

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031319\
 Data File : VX008050.D
 Acq On : 13 Mar 2019 15:44
 Operator : JC/SP
 Sample : K1829-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-TB1-M20W2-030419

Quant Time: Mar 14 04:18:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	253339	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	391927	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	373064	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	179619	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	134318	50.26	ug/l	0.00
Spiked Amount						
			Recovery	=	100.52%	
35) Dibromofluoromethane	5.51	113	126359	50.40	ug/l	0.00
Spiked Amount						
			Recovery	=	100.80%	
50) Toluene-d8	8.71	98	477996	51.92	ug/l	0.00
Spiked Amount						
			Recovery	=	103.84%	
62) 4-Bromofluorobenzene	11.13	95	176282	54.61	ug/l	0.00
Spiked Amount						
			Recovery	=	109.22%	

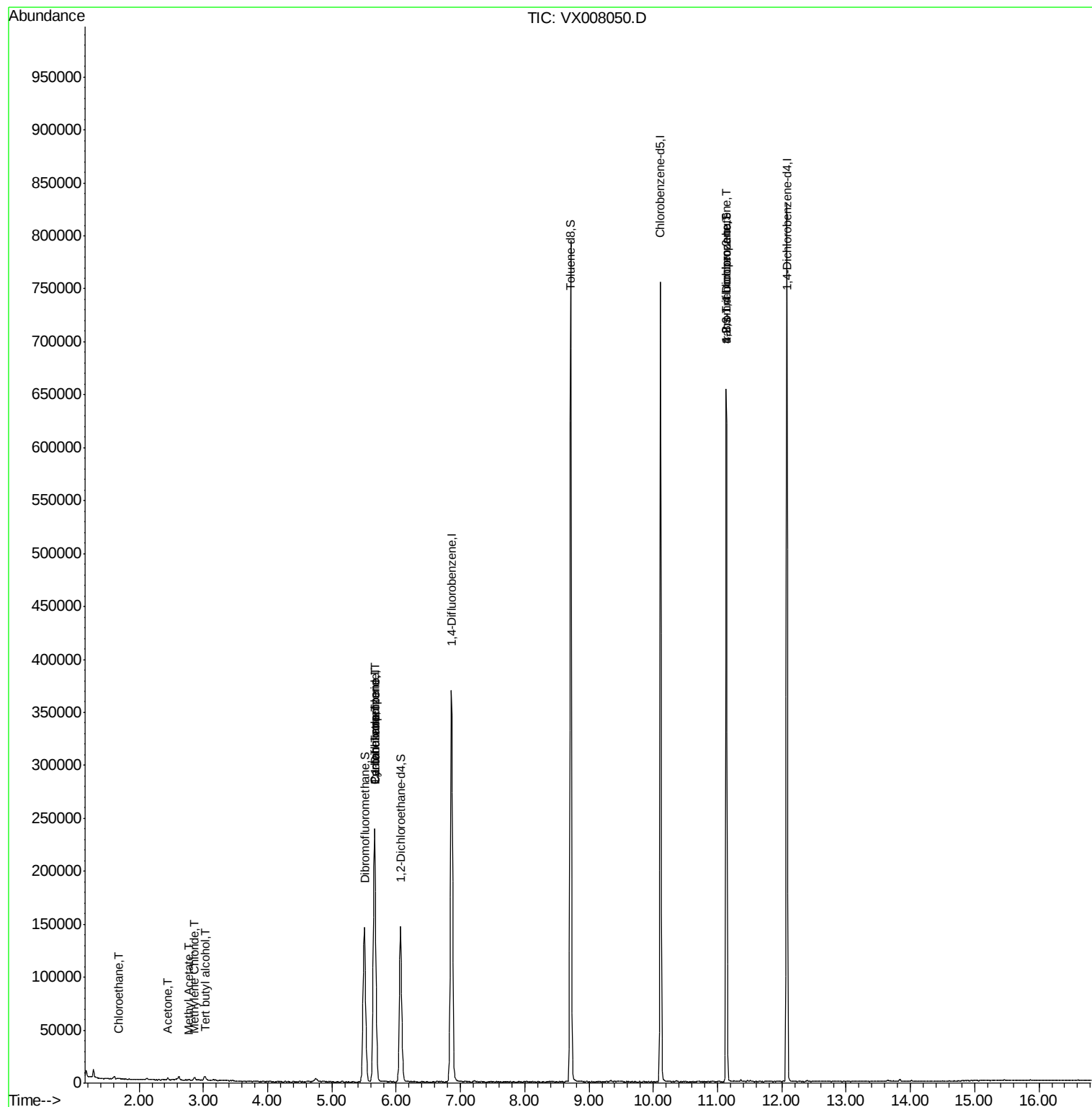
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	346	Below Cal	#	70
6) Chloroethane	1.68	64	1190	0.646	ug/l #	43
11) Tert butyl alcohol	3.03	59	2648	4.431	ug/l #	75
16) Acetone	2.45	43	2029	1.312	ug/l #	86
17) Carbon Disulfide	2.57	76	1182	Below Cal	#	65
18) Methyl Acetate	2.78	43	731	0.222	ug/l	94
20) Methylene Chloride	2.86	84	1006	0.409	ug/l	95
31) Cyclohexane	5.66	56	3784	0.921	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15425	4.347	ug/l #	49
38) Carbon Tetrachloride	5.67	117	21572	6.403	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	80413	21.334	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	80413	68.196	ug/l #	11

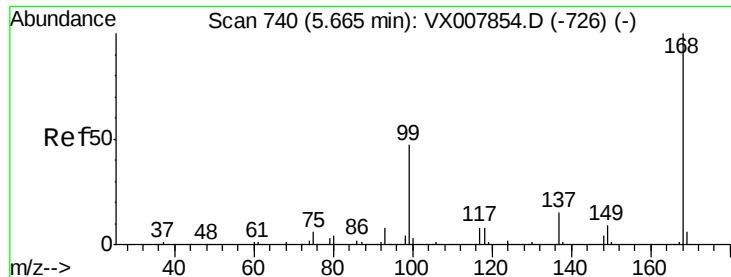
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008050.D

Acq: 13 Mar 2019 15:44

Instrument :

MSVOA_X

ClientSampleId :

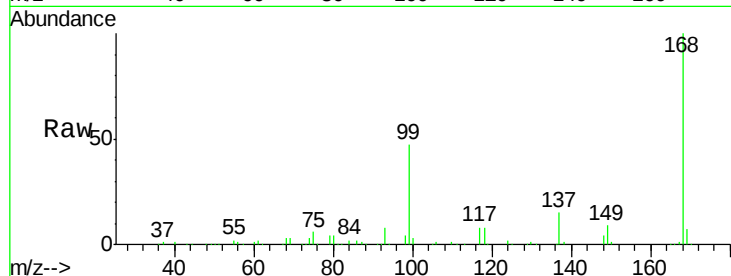
CPA-TB1-M20W2-030419

Tot Ion:168 Resp: 253339

Ion Ratio Lower Upper

168 100

99 46.9 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

100000

80000

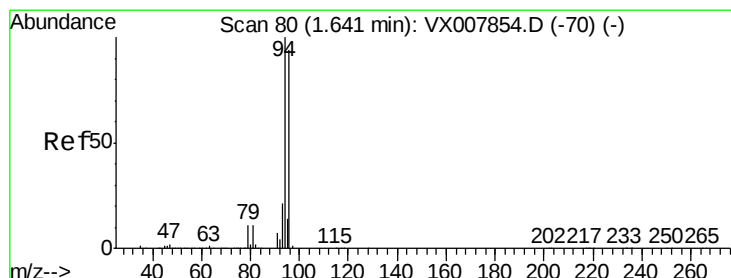
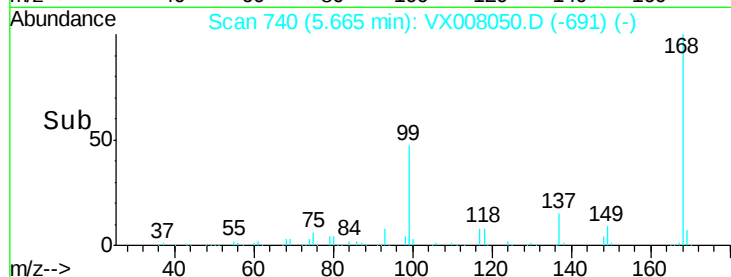
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX008050.D

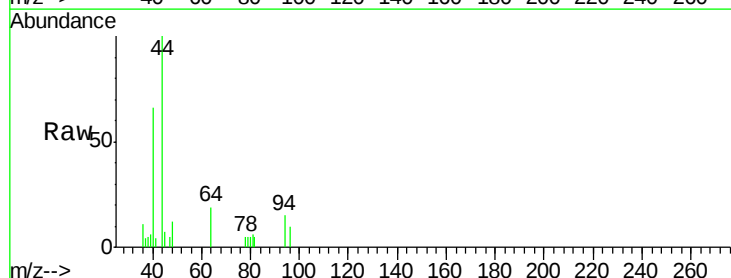
Acq: 13 Mar 2019 15:44

Tgt Ion: 94 Resp: 346

Ion Ratio Lower Upper

94 100

96 65.3 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

250

200

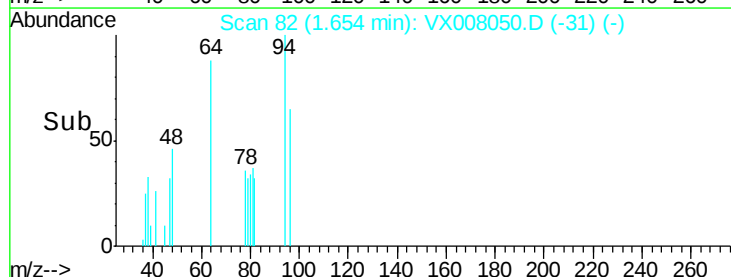
150

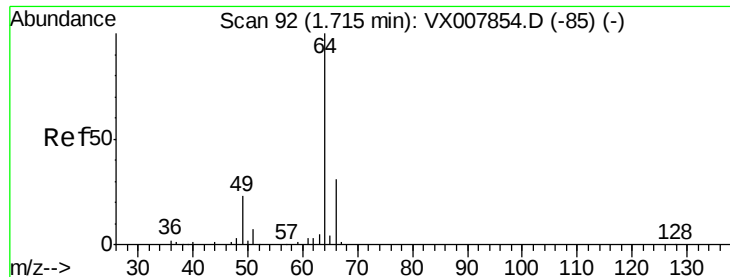
100

50

0

Time-->





#6

Chloroethane

Concen: 0.646 ug/l

RT: 1.68 min Scan# 86

Delta R.T. -0.04 min

Lab File: VX008050.D

Acq: 13 Mar 2019 15:44

Instrument :

MSVOA_X

ClientSampleId :

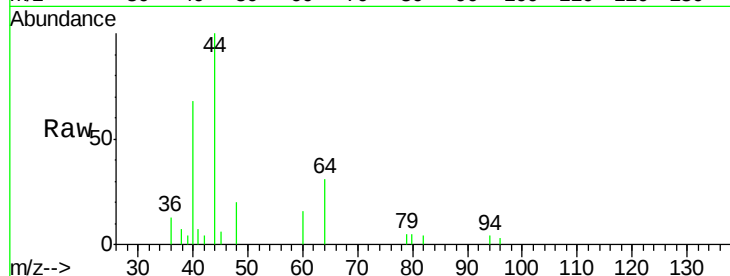
CPA-TB1-M20W2-030419

Tot Ion: 64 Resp: 1190

Ion Ratio Lower Upper

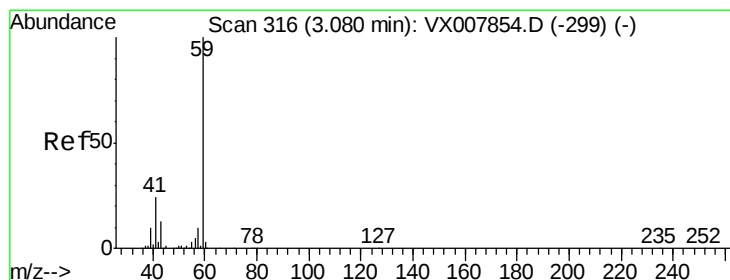
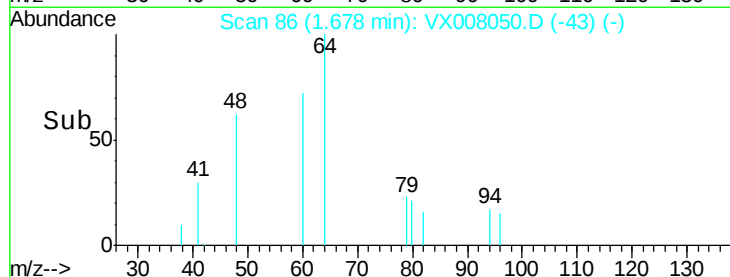
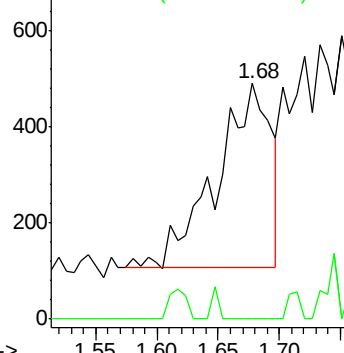
64 100

66 0.0 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 4.431 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX008050.D

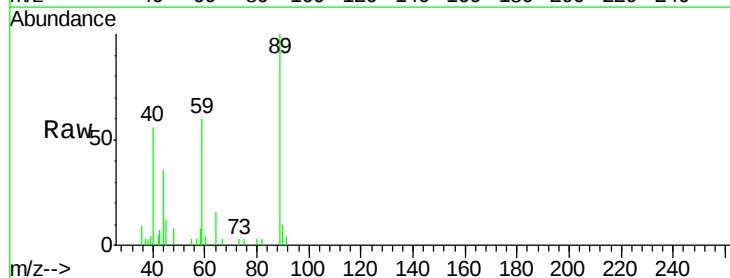
Acq: 13 Mar 2019 15:44

Tgt Ion: 59 Resp: 2648

Ion Ratio Lower Upper

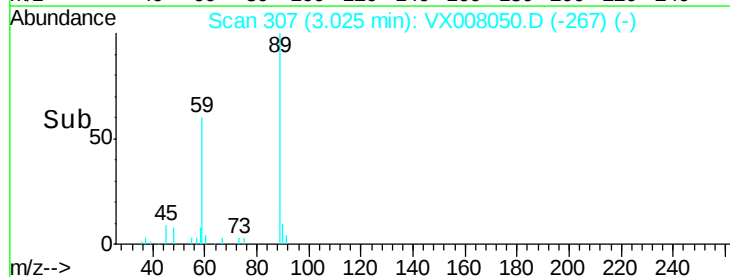
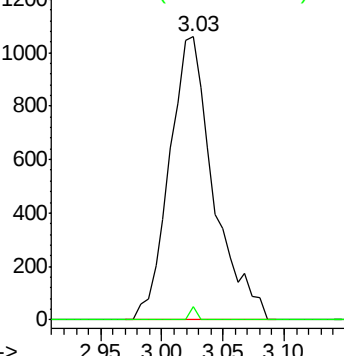
59 100

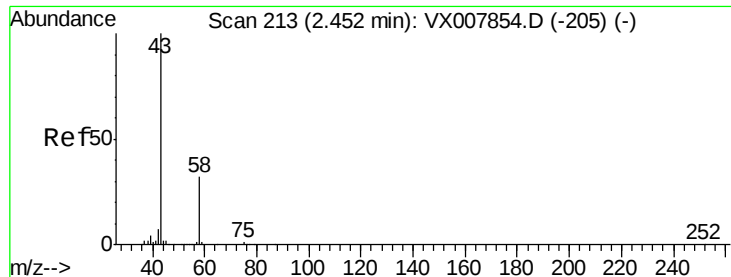
57 0.7 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

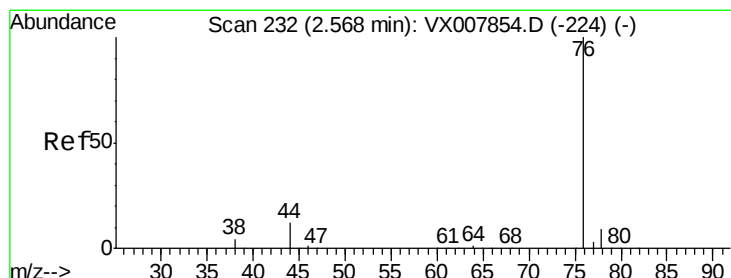
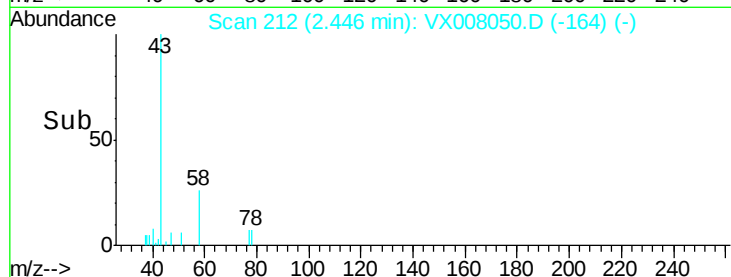
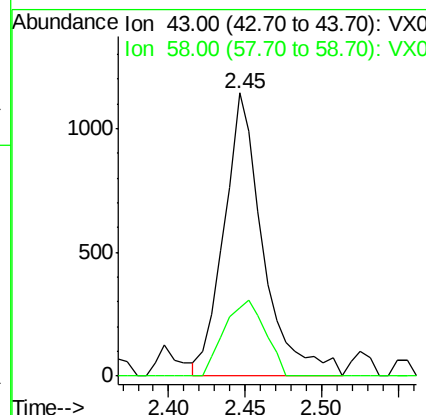
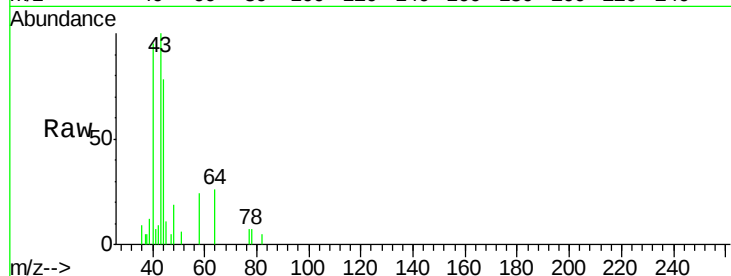




#16
Acetone
Concen: 1.312 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.01 min
Lab File: VX008050.D
Acq: 13 Mar 2019 15:44

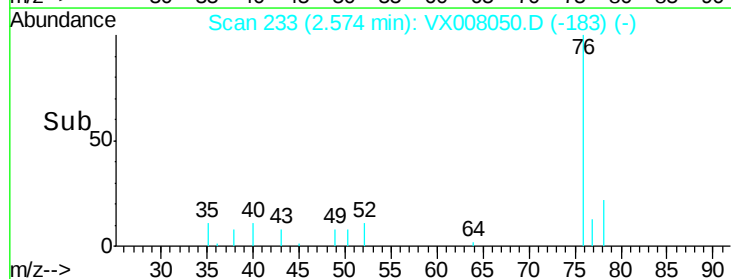
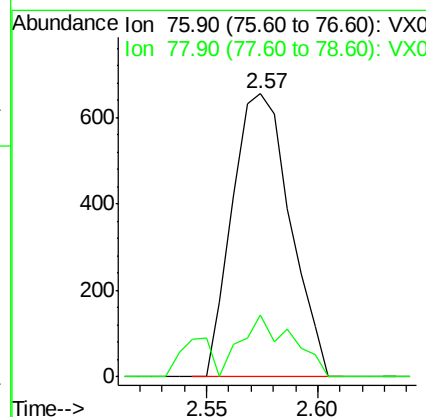
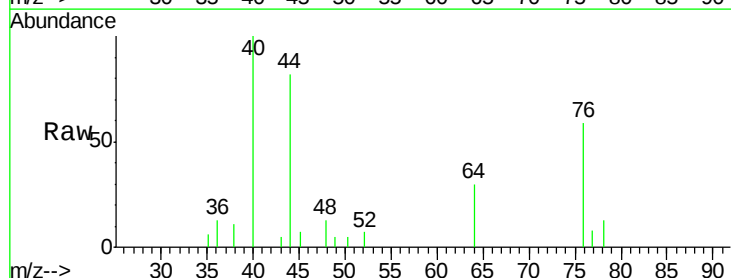
Instrument :
MSVOA_X
ClientSampleId :
CPA-TB1-M20W2-030419

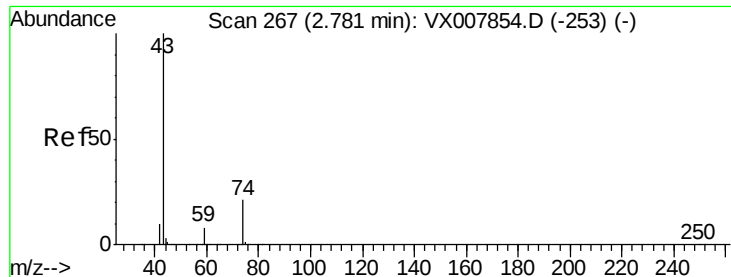
Tot Ion: 43 Resp: 2029
Ion Ratio Lower Upper
43 100
58 24.0 25.5 38.3#



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX008050.D
Acq: 13 Mar 2019 15:44

Tgt Ion: 76 Resp: 1182
Ion Ratio Lower Upper
76 100
78 21.7 7.2 10.8#

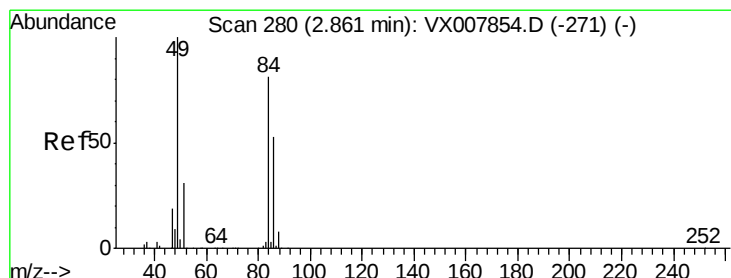
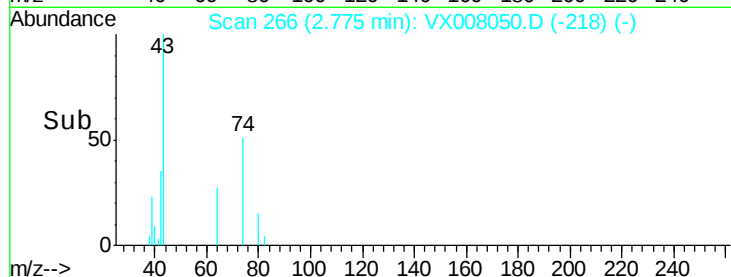
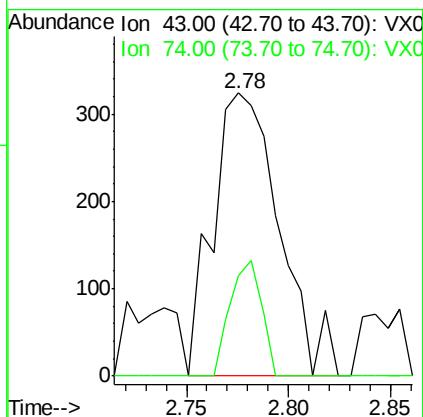
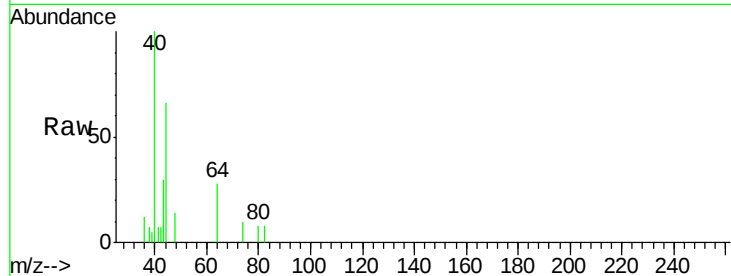




#18
Methyl Acetate
Concen: 0.222 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX008050.D
Acq: 13 Mar 2019 15:44

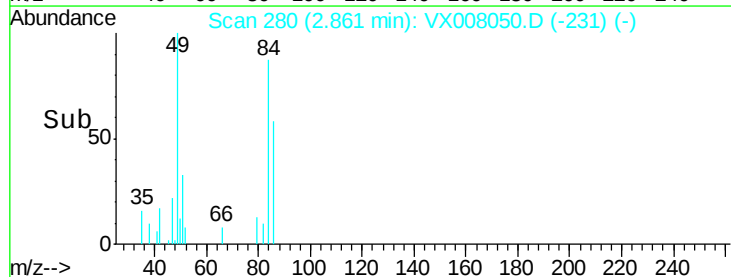
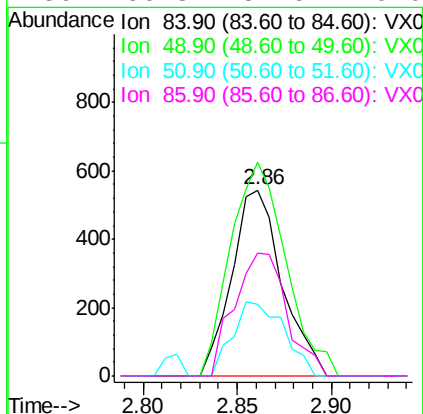
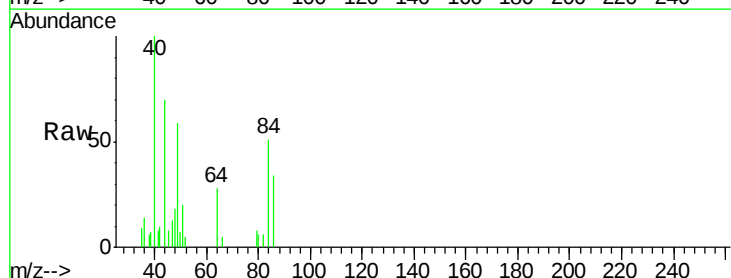
Instrument :
MSVOA_X
ClientSampleId :
CPA-TB1-M20W2-030419

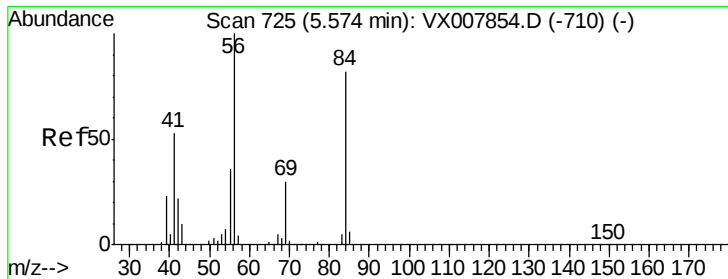
Tot Ion: 43 Resp: 731
Ion Ratio Lower Upper
43 100
74 19.2 17.8 26.6



#20
Methylene Chloride
Concen: 0.409 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX008050.D
Acq: 13 Mar 2019 15:44

Tgt Ion: 84 Resp: 1006
Ion Ratio Lower Upper
84 100
49 115.1 99.3 148.9
51 38.3 31.3 46.9
86 66.3 52.6 79.0





#31

Cyclohexane

Concen: 0.921 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX008050.D

Acq: 13 Mar 2019 15:44

Instrument :

MSVOA_X

ClientSampleId :

CPA-TB1-M20W2-030419

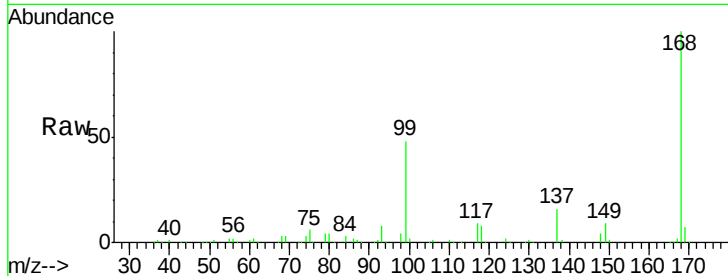
Tot Ion: 56 Resp: 3784

Ion Ratio Lower Upper

56 100

69 196.9 24.0 36.0#

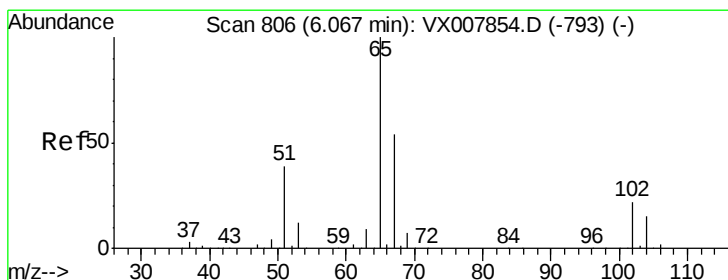
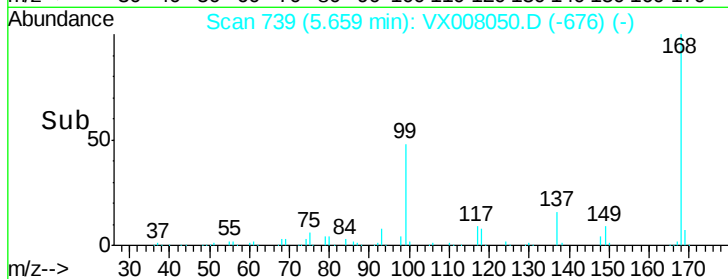
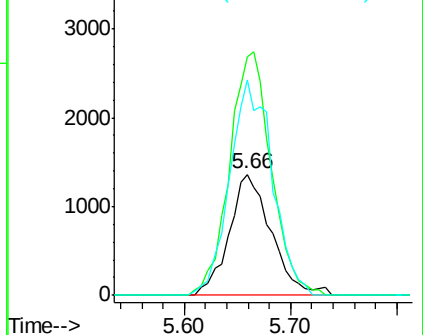
84 177.3 65.3 97.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 50.260 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008050.D

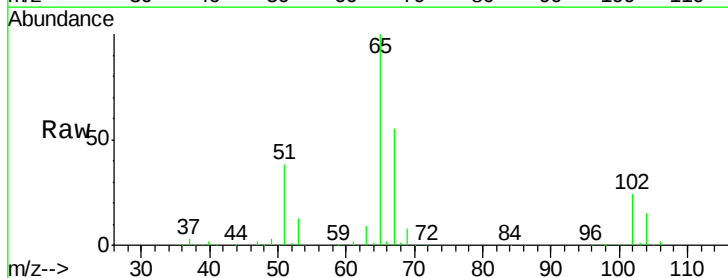
Acq: 13 Mar 2019 15:44

Tgt Ion: 65 Resp: 134318

Ion Ratio Lower Upper

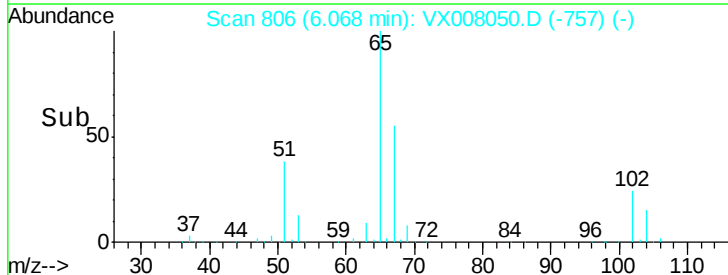
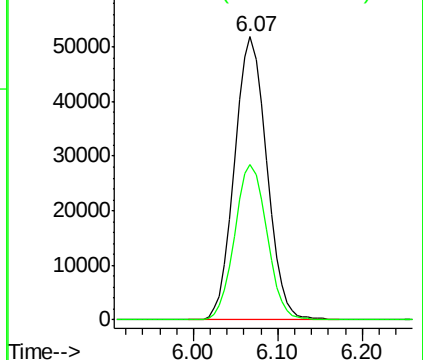
65 100

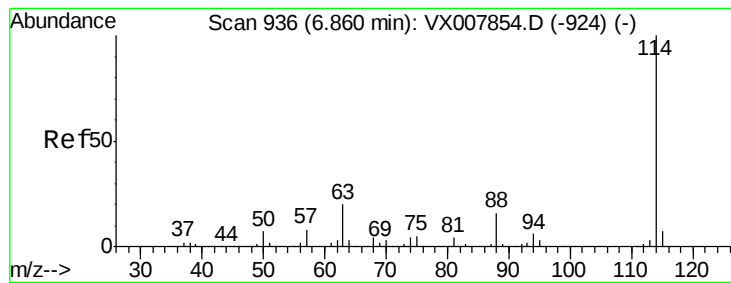
67 55.0 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008050.D

Acq: 13 Mar 2019 15:44

Instrument :

MSVOA_X

ClientSampleId :

CPA-TB1-M20W2-030419

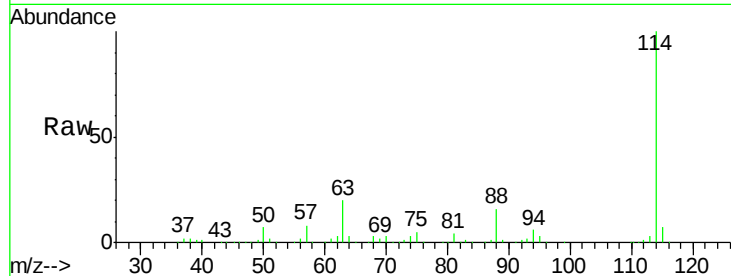
Tot Ion:114 Resp: 391927

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.8

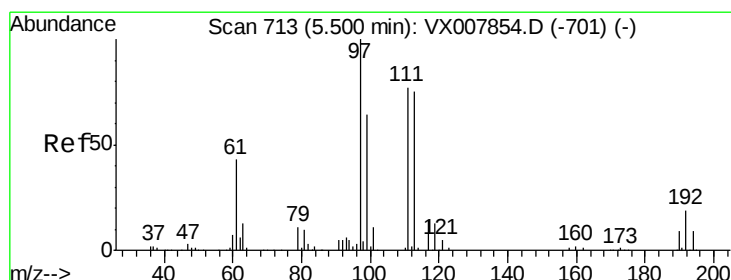
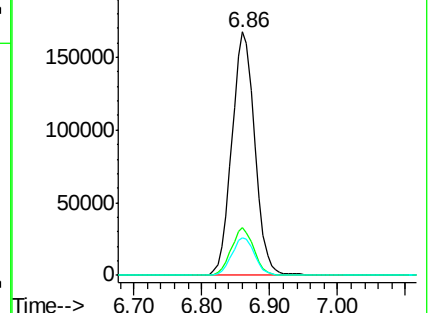
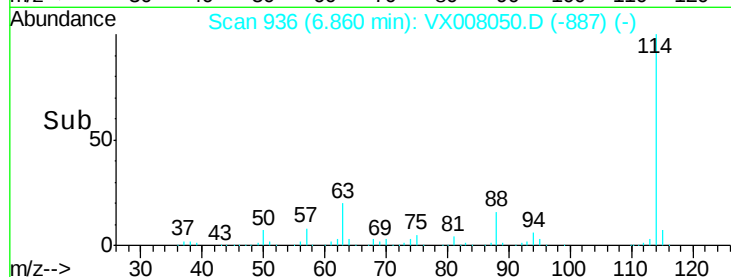
88 15.6 0.0 31.4



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: 50.402 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX008050.D

Acq: 13 Mar 2019 15:44

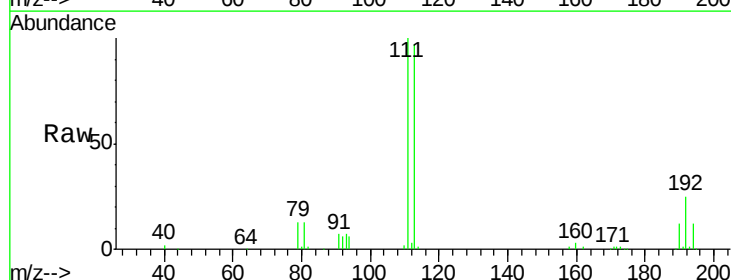
Tgt Ion:113 Resp: 126359

Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.0

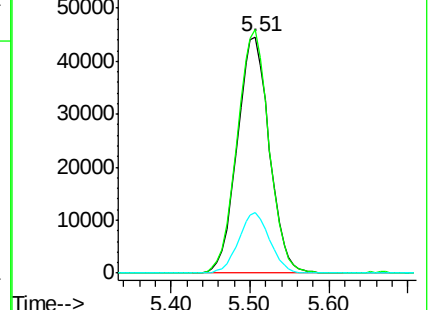
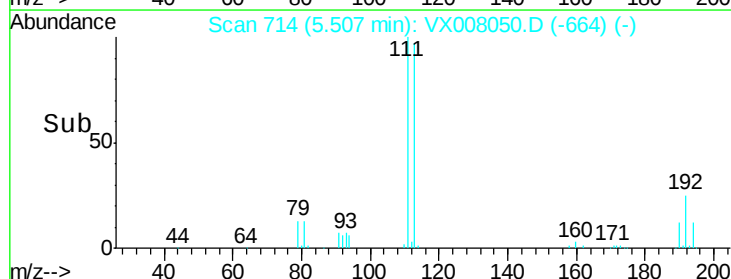
192 24.9 19.4 29.0

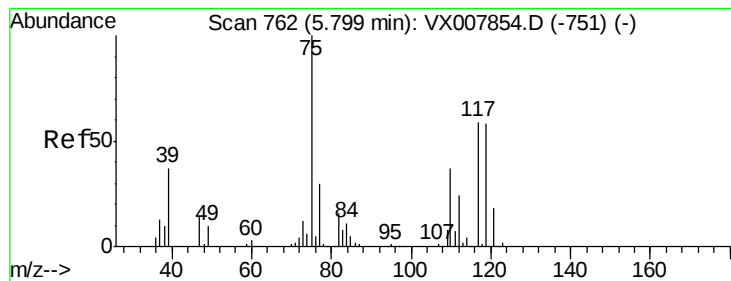


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.347 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX008050.D

Acq: 13 Mar 2019 15:44

Instrument :

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CPA-TB1-M20W2-030419

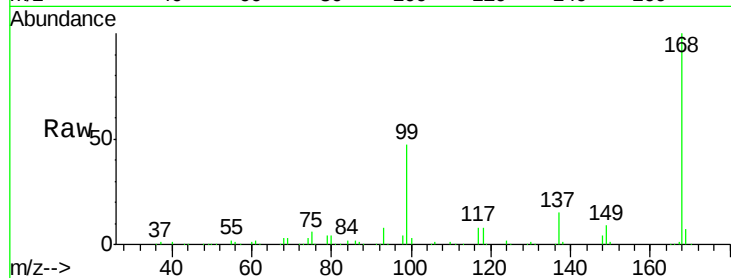
Tot Ion: 75 Resp: 15425

Ion Ratio Lower Upper

75 100

110 8.9 18.4 55.0#

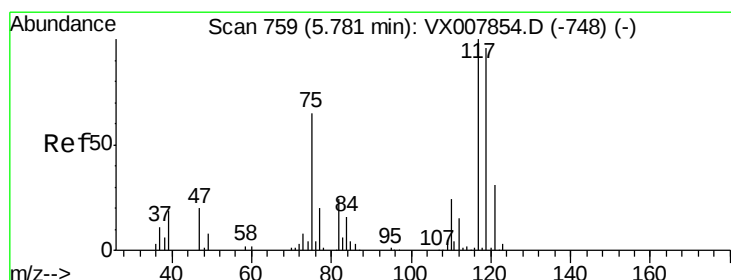
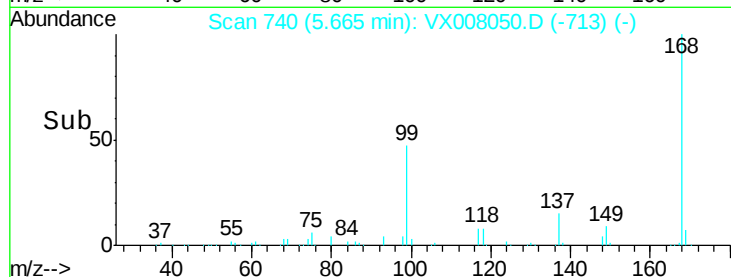
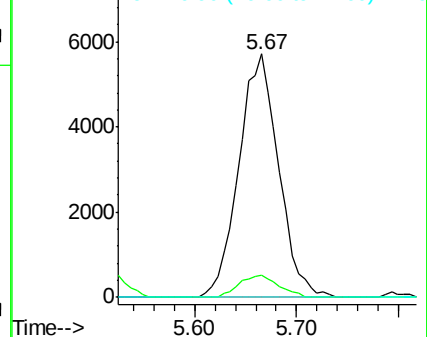
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.403 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008050.D

Acq: 13 Mar 2019 15:44

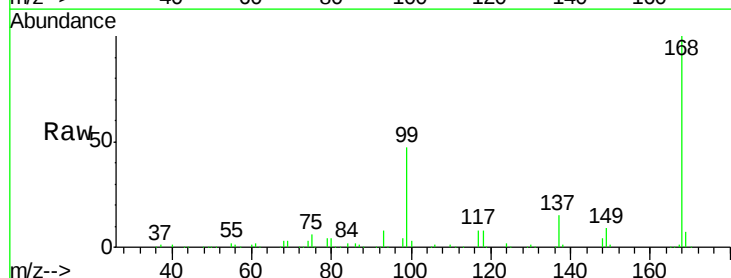
Tgt Ion: 117 Resp: 21572

Ion Ratio Lower Upper

117 100

119 5.3 76.2 114.2#

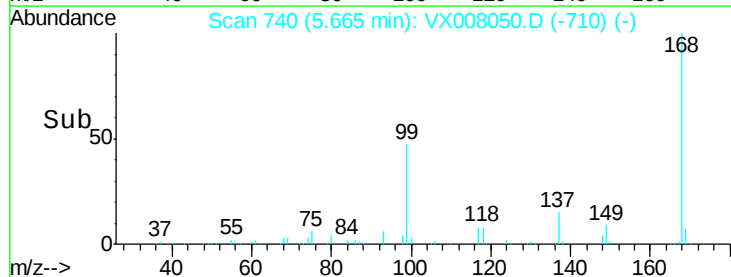
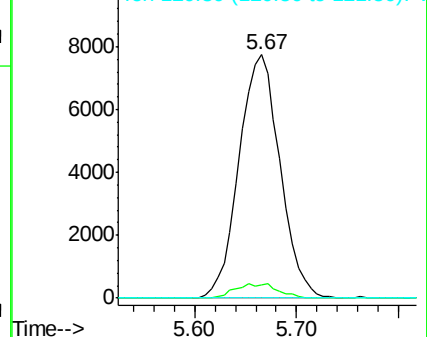
121 0.0 24.6 36.8#

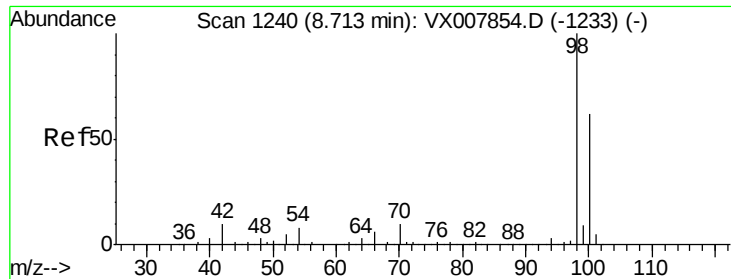


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

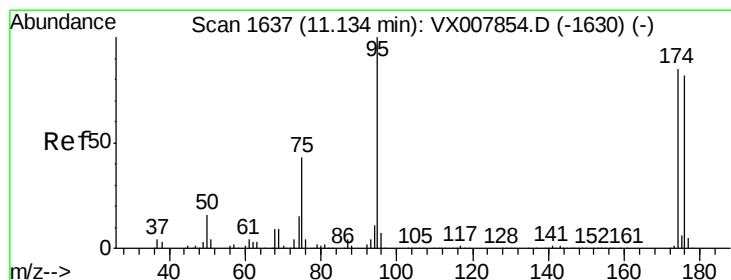
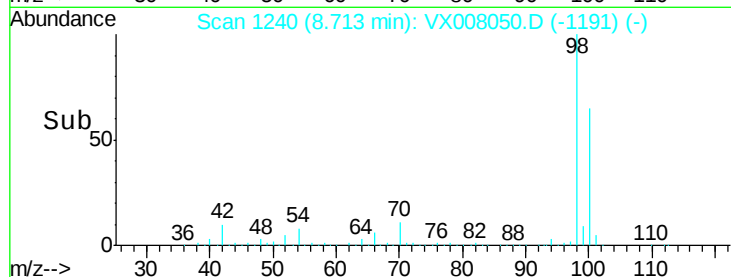
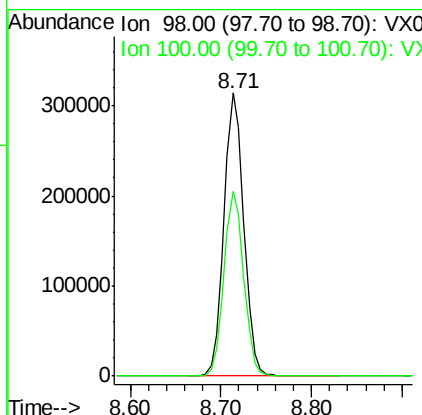
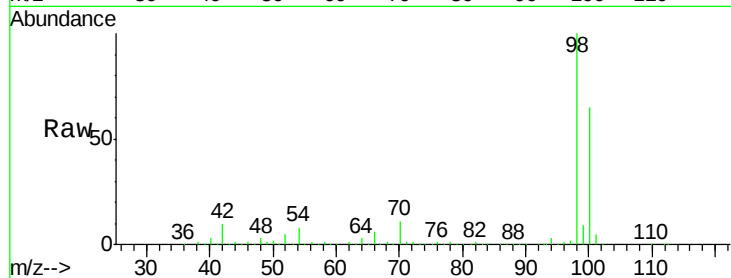




#50
Toluene-d8
Concen: 51.916 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008050.D
Acq: 13 Mar 2019 15:44

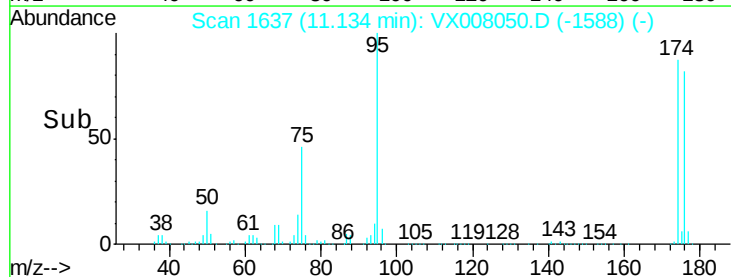
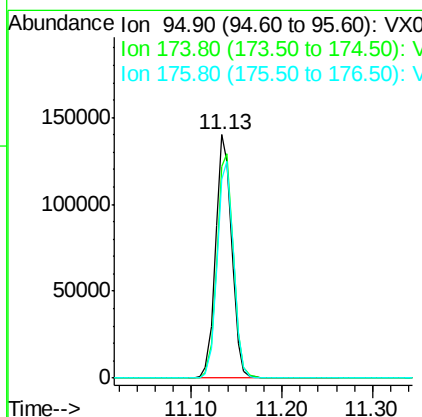
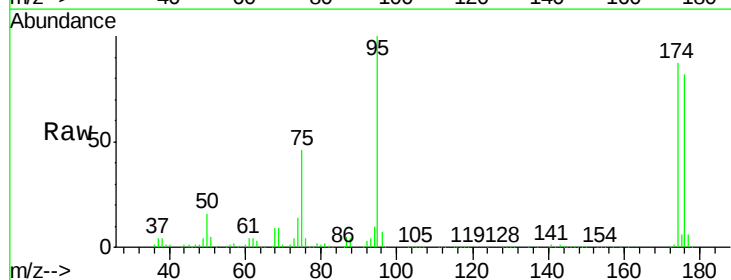
Instrument :
MSVOA_X
ClientSampleId :
CPA-TB1-M20W2-030419

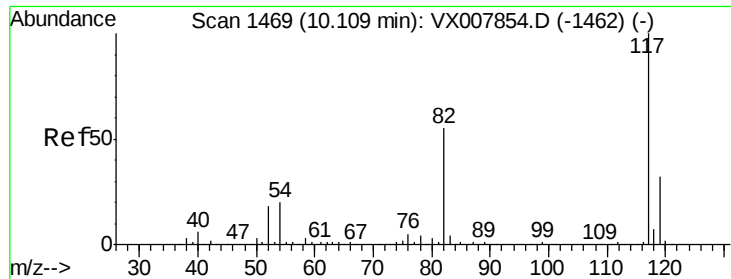
Tot Ion: 98 Resp: 477996
Ion Ratio Lower Upper
98 100
100 65.1 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 54.609 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008050.D
Acq: 13 Mar 2019 15:44

Tgt Ion: 95 Resp: 176282
Ion Ratio Lower Upper
95 100
174 93.4 0.0 182.8
176 89.5 0.0 178.0

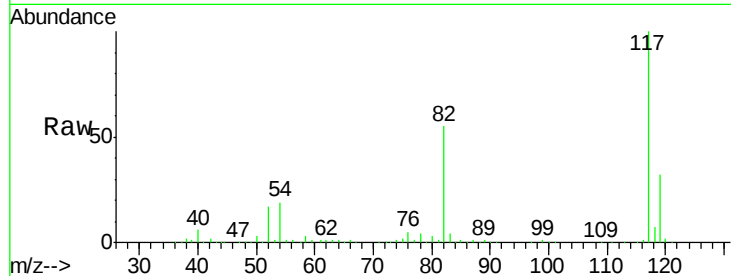




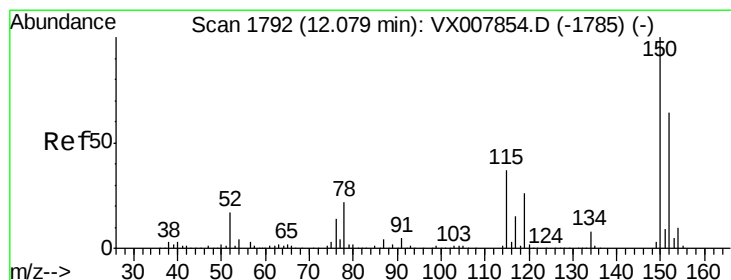
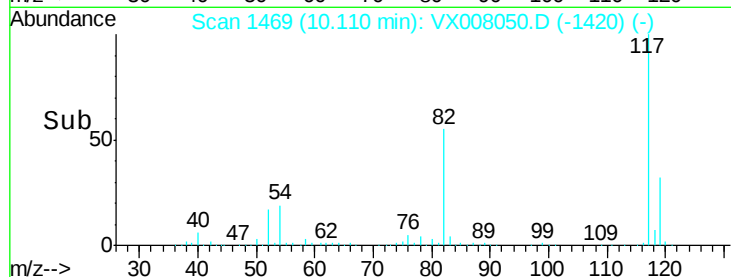
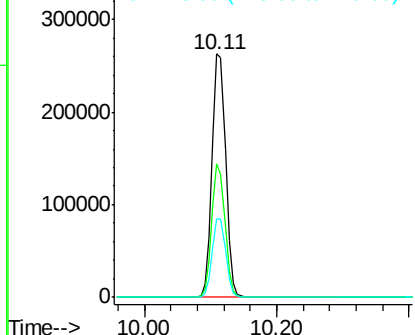
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008050.D
Acq: 13 Mar 2019 15:44

Instrument :
MSVOA_X
ClientSampleId :
CPA-TB1-M20W2-030419

Tot Ion:117 Resp: 373064
Ion Ratio Lower Upper
117 100
82 55.1 44.3 66.5
119 32.3 25.3 37.9

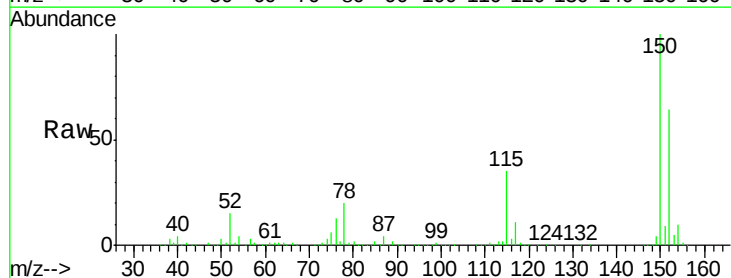


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

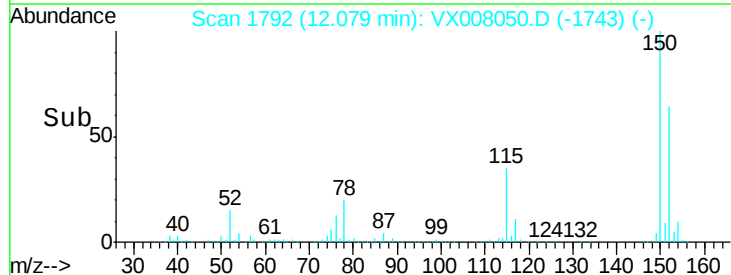
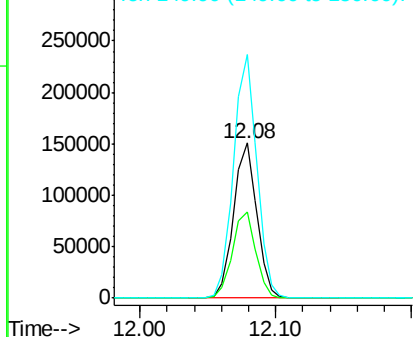


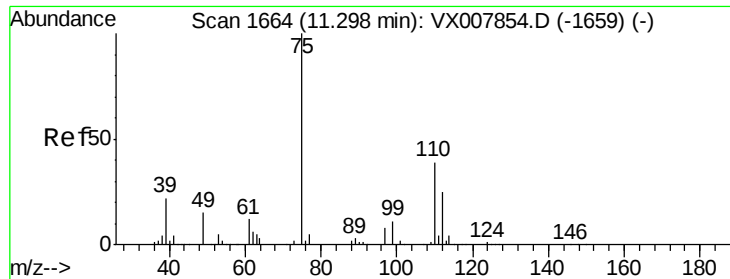
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008050.D
Acq: 13 Mar 2019 15:44

Tgt Ion:152 Resp: 179619
Ion Ratio Lower Upper
152 100
115 56.1 38.6 115.7
150 157.8 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: 21.334 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008050.D

Acq: 13 Mar 2019 15:44

Instrument :

MSVOA_X

ClientSampleId :

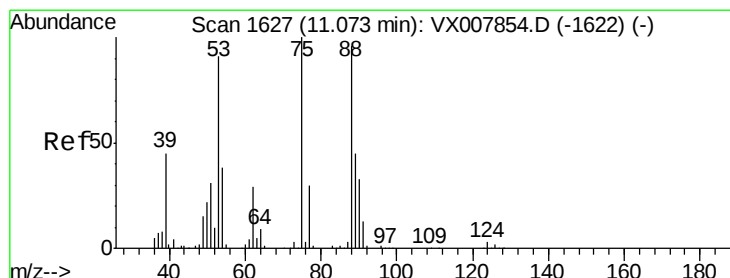
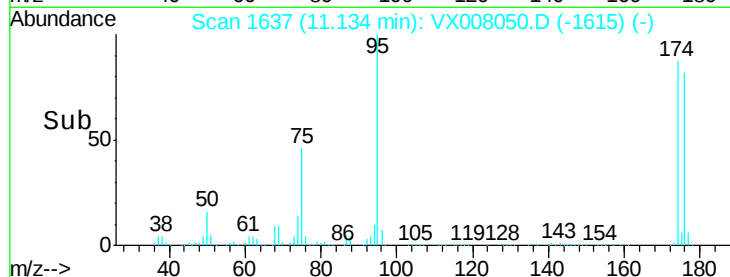
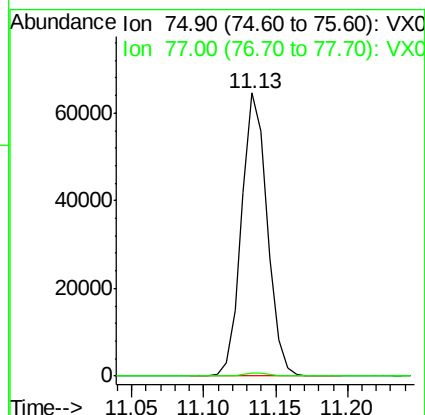
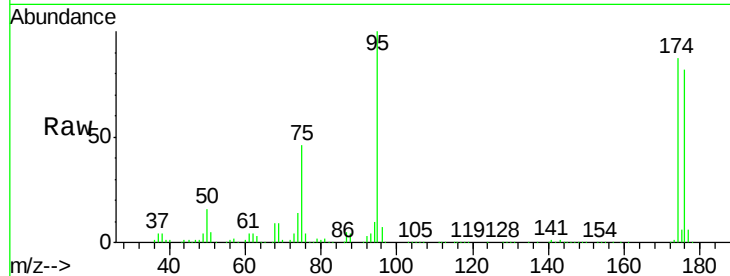
CPA-TB1-M20W2-030419

Tot Ion: 75 Resp: 80413

Ion Ratio Lower Upper

75 100

77 1.2 18.9 56.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.196 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008050.D

Acq: 13 Mar 2019 15:44

Tgt Ion: 75 Resp: 80413

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

89 0.0 36.3 54.5#

