

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031419\
 Data File : VX008099.D
 Acq On : 15 Mar 2019 04:40
 Operator : JC/SP
 Sample : K1829-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-MW16-001-M20W2-030419

Quant Time: Mar 15 05:44:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 03:56:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	285874	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	434748	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	411784	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	203852	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	145413	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
35) Dibromofluoromethane	5.51	113	140034	50.79	ug/l	0.00
Spiked Amount			Recovery	=	101.58%	
50) Toluene-d8	8.71	98	521597	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
62) 4-Bromofluorobenzene	11.13	95	192336	51.20	ug/l	0.00
Spiked Amount			Recovery	=	102.40%	

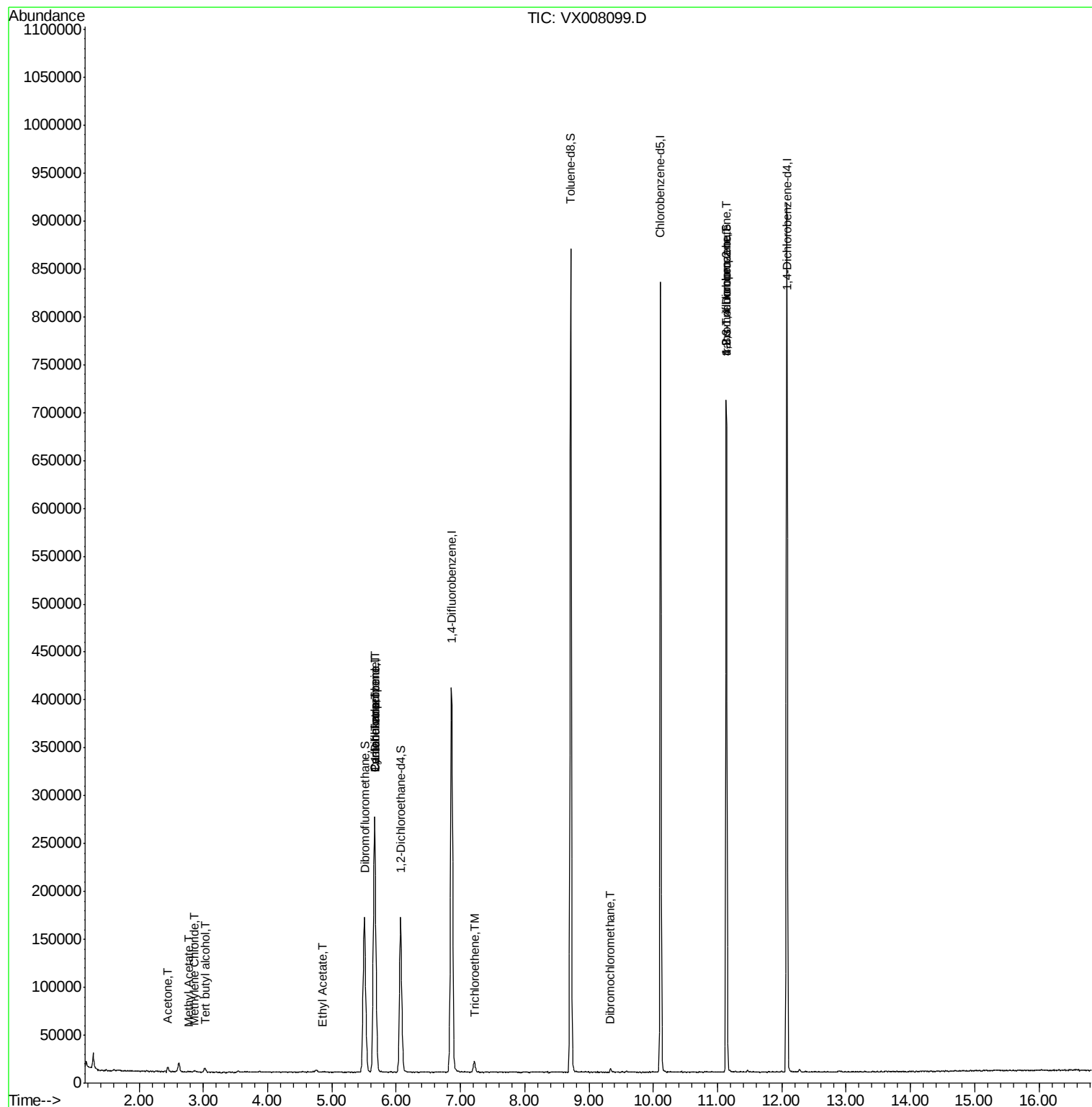
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	154	Below Cal	#	79
6) Chloroethane	1.67	64	284	Below Cal	#	84
11) Tert butyl alcohol	3.03	59	2524	4.530	ug/l #	73
16) Acetone	2.45	43	5022	3.689	ug/l #	88
18) Methyl Acetate	2.78	43	850	0.289	ug/l #	82
20) Methylene Chloride	2.87	84	666	0.274	ug/l #	72
31) Cyclohexane	5.67	56	4001	0.970	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	16668	4.660	ug/l #	49
37) Ethyl Acetate	4.86	43	1191	0.310	ug/l #	78
38) Carbon Tetrachloride	5.67	117	23385	6.793	ug/l #	17
44) Trichloroethene	7.21	130	4834	1.529	ug/l	94
60) Dibromochloromethane	9.34	129	673	0.230	ug/l #	11
76) 1,2,3-Trichloropropane	11.13	75	86580	24.455	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	86580	69.591	ug/l #	11

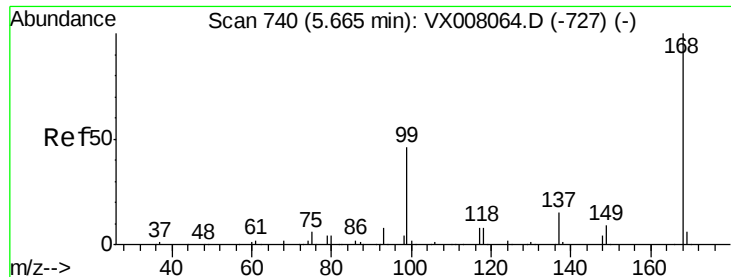
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008099.D

Acq: 15 Mar 2019 04:40

Instrument :

MSVOA_X

ClientSampleId :

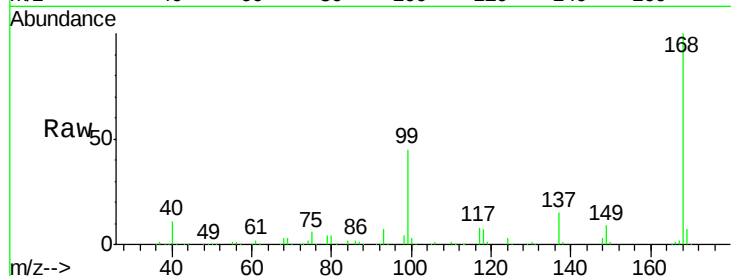
CPA-MW16-001-M20W2-030419

Tot Ion:168 Resp: 285874

Ion Ratio Lower Upper

168 100

99 45.4 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

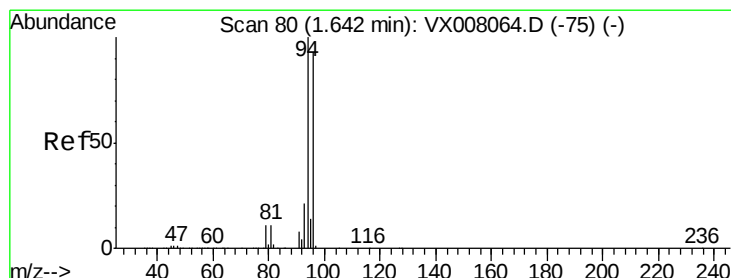
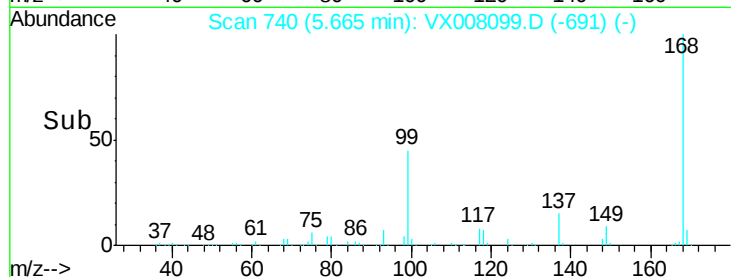
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX008099.D

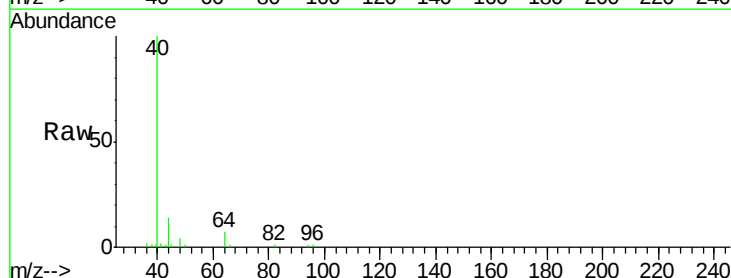
Acq: 15 Mar 2019 04:40

Tgt Ion: 94 Resp: 154

Ion Ratio Lower Upper

94 100

96 73.6 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

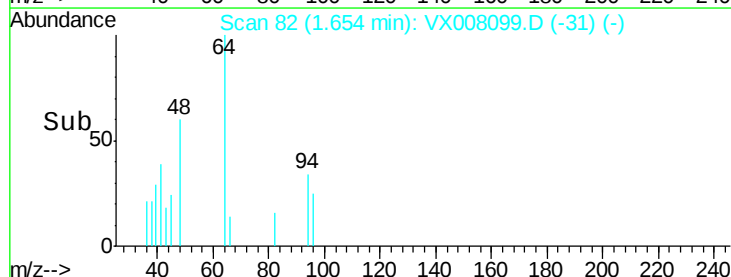
150

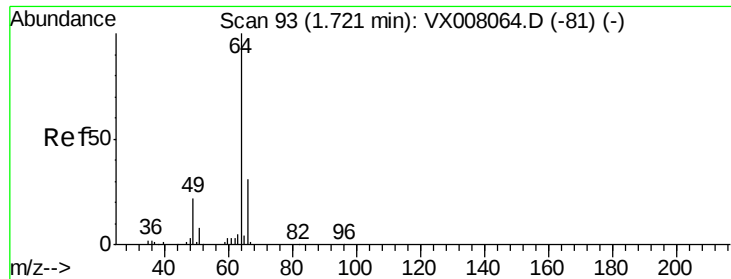
100

50

0

Time--> 1.64 1.66 1.68





#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 84

Delta R.T. -0.05 min

Lab File: VX008099.D

Acq: 15 Mar 2019 04:40

Instrument :

MSVOA_X

ClientSampleId :

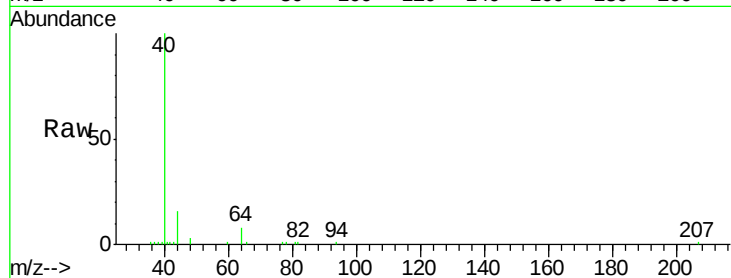
CPA-MW16-001-M20W2-030419

Tot Ion: 64 Resp: 284

Ion Ratio Lower Upper

64 100

66 40.6 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.67

800

600

400

200

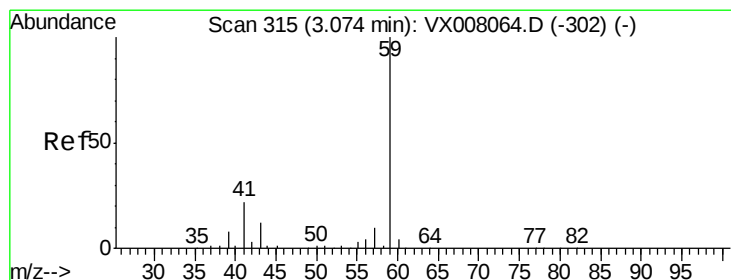
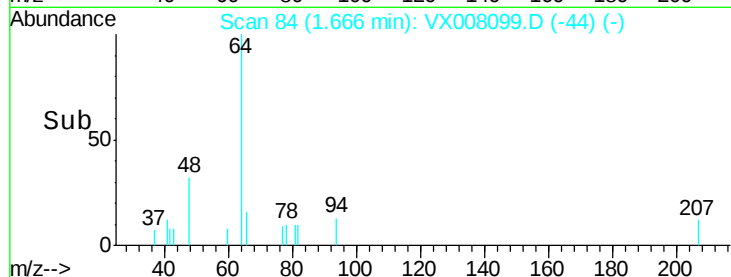
0

1.64

1.66

1.68

Time-->



#11

Tert butyl alcohol

Concen: 4.530 ug/l

RT: 3.03 min Scan# 308

Delta R.T. -0.04 min

Lab File: VX008099.D

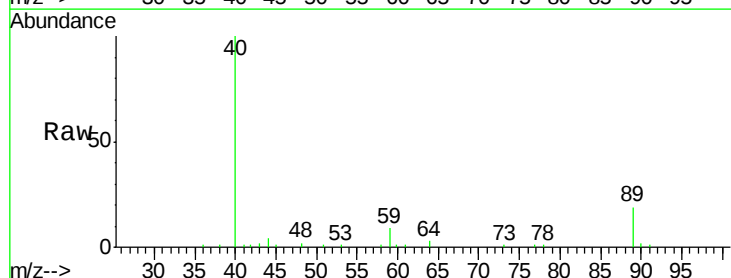
Acq: 15 Mar 2019 04:40

Tgt Ion: 59 Resp: 2524

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.03

1000

800

600

400

200

0

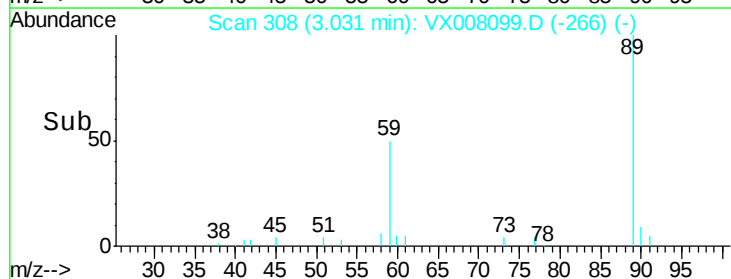
2.95

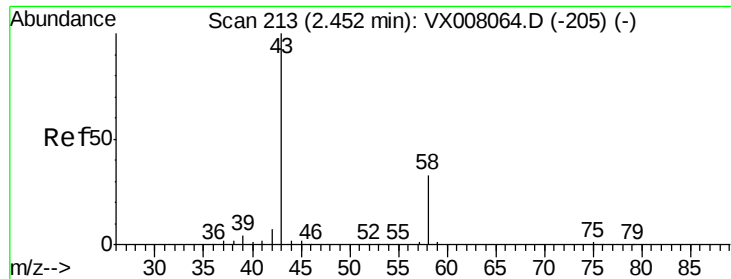
3.00

3.05

3.10

Time-->





#16

Acetone

Concen: 3.689 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX008099.D

Acq: 15 Mar 2019 04:40

Instrument :

MSVOA_X

ClientSampleId :

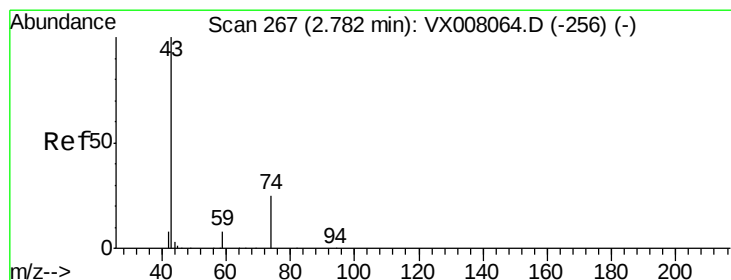
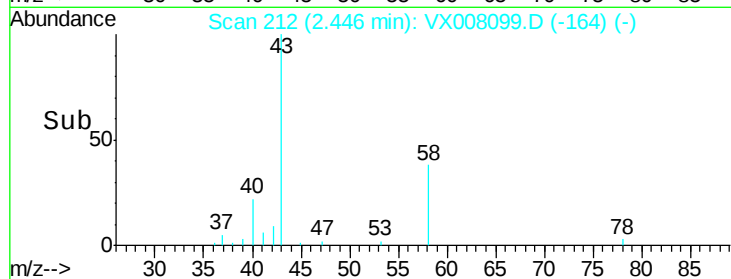
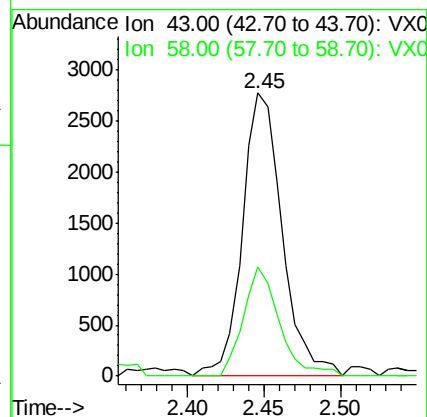
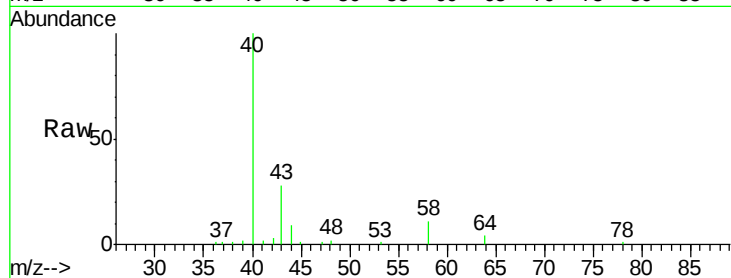
CPA-MW16-001-M20W2-030419

Tot Ion: 43 Resp: 5022

Ion Ratio Lower Upper

43 100

58 38.4 25.5 38.3#



#18

Methyl Acetate

Concen: 0.289 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX008099.D

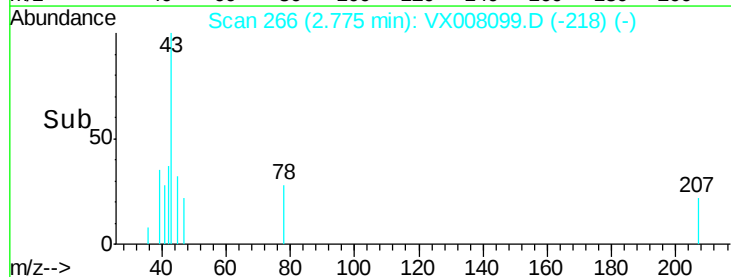
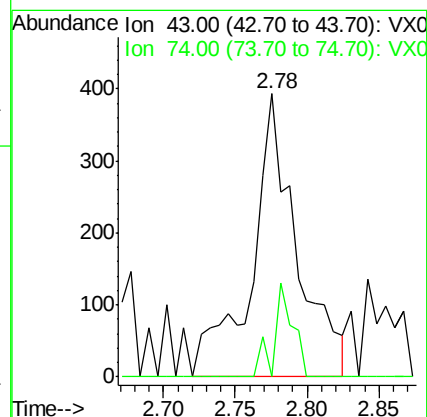
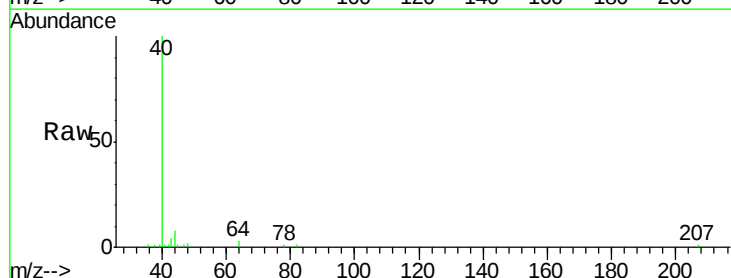
Acq: 15 Mar 2019 04:40

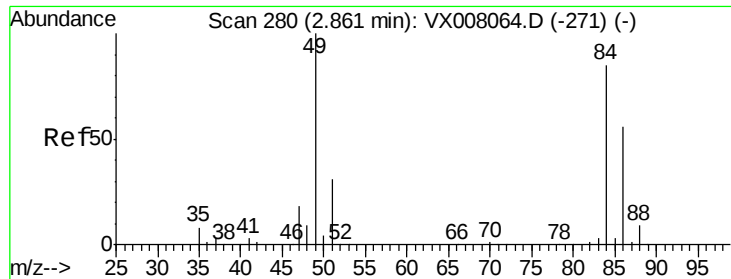
Tgt Ion: 43 Resp: 850

Ion Ratio Lower Upper

43 100

74 13.8 17.8 26.6#

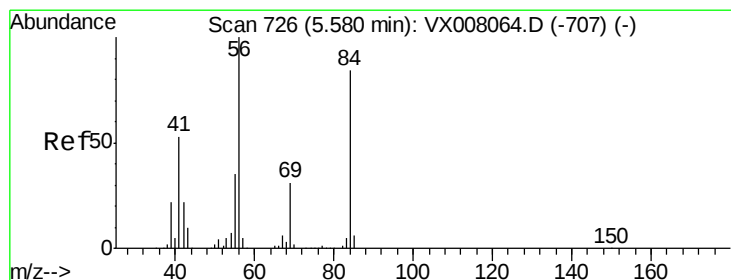
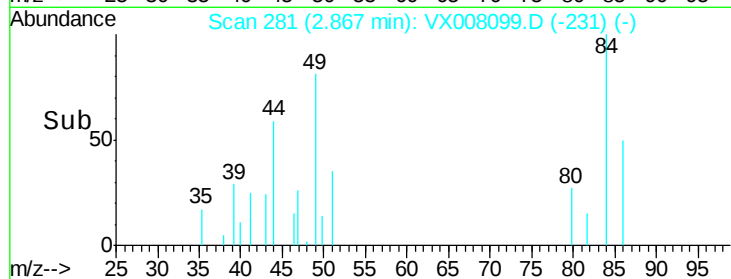
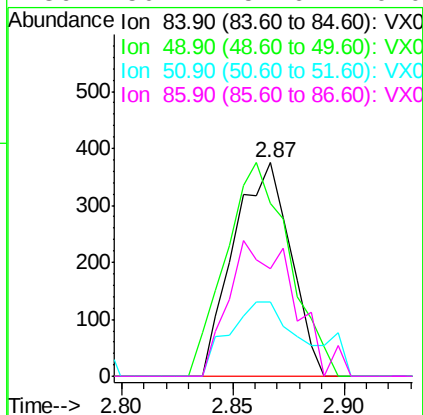
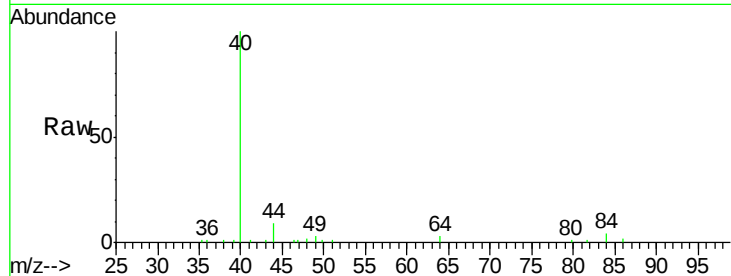




#20
Methylene Chloride
Concen: 0.274 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX008099.D
Acq: 15 Mar 2019 04:40

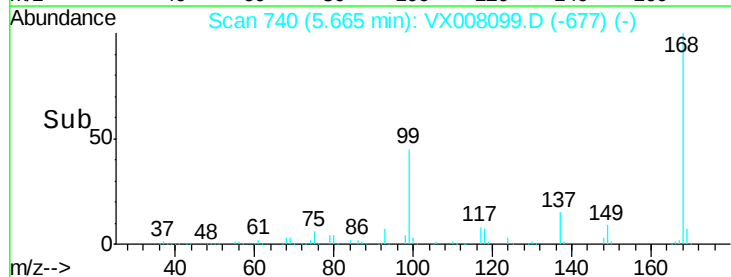
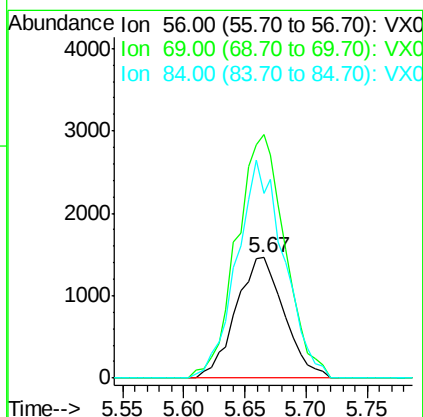
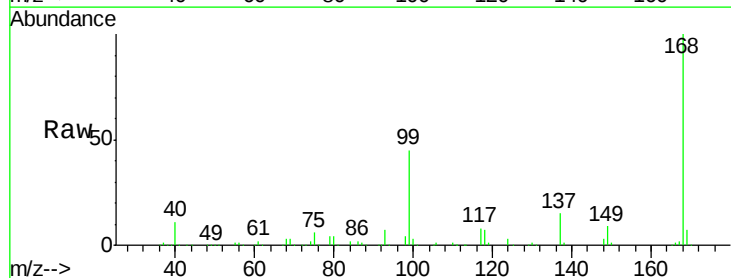
Instrument :
MSVOA_X
ClientSampleId :
CPA-MW16-001-M20W2-030419

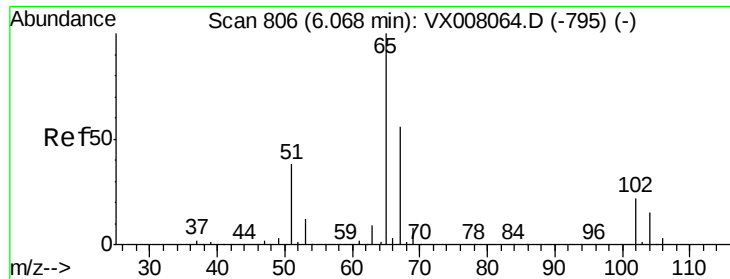
Tot Ion: 84 Resp: 666
Ion Ratio Lower Upper
84 100
49 80.8 99.3 148.9#
51 34.7 31.3 46.9
86 50.4 52.6 79.0#



#31
Cyclohexane
Concen: 0.970 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX008099.D
Acq: 15 Mar 2019 04:40

Tgt Ion: 56 Resp: 4001
Ion Ratio Lower Upper
56 100
69 202.5 24.0 36.0#
84 153.1 65.3 97.9#

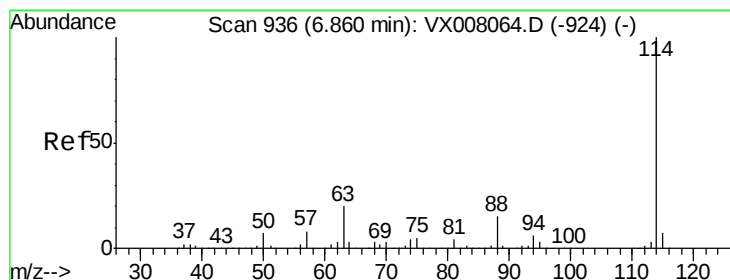
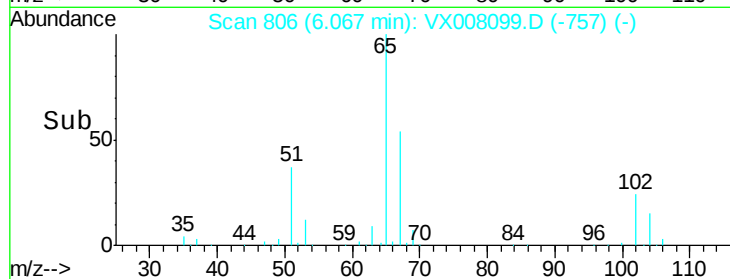
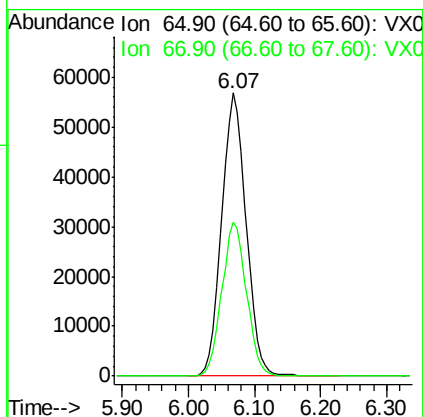
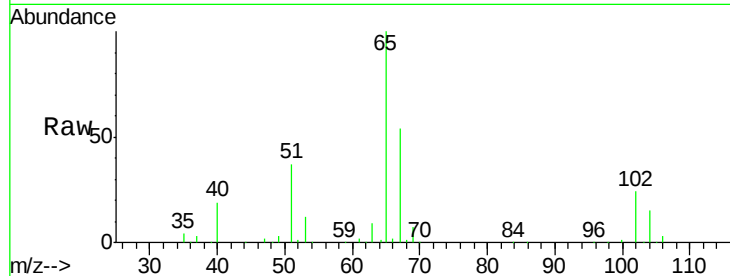




#33
 1,2-Dichloroethane-d4
 Concen: 50.425 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX008099.D
 Acq: 15 Mar 2019 04:40

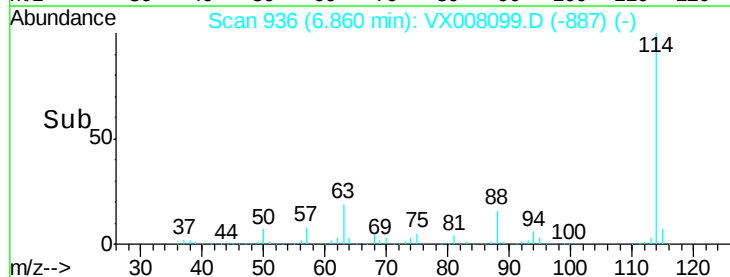
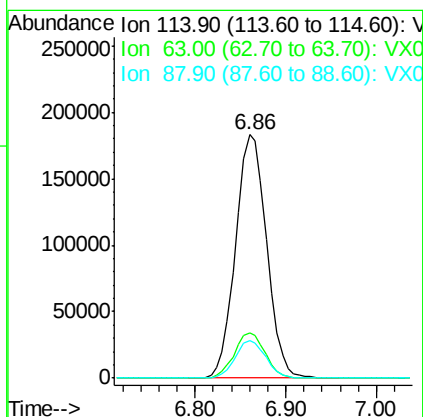
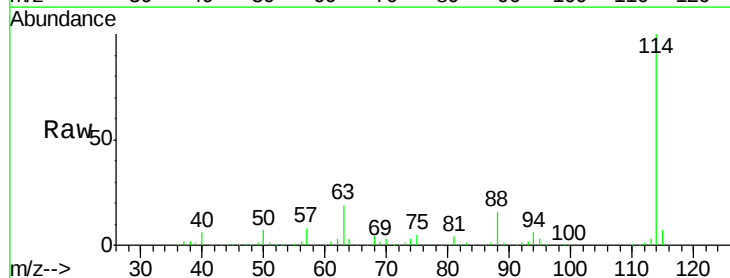
Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-MW16-001-M20W2-030419

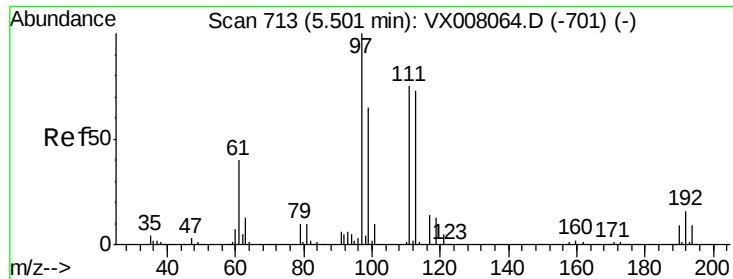
Tot Ion: 65 Resp: 145413
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008099.D
 Acq: 15 Mar 2019 04:40

Tgt Ion: 114 Resp: 434748
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 39.8
 88 15.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.793 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX008099.D

Acq: 15 Mar 2019 04:40

Instrument :

MSVOA_X

ClientSampleId :

CPA-MW16-001-M20W2-030419

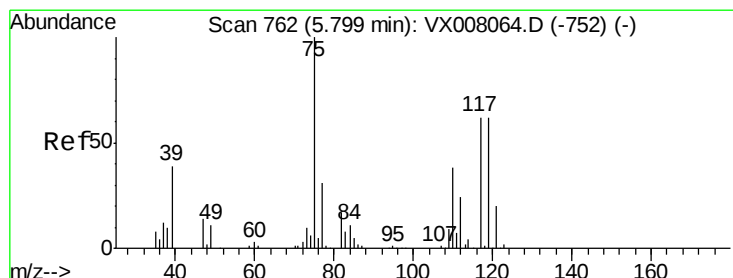
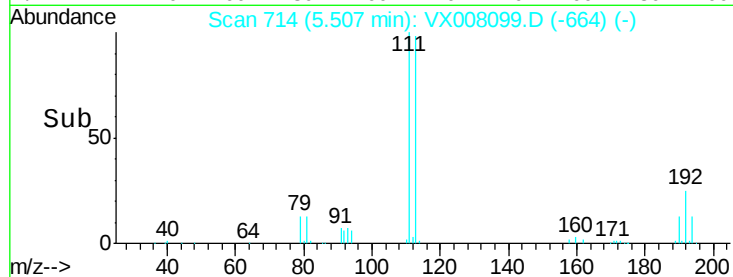
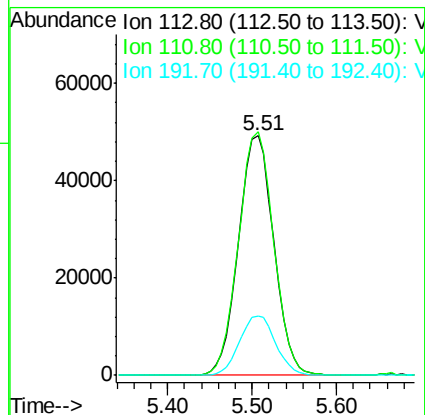
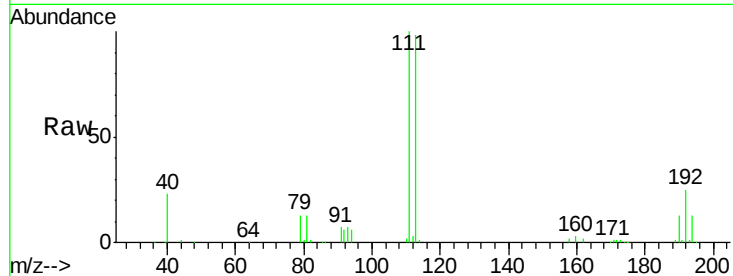
Tot Ion:113 Resp: 140034

Ion Ratio Lower Upper

113 100

111 101.3 81.4 122.0

192 25.3 19.4 29.0



#36

1,1-Dichloropropene

Concen: 4.660 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX008099.D

Acq: 15 Mar 2019 04:40

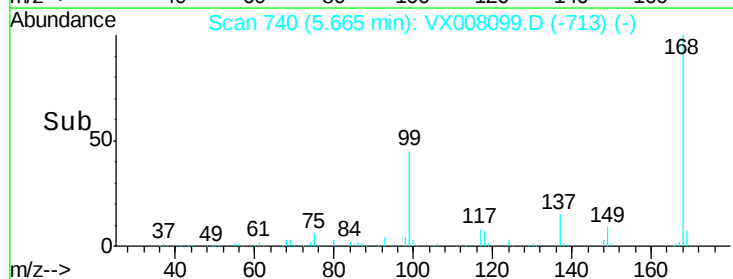
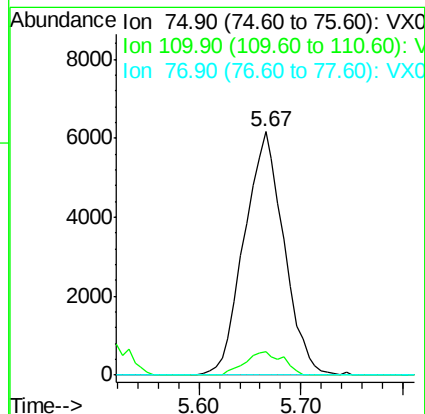
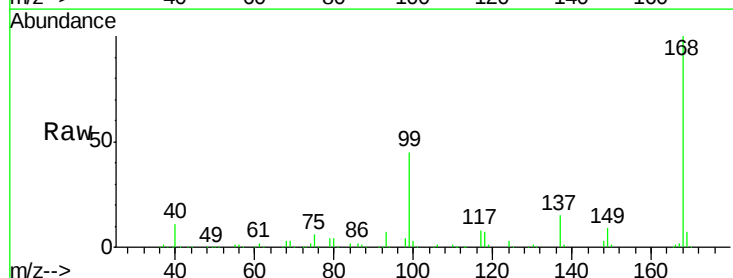
Tgt Ion: 75 Resp: 16668

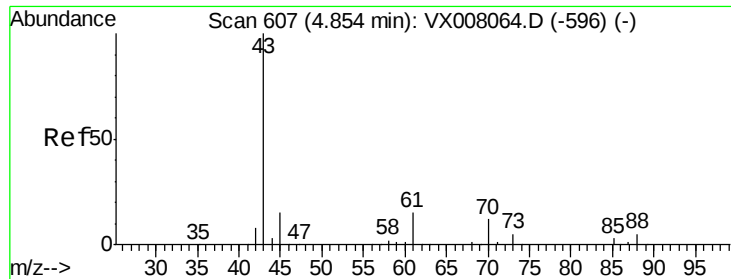
Ion Ratio Lower Upper

75 100

110 9.2 18.4 55.0#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.310 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.01 min

Lab File: VX008099.D

Acq: 15 Mar 2019 04:40

Instrument :

MSVOA_X

ClientSampleId :

CPA-MW16-001-M20W2-030419

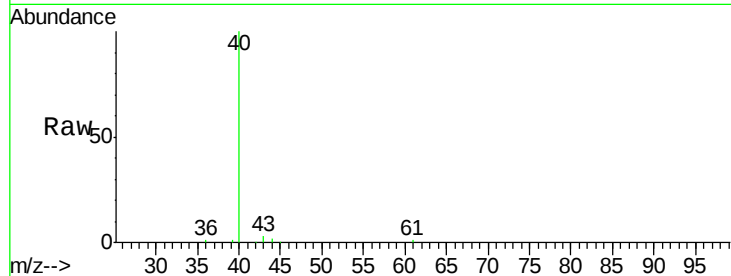
Tot Ion: 43 Resp: 1191

Ion Ratio Lower Upper

43 100

61 7.1 11.3 16.9#

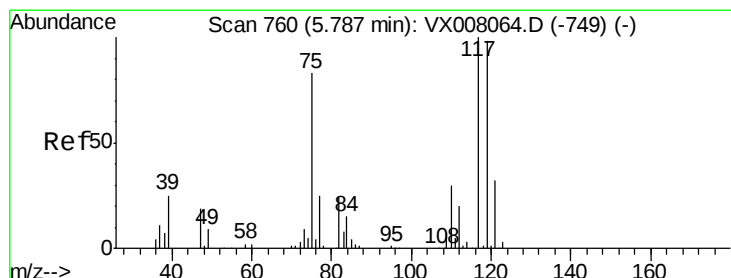
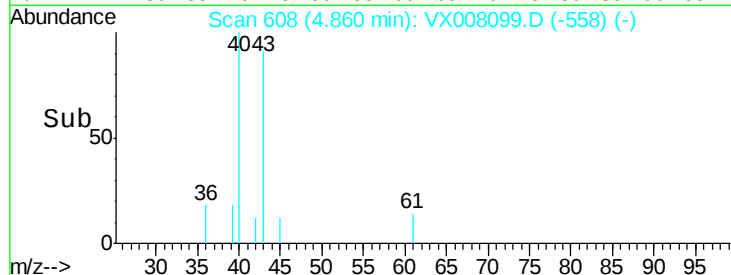
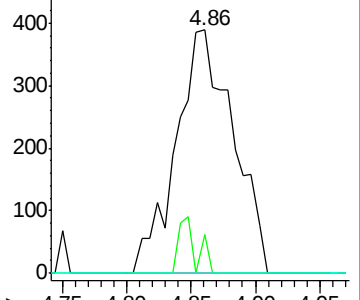
70 0.0 8.5 12.7#



Abundance Ion 43.00 (42.70 to 43.70): VX008064.D (-596) (-)

Ion 60.90 (60.60 to 61.60): VX008064.D (-596) (-)

Ion 70.00 (69.70 to 70.70): VX008064.D (-596) (-)



#38

Carbon Tetrachloride

Concen: 6.793 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008099.D

Acq: 15 Mar 2019 04:40

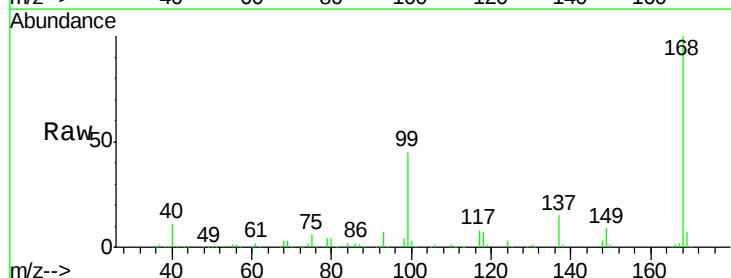
Tgt Ion: 117 Resp: 23385

Ion Ratio Lower Upper

117 100

119 6.5 76.2 114.2#

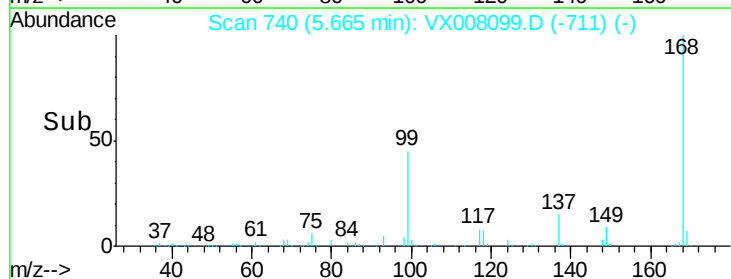
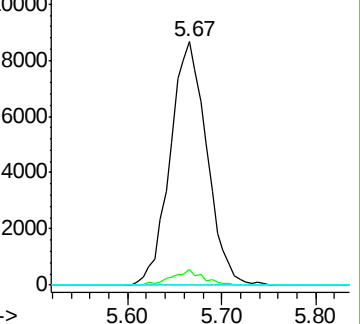
121 0.0 24.6 36.8#

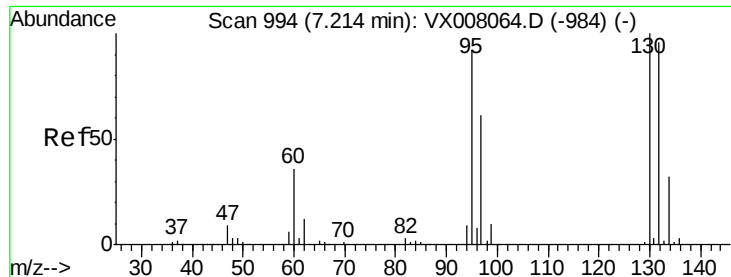


Abundance Ion 116.80 (116.50 to 117.50): VX008064.D (-749) (-)

Ion 118.80 (118.50 to 119.50): VX008064.D (-749) (-)

Ion 120.80 (120.50 to 121.50): VX008064.D (-749) (-)





#44

Trichloroethene

Concen: 1.529 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008099.D

Acq: 15 Mar 2019 04:40

Instrument :

MSVOA_X

ClientSampleId :

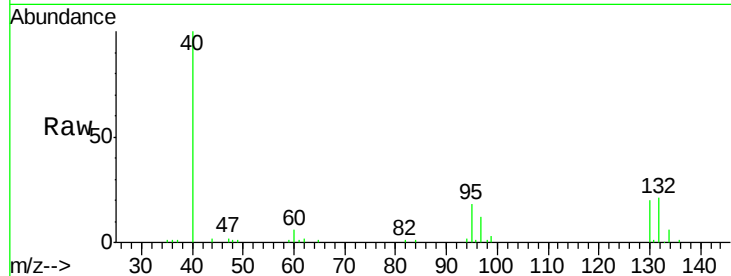
CPA-MW16-001-M20W2-030419

Tot Ion:130 Resp: 4834

Ion Ratio Lower Upper

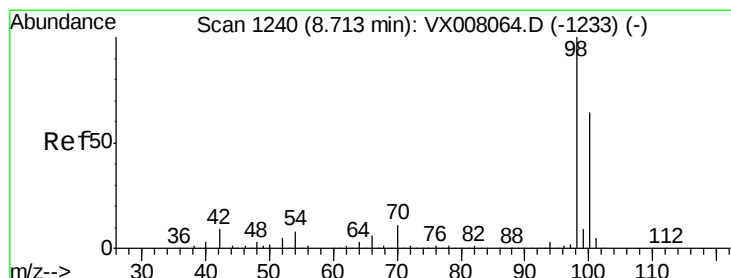
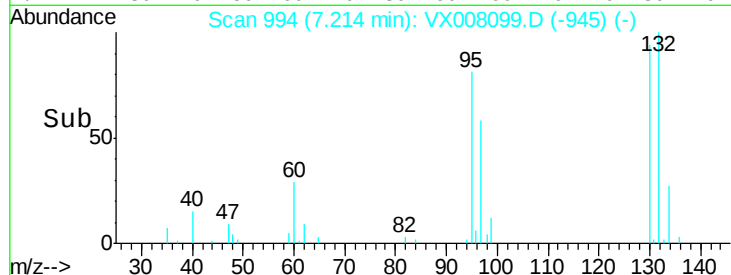
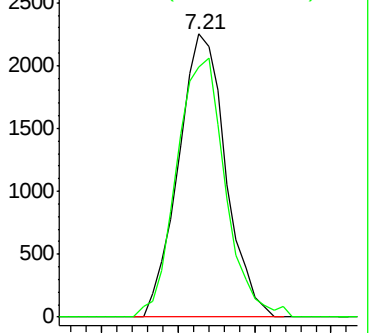
130 100

95 88.2 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 49.745 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008099.D

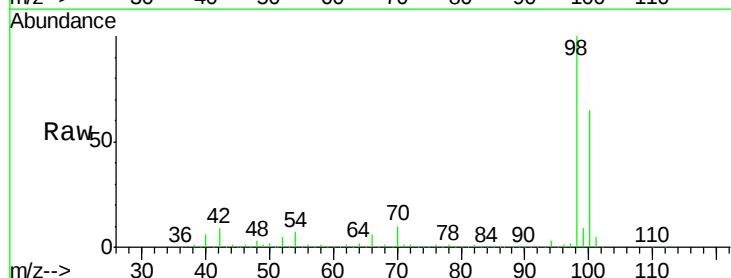
Acq: 15 Mar 2019 04:40

Tgt Ion: 98 Resp: 521597

Ion Ratio Lower Upper

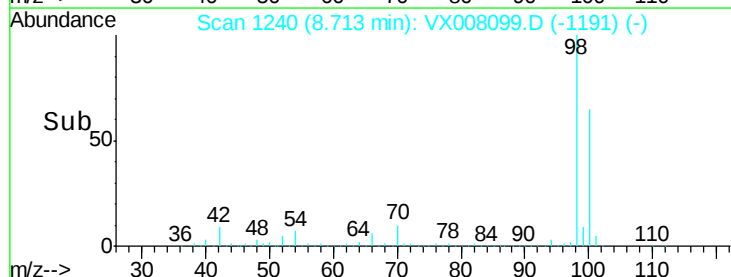
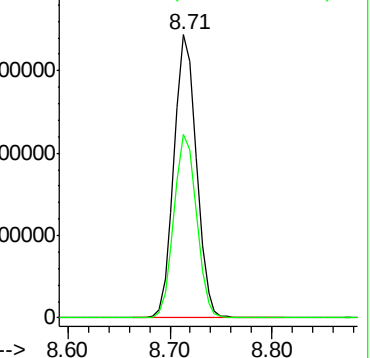
98 100

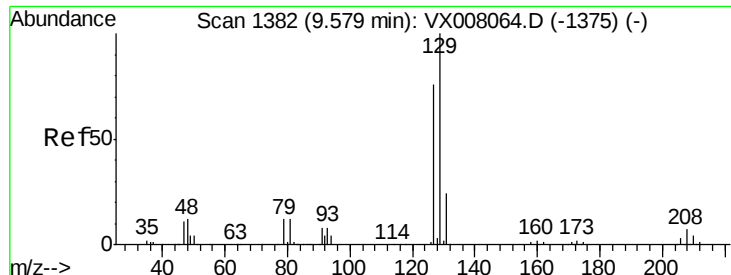
100 65.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#60

Dibromochloromethane

Concen: 0.230 ug/l

RT: 9.34 min Scan# 1343

Delta R.T. -0.24 min

Lab File: VX008099.D

Acq: 15 Mar 2019 04:40

Instrument :

MSVOA_X

ClientSampleId :

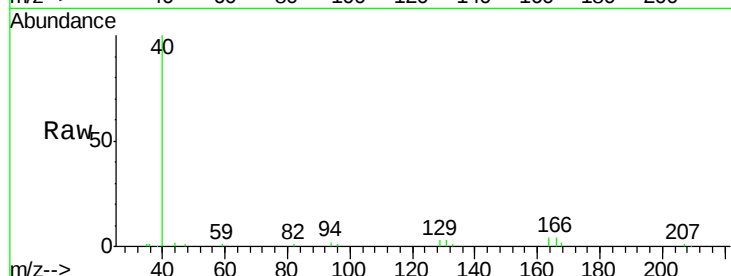
CPA-MW16-001-M20W2-030419

Tot Ion:129 Resp: 673

Ion Ratio Lower Upper

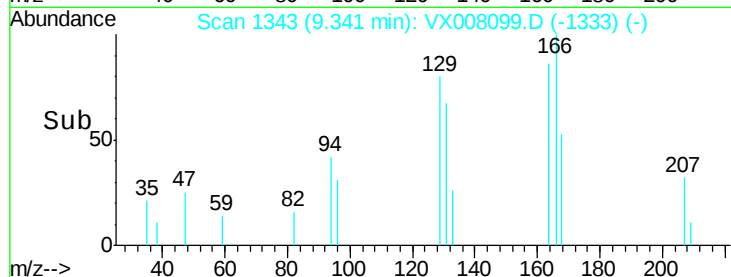
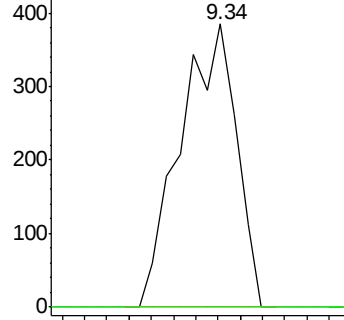
129 100

127 0.0 38.3 114.8#

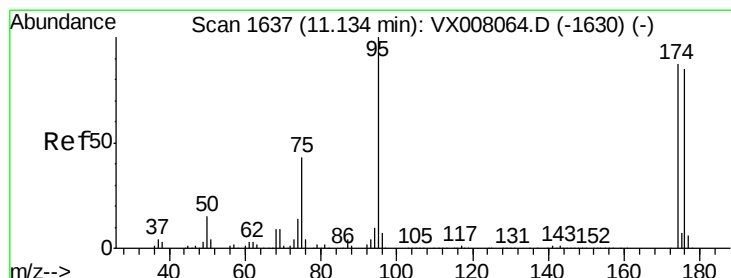


Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 51.204 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008099.D

Acq: 15 Mar 2019 04:40

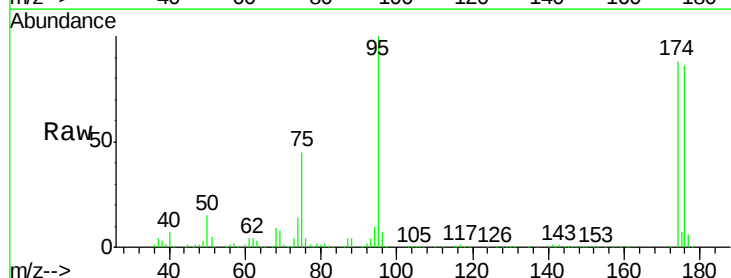
Tgt Ion: 95 Resp: 192336

Ion Ratio Lower Upper

95 100

174 94.5 0.0 182.8

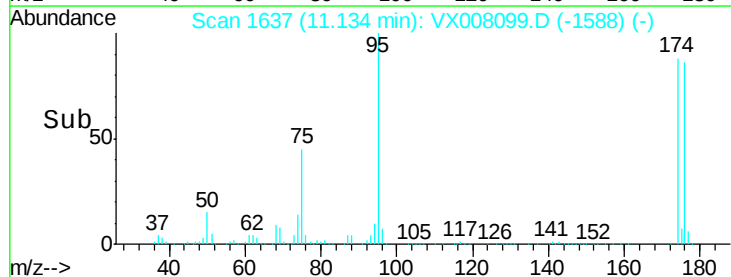
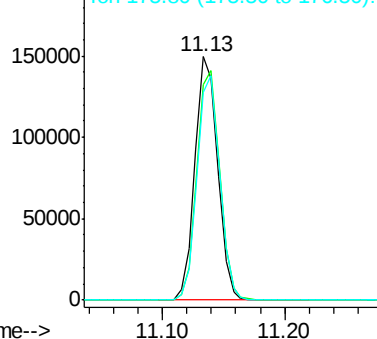
176 92.0 0.0 178.0



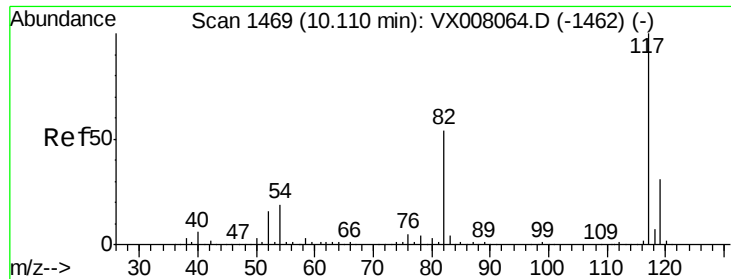
Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



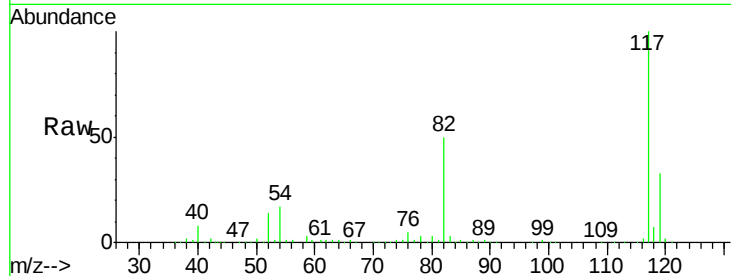
Time-->



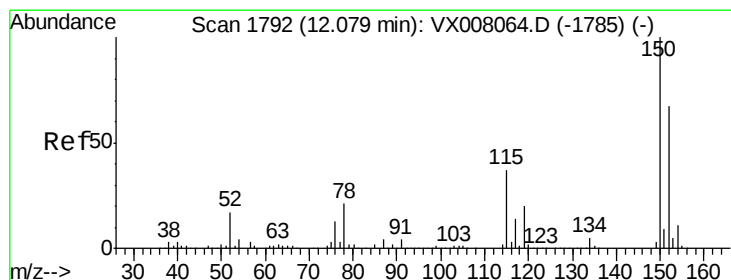
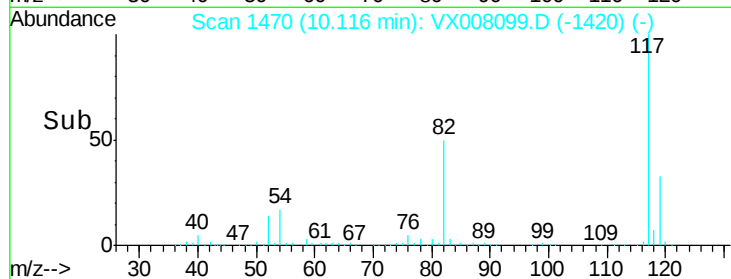
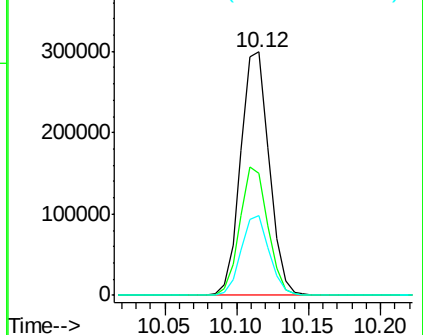
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.12 min Scan# 1470
 Delta R.T. 0.01 min
 Lab File: VX008099.D
 Acq: 15 Mar 2019 04:40

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-MW16-001-M20W2-030419

Tot Ion:117 Resp: 411784
 Ion Ratio Lower Upper
 117 100
 82 50.3 44.3 66.5
 119 32.6 25.3 37.9

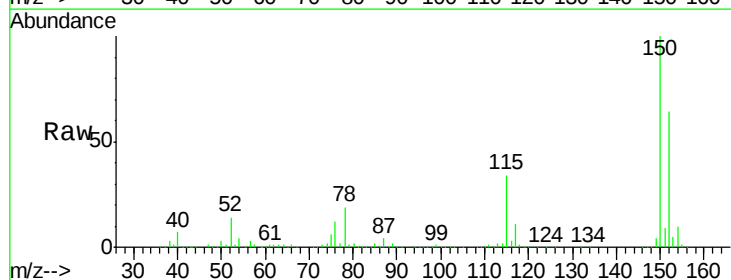


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): V
 Ion 118.90 (118.60 to 119.60): V

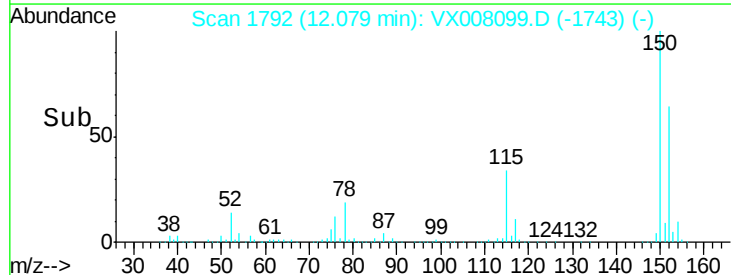
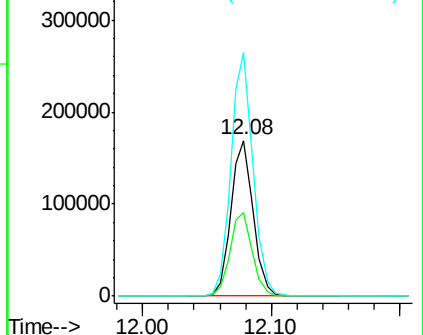


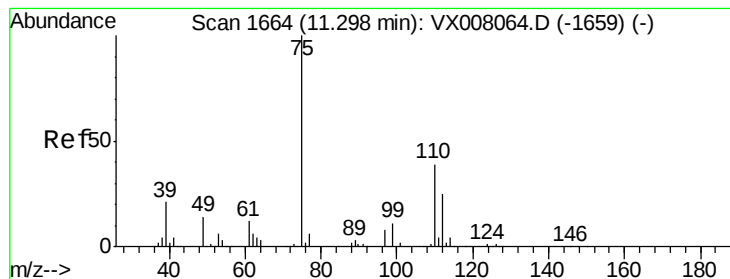
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX008099.D
 Acq: 15 Mar 2019 04:40

Tgt Ion:152 Resp: 203852
 Ion Ratio Lower Upper
 152 100
 115 54.3 38.6 115.7
 150 155.8 0.0 348.4



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: 24.455 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008099.D

Acq: 15 Mar 2019 04:40

Instrument :

MSVOA_X

ClientSampleId :

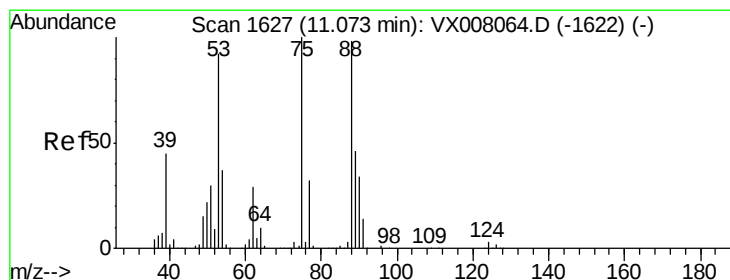
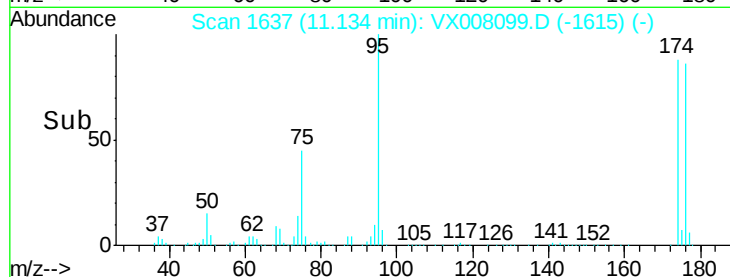
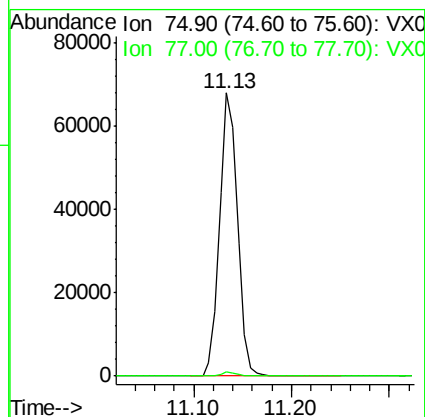
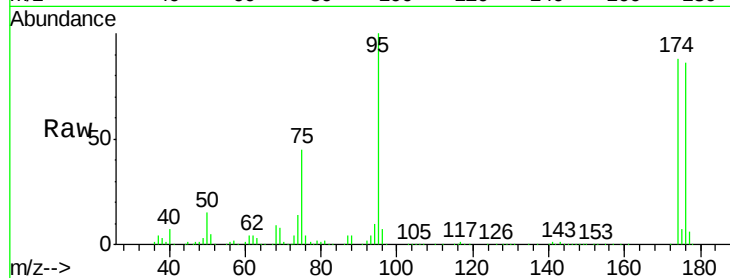
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Tot Ion: 75 Resp: 86580

Ion Ratio Lower Upper

75 100

77 1.2 18.9 56.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.591 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008099.D

Acq: 15 Mar 2019 04:40

Tgt Ion: 75 Resp: 86580

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

89 0.0 36.3 54.5#

