

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX082918\
 Data File : VX004298.D
 Acq On : 29 Aug 2018 17:37
 Operator : JC/MD
 Sample : J4681-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW09D-M12W4-082318

Quant Time: Aug 30 02:10:07 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	249711	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	395706	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	378004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	199785	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	179462	55.14	ug/l	0.00
Spiked Amount			Recovery	=	110.28%	
35) Dibromofluoromethane	5.50	113	157705	53.57	ug/l	0.00
Spiked Amount			Recovery	=	107.14%	
50) Toluene-d8	8.72	98	563696	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
62) 4-Bromofluorobenzene	11.14	95	192942	46.54	ug/l	0.00
Spiked Amount			Recovery	=	93.08%	

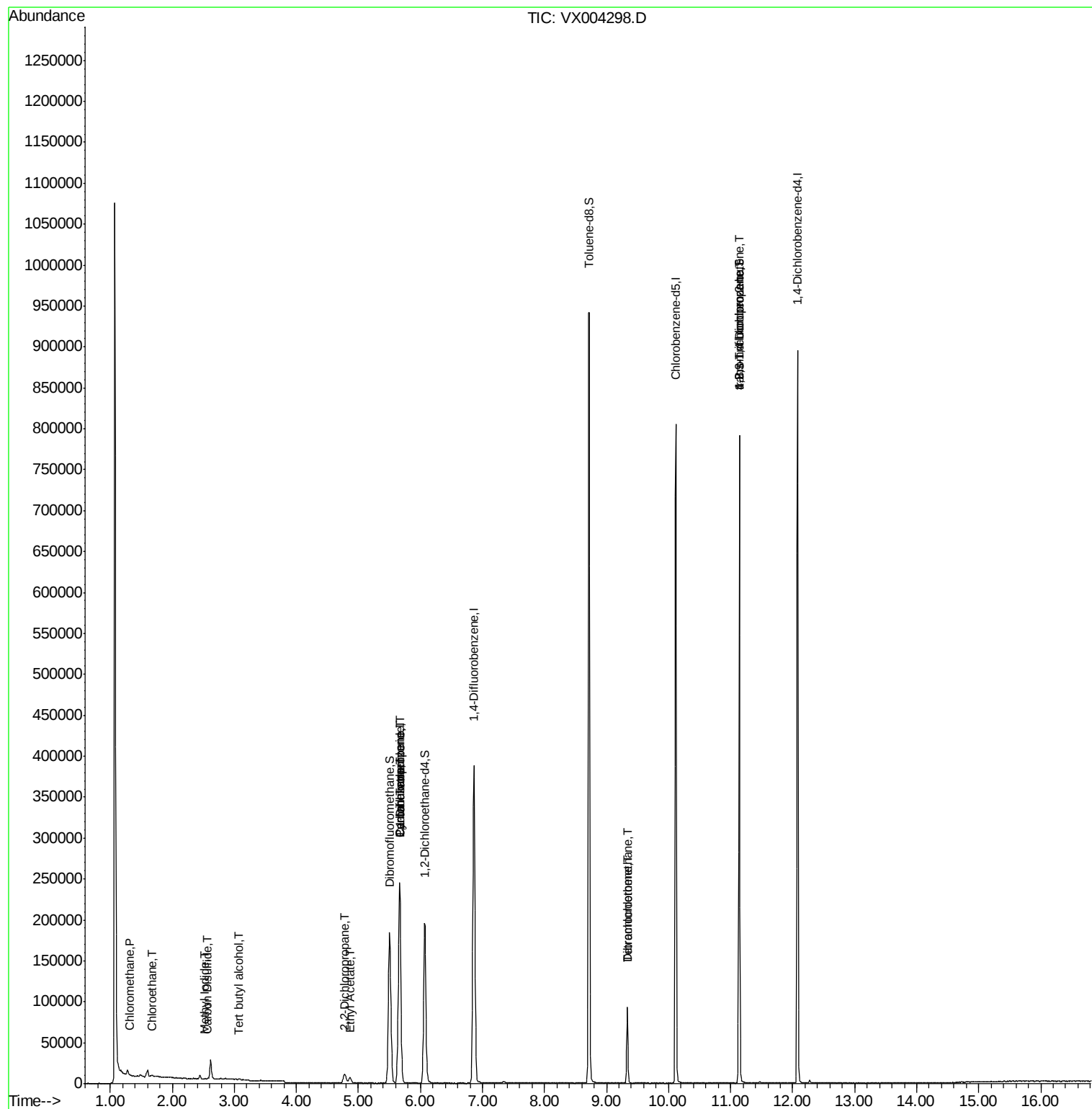
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	948	0.58	ug/l	94
5) Bromomethane	1.65	94	777	Below Cal	#	70
6) Chloroethane	1.67	64	449	1.14	ug/l	# 69
10) Methyl Iodide	2.52	142	265	4.34	ug/l	# 81
11) Tert butyl alcohol	3.07	59	1307	1.88	ug/l	96
16) Acetone	2.45	43	4172	Below Cal		92
17) Carbon Disulfide	2.56	76	1009	0.93	ug/l	# 92
25) 2-Butanone	4.70	43	393	Below Cal	#	47
26) 2,2-Dichloropropane	4.78	77	972	0.23	ug/l	# 52
31) Cyclohexane	5.66	56	4230	0.93	ug/l	# 1
36) 1,1-Dichloropropene	5.67	75	16738	3.76	ug/l	# 45
37) Ethyl Acetate	4.87	43	11870	2.71	ug/l	97
38) Carbon Tetrachloride	5.67	117	21883	5.23	ug/l	# 16
60) Dibromochloromethane	9.34	129	16637	5.08	ug/l	# 11
64) Tetrachloroethene	9.34	164	19046	5.10	ug/l	98
76) 1,2,3-Trichloropropane	11.14	75	91539	22.53	ug/l	# 37
81) trans-1,4-Dichloro-2-buten	11.14	75	91539	73.10	ug/l	# 10
94) Hexachlorobutadiene	13.79	225	49	Below Cal	#	20

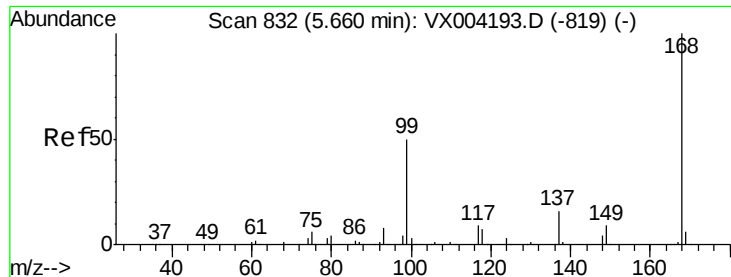
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 23 05:39:44 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.01 min

Lab File: VX004298.D

Acq: 29 Aug 2018 17:37

Instrument :

MSVOA_X

ClientSampleId :

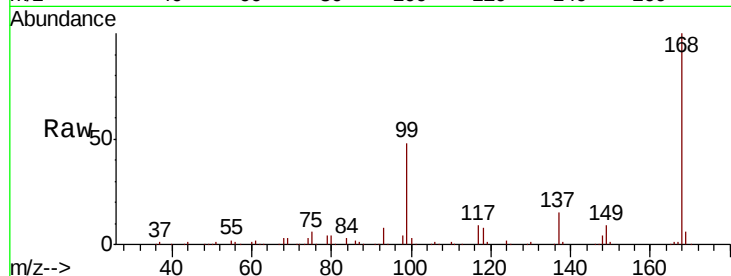
CPA-CPMW09D-M12W4-082318

Tot Ion:168 Resp: 249711

Ion Ratio Lower Upper

168 100

99 47.7 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

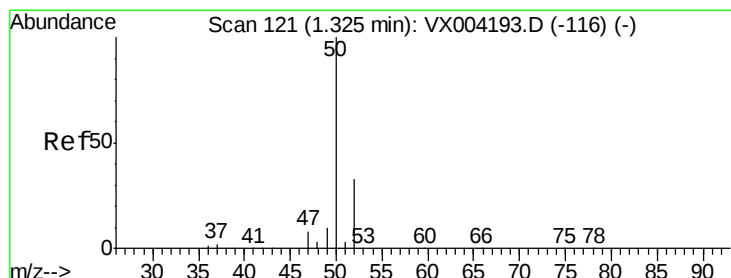
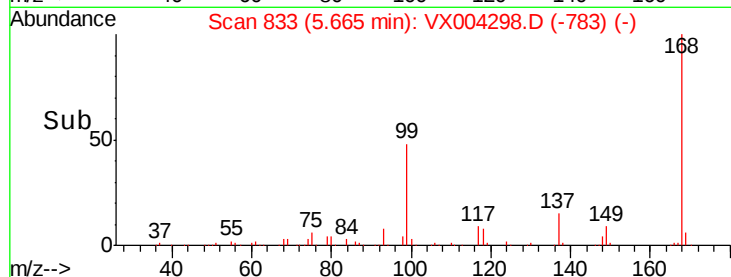
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.58 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004298.D

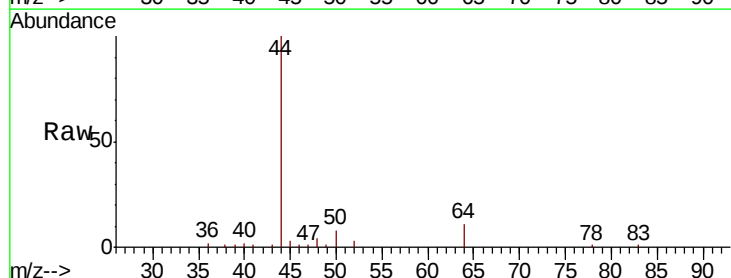
Acq: 29 Aug 2018 17:37

Tgt Ion: 50 Resp: 948

Ion Ratio Lower Upper

50 100

52 35.8 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

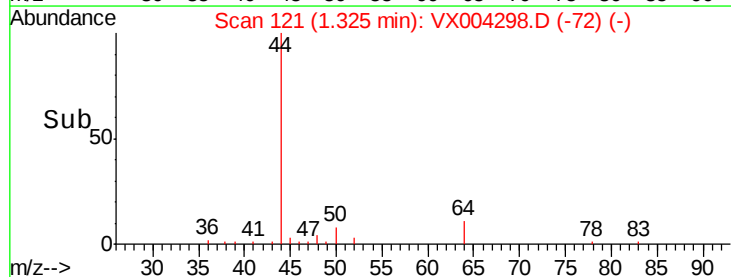
400

200

0

Time-->

1.30 1.35 1.40





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX004298.D

Acq: 29 Aug 2018 17:37

Instrument :

MSVOA_X

ClientSampleId :

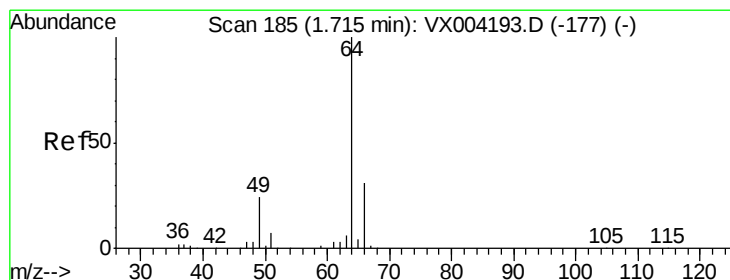
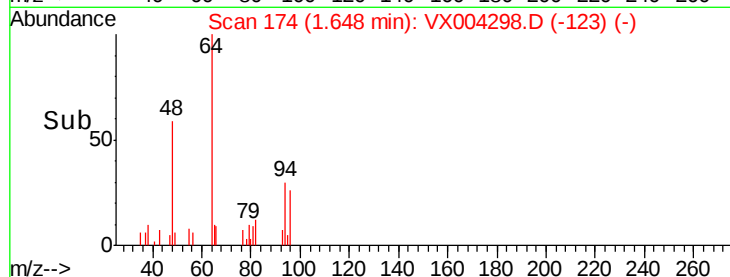
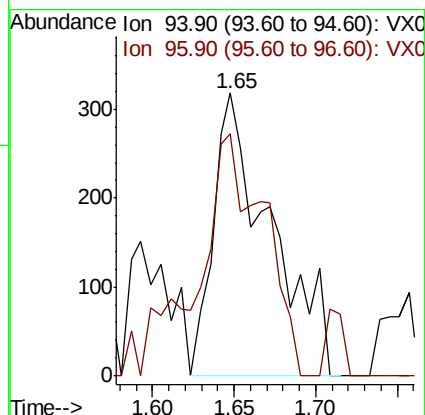
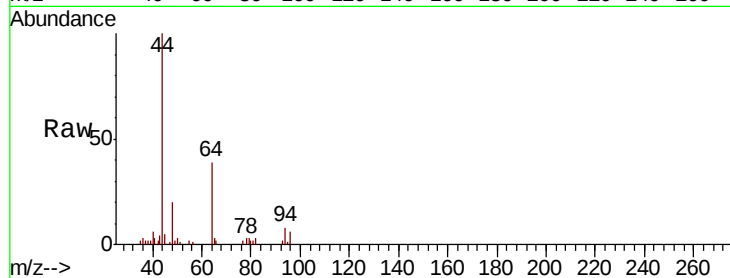
CPA-CPMW09D-M12W4-082318

Tot Ion: 94 Resp: 777

Ion Ratio Lower Upper

94 100

96 63.8 74.5 111.7#



#6

Chloroethane

Concen: 1.14 ug/l

RT: 1.67 min Scan# 177

Delta R.T. -0.05 min

Lab File: VX004298.D

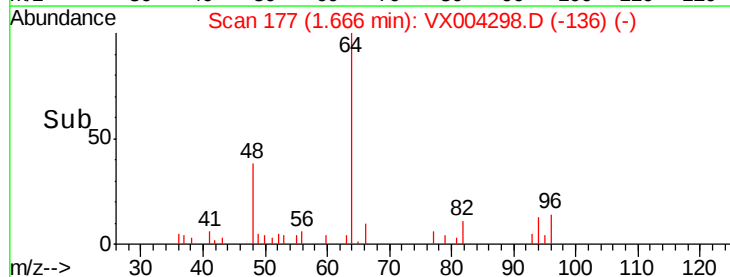
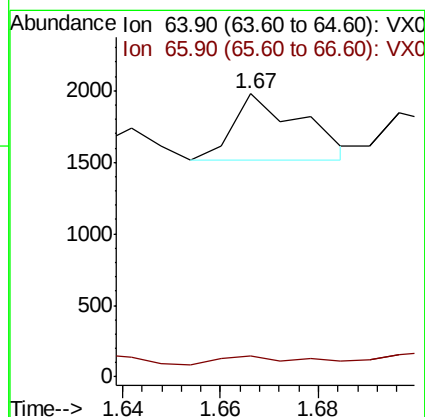
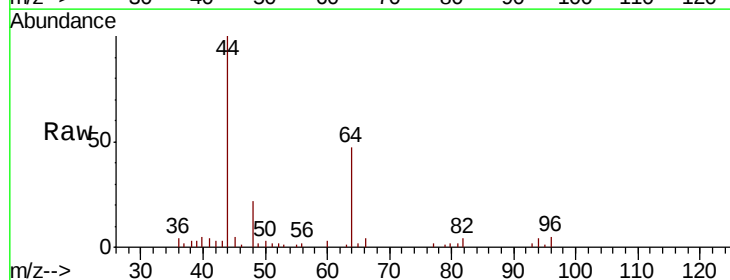
Acq: 29 Aug 2018 17:37

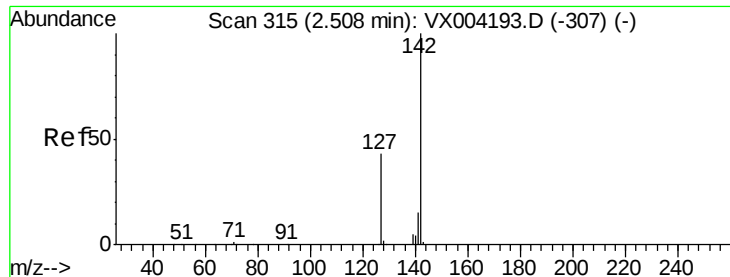
Tgt Ion: 64 Resp: 449

Ion Ratio Lower Upper

64 100

66 13.7 24.6 36.8#

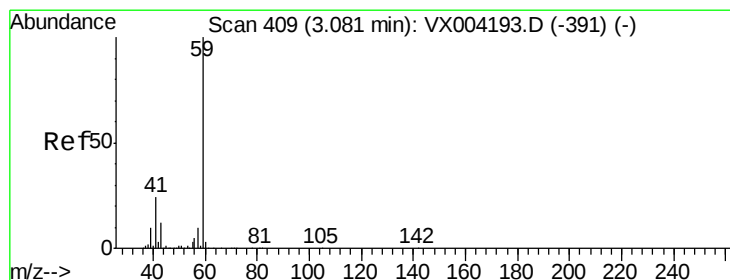
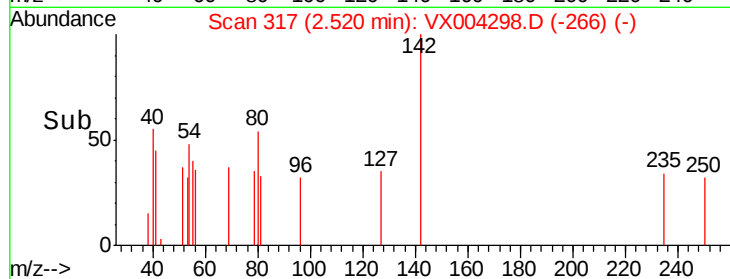
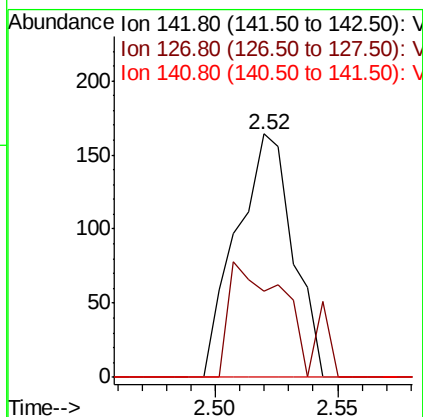
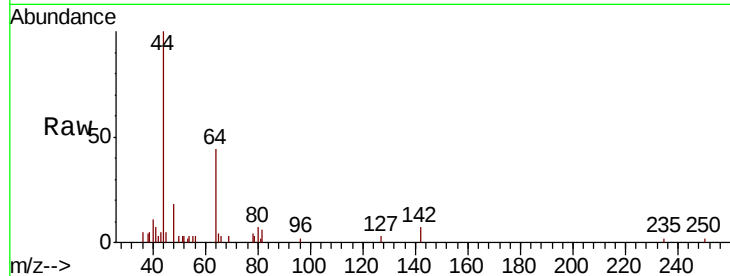




#10
Methvl Iodide
Concen: 4.34 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX004298.D
Acq: 29 Aug 2018 17:37

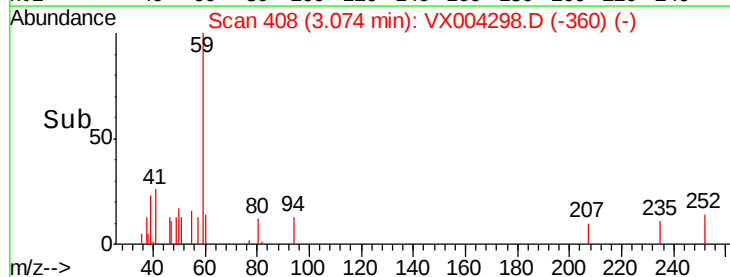
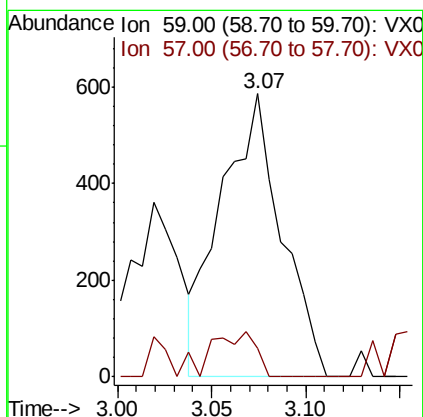
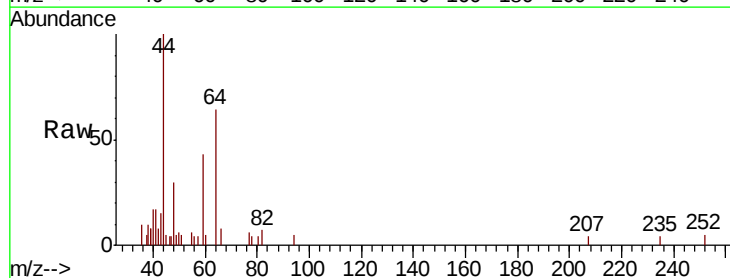
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW09D-M12W4-082318

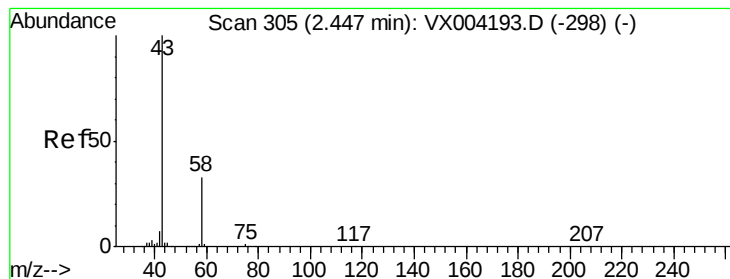
Tot Ion:142 Resp: 265
Ion Ratio Lower Upper
142 100
127 50.6 33.8 50.6
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 1.88 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX004298.D
Acq: 29 Aug 2018 17:37

Tgt Ion: 59 Resp: 1307
Ion Ratio Lower Upper
59 100
57 11.9 8.2 12.4





#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX004298.D

Acq: 29 Aug 2018 17:37

Instrument :

MSVOA_X

ClientSampleId :

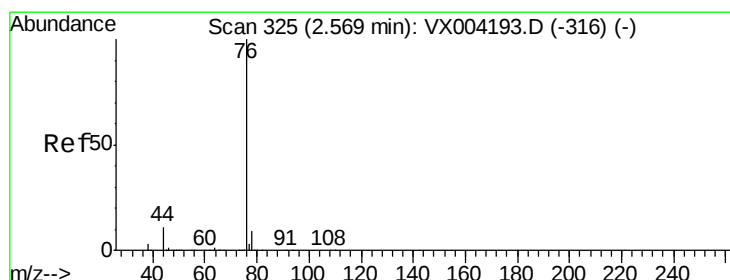
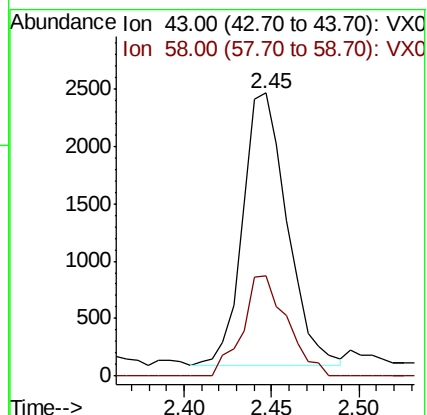
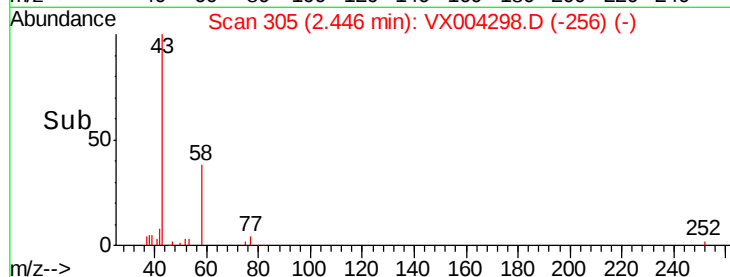
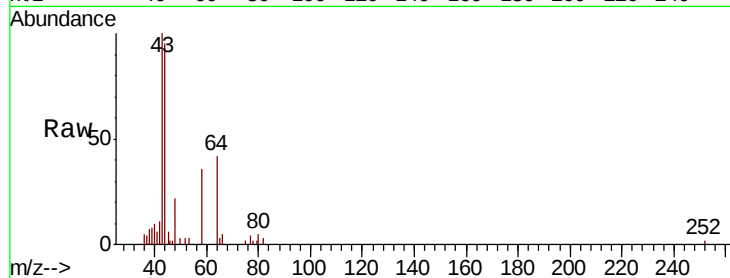
CPA-CPMW09D-M12W4-082318

Tot Ion: 43 Resp: 4172

Ion Ratio Lower Upper

43 100

58 37.1 26.2 39.4



#17

Carbon Disulfide

Concen: 0.93 ug/l

RT: 2.56 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX004298.D

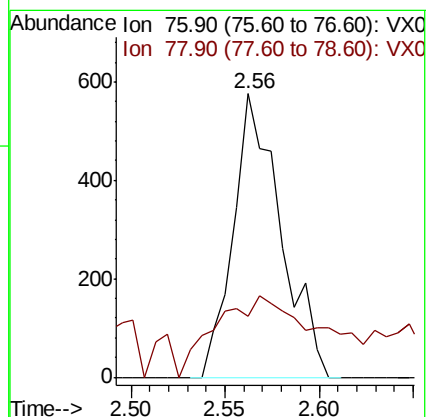
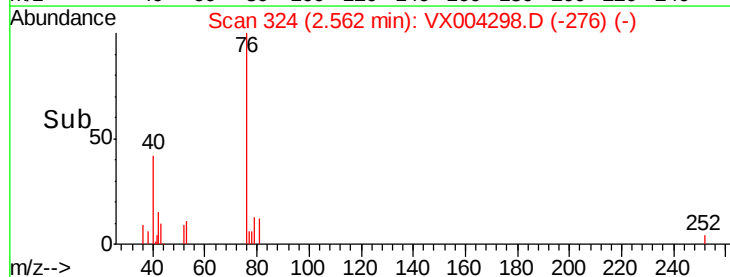
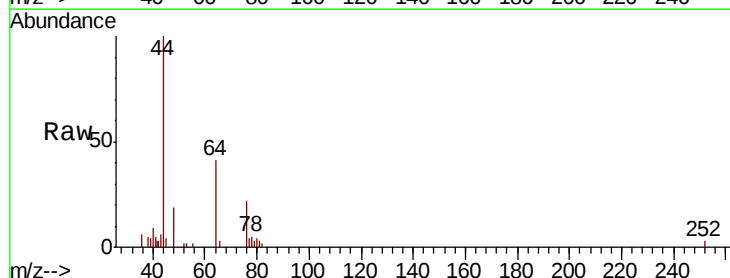
Acq: 29 Aug 2018 17:37

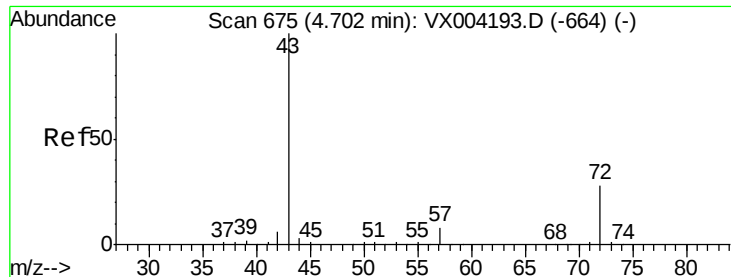
Tgt Ion: 76 Resp: 1009

Ion Ratio Lower Upper

76 100

78 11.8 7.0 10.6#





#25

2-Butanone

Concen: Below Cal

RT: 4.70 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX004298.D

Acq: 29 Aug 2018 17:37

Instrument :

MSVOA_X

ClientSampleId :

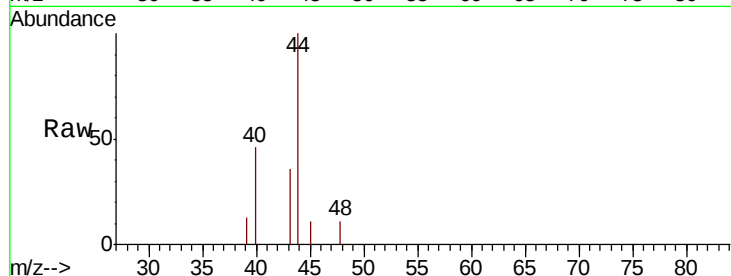
CPA-CPMW09D-M12W4-082318

Tot Ion: 43 Resp: 393

Ion Ratio Lower Upper

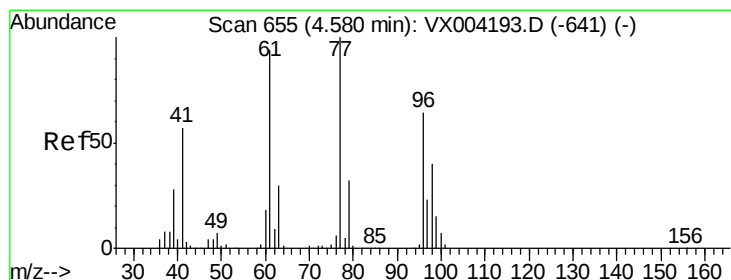
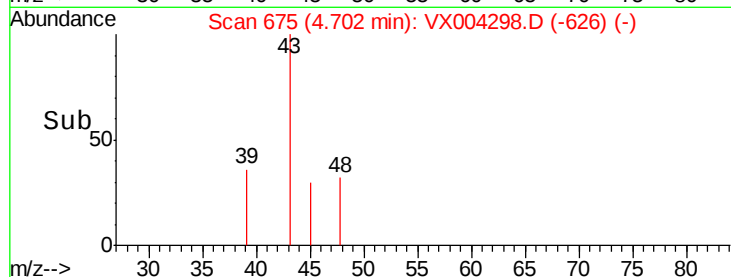
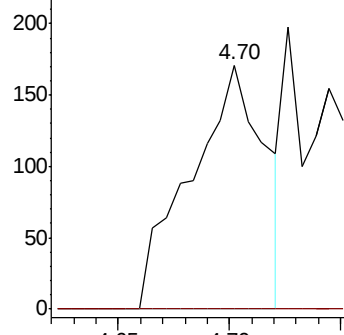
43 100

72 0.0 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 0.23 ug/l

RT: 4.78 min Scan# 688

Delta R.T. 0.20 min

Lab File: VX004298.D

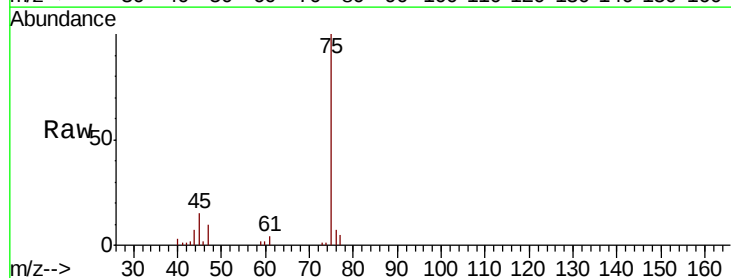
Acq: 29 Aug 2018 17:37

Tgt Ion: 77 Resp: 972

Ion Ratio Lower Upper

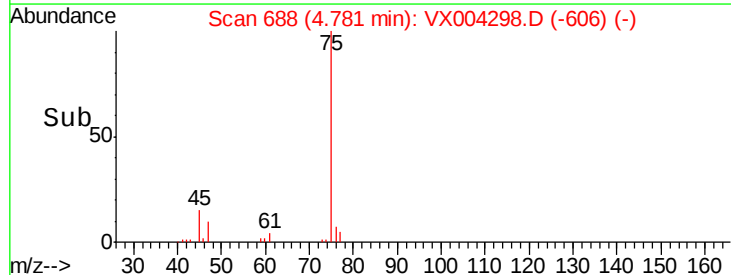
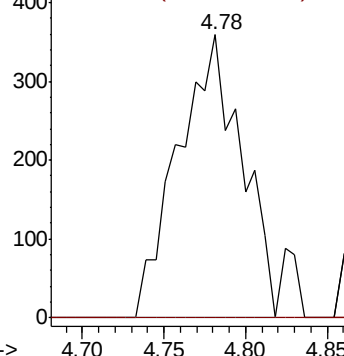
77 100

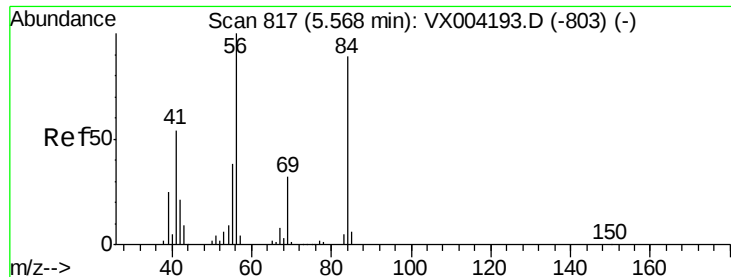
97 0.0 11.7 35.0#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

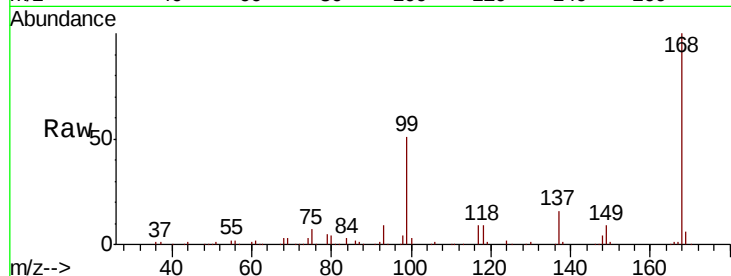




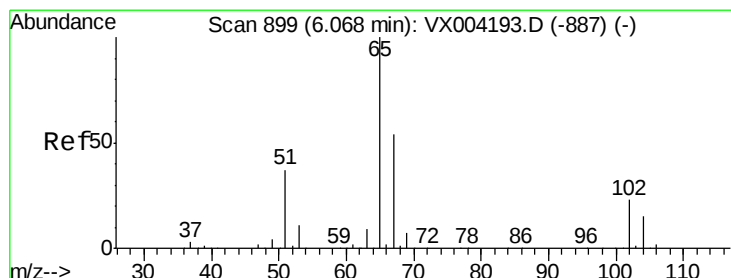
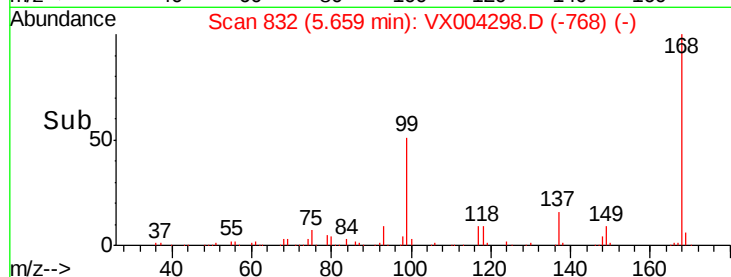
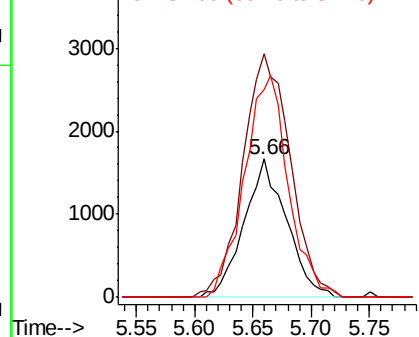
#31
Cyclohexane
Concen: 0.93 ug/l
RT: 5.66 min Scan# 832
Delta R.T. 0.09 min
Lab File: VX004298.D
Acq: 29 Aug 2018 17:37

Instrument :
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CPA-CPMW09D-M12W4-082318

Tot Ion: 56 Resp: 4230
Ion Ratio Lower Upper
56 100
69 175.7 25.4 38.2#
84 150.2 71.4 107.2#

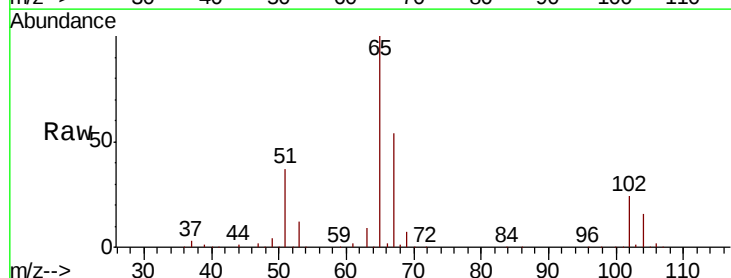


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

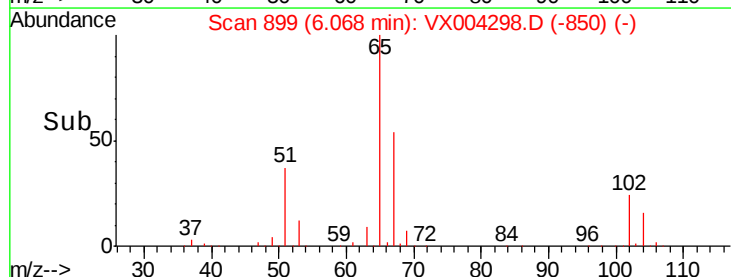
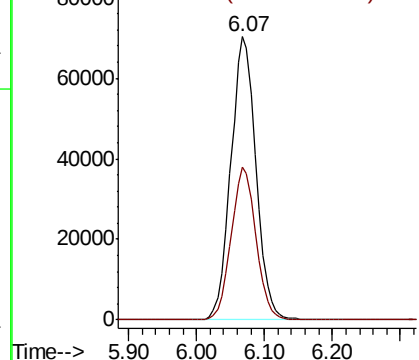


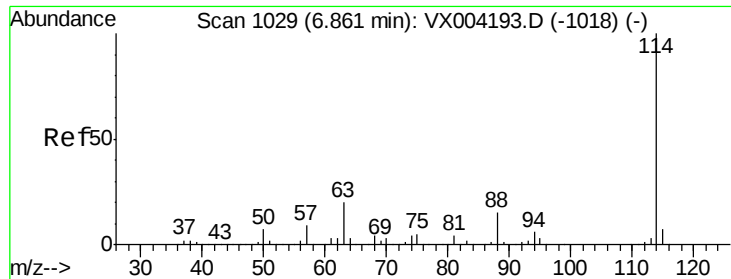
#33
1,2-Dichloroethane-d4
Concen: 55.14 ug/l
RT: 6.07 min Scan# 899
Delta R.T. -0.00 min
Lab File: VX004298.D
Acq: 29 Aug 2018 17:37

Tgt Ion: 65 Resp: 179462
Ion Ratio Lower Upper
65 100
67 53.3 0.0 106.8



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

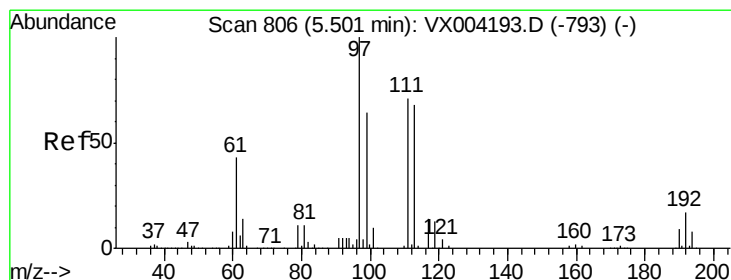
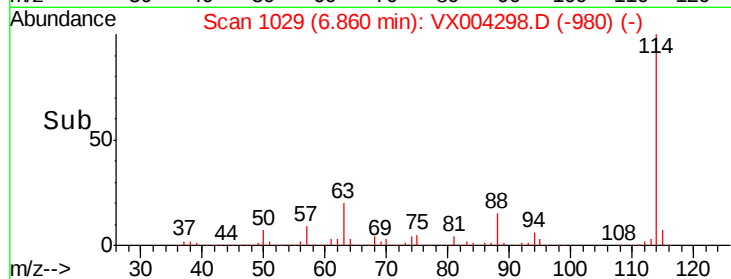
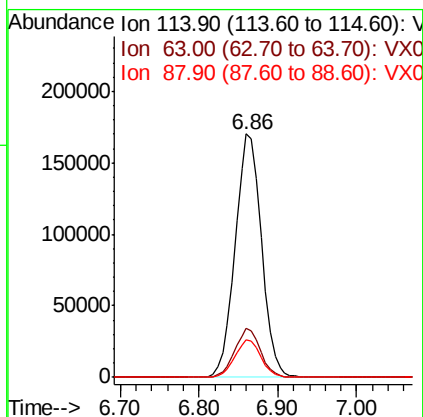
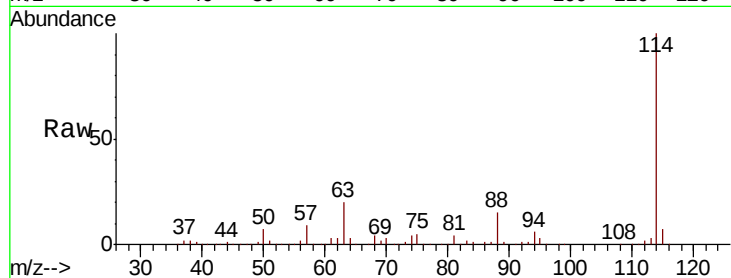




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004298.D
 Acq: 29 Aug 2018 17:37

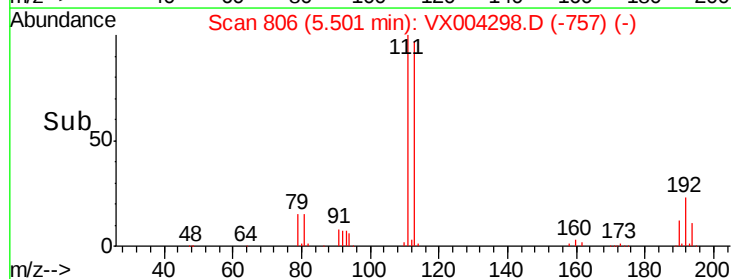
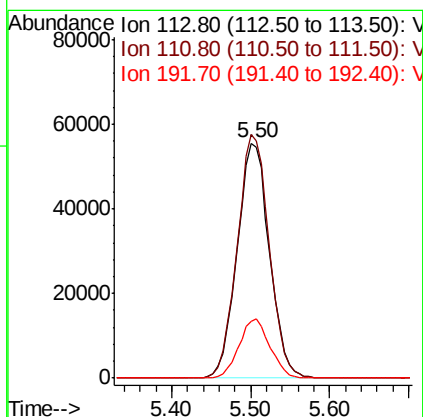
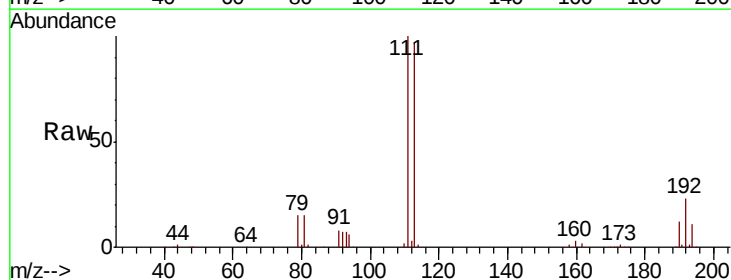
Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW09D-M12W4-082318

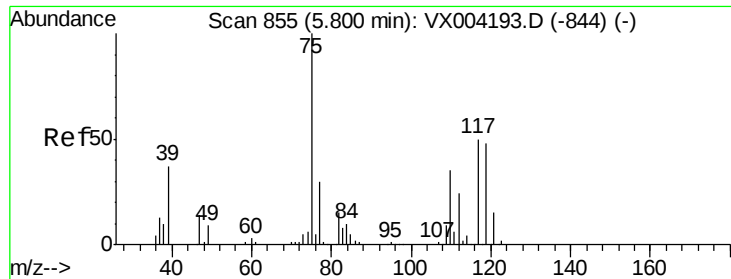
Tot Ion:114 Resp: 395706
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.0
 88 15.3 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 53.57 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004298.D
 Acq: 29 Aug 2018 17:37

Tgt Ion:113 Resp: 157705
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.4 123.6
 192 24.2 19.4 29.2

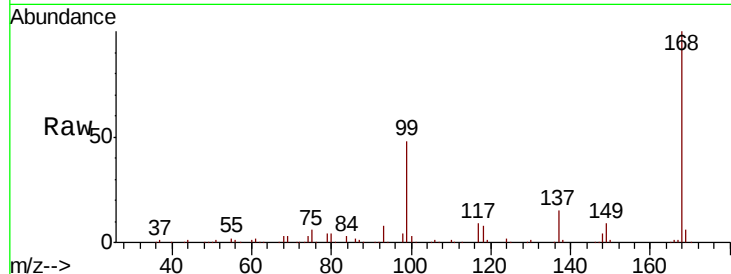




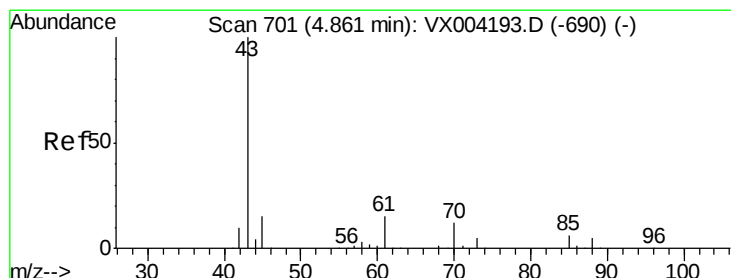
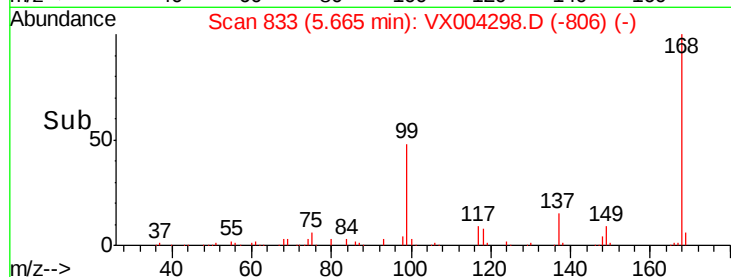
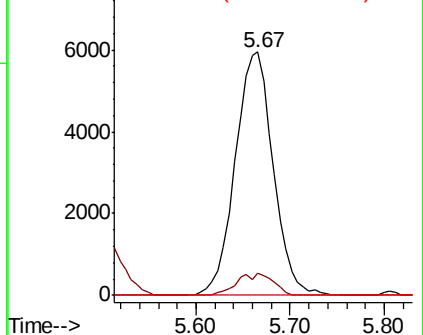
#36
 1,1-Dichloropropene
 Concen: 3.76 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX004298.D
 Acq: 29 Aug 2018 17:37

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW09D-M12W4-082318

Tot Ion	75	Resp	16738
Ion Ratio	100	Lower	Upper
75	100		
110	4.2	18.0	54.0#
77	0.0	24.6	36.8#

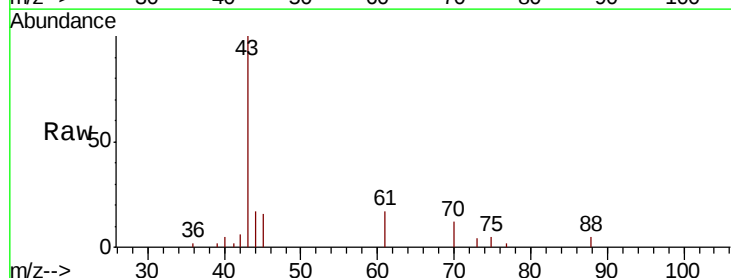


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

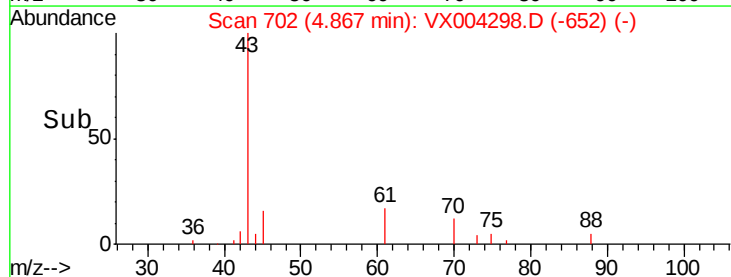
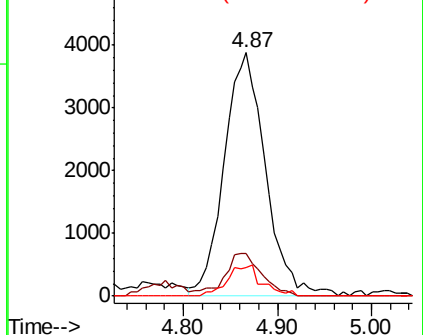


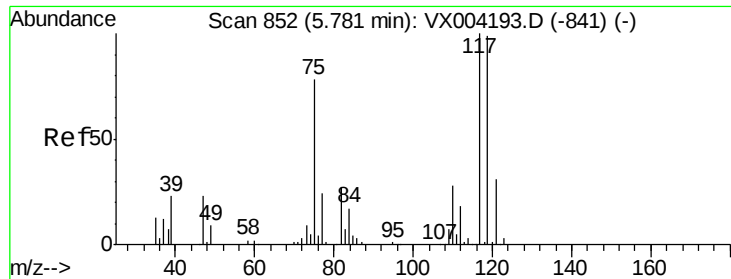
#37
 Ethyl Acetate
 Concen: 2.71 ug/l
 RT: 4.87 min Scan# 702
 Delta R.T. 0.01 min
 Lab File: VX004298.D
 Acq: 29 Aug 2018 17:37

Tgt Ion	43	Resp	11870
Ion Ratio	100	Lower	Upper
43	100		
61	15.7	11.5	17.3
70	10.7	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: 5.23 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX004298.D

Acq: 29 Aug 2018 17:37

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW09D-M12W4-082318

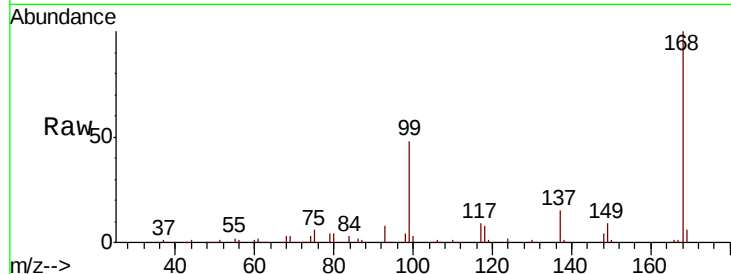
Tot Ion:117 Resp: 21883

Ion Ratio Lower Upper

117 100

119 6.6 78.8 118.2#

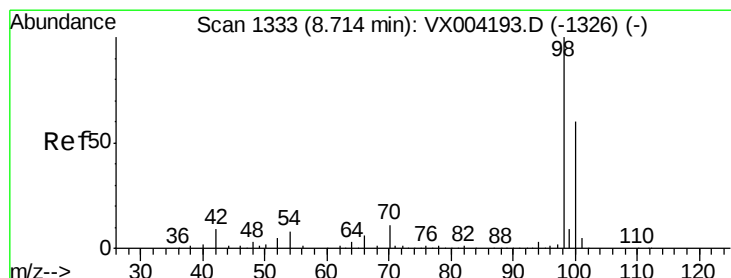
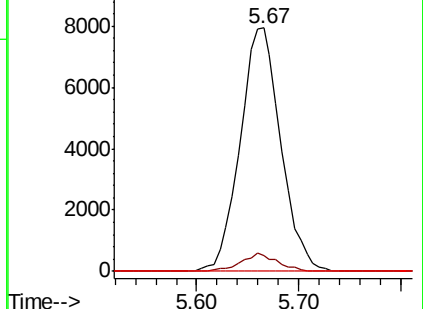
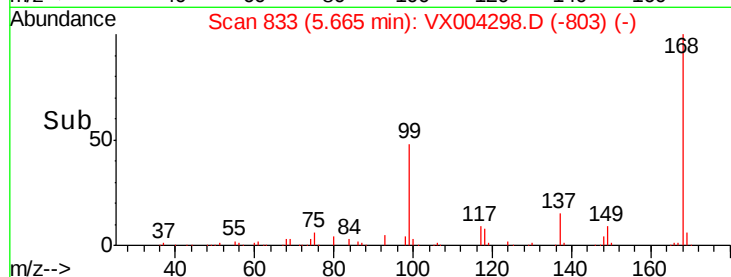
121 0.0 24.9 37.3#



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: 50.73 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.01 min

Lab File: VX004298.D

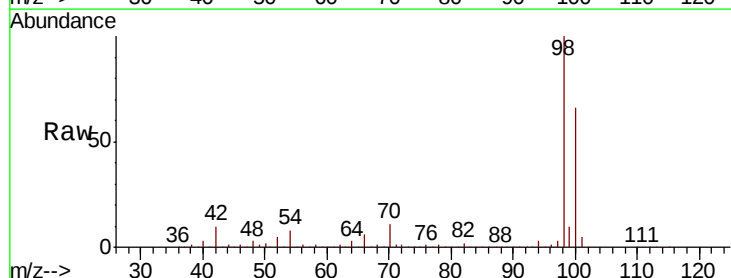
Acq: 29 Aug 2018 17:37

Tgt Ion: 98 Resp: 563696

Ion Ratio Lower Upper

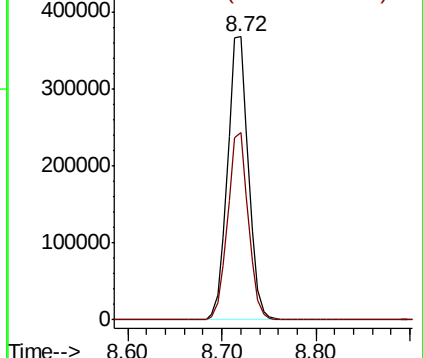
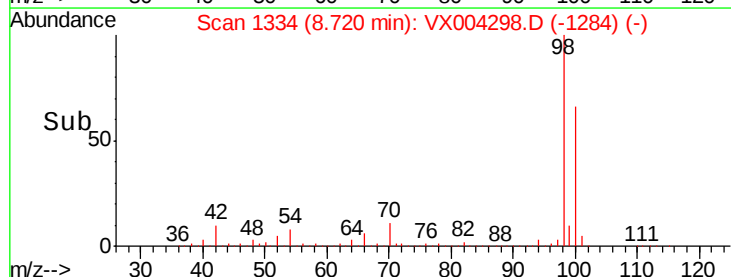
98 100

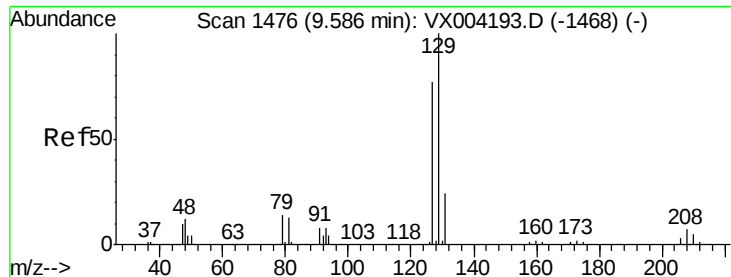
100 65.4 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 5.08 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.25 min

Lab File: VX004298.D

Acq: 29 Aug 2018 17:37

Instrument :

MSVOA_X

ClientSampleId :

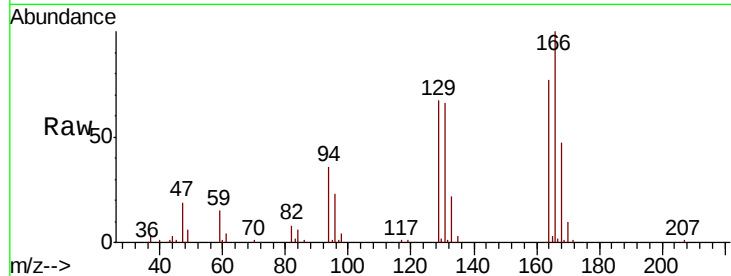
CPA-CPMW09D-M12W4-082318

Tot Ion:129 Resp: 16637

Ion Ratio Lower Upper

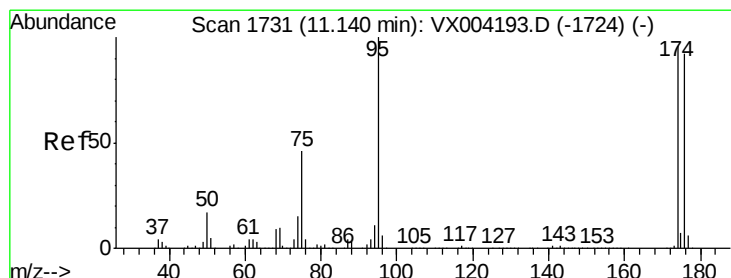
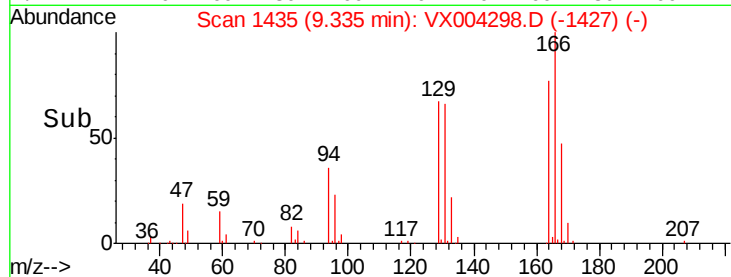
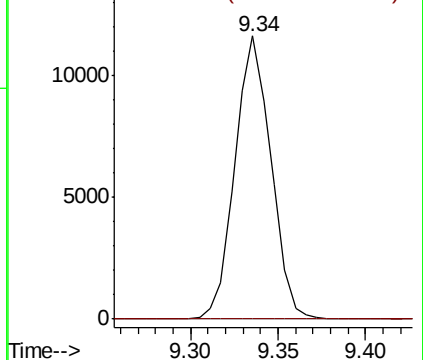
129 100

127 0.0 38.5 115.5#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 46.54 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004298.D

Acq: 29 Aug 2018 17:37

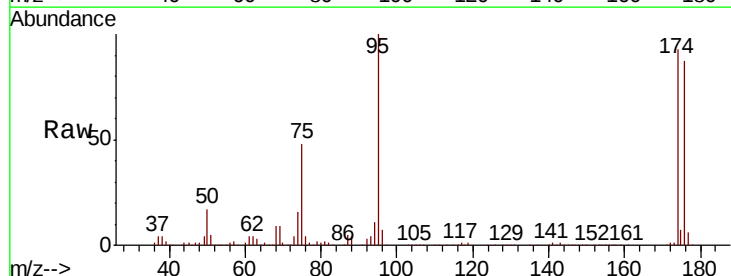
Tgt Ion: 95 Resp: 192942

Ion Ratio Lower Upper

95 100

174 93.1 0.0 185.2

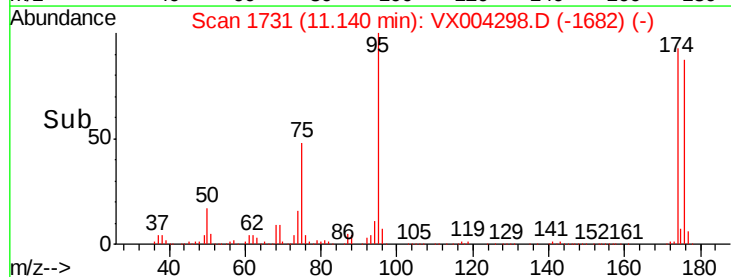
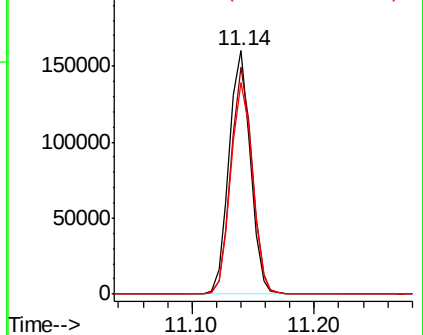
176 88.5 0.0 178.6

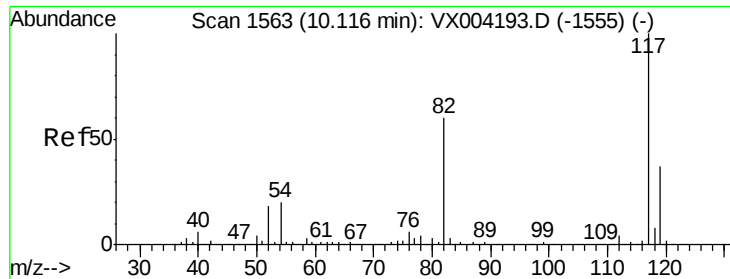


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

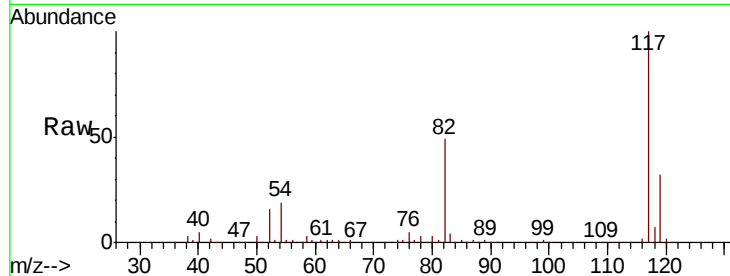




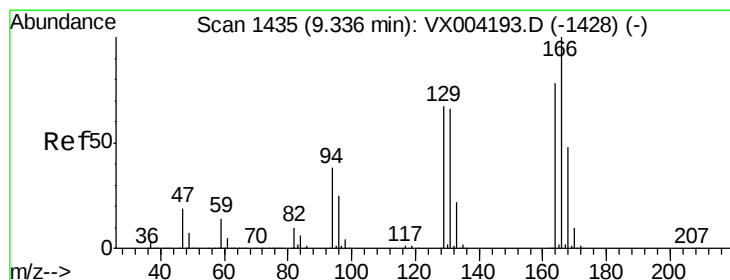
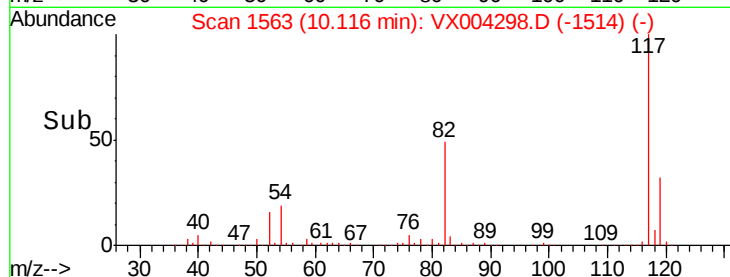
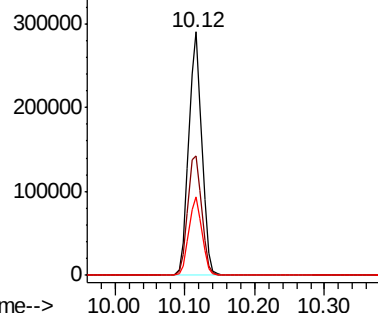
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004298.D
Acq: 29 Aug 2018 17:37

Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW09D-M12W4-082318

Tot Ion:117 Resp: 378004
Ion Ratio Lower Upper
117 100
82 49.2 47.8 71.6
119 32.1 29.3 43.9



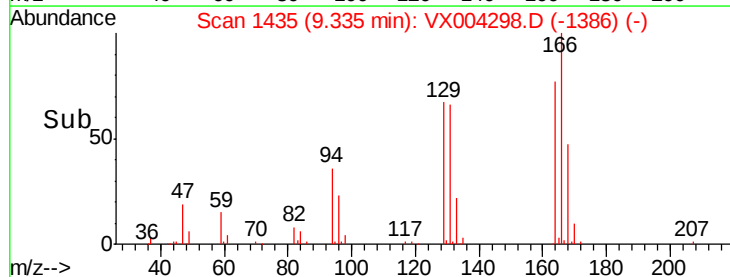
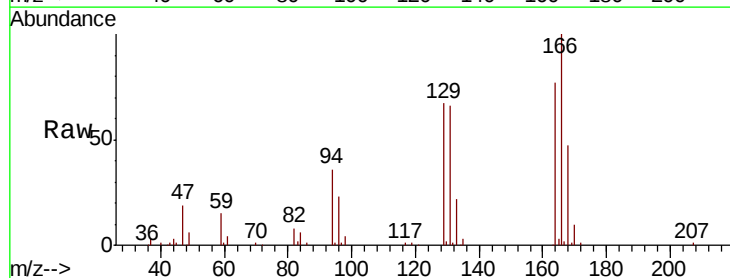
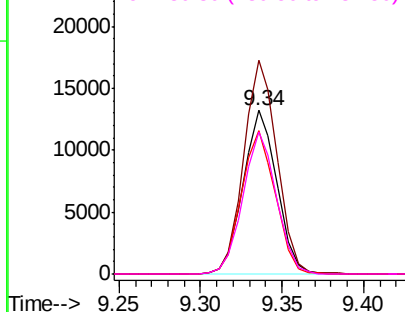
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

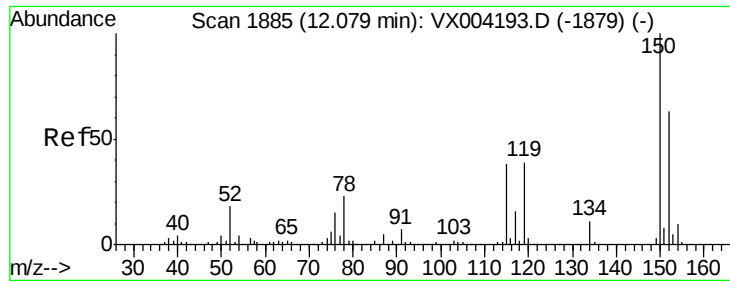


#64
Tetrachloroethene
Concen: 5.10 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004298.D
Acq: 29 Aug 2018 17:37

Tgt Ion:164 Resp: 19046
Ion Ratio Lower Upper
164 100
166 130.7 102.8 154.2
129 88.0 69.4 104.0
131 86.6 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: VX004298.D

Acq: 29 Aug 2018 17:37

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW09D-M12W4-082318

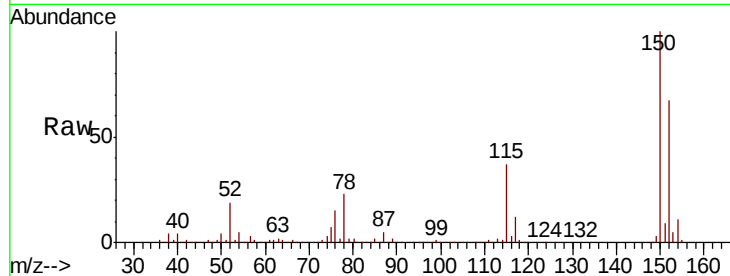
Tot Ion:152 Resp: 199785

Ion Ratio Lower Upper

152 100

115 54.1 39.0 117.0

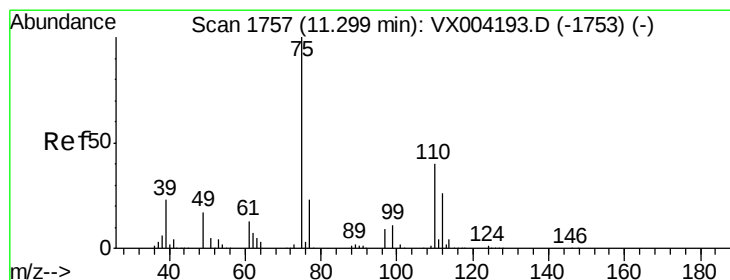
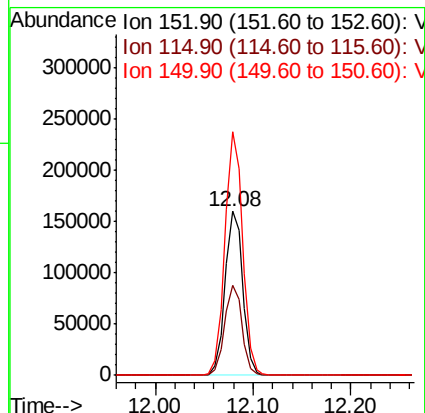
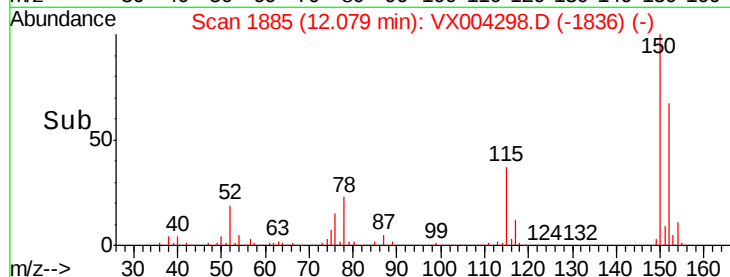
150 148.9 0.0 351.0



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: 22.53 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004298.D

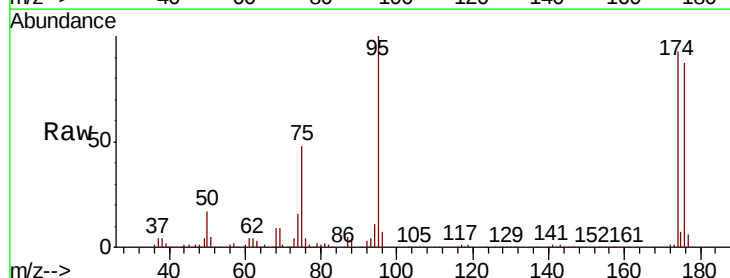
Acq: 29 Aug 2018 17:37

Tgt Ion: 75 Resp: 91539

Ion Ratio Lower Upper

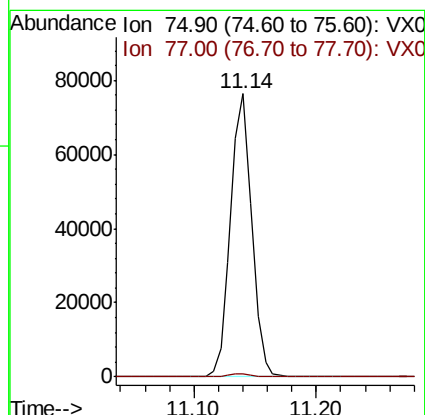
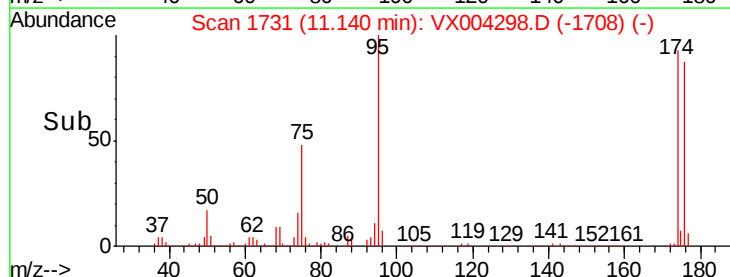
75 100

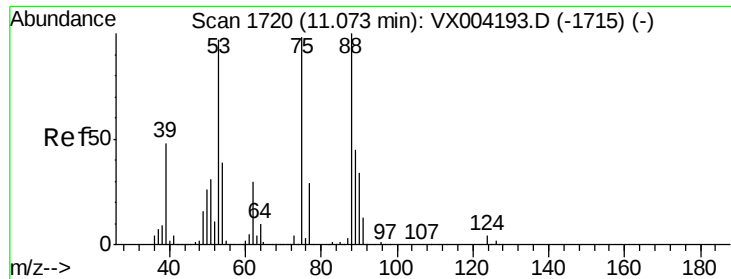
77 1.3 20.2 60.6#



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: 73.10 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.07 min

Lab File: VX004298.D

Acq: 29 Aug 2018 17:37

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW09D-M12W4-082318

Tot Ion: 75 Resp: 91539

Ion Ratio Lower Upper

75 100

53 0.3 80.1 120.1#

89 0.0 37.2 55.8#

