Jun 2019 18:06

Tgt Ion: 56 Resp: 4518
Ion Ratio Lower Upper
56 100
69 188.1 25.9 38.9#
84 152.5 78.0 117.0#

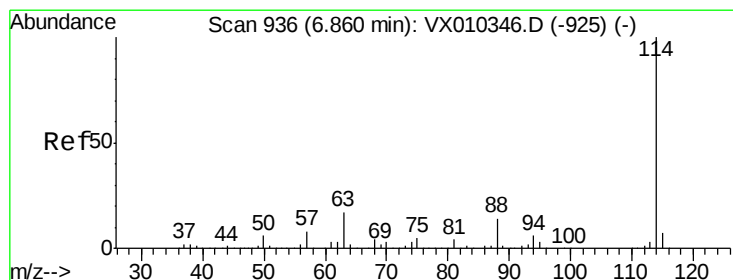
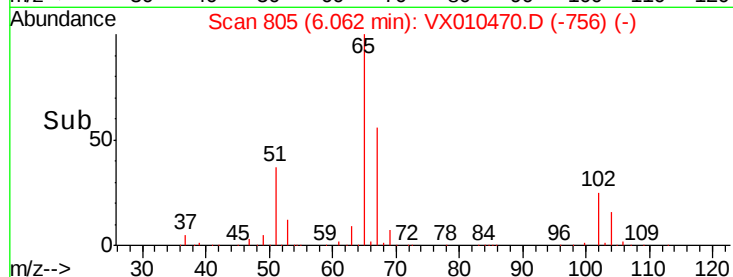
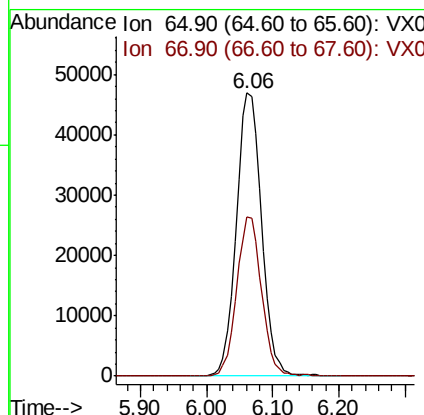
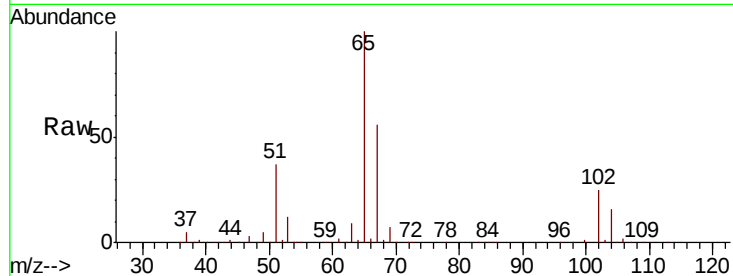




#33
 1,2-Dichloroethane-d4
 Concen: 51.296 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010470.D
 Acq: 26 Jun 2019 18:06

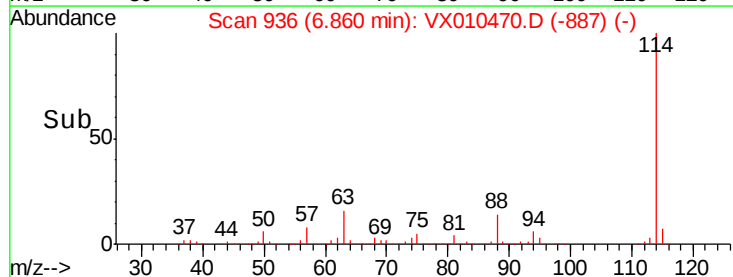
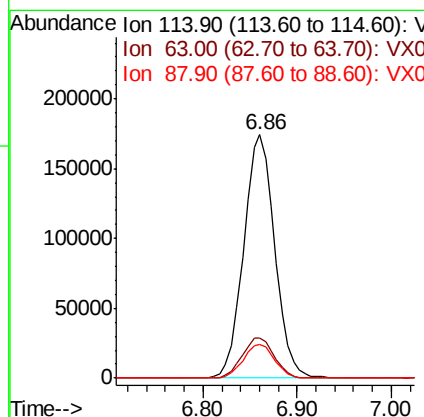
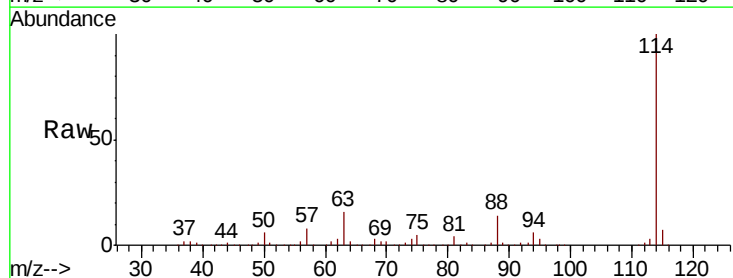
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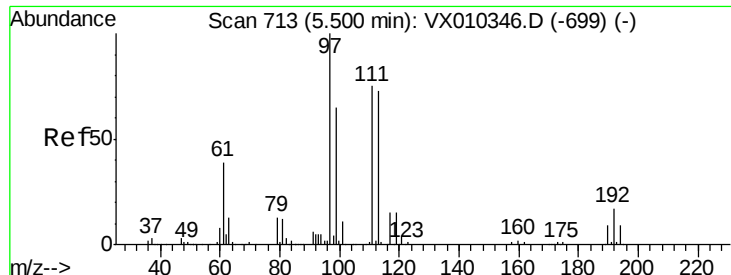
Tot Ion: 65 Resp: 124162
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010470.D
 Acq: 26 Jun 2019 18:06

Tgt Ion: 114 Resp: 400962
 Ion Ratio Lower Upper
 114 100
 63 16.4 0.0 33.8
 88 13.7 0.0 27.6

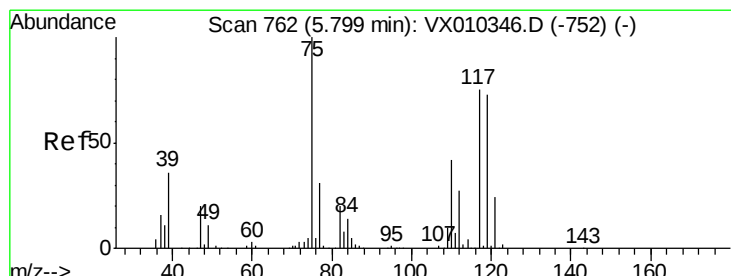
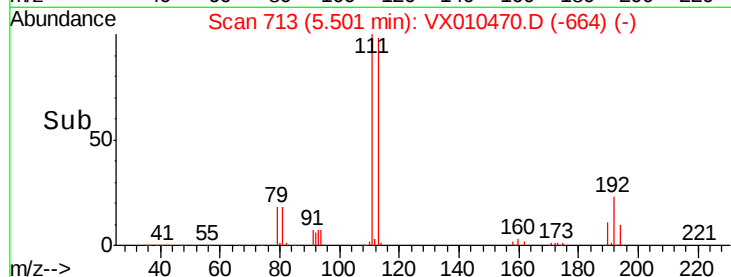
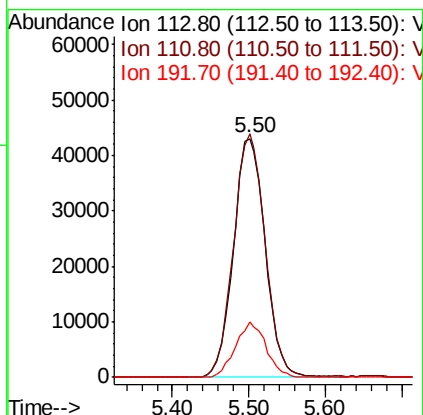
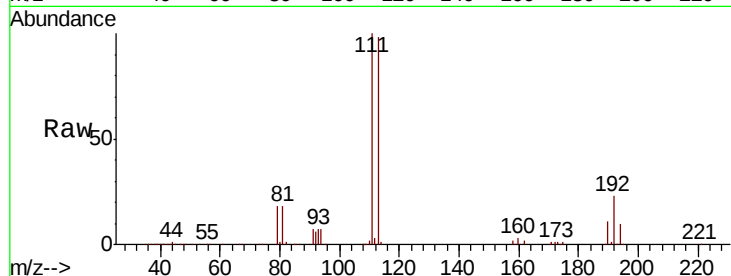




#35
 Dibromofluoromethane
 Concen: 50.491 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010470.D
 Acq: 26 Jun 2019 18:06

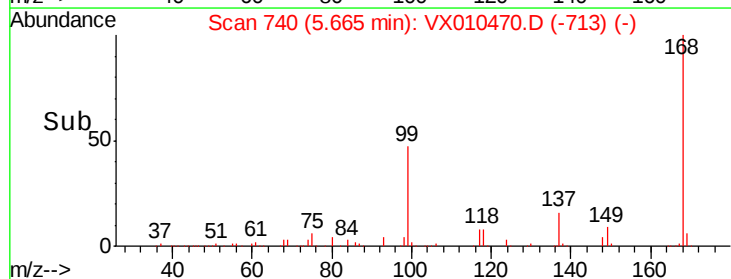
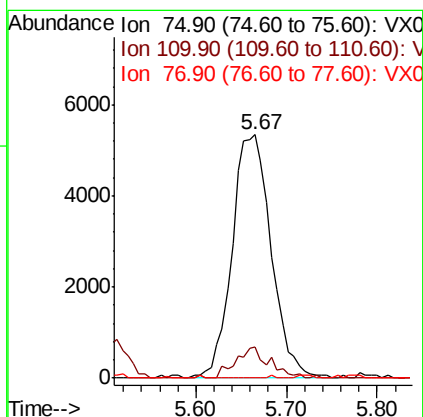
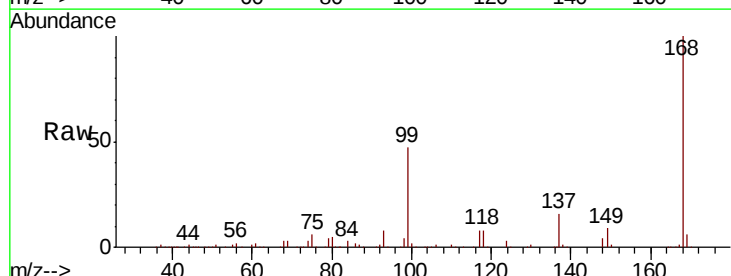
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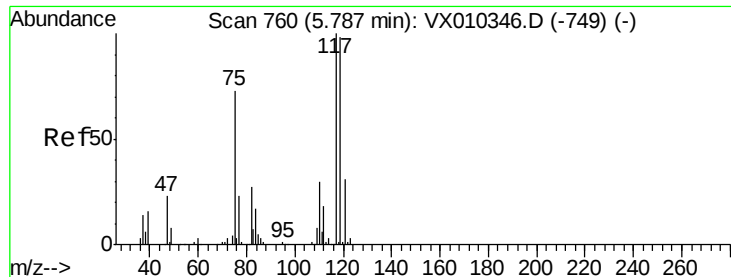
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.2	121.8
192	22.4	18.6	27.8



#36
 1,1-Dichloropropene
 Concen: 5.030 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010470.D
 Acq: 26 Jun 2019 18:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.1	20.8	62.2#
77	0.1	25.4	38.0#





#38

Carbon Tetrachloride

Concen: 6.618 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010470.D

Acq: 26 Jun 2019 18:06

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW11S-M24W1-062219

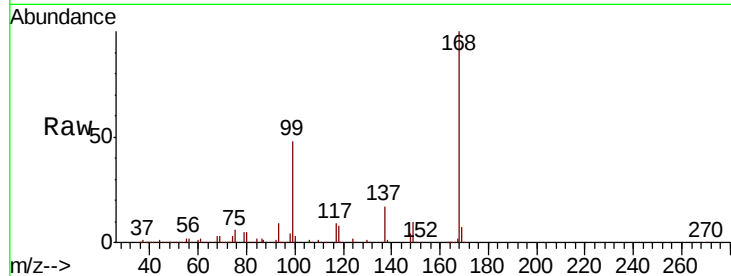
Tot Ion:117 Resp: 22833

Ion Ratio Lower Upper

117 100

119 5.3 78.2 117.4#

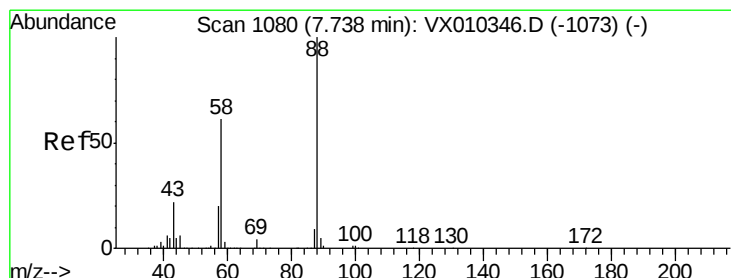
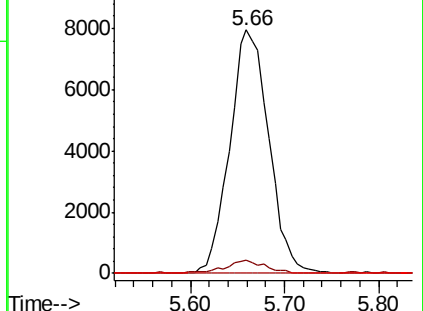
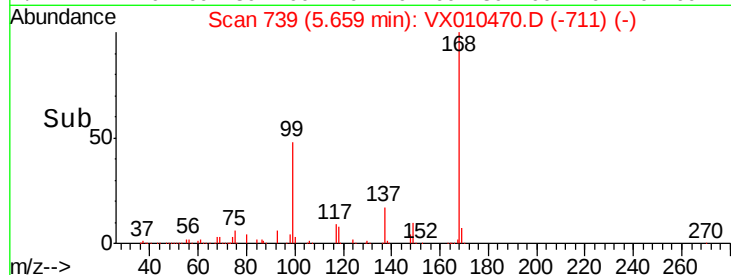
121 0.0 24.7 37.1#



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: 0.344 ug/l

RT: 7.68 min Scan# 1071

Delta R.T. -0.05 min

Lab File: VX010470.D

Acq: 26 Jun 2019 18:06

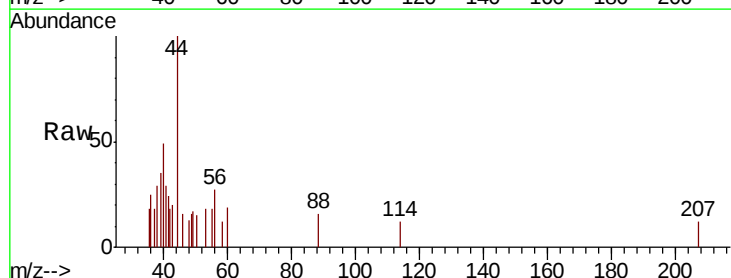
Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 0.0 20.2 30.2#

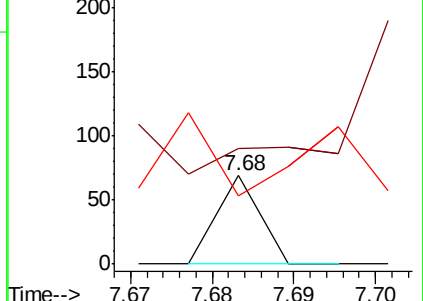
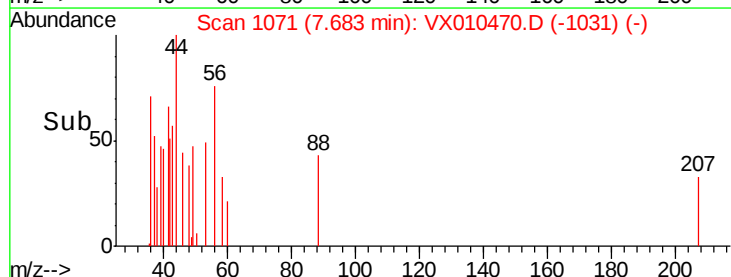
58 336.0 49.5 74.3#

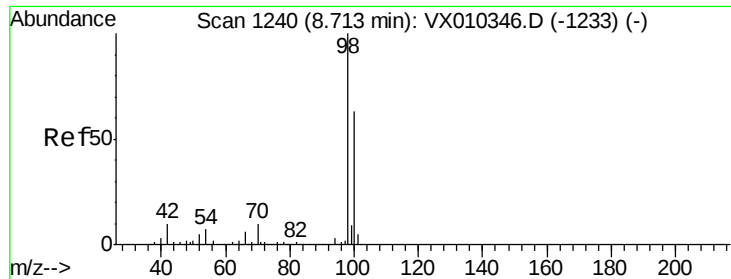


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

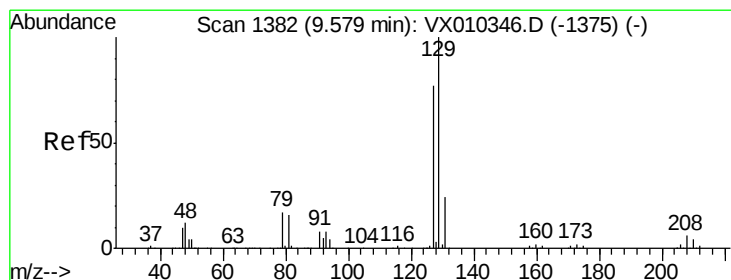
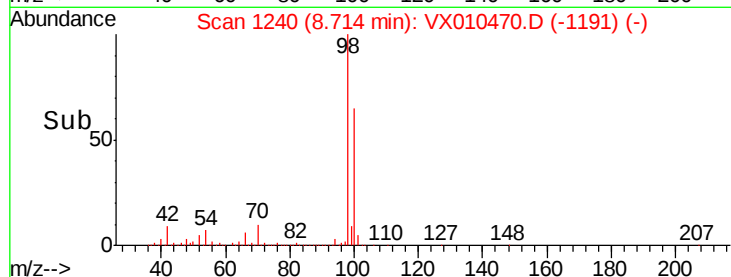
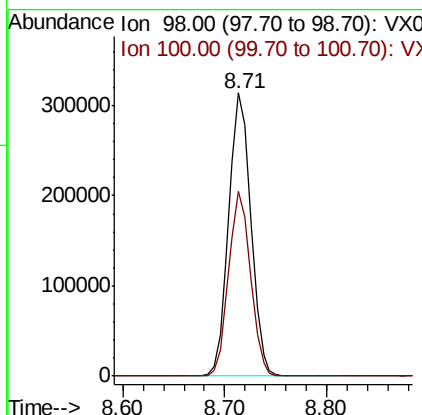
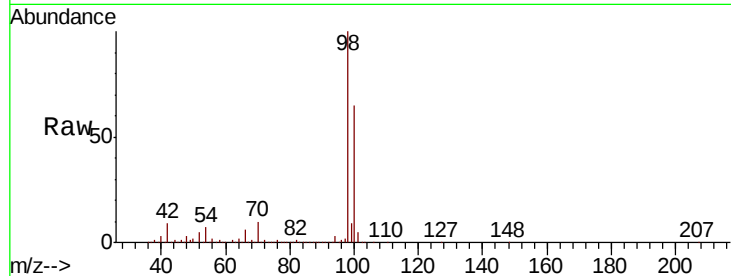




#50
Toluene-d8
Concen: 50.349 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010470.D
Acq: 26 Jun 2019 18:06

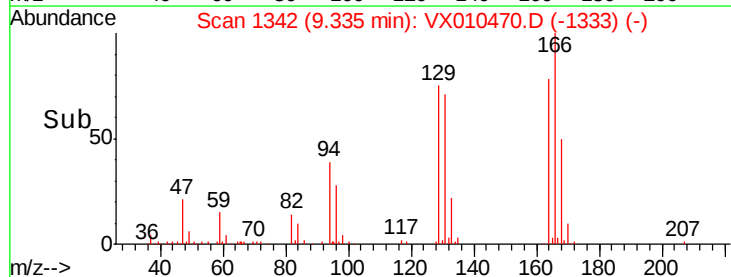
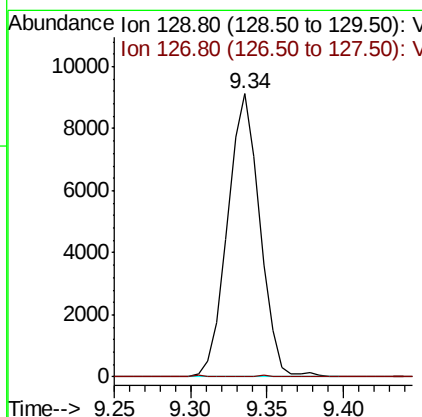
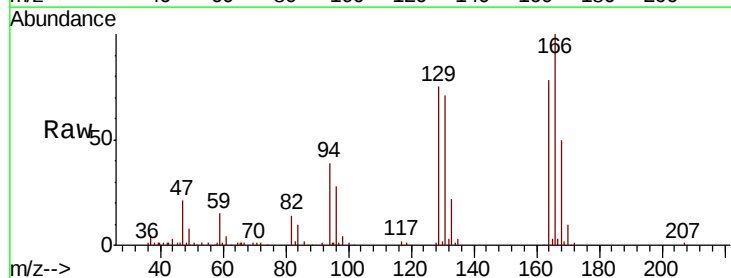
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW11S-M24W1-062219

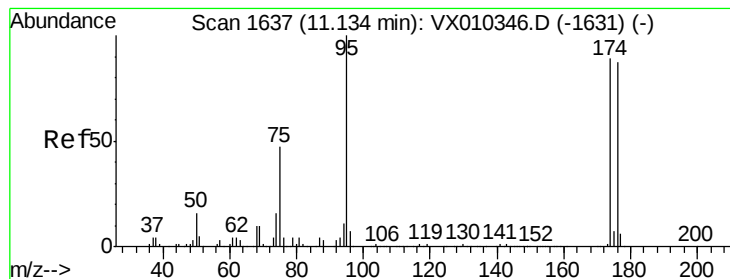
Tot Ion: 98 Resp: 472557
Ion Ratio Lower Upper
98 100
100 64.4 51.6 77.4



#60
Dibromochloromethane
Concen: 4.428 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX010470.D
Acq: 26 Jun 2019 18:06

Tgt Ion: 129 Resp: 13368
Ion Ratio Lower Upper
129 100
127 0.2 38.4 115.1#





#62

4-Bromofluorobenzene

Concen: 46.261 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010470.D

Acq: 26 Jun 2019 18:06

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW11S-M24W1-062219

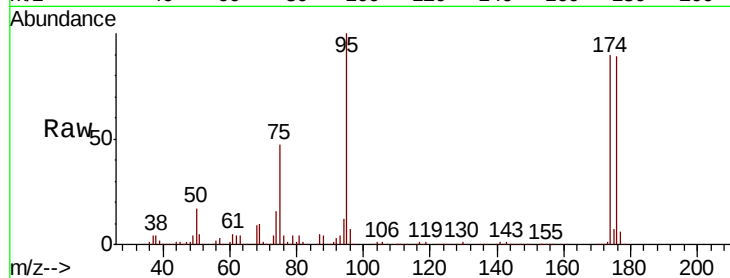
Tot Ion: 95 Resp: 156755

Ion Ratio Lower Upper

95 100

174 95.5 0.0 187.6

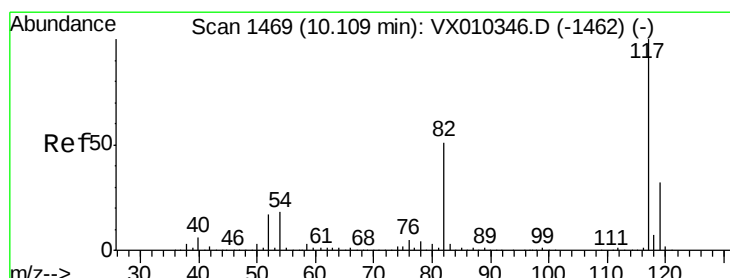
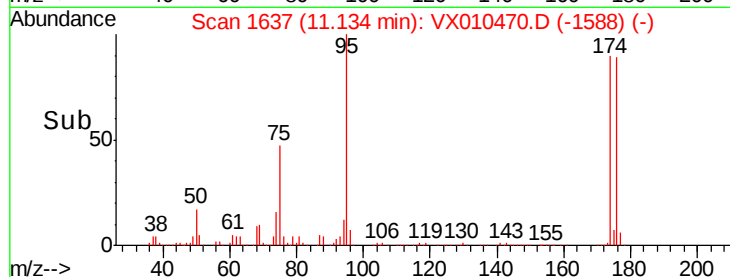
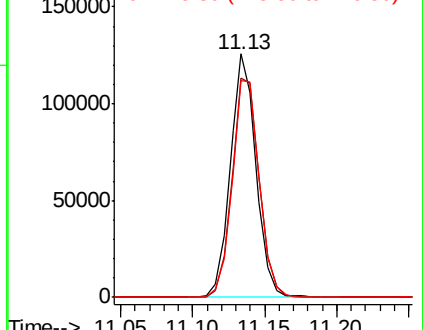
176 93.9 0.0 184.0



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: VX010470.D

Acq: 26 Jun 2019 18:06

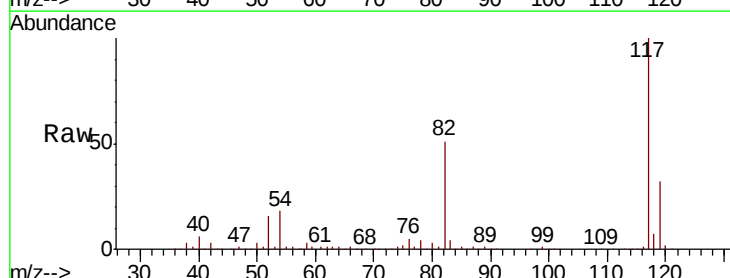
Tgt Ion: 117 Resp: 363915

Ion Ratio Lower Upper

117 100

82 50.8 41.2 61.8

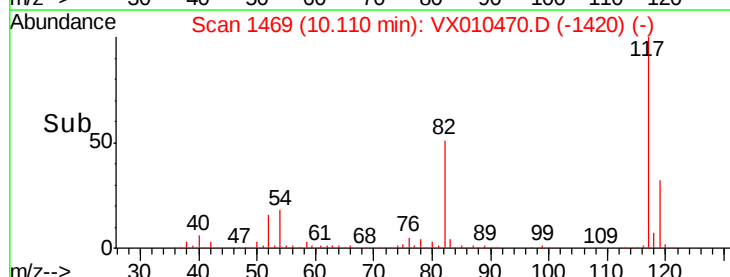
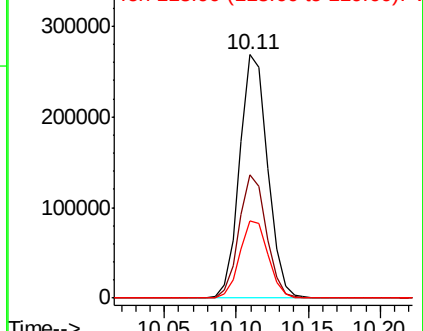
119 31.8 25.5 38.3

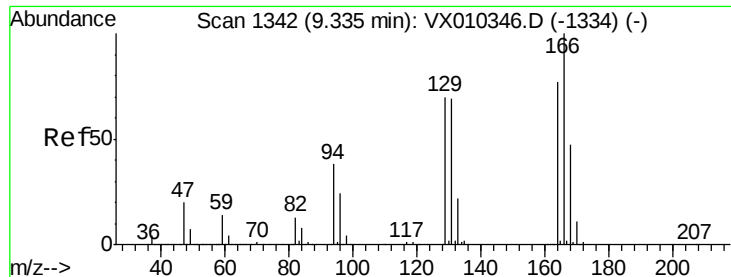


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 4.737 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX010470.D

Acq: 26 Jun 2019 18:06

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW11S-M24W1-062219

Tot Ion:164 Resp: 13944

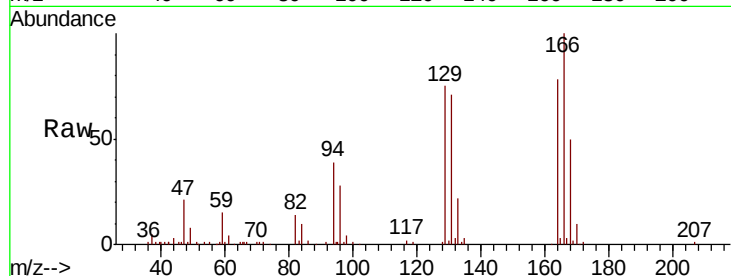
Ion Ratio Lower Upper

164 100

166 128.7 103.6 155.4

129 97.0 73.0 109.4

131 90.8 71.0 106.4

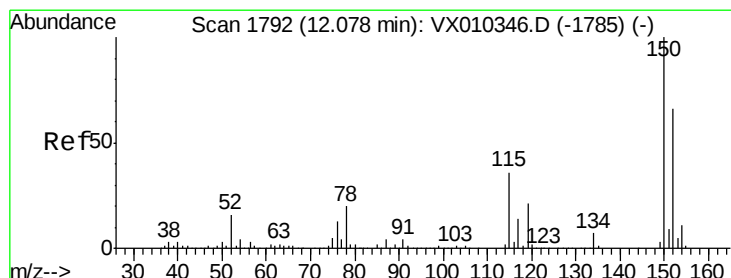
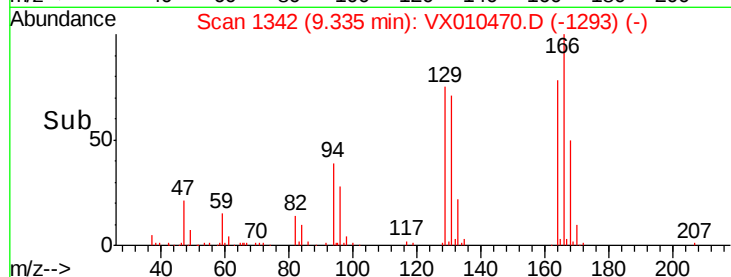
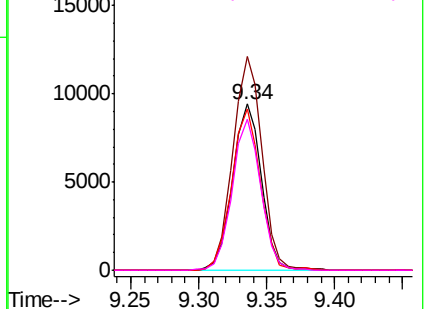


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX010470.D

Acq: 26 Jun 2019 18:06

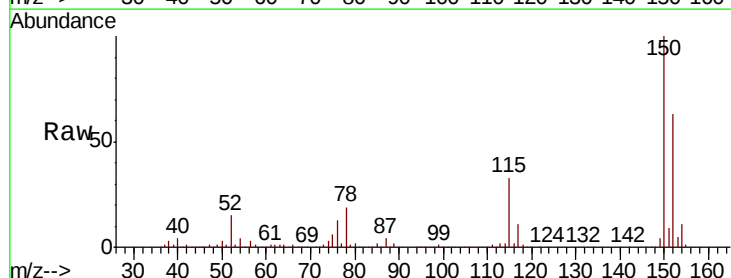
Tgt Ion:152 Resp: 167627

Ion Ratio Lower Upper

152 100

115 53.9 38.6 115.7

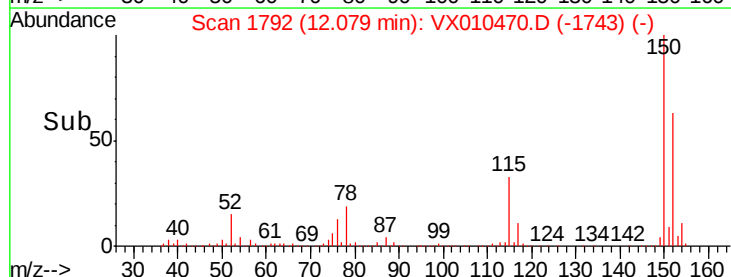
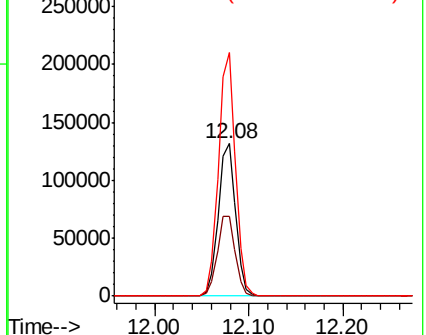
150 156.6 0.0 347.4

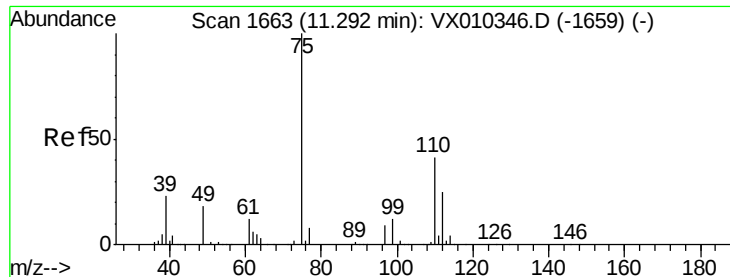


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

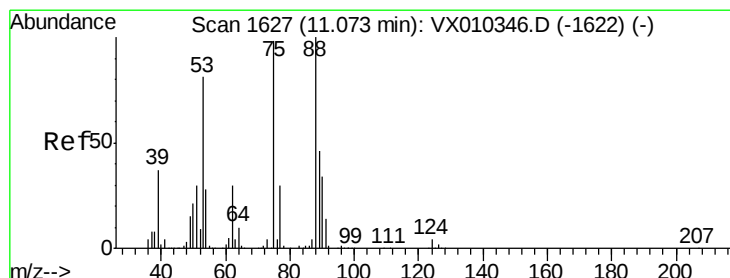
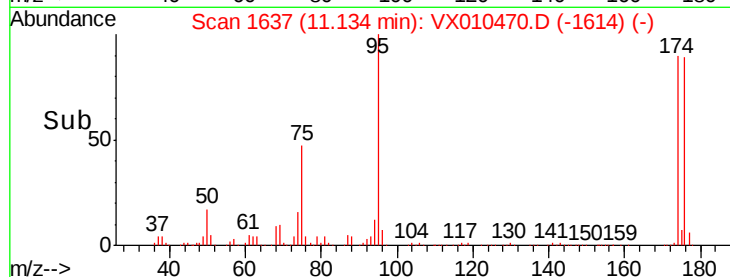
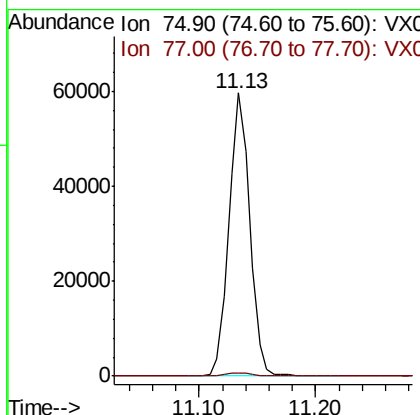
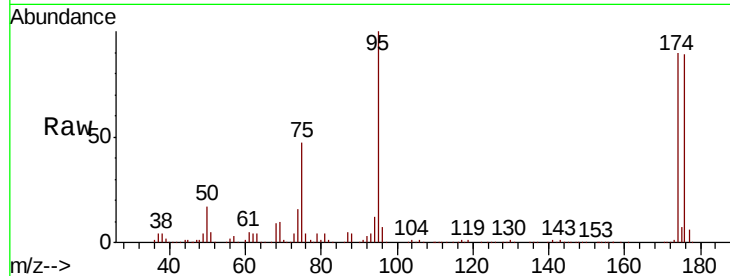




#76
 1,2,3-Trichloropropane
 Concen: 24.395 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010470.D
 Acq: 26 Jun 2019 18:06

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW11S-M24W1-062219

Tot Ion: 75 Resp: 74517
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.6 67.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.911 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010470.D
 Acq: 26 Jun 2019 18:06

Tgt Ion: 75 Resp: 74517
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.1 99.1#
 89 0.0 37.8 56.6#

