

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX082918\
 Data File : VX004291.D
 Acq On : 29 Aug 2018 14:30
 Operator : JC/MD
 Sample : J4681-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Aug 30 02:08:31 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	268682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	417793	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	389842	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	204459	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	187054	53.41	ug/l	0.00
Spiked Amount			Recovery	=	106.82%	
35) Dibromofluoromethane	5.51	113	164587	52.95	ug/l	0.00
Spiked Amount			Recovery	=	105.90%	
50) Toluene-d8	8.71	98	595071	50.72	ug/l	0.00
Spiked Amount			Recovery	=	101.44%	
62) 4-Bromofluorobenzene	11.14	95	206609	47.20	ug/l	0.00
Spiked Amount			Recovery	=	94.40%	

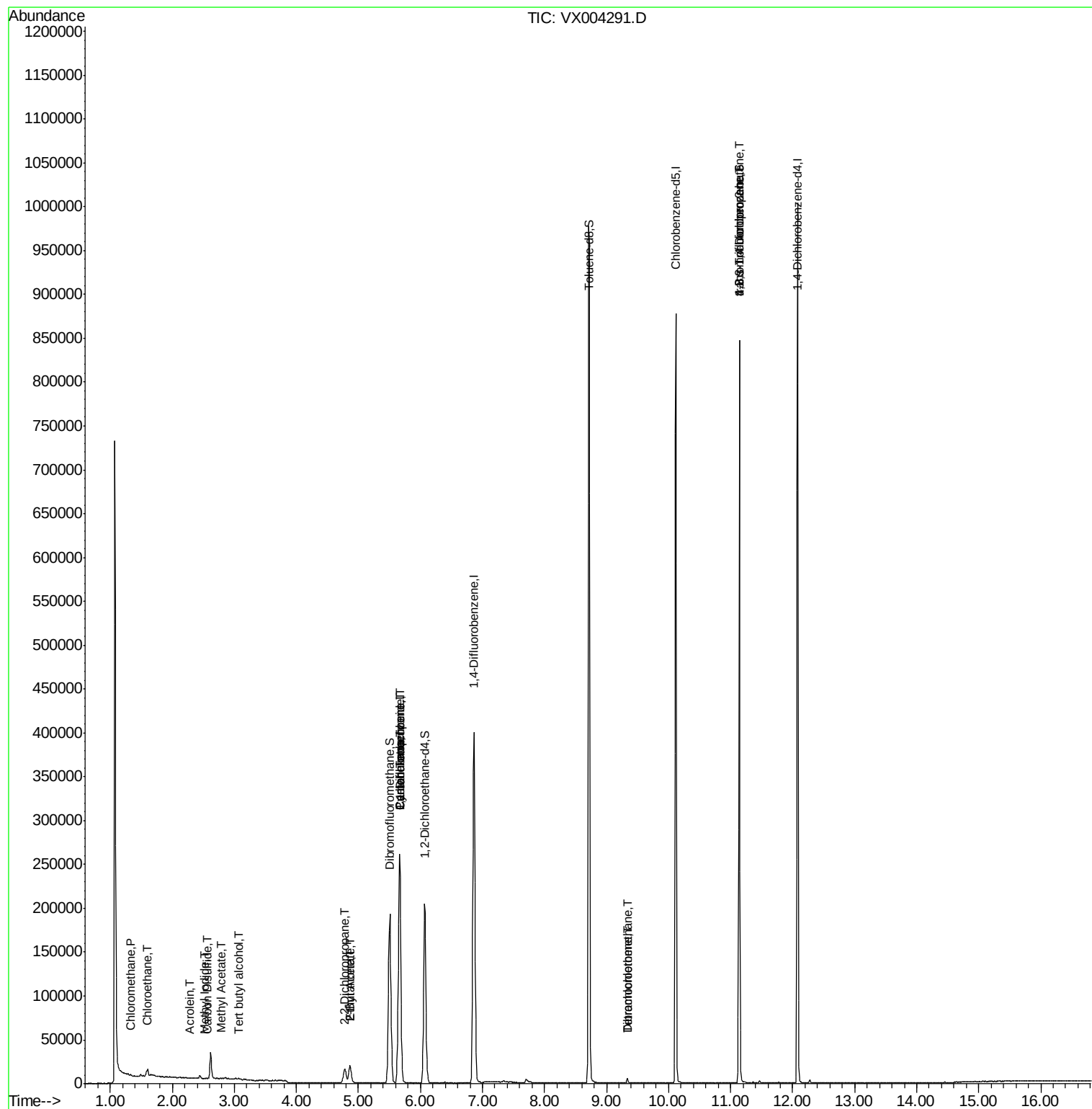
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1039	0.59	ug/l	99
5) Bromomethane	1.64	94	1133	Below Cal	#	79
6) Chloroethane	1.59	64	5498	2.90	ug/l	# 61
10) Methyl Iodide	2.52	142	529	4.41	ug/l	# 85
11) Tert butyl alcohol	3.07	59	1410	1.89	ug/l	# 92
13) Acrolein	2.29	56	53	0.29	ug/l	# 17
16) Acetone	2.45	43	3739	Below Cal		100
17) Carbon Disulfide	2.57	76	508	0.86	ug/l	# 76
18) Methyl Acetate	2.78	43	1058	0.20	ug/l	# 84
25) 2-Butanone	4.86	43	33820	11.70	ug/l	# 47
26) 2,2-Dichloropropane	4.79	77	1394	0.31	ug/l	# 52
31) Cyclohexane	5.66	56	4576	0.93	ug/l	# 1
36) 1,1-Dichloropropene	5.66	75	17933	3.82	ug/l	# 49
37) Ethyl Acetate	4.86	43	34162	7.40	ug/l	97
38) Carbon Tetrachloride	5.66	117	23359	5.29	ug/l	# 17
60) Dibromochloromethane	9.34	129	1056	0.31	ug/l	# 11
64) Tetrachloroethene	9.34	164	1210	0.31	ug/l	88
76) 1,2,3-Trichloropropane	11.14	75	98100	23.59	ug/l	# 37
81) trans-1,4-Dichloro-2-buten	11.14	75	98100	76.54	ug/l	# 10
94) Hexachlorobutadiene	13.78	225	55	Below Cal		70

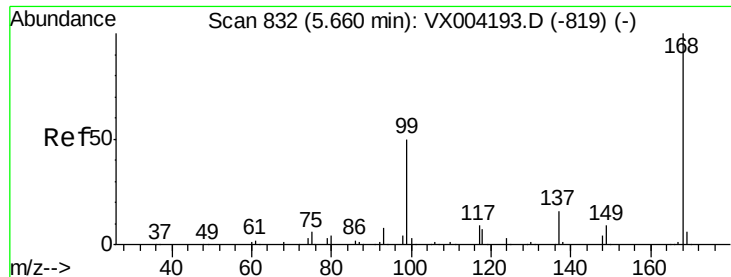
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX082918\
Data File : VX004291.D
Acq On : 29 Aug 2018 14:30
Operator : JC/MD
Sample : J4681-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Aug 30 02:08:31 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
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: VX004291.D

Acq: 29 Aug 2018 14:30

Instrument :

MSVOA_X

ClientSampleId :

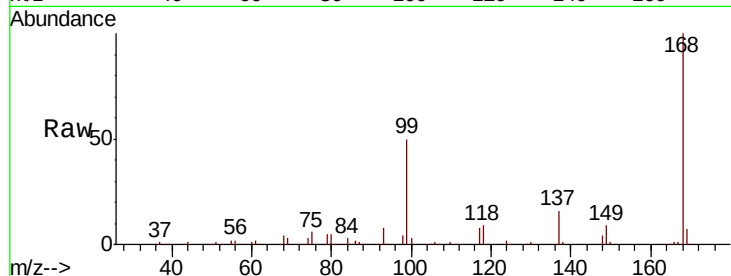
CPA-CPMW02S-M12W4-082318

Tot Ion:168 Resp: 268682

Ion Ratio Lower Upper

168 100

99 50.2 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

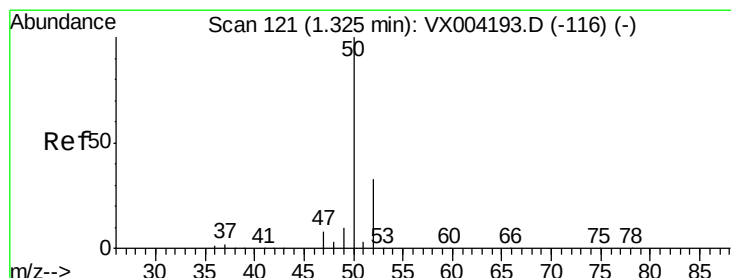
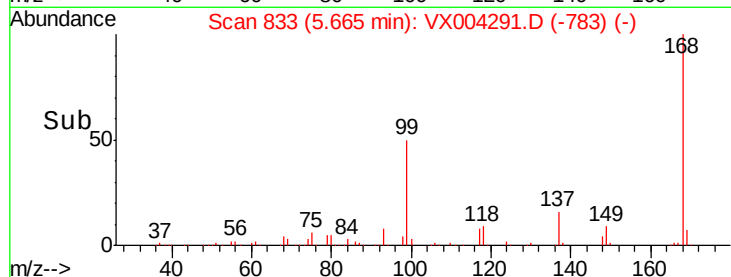
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#3

Chloromethane

Concen: 0.59 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004291.D

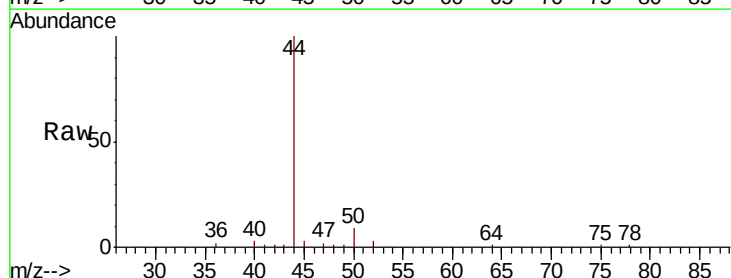
Acq: 29 Aug 2018 14:30

Tgt Ion: 50 Resp: 1039

Ion Ratio Lower Upper

50 100

52 33.5 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

800

600

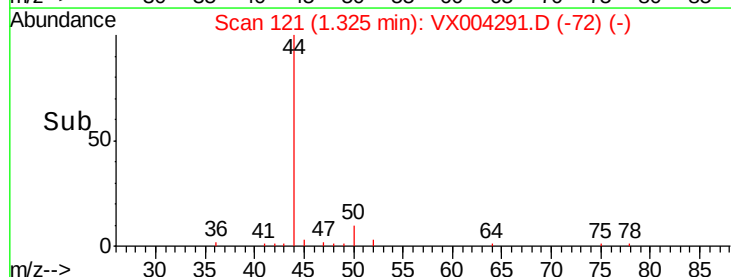
400

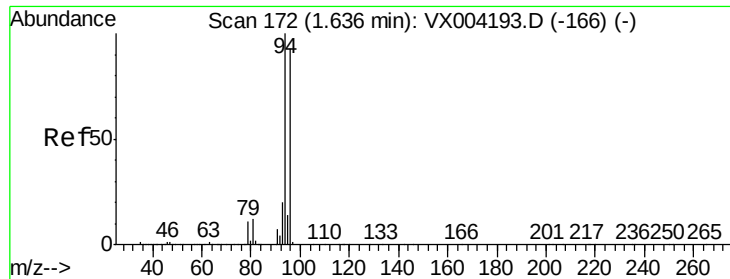
200

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX004291.D

Acq: 29 Aug 2018 14:30

Instrument :

MSVOA_X

ClientSampleId :

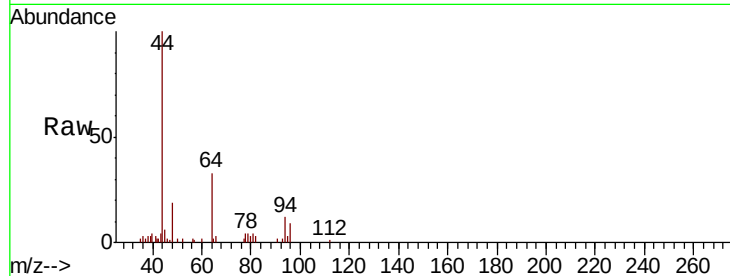
CPA-CPMW02S-M12W4-082318

Tot Ion: 94 Resp: 1133

Ion Ratio Lower Upper

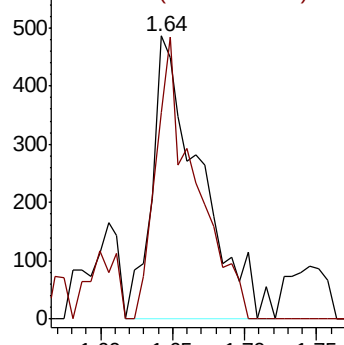
94 100

96 72.8 74.5 111.7#

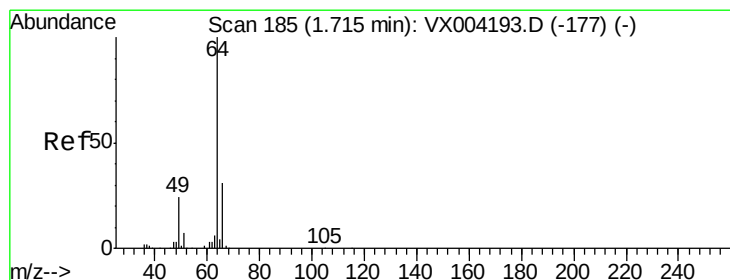
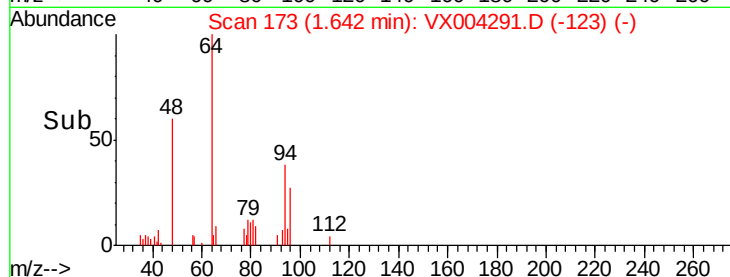


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 2.90 ug/l

RT: 1.59 min Scan# 164

Delta R.T. -0.13 min

Lab File: VX004291.D

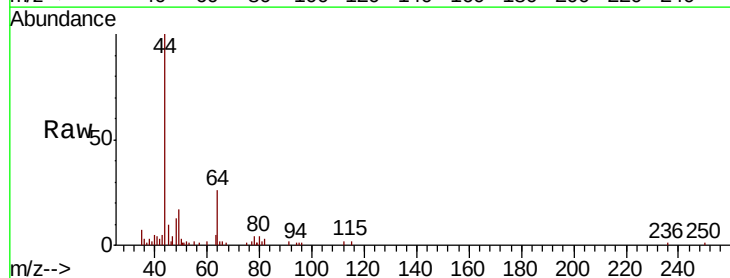
Acq: 29 Aug 2018 14:30

Tgt Ion: 64 Resp: 5498

Ion Ratio Lower Upper

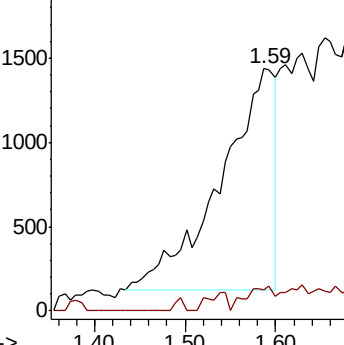
64 100

66 9.5 24.6 36.8#

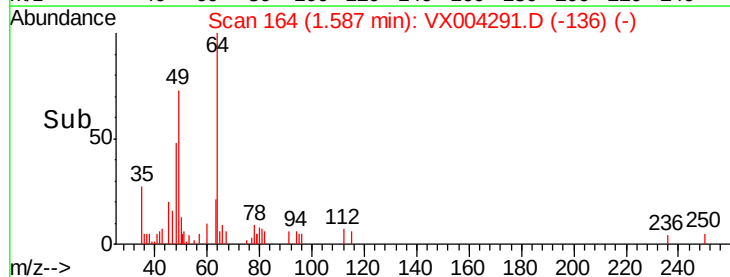


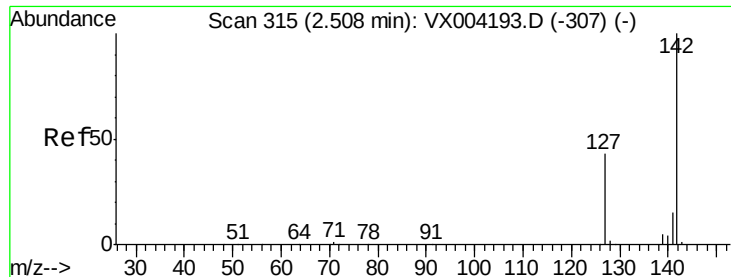
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->

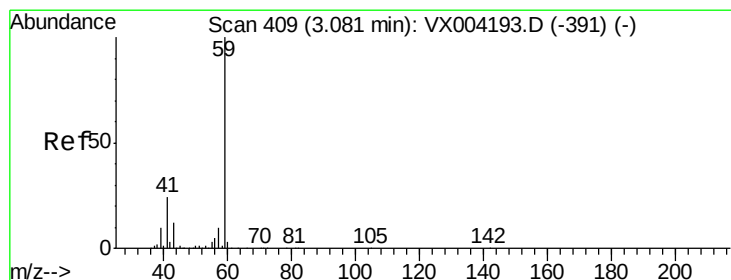
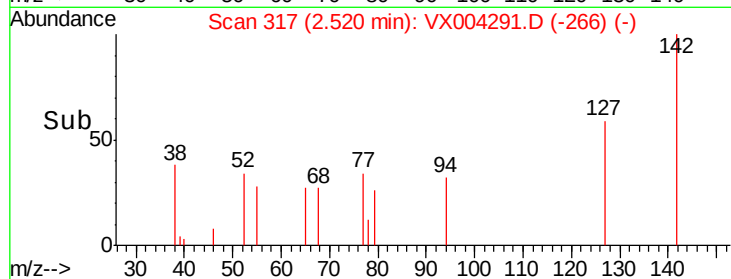
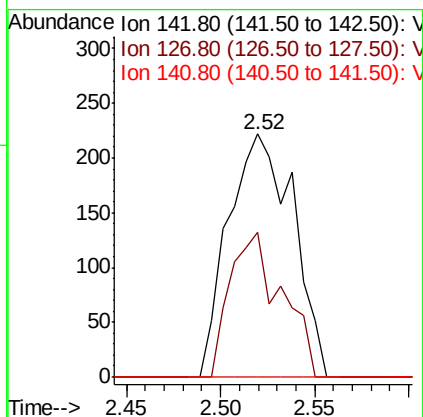
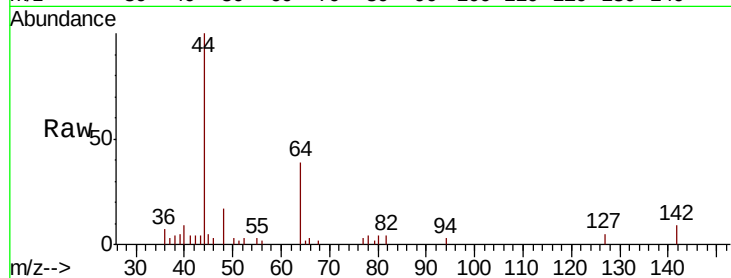




#10
Methyl Iodide
Concen: 4.41 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX004291.D
Acq: 29 Aug 2018 14:30

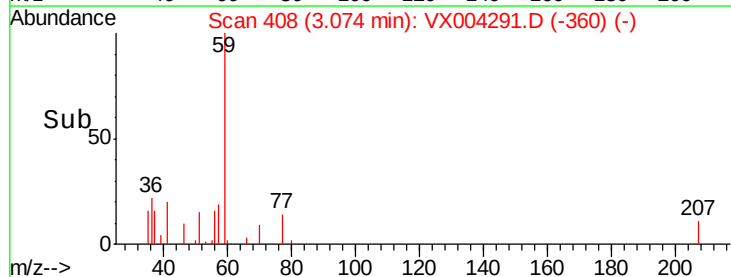
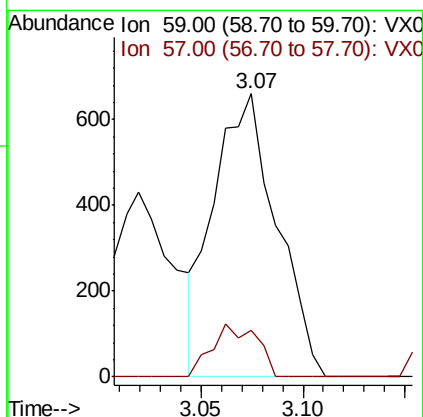
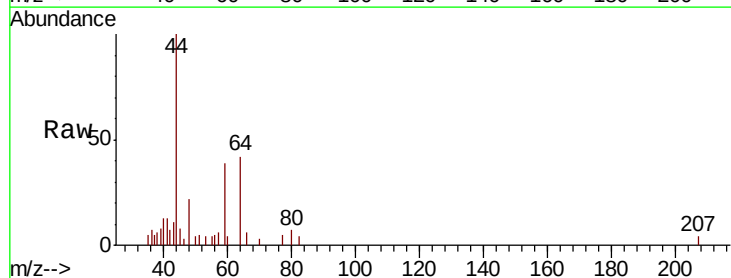
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW02S-M12W4-082318

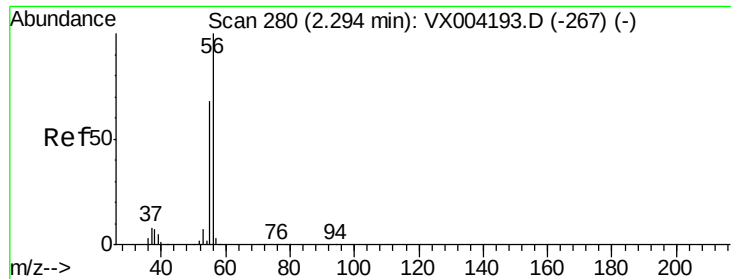
Tot Ion:142 Resp: 529
Ion Ratio Lower Upper
142 100
127 47.4 33.8 50.6
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 1.89 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX004291.D
Acq: 29 Aug 2018 14:30

Tgt Ion: 59 Resp: 1410
Ion Ratio Lower Upper
59 100
57 13.3 8.2 12.4#

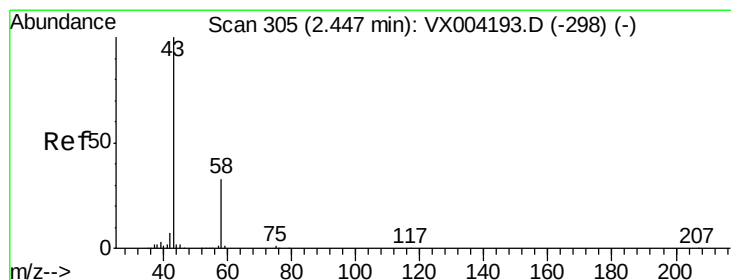
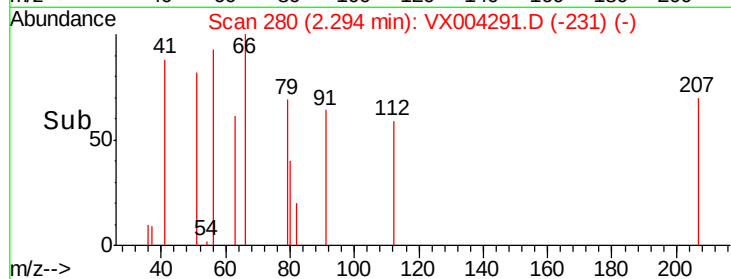
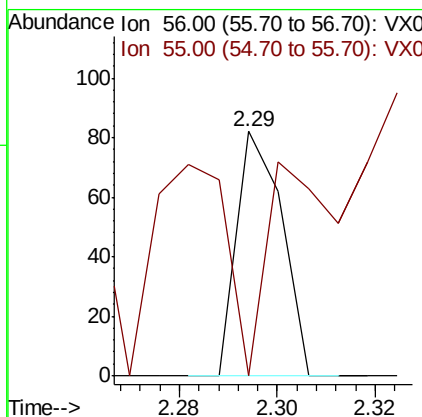
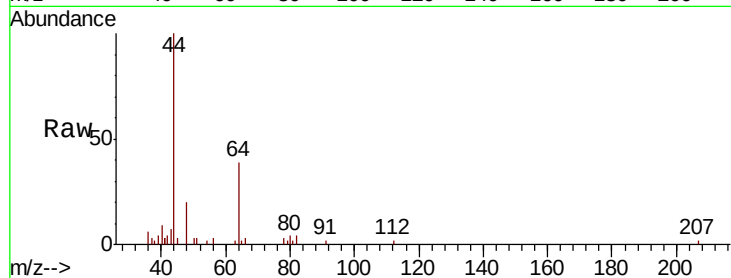




#13
Acrolein
Concen: 0.29 ug/l
RT: 2.29 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX004291.D
Acq: 29 Aug 2018 14:30

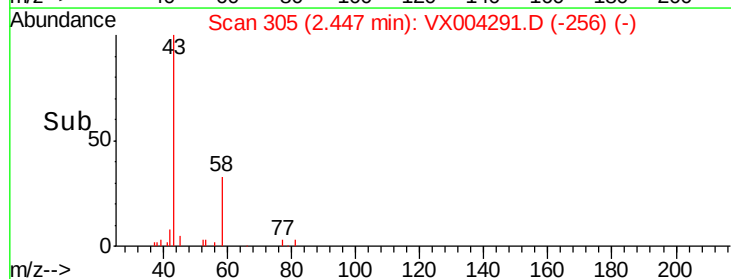
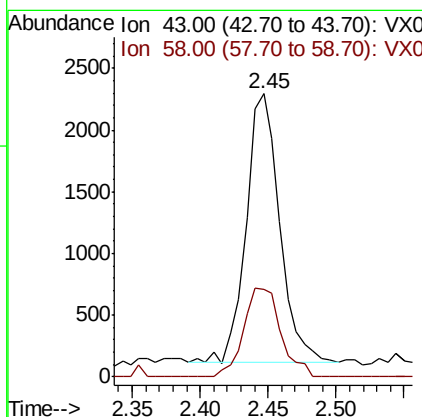
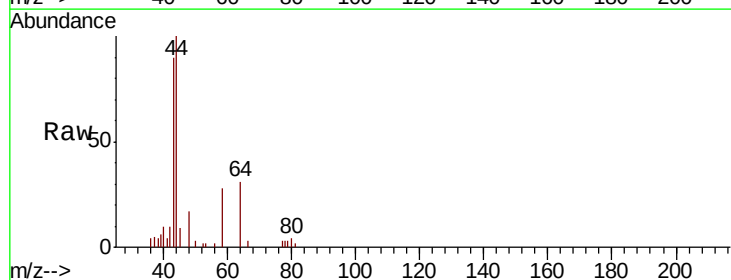
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW02S-M12W4-082318

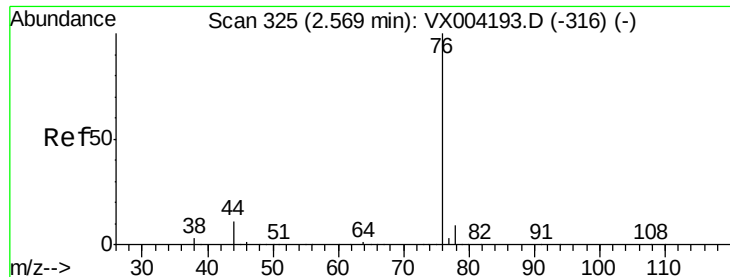
Tot Ion: 56 Resp: 53
Ion Ratio Lower Upper
56 100
55 135.8 54.7 82.1#



#16
Acetone
Concen: Below Cal
RT: 2.45 min Scan# 305
Delta R.T. 0.00 min
Lab File: VX004291.D
Acq: 29 Aug 2018 14:30

Tgt Ion: 43 Resp: 3739
Ion Ratio Lower Upper
43 100
58 32.5 26.2 39.4





#17

Carbon Disulfide

Concen: 0.86 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX004291.D

Acq: 29 Aug 2018 14:30

Instrument :

MSVOA_X

ClientSampleId :

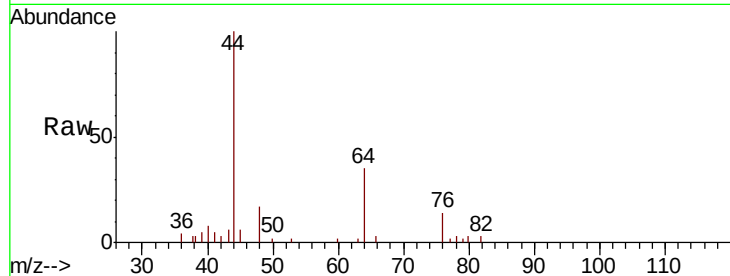
CPA-CPMW02S-M12W4-082318

Tot Ion: 76 Resp: 508

Ion Ratio Lower Upper

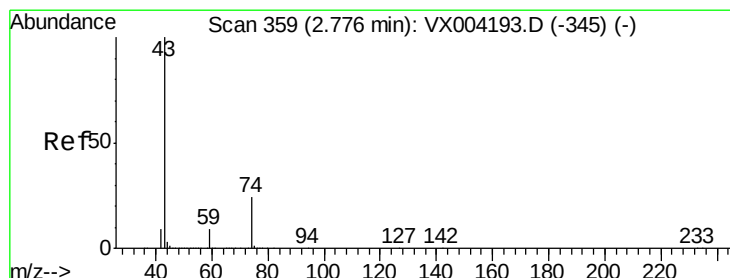
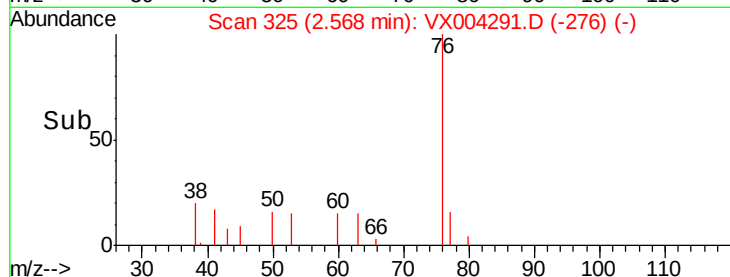
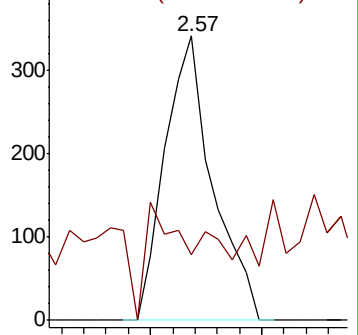
76 100

78 0.0 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: 0.20 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.01 min

Lab File: VX004291.D

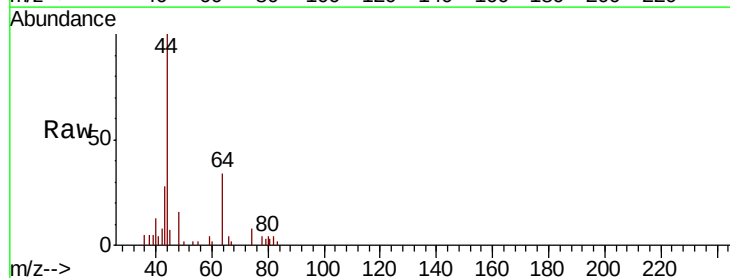
Acq: 29 Aug 2018 14:30

Tgt Ion: 43 Resp: 1058

Ion Ratio Lower Upper

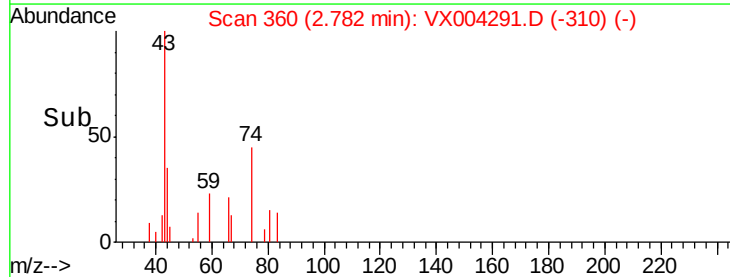
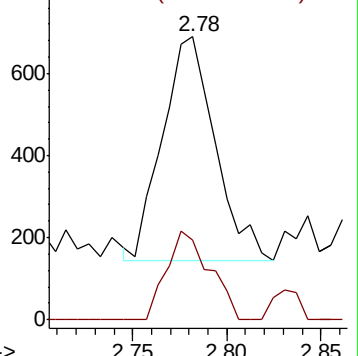
43 100

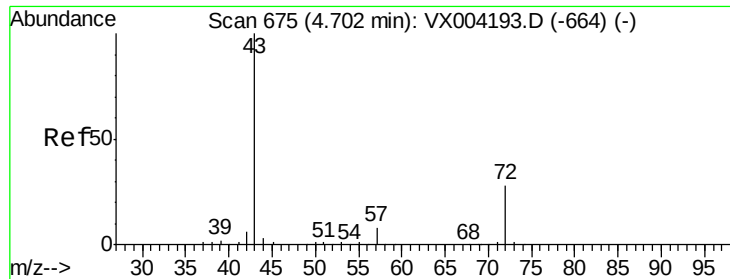
74 32.4 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#25

2-Butanone

Concen: 11.70 ug/l

RT: 4.86 min Scan# 701

Delta R.T. 0.16 min

Lab File: VX004291.D

Acq: 29 Aug 2018 14:30

Instrument :

MSVOA_X

ClientSampleId :

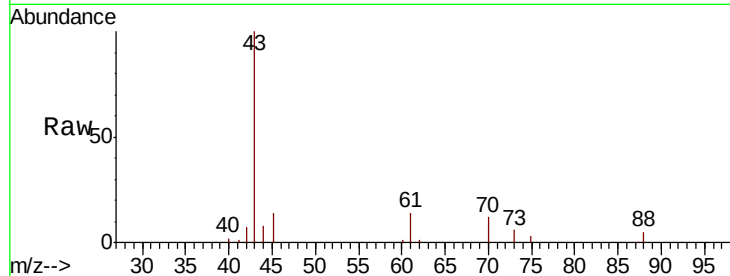
CPA-CPMW02S-M12W4-082318

Tot Ion: 43 Resp: 33820

Ion Ratio Lower Upper

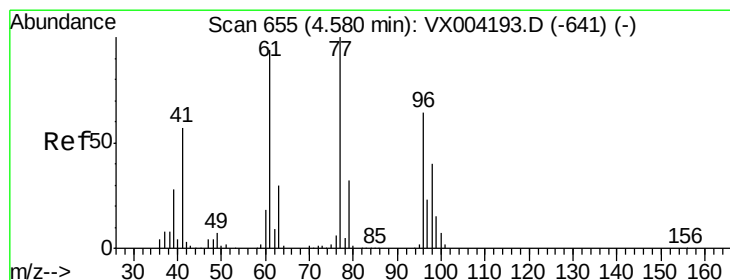
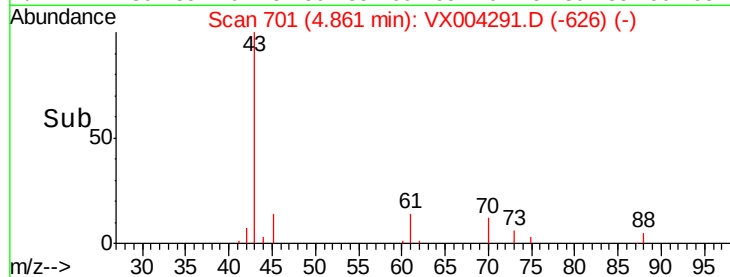
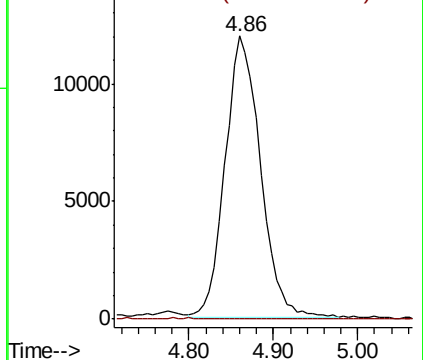
43 100

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: 0.31 ug/l

RT: 4.79 min Scan# 689

Delta R.T. 0.21 min

Lab File: VX004291.D

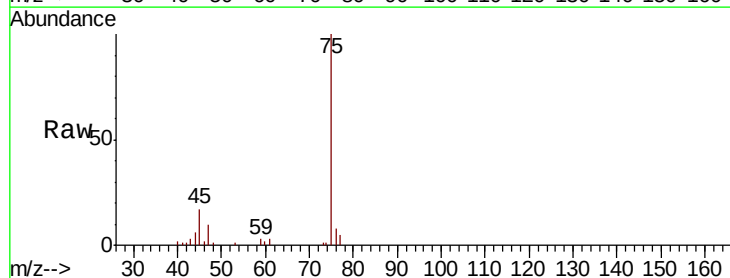
Acq: 29 Aug 2018 14:30

Tgt Ion: 77 Resp: 1394

Ion Ratio Lower Upper

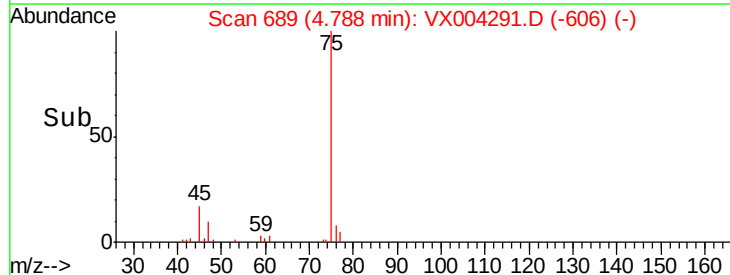
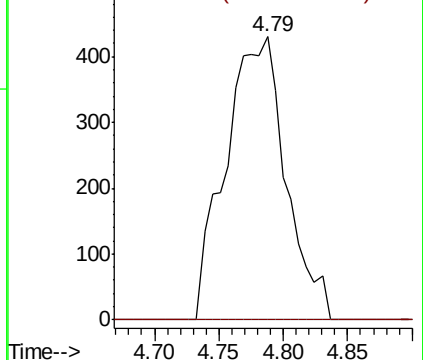
77 100

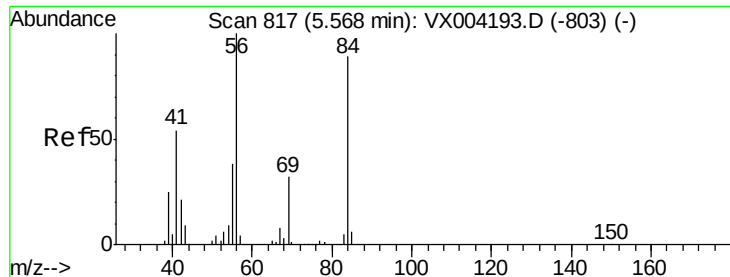
97 0.0 11.7 35.0#



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: VX004291.D

Acq: 29 Aug 2018 14:30

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW02S-M12W4-082318

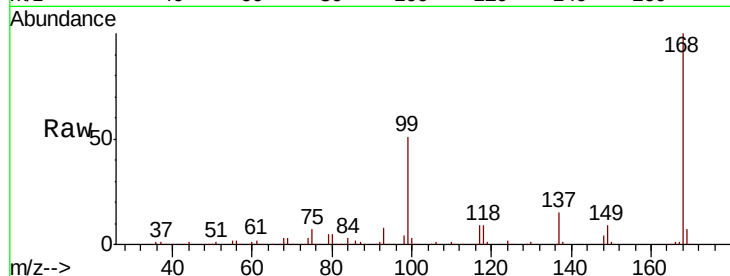
Tot Ion: 56 Resp: 4576

Ion Ratio Lower Upper

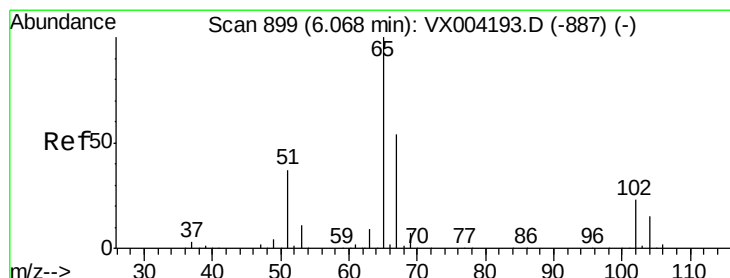
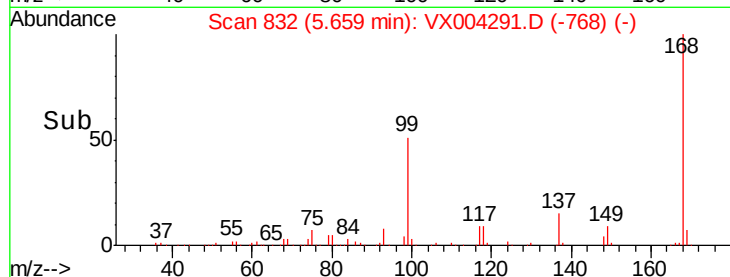
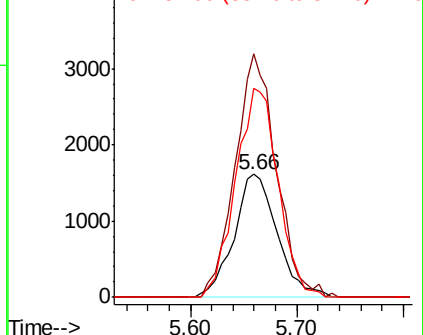
56 100

69 198.2 25.4 38.2#

84 170.5 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: 53.41 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.00 min

Lab File: VX004291.D

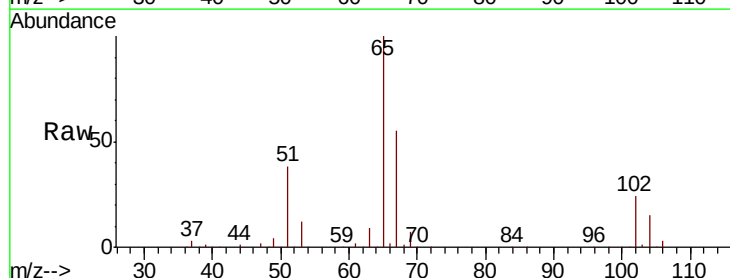
Acq: 29 Aug 2018 14:30

Tgt Ion: 65 Resp: 187054

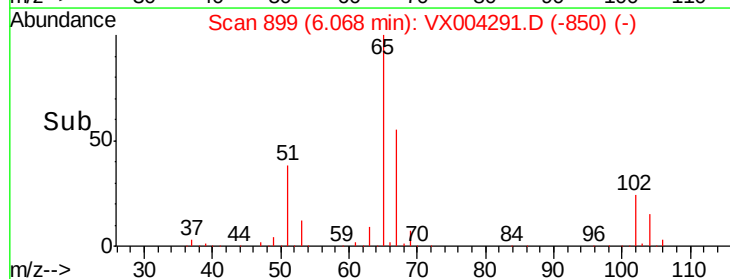
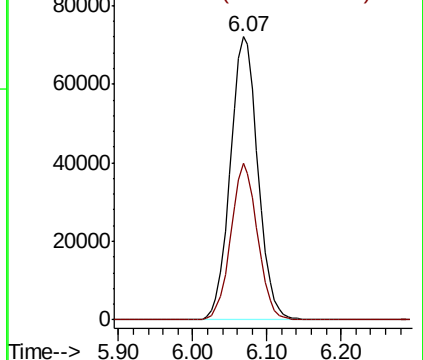
Ion Ratio Lower Upper

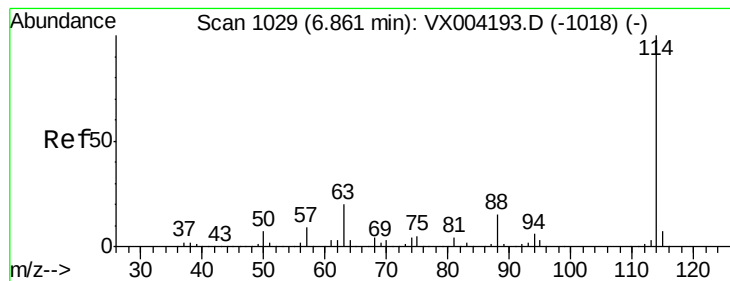
65 100

67 53.6 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: 6.87 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VX004291.D

Acq: 29 Aug 2018 14:30

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW02S-M12W4-082318

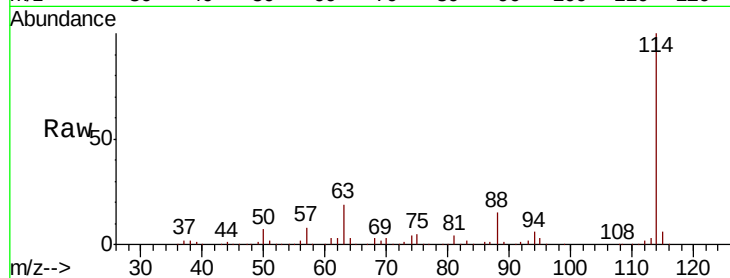
Tot Ion:114 Resp: 417793

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.0

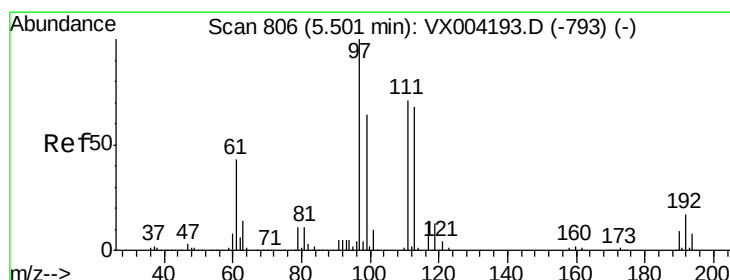
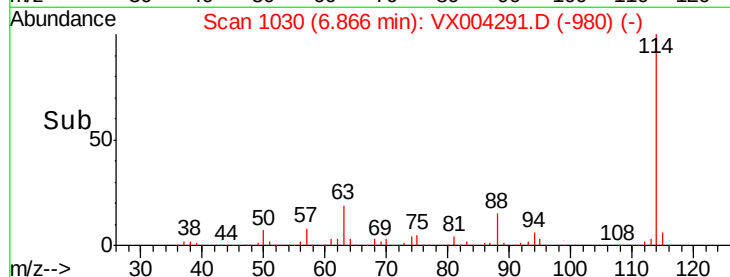
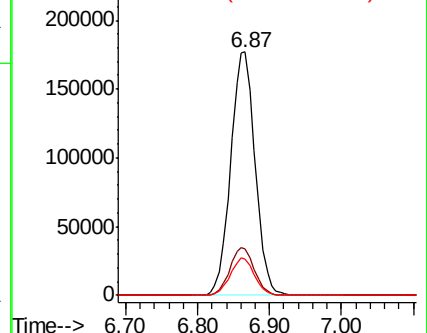
88 14.9 0.0 30.4



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: 52.95 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX004291.D

Acq: 29 Aug 2018 14:30

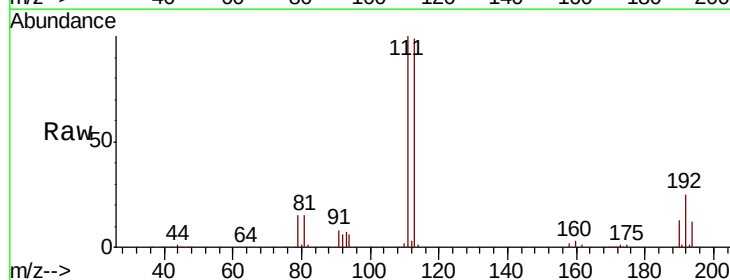
Tgt Ion:113 Resp: 164587

Ion Ratio Lower Upper

113 100

111 102.4 82.4 123.6

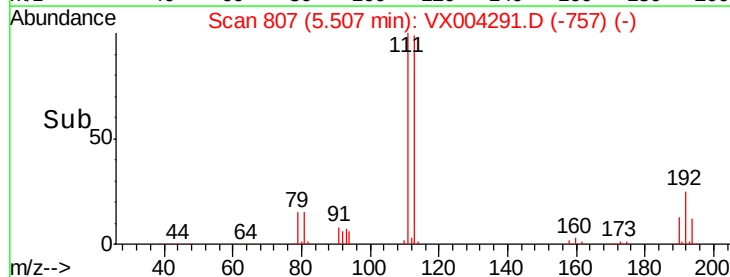
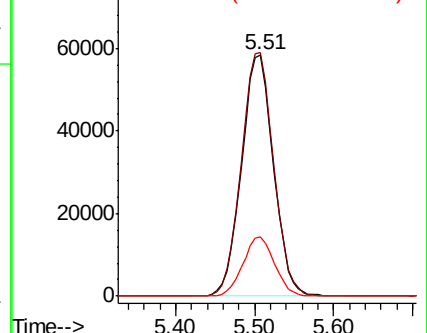
192 24.3 19.4 29.2

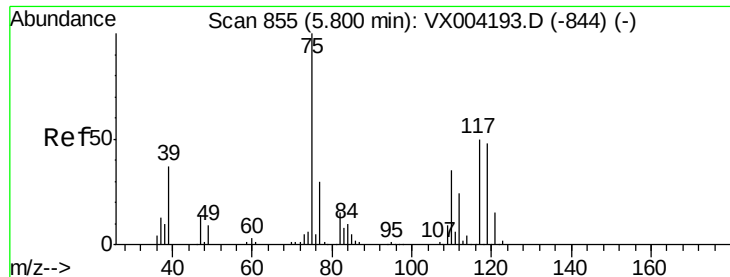


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

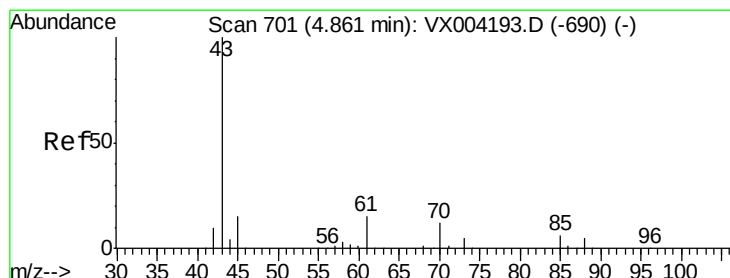
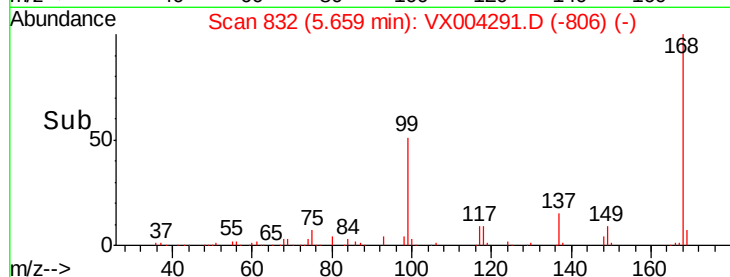
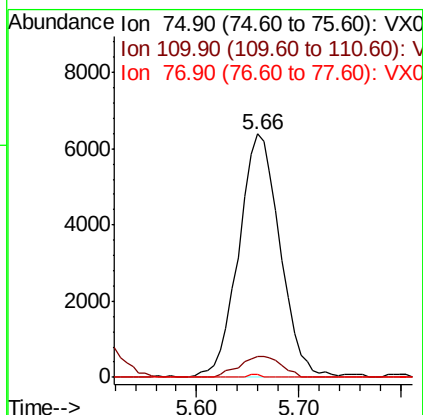
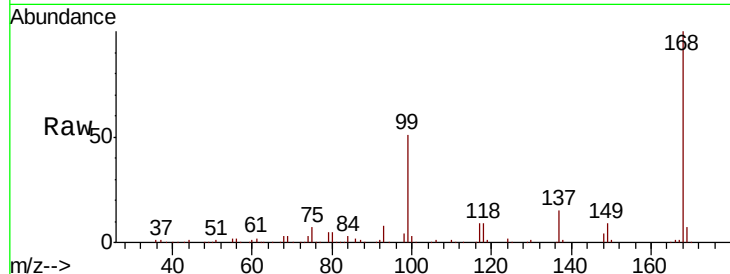




#36
 1,1-Dichloropropene
 Concen: 3.82 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.14 min
 Lab File: VX004291.D
 Acq: 29 Aug 2018 14:30

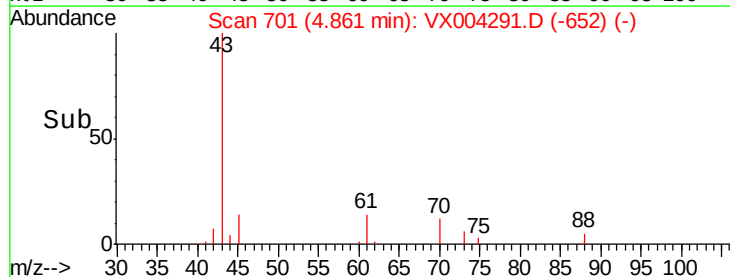
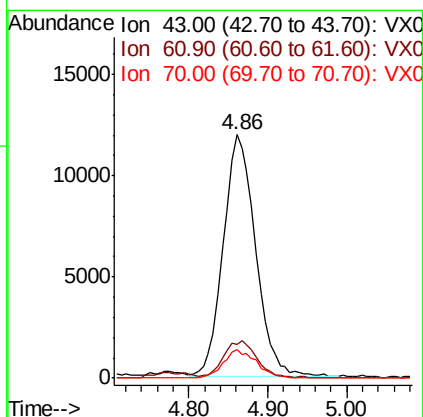
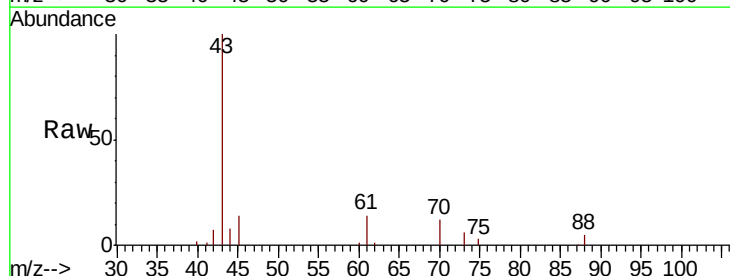
Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW02S-M12W4-082318

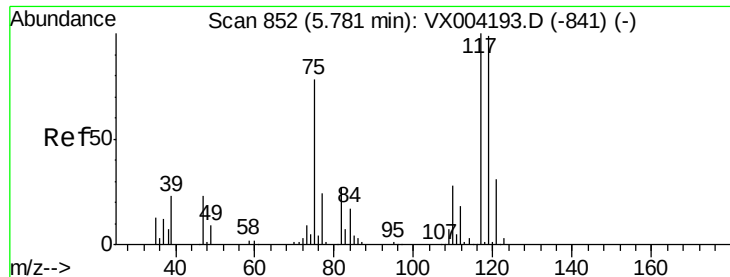
Tot Ion	75	Resp	17933
Ion Ratio	100	Lower	Upper
75	100		
110	8.7	18.0	54.0#
77	0.3	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 7.40 ug/l
 RT: 4.86 min Scan# 701
 Delta R.T. -0.00 min
 Lab File: VX004291.D
 Acq: 29 Aug 2018 14:30

Tgt Ion	43	Resp	34162
Ion Ratio	100	Lower	Upper
43	100		
61	15.9	11.5	17.3
70	11.8	9.0	13.6





#38

Carbon Tetrachloride

Concen: 5.29 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.12 min

Lab File: VX004291.D

Acq: 29 Aug 2018 14:30

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW02S-M12W4-082318

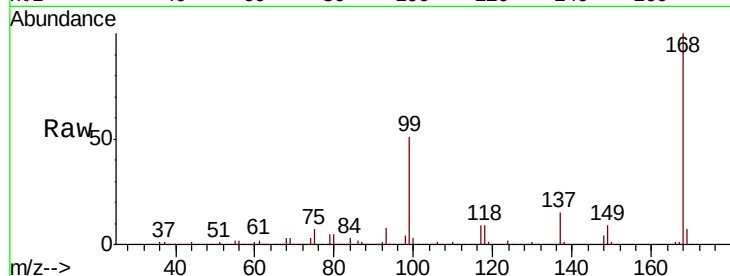
Tot Ion:117 Resp: 23359

Ion Ratio Lower Upper

117 100

119 7.4 78.8 118.2#

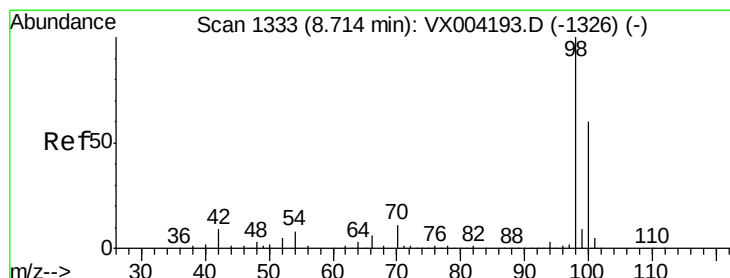
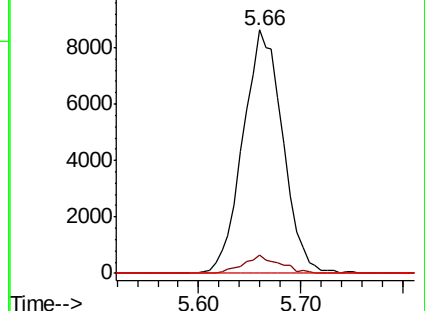
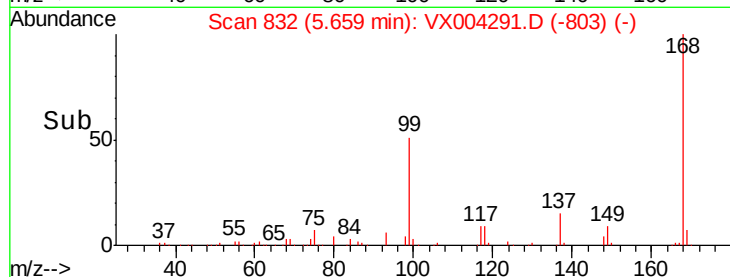
121 0.0 24.9 37.3#



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: 50.72 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. -0.00 min

Lab File: VX004291.D

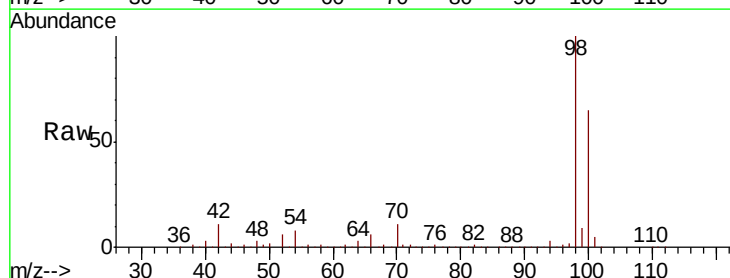
Acq: 29 Aug 2018 14:30

Tgt Ion: 98 Resp: 595071

Ion Ratio Lower Upper

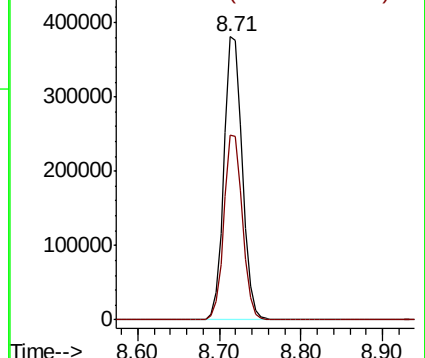
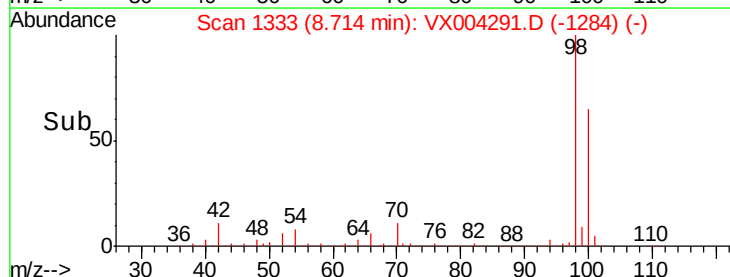
98 100

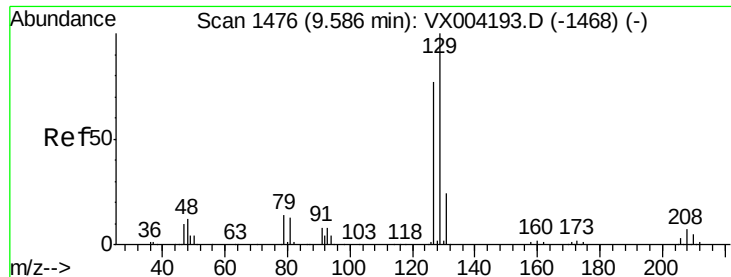
100 65.5 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

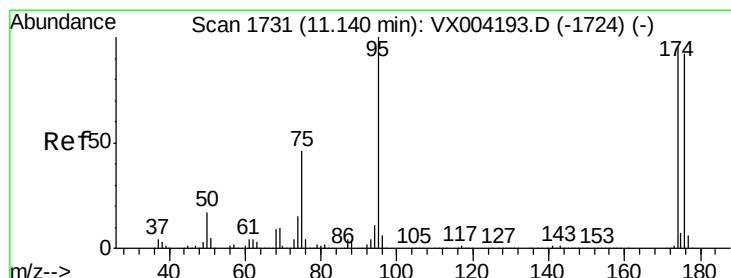
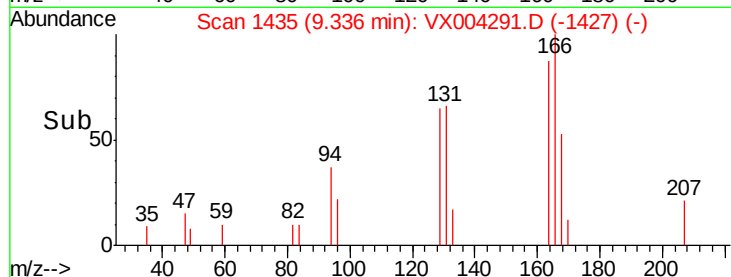
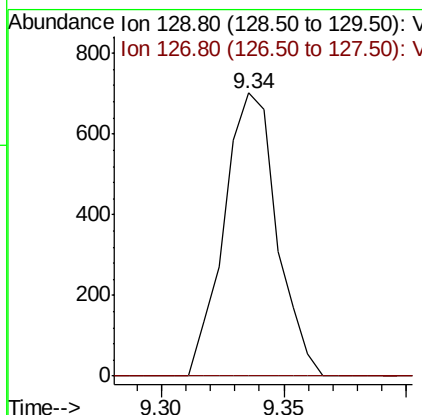
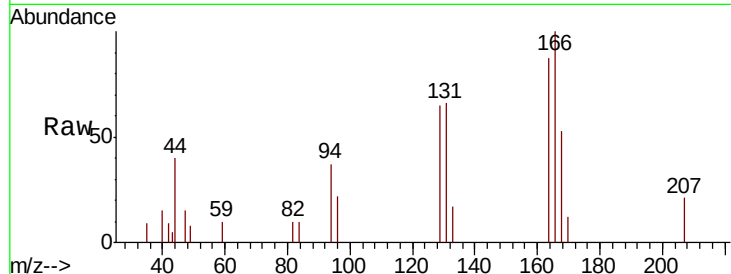




#60
 Dibromochloromethane
 Concen: 0.31 ug/l
 RT: 9.34 min Scan# 1435
 Delta R.T. -0.25 min
 Lab File: VX004291.D
 Acq: 29 Aug 2018 14:30

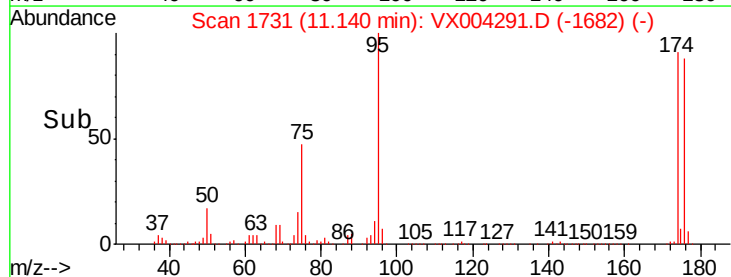
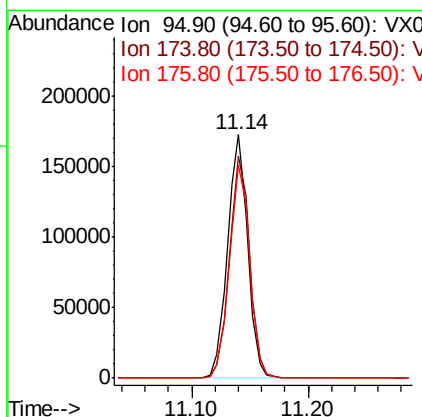
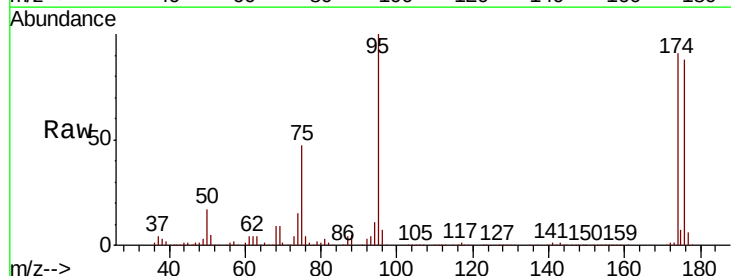
Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW02S-M12W4-082318

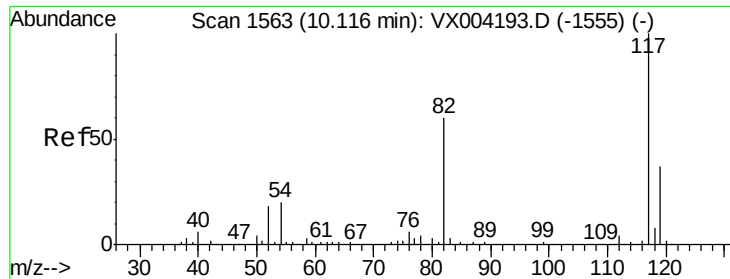
Tot Ion:129 Resp: 1056
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.5 115.5#



#62
 4-Bromofluorobenzene
 Concen: 47.20 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX004291.D
 Acq: 29 Aug 2018 14:30

Tgt Ion: 95 Resp: 206609
 Ion Ratio Lower Upper
 95 100
 174 92.6 0.0 185.2
 176 89.2 0.0 178.6

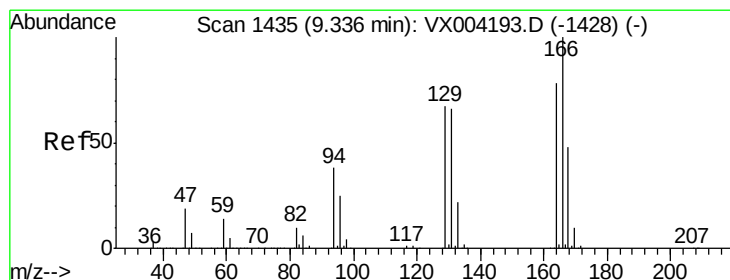
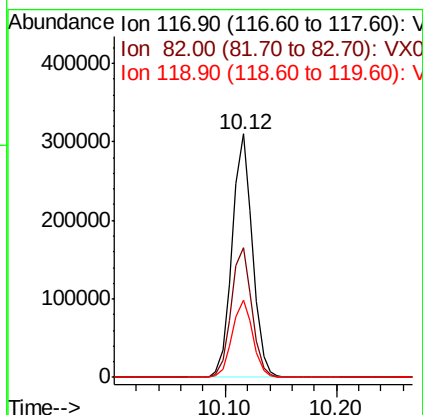
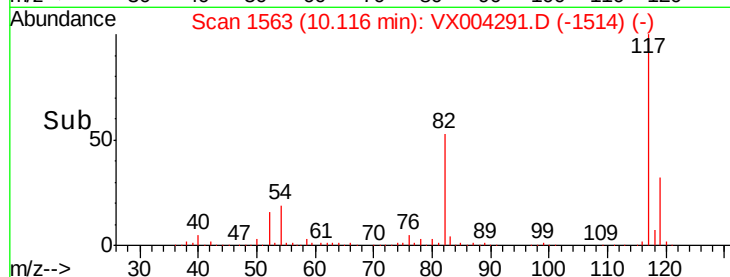
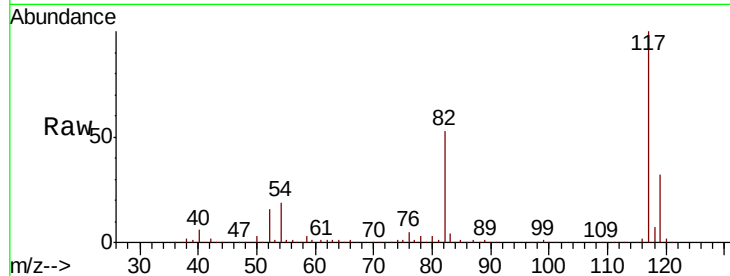




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004291.D
Acq: 29 Aug 2018 14:30

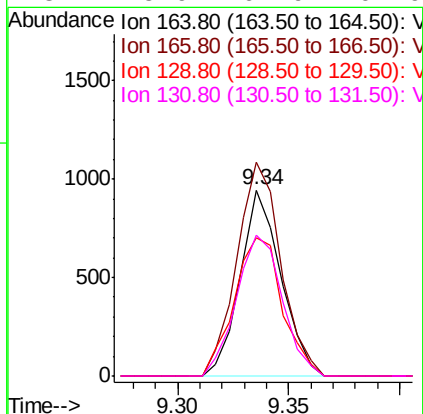
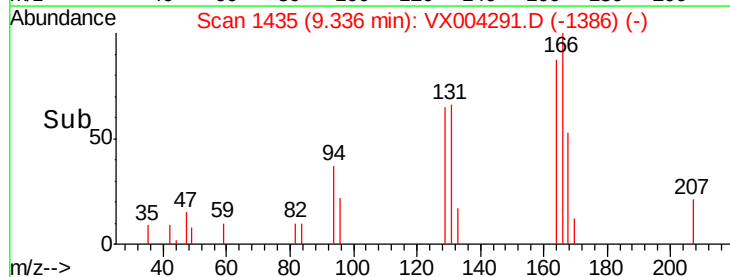
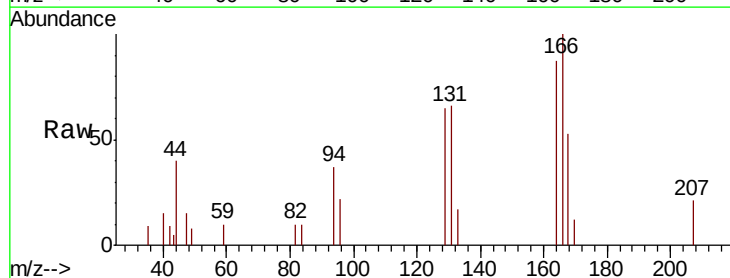
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW02S-M12W4-082318

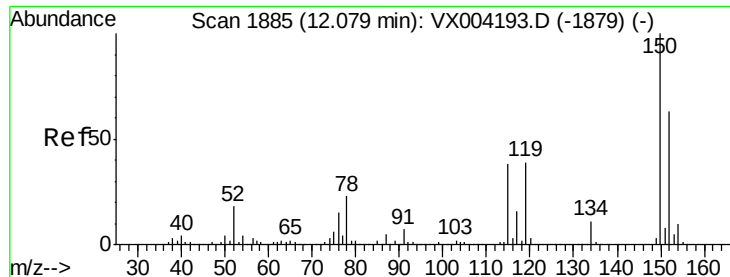
Tot Ion:117 Resp: 389842
Ion Ratio Lower Upper
117 100
82 53.3 47.8 71.6
119 31.9 29.3 43.9



#64
Tetrachloroethene
Concen: 0.31 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004291.D
Acq: 29 Aug 2018 14:30

Tgt Ion:164 Resp: 1210
Ion Ratio Lower Upper
164 100
166 114.7 102.8 154.2
129 74.2 69.4 104.0
131 75.9 67.9 101.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004291.D

Acq: 29 Aug 2018 14:30

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW02S-M12W4-082318

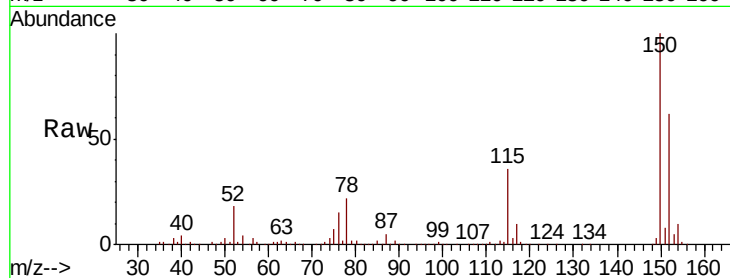
Tot Ion:152 Resp: 204459

Ion Ratio Lower Upper

152 100

115 56.1 39.0 117.0

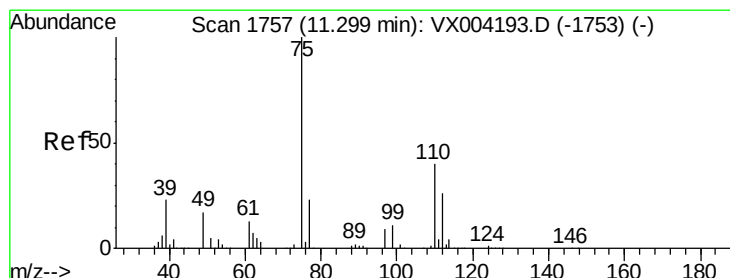
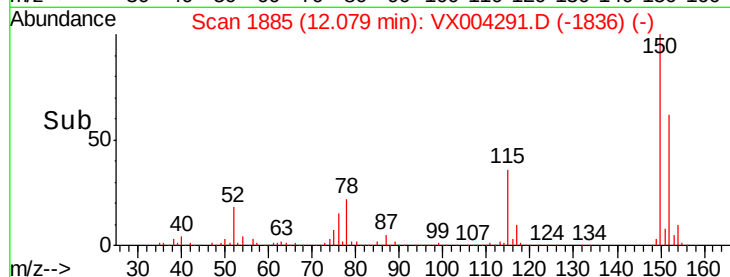
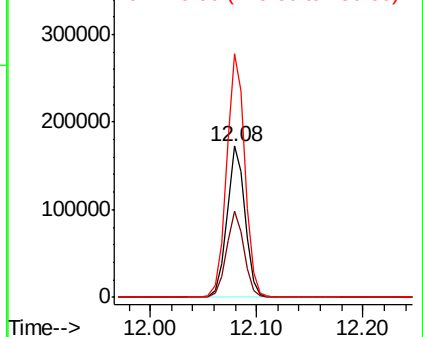
150 162.7 0.0 351.0



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: 23.59 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004291.D

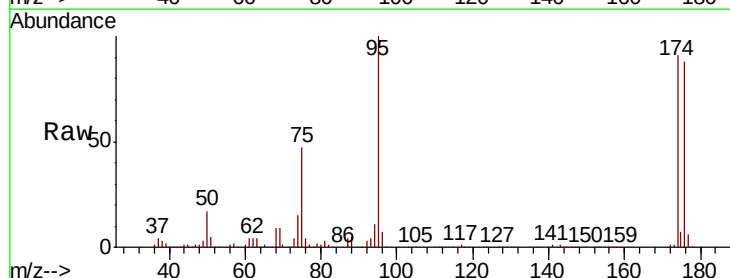
Acq: 29 Aug 2018 14:30

Tgt Ion: 75 Resp: 98100

Ion Ratio Lower Upper

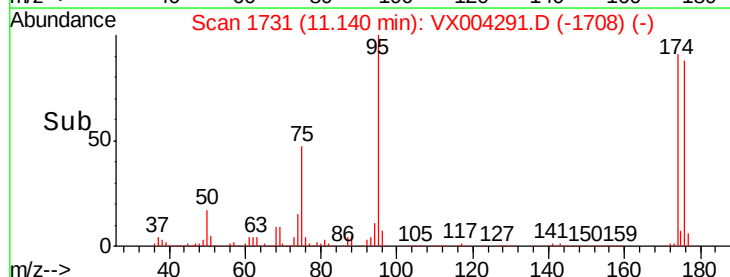
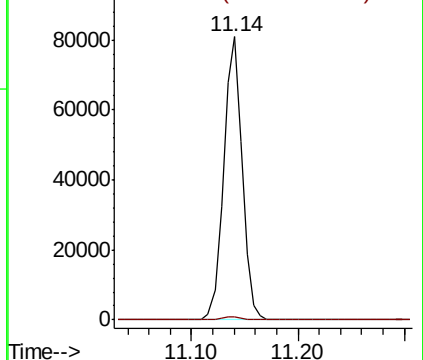
75 100

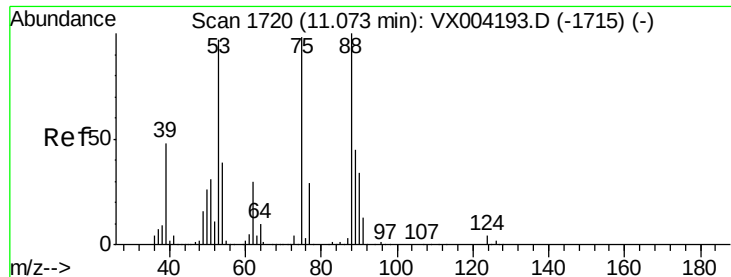
77 1.2 20.2 60.6#



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: 76.54 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.07 min

Lab File: VX004291.D

Acq: 29 Aug 2018 14:30

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW02S-M12W4-082318

Tot Ion: 75 Resp: 98100

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#

