

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041218\
 Data File : VX000804.D
 Acq On : 12 Apr 2018 16:07
 Operator : JC/MD
 Sample : J2314-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CA-AQIDW01-20180409

Quant Time: Apr 13 06:54:54 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	281007	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	361820	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	323226	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	198204	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	157668	44.50	ug/l	0.00
Spiked Amount			Recovery	=	89.00%	
35) Dibromofluoromethane	5.51	113	129712	46.53	ug/l	0.00
Spiked Amount			Recovery	=	93.06%	
50) Toluene-d8	8.72	98	493939	47.59	ug/l	0.00
Spiked Amount			Recovery	=	95.18%	
62) 4-Bromofluorobenzene	11.15	95	186347	43.39	ug/l	0.00
Spiked Amount			Recovery	=	86.78%	

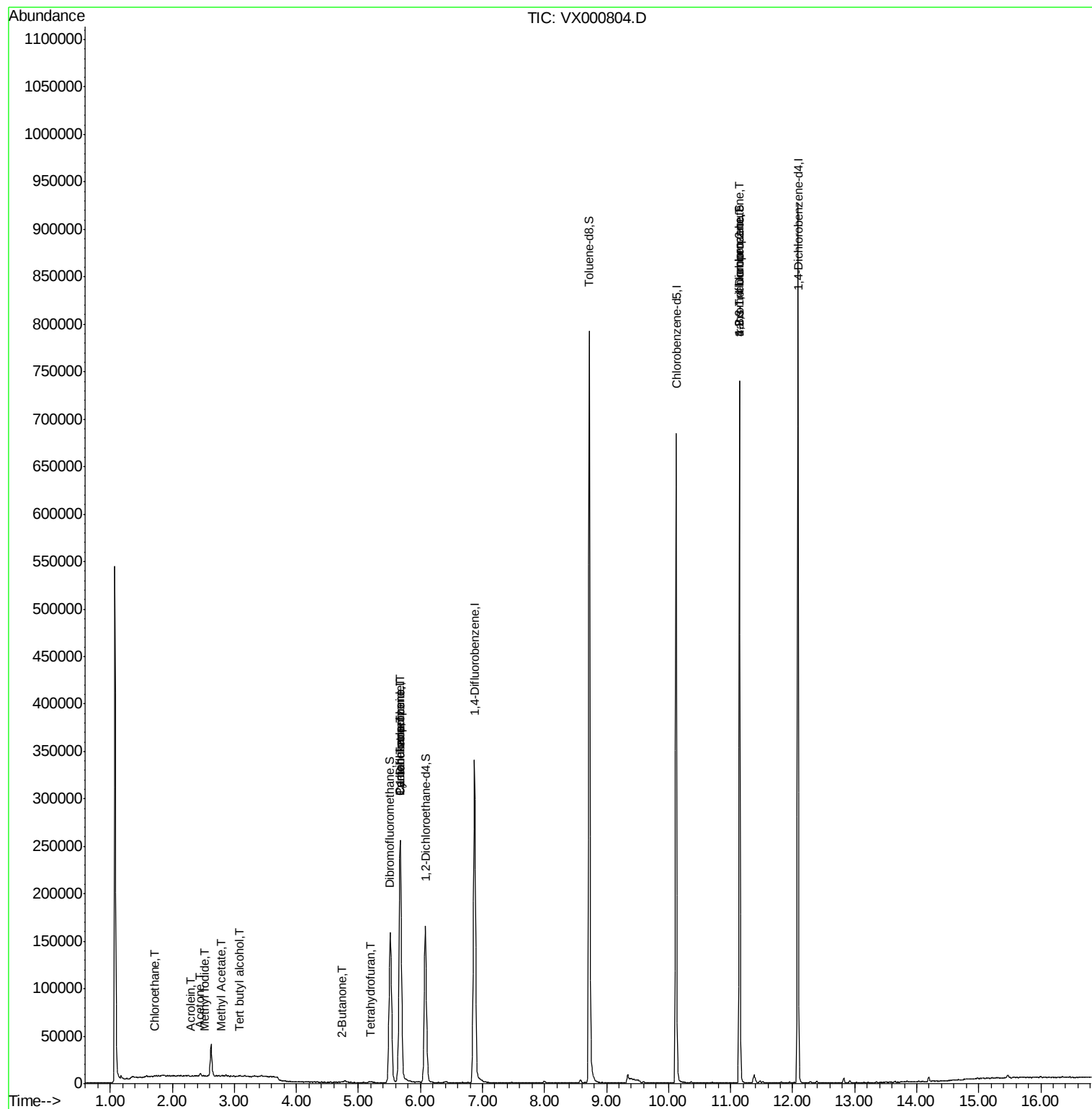
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	324	Below Cal	#	62
6) Chloroethane	1.71	64	3067	1.65	ug/l #	43
10) Methyl Iodide	2.52	142	245	8.33	ug/l #	52
11) Tert butyl alcohol	3.08	59	770	1.22	ug/l #	75
13) Acrolein	2.29	56	158	0.52	ug/l #	31
16) Acetone	2.45	43	3600	2.95	ug/l	97
18) Methyl Acetate	2.79	43	749	0.24	ug/l #	70
25) 2-Butanone	4.72	43	482	0.24	ug/l #	50
29) Tetrahydrofuran	5.20	42	1382	1.08	ug/l #	46
31) Cyclohexane	5.67	56	4893	1.05	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	16346	4.10	ug/l #	49
38) Carbon Tetrachloride	5.67	117	24053	5.39	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	90514	26.48	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	90514	72.84	ug/l #	11

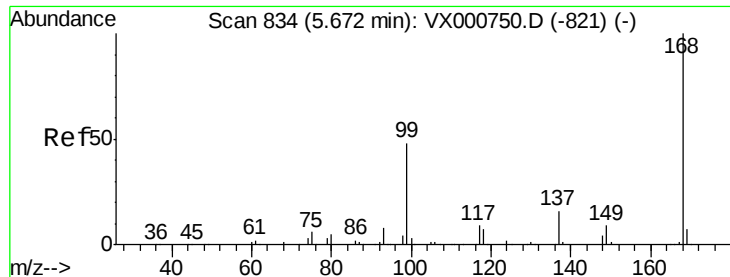
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX000804.D

Acq: 12 Apr 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

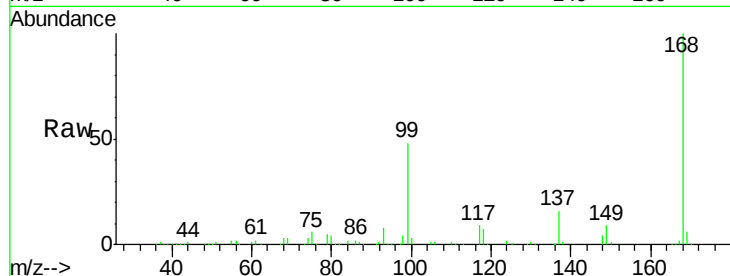
CA-AQIDW01-20180409

Tgt Ion:168 Resp: 281007

Ion Ratio Lower Upper

168 100

99 48.0 38.3 57.5



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

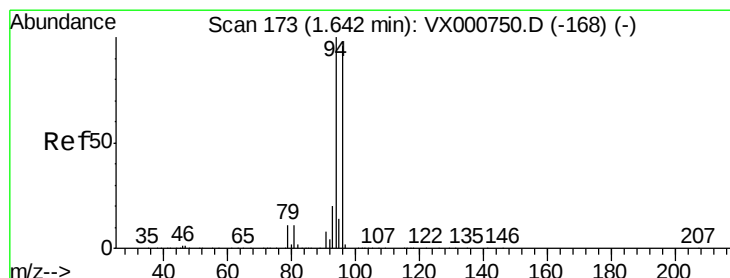
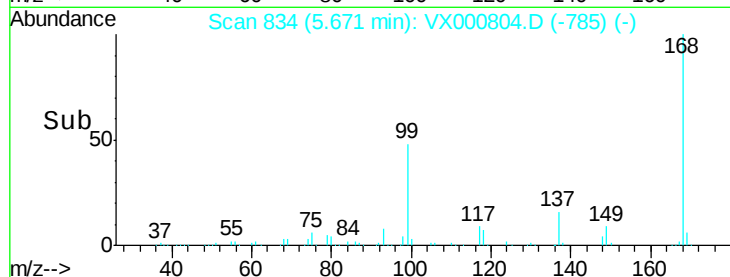
20000

0

Time-->

5.60

5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000804.D

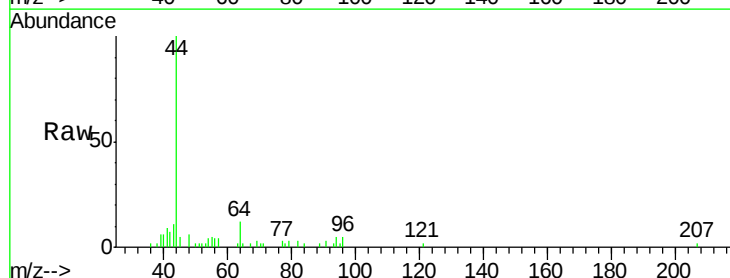
Acq: 12 Apr 2018 16:07

Tgt Ion: 94 Resp: 324

Ion Ratio Lower Upper

94 100

96 59.5 77.0 115.6#



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-->

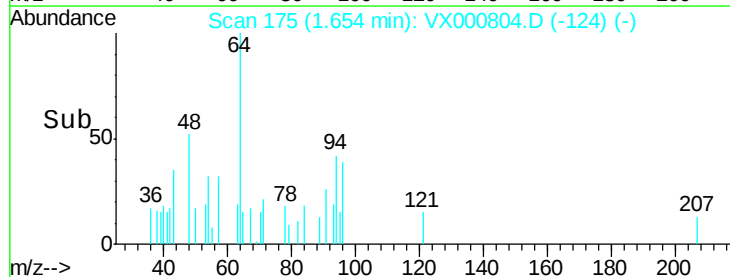
1.60

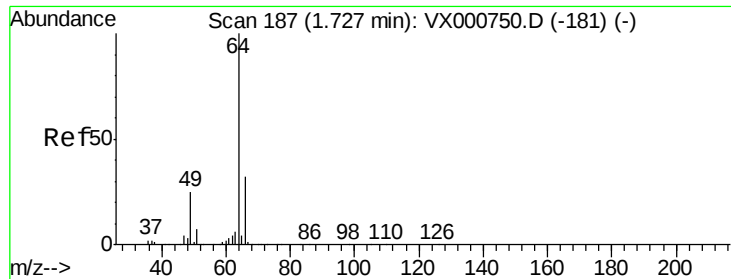
1.62

1.64

1.66

1.68





#6

Chloroethane

Concen: 1.65 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX000804.D

Acq: 12 Apr 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

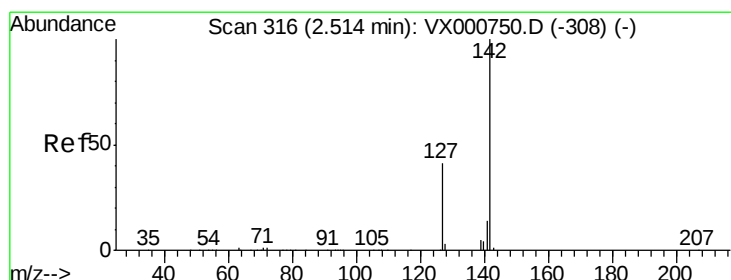
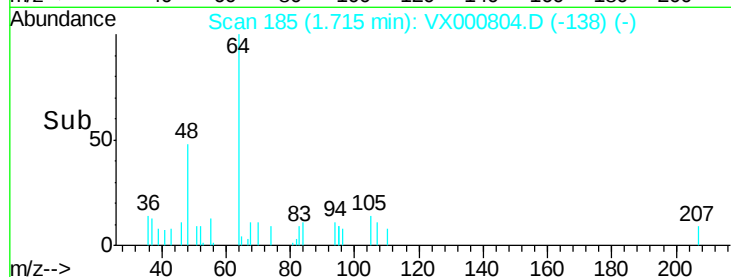
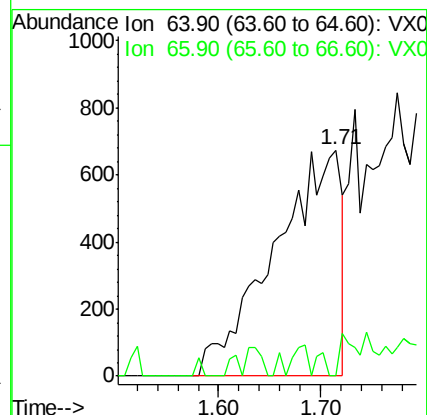
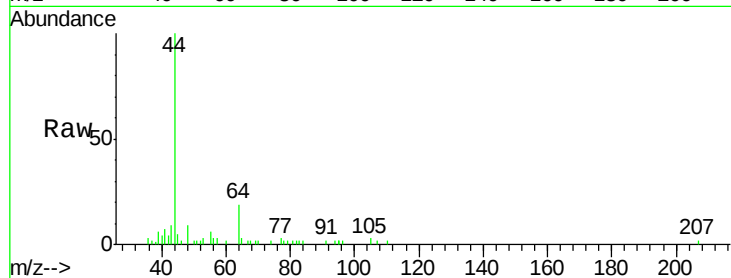
CA-AQIDW01-20180409

Tgt Ion: 64 Resp: 3067

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



#10

Methyl Iodide

Concen: 8.33 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX000804.D

Acq: 12 Apr 2018 16:07

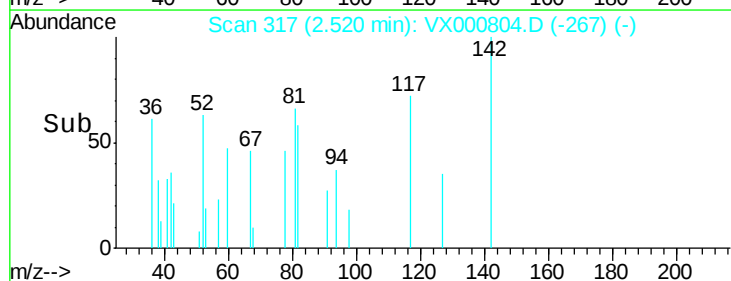
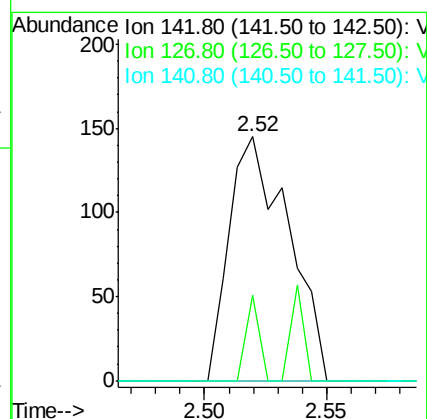
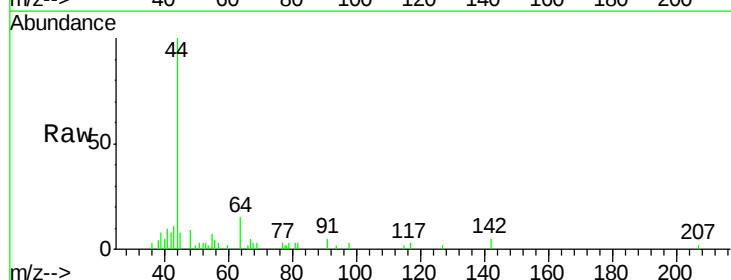
Tgt Ion: 142 Resp: 245

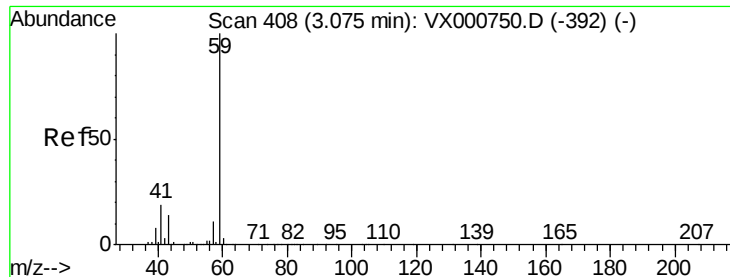
Ion Ratio Lower Upper

142 100

127 7.8 32.6 49.0#

141 0.0 11.5 17.3#





#11

Tert butyl alcohol

Concen: 1.22 ug/l

RT: 3.08 min Scan# 409

Delta R.T. 0.01 min

Lab File: VX000804.D

Acq: 12 Apr 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

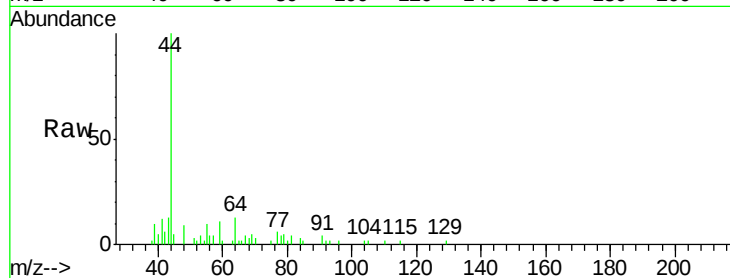
CA-AQIDW01-20180409

Tgt Ion: 59 Resp: 770

Ion Ratio Lower Upper

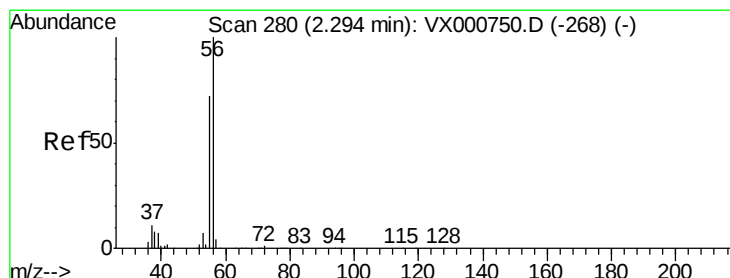
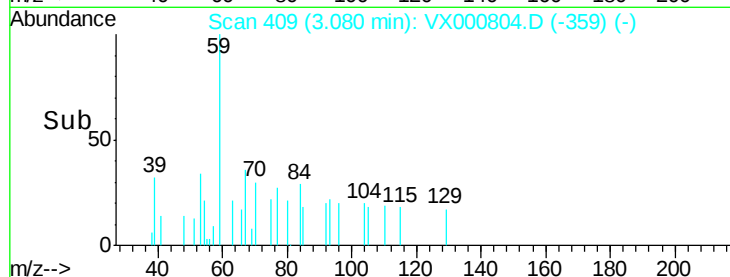
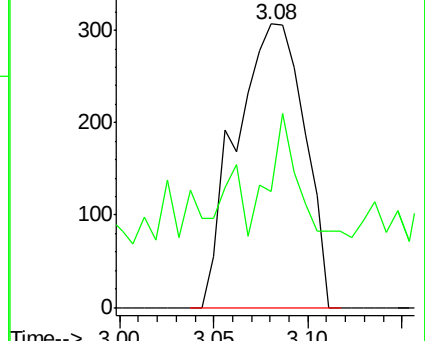
59 100

57 19.9 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#13

Acrolein

Concen: 0.52 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX000804.D

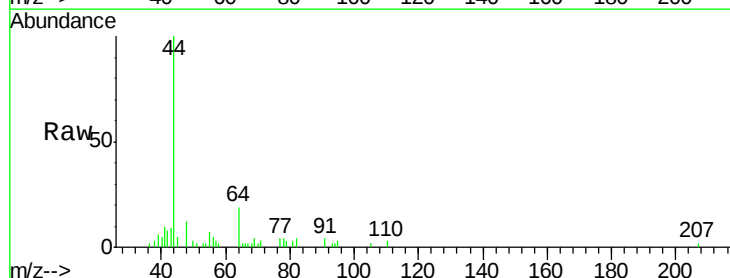
Acq: 12 Apr 2018 16:07

Tgt Ion: 56 Resp: 158

Ion Ratio Lower Upper

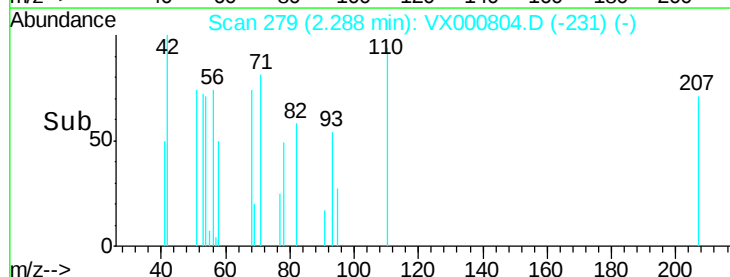
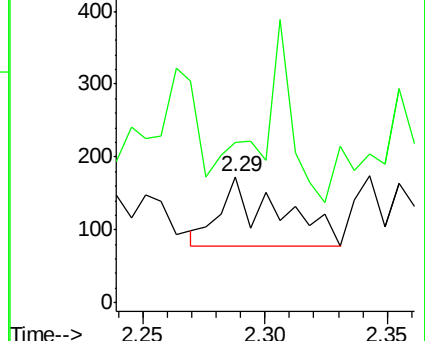
56 100

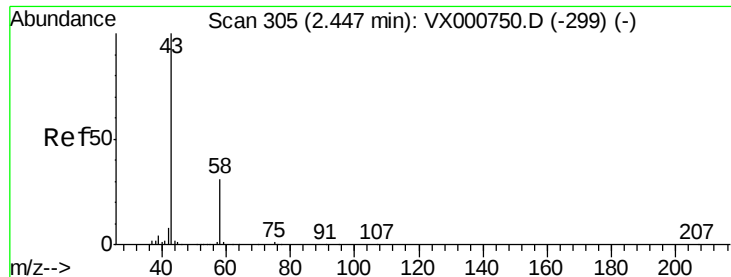
55 131.6 58.7 88.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 2.95 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000804.D

Acq: 12 Apr 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

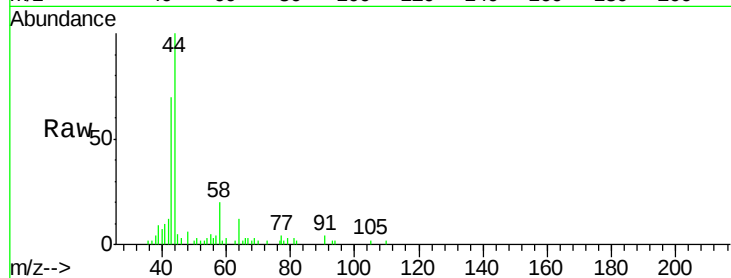
CA-AQIDW01-20180409

Tgt Ion: 43 Resp: 3600

Ion Ratio Lower Upper

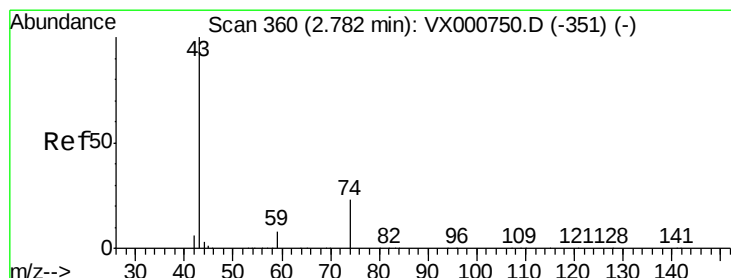
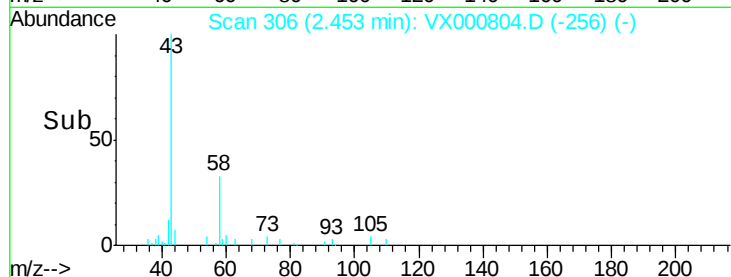
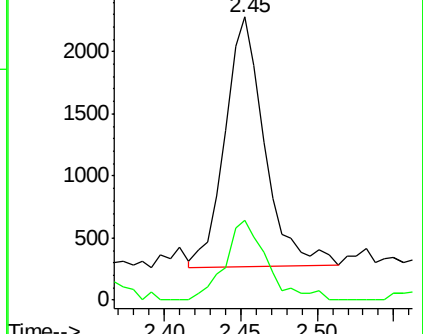
43 100

58 32.2 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.24 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.01 min

Lab File: VX000804.D

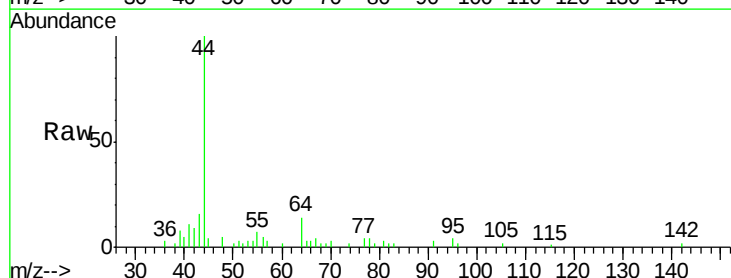
Acq: 12 Apr 2018 16:07

Tgt Ion: 43 Resp: 749

Ion Ratio Lower Upper

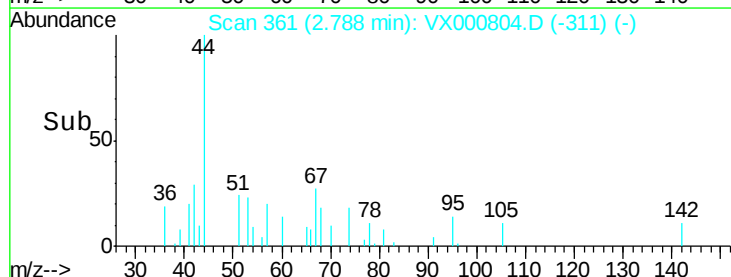
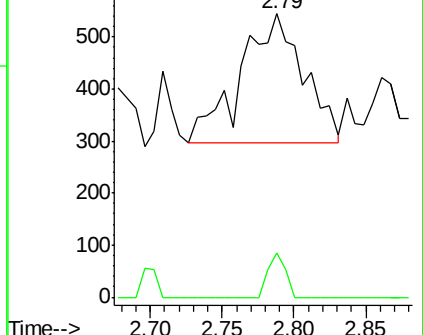
43 100

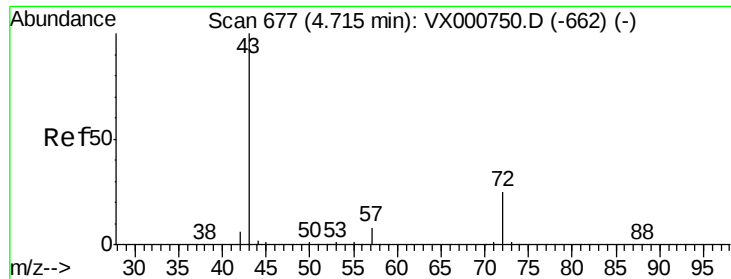
74 9.3 19.1 28.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#25

2-Butanone

Concen: 0.24 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000804.D

Acq: 12 Apr 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

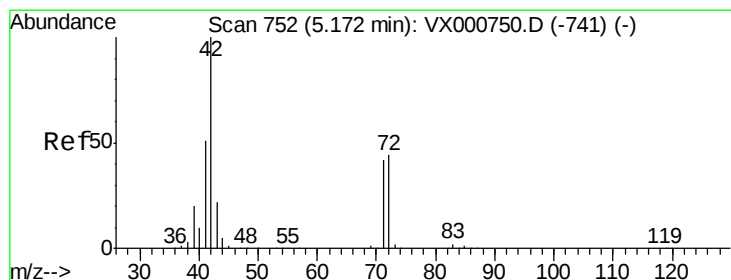
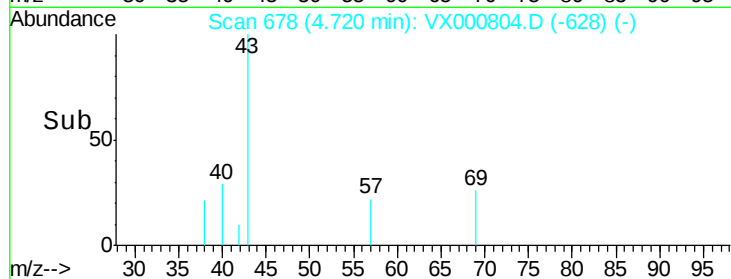
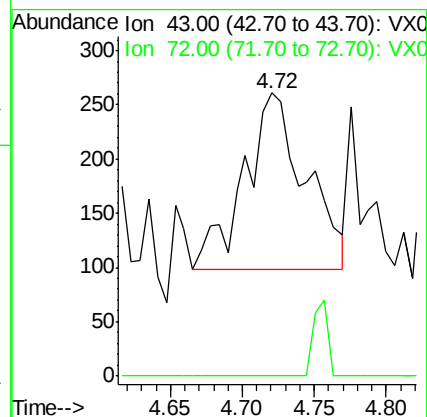
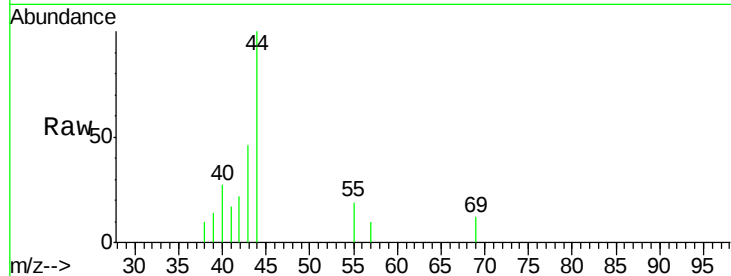
CA-AQIDW01-20180409

Tgt Ion: 43 Resp: 482

Ion Ratio Lower Upper

43 100

72 0.0 20.3 30.5#



#29

Tetrahydrofuran

Concen: 1.08 ug/l

RT: 5.20 min Scan# 756

Delta R.T. 0.02 min

Lab File: VX000804.D

Acq: 12 Apr 2018 16:07

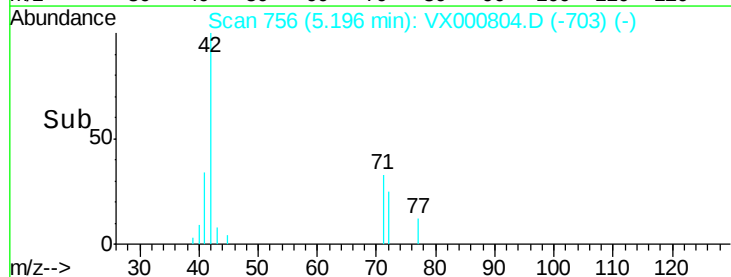
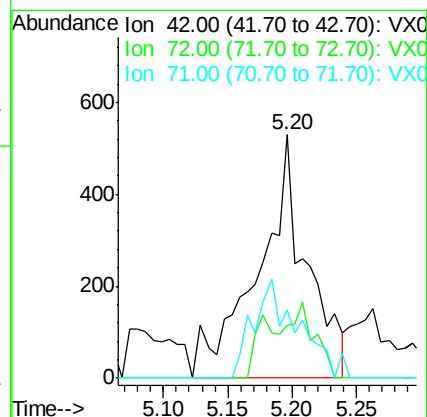
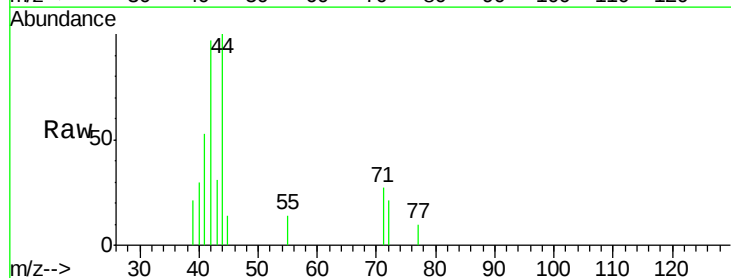
Tgt Ion: 42 Resp: 1382

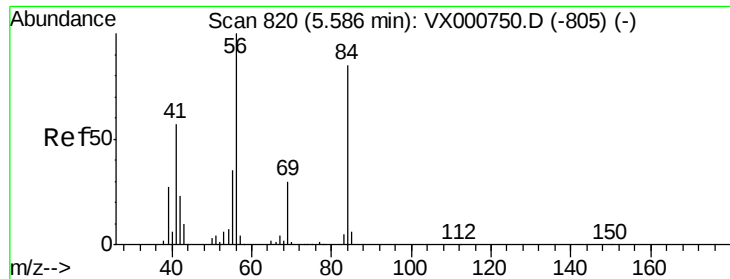
Ion Ratio Lower Upper

42 100

72 16.6 35.1 52.7#

71 0.0 32.8 49.2#

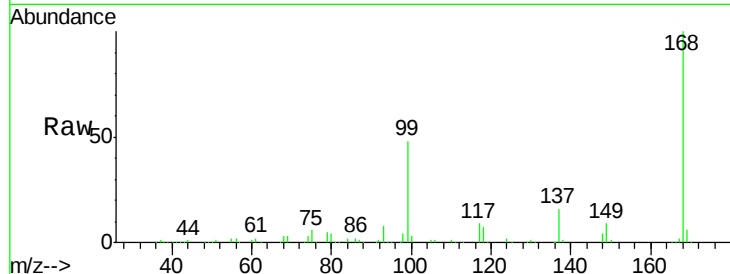




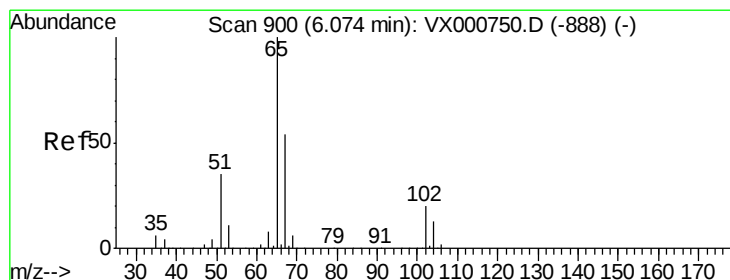
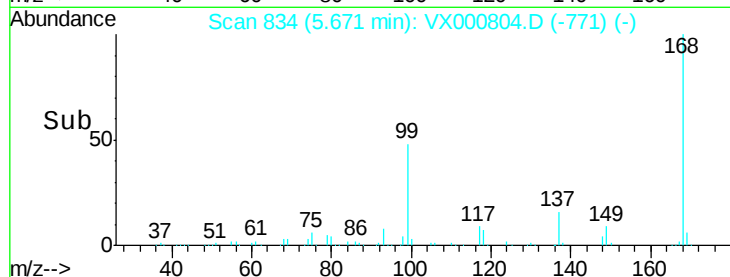
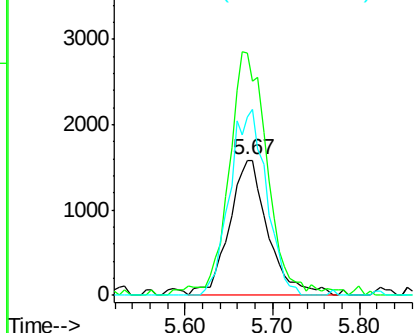
#31
Cyclohexane
Concen: 1.05 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX000804.D
Acq: 12 Apr 2018 16:07

Instrument :
MSVOA_X
ClientSampleId :
CA-AQIDW01-20180409

Tgt Ion: 56 Resp: 4893
Ion Ratio Lower Upper
56 100
69 175.3 24.2 36.4#
84 132.7 67.6 101.4#

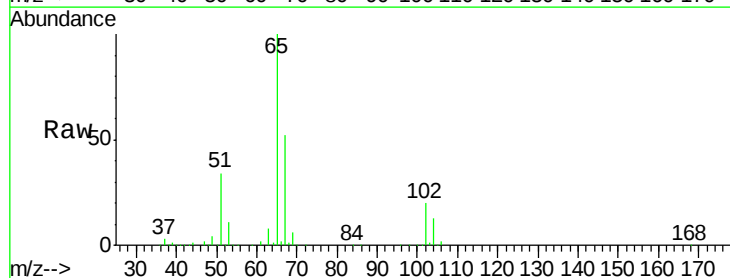


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

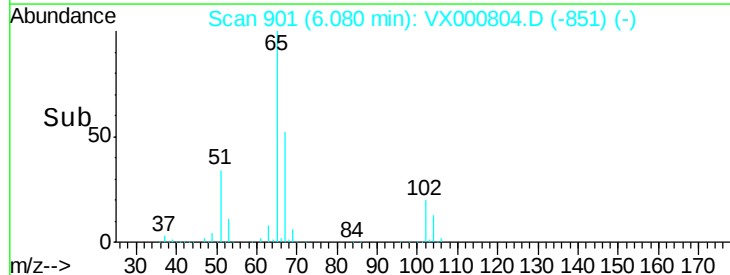
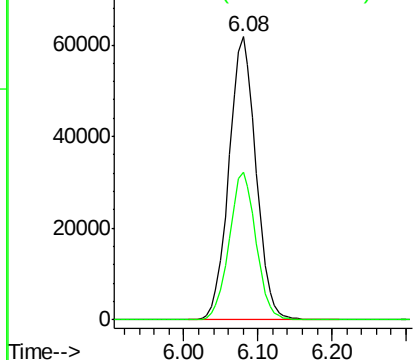


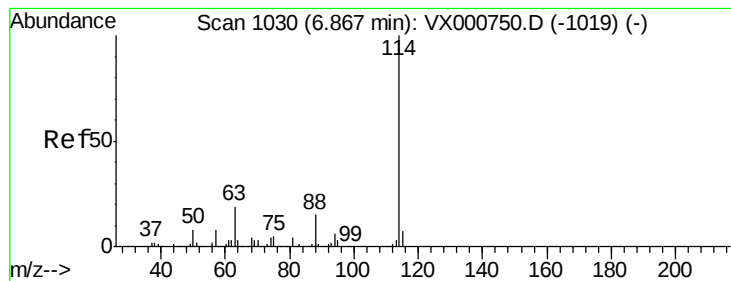
#33
1,2-Dichloroethane-d4
Concen: 44.50 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.01 min
Lab File: VX000804.D
Acq: 12 Apr 2018 16:07

Tgt Ion: 65 Resp: 157668
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX000804.D

Acq: 12 Apr 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

CA-AQIDW01-20180409

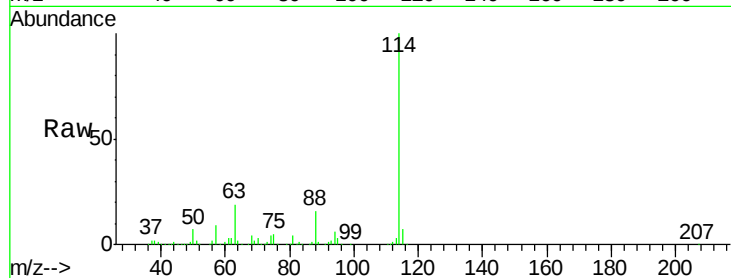
Tgt Ion:114 Resp: 361820

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.4

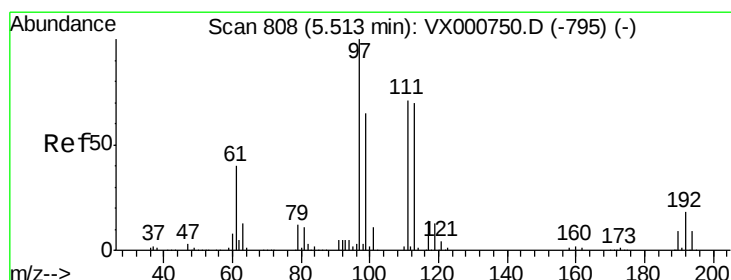
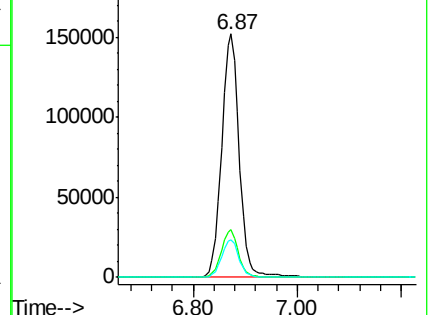
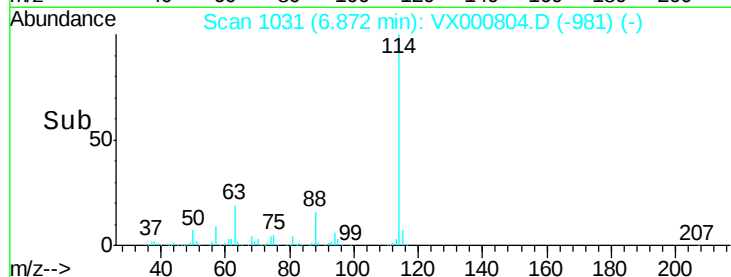
88 15.6 0.0 31.0



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: 46.53 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000804.D

Acq: 12 Apr 2018 16:07

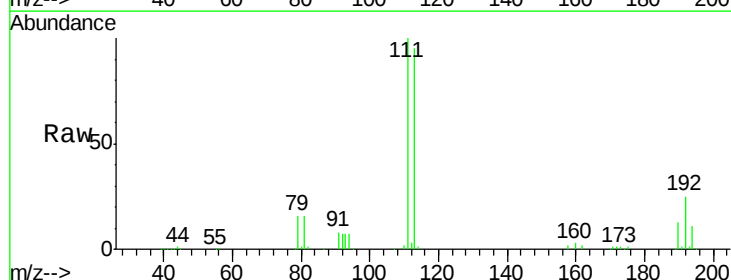
Tgt Ion:113 Resp: 129712

Ion Ratio Lower Upper

113 100

111 102.4 81.5 122.3

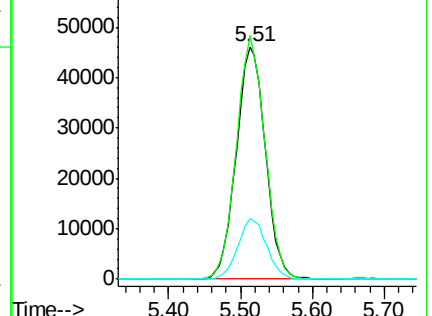
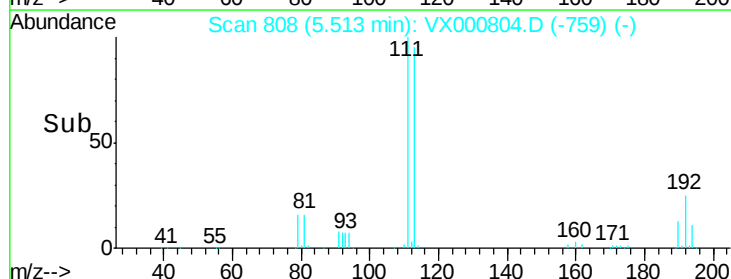
192 25.7 20.4 30.6

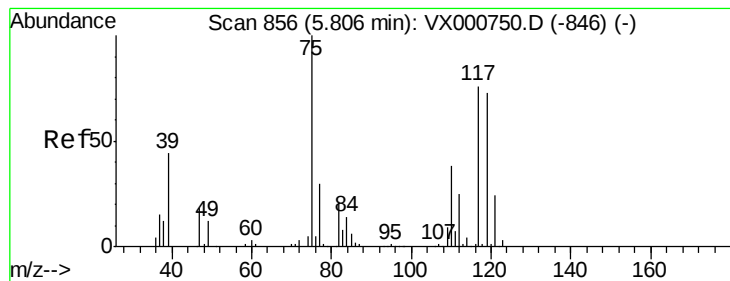


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.10 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX000804.D

Acq: 12 Apr 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

CA-AQIDW01-20180409

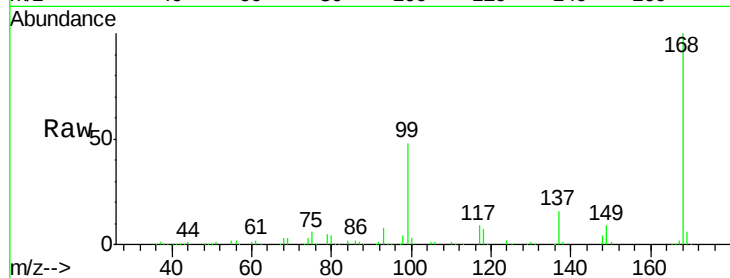
Tgt Ion: 75 Resp: 16346

Ion Ratio Lower Upper

75 100

110 10.7 19.2 57.6#

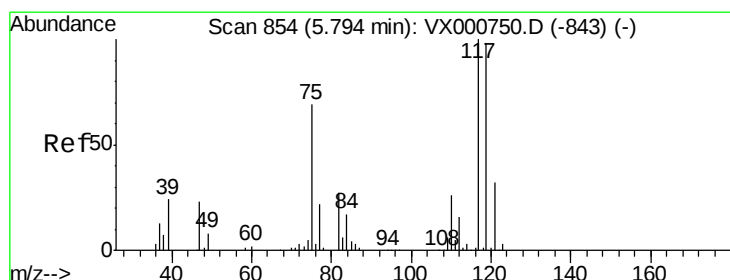
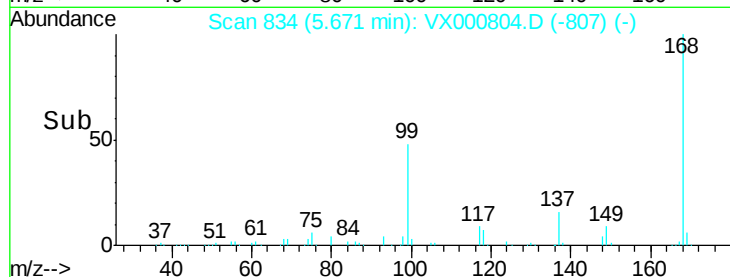
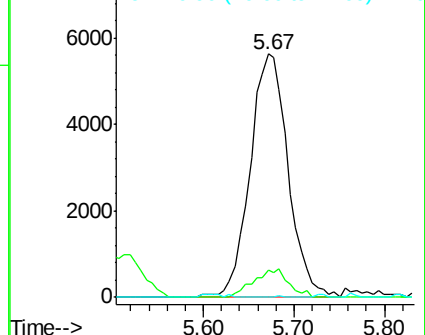
77 0.1 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VX000750.D (-846) (-)

Ion 109.90 (109.60 to 110.60): VX000750.D (-846) (-)

Ion 76.90 (76.60 to 77.60): VX000750.D (-846) (-)



#38

Carbon Tetrachloride

Concen: 5.39 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000804.D

Acq: 12 Apr 2018 16:07

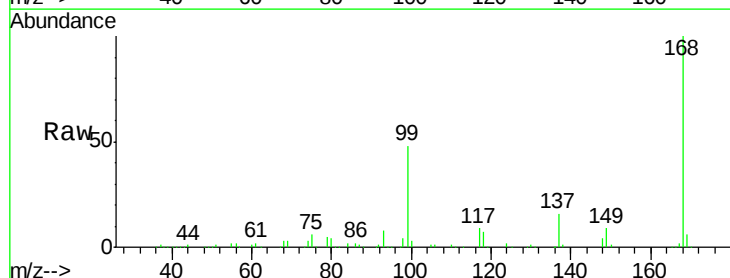
Tgt Ion: 117 Resp: 24053

Ion Ratio Lower Upper

117 100

119 5.0 78.4 117.6#

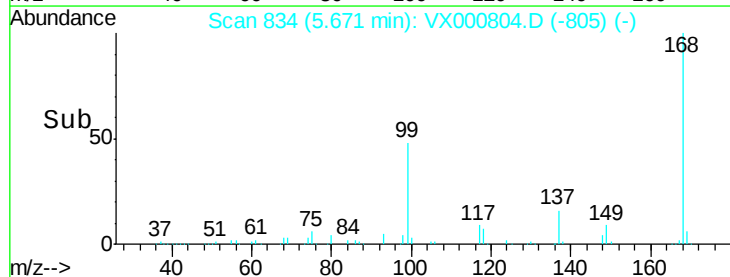
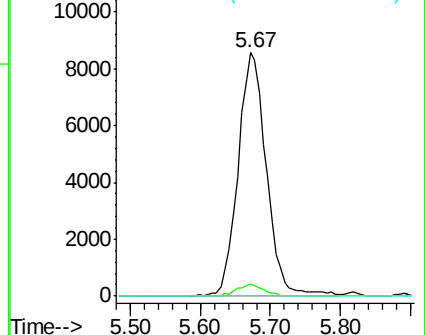
121 0.0 25.4 38.0#

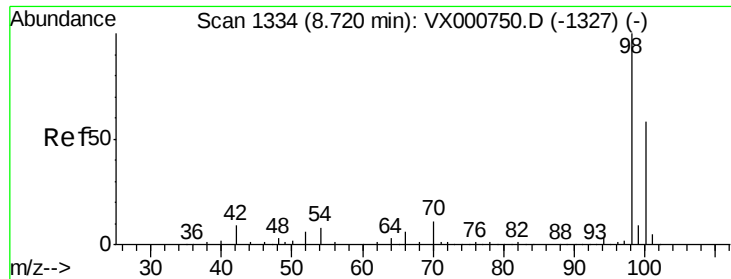


Abundance Ion 116.80 (116.50 to 117.50): VX000750.D (-843) (-)

Ion 118.80 (118.50 to 119.50): VX000750.D (-843) (-)

Ion 120.80 (120.50 to 121.50): VX000750.D (-843) (-)





#50

Toluene-d8

Concen: 47.59 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX000804.D

Acq: 12 Apr 2018 16:07

Instrument :

MSVOA_X

ClientSampleId :

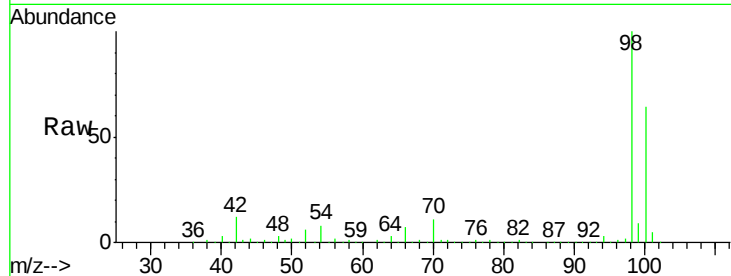
CA-AQIDW01-20180409

Tgt Ion: 98 Resp: 493939

Ion Ratio Lower Upper

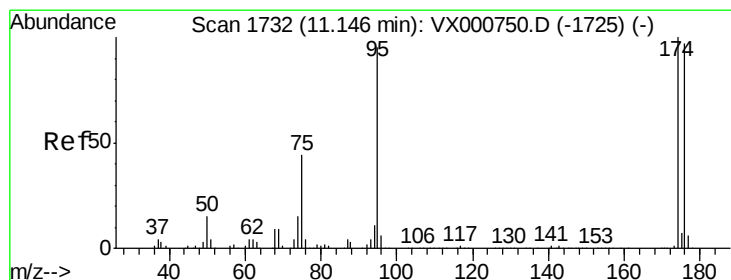
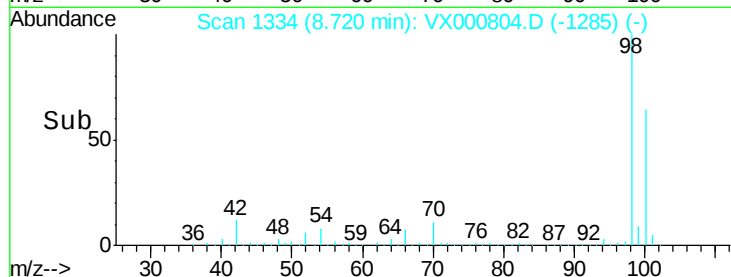
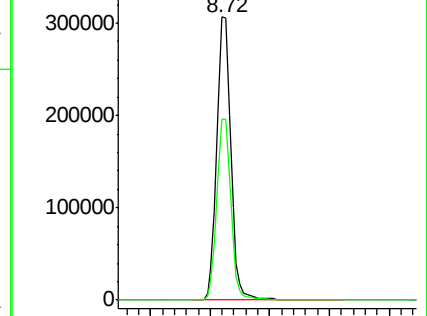
98 100

100 64.5 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 43.39 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000804.D

Acq: 12 Apr 2018 16:07

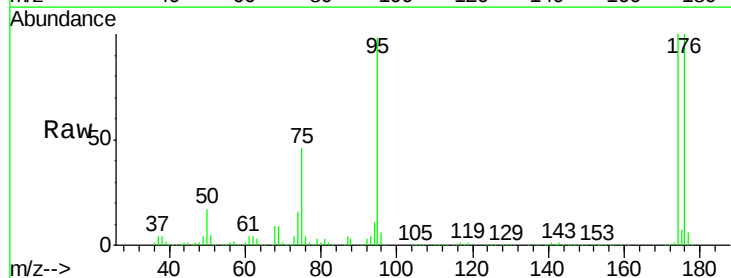
Tgt Ion: 95 Resp: 186347

Ion Ratio Lower Upper

95 100

174 97.8 0.0 198.4

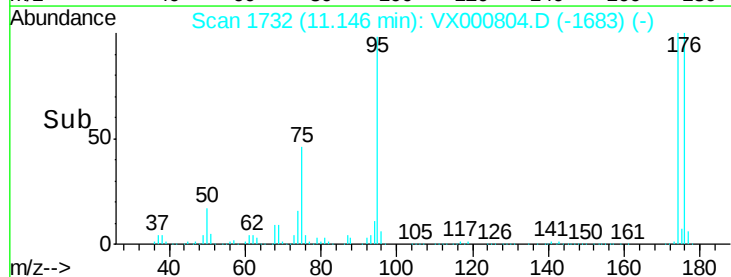
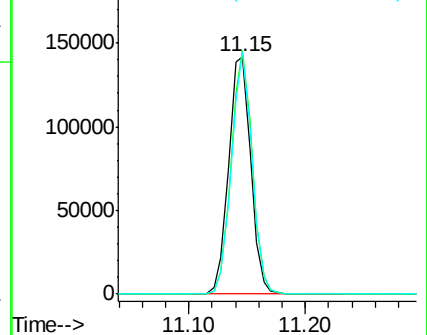
176 95.7 0.0 194.4

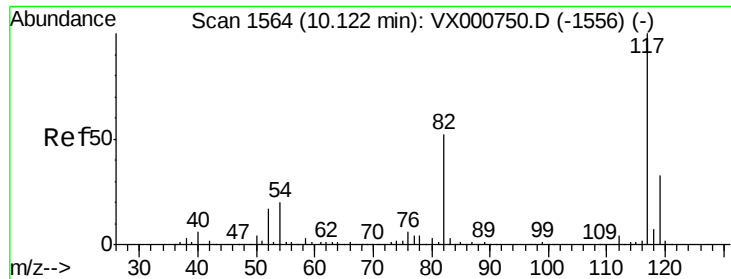


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

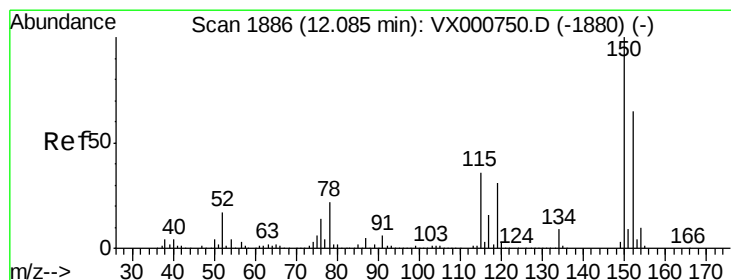
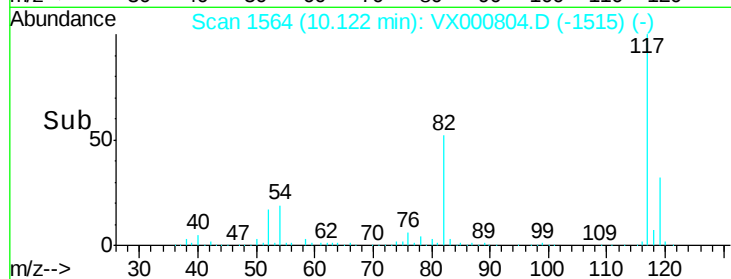
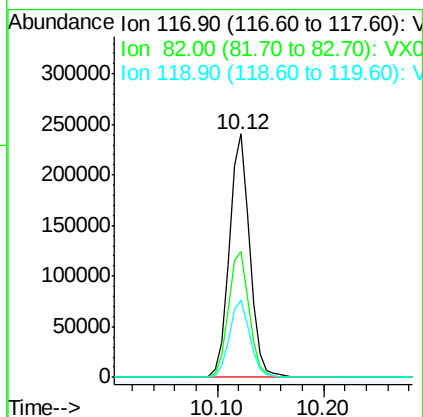
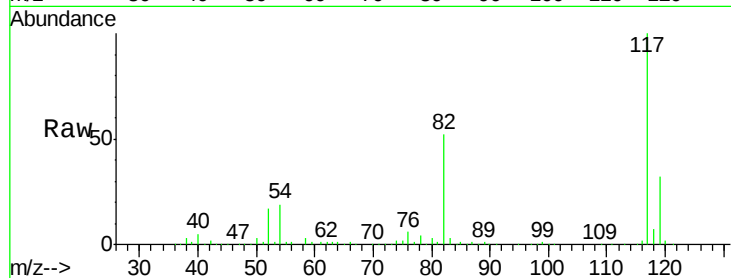




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000804.D
Acq: 12 Apr 2018 16:07

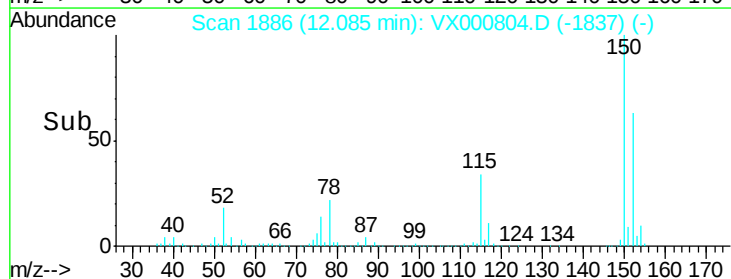
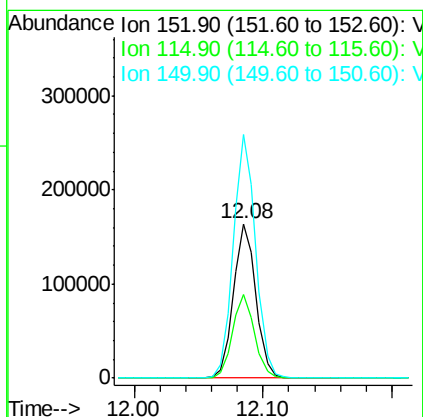
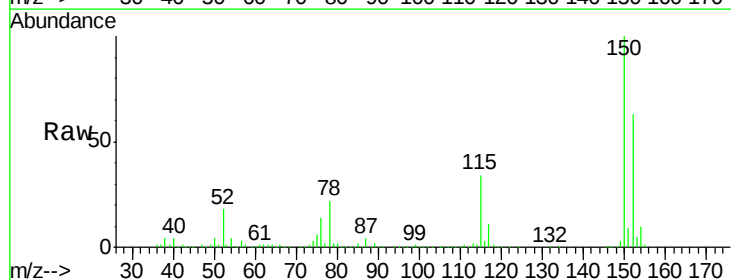
Instrument :
MSVOA_X
ClientSampleId :
CA-AQIDW01-20180409

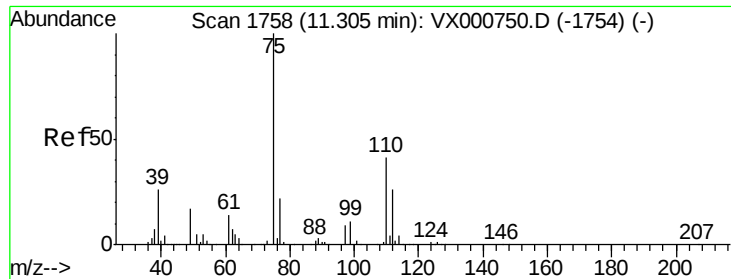
Tgt Ion:117 Resp: 323226
Ion Ratio Lower Upper
117 100
82 51.6 41.9 62.9
119 31.6 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000804.D
Acq: 12 Apr 2018 16:07

Tgt Ion:152 Resp: 198204
Ion Ratio Lower Upper
152 100
115 53.4 37.9 113.7
150 157.4 0.0 348.0

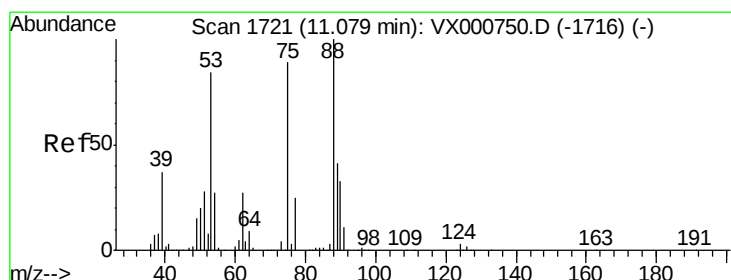
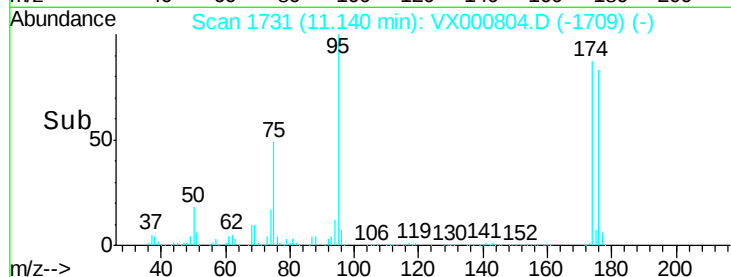
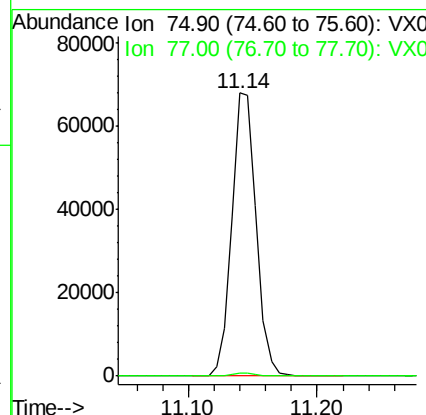
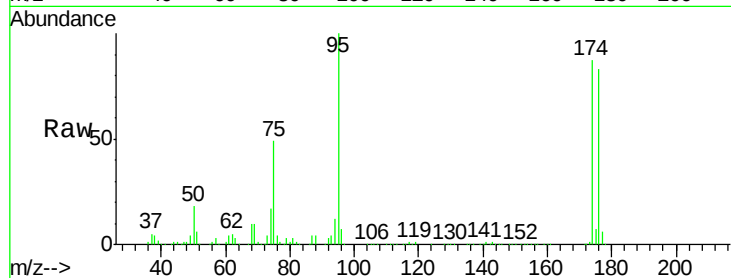




#76
 1,2,3-Trichloropropane
 Concen: 26.48 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX000804.D
 Acq: 12 Apr 2018 16:07

Instrument :
 MSVOA_X
 ClientSampleId :
 CA-AQIDW01-20180409

Tgt Ion: 75 Resp: 90514
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.5 61.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.84 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX000804.D
 Acq: 12 Apr 2018 16:07

Tgt Ion: 75 Resp: 90514
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 40.9 61.3#

