

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062719\
 Data File : VX010483.D
 Acq On : 27 Jun 2019 12:59
 Operator : JC/SP
 Sample : K3527-17
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-GMW-5D-R-M24W1-061919

Quant Time: Jun 28 06:46:28 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	249545	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	384754	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	343875	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	148703	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	119091	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	
35) Dibromofluoromethane	5.50	113	117600	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
50) Toluene-d8	8.71	98	451087	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
62) 4-Bromofluorobenzene	11.13	95	143638	44.18	ug/l	0.00
Spiked Amount			Recovery	=	88.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	360	0.334	ug/l	87
6) Chloroethane	1.71	64	406	0.311	ug/l	96
10) Methyl Iodide	2.51	142	686	0.226	ug/l #	75
11) Tert butyl alcohol	3.01	59	1832	2.992	ug/l #	78
13) Acrolein	2.30	56	191	0.470	ug/l #	50
16) Acetone	2.44	43	3590	3.062	ug/l	99
36) 1,1-Dichloropropene	5.66	75	15193	4.969	ug/l #	48
38) Carbon Tetrachloride	5.66	117	22449	6.780	ug/l #	15
49) 1,4-Dioxane	7.79	88	47	0.674	ug/l #	1
60) Dibromochloromethane	9.34	129	3185	1.100	ug/l #	11
64) Tetrachloroethene	9.34	164	3206	1.153	ug/l	92
76) 1,2,3-Trichloropropane	11.13	75	67900	25.058	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	67900	58.457	ug/l #	16

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010483.D

Acq: 27 Jun 2019 12:59

Instrument :

MSVOA_X

ClientSampleId :

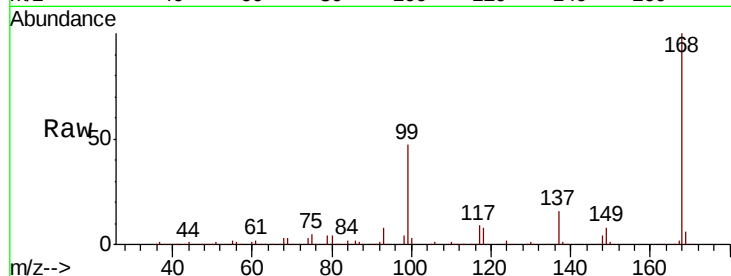
CPA-GMW-5D-R-M24W1-061919

Tot Ion:168 Resp: 249545

Ion Ratio Lower Upper

168 100

99 46.8 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

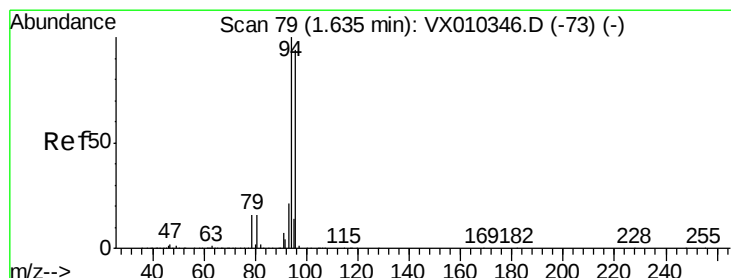
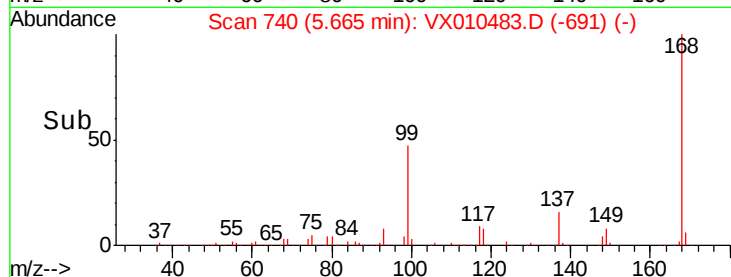
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.334 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010483.D

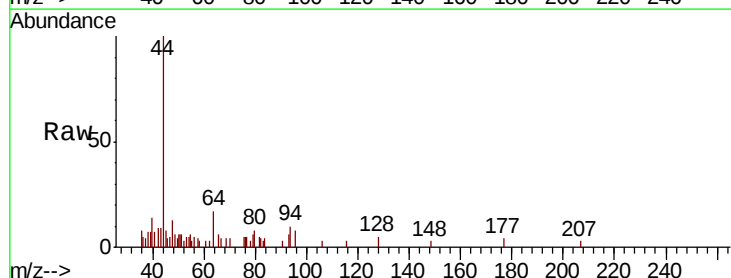
Acq: 27 Jun 2019 12:59

Tgt Ion: 94 Resp: 360

Ion Ratio Lower Upper

94 100

96 81.4 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

200

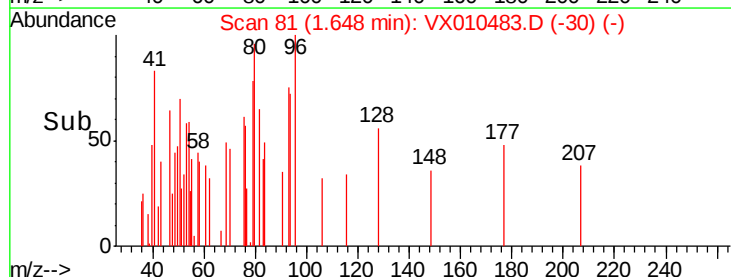
150

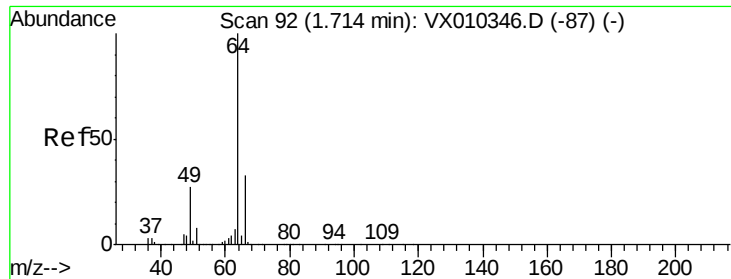
100

50

0

Time--> 1.62 1.64 1.66 1.68





#6

Chloroethane

Concen: 0.311 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX010483.D

Acq: 27 Jun 2019 12:59

Instrument :

MSVOA_X

ClientSampleId :

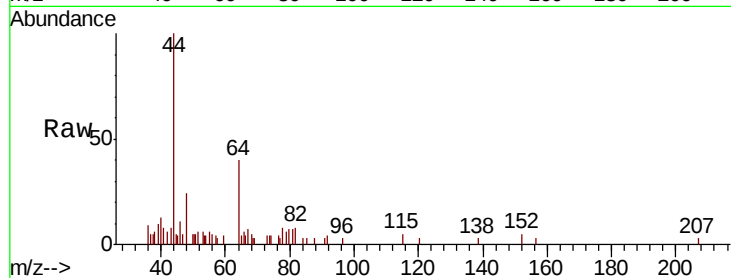
CPA-GMW-5D-R-M24W1-061919

Tot Ion: 64 Resp: 406

Ion Ratio Lower Upper

64 100

66 35.7 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

800

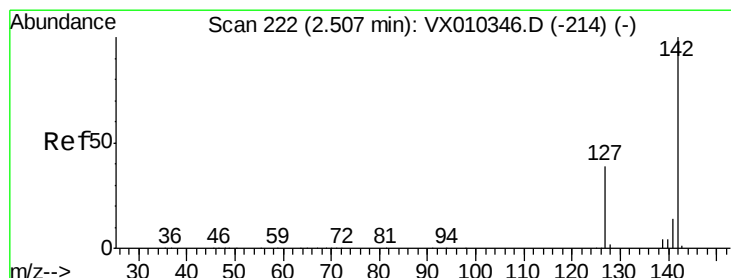
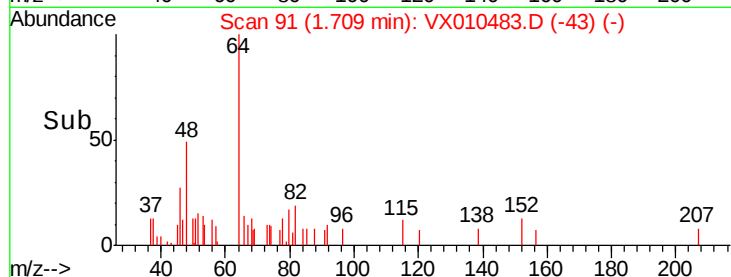
600

400

200

0

Time-->



#10

Methyl Iodide

Concen: 0.226 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX010483.D

Acq: 27 Jun 2019 12:59

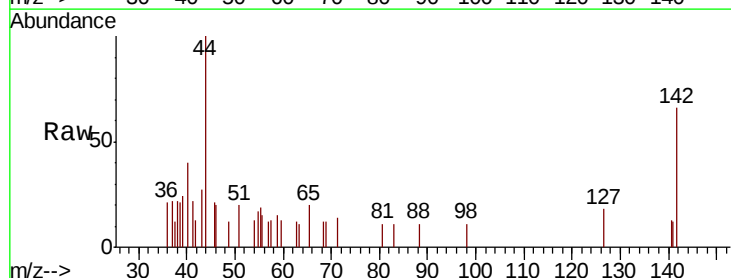
Tgt Ion: 142 Resp: 686

Ion Ratio Lower Upper

142 100

127 18.7 31.1 46.7#

141 13.4 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

400

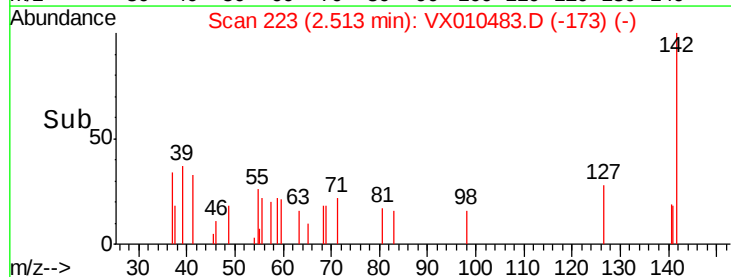
300

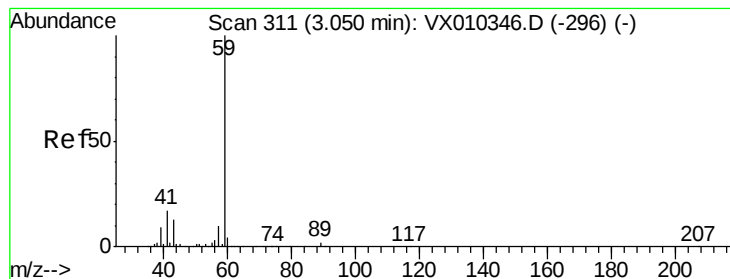
200

100

0

Time-->





#11

Tert butyl alcohol

Concen: 2.992 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.04 min

Lab File: VX010483.D

Acq: 27 Jun 2019 12:59

Instrument :

MSVOA_X

ClientSampleId :

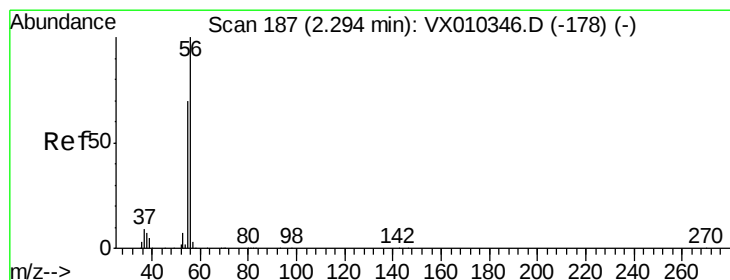
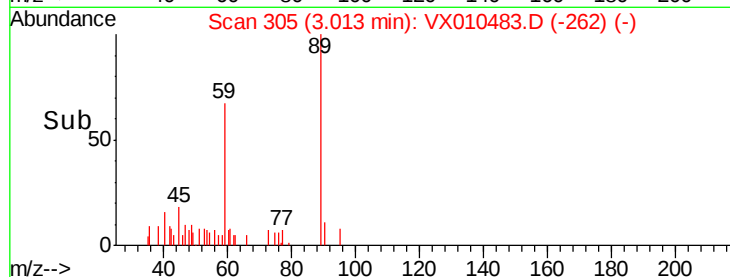
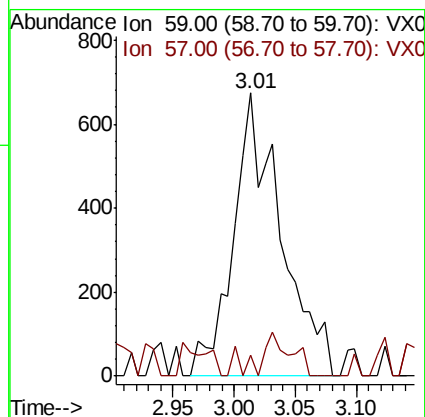
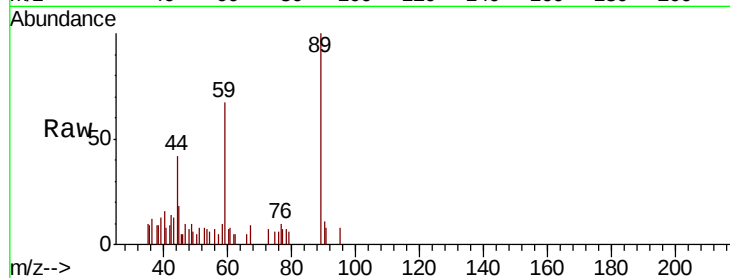
CPA-GMW-5D-R-M24W1-061919

Tot Ion: 59 Resp: 1832

Ion Ratio Lower Upper

59 100

57 1.5 7.7 11.5#



#13

Acrolein

Concen: 0.470 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX010483.D

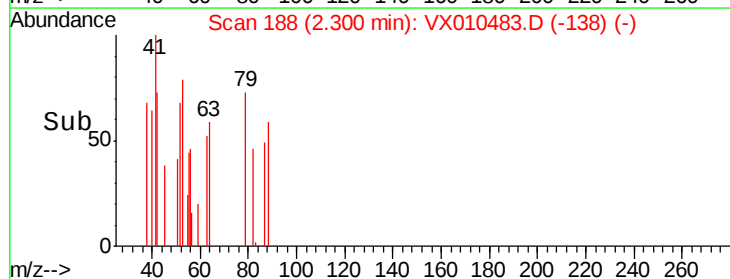
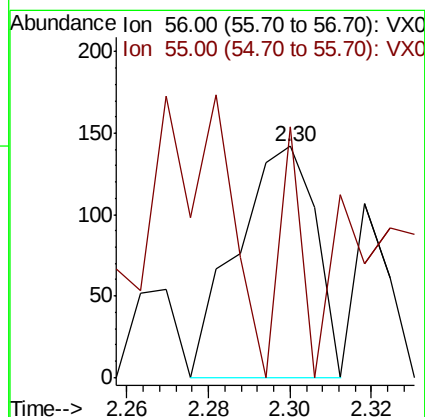
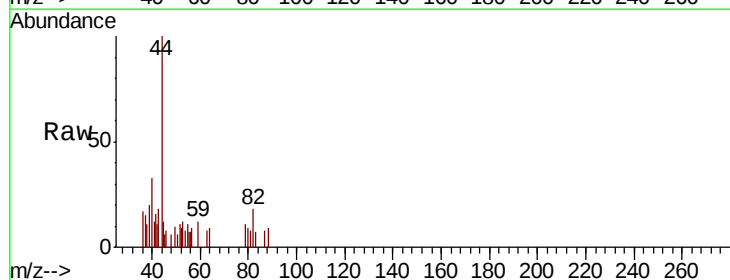
Acq: 27 Jun 2019 12:59

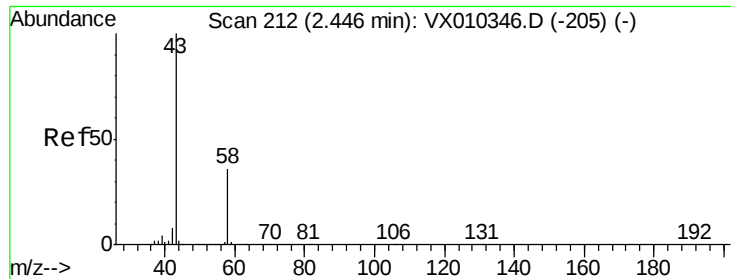
Tgt Ion: 56 Resp: 191

Ion Ratio Lower Upper

56 100

55 29.3 56.9 85.3#





#16

Acetone

Concen: 3.062 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010483.D

Acq: 27 Jun 2019 12:59

Instrument :

MSVOA_X

ClientSampleId :

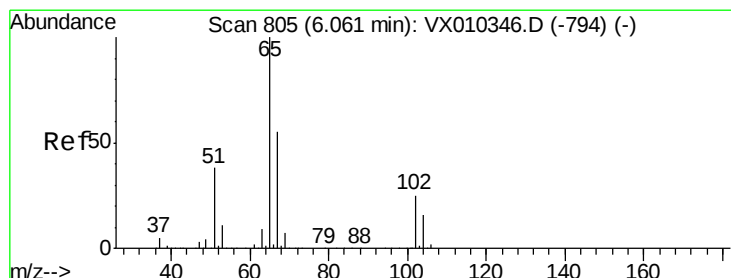
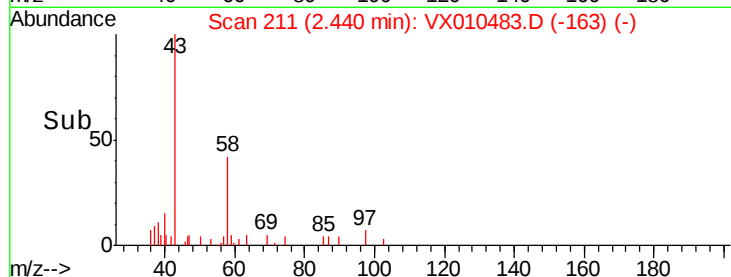
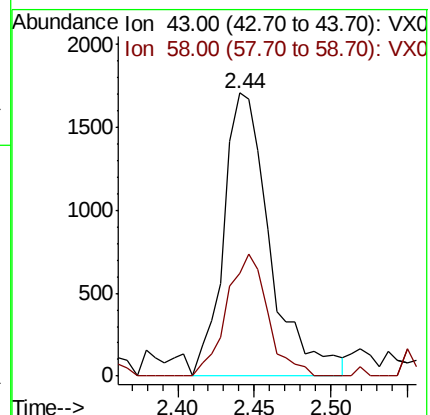
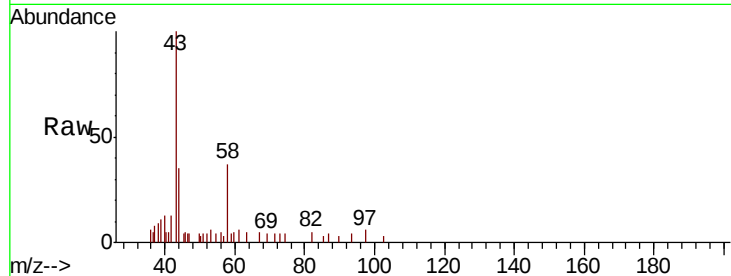
CPA-GMW-5D-R-M24W1-061919

Tot Ion: 43 Resp: 3590

Ion Ratio Lower Upper

43 100

58 36.6 28.9 43.3



#33

1,2-Dichloroethane-d4

Concen: 50.899 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010483.D

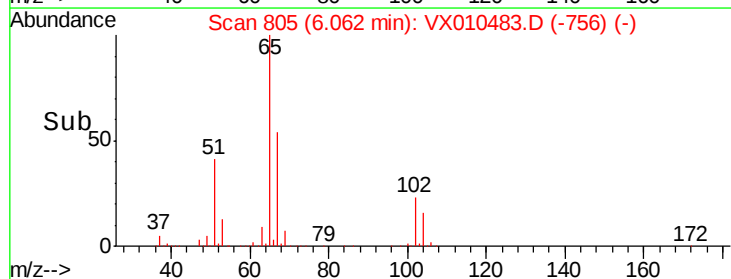
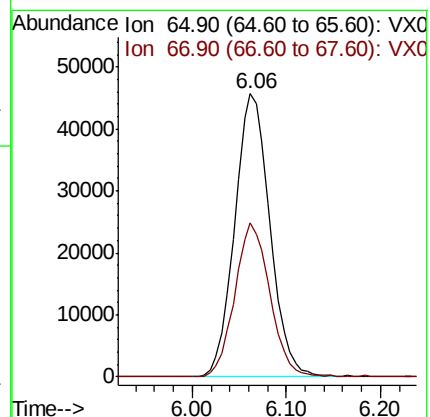
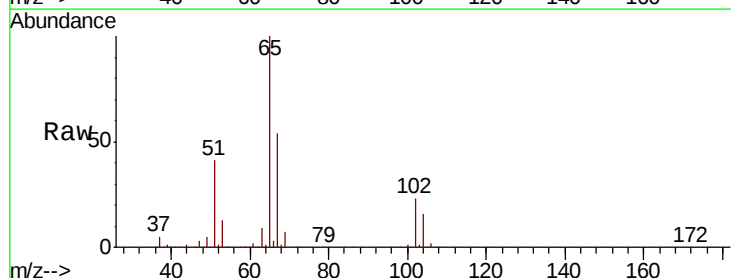
Acq: 27 Jun 2019 12:59

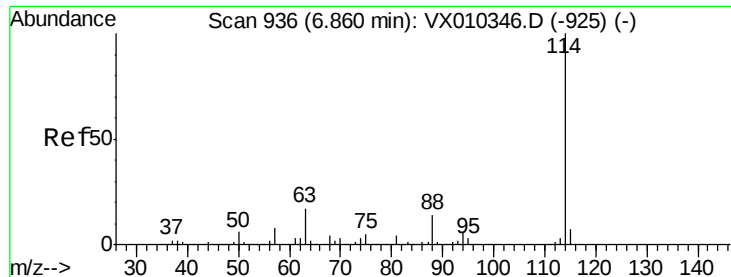
Tgt Ion: 65 Resp: 119091

Ion Ratio Lower Upper

65 100

67 54.2 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: VX010483.D

Acq: 27 Jun 2019 12:59

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5D-R-M24W1-061919

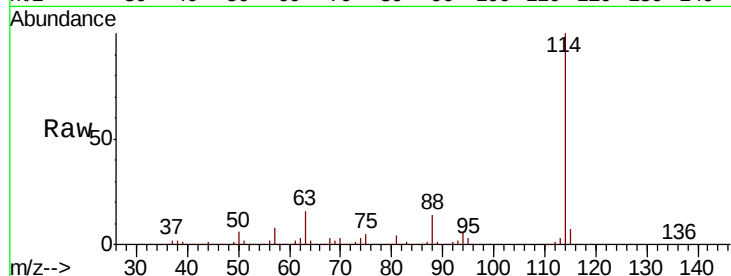
Tot Ion:114 Resp: 384754

Ion Ratio Lower Upper

114 100

63 16.5 0.0 33.8

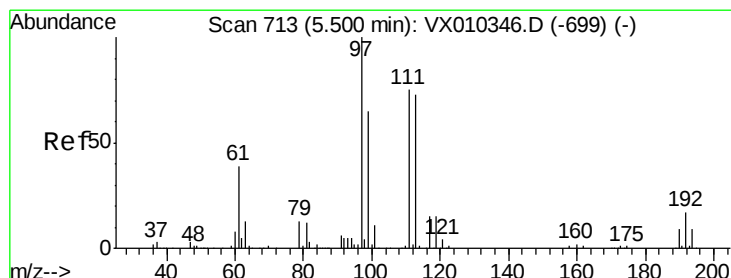
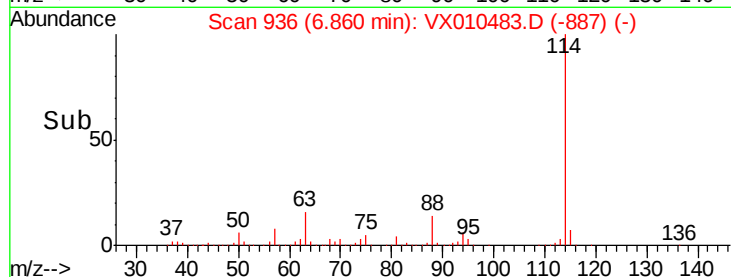
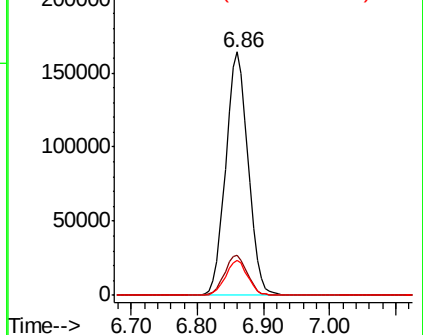
88 14.2 0.0 27.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.956 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010483.D

Acq: 27 Jun 2019 12:59

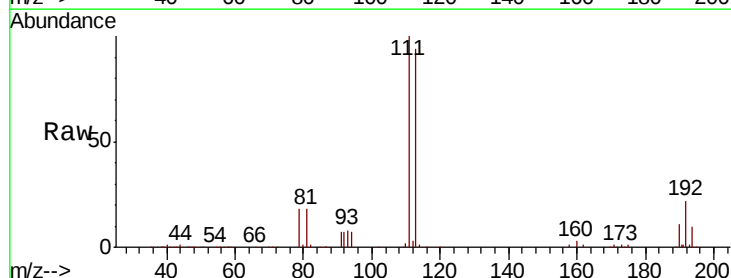
Tgt Ion:113 Resp: 117600

Ion Ratio Lower Upper

113 100

111 102.8 81.2 121.8

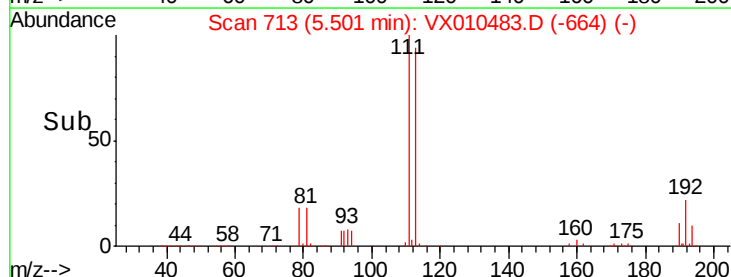
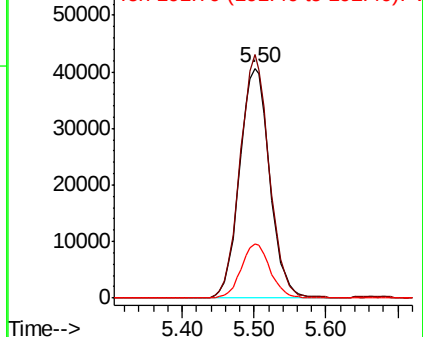
192 23.0 18.6 27.8

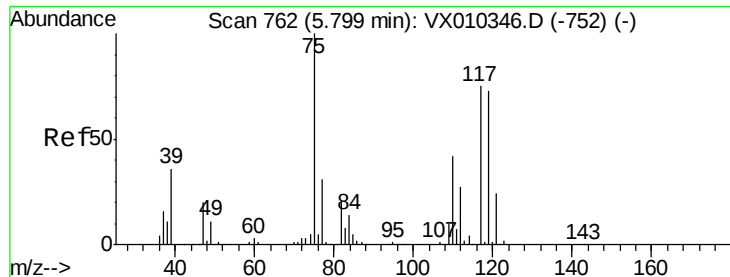


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

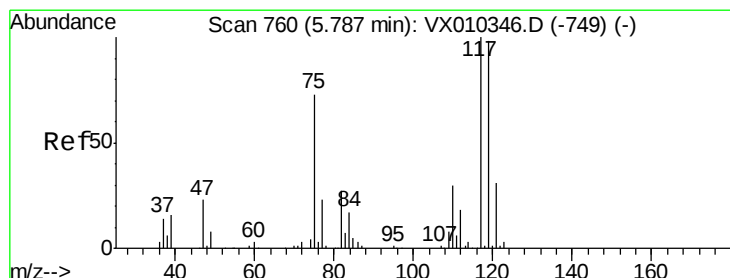
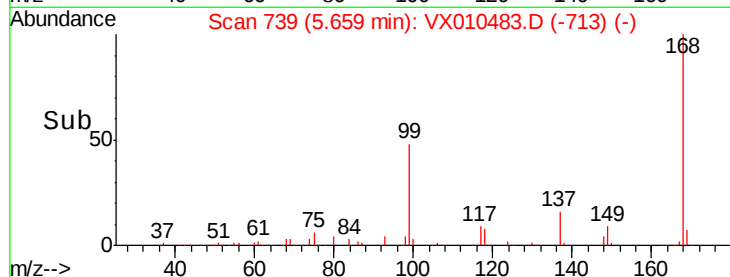
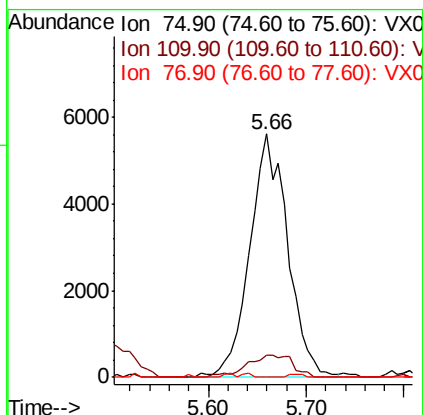
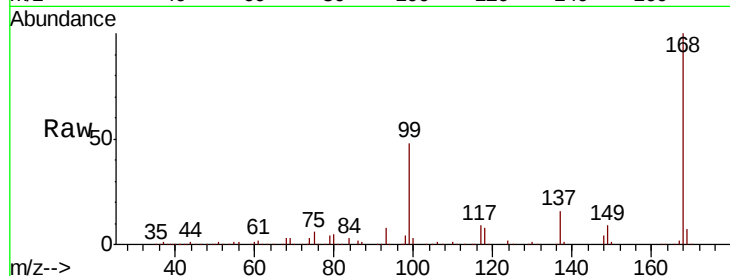




#36
 1,1-Dichloropropene
 Concen: 4.969 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010483.D
 Acq: 27 Jun 2019 12:59

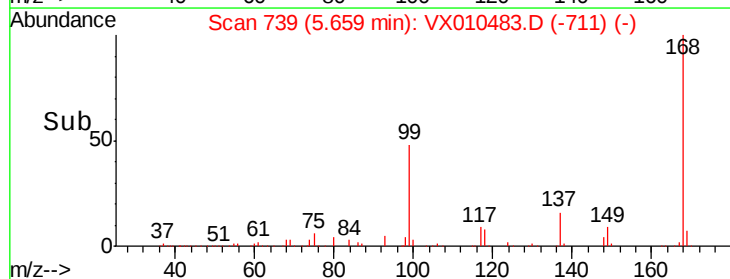
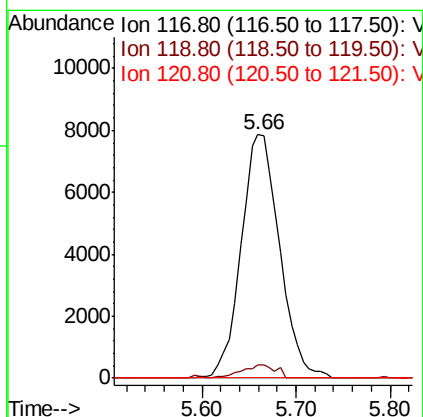
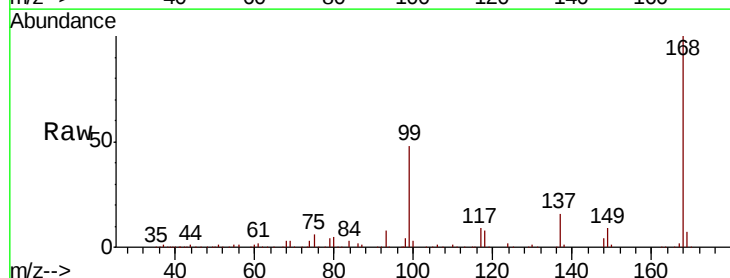
Instrument :
 MSVOA_X
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 CPA-GMW-5D-R-M24W1-061919

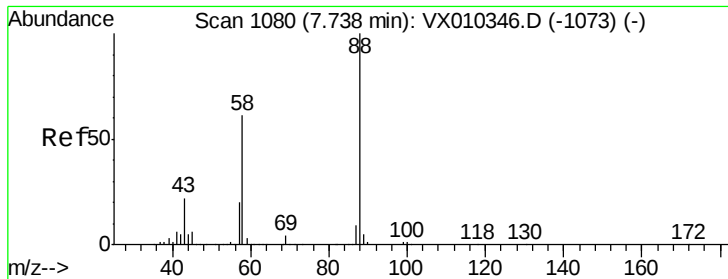
Tot Ion: 75 Resp: 15193
 Ion Ratio Lower Upper
 75 100
 110 11.2 20.8 62.2#
 77 0.0 25.4 38.0#



#38
 Carbon Tetrachloride
 Concen: 6.780 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX010483.D
 Acq: 27 Jun 2019 12:59

Tgt Ion: 117 Resp: 22449
 Ion Ratio Lower Upper
 117 100
 119 5.3 78.2 117.4#
 121 0.0 24.7 37.1#

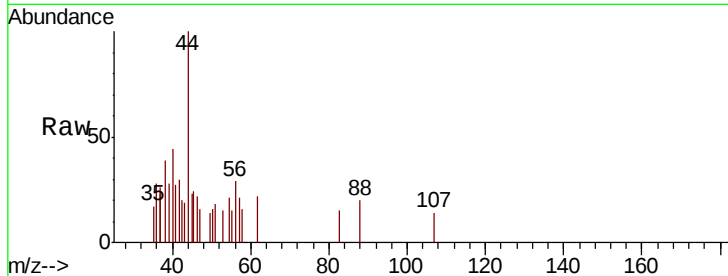




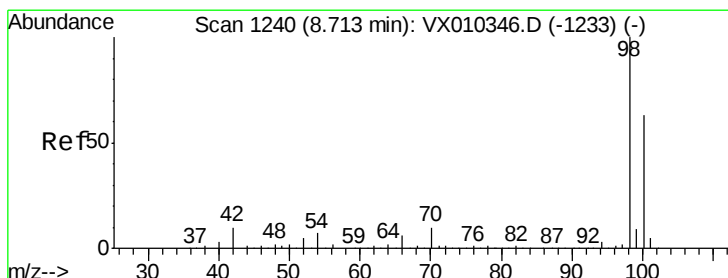
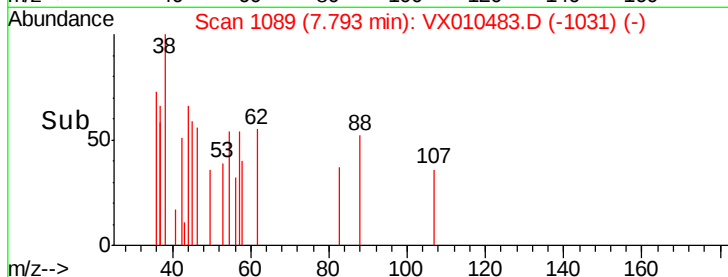
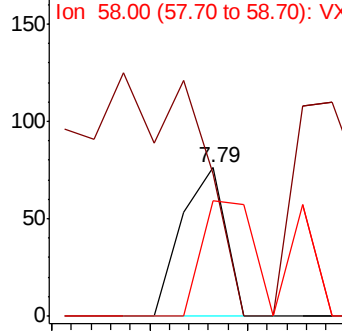
#49
1,4-Dioxane
Concen: 0.674 ug/l
RT: 7.79 min Scan# 1089
Delta R.T. 0.06 min
Lab File: VX010483.D
Acq: 27 Jun 2019 12:59

Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5D-R-M24W1-061919

Tot Ion: 88 Resp: 47
Ion Ratio Lower Upper
88 100
43 463.8 20.2 30.2#
58 134.0 49.5 74.3#

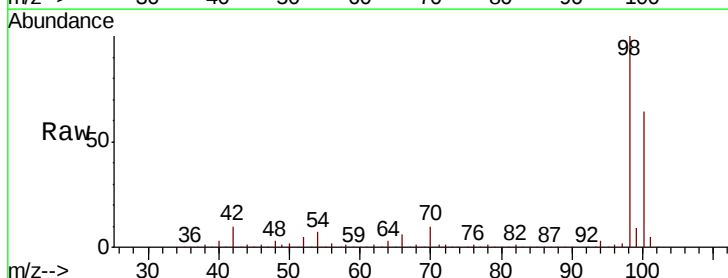


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

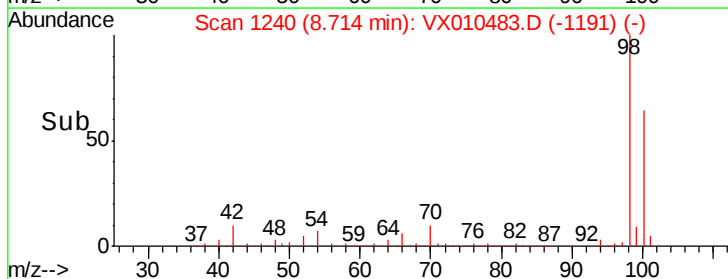
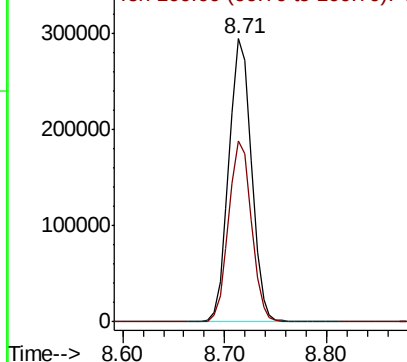


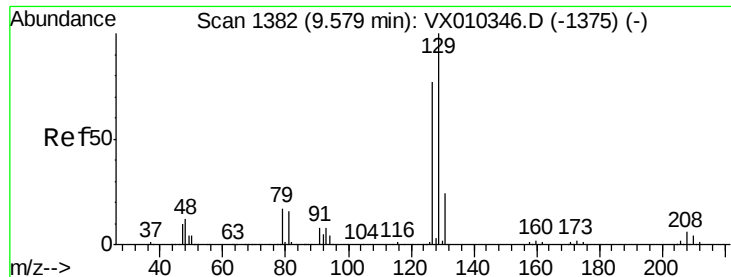
#50
Toluene-d8
Concen: 50.086 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010483.D
Acq: 27 Jun 2019 12:59

Tgt Ion: 98 Resp: 451087
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

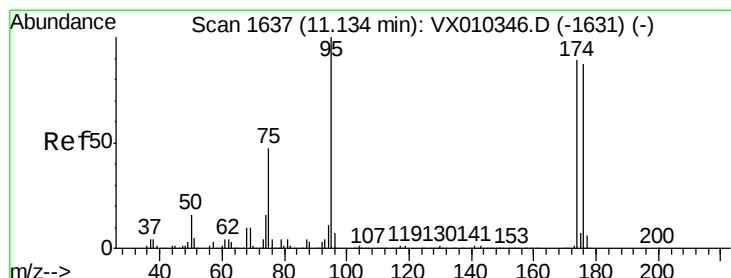
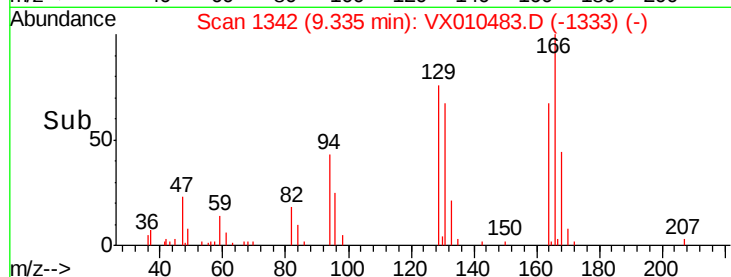
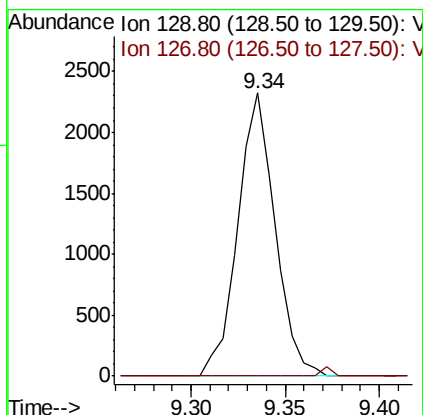
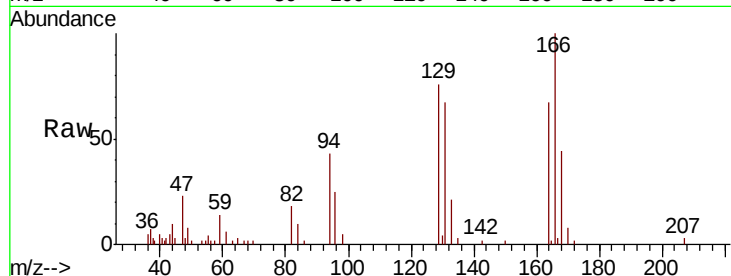




#60
 Dibromochloromethane
 Concen: 1.100 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.24 min
 Lab File: VX010483.D
 Acq: 27 Jun 2019 12:59

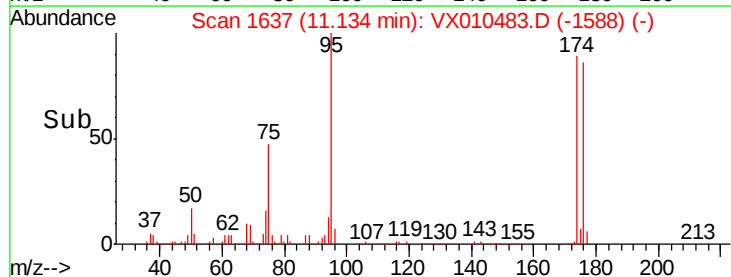
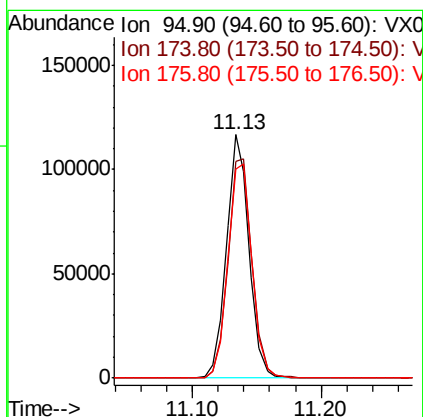
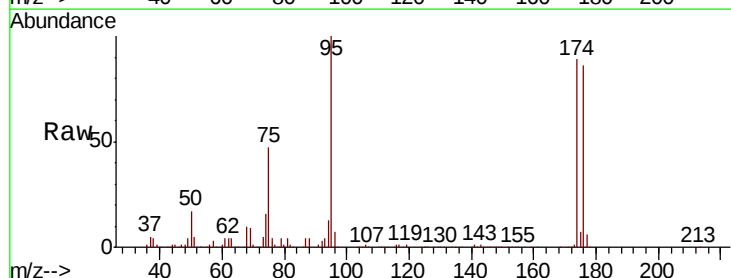
Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-GMW-5D-R-M24W1-061919

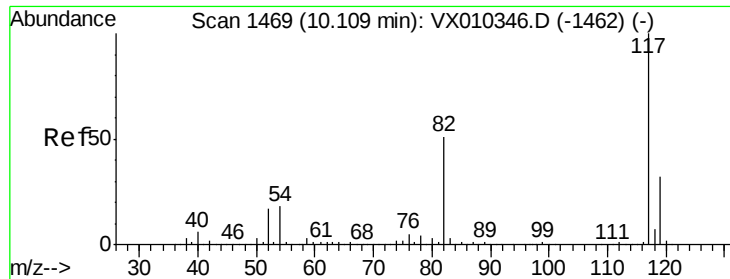
Tot Ion:129 Resp: 3185
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.4 115.1#



#62
 4-Bromofluorobenzene
 Concen: 44.176 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX010483.D
 Acq: 27 Jun 2019 12:59

Tgt Ion: 95 Resp: 143638
 Ion Ratio Lower Upper
 95 100
 174 95.8 0.0 187.6
 176 94.1 0.0 184.0

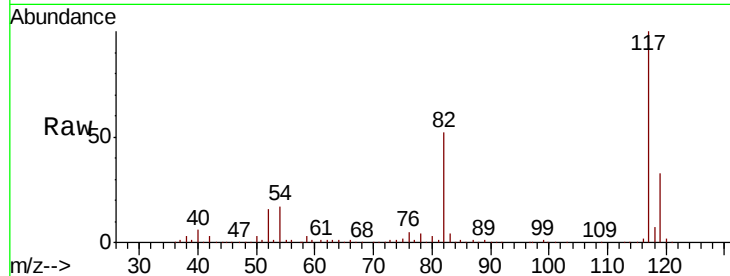




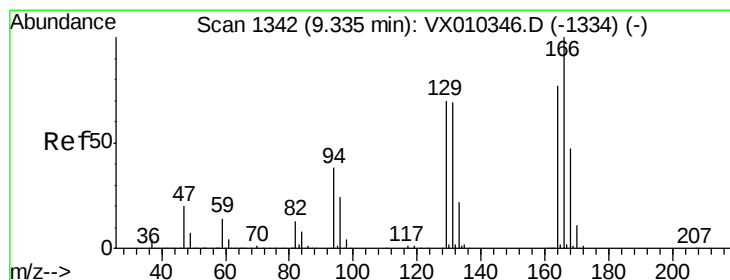
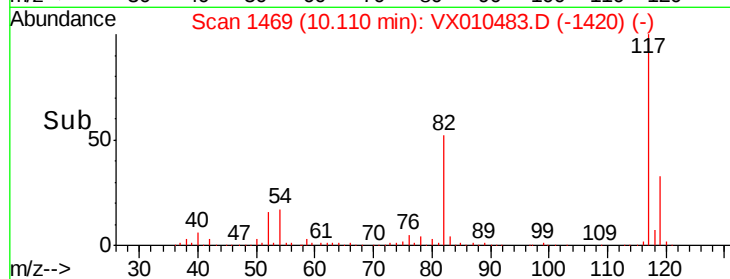
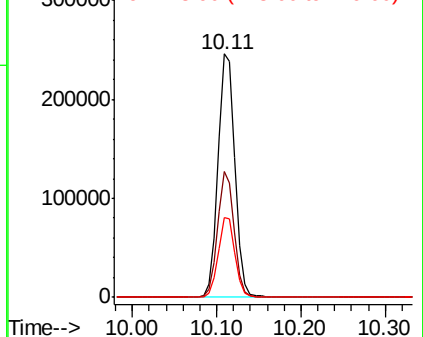
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010483.D
Acq: 27 Jun 2019 12:59

Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5D-R-M24W1-061919

Tot Ion:117 Resp: 343875
Ion Ratio Lower Upper
117 100
82 51.9 41.2 61.8
119 32.7 25.5 38.3



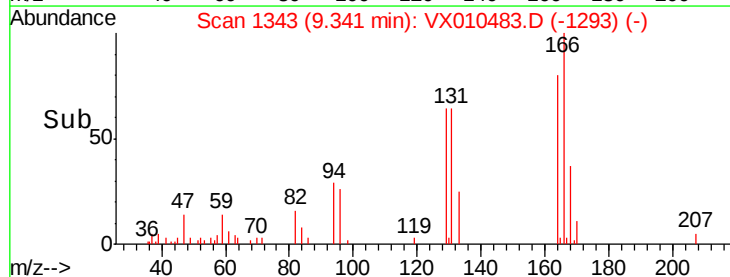
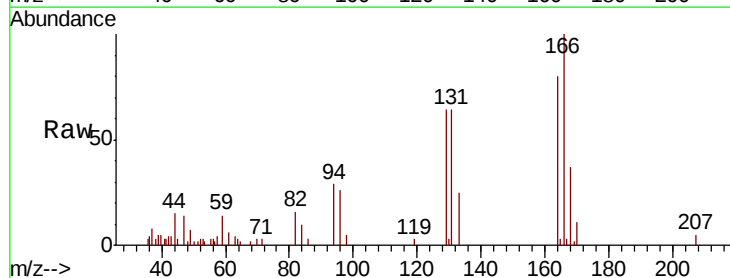
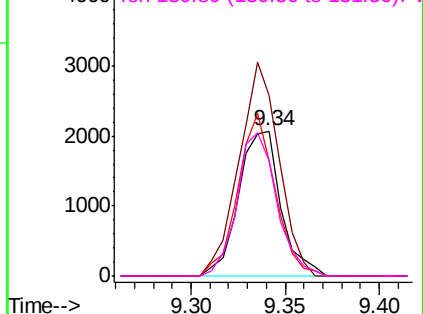
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

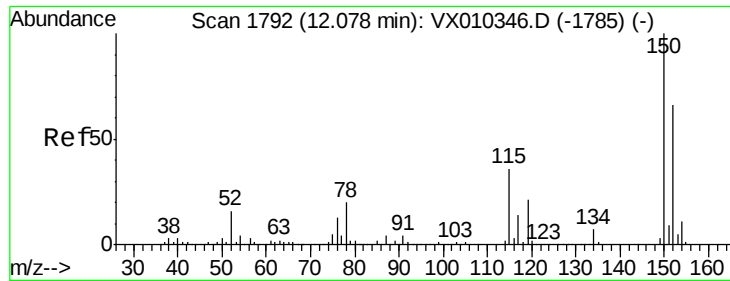


#64
Tetrachloroethene
Concen: 1.153 ug/l
RT: 9.34 min Scan# 1343
Delta R.T. 0.01 min
Lab File: VX010483.D
Acq: 27 Jun 2019 12:59

Tgt Ion:164 Resp: 3206
Ion Ratio Lower Upper
164 100
166 124.5 103.6 155.4
129 79.8 73.0 109.4
131 80.1 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: VX010483.D

Acq: 27 Jun 2019 12:59

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5D-R-M24W1-061919

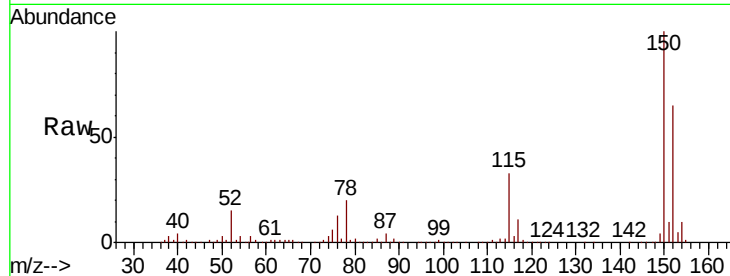
Tot Ion:152 Resp: 148703

Ion Ratio Lower Upper

152 100

115 53.8 38.6 115.7

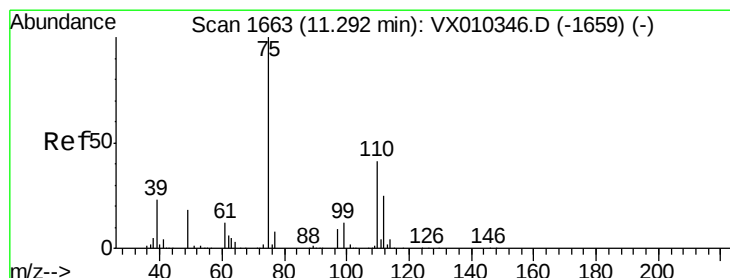
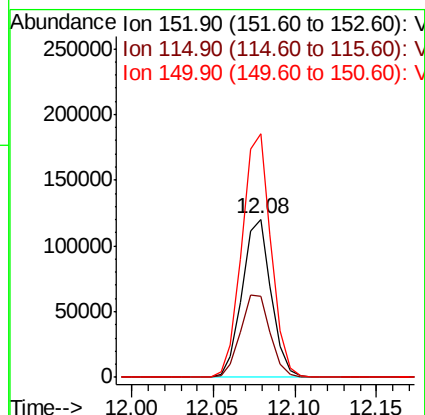
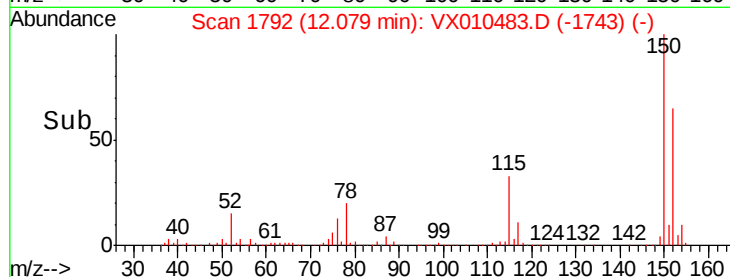
150 155.6 0.0 347.4



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: 25.058 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010483.D

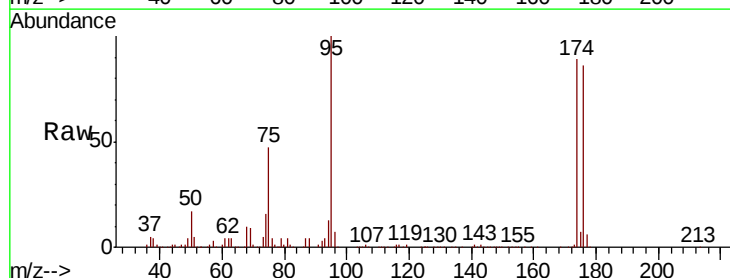
Acq: 27 Jun 2019 12:59

Tgt Ion: 75 Resp: 67900

Ion Ratio Lower Upper

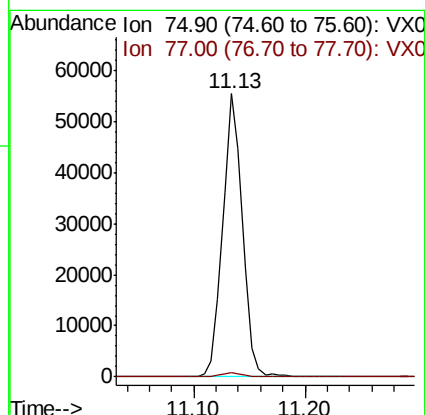
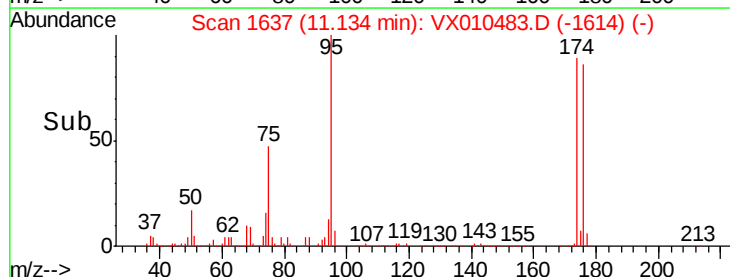
75 100

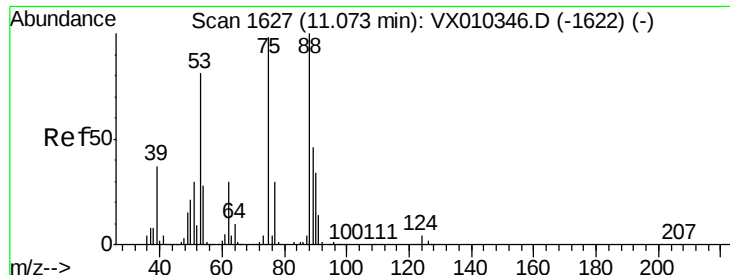
77 1.6 22.6 67.8#



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: 58.457 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010483.D

Acq: 27 Jun 2019 12:59

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5D-R-M24W1-061919

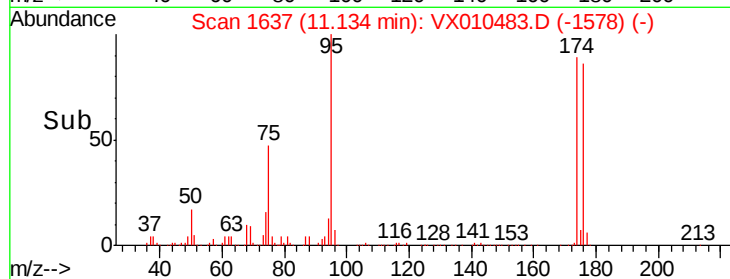
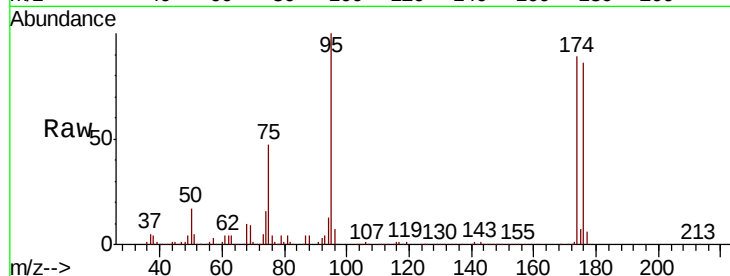
Tot Ion: 75 Resp: 67900

Ion Ratio Lower Upper

75 100

53 0.3 66.1 99.1#

89 0.0 37.8 56.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

