

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX082918\
 Data File : VX004287.D
 Acq On : 29 Aug 2018 12:43
 Operator : JC/MD
 Sample : J4681-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW10D-M12W4-082318

Quant Time: Aug 30 02:07:33 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	272780	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	425032	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	391980	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	209953	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	186942	52.58	ug/l	0.00
Spiked Amount			Recovery	=	105.16%	
35) Dibromofluoromethane	5.50	113	166426	52.63	ug/l	0.00
Spiked Amount			Recovery	=	105.26%	
50) Toluene-d8	8.71	98	600425	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	
62) 4-Bromofluorobenzene	11.14	95	212815	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	

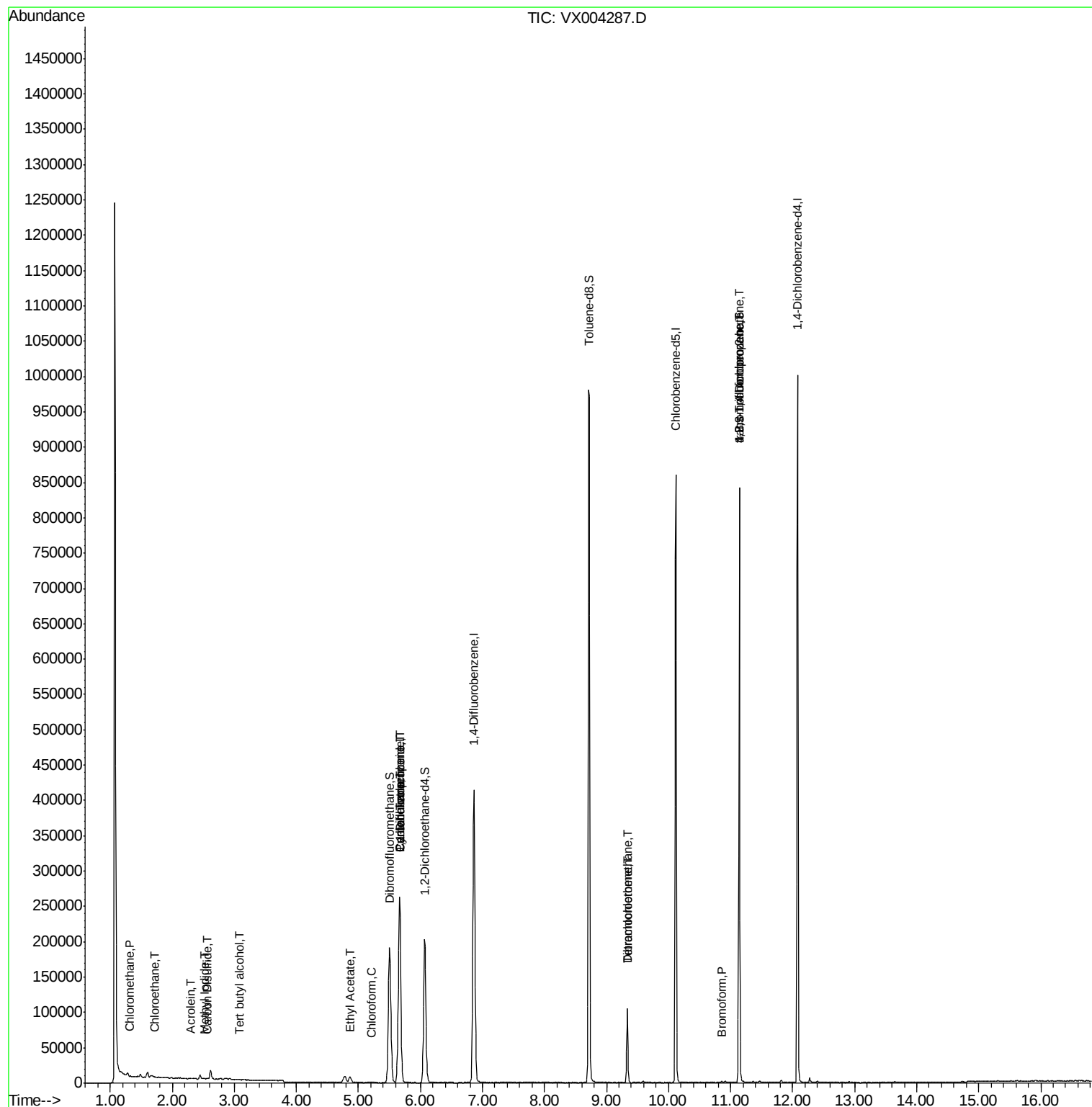
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1276	0.65	ug/l	92
5) Bromomethane	1.65	94	1400	Below Cal		91
6) Chloroethane	1.72	64	334	1.09	ug/l #	44
10) Methyl Iodide	2.51	142	916	4.51	ug/l #	96
11) Tert butyl alcohol	3.07	59	918	1.21	ug/l #	61
13) Acrolein	2.29	56	153	0.84	ug/l #	70
16) Acetone	2.45	43	5563	Below Cal		90
17) Carbon Disulfide	2.57	76	753	0.89	ug/l #	76
25) 2-Butanone	4.71	43	1239	Below Cal		97
30) Chloroform	5.21	83	1301	0.22	ug/l	88
31) Cyclohexane	5.66	56	4643	0.93	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	17619	3.69	ug/l #	49
37) Ethyl Acetate	4.86	43	13926	2.96	ug/l	96
38) Carbon Tetrachloride	5.67	117	23741	5.28	ug/l #	16
60) Dibromochloromethane	9.34	129	18883	5.37	ug/l #	11
64) Tetrachloroethene	9.34	164	21506	5.55	ug/l	98
71) Bromoform	10.86	173	696	0.25	ug/l #	29
76) 1,2,3-Trichloropropane	11.14	75	101387	23.74	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	101387	77.04	ug/l #	10
94) Hexachlorobutadiene	13.78	225	89	Below Cal	#	49

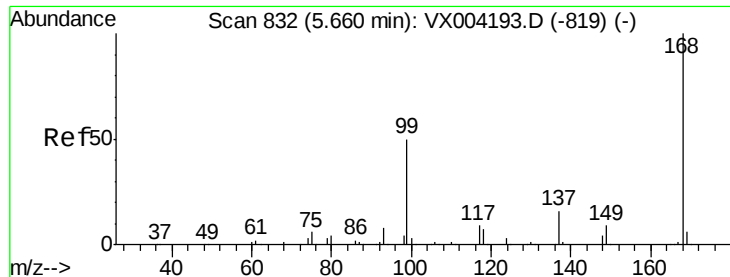
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX004287.D

Acq: 29 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampleId :

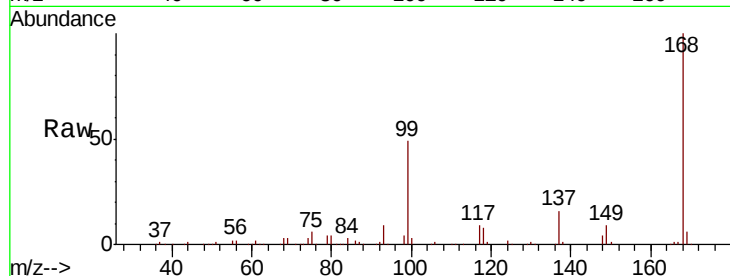
CPA-CPMW10D-M12W4-082318

Tot Ion:168 Resp: 272780

Ion Ratio Lower Upper

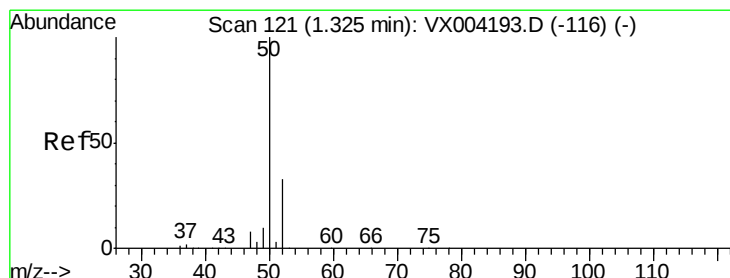
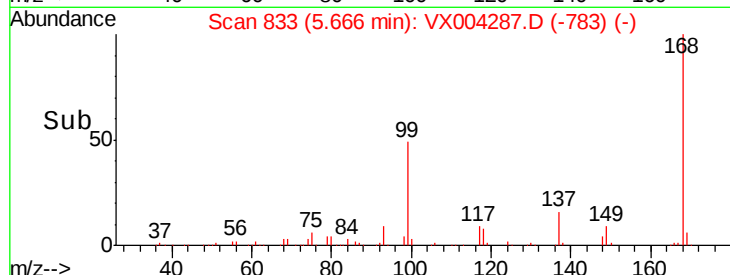
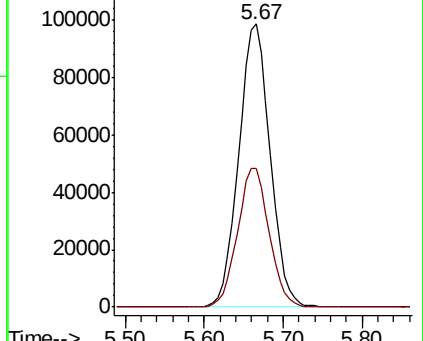
168 100

99 48.9 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: 0.65 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004287.D

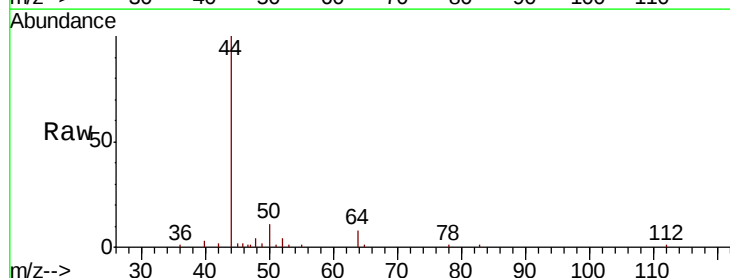
Acq: 29 Aug 2018 12:43

Tgt Ion: 50 Resp: 1276

Ion Ratio Lower Upper

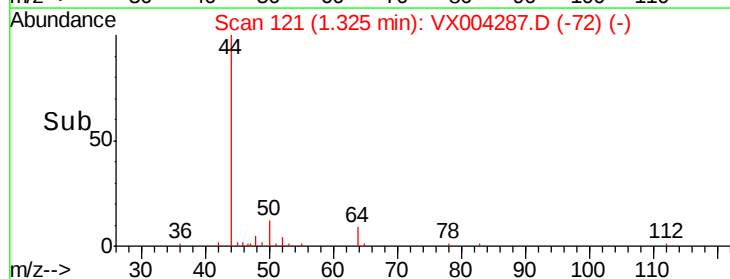
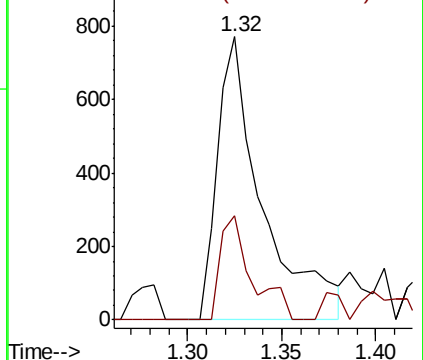
50 100

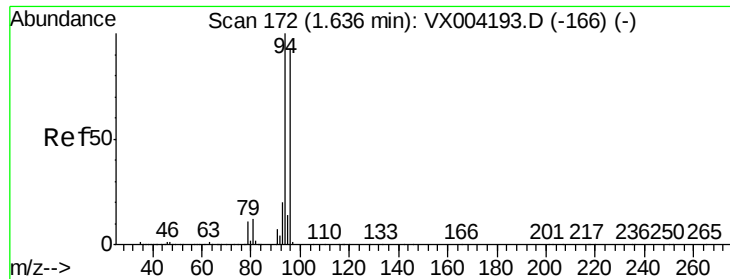
52 37.0 26.2 39.2



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: VX004287.D

Acq: 29 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampleId :

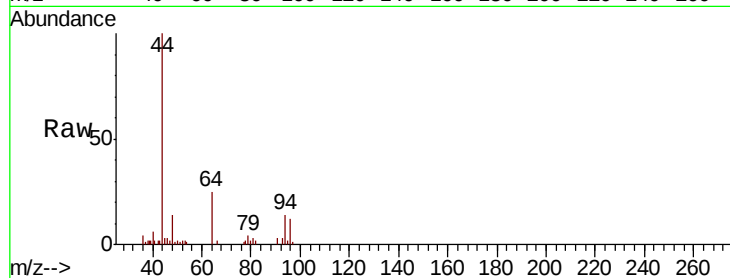
CPA-CPMW10D-M12W4-082318

Tot Ion: 94 Resp: 1400

Ion Ratio Lower Upper

94 100

96 84.9 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

600

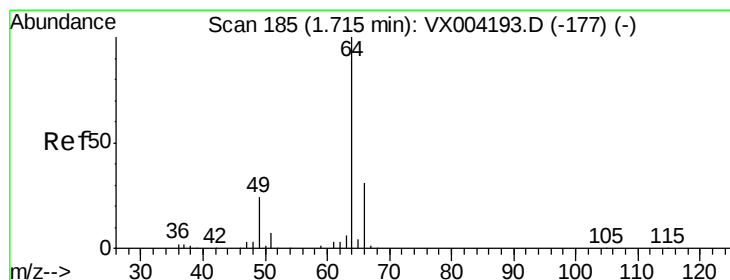
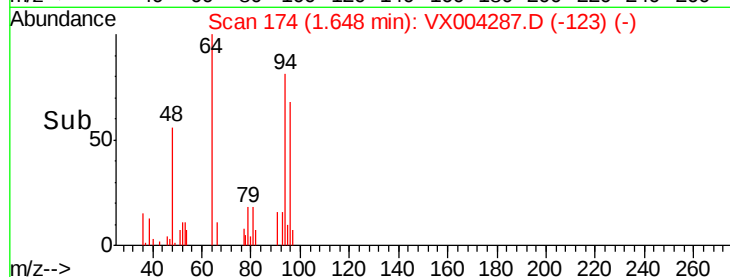
400

200

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 1.09 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX004287.D

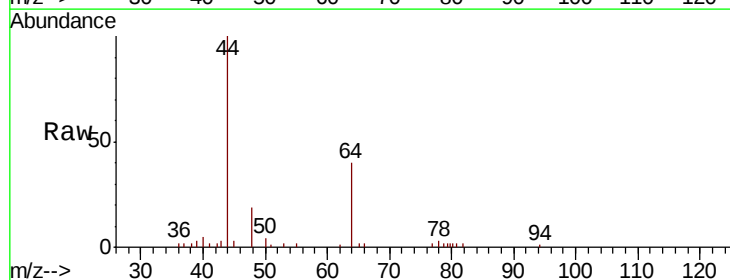
Acq: 29 Aug 2018 12:43

Tgt Ion: 64 Resp: 334

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

2000

1500

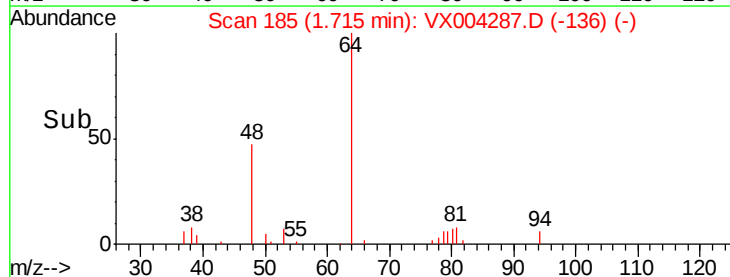
1000

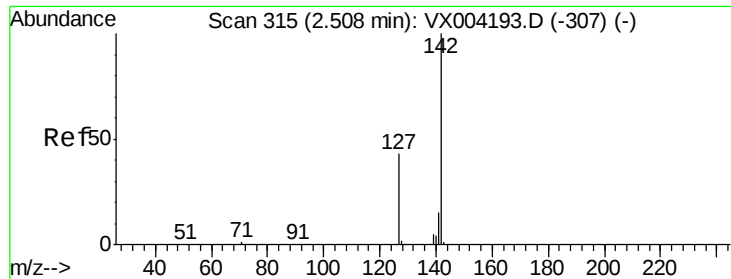
500

0

1.68 1.70 1.72

Time-->

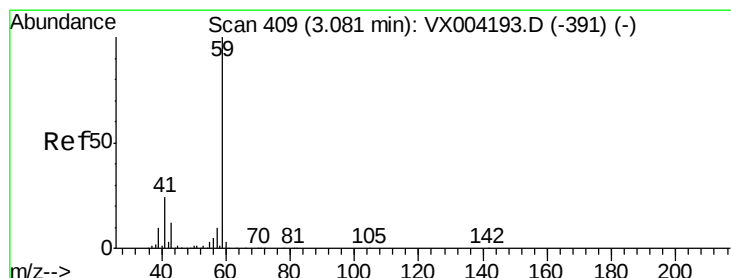
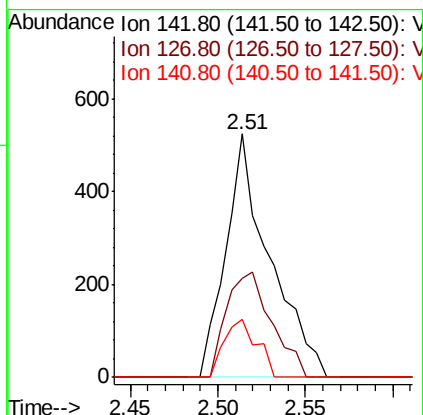
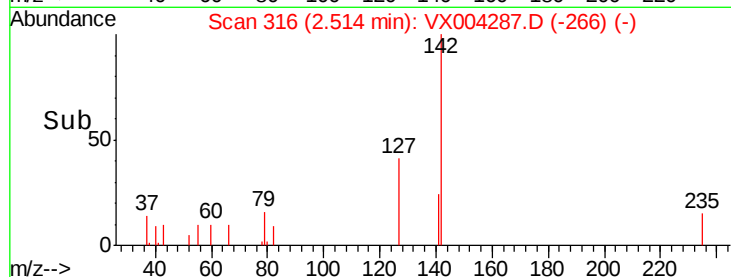
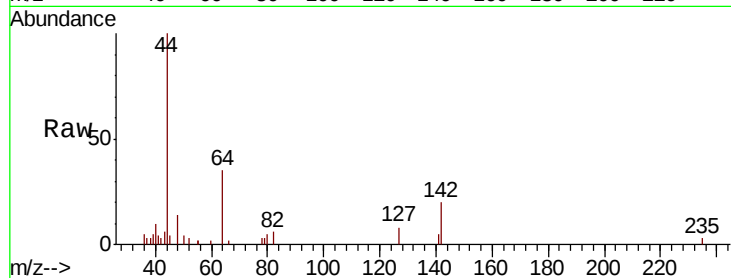




#10
Methyl Iodide
Concen: 4.51 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX004287.D
Acq: 29 Aug 2018 12:43

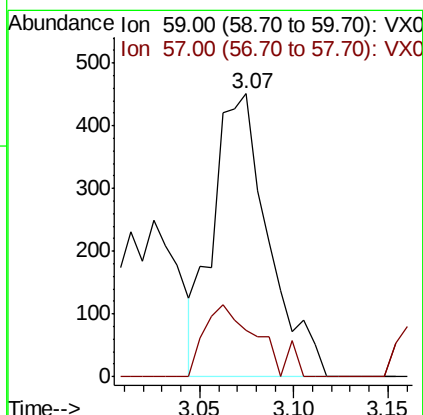
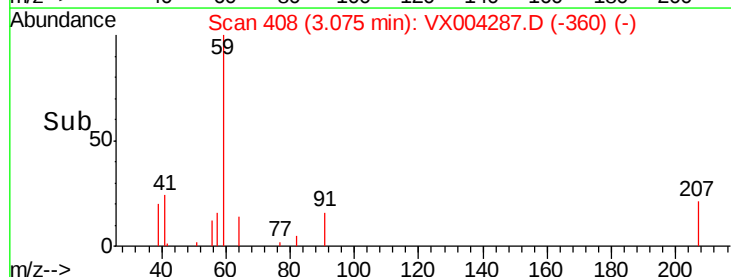
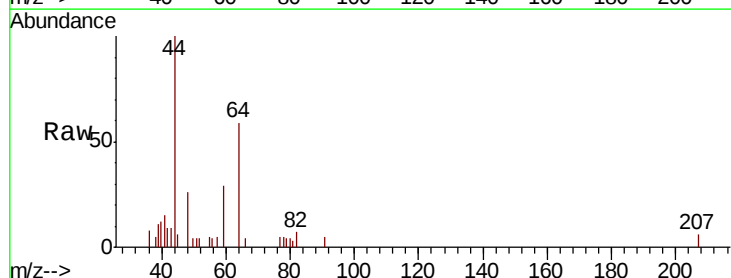
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MSVOA_X
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CPA-CPMW10D-M12W4-082318

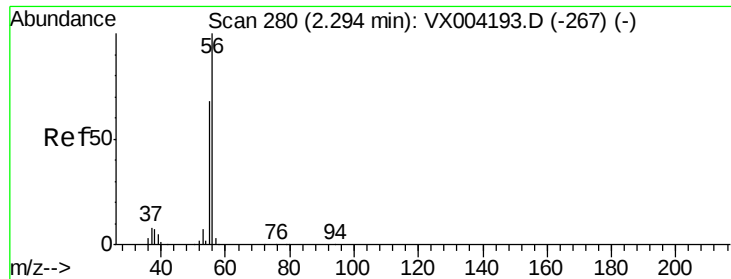
Tot Ion:142 Resp: 916
Ion Ratio Lower Upper
142 100
127 44.2 33.8 50.6
141 17.6 11.4 17.0#



#11
Tert butyl alcohol
Concen: 1.21 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX004287.D
Acq: 29 Aug 2018 12:43

Tgt Ion: 59 Resp: 918
Ion Ratio Lower Upper
59 100
57 24.7 8.2 12.4#





#13

Acrolein

Concen: 0.84 ua/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX004287.D

Acq: 29 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampleId :

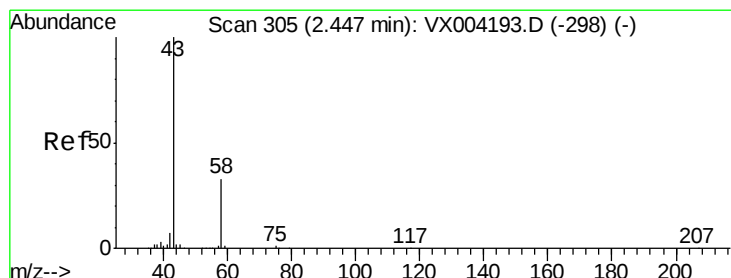
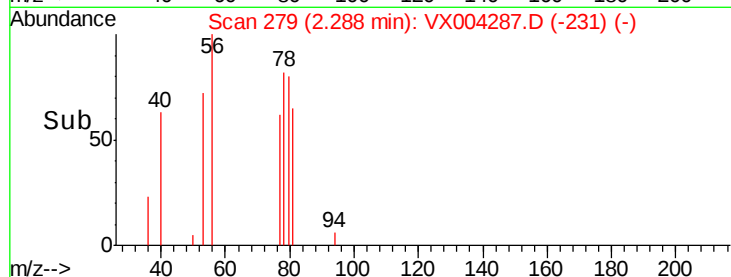
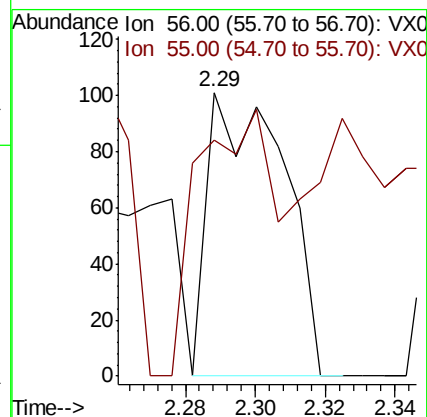
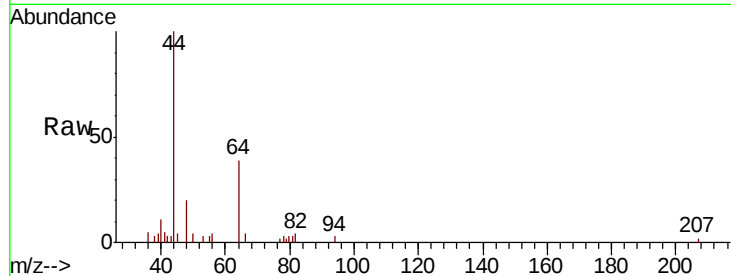
CPA-CPMW10D-M12W4-082318

Tot Ion: 56 Resp: 153

Ion Ratio Lower Upper

56 100

55 92.8 54.7 82.1#



#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX004287.D

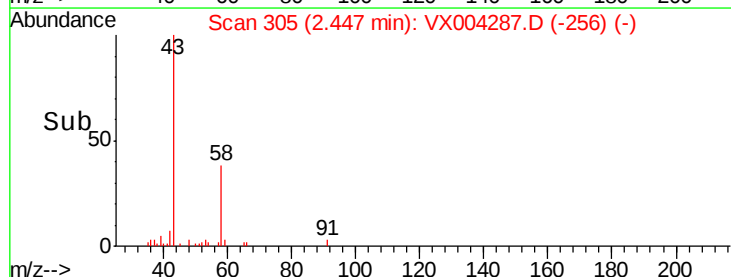
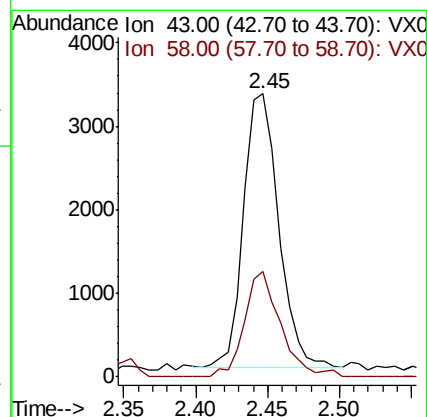
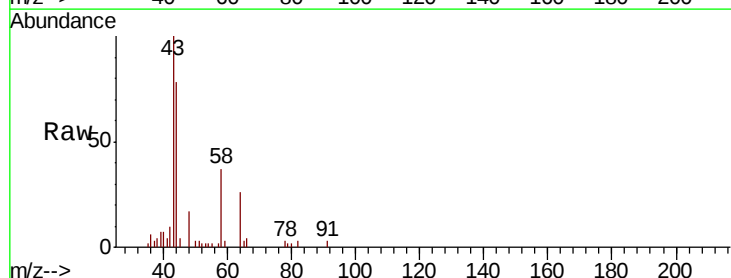
Acq: 29 Aug 2018 12:43

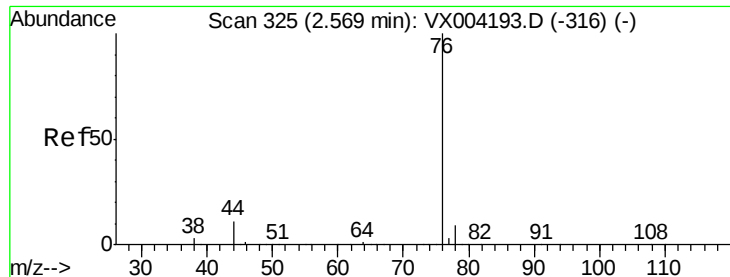
Tgt Ion: 43 Resp: 5563

Ion Ratio Lower Upper

43 100

58 38.4 26.2 39.4

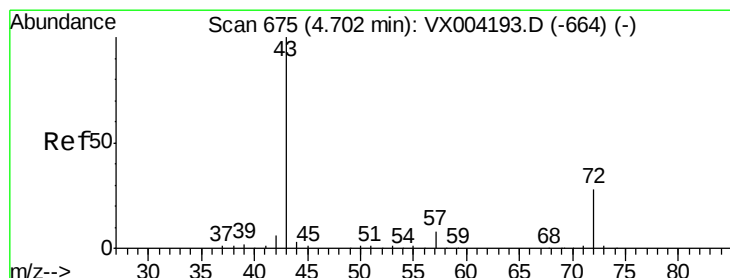
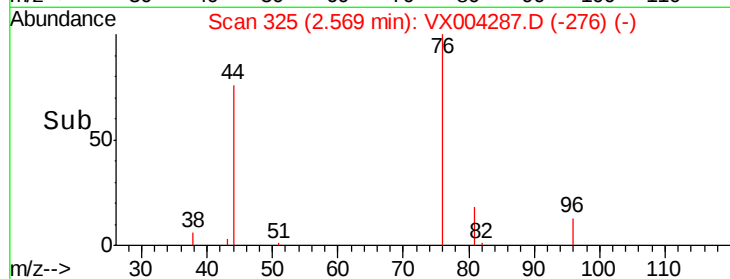
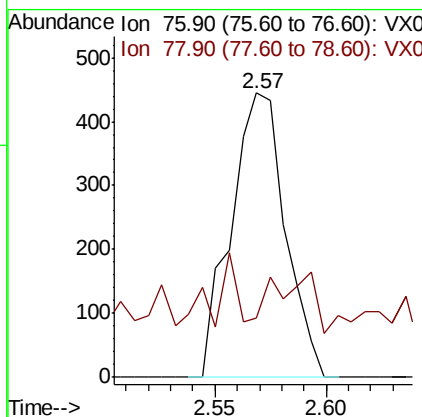
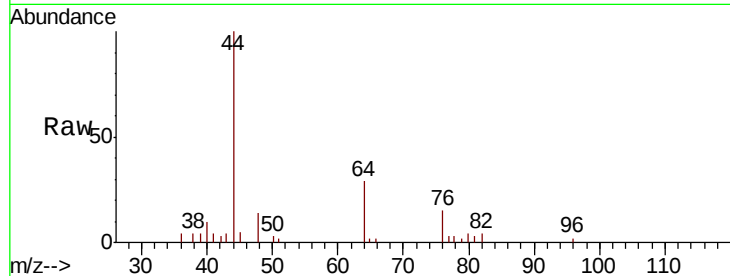




#17
Carbon Disulfide
Concen: 0.89 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX004287.D
Acq: 29 Aug 2018 12:43

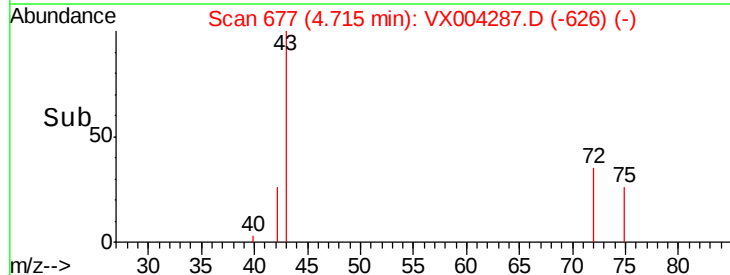
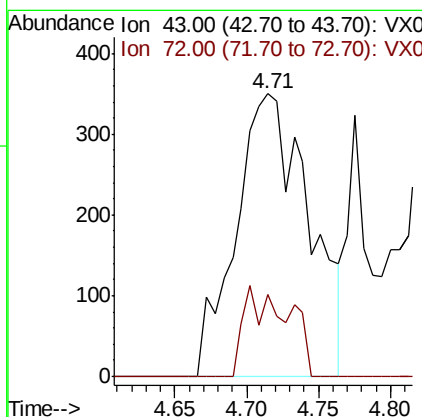
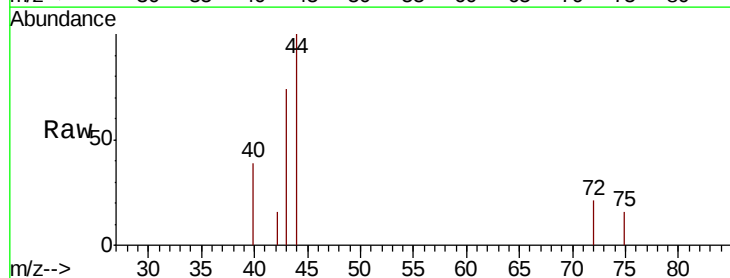
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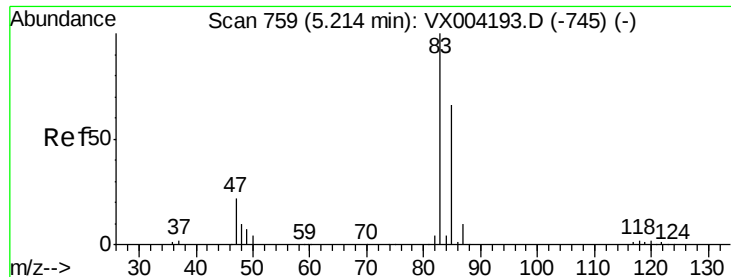
Tot Ion: 76 Resp: 753
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#25
2-Butanone
Concen: Below Cal
RT: 4.71 min Scan# 677
Delta R.T. 0.01 min
Lab File: VX004287.D
Acq: 29 Aug 2018 12:43

Tgt Ion: 43 Resp: 1239
Ion Ratio Lower Upper
43 100
72 28.9 22.0 33.0

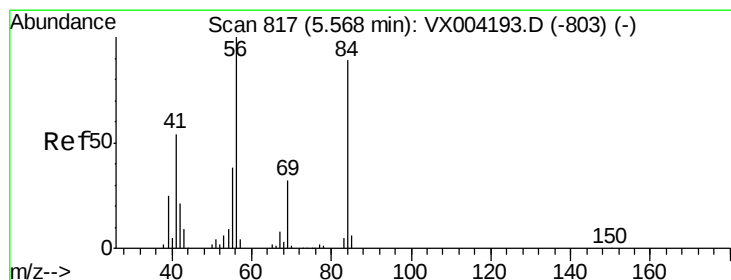
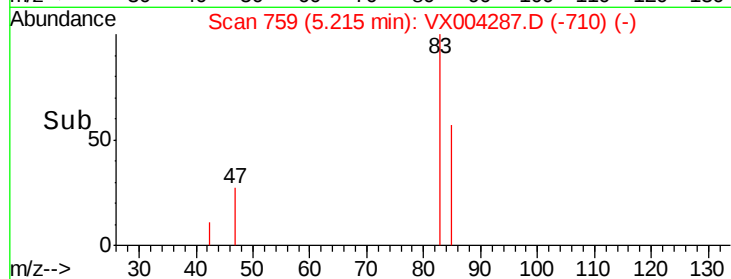
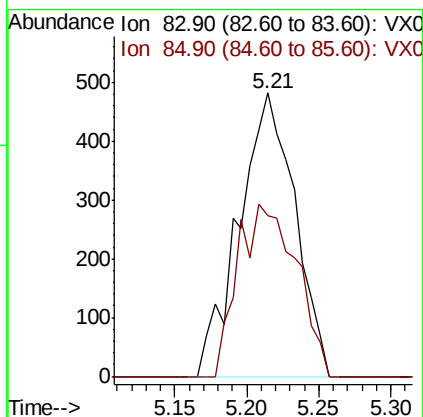
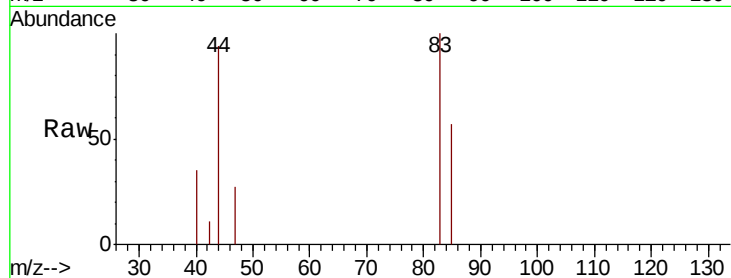




#30
Chloroform
Concen: 0.22 ug/l
RT: 5.21 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX004287.D
Acq: 29 Aug 2018 12:43

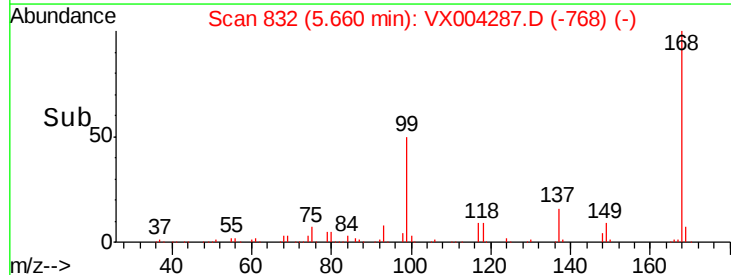
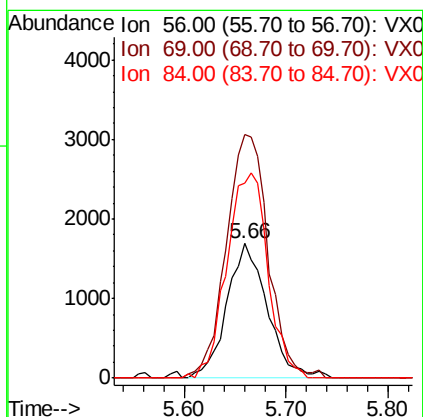
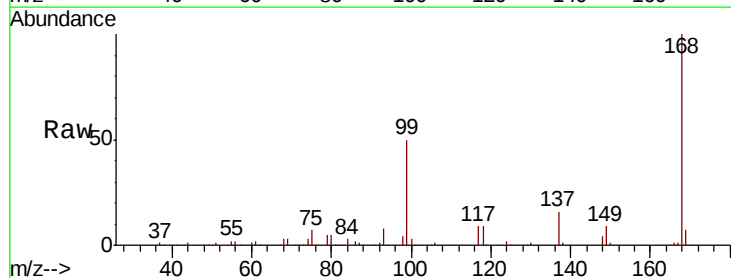
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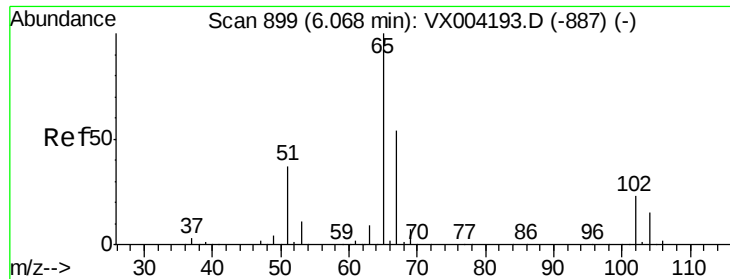
Tot Ion: 83 Resp: 1301
Ion Ratio Lower Upper
83 100
85 56.6 52.6 79.0



#31
Cyclohexane
Concen: 0.93 ug/l
RT: 5.66 min Scan# 832
Delta R.T. 0.09 min
Lab File: VX004287.D
Acq: 29 Aug 2018 12:43

Tgt Ion: 56 Resp: 4643
Ion Ratio Lower Upper
56 100
69 181.2 25.4 38.2#
84 144.8 71.4 107.2#

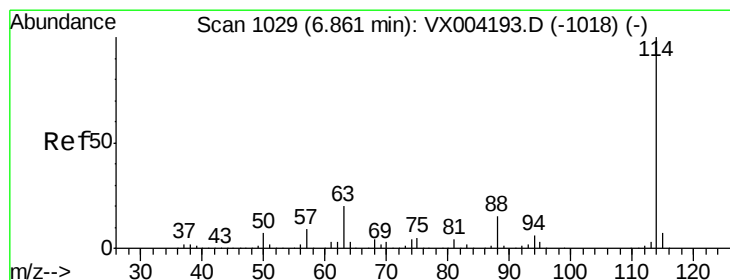
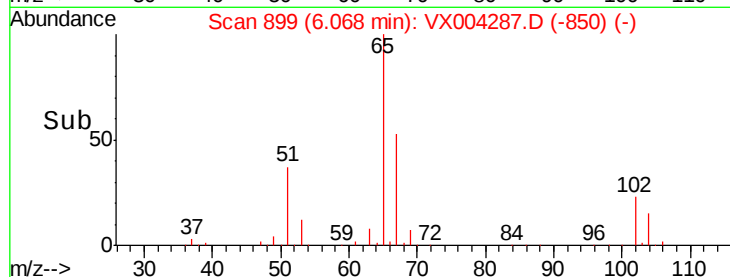
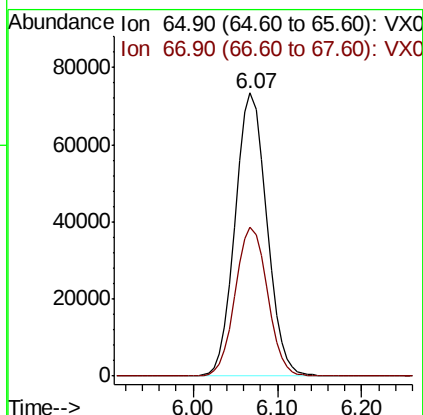
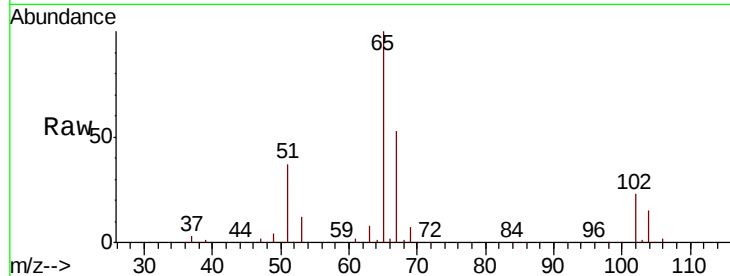




#33
 1,2-Dichloroethane-d4
 Concen: 52.58 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX004287.D
 Acq: 29 Aug 2018 12:43

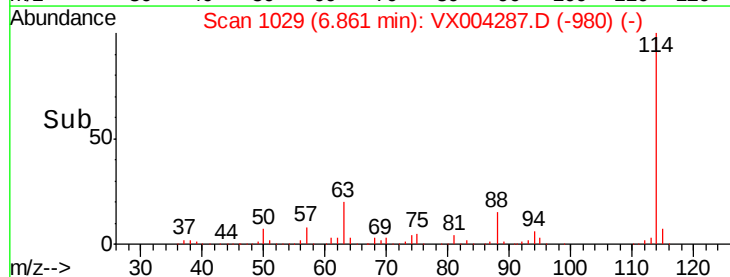
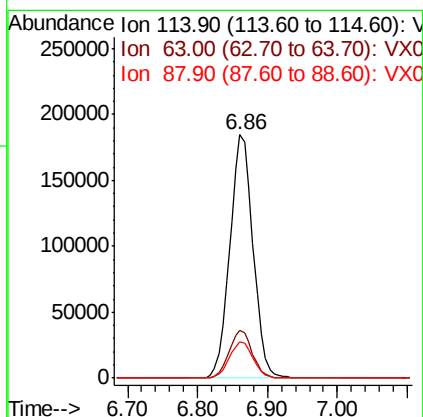
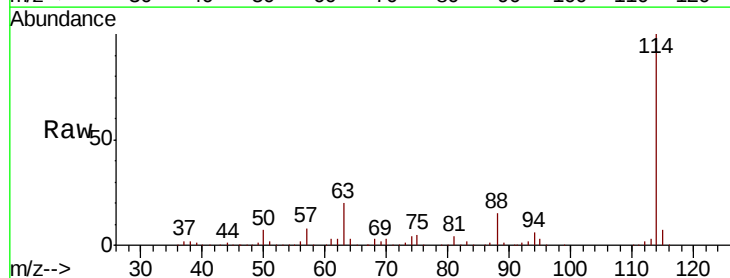
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 ClientSampleId :
 CPA-CPMW10D-M12W4-082318

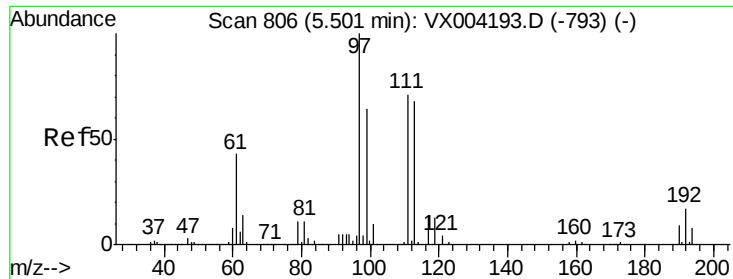
Tot Ion: 65 Resp: 186942
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX004287.D
 Acq: 29 Aug 2018 12:43

Tgt Ion: 114 Resp: 425032
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.0
 88 15.1 0.0 30.4

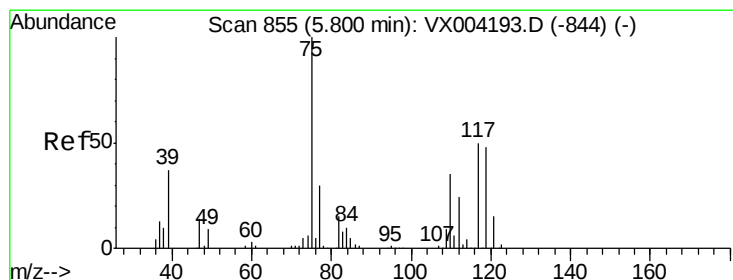
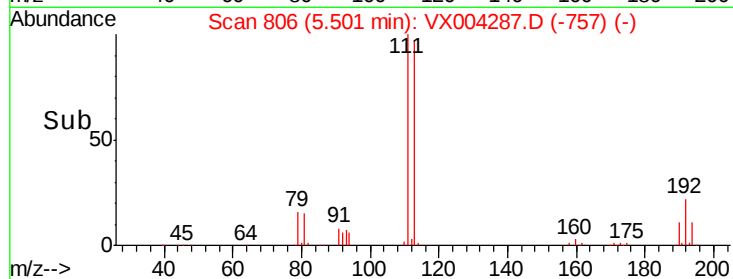
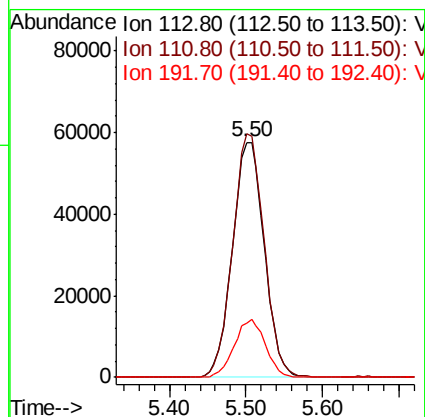
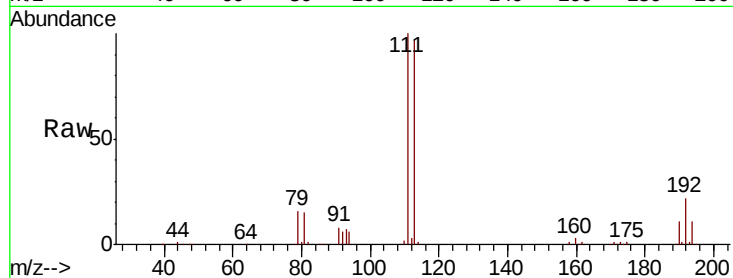




#35
 Dibromofluoromethane
 Concen: 52.63 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX004287.D
 Acq: 29 Aug 2018 12:43

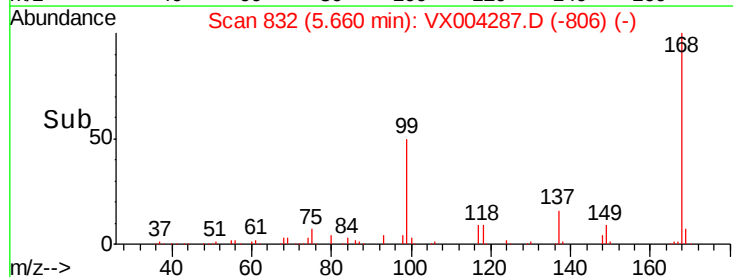
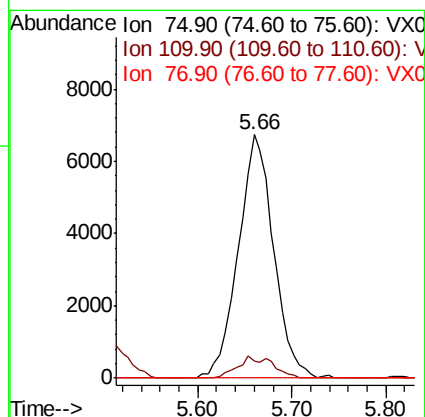
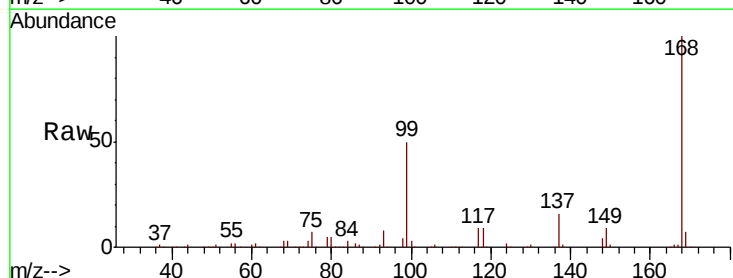
Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW10D-M12W4-082318

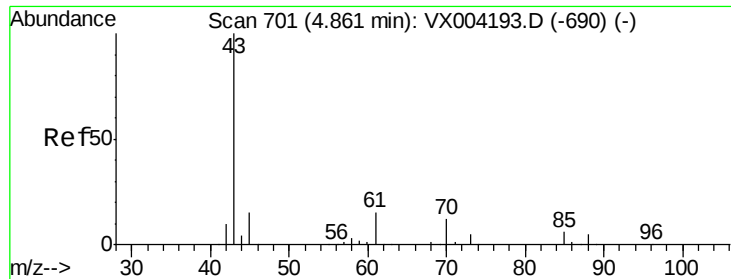
Tot Ion:113 Resp: 166426
 Ion Ratio Lower Upper
 113 100
 111 101.5 82.4 123.6
 192 24.0 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 3.69 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.14 min
 Lab File: VX004287.D
 Acq: 29 Aug 2018 12:43

Tgt Ion: 75 Resp: 17619
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.0 54.0#
 77 0.0 24.6 36.8#

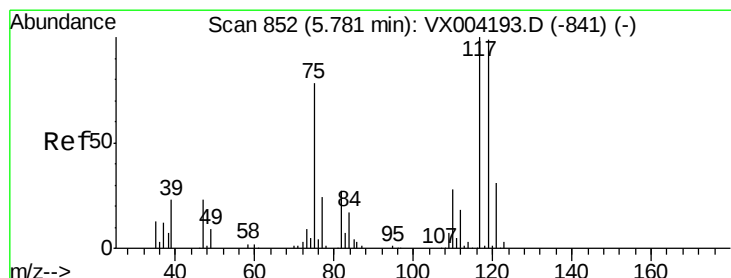
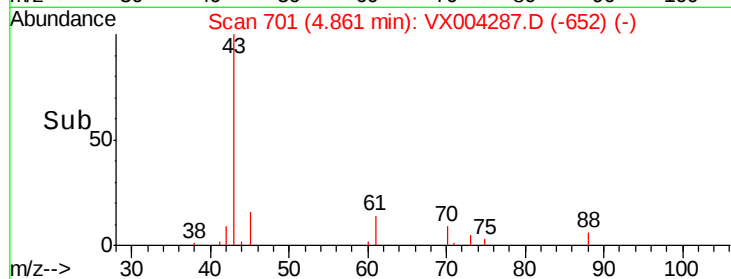
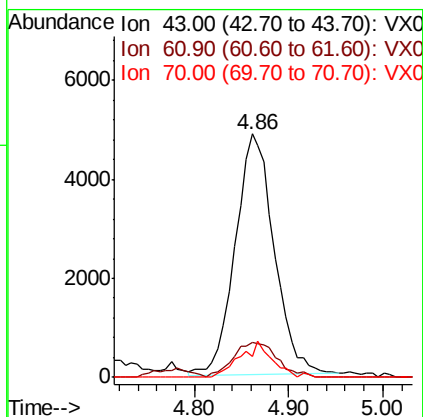
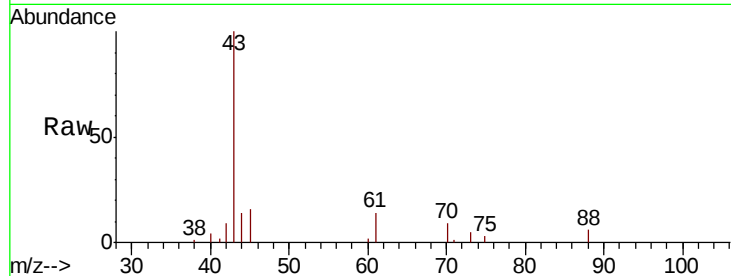




#37
Ethyl Acetate
Concen: 2.96 ug/l
RT: 4.86 min Scan# 701
Delta R.T. 0.00 min
Lab File: VX004287.D
Acq: 29 Aug 2018 12:43

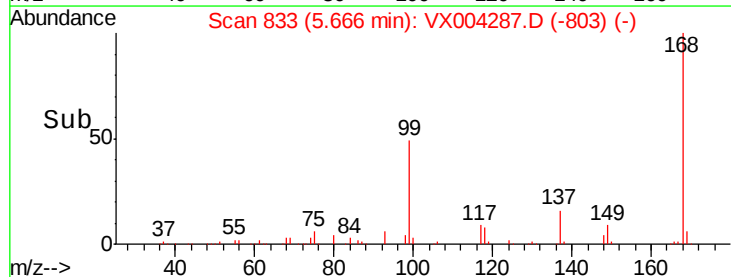
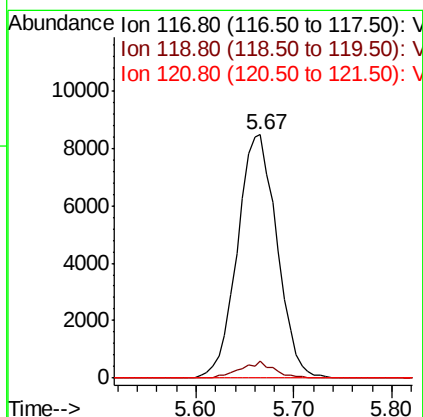
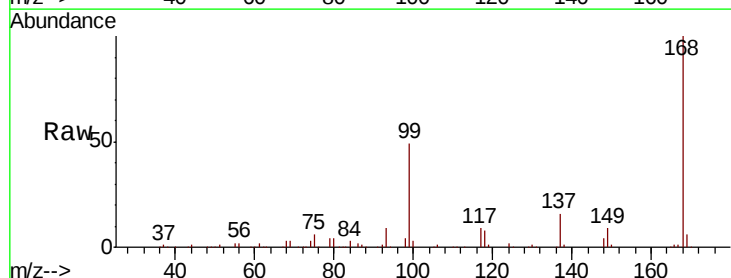
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW10D-M12W4-082318

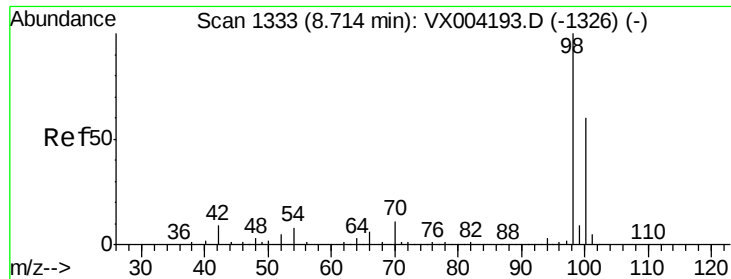
Tot Ion: 43 Resp: 13926
Ion Ratio Lower Upper
43 100
61 16.6 11.5 17.3
70 12.1 9.0 13.6



#38
Carbon Tetrachloride
Concen: 5.28 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX004287.D
Acq: 29 Aug 2018 12:43

Tgt Ion: 117 Resp: 23741
Ion Ratio Lower Upper
117 100
119 7.0 78.8 118.2#
121 0.0 24.9 37.3#

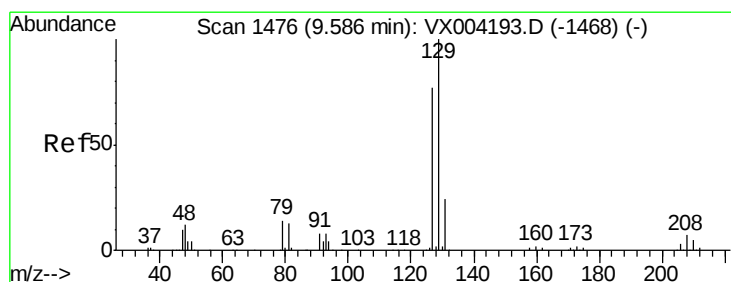
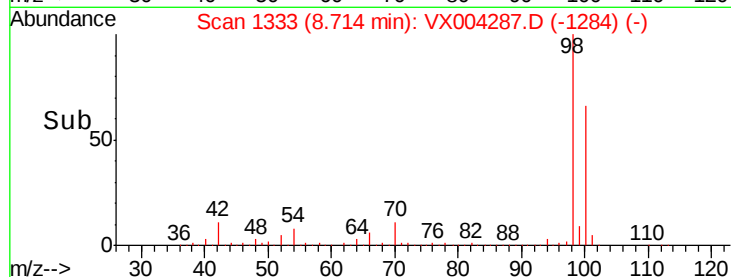
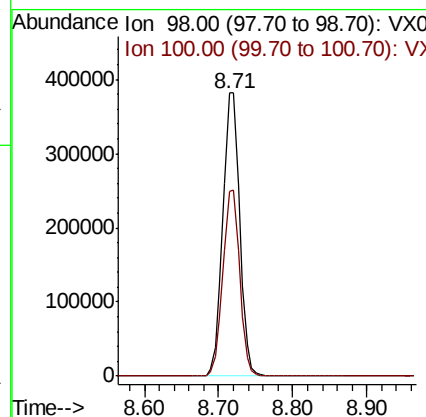
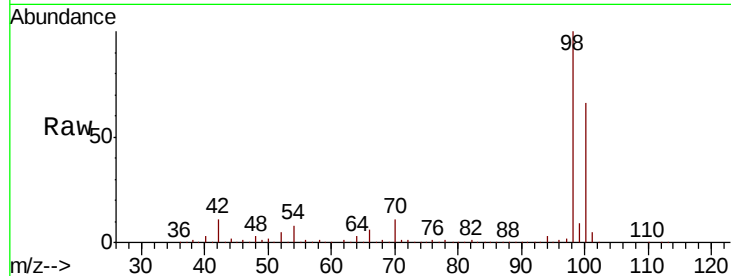




#50
Toluene-d8
Concen: 50.31 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. 0.00 min
Lab File: VX004287.D
Acq: 29 Aug 2018 12:43

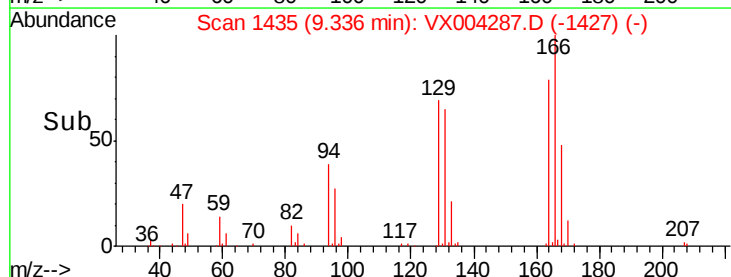
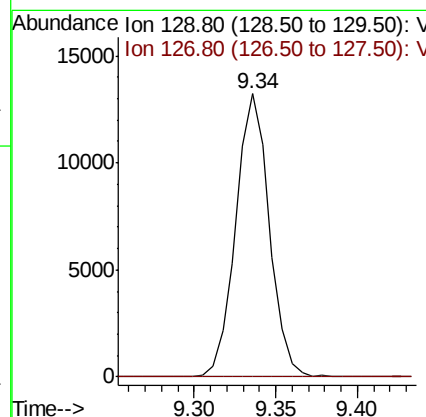
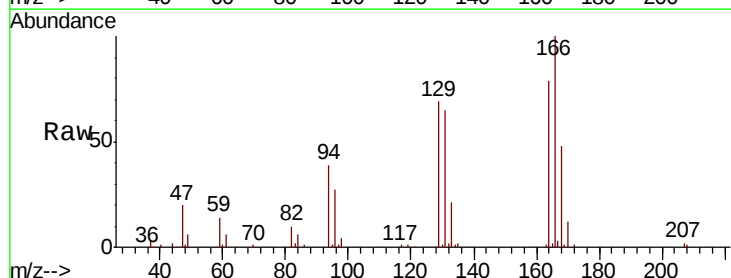
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW10D-M12W4-082318

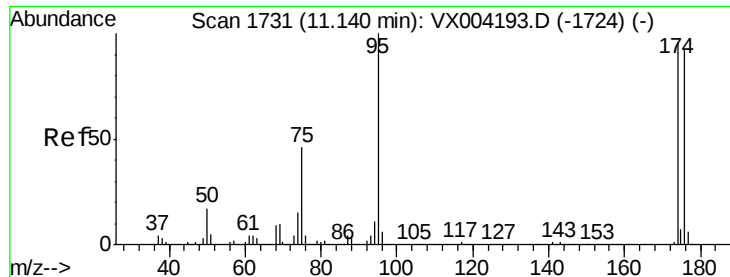
Tot Ion: 98 Resp: 600425
Ion Ratio Lower Upper
98 100
100 65.4 52.9 79.3



#60
Dibromochloromethane
Concen: 5.37 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.25 min
Lab File: VX004287.D
Acq: 29 Aug 2018 12:43

Tgt Ion: 129 Resp: 18883
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#

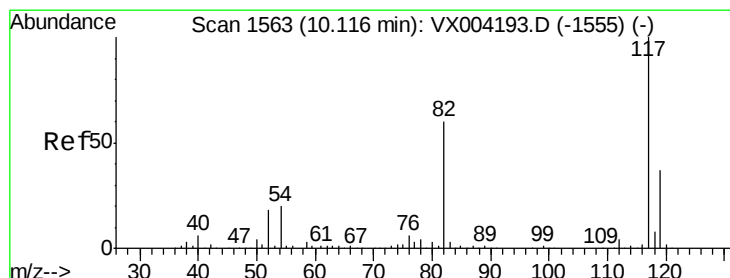
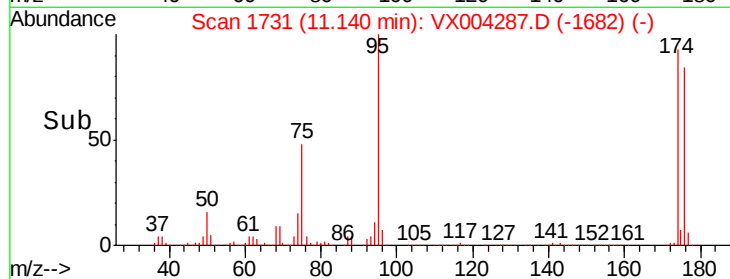
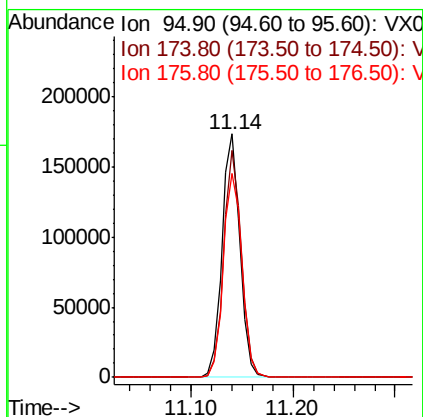
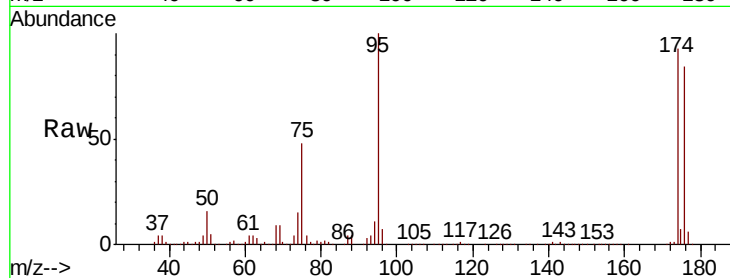




#62
4-Bromofluorobenzene
Concen: 47.79 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX004287.D
Acq: 29 Aug 2018 12:43

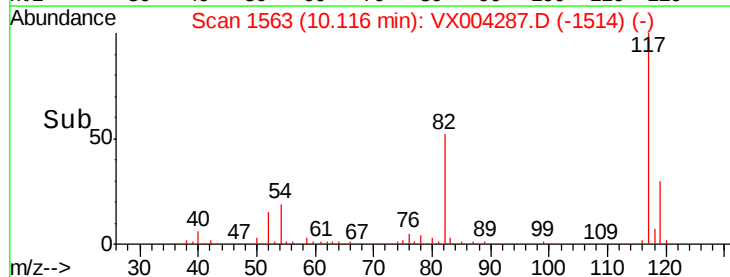
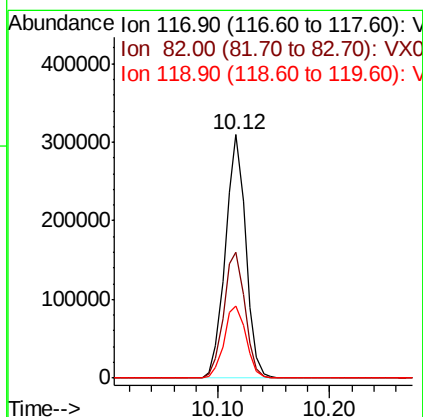
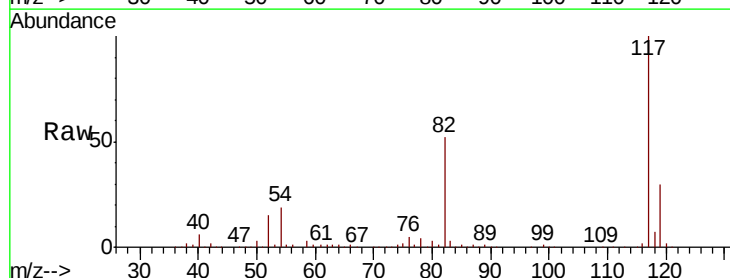
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW10D-M12W4-082318

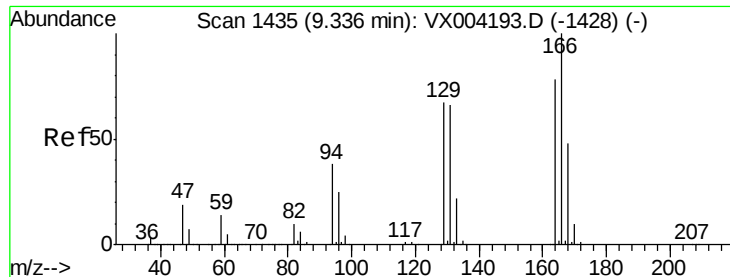
Tot Ion: 95 Resp: 212815
Ion Ratio Lower Upper
95 100
174 92.0 0.0 185.2
176 87.2 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX004287.D
Acq: 29 Aug 2018 12:43

Tgt Ion: 117 Resp: 391980
Ion Ratio Lower Upper
117 100
82 51.7 47.8 71.6
119 29.8 29.3 43.9





#64

Tetrachloroethene

Concen: 5.55 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. 0.00 min

Lab File: VX004287.D

Acq: 29 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW10D-M12W4-082318

Tot Ion:164 Resp: 21506

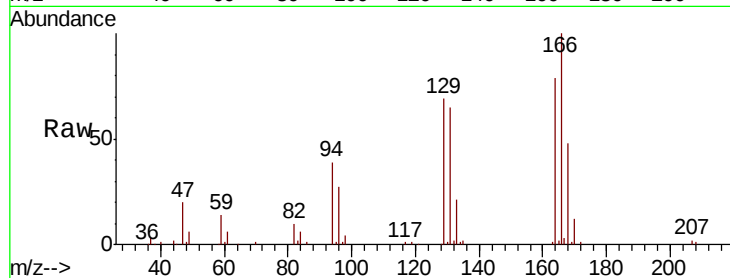
Ion Ratio Lower Upper

164 100

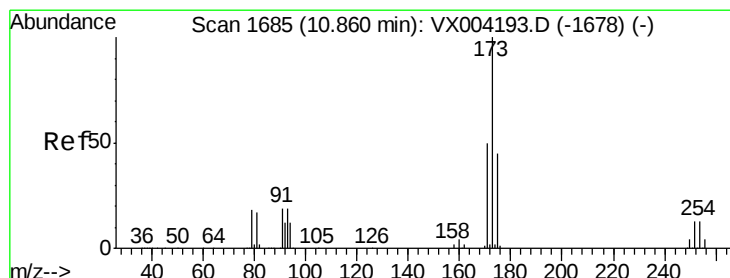
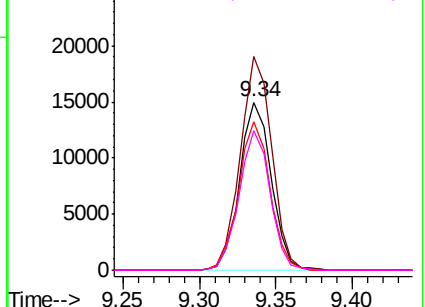
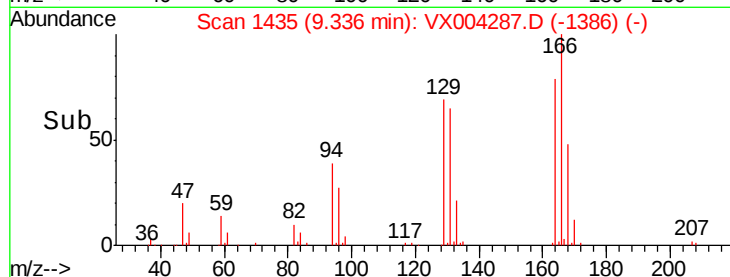
166 126.9 102.8 154.2

129 88.2 69.4 104.0

131 82.8 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



#71

Bromoform

Concen: 0.25 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX004287.D

Acq: 29 Aug 2018 12:43

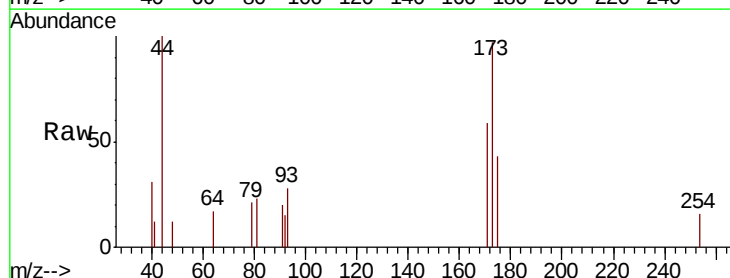
Tgt Ion:173 Resp: 696

Ion Ratio Lower Upper

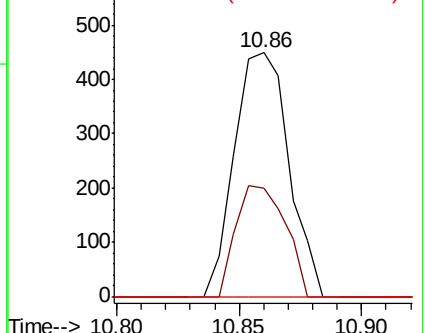
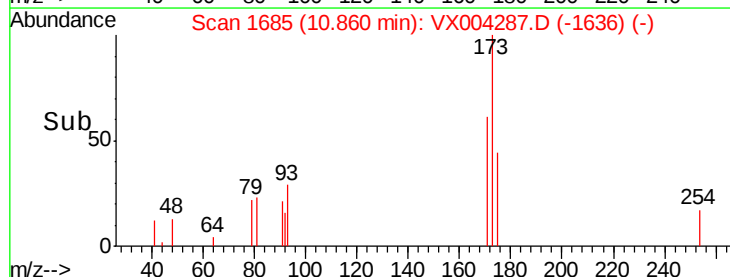
173 100

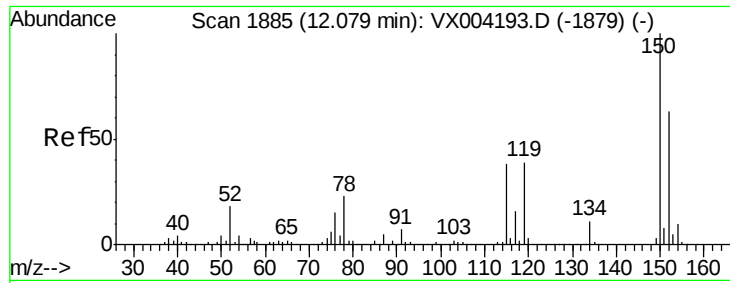
175 0.0 24.1 72.3#

254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): 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: VX004287.D

Acq: 29 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW10D-M12W4-082318

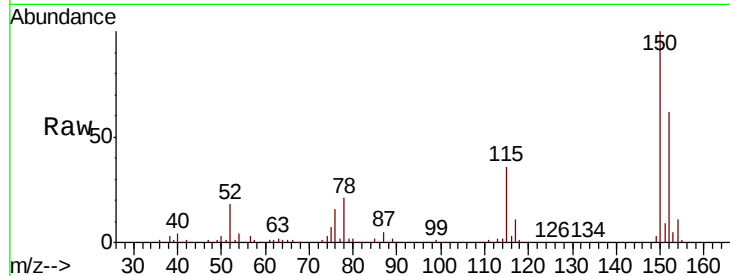
Tot Ion:152 Resp: 209953

Ion Ratio Lower Upper

152 100

115 55.2 39.0 117.0

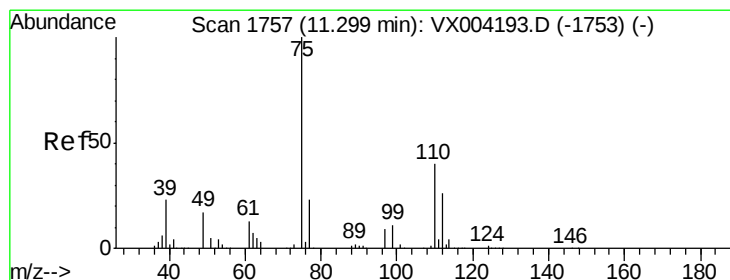
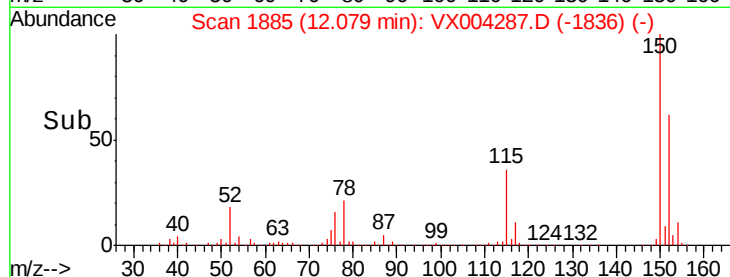
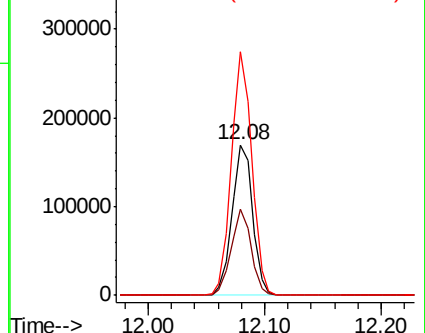
150 160.0 0.0 351.0



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: 23.74 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004287.D

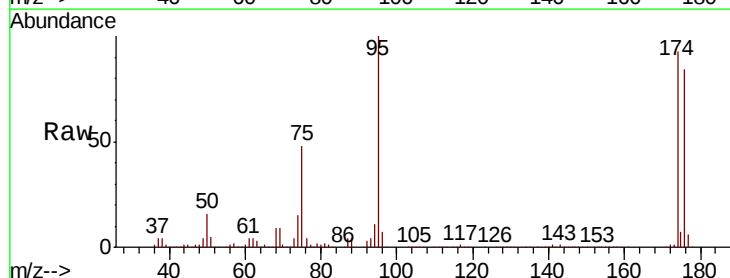
Acq: 29 Aug 2018 12:43

Tgt Ion: 75 Resp: 101387

Ion Ratio Lower Upper

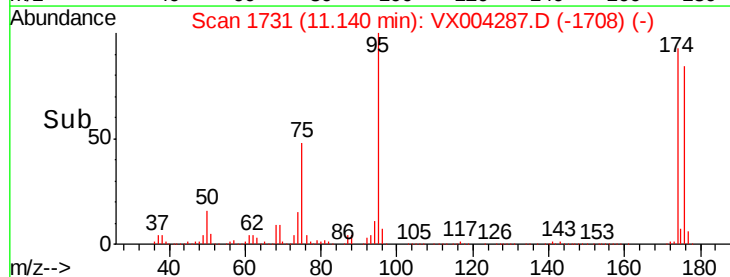
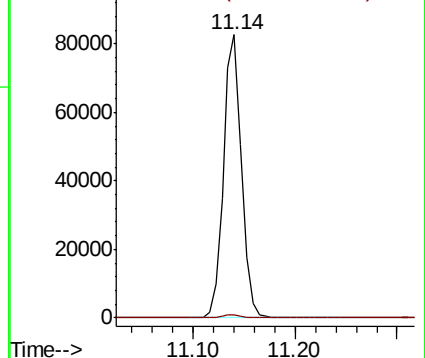
75 100

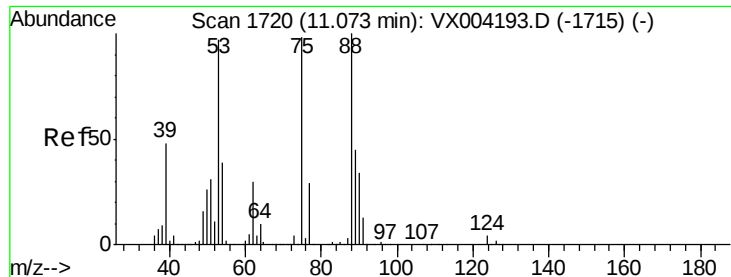
77 1.3 20.2 60.6#



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: 77.04 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.07 min

Lab File: VX004287.D

Acq: 29 Aug 2018 12:43

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW10D-M12W4-082318

Tot Ion: 75 Resp: 101387

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#

