

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX082918\
 Data File : VX004293.D
 Acq On : 29 Aug 2018 15:24
 Operator : JC/MD
 Sample : J4681-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW02D-M12W4-082318

Quant Time: Aug 30 02:08:58 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	5.66	168	271001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	421775	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	406486	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	211936	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	189712	53.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.42%	
35) Dibromofluoromethane	5.50	113	166429	53.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.08%	
50) Toluene-d8	8.71	98	596716	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
62) 4-Bromofluorobenzene	11.14	95	204297	46.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.46%	

Target Compounds

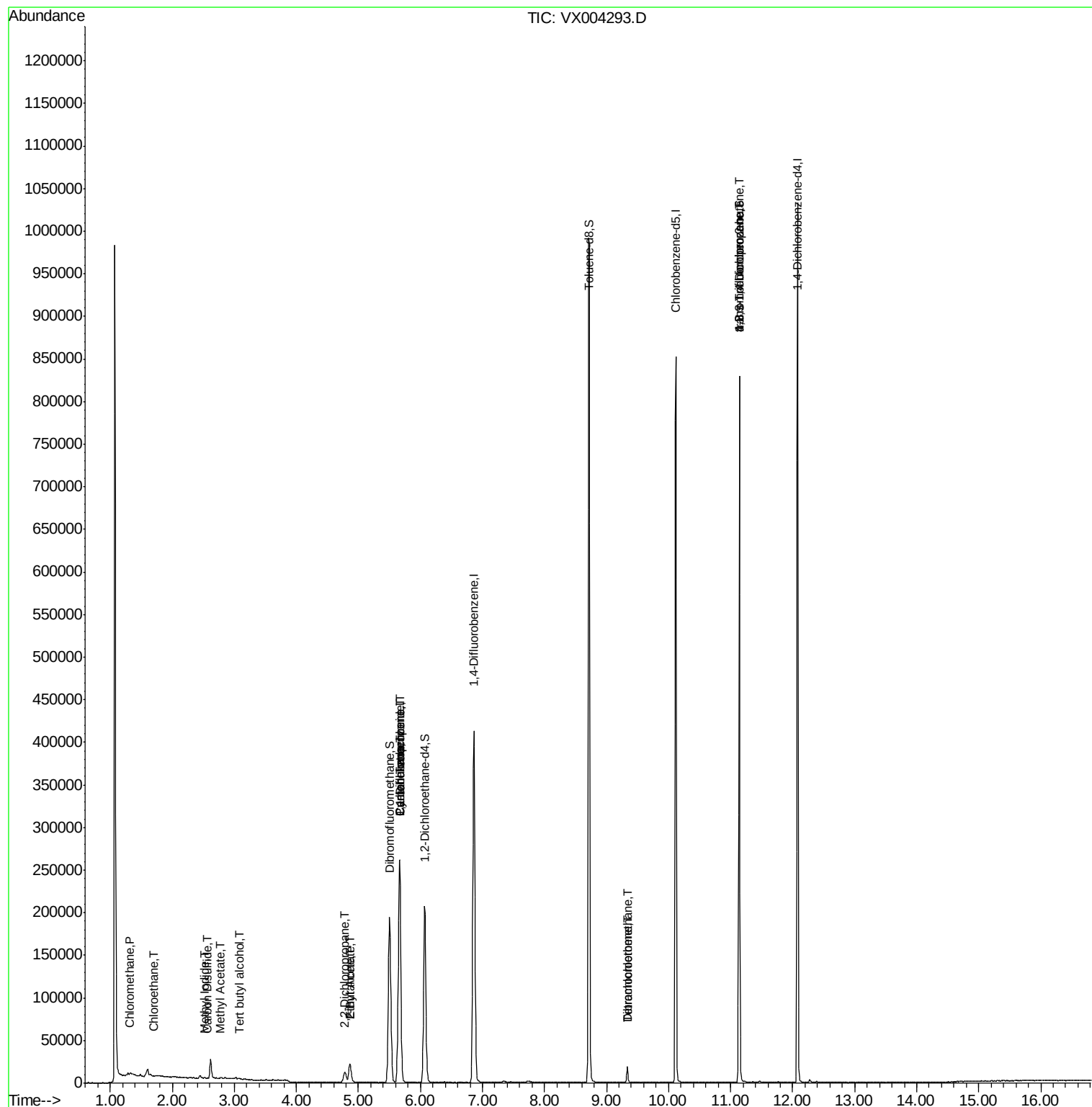
						Qvalue
3) Chloromethane	1.32	50	1287	0.66	ug/l	97
5) Bromomethane	1.64	94	1104	Below	Cal	98
6) Chloroethane	1.70	64	4251	2.45	ug/l #	45
10) Methyl Iodide	2.52	142	448	4.38	ug/l #	89
11) Tert butyl alcohol	3.07	59	1114	1.48	ug/l #	77
16) Acetone	2.44	43	3757	Below	Cal	96
17) Carbon Disulfide	2.56	76	460	0.85	ug/l #	84
18) Methyl Acetate	2.78	43	1164	0.22	ug/l	95
25) 2-Butanone	4.87	43	37266	13.05	ug/l #	47
26) 2,2-Dichloropropane	4.78	77	1186	0.26	ug/l #	52
31) Cyclohexane	5.67	56	4600	0.93	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	17902	3.78	ug/l #	50
37) Ethyl Acetate	4.87	43	37266	7.99	ug/l	97
38) Carbon Tetrachloride	5.66	117	23836	5.34	ug/l #	16
60) Dibromochloromethane	9.34	129	3235	0.93	ug/l #	11
64) Tetrachloroethene	9.34	164	3763	0.94	ug/l	96
76) 1,2,3-Trichloropropane	11.14	75	98427	22.83	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	98427	74.09	ug/l #	10
94) Hexachlorobutadiene	13.78	225	49	Below	Cal #	20

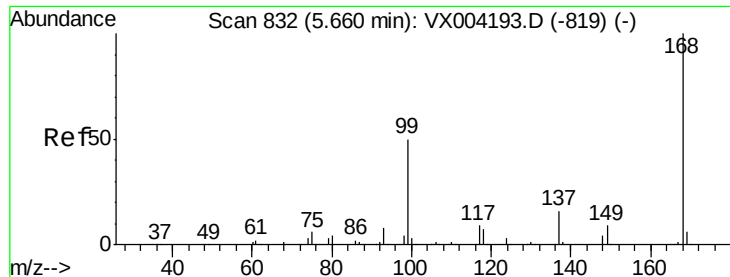
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX004293.D

Acq: 29 Aug 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

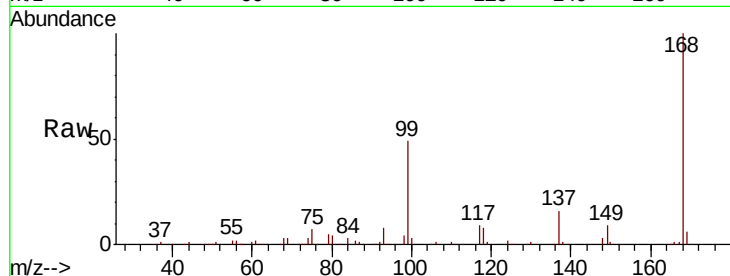
CPA-CPMW02D-M12W4-082318

Tot Ion:168 Resp: 271001

Ion Ratio Lower Upper

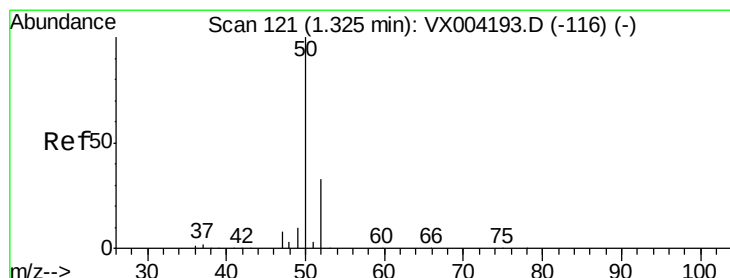
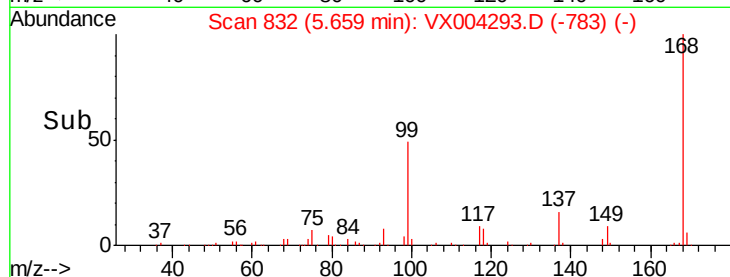
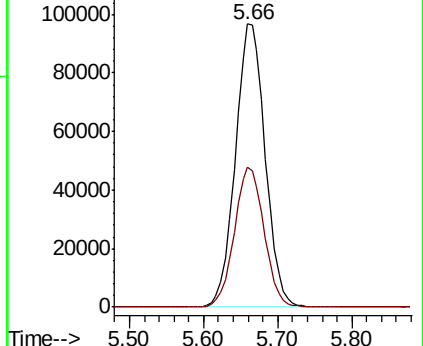
168 100

99 49.5 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: 0.66 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004293.D

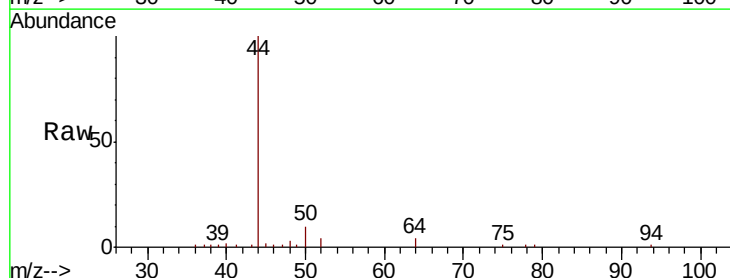
Acq: 29 Aug 2018 15:24

Tgt Ion: 50 Resp: 1287

Ion Ratio Lower Upper

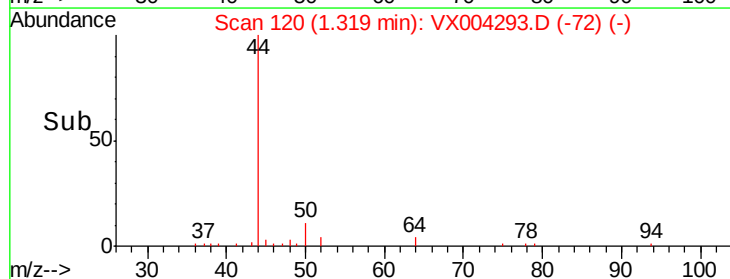
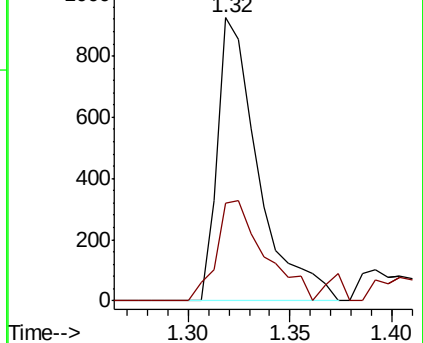
50 100

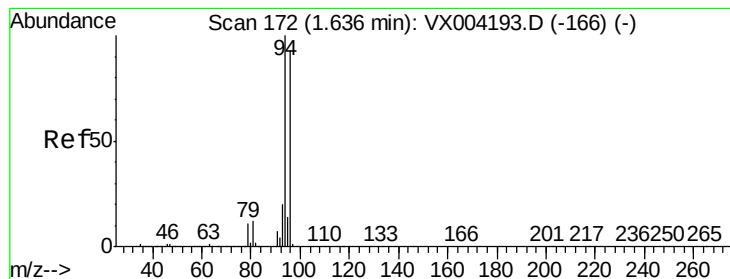
52 34.6 26.2 39.2



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: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX004293.D

Acq: 29 Aug 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

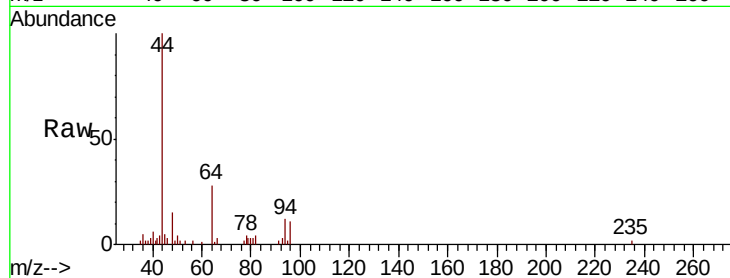
CPA-CPMW02D-M12W4-082318

Tot Ion: 94 Resp: 1104

Ion Ratio Lower Upper

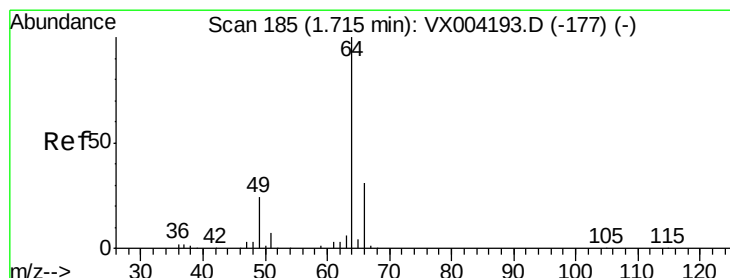
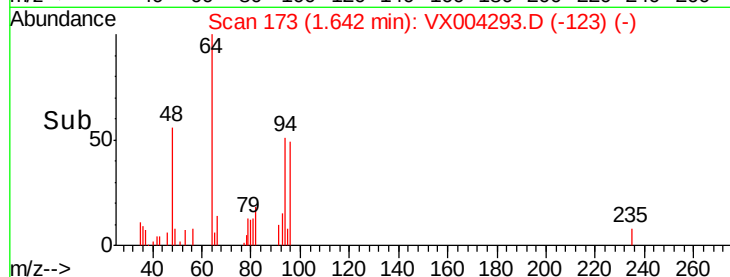
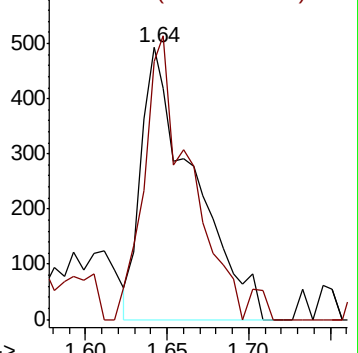
94 100

96 94.7 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 2.45 ug/l

RT: 1.70 min Scan# 183

Delta R.T. -0.01 min

Lab File: VX004293.D

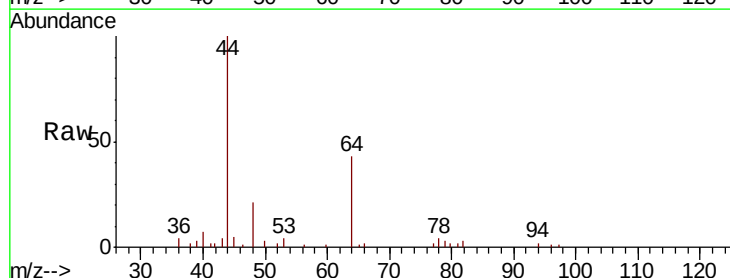
Acq: 29 Aug 2018 15:24

Tgt Ion: 64 Resp: 4251

Ion Ratio Lower Upper

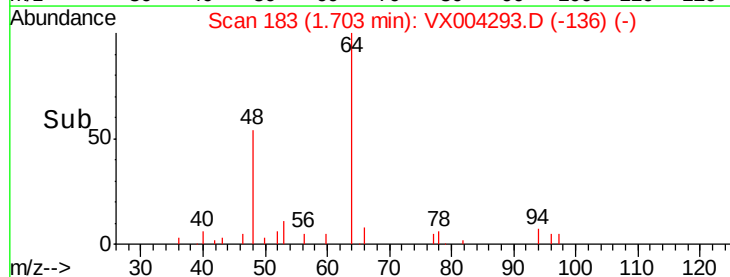
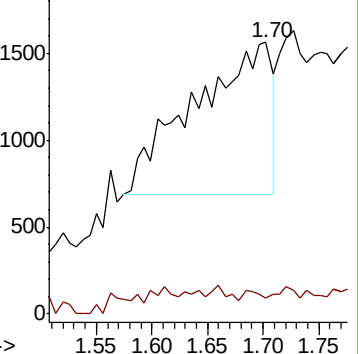
64 100

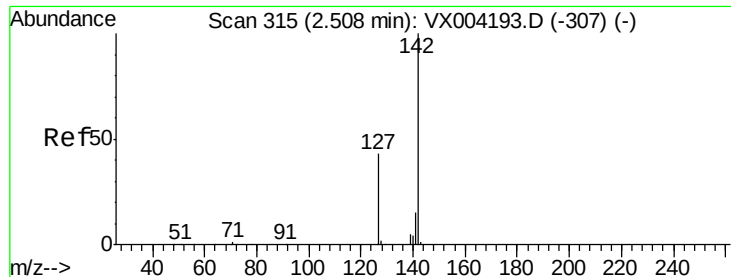
66 0.3 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

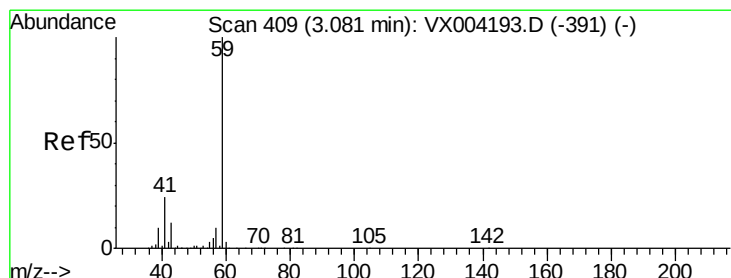
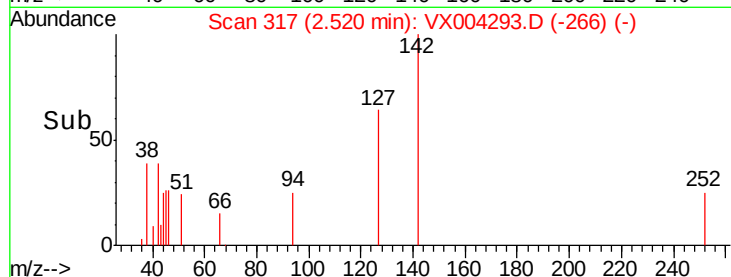
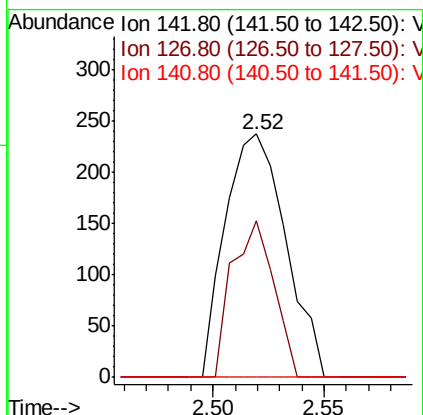
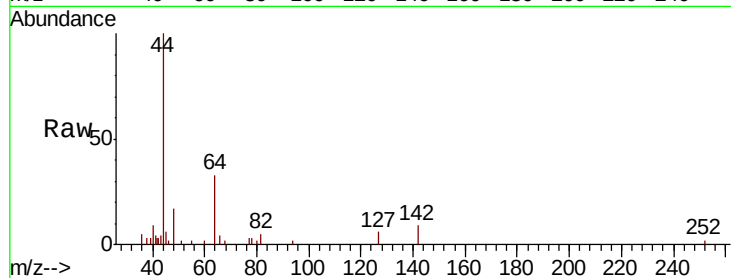




#10
Methyl Iodide
Concen: 4.38 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX004293.D
Acq: 29 Aug 2018 15:24

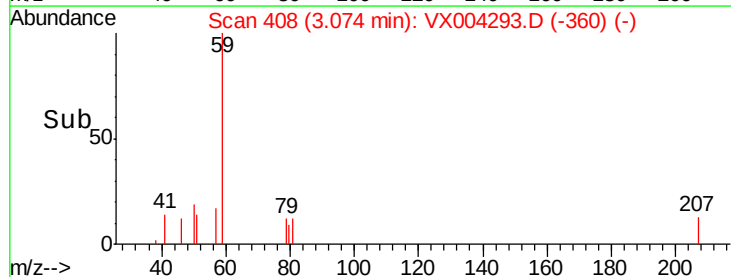
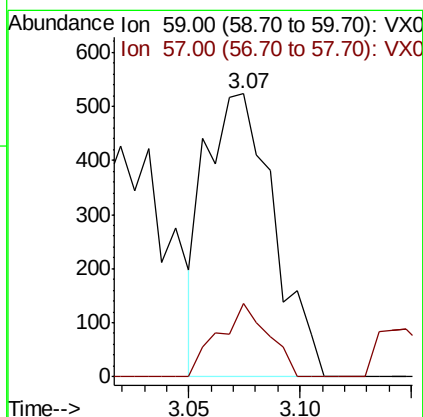
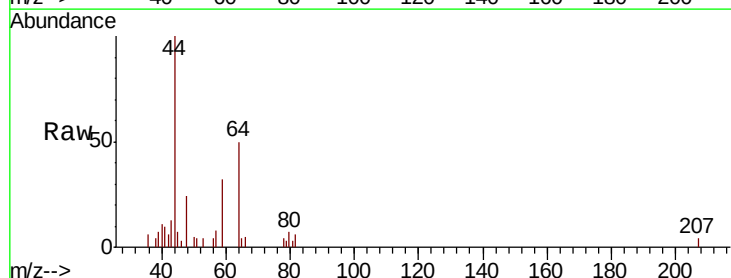
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW02D-M12W4-082318

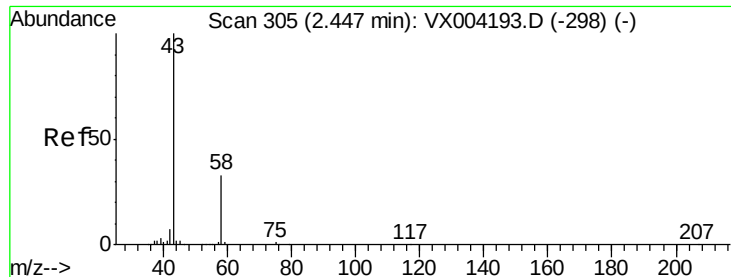
Tot Ion:142 Resp: 448
Ion Ratio Lower Upper
142 100
127 44.4 33.8 50.6
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 1.48 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX004293.D
Acq: 29 Aug 2018 15:24

Tgt Ion: 59 Resp: 1114
Ion Ratio Lower Upper
59 100
57 18.9 8.2 12.4#





#16

Acetone

Concen: Below Cal

RT: 2.44 min Scan# 304

Delta R.T. -0.01 min

Lab File: VX004293.D

Acq: 29 Aug 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

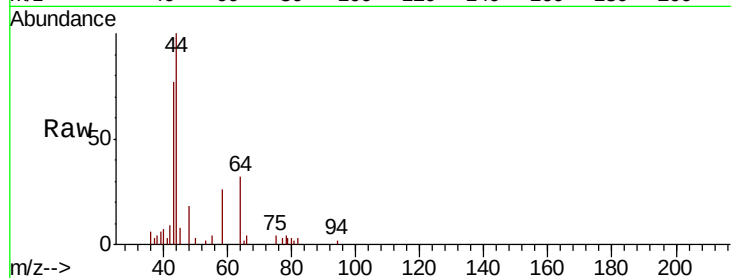
CPA-CPMW02D-M12W4-082318

Tot Ion: 43 Resp: 3757

Ion Ratio Lower Upper

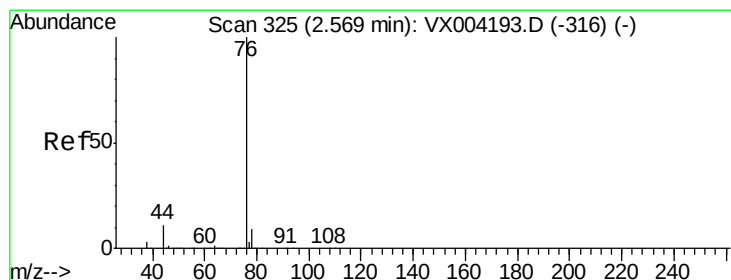
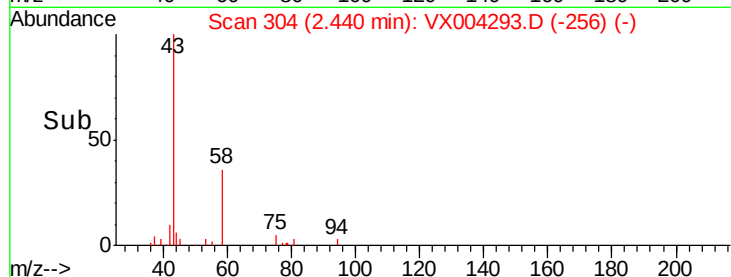
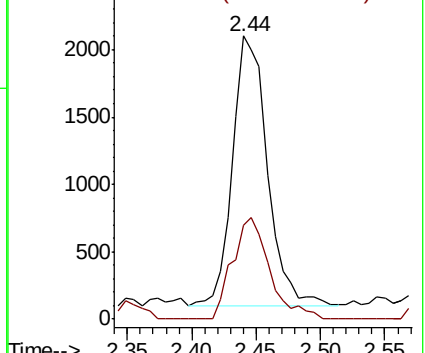
43 100

58 34.8 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.85 ug/l

RT: 2.56 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX004293.D

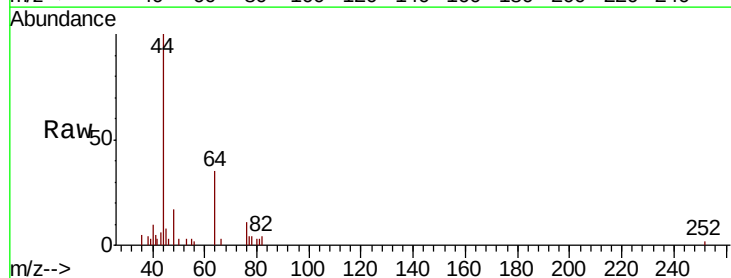
Acq: 29 Aug 2018 15:24

Tgt Ion: 76 Resp: 460

Ion Ratio Lower Upper

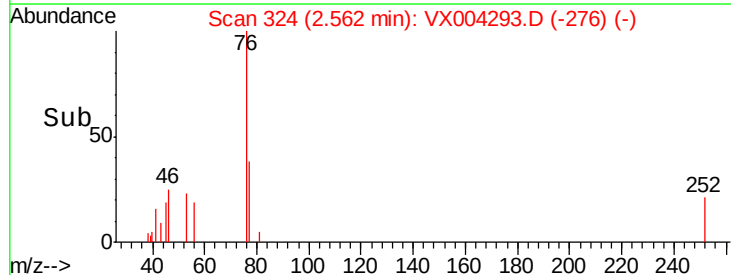
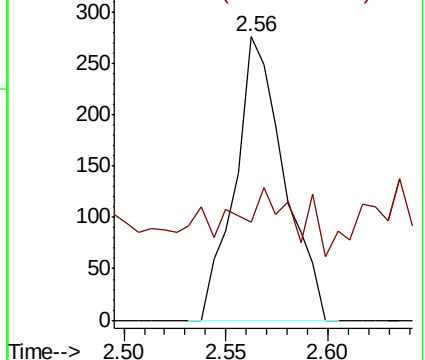
76 100

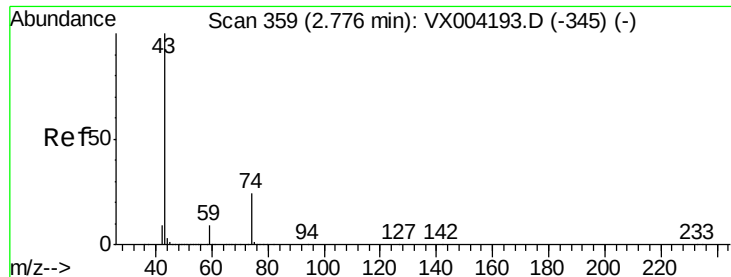
78 2.9 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

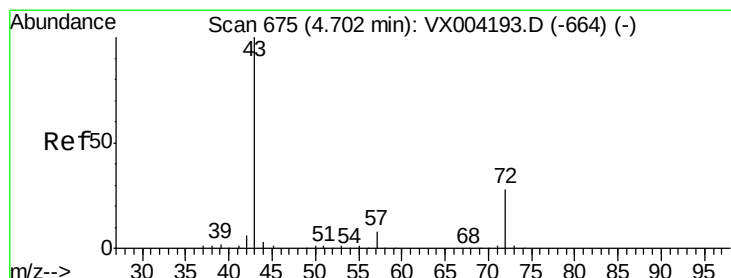
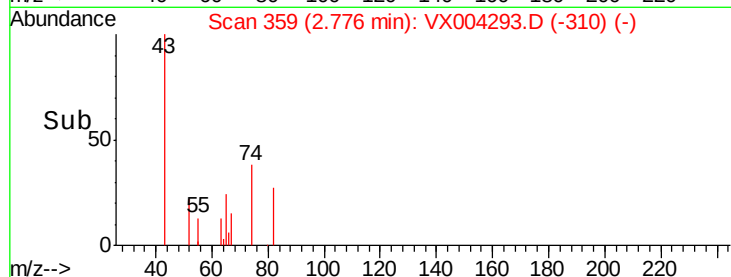
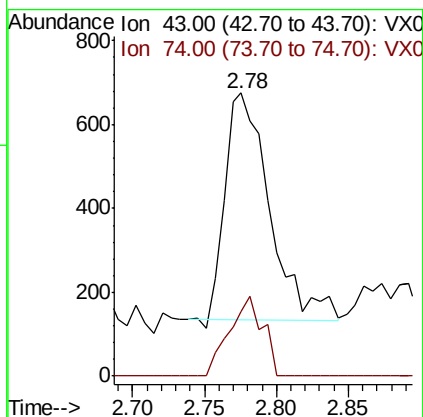
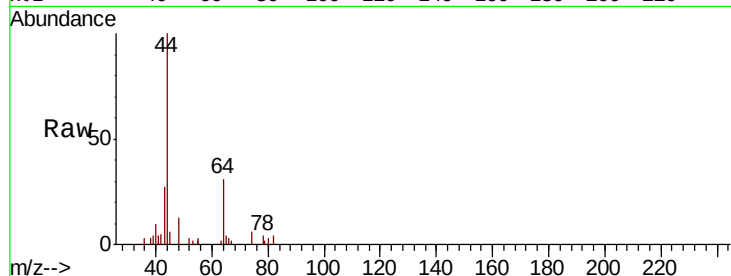




#18
Methvl Acetate
Concen: 0.22 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.00 min
Lab File: VX004293.D
Acq: 29 Aug 2018 15:24

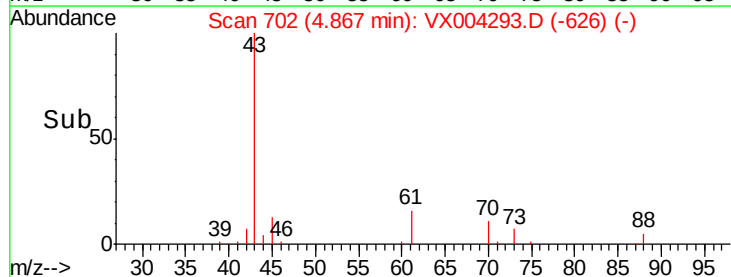
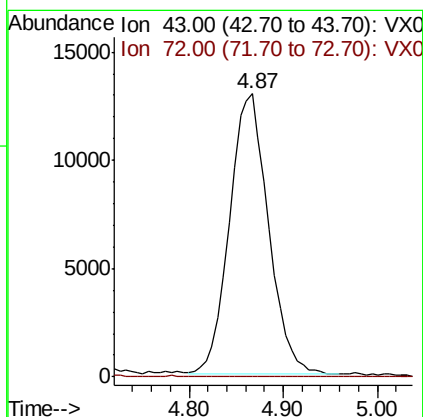
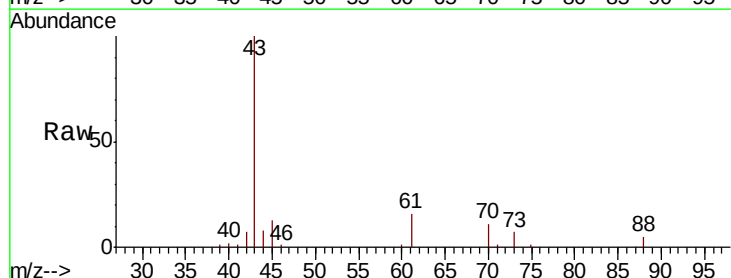
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW02D-M12W4-082318

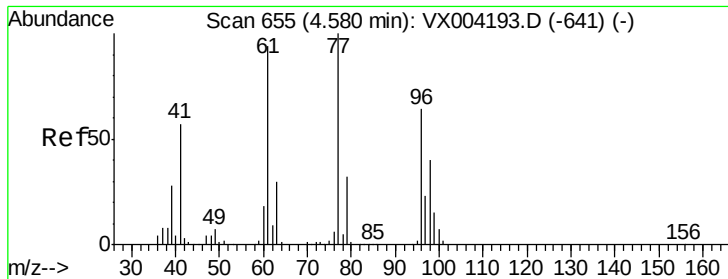
Tot Ion: 43 Resp: 1164
Ion Ratio Lower Upper
43 100
74 26.5 19.4 29.2



#25
2-Butanone
Concen: 13.05 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.16 min
Lab File: VX004293.D
Acq: 29 Aug 2018 15:24

Tgt Ion: 43 Resp: 37266
Ion Ratio Lower Upper
43 100
72 0.0 22.0 33.0#





#26

2,2-Dichloropropane

Concen: 0.26 ug/l

RT: 4.78 min Scan# 688

Delta R.T. 0.20 min

Lab File: VX004293.D

Acq: 29 Aug 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

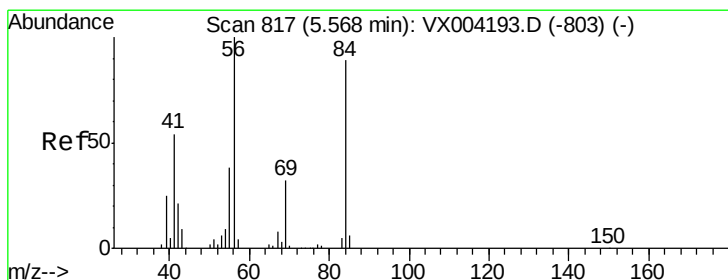
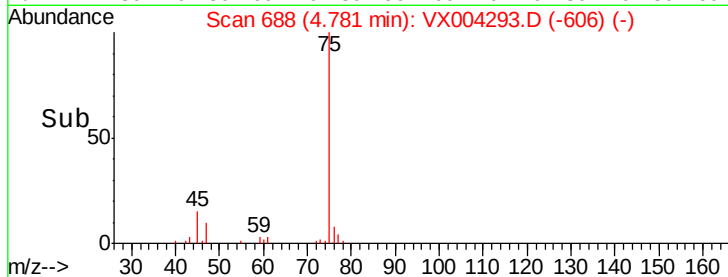
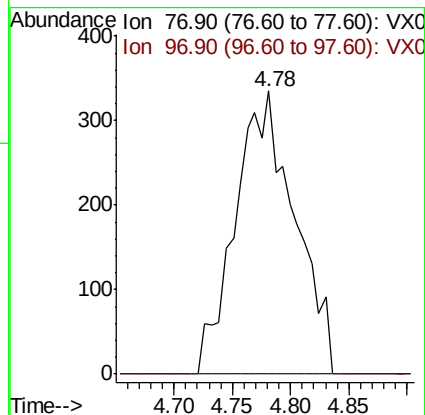
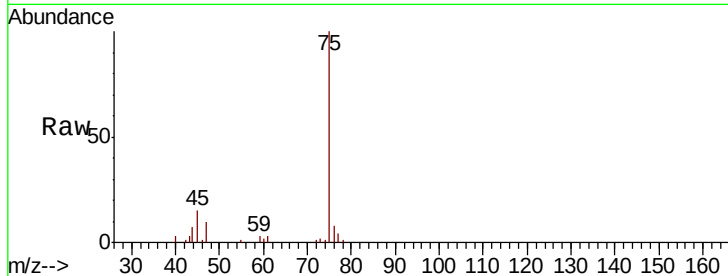
CPA-CPMW02D-M12W4-082318

Tot Ion: 77 Resp: 1186

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#



#31

Cyclohexane

Concen: 0.93 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.10 min

Lab File: VX004293.D

Acq: 29 Aug 2018 15:24

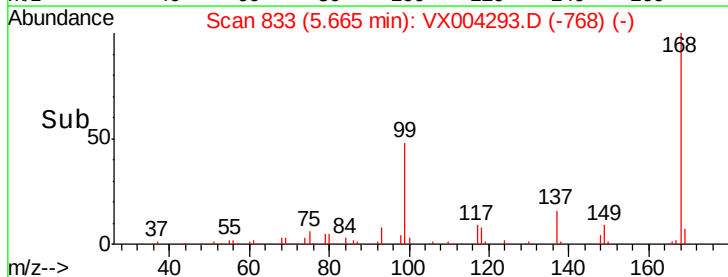
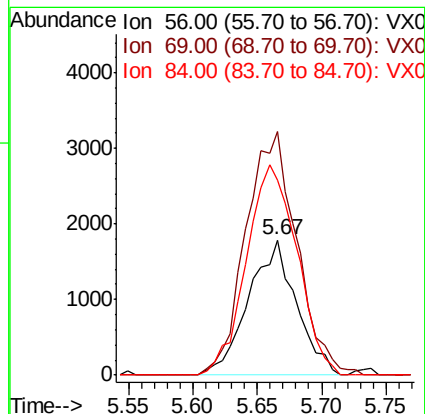
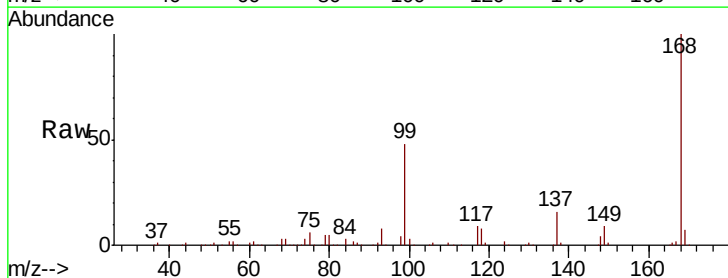
Tgt Ion: 56 Resp: 4600

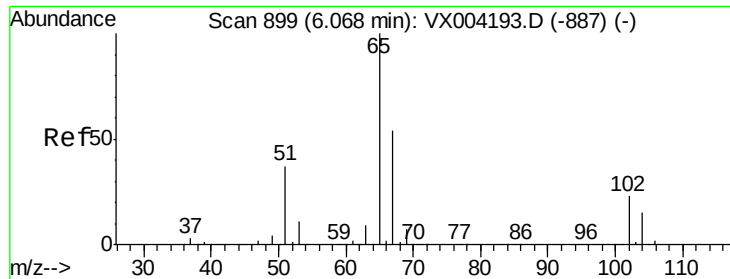
Ion Ratio Lower Upper

56 100

69 180.6 25.4 38.2#

84 144.2 71.4 107.2#

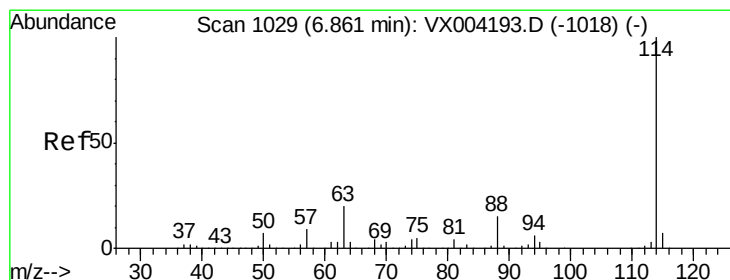
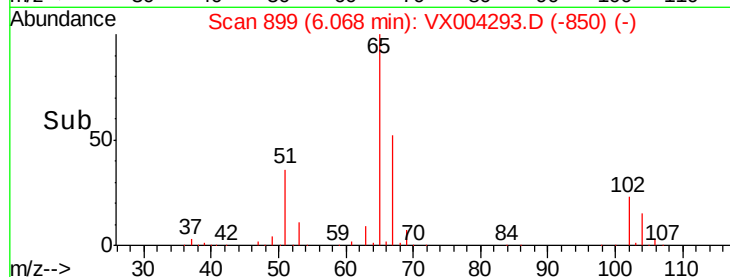
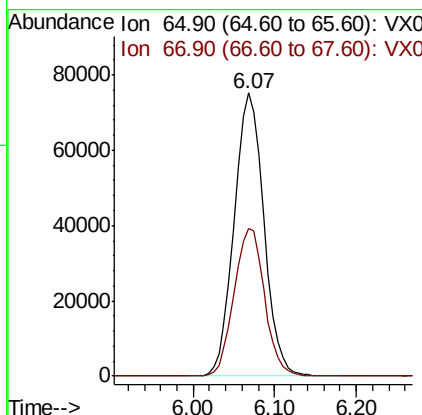
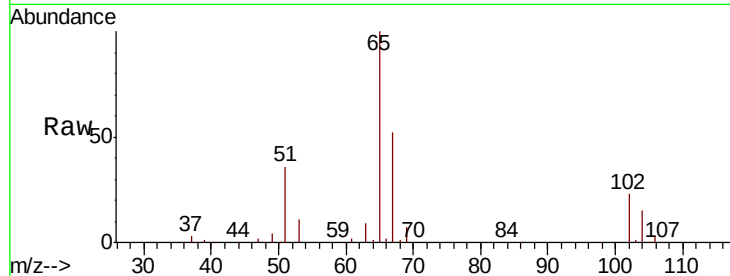




#33
 1,2-Dichloroethane-d4
 Concen: 53.71 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004293.D
 Acq: 29 Aug 2018 15:24

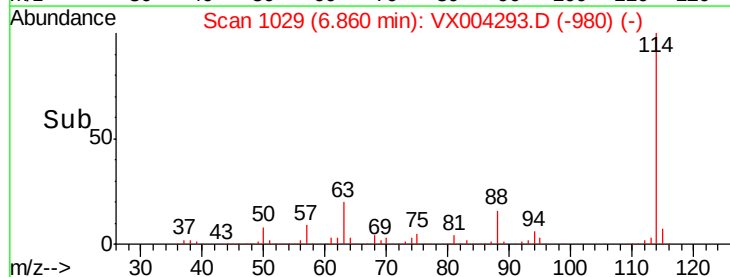
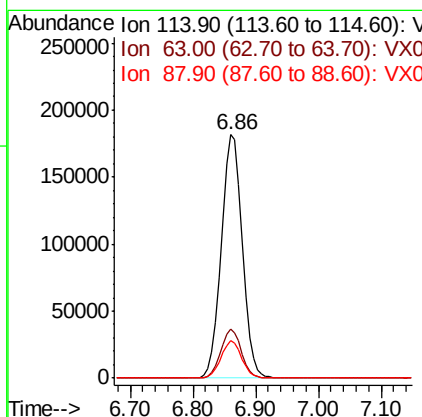
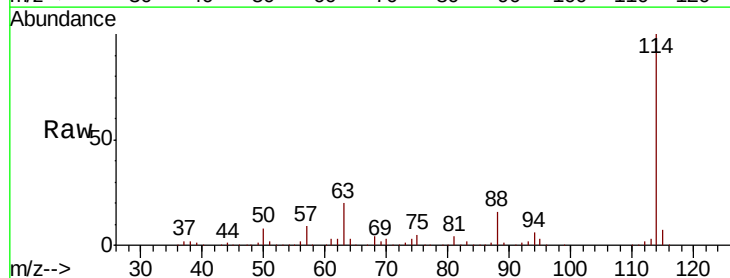
Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW02D-M12W4-082318

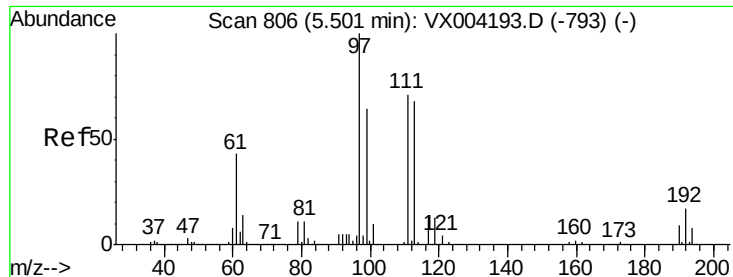
Tot Ion: 65 Resp: 189712
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004293.D
 Acq: 29 Aug 2018 15:24

Tgt Ion: 114 Resp: 421775
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.0
 88 15.7 0.0 30.4

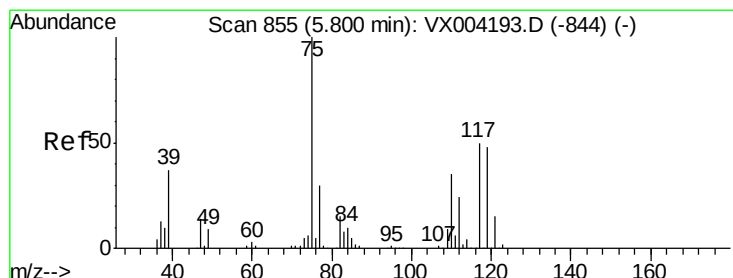
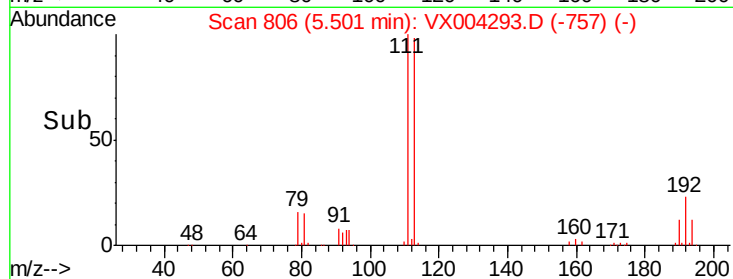
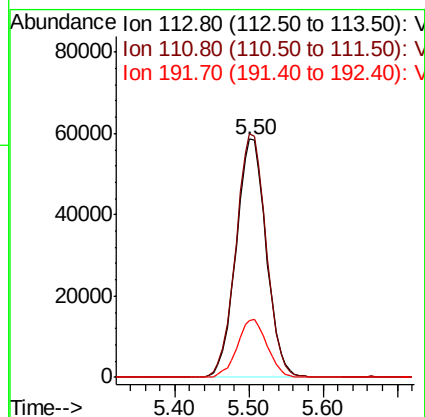
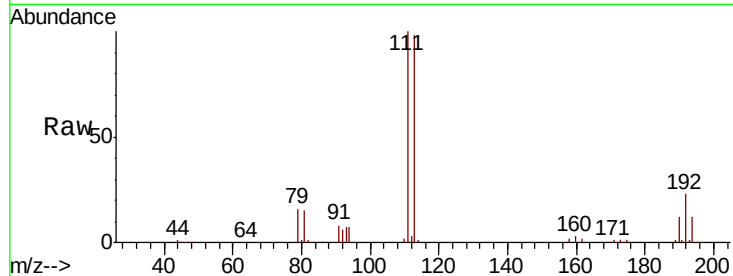




#35
 Dibromofluoromethane
 Concen: 53.04 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004293.D
 Acq: 29 Aug 2018 15:24

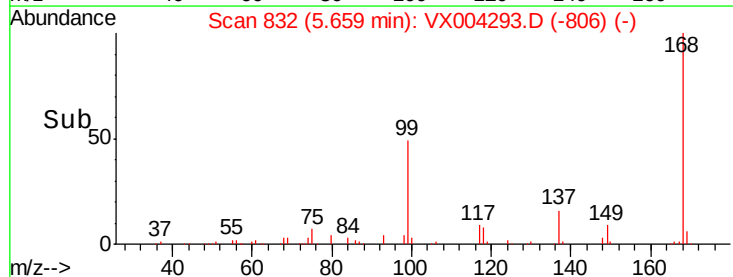
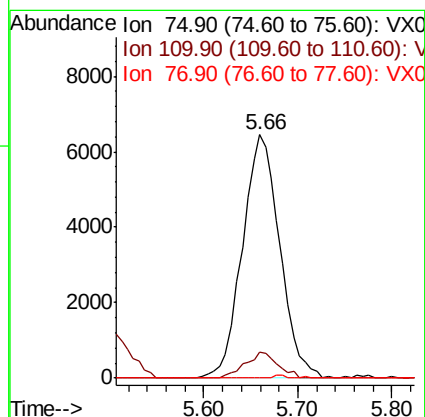
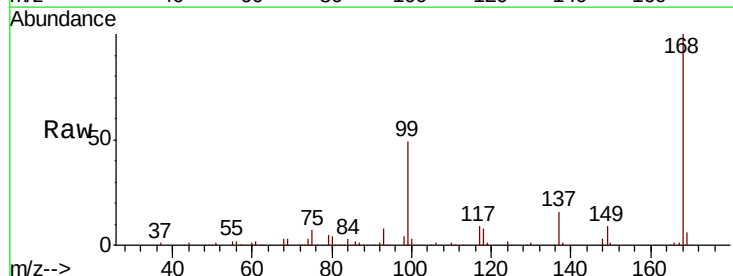
Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW02D-M12W4-082318

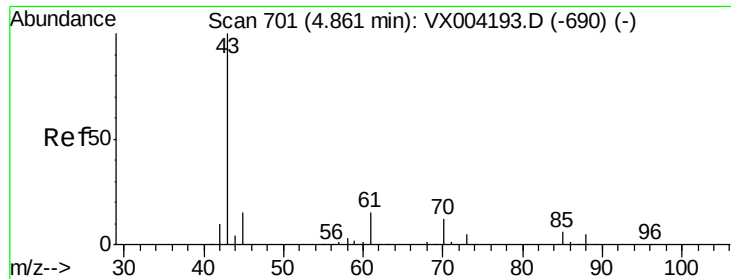
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.4	123.6
192	24.2	19.4	29.2



#36
 1,1-Dichloropropene
 Concen: 3.78 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.14 min
 Lab File: VX004293.D
 Acq: 29 Aug 2018 15:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.0	54.0#
77	0.0	24.6	36.8#

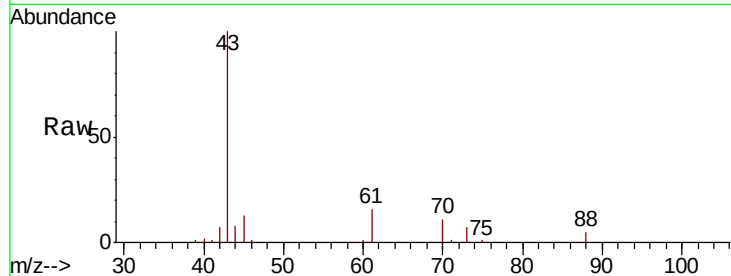




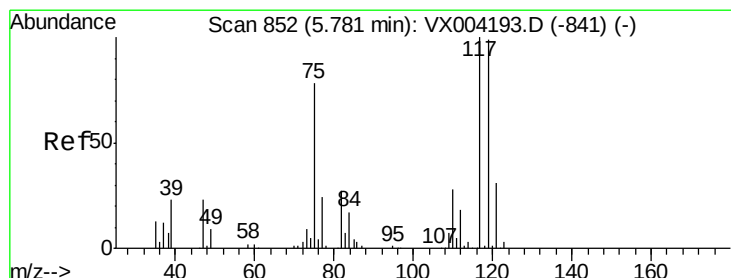
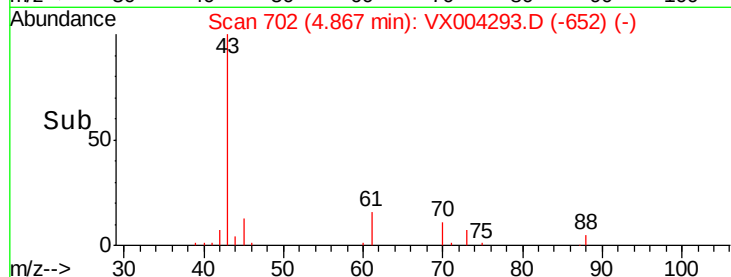
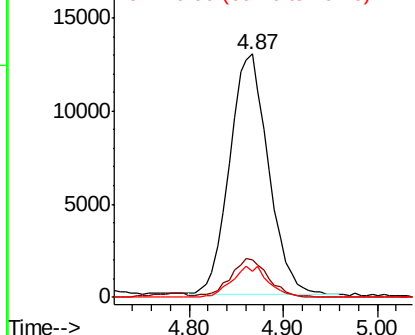
#37
Ethyl Acetate
Concen: 7.99 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.01 min
Lab File: VX004293.D
Acq: 29 Aug 2018 15:24

Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW02D-M12W4-082318

Tot Ion: 43 Resp: 37266
Ion Ratio Lower Upper
43 100
61 15.7 11.5 17.3
70 12.1 9.0 13.6

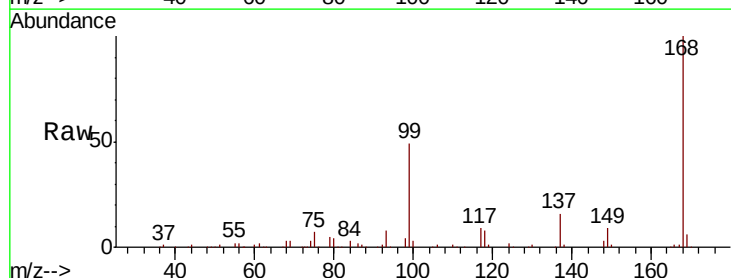


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

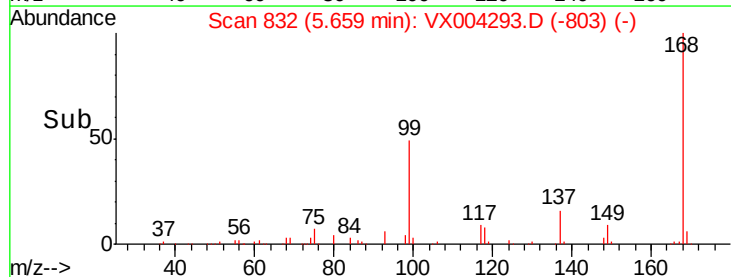
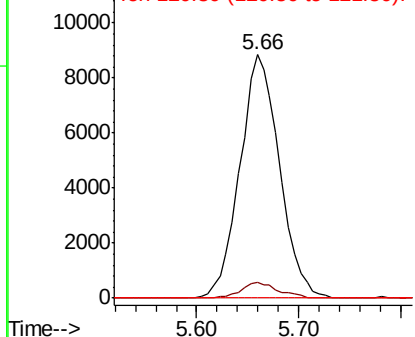


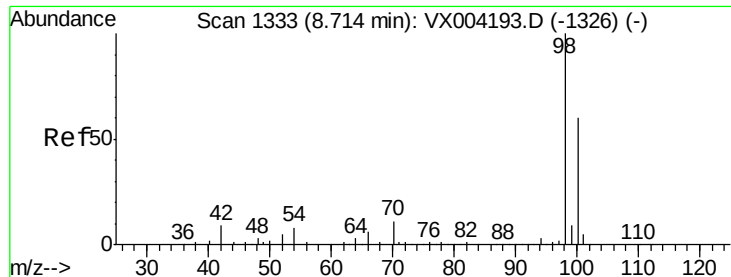
#38
Carbon Tetrachloride
Concen: 5.34 ug/l
RT: 5.66 min Scan# 832
Delta R.T. -0.12 min
Lab File: VX004293.D
Acq: 29 Aug 2018 15:24

Tgt Ion: 117 Resp: 23836
Ion Ratio Lower Upper
117 100
119 6.3 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: 50.38 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. -0.00 min

Lab File: VX004293.D

Acq: 29 Aug 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

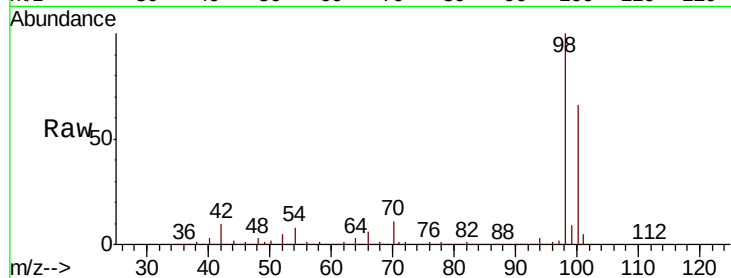
CPA-CPMW02D-M12W4-082318

Tot Ion: 98 Resp: 596716

Ion Ratio Lower Upper

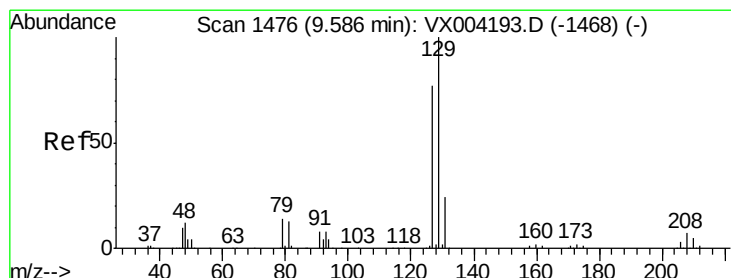
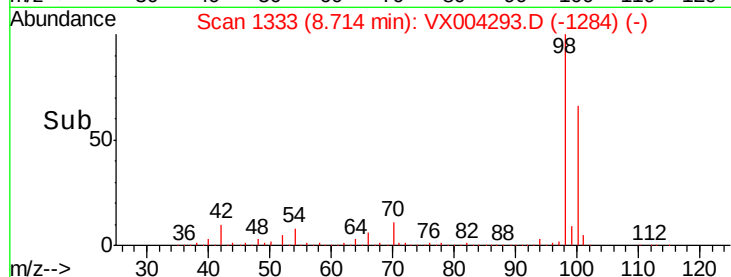
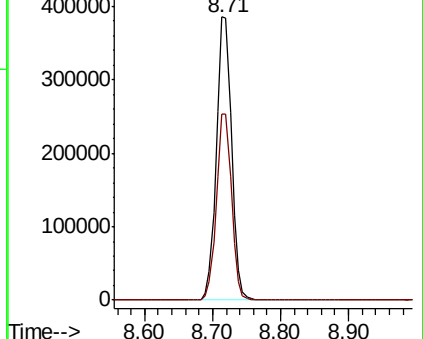
98 100

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: 0.93 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.25 min

Lab File: VX004293.D

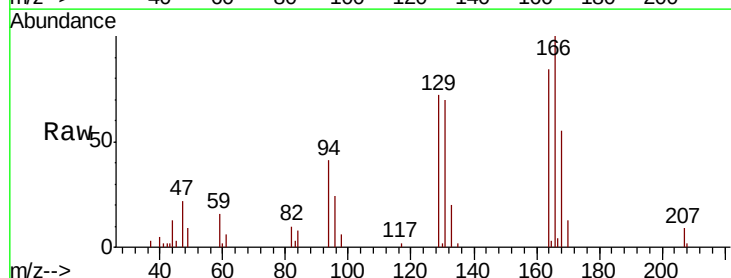
Acq: 29 Aug 2018 15:24

Tgt Ion:129 Resp: 3235

Ion Ratio Lower Upper

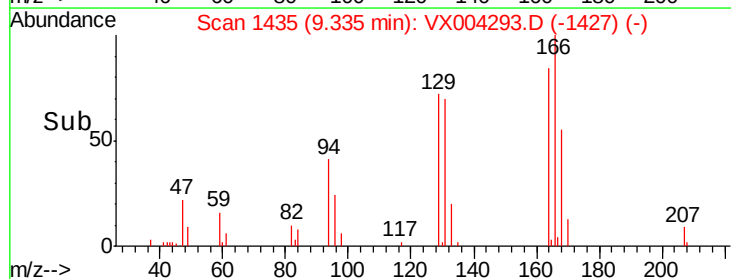
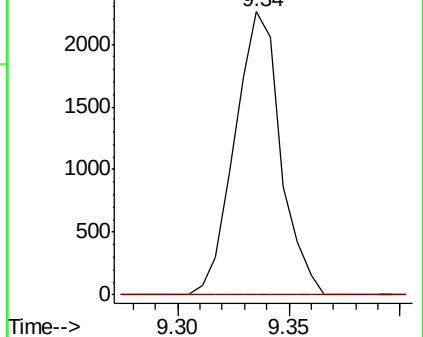
129 100

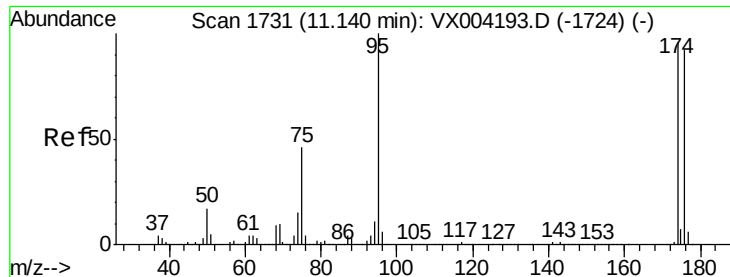
127 0.0 38.5 115.5#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 46.23 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004293.D

Acq: 29 Aug 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW02D-M12W4-082318

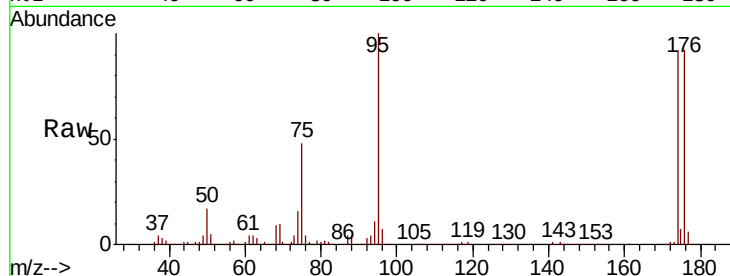
Tot Ion: 95 Resp: 204297

Ion Ratio Lower Upper

95 100

174 92.9 0.0 185.2

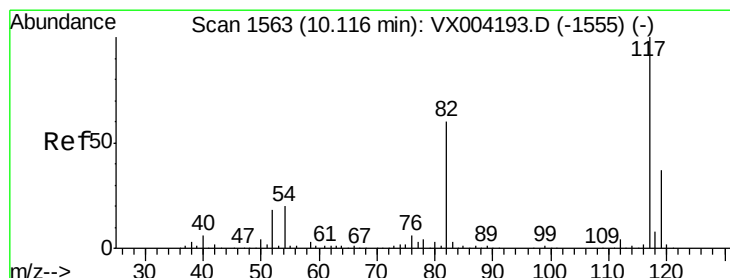
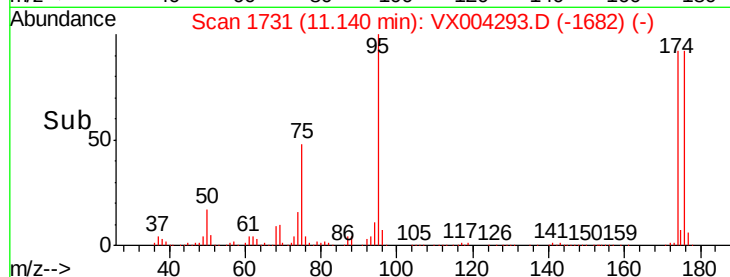
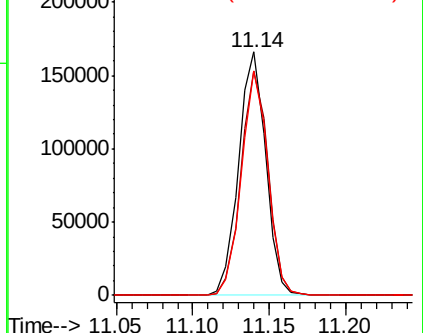
176 90.2 0.0 178.6



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: VX004293.D

Acq: 29 Aug 2018 15:24

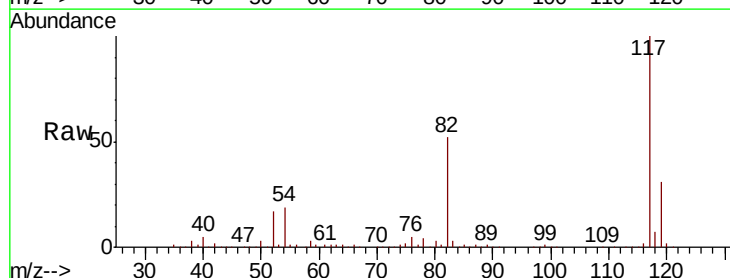
Tgt Ion: 117 Resp: 406486

Ion Ratio Lower Upper

117 100

82 52.0 47.8 71.6

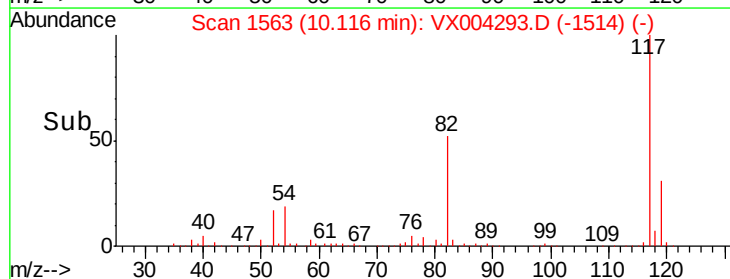
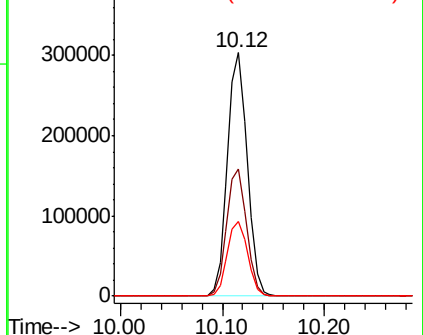
119 30.7 29.3 43.9

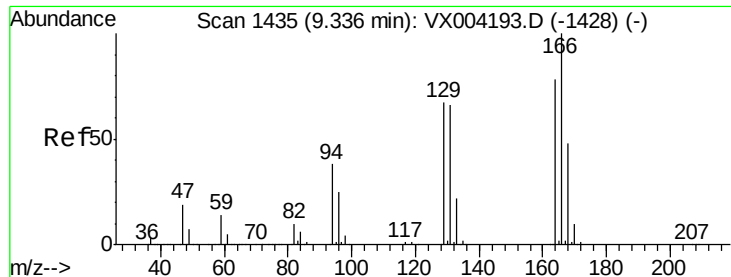


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

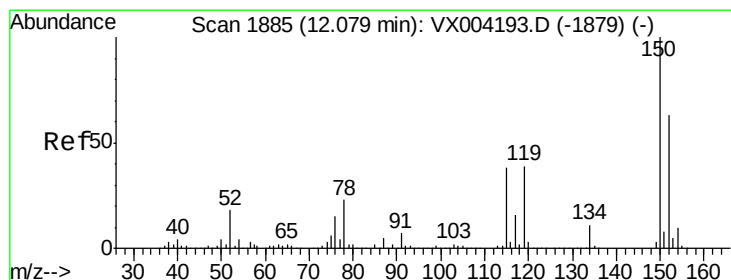
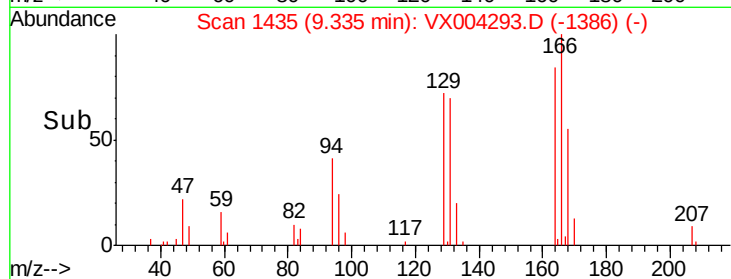
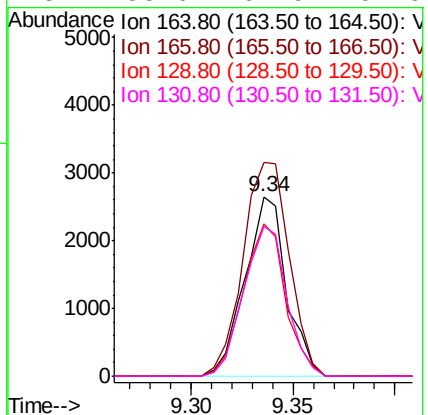
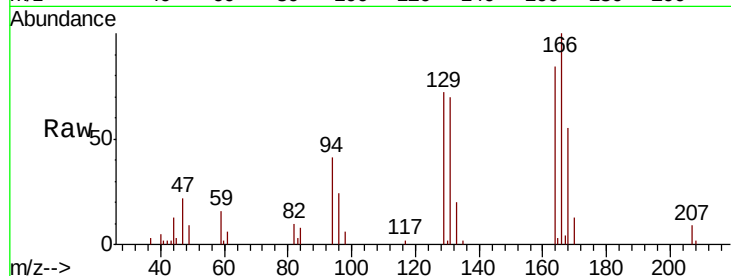




#64
Tetrachloroethene
Concen: 0.94 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004293.D
Acq: 29 Aug 2018 15:24

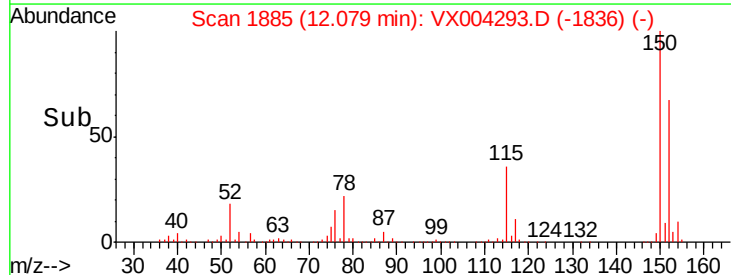
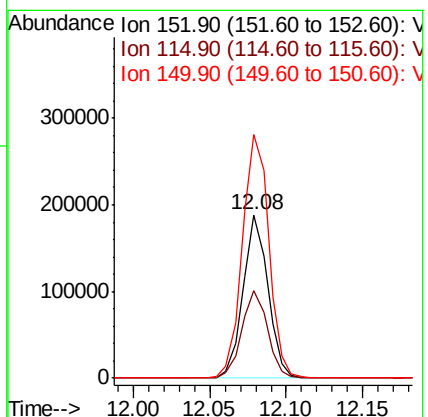
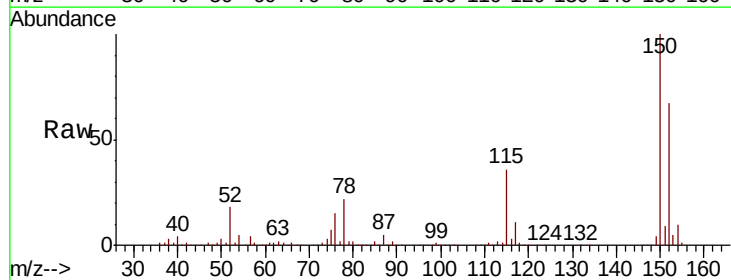
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW02D-M12W4-082318

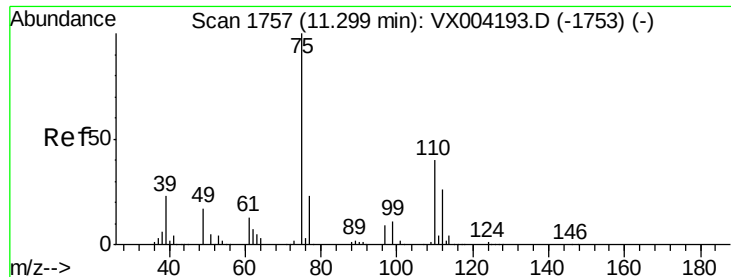
Tot Ion	Ratio	Lower	Upper
164	100		
166	118.9	102.8	154.2
129	85.1	69.4	104.0
131	83.6	67.9	101.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004293.D
Acq: 29 Aug 2018 15:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	39.0	117.0
150	158.9	0.0	351.0





#76

1,2,3-Trichloropropane

Concen: 22.83 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004293.D

Acq: 29 Aug 2018 15:24

Instrument :

MSVOA_X

ClientSampleId :

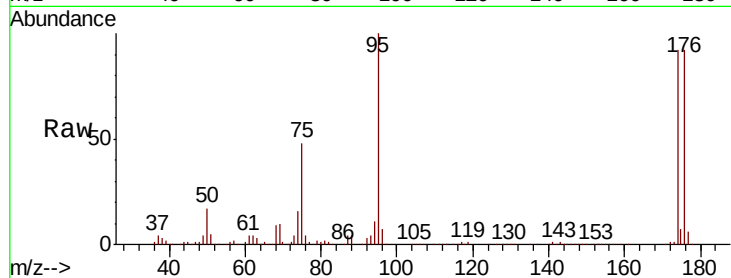
CPA-CPMW02D-M12W4-082318

Tot Ion: 75 Resp: 98427

Ion Ratio Lower Upper

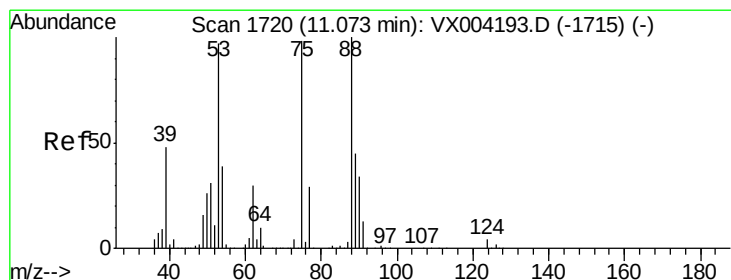
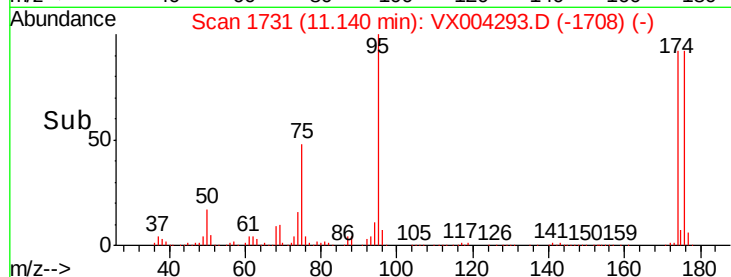
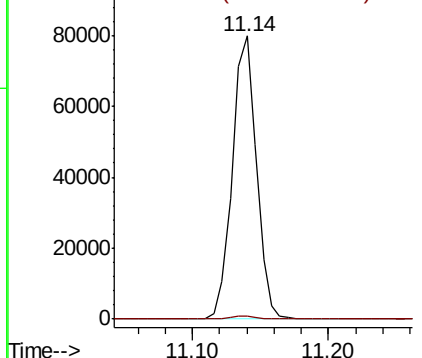
75 100

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: 74.09 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.07 min

Lab File: VX004293.D

Acq: 29 Aug 2018 15:24

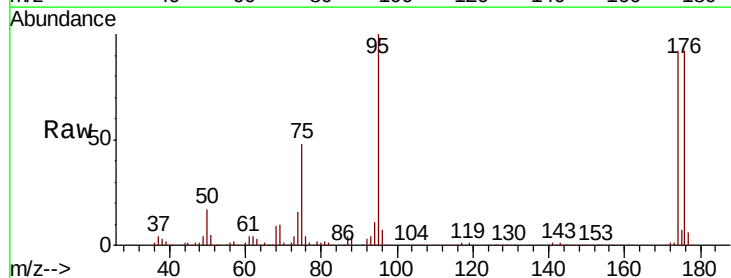
Tgt Ion: 75 Resp: 98427

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

