

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX082918\
 Data File : VX004292.D
 Acq On : 29 Aug 2018 14:57
 Operator : JC/MD
 Sample : J4681-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW02S-M12W4-082318-D

Quant Time: Aug 30 02:08:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	266358	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	416966	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	387904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	204965	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	187442	53.99	ug/l	0.00
Spiked Amount			Recovery	=	107.98%	
35) Dibromofluoromethane	5.50	113	164546	53.05	ug/l	0.00
Spiked Amount			Recovery	=	106.10%	
50) Toluene-d8	8.71	98	595161	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	
62) 4-Bromofluorobenzene	11.14	95	203183	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	

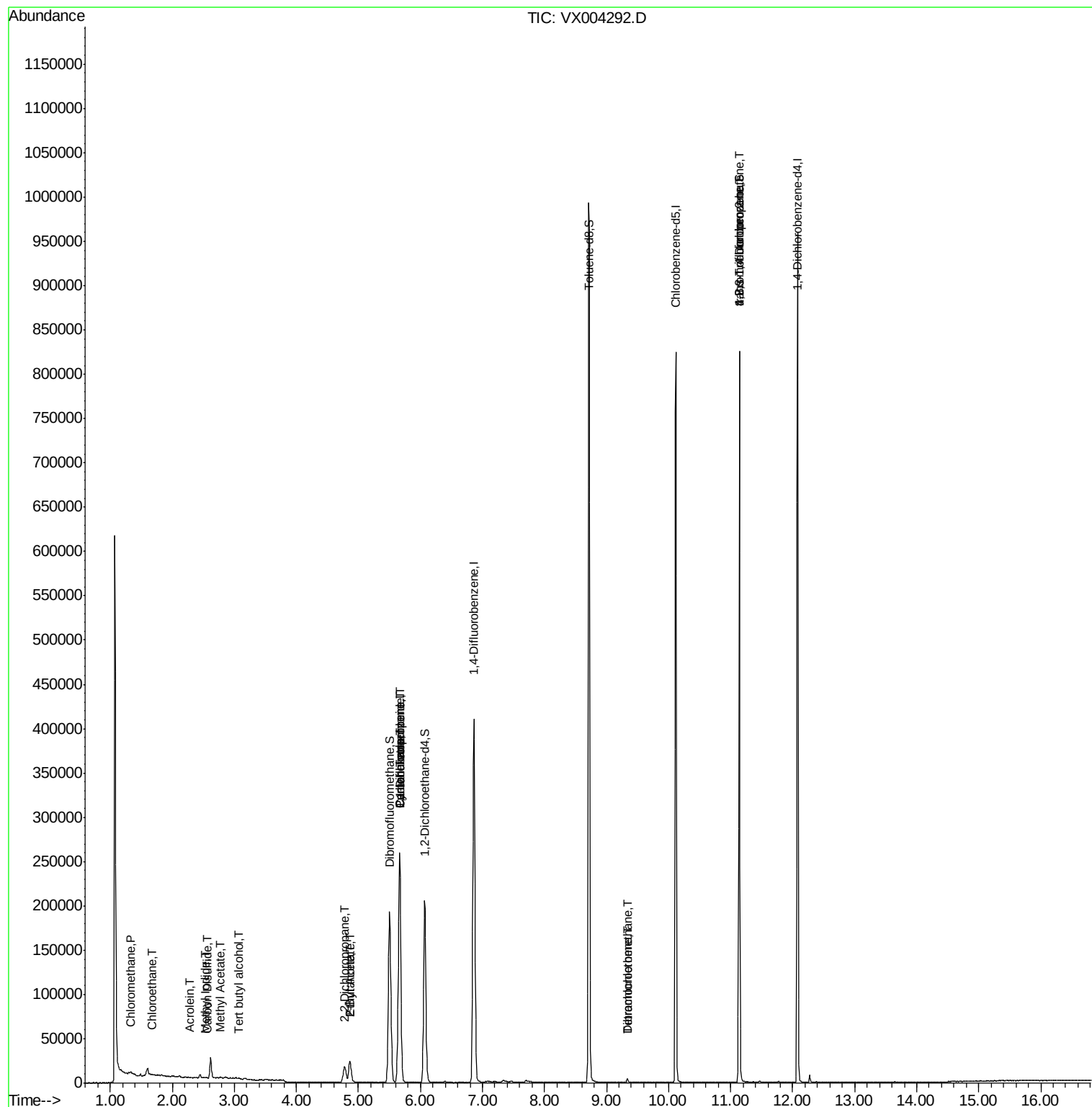
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	969	0.57	ug/l	# 82
5) Bromomethane	1.65	94	958	Below Cal		# 71
6) Chloroethane	1.66	64	6725	3.36	ug/l	# 51
10) Methyl Iodide	2.53	142	394	4.37	ug/l	# 86
11) Tert butyl alcohol	3.07	59	1180	1.59	ug/l	# 85
13) Acrolein	2.29	56	95	0.53	ug/l	# 1
16) Acetone	2.45	43	3919	Below Cal		# 88
17) Carbon Disulfide	2.57	76	422	0.85	ug/l	# 85
18) Methyl Acetate	2.78	43	1081	0.21	ug/l	# 81
25) 2-Butanone	4.86	43	42525	15.61	ug/l	# 47
26) 2,2-Dichloropropane	4.78	77	1610	0.36	ug/l	# 52
31) Cyclohexane	5.67	56	4425	0.91	ug/l	# 1
36) 1,1-Dichloropropene	5.66	75	17799	3.80	ug/l	# 49
37) Ethyl Acetate	4.86	43	42525	9.22	ug/l	98
38) Carbon Tetrachloride	5.67	117	23352	5.30	ug/l	# 16
60) Dibromochloromethane	9.34	129	971	0.28	ug/l	# 11
64) Tetrachloroethene	9.34	164	1021	0.27	ug/l	# 83
76) 1,2,3-Trichloropropane	11.14	75	95045	22.80	ug/l	# 37
81) trans-1,4-Dichloro-2-buten	11.14	75	95045	73.98	ug/l	# 10

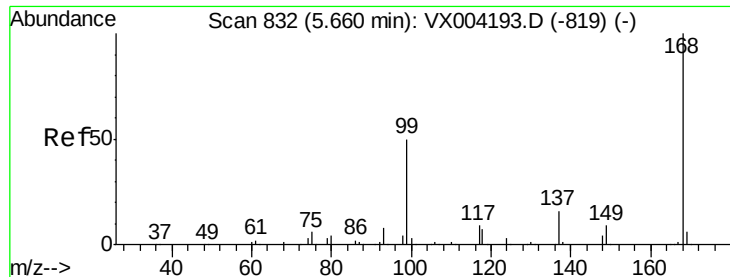
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.01 min

Lab File: VX004292.D

Acq: 29 Aug 2018 14:57

Instrument :

MSVOA_X

ClientSampleId :

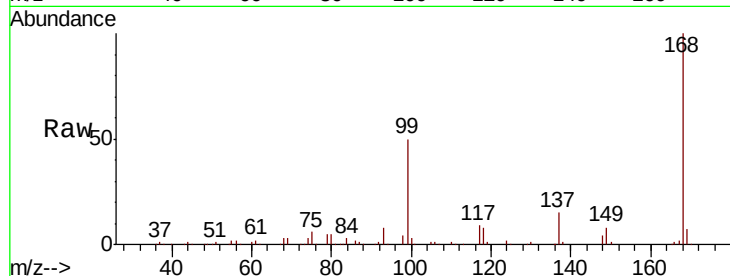
CPA-CPMW02S-M12W4-082318-D

Tot Ion:168 Resp: 266358

Ion Ratio Lower Upper

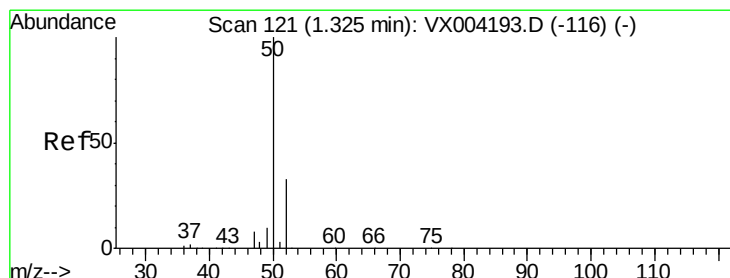
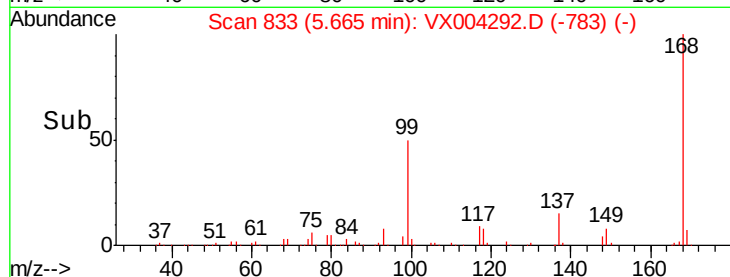
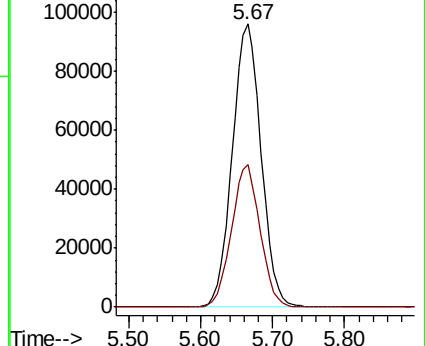
168 100

99 50.4 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.57 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004292.D

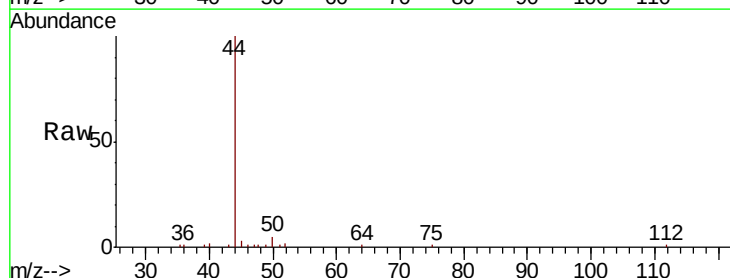
Acq: 29 Aug 2018 14:57

Tgt Ion: 50 Resp: 969

Ion Ratio Lower Upper

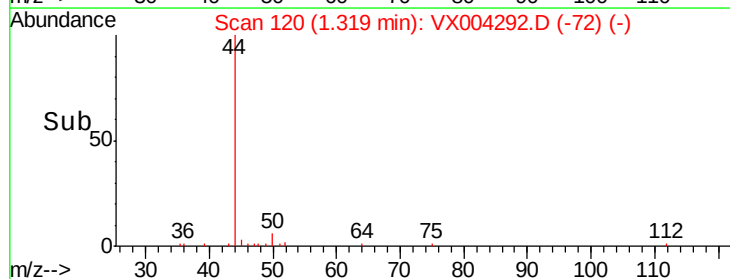
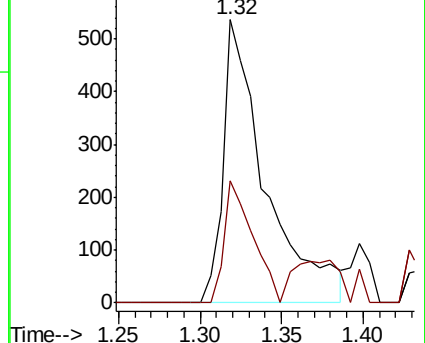
50 100

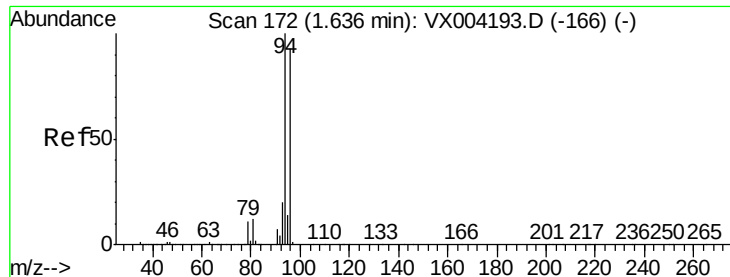
52 42.9 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX004292.D

Acq: 29 Aug 2018 14:57

Instrument :

MSVOA_X

ClientSampleId :

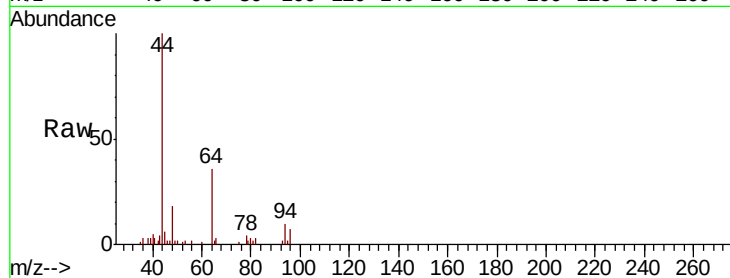
CPA-CPMW02S-M12W4-082318-D

Tot Ion: 94 Resp: 958

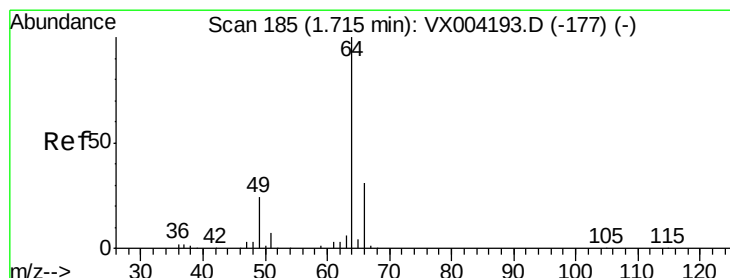
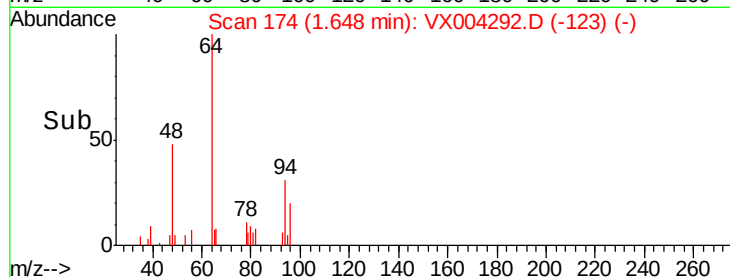
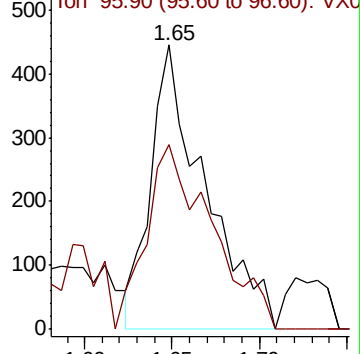
Ion Ratio Lower Upper

94 100

96 65.0 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0



#6

Chloroethane

Concen: 3.36 ug/l

RT: 1.66 min Scan# 176

Delta R.T. -0.05 min

Lab File: VX004292.D

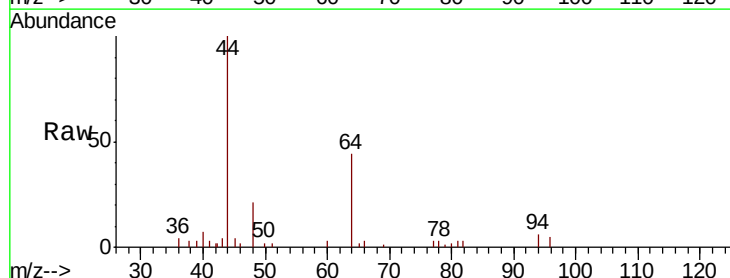
Acq: 29 Aug 2018 14:57

Tgt Ion: 64 Resp: 6725

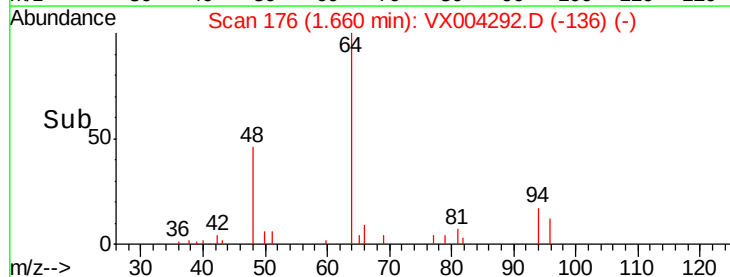
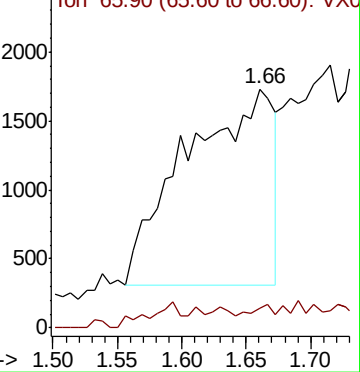
Ion Ratio Lower Upper

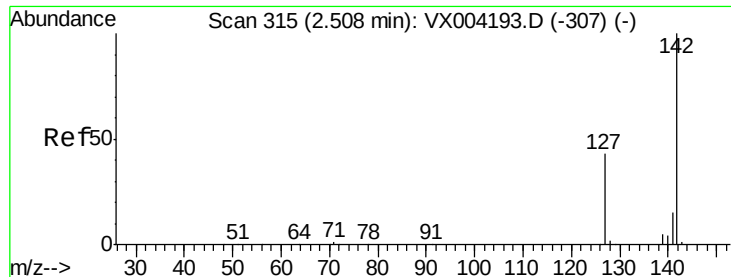
64 100

66 3.7 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

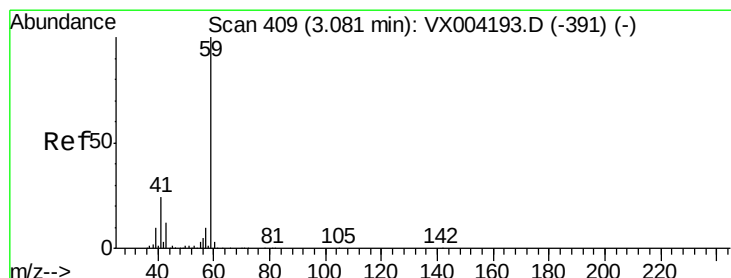
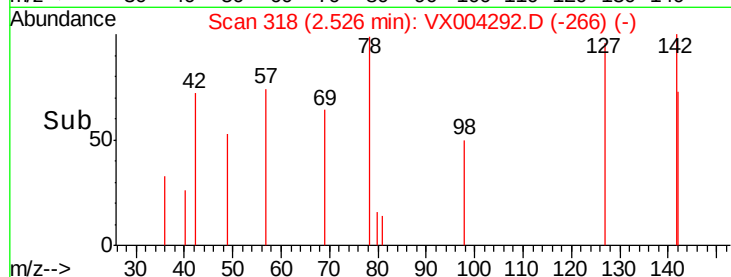
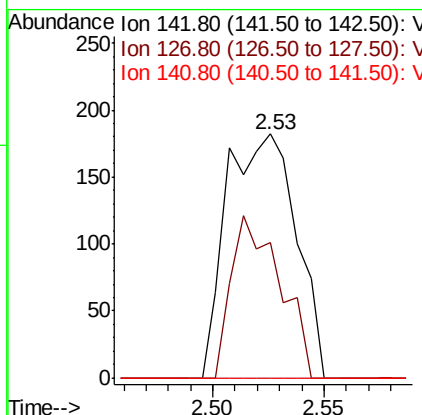
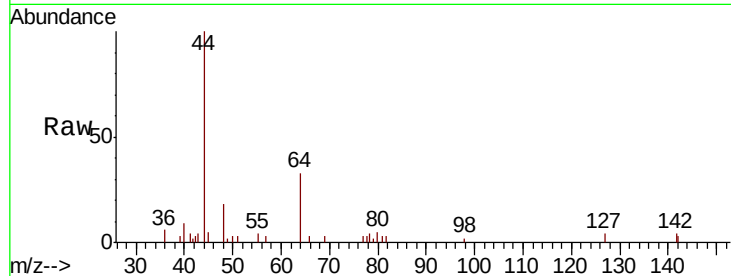




#10
Methvl Iodide
Concen: 4.37 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.02 min
Lab File: VX004292.D
Acq: 29 Aug 2018 14:57

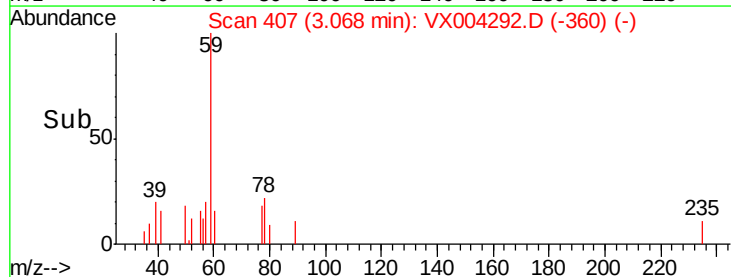
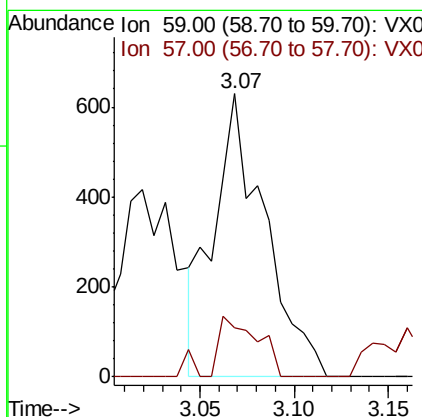
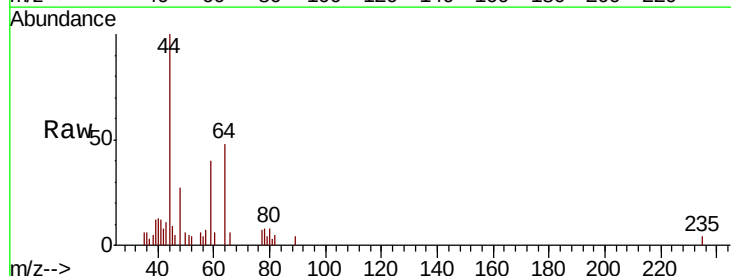
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW02S-M12W4-082318-D

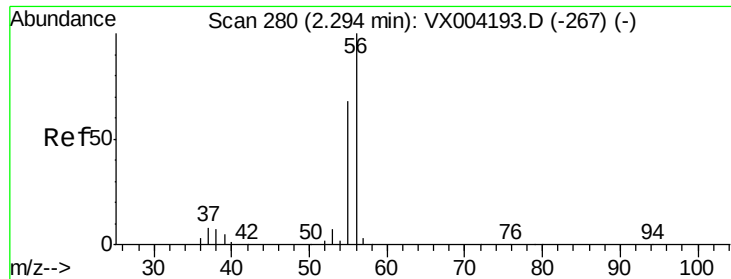
Tot Ion:142 Resp: 394
Ion Ratio Lower Upper
142 100
127 47.0 33.8 50.6
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 1.59 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX004292.D
Acq: 29 Aug 2018 14:57

Tgt Ion: 59 Resp: 1180
Ion Ratio Lower Upper
59 100
57 16.0 8.2 12.4#





#13

Acrolein

Concen: 0.53 ua/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX004292.D

Acq: 29 Aug 2018 14:57

Instrument :

MSVOA_X

ClientSampleId :

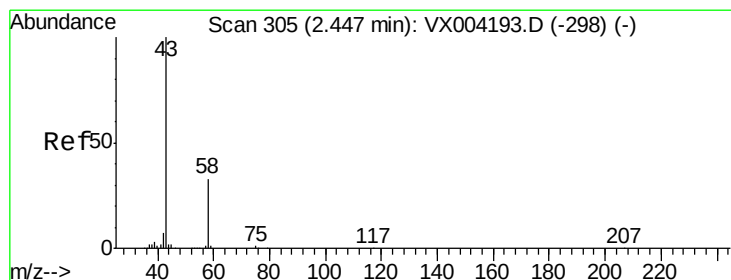
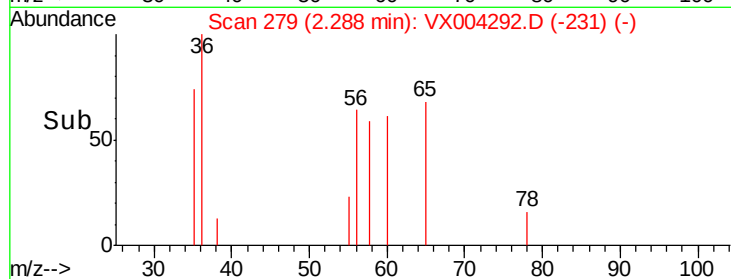
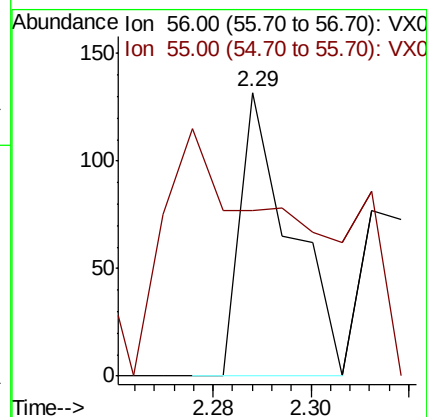
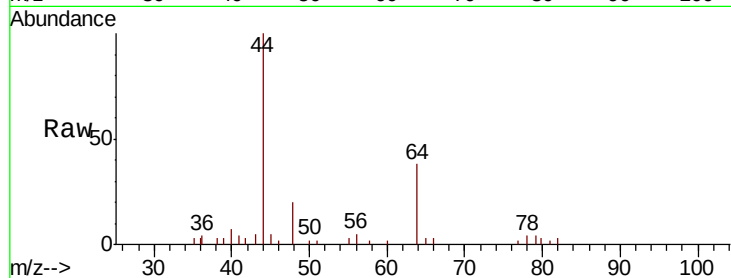
CPA-CPMW02S-M12W4-082318-D

Tot Ion: 56 Resp: 95

Ion Ratio Lower Upper

56 100

55 245.3 54.7 82.1#



#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX004292.D

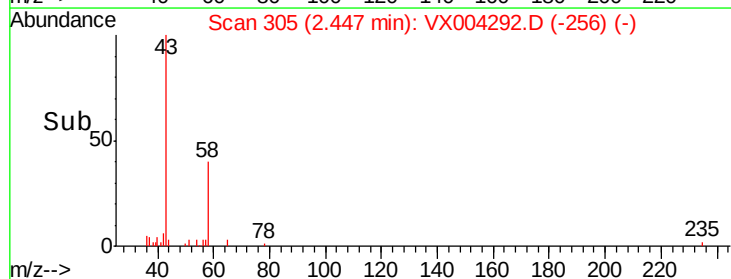
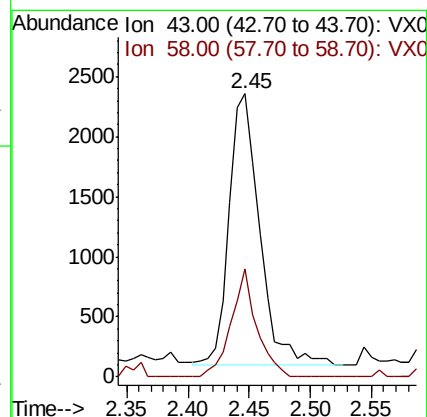
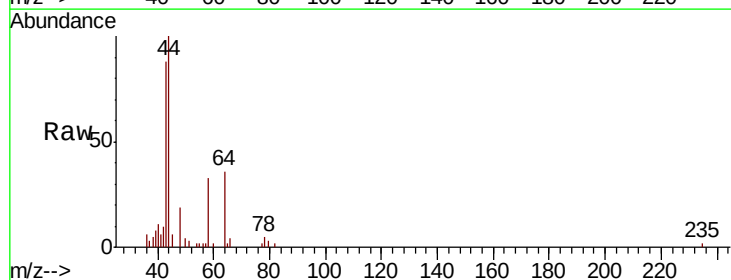
Acq: 29 Aug 2018 14:57

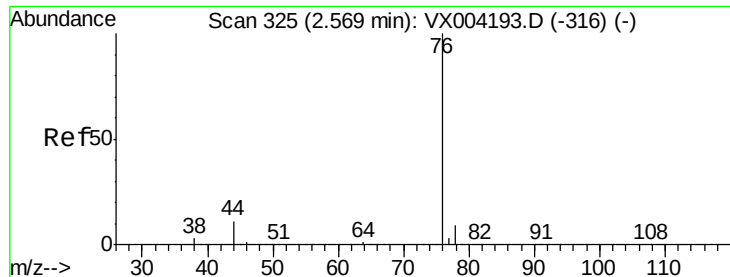
Tgt Ion: 43 Resp: 3919

Ion Ratio Lower Upper

43 100

58 39.6 26.2 39.4#





#17

Carbon Disulfide

Concen: 0.85 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX004292.D

Acq: 29 Aug 2018 14:57

Instrument :

MSVOA_X

ClientSampleId :

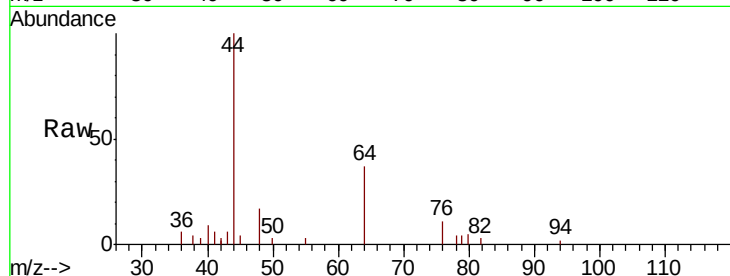
CPA-CPMW02S-M12W4-082318-D

Tot Ion: 76 Resp: 422

Ion Ratio Lower Upper

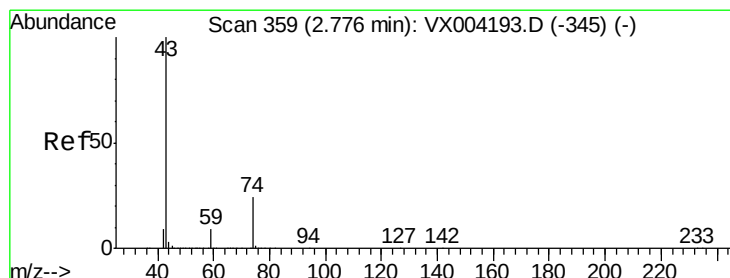
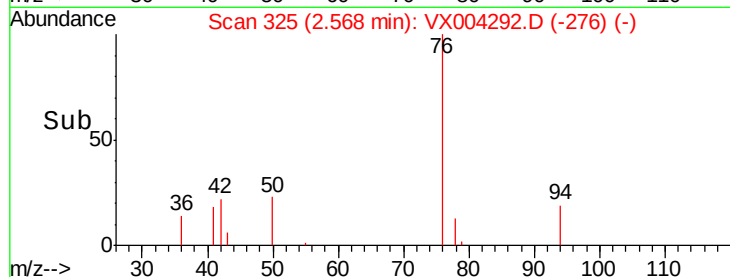
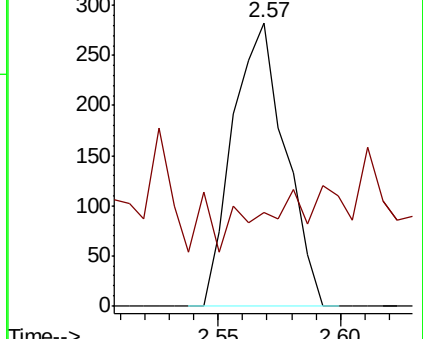
76 100

78 14.1 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.21 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.01 min

Lab File: VX004292.D

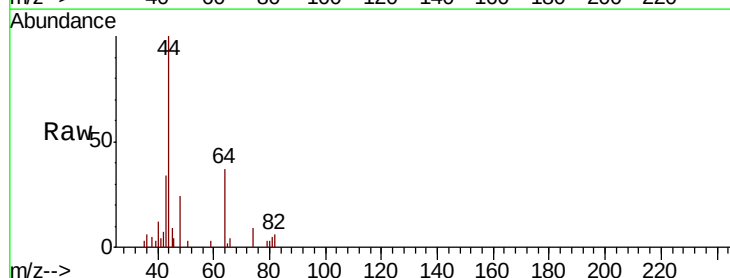
Acq: 29 Aug 2018 14:57

Tgt Ion: 43 Resp: 1081

Ion Ratio Lower Upper

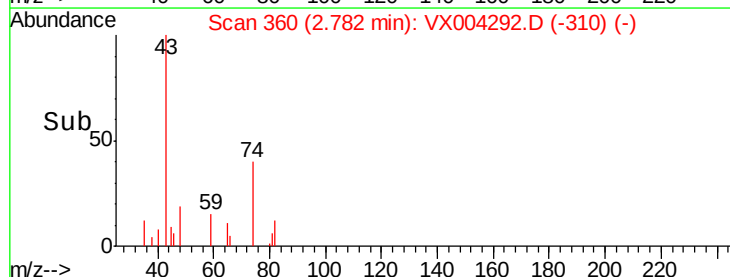
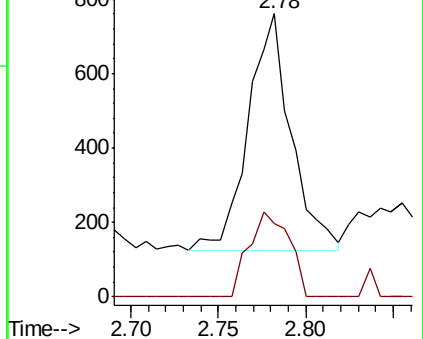
43 100

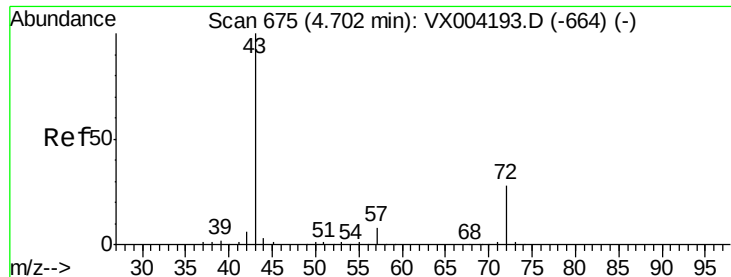
74 33.6 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#25

2-Butanone

Concen: 15.61 ug/l

RT: 4.86 min Scan# 701

Delta R.T. 0.16 min

Lab File: VX004292.D

Acq: 29 Aug 2018 14:57

Instrument :

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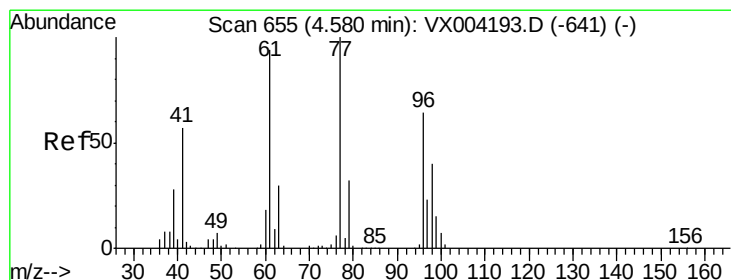
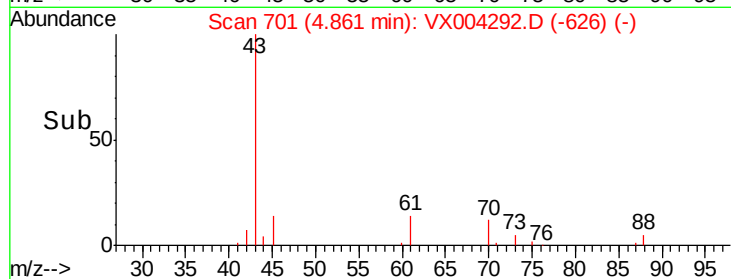
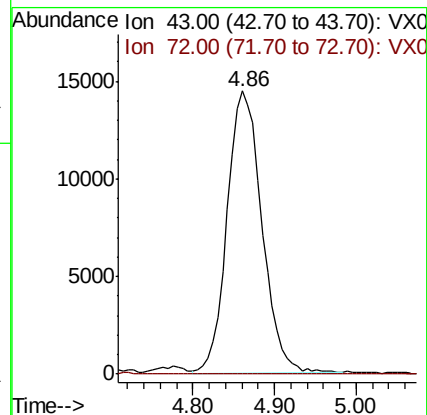
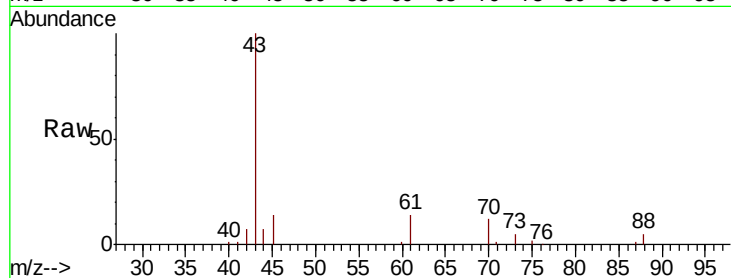
CPA-CPMW02S-M12W4-082318-D

Tot Ion: 43 Resp: 42525

Ion Ratio Lower Upper

43 100

72 0.0 22.0 33.0#



#26

2,2-Dichloropropane

Concen: 0.36 ug/l

RT: 4.78 min Scan# 687

Delta R.T. 0.19 min

Lab File: VX004292.D

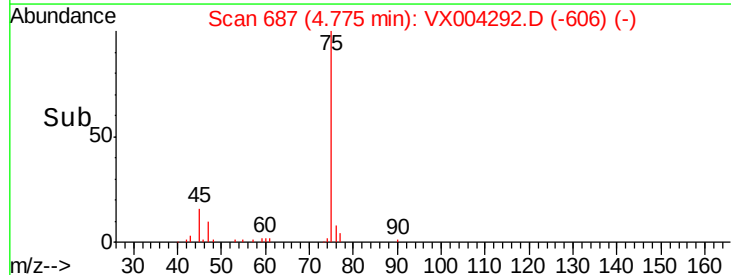
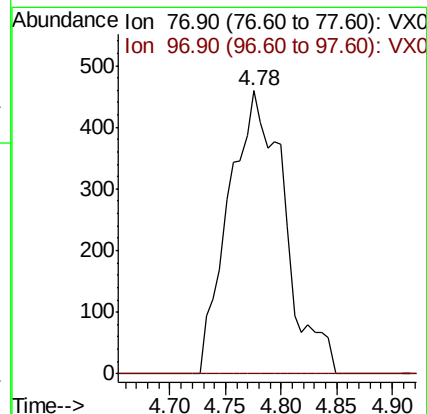
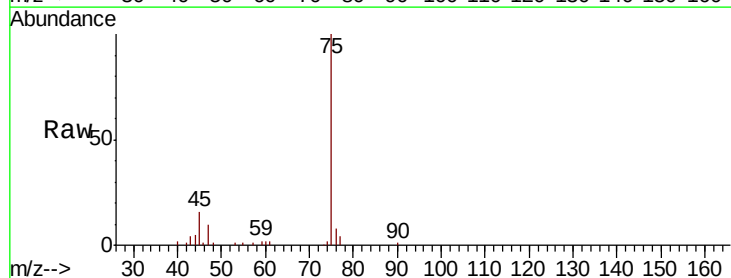
Acq: 29 Aug 2018 14:57

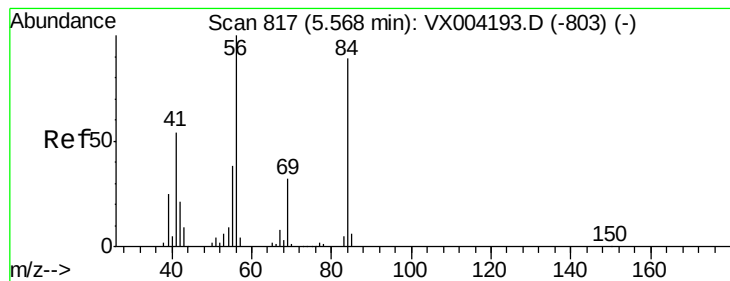
Tgt Ion: 77 Resp: 1610

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#





#31

Cyclohexane

Concen: 0.91 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.10 min

Lab File: VX004292.D

Acq: 29 Aug 2018 14:57

Instrument :

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CPA-CPMW02S-M12W4-082318-D

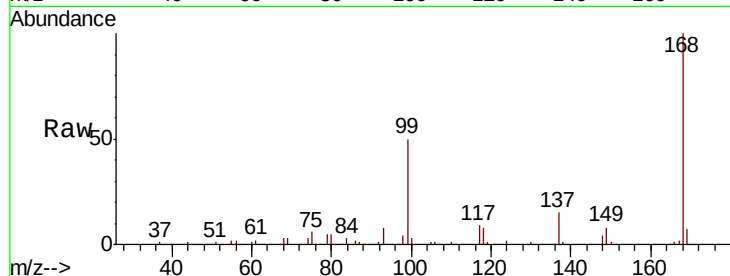
Tot Ion: 56 Resp: 4425

Ion Ratio Lower Upper

56 100

69 176.5 25.4 38.2#

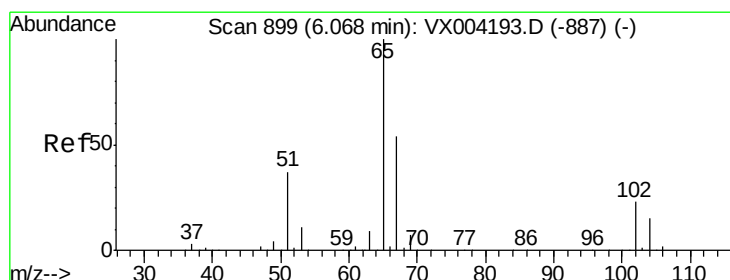
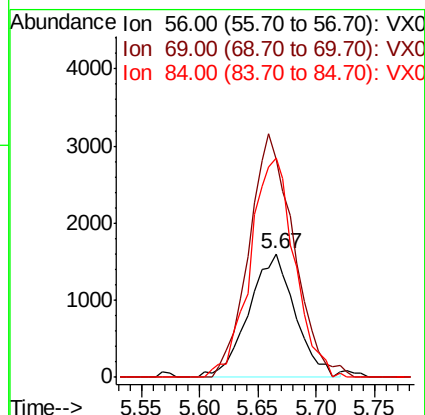
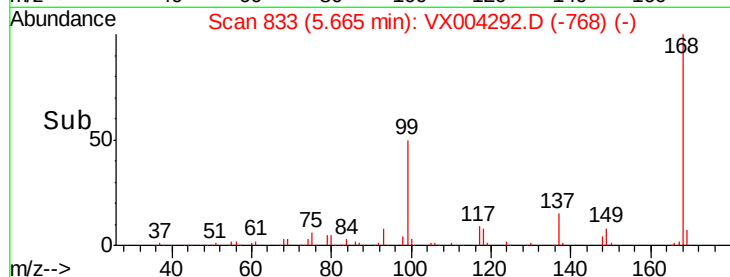
84 177.7 71.4 107.2#



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: 53.99 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.00 min

Lab File: VX004292.D

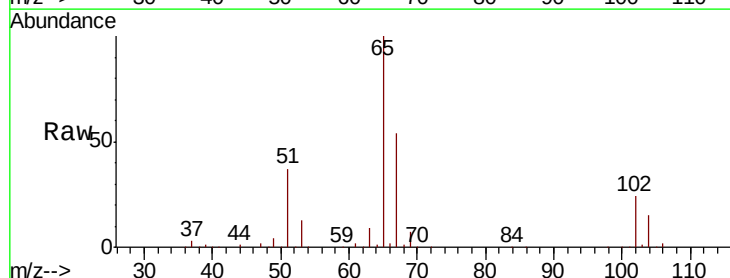
Acq: 29 Aug 2018 14:57

Tgt Ion: 65 Resp: 187442

Ion Ratio Lower Upper

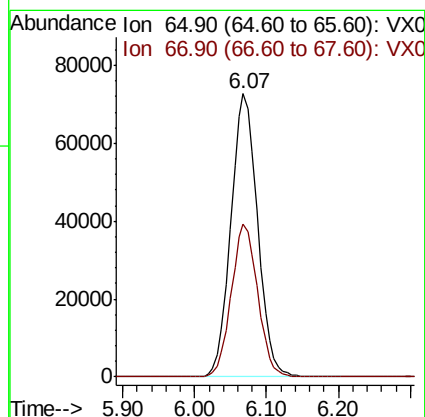
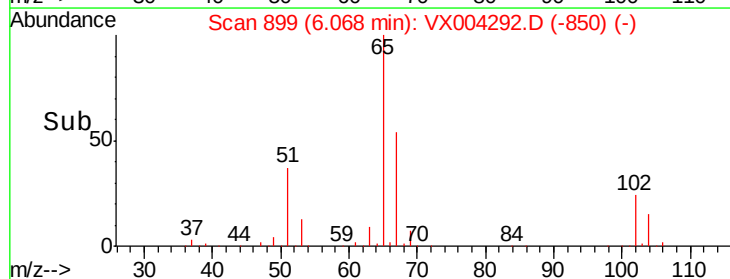
65 100

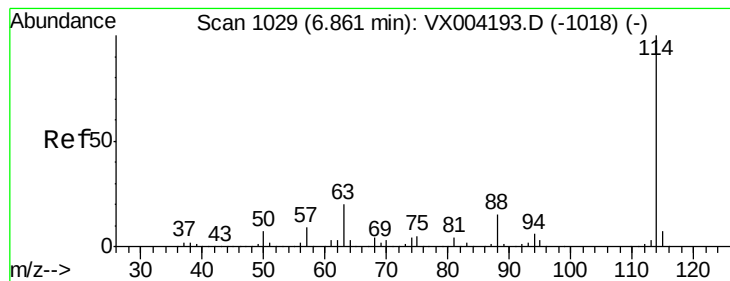
67 53.5 0.0 106.8



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: 6.86 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VX004292.D

Acq: 29 Aug 2018 14:57

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW02S-M12W4-082318-D

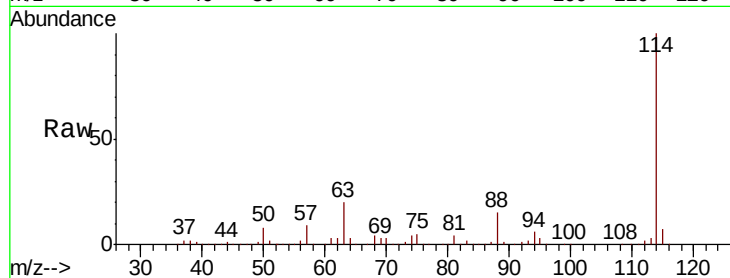
Tot Ion:114 Resp: 416966

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.0

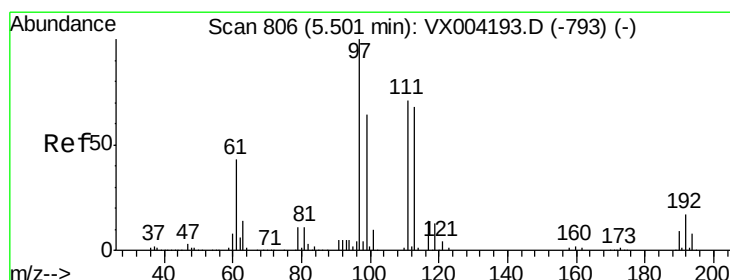
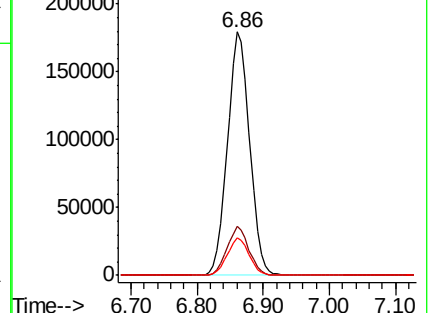
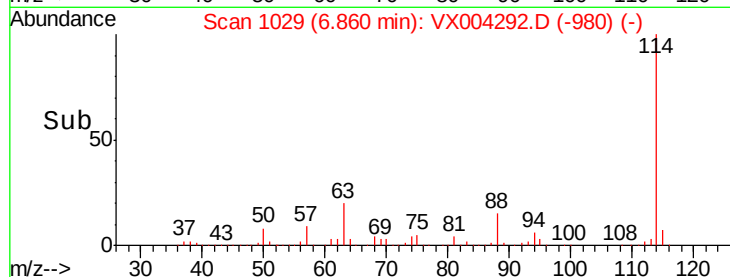
88 15.4 0.0 30.4



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: 53.05 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004292.D

Acq: 29 Aug 2018 14:57

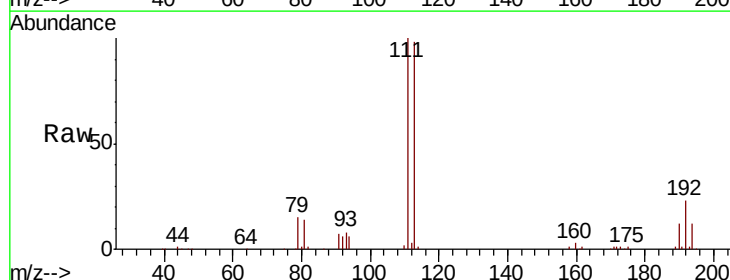
Tgt Ion:113 Resp: 164546

Ion Ratio Lower Upper

113 100

111 102.9 82.4 123.6

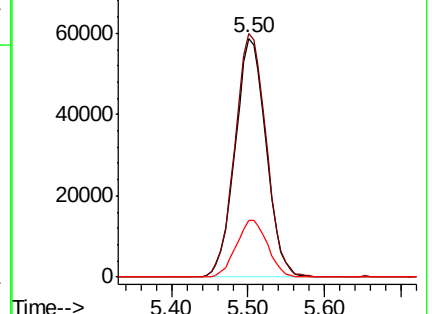
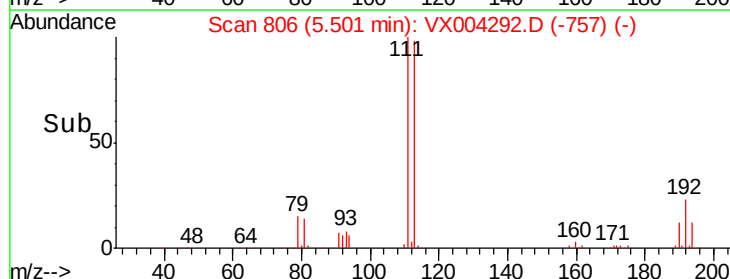
192 24.2 19.4 29.2

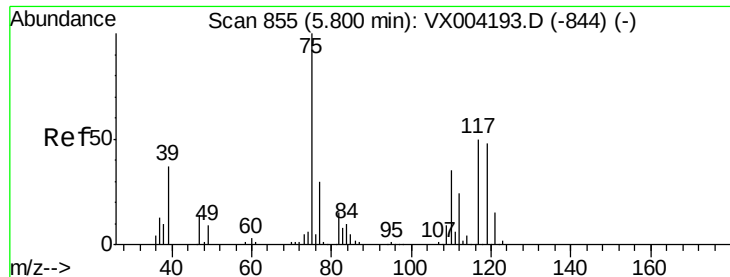


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.80 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.14 min

Lab File: VX004292.D

Acq: 29 Aug 2018 14:57

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW02S-M12W4-082318-D

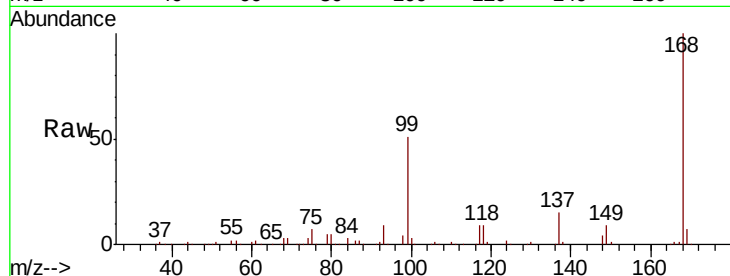
Tot Ion: 75 Resp: 17799

Ion Ratio Lower Upper

75 100

110 8.6 18.0 54.0#

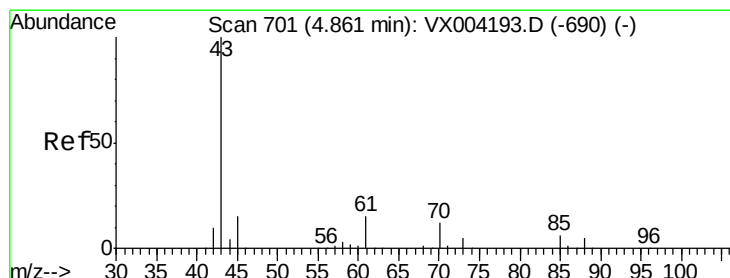
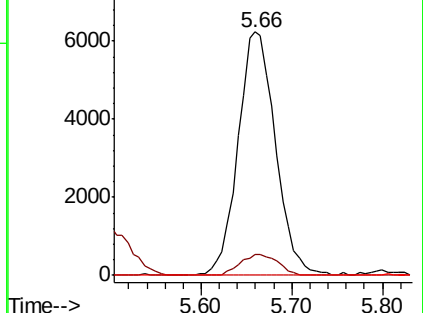
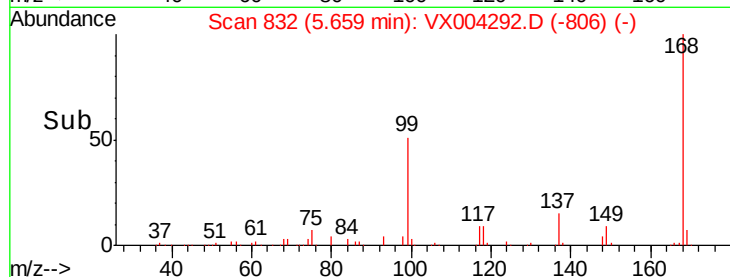
77 0.0 24.6 36.8#



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



#37

Ethyl Acetate

Concen: 9.22 ug/l

RT: 4.86 min Scan# 701

Delta R.T. -0.00 min

Lab File: VX004292.D

Acq: 29 Aug 2018 14:57

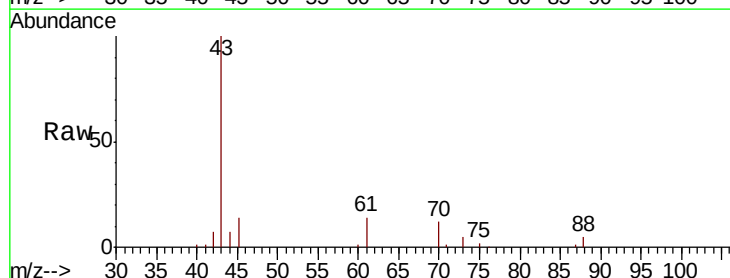
Tgt Ion: 43 Resp: 42525

Ion Ratio Lower Upper

43 100

61 15.3 11.5 17.3

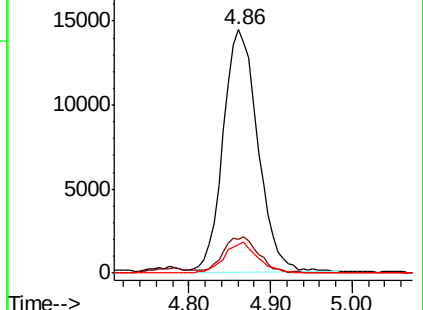
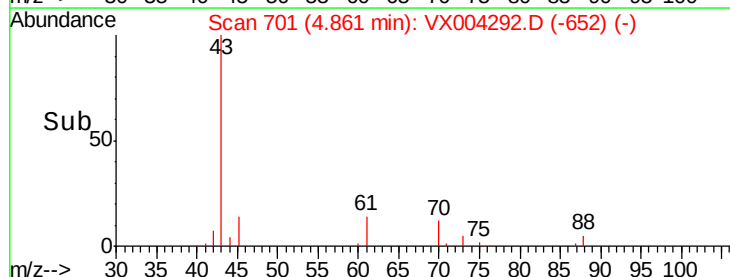
70 12.1 9.0 13.6

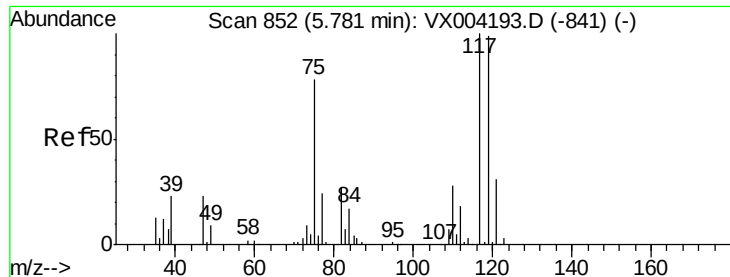


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 5.30 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX004292.D

Acq: 29 Aug 2018 14:57

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW02S-M12W4-082318-D

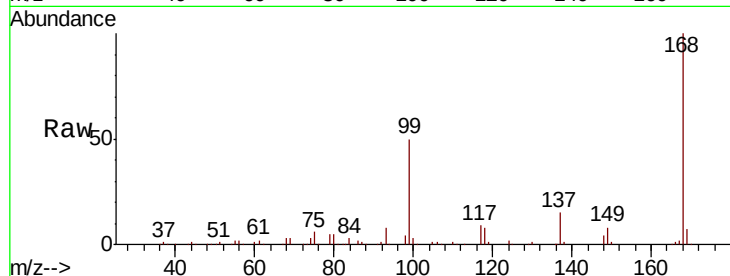
Tot Ion:117 Resp: 23352

Ion Ratio Lower Upper

117 100

119 6.2 78.8 118.2#

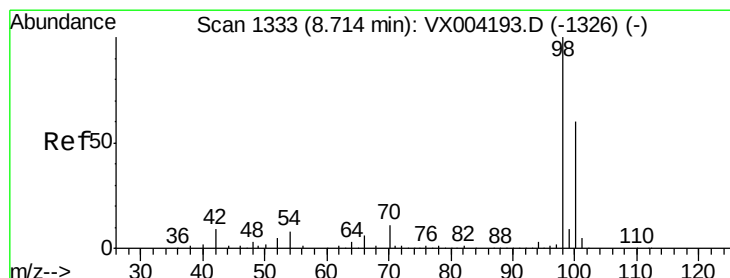
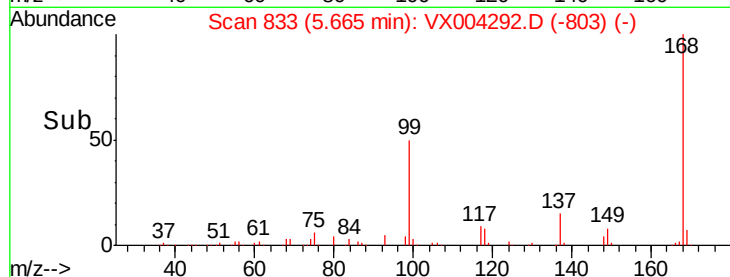
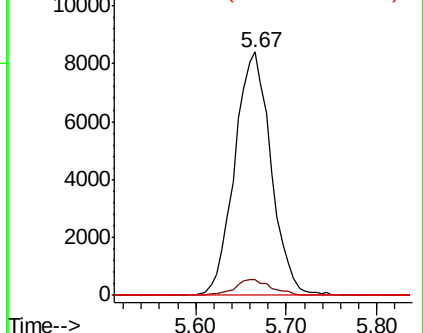
121 0.0 24.9 37.3#



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: 50.83 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. -0.00 min

Lab File: VX004292.D

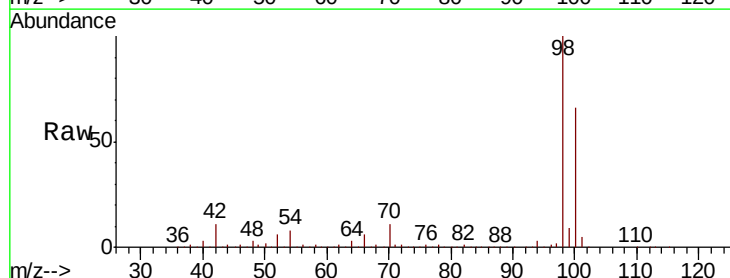
Acq: 29 Aug 2018 14:57

Tgt Ion: 98 Resp: 595161

Ion Ratio Lower Upper

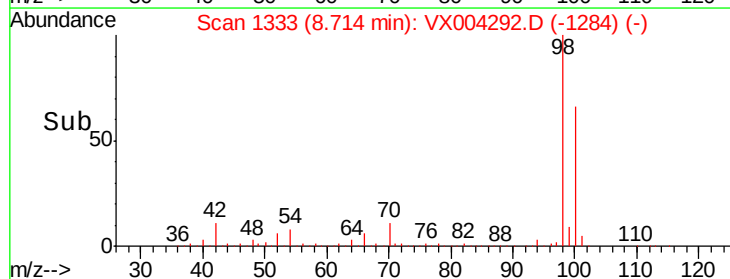
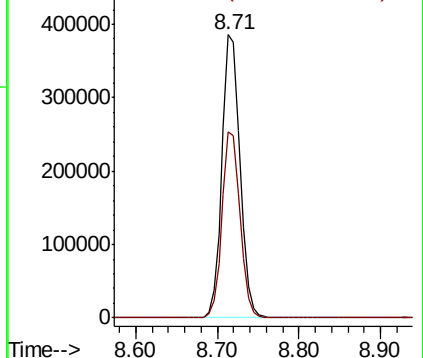
98 100

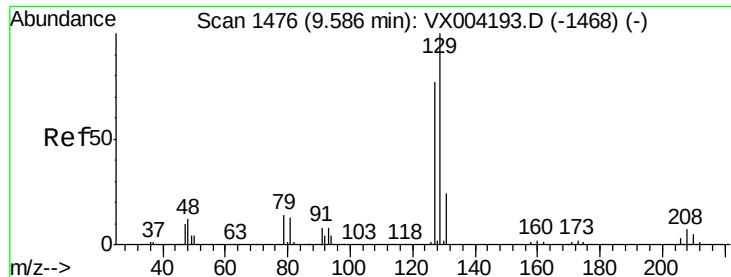
100 65.6 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

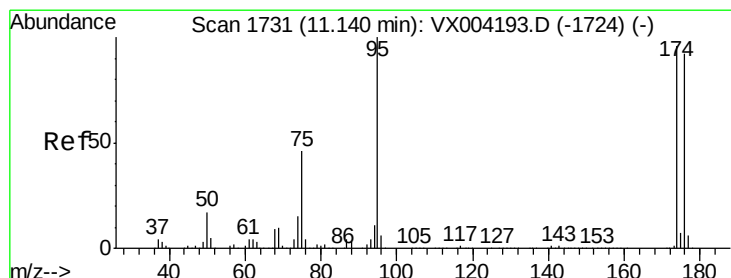
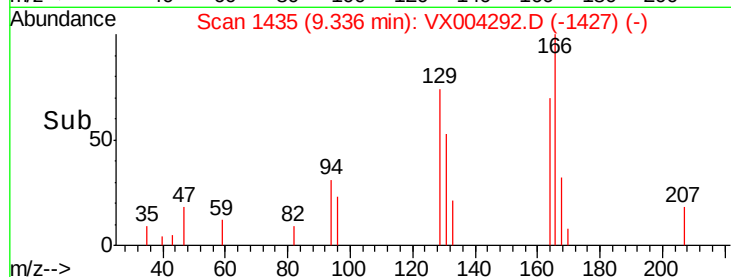
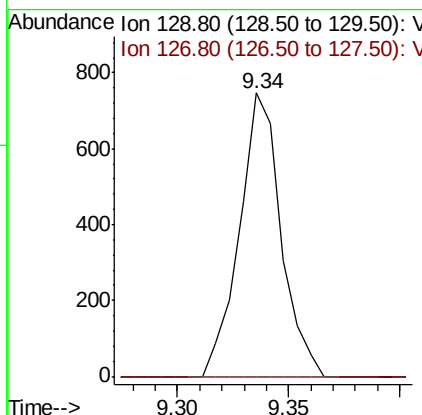
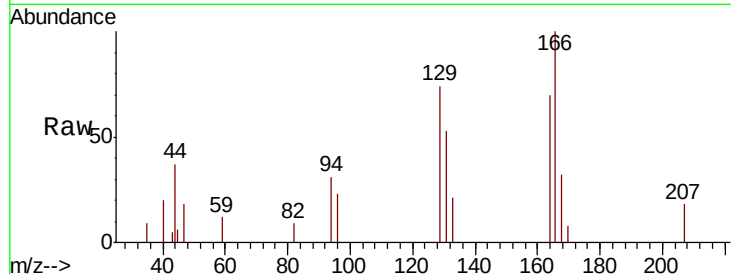




#60
Dibromochloromethane
Concen: 0.28 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.25 min
Lab File: VX004292.D
Acq: 29 Aug 2018 14:57

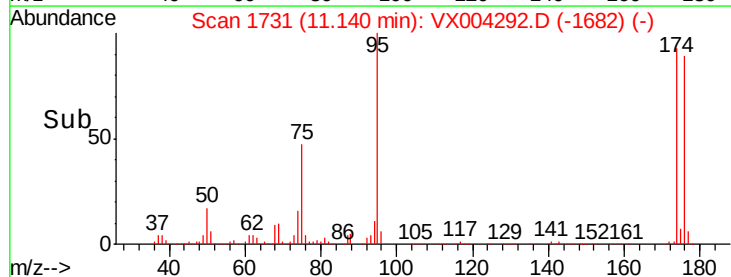
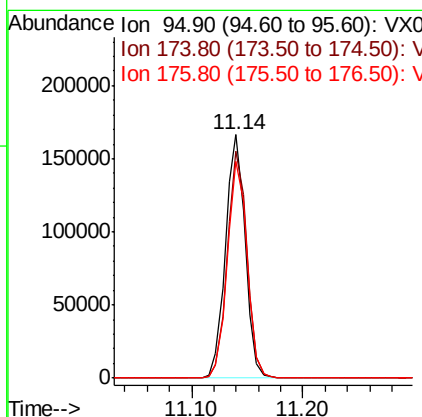
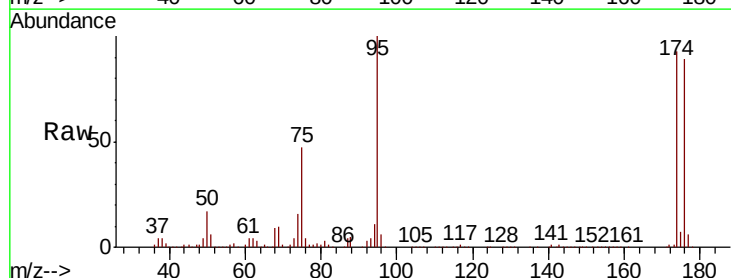
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW02S-M12W4-082318-D

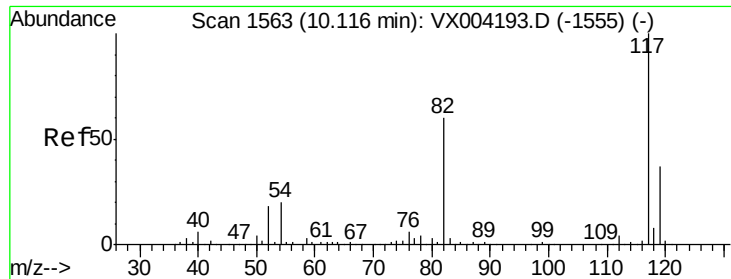
Tot Ion:129 Resp: 971
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 46.51 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX004292.D
Acq: 29 Aug 2018 14:57

Tgt Ion: 95 Resp: 203183
Ion Ratio Lower Upper
95 100
174 93.2 0.0 185.2
176 89.3 0.0 178.6

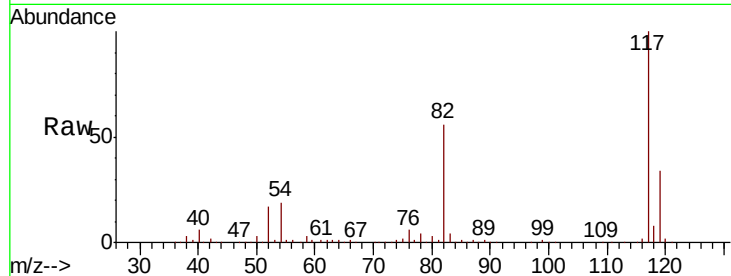




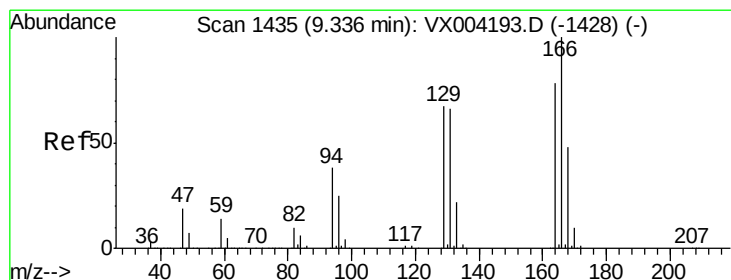
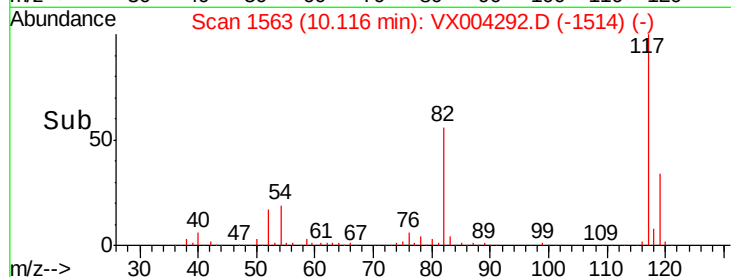
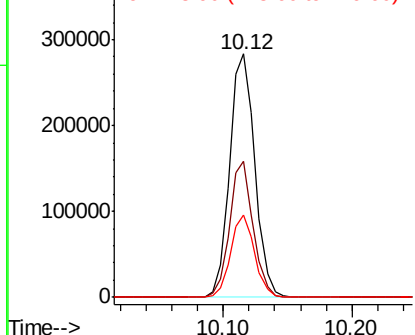
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004292.D
Acq: 29 Aug 2018 14:57

Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW02S-M12W4-082318-D

Tot Ion:117 Resp: 387904
Ion Ratio Lower Upper
117 100
82 55.8 47.8 71.6
119 33.7 29.3 43.9

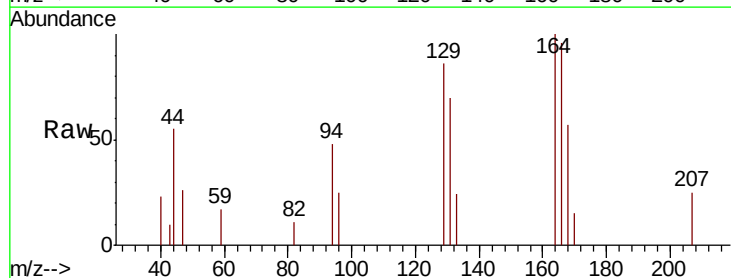


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

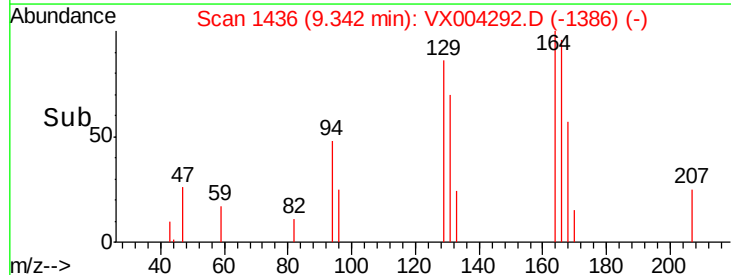
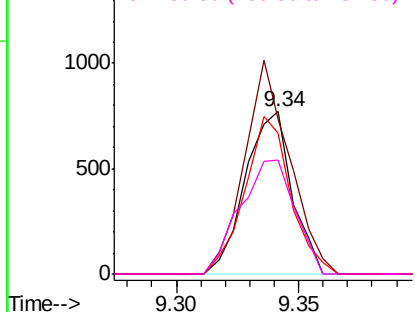


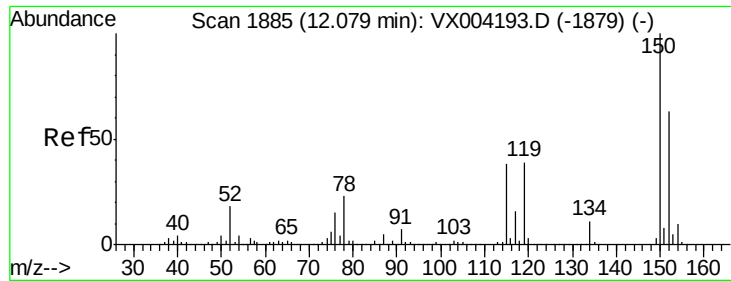
#64
Tetrachloroethene
Concen: 0.27 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX004292.D
Acq: 29 Aug 2018 14:57

Tgt Ion:164 Resp: 1021
Ion Ratio Lower Upper
164 100
166 95.6 102.8 154.2#
129 86.4 69.4 104.0
131 69.9 67.9 101.9



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004292.D

Acq: 29 Aug 2018 14:57

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW02S-M12W4-082318-D

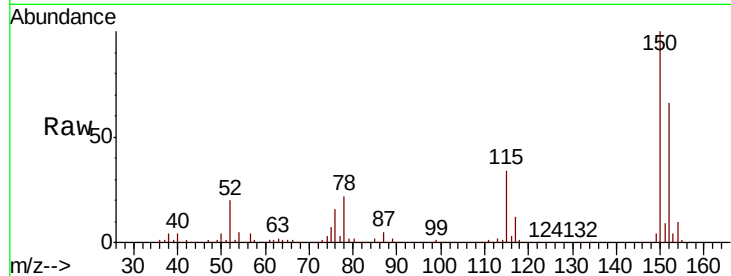
Tot Ion:152 Resp: 204965

Ion Ratio Lower Upper

152 100

115 52.6 39.0 117.0

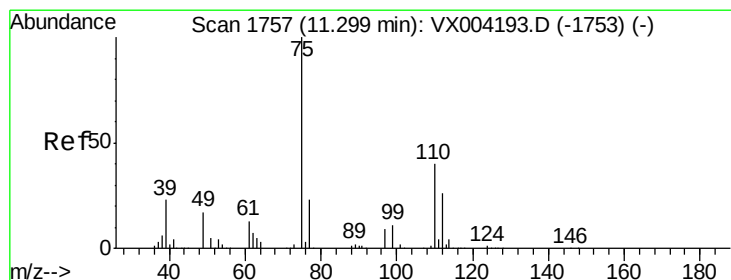
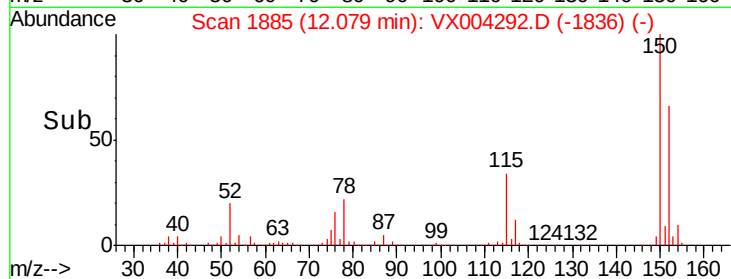
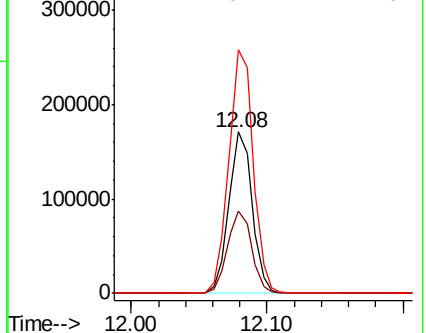
150 156.7 0.0 351.0



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: 22.80 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004292.D

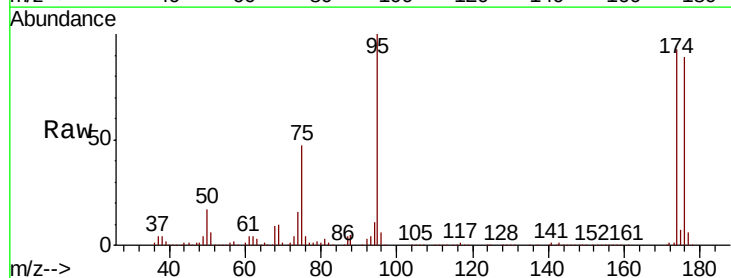
Acq: 29 Aug 2018 14:57

Tgt Ion: 75 Resp: 95045

Ion Ratio Lower Upper

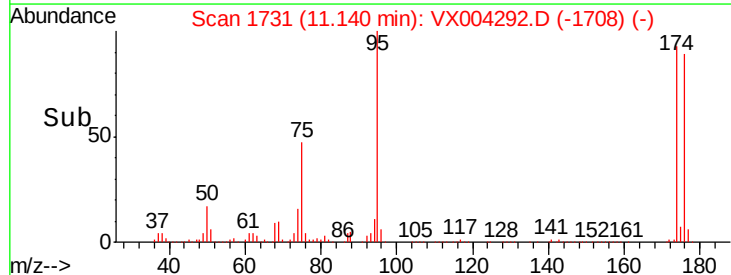
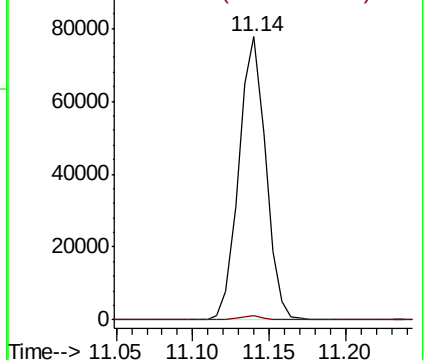
75 100

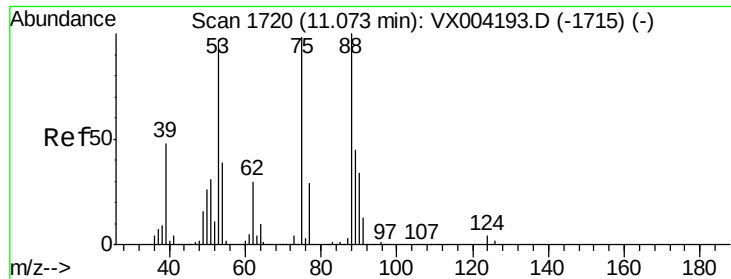
77 1.3 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 73.98 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.07 min

Lab File: VX004292.D

Acq: 29 Aug 2018 14:57

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW02S-M12W4-082318-D

Tot Ion: 75 Resp: 95045

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#

