

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062719\
 Data File : VX010482.D
 Acq On : 27 Jun 2019 12:35
 Operator : JC/SP
 Sample : K3527-21
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-MW16-001-M24W1-061919

Quant Time: Jun 28 06:46:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	245695	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	380619	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	342762	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	160078	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	117563	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	
35) Dibromofluoromethane	5.50	113	116779	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
50) Toluene-d8	8.71	98	447248	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	
62) 4-Bromofluorobenzene	11.13	95	147601	45.89	ug/l	0.00
Spiked Amount			Recovery	=	91.78%	

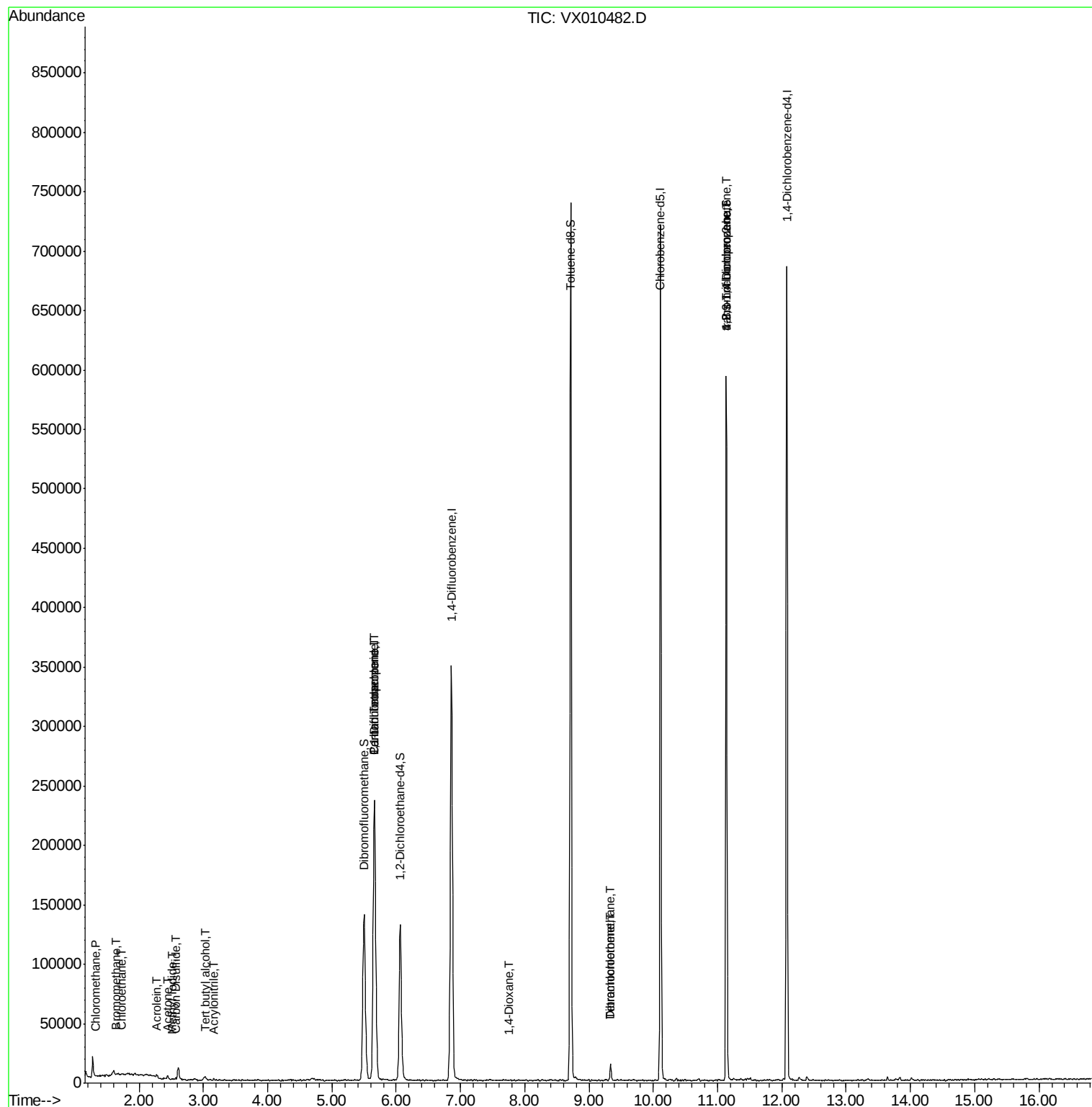
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	639	0.321	ug/l #	47
5) Bromomethane	1.65	94	488	0.460	ug/l	89
6) Chloroethane	1.71	64	393	0.306	ug/l #	70
10) Methyl Iodide	2.52	142	858	0.287	ug/l #	47
11) Tert butyl alcohol	3.02	59	2631	4.365	ug/l #	74
13) Acrolein	2.28	56	351	0.878	ug/l #	41
15) Acrylonitrile	3.15	53	272	0.228	ug/l #	71
16) Acetone	2.45	43	4009	3.472	ug/l #	87
17) Carbon Disulfide	2.57	76	1245	0.218	ug/l #	94
36) 1,1-Dichloropropene	5.67	75	15072	4.983	ug/l #	48
38) Carbon Tetrachloride	5.66	117	22193	6.776	ug/l #	15
49) 1,4-Dioxane	7.74	88	26	0.377	ug/l #	1
60) Dibromochloromethane	9.34	129	2509	0.876	ug/l #	11
64) Tetrachloroethene	9.34	164	2685	0.968	ug/l	89
76) 1,2,3-Trichloropropane	11.13	75	69900	23.963	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	69900	55.902	ug/l #	16

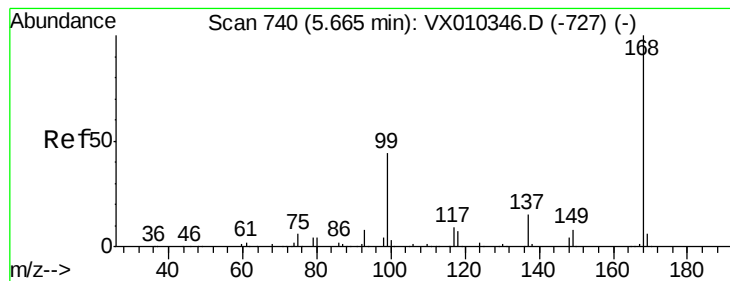
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010482.D

Acq: 27 Jun 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

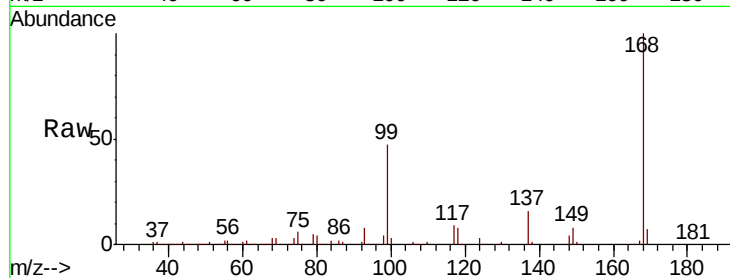
CPA-MW16-001-M24W1-061919

Tot Ion:168 Resp: 245695

Ion Ratio Lower Upper

168 100

99 47.2 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

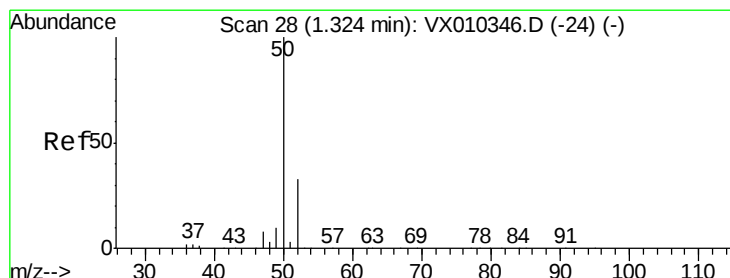
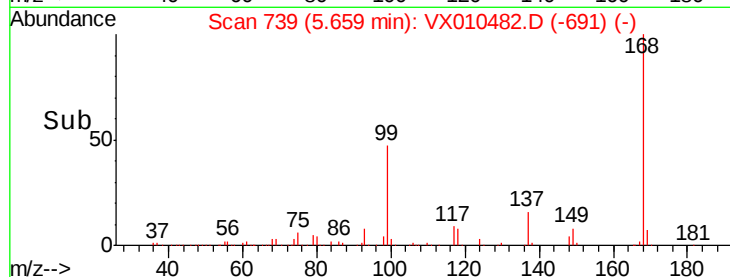
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.321 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010482.D

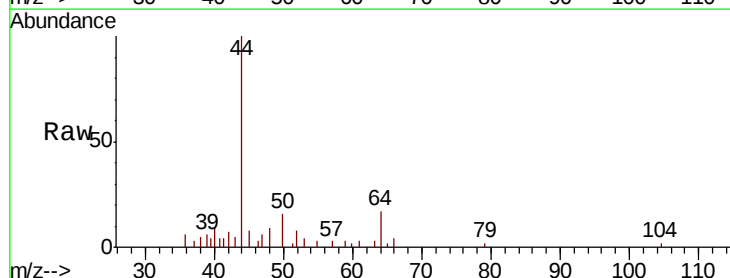
Acq: 27 Jun 2019 12:35

Tgt Ion: 50 Resp: 639

Ion Ratio Lower Upper

50 100

52 63.2 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

400

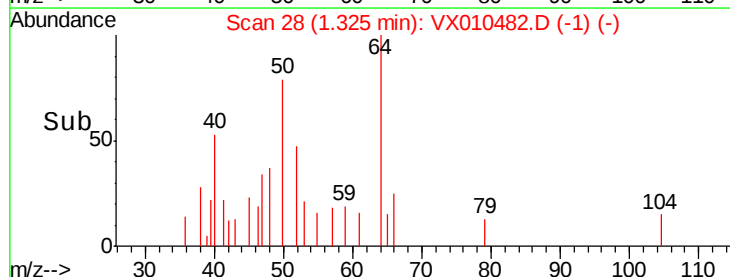
300

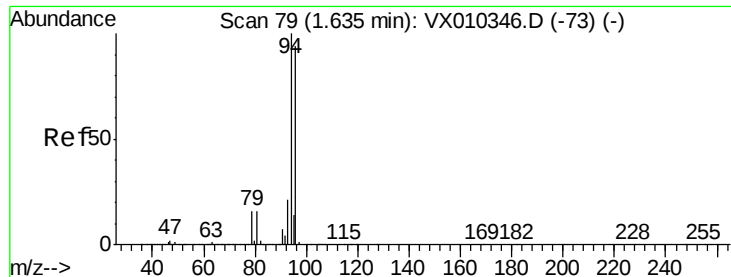
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.460 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010482.D

Acq: 27 Jun 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

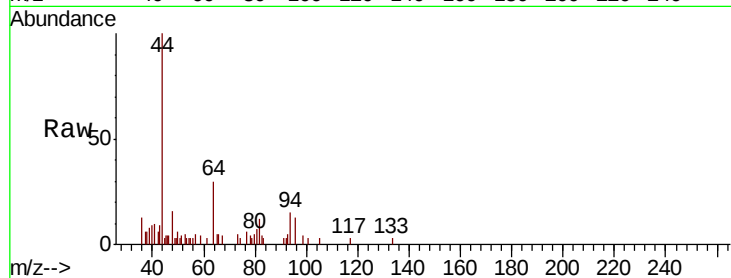
CPA-MW16-001-M24W1-061919

Tot Ion: 94 Resp: 488

Ion Ratio Lower Upper

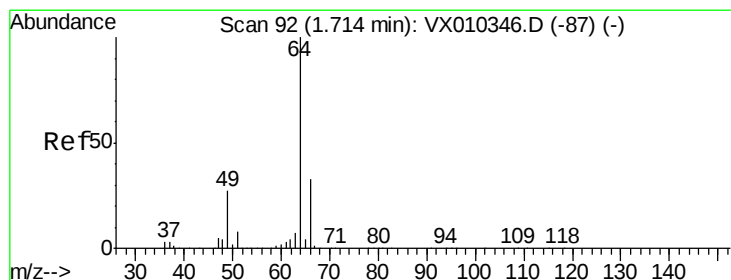
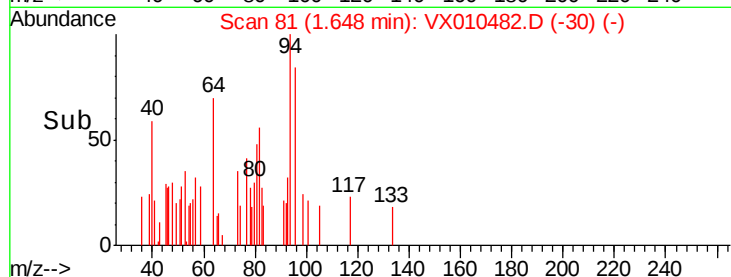
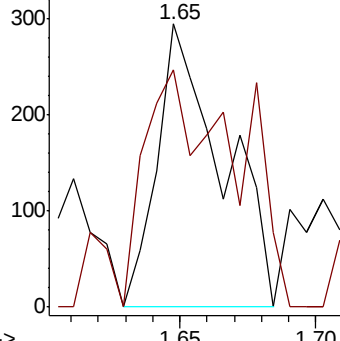
94 100

96 84.0 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: 0.306 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010482.D

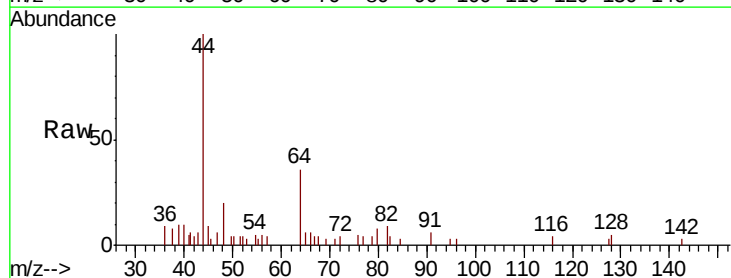
Acq: 27 Jun 2019 12:35

Tgt Ion: 64 Resp: 393

Ion Ratio Lower Upper

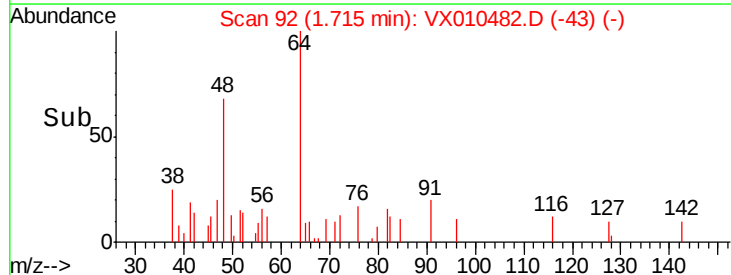
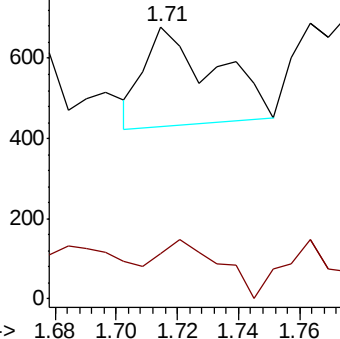
64 100

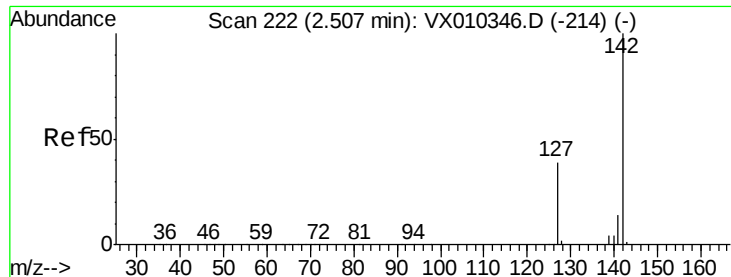
66 16.2 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

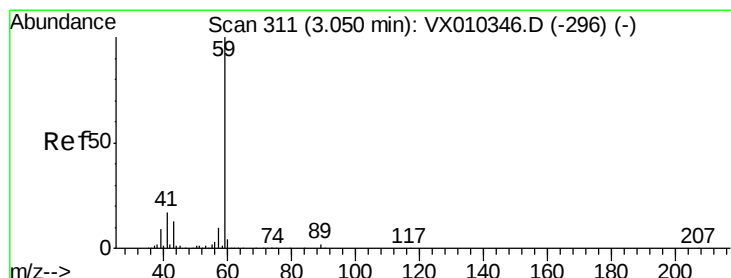
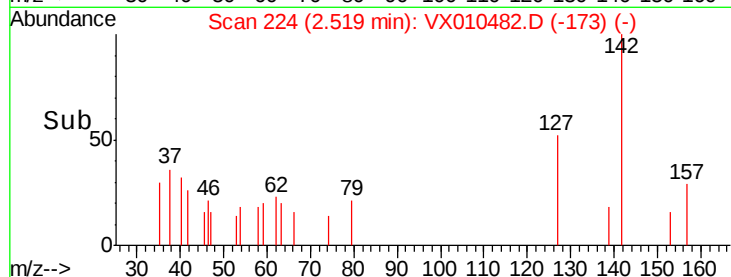
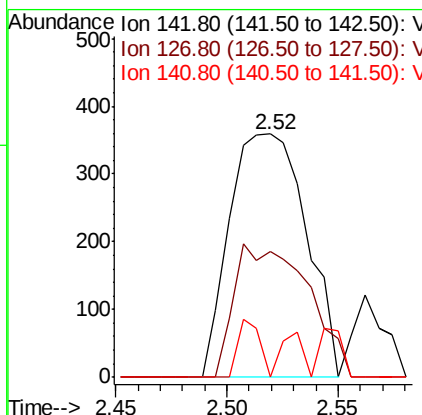
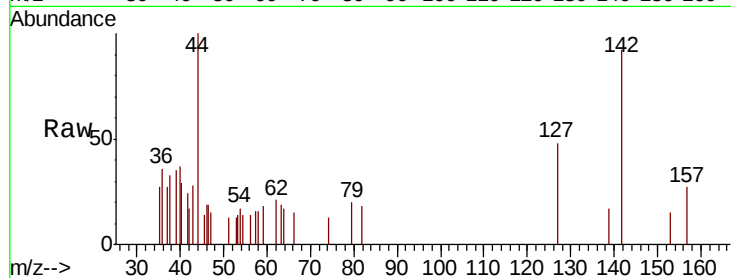




#10
Methvl Iodide
Concen: 0.287 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX010482.D
Acq: 27 Jun 2019 12:35

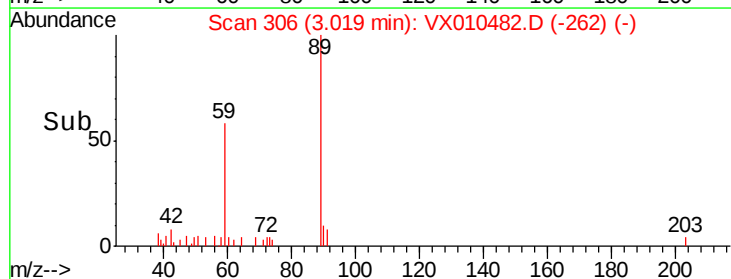
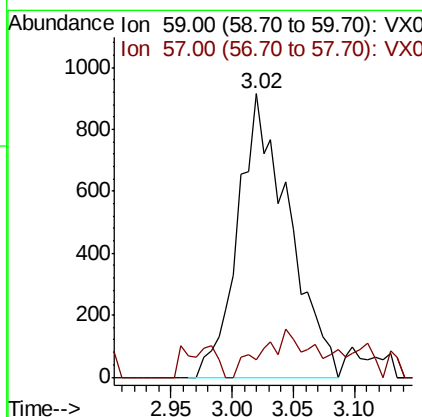
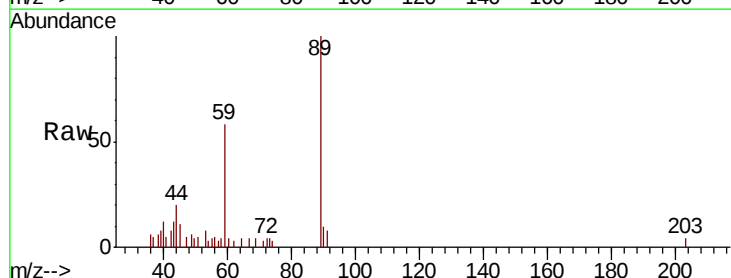
Instrument :
MSVOA_X
ClientSampleId :
CPA-MW16-001-M24W1-061919

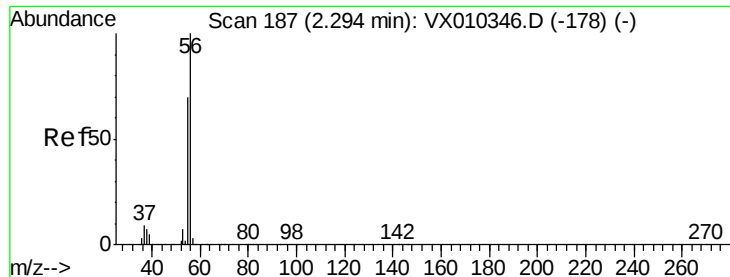
Tot Ion:142 Resp: 858
Ion Ratio Lower Upper
142 100
127 0.0 31.1 46.7#
141 5.1 11.2 16.8#



#11
Tert butyl alcohol
Concen: 4.365 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX010482.D
Acq: 27 Jun 2019 12:35

Tgt Ion: 59 Resp: 2631
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#13

Acrolein

Concen: 0.878 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX010482.D

Acq: 27 Jun 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

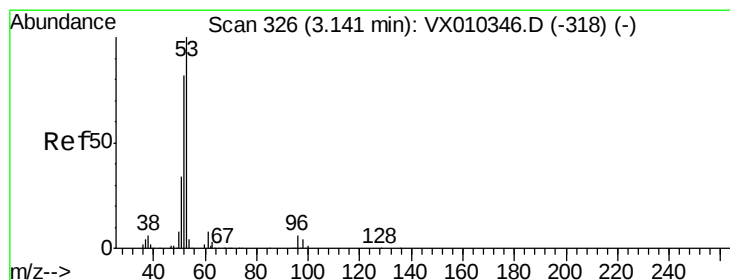
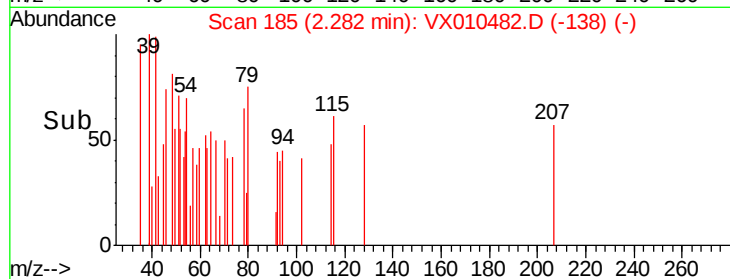
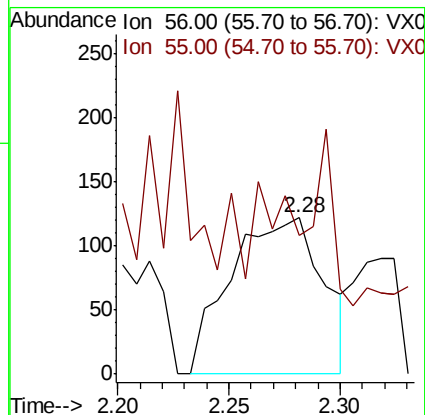
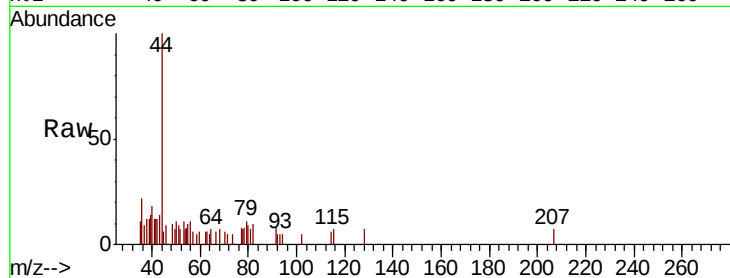
CPA-MW16-001-M24W1-061919

Tot Ion: 56 Resp: 351

Ion Ratio Lower Upper

56 100

55 22.2 56.9 85.3#



#15

Acrylonitrile

Concen: 0.228 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX010482.D

Acq: 27 Jun 2019 12:35

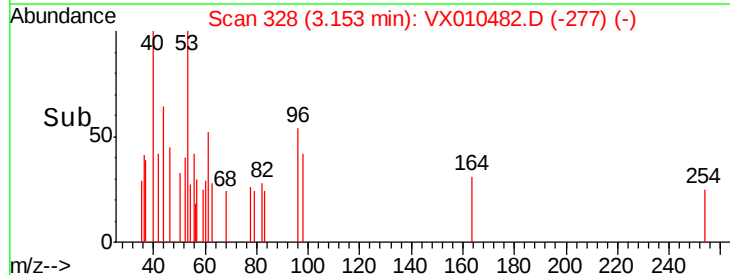
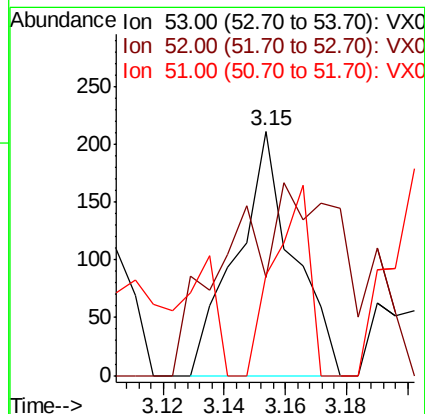
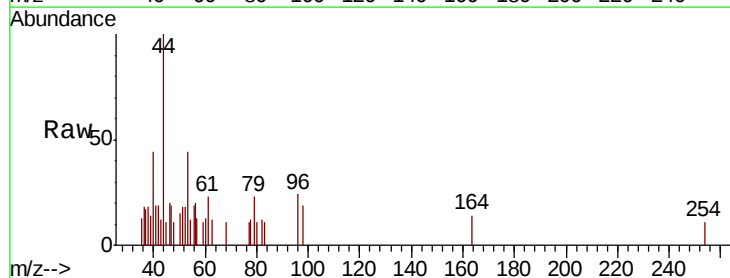
Tgt Ion: 53 Resp: 272

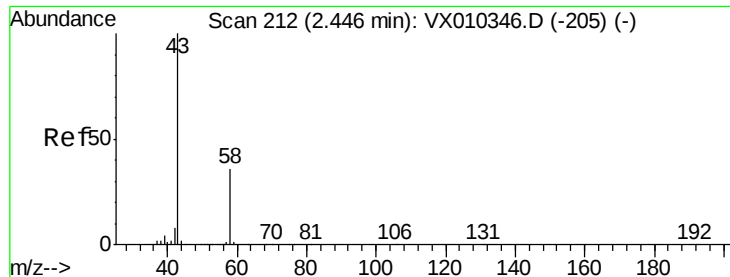
Ion Ratio Lower Upper

53 100

52 109.2 65.5 98.3#

51 49.3 28.2 42.4#





#16

Acetone

Concen: 3.472 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010482.D

Acq: 27 Jun 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

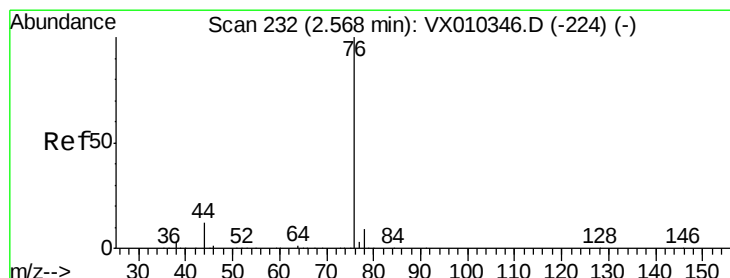
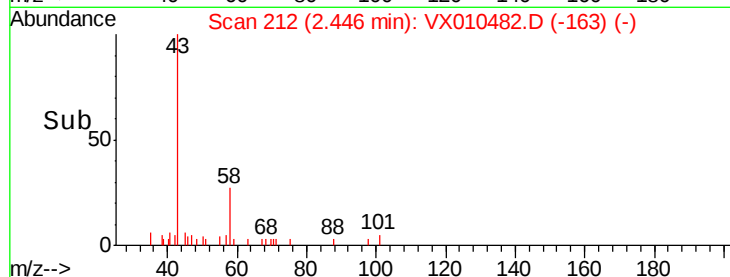
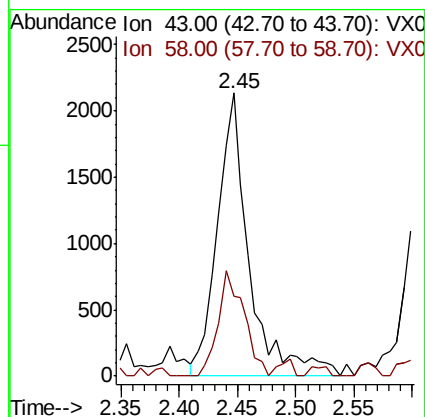
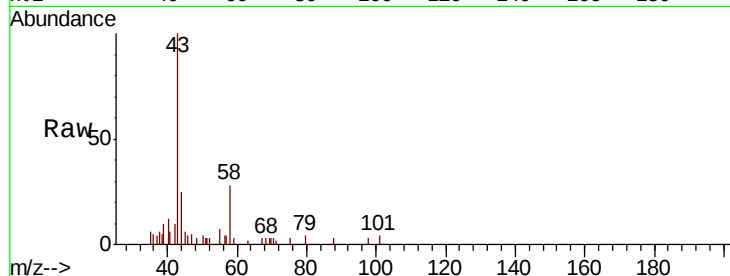
CPA-MW16-001-M24W1-061919

Tot Ion: 43 Resp: 4009

Ion Ratio Lower Upper

43 100

58 28.2 28.9 43.3#



#17

Carbon Disulfide

Concen: 0.218 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX010482.D

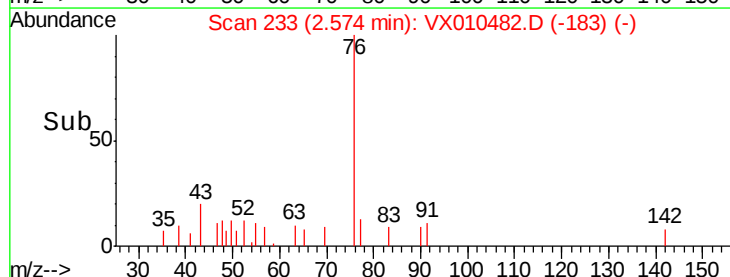
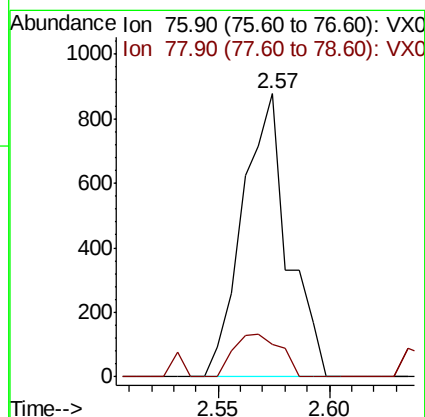
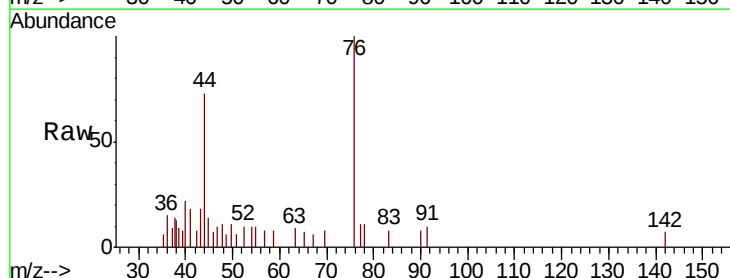
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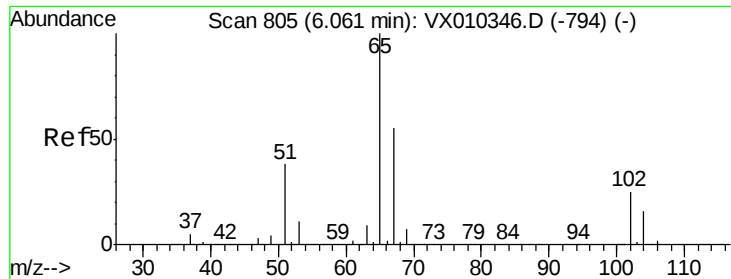
Tgt Ion: 76 Resp: 1245

Ion Ratio Lower Upper

76 100

78 11.3 7.3 10.9#

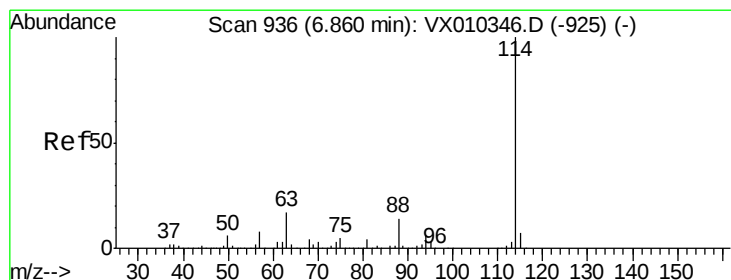
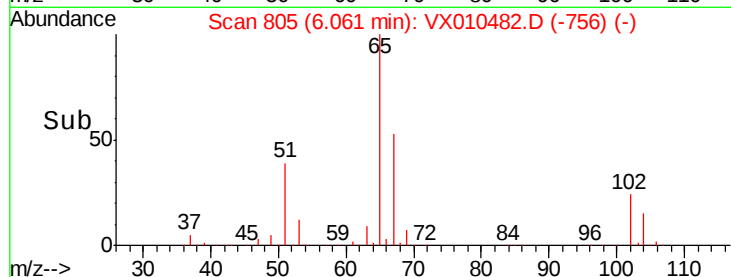
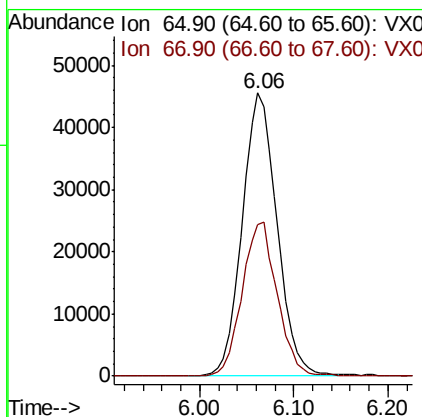
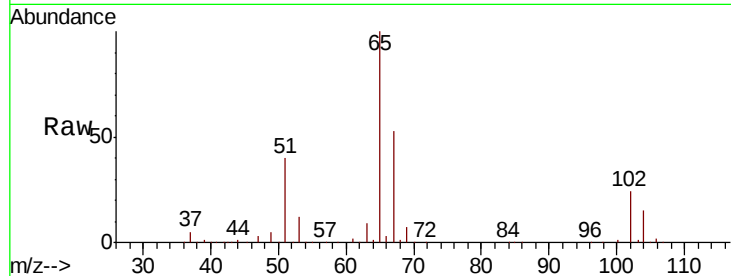




#33
 1,2-Dichloroethane-d4
 Concen: 51.034 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010482.D
 Acq: 27 Jun 2019 12:35

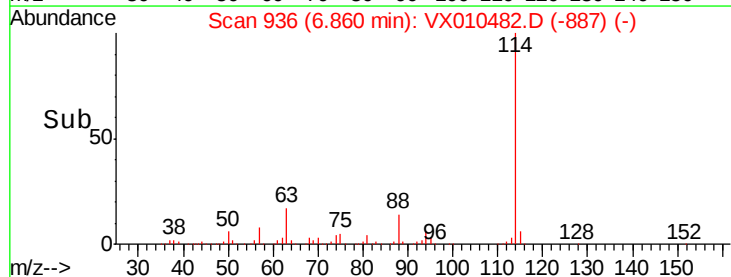
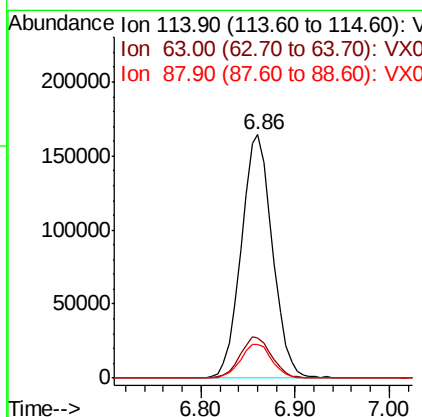
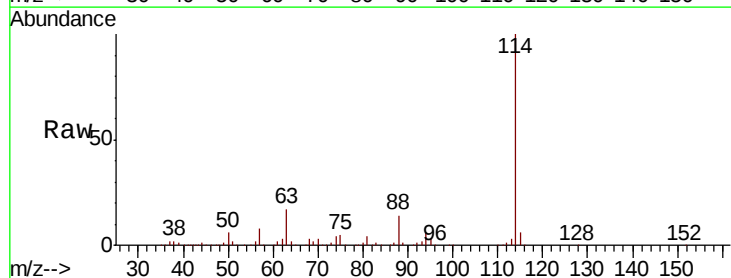
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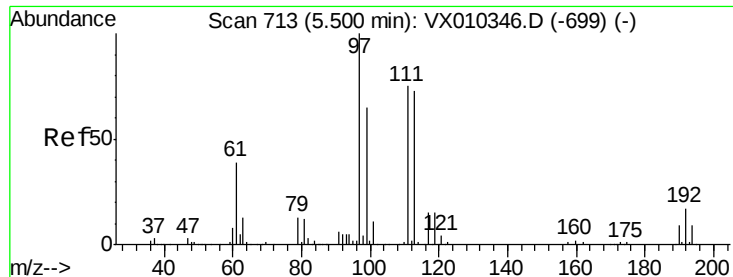
Tot Ion: 65 Resp: 117563
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 110.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010482.D
 Acq: 27 Jun 2019 12:35

Tgt Ion:114 Resp: 380619
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 33.8
 88 13.8 0.0 27.6

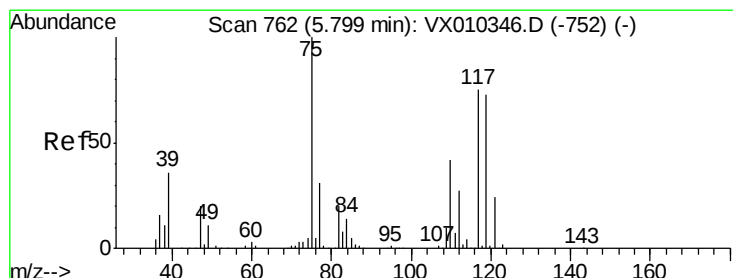
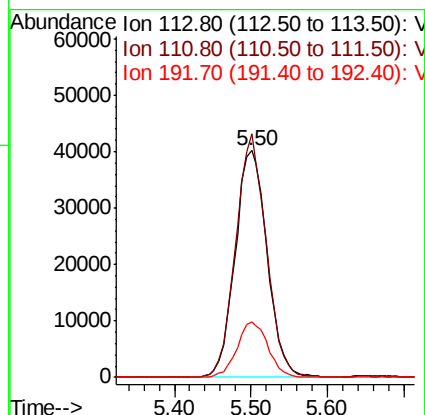
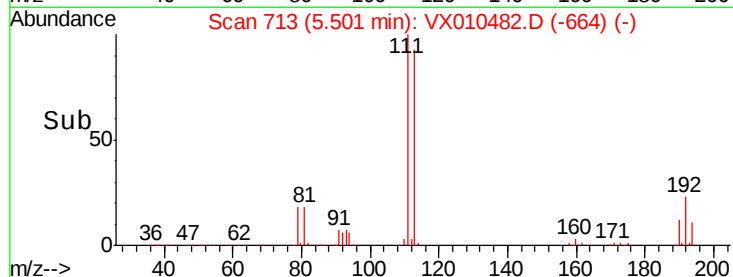
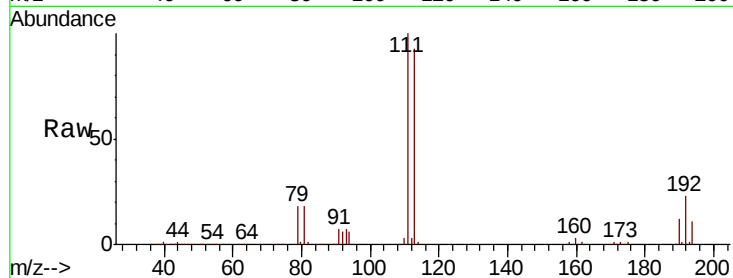




#35
 Dibromofluoromethane
 Concen: 50.146 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010482.D
 Acq: 27 Jun 2019 12:35

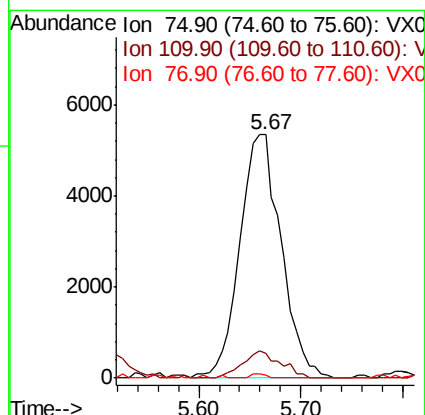
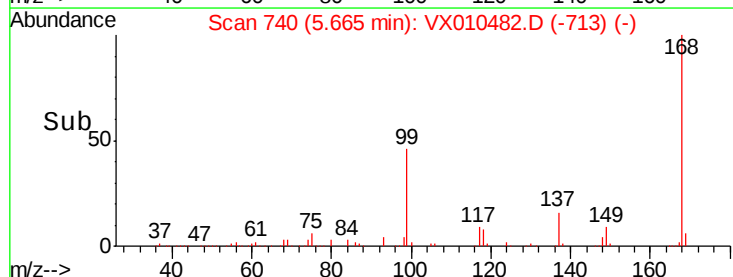
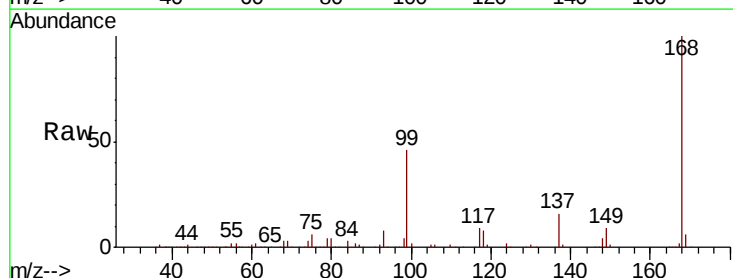
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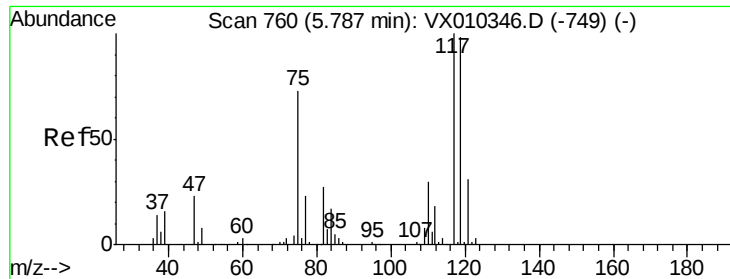
Tot Ion:113 Resp: 116779
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.2 121.8
 192 23.8 18.6 27.8



#36
 1,1-Dichloropropene
 Concen: 4.983 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010482.D
 Acq: 27 Jun 2019 12:35

Tgt Ion: 75 Resp: 15072
 Ion Ratio Lower Upper
 75 100
 110 10.3 20.8 62.2#
 77 0.6 25.4 38.0#





#38

Carbon Tetrachloride

Concen: 6.776 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010482.D

Acq: 27 Jun 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

CPA-MW16-001-M24W1-061919

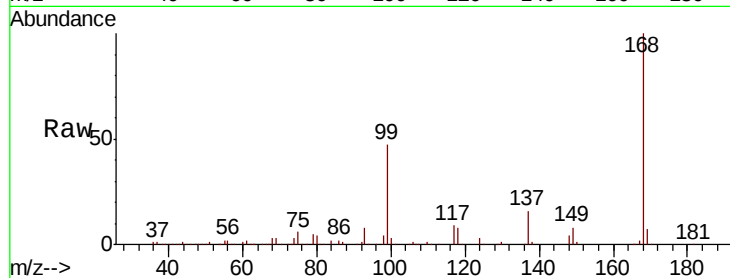
Tot Ion:117 Resp: 22193

Ion Ratio Lower Upper

117 100

119 5.0 78.2 117.4#

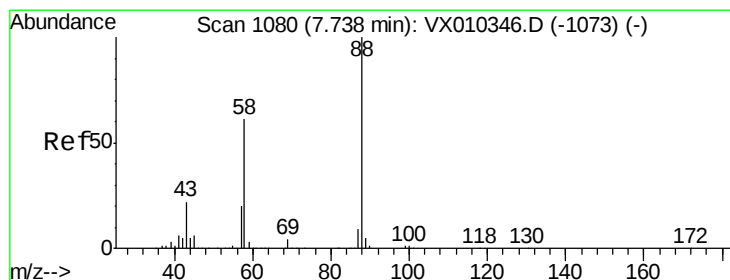
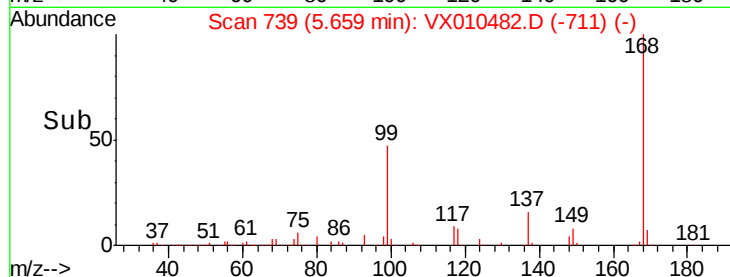
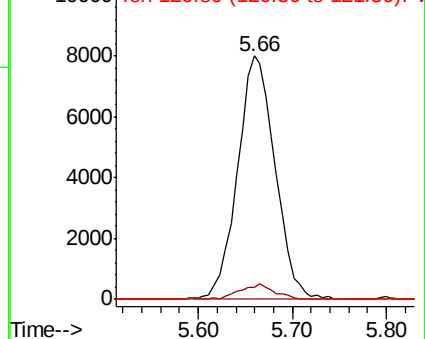
121 0.0 24.7 37.1#



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: 0.377 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX010482.D

Acq: 27 Jun 2019 12:35

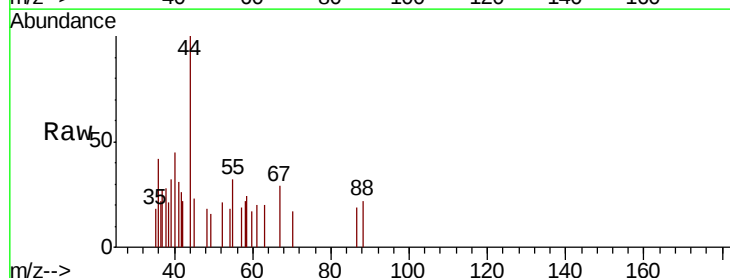
Tgt Ion: 88 Resp: 26

Ion Ratio Lower Upper

88 100

43 1007.7 20.2 30.2#

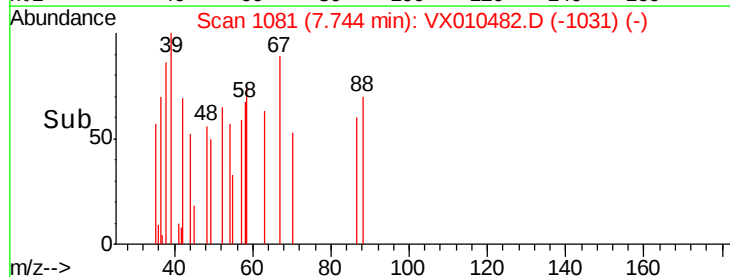
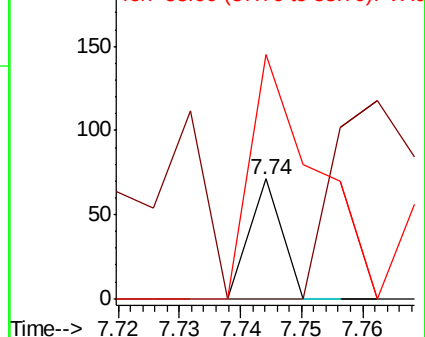
58 415.4 49.5 74.3#

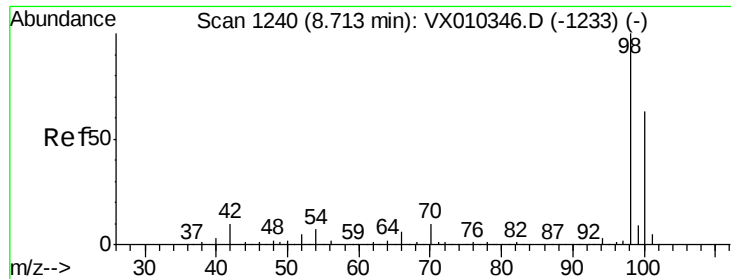


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

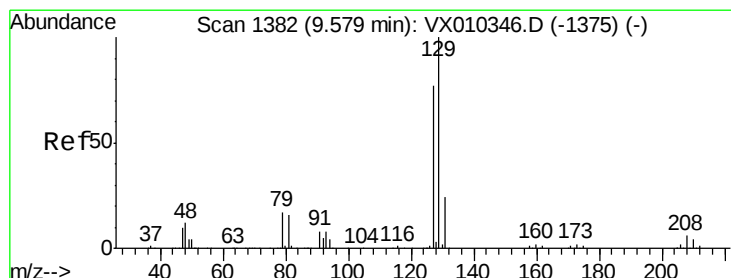
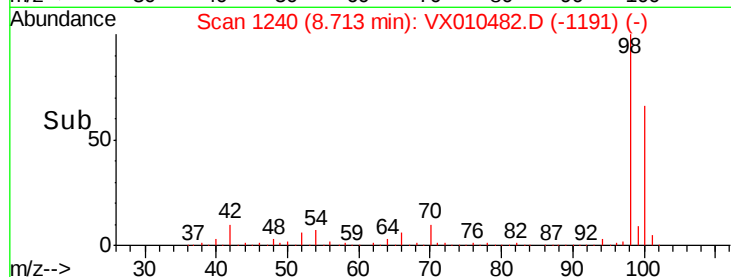
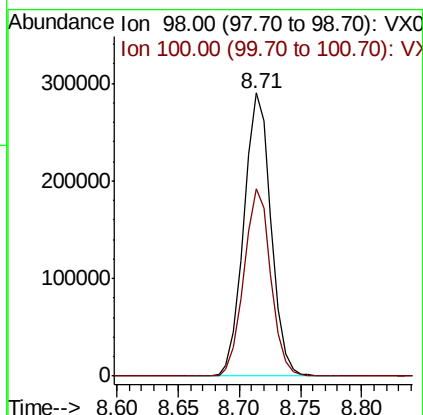
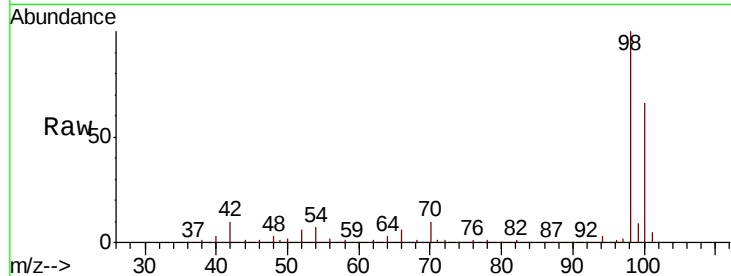




#50
Toluene-d8
Concen: 50.200 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010482.D
Acq: 27 Jun 2019 12:35

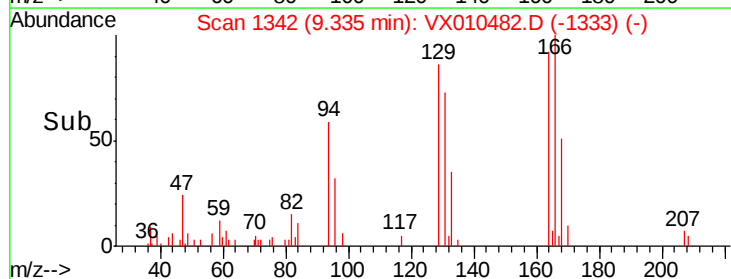
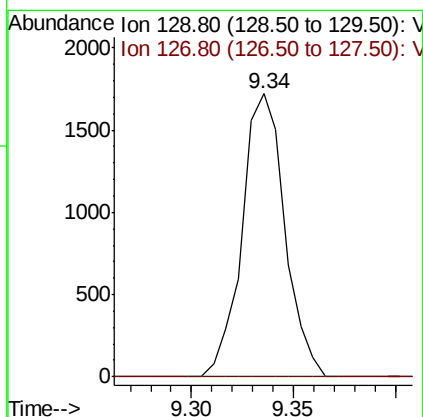
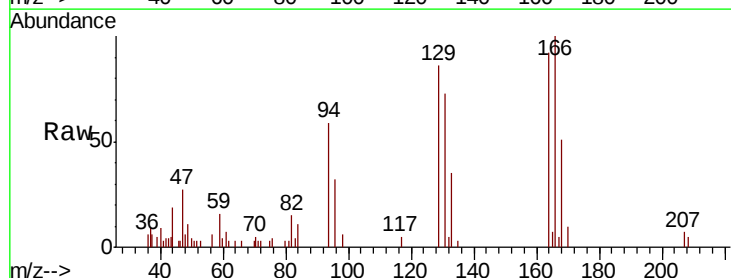
Instrument :
MSVOA_X
ClientSampleId :
CPA-MW16-001-M24W1-061919

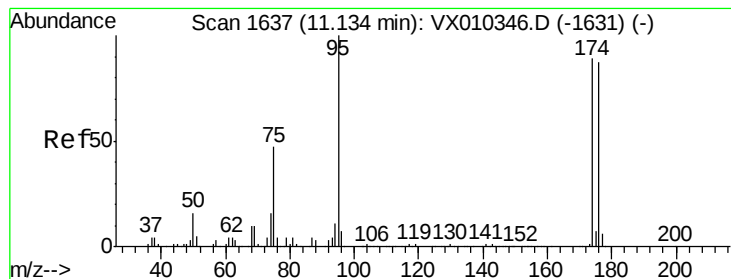
Tot Ion: 98 Resp: 447248
Ion Ratio Lower Upper
98 100
100 65.6 51.6 77.4



#60
Dibromochloromethane
Concen: 0.876 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX010482.D
Acq: 27 Jun 2019 12:35

Tgt Ion:129 Resp: 2509
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.1#





#62

4-Bromofluorobenzene

Concen: 45.888 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010482.D

Acq: 27 Jun 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

CPA-MW16-001-M24W1-061919

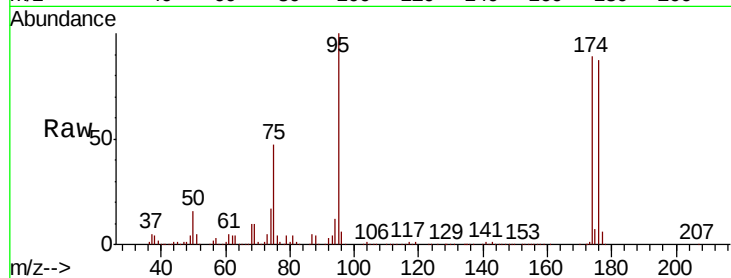
Tot Ion: 95 Resp: 147601

Ion Ratio Lower Upper

95 100

174 96.3 0.0 187.6

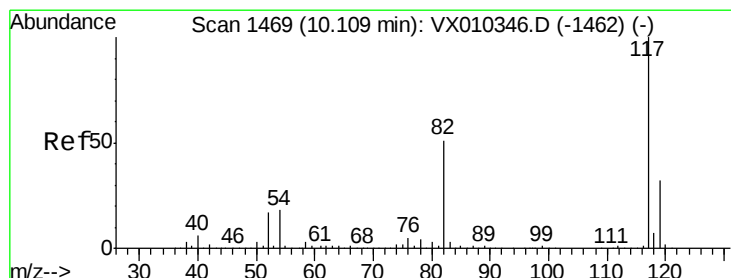
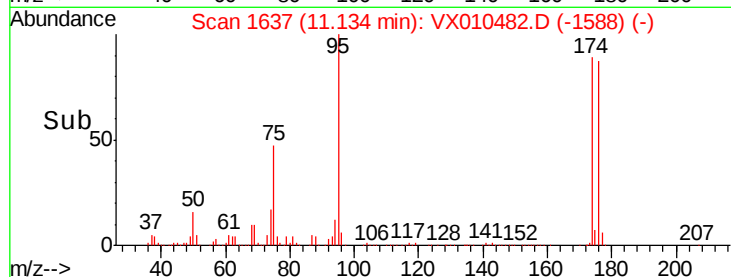
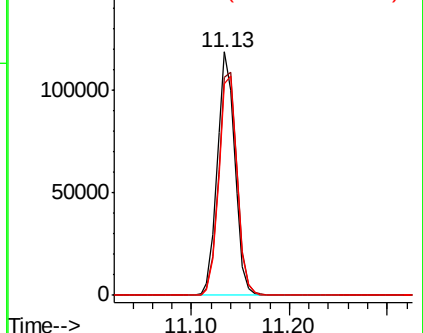
176 93.5 0.0 184.0



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: VX010482.D

Acq: 27 Jun 2019 12:35

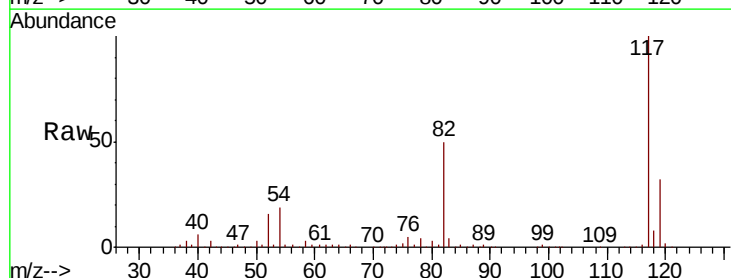
Tgt Ion: 117 Resp: 342762

Ion Ratio Lower Upper

117 100

82 50.4 41.2 61.8

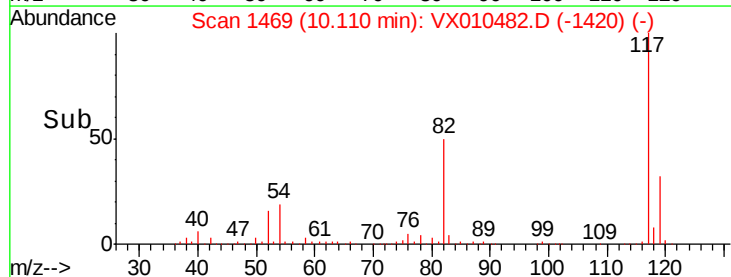
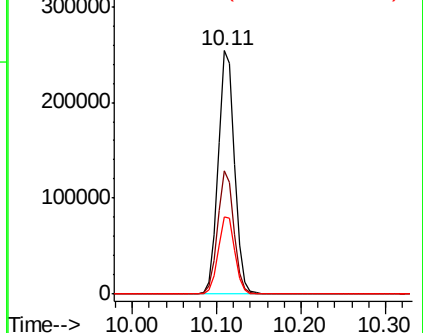
119 31.8 25.5 38.3

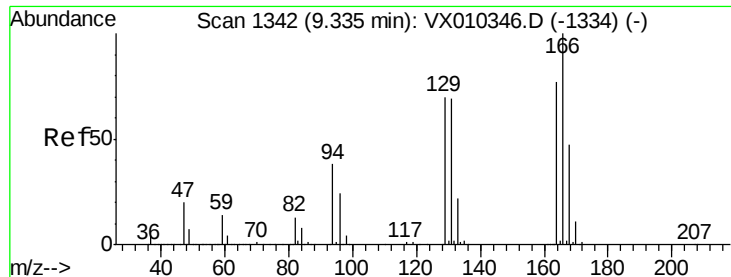


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 0.968 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX010482.D

Acq: 27 Jun 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

CPA-MW16-001-M24W1-061919

Tot Ion:164 Resp: 2685

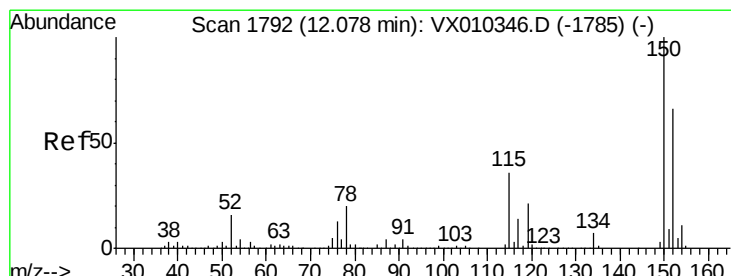
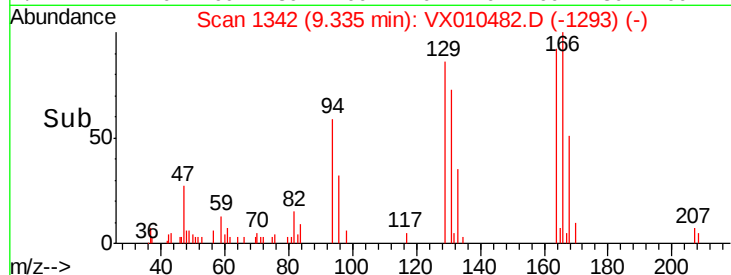
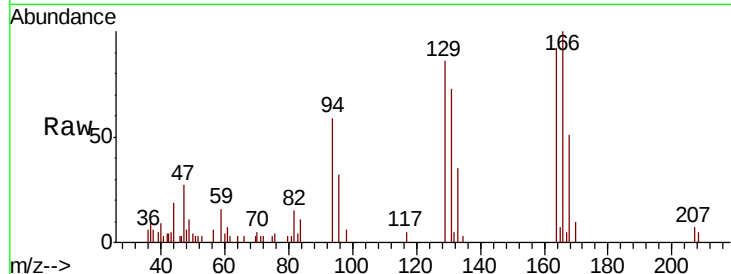
Ion Ratio Lower Upper

164 100

166 108.2 103.6 155.4

129 93.1 73.0 109.4

131 78.6 71.0 106.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010482.D

Acq: 27 Jun 2019 12:35

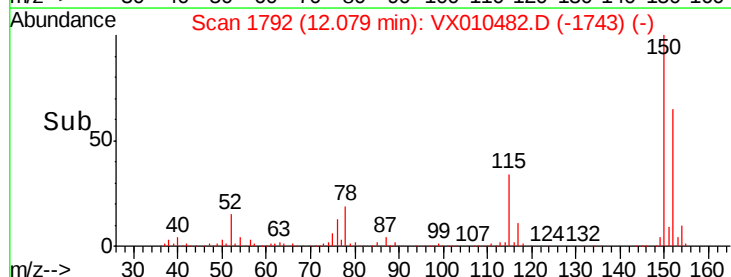
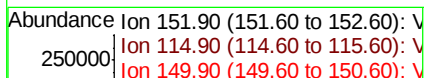
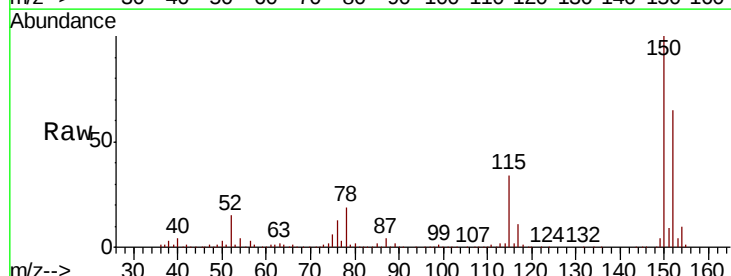
Tgt Ion:152 Resp: 160078

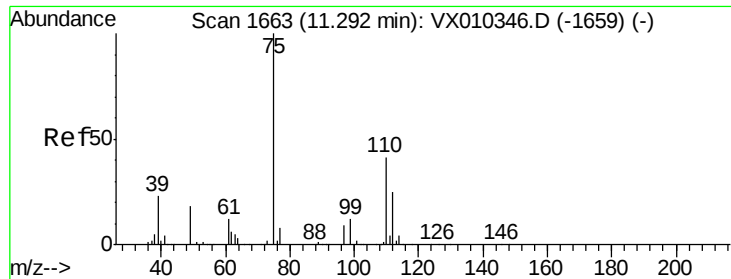
Ion Ratio Lower Upper

152 100

115 53.3 38.6 115.7

150 154.9 0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 23.963 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010482.D

Acq: 27 Jun 2019 12:35

Instrument :

MSVOA_X

ClientSampleId :

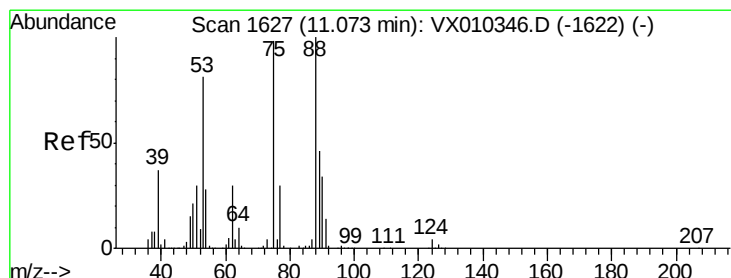
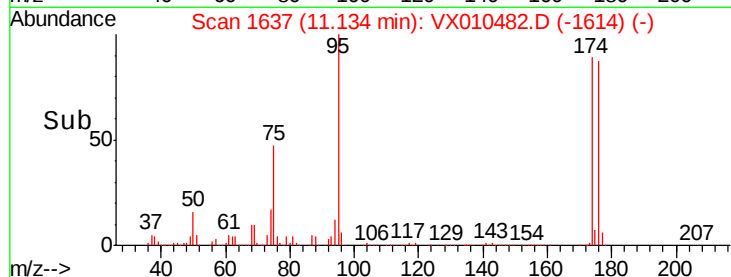
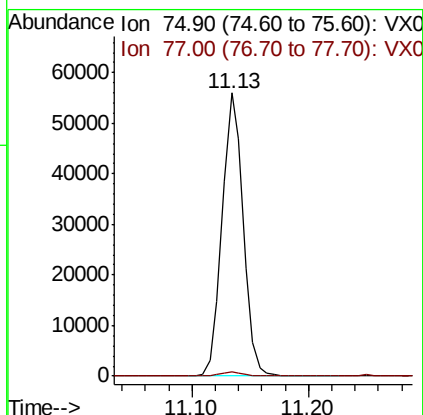
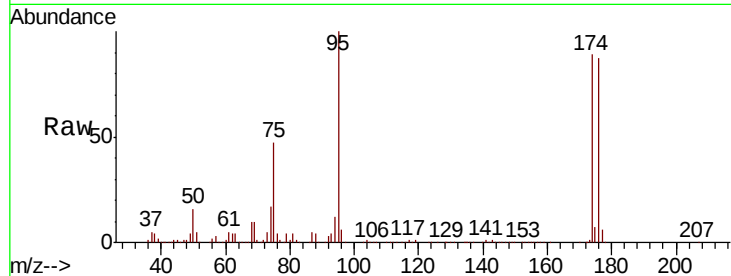
CPA-MW16-001-M24W1-061919

Tot Ion: 75 Resp: 69900

Ion Ratio Lower Upper

75 100

77 1.6 22.6 67.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 55.902 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010482.D

Acq: 27 Jun 2019 12:35

Tgt Ion: 75 Resp: 69900

Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

89 0.0 37.8 56.6#

