

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031319\
 Data File : VX008058.D
 Acq On : 13 Mar 2019 19:16
 Operator : JC/SP
 Sample : K1829-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW07S-M20W2-030419

Quant Time: Mar 14 04:19:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	246605	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	381982	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	366875	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	179448	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	131613	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	
35) Dibromofluoromethane	5.50	113	122527	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
50) Toluene-d8	8.71	98	466827	52.02	ug/l	0.00
Spiked Amount			Recovery	=	104.04%	
62) 4-Bromofluorobenzene	11.13	95	174563	55.48	ug/l	0.00
Spiked Amount			Recovery	=	110.96%	

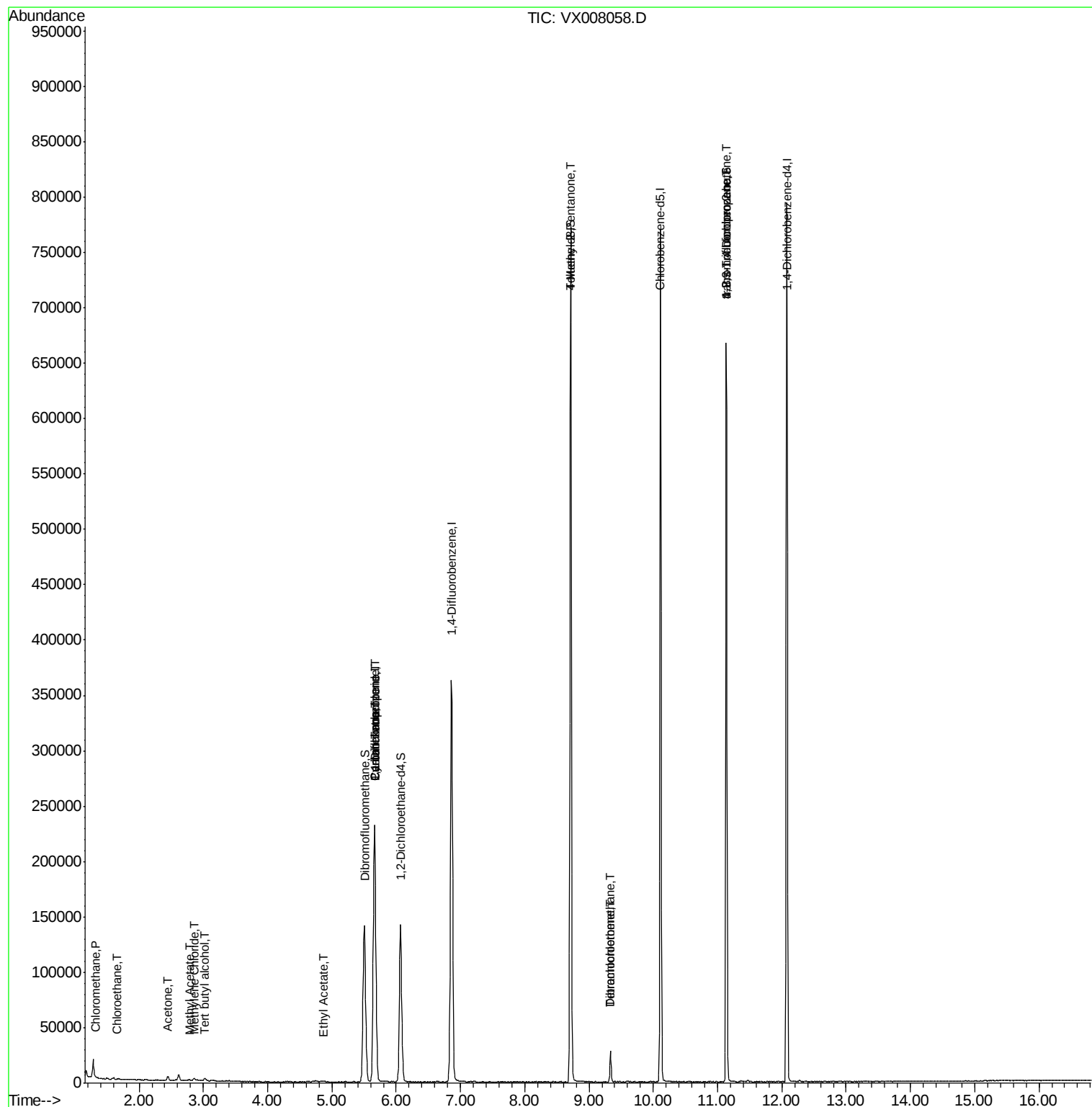
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	583	0.215	ug/l	93
5) Bromomethane	1.65	94	56	Below Cal	#	67
6) Chloroethane	1.65	64	894	0.499	ug/l #	74
11) Tert butyl alcohol	3.03	59	1325	2.278	ug/l #	73
16) Acetone	2.45	43	3846	2.554	ug/l	99
17) Carbon Disulfide	2.57	76	447	Below Cal	#	61
18) Methyl Acetate	2.78	43	706	0.221	ug/l #	79
20) Methylene Chloride	2.86	84	607	0.253	ug/l	94
31) Cyclohexane	5.67	56	3624	0.907	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15046	4.350	ug/l #	49
37) Ethyl Acetate	4.86	43	1270	0.309	ug/l #	82
38) Carbon Tetrachloride	5.67	117	21094	6.424	ug/l #	16
51) 4-Methyl-2-Pentanone	8.71	43	1856	0.475	ug/l #	1
60) Dibromochloromethane	9.34	129	4947	1.860	ug/l #	11
64) Tetrachloroethene	9.34	164	5740	1.888	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	79234	21.042	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	79234	67.260	ug/l #	11

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008058.D

Acq: 13 Mar 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

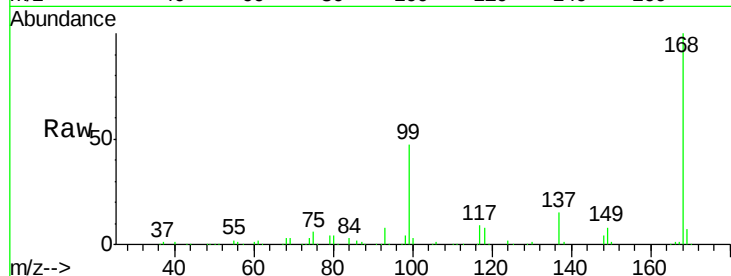
CPA-CPMW07S-M20W2-030419

Tot Ion:168 Resp: 246605

Ion Ratio Lower Upper

168 100

99 47.5 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

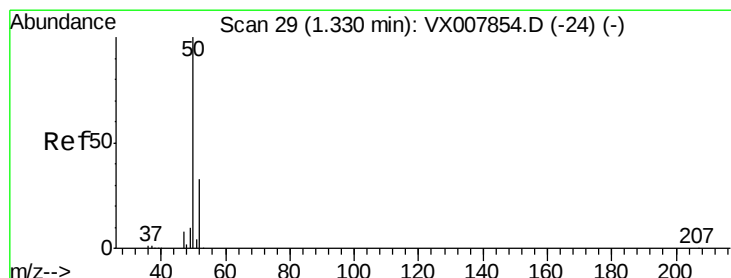
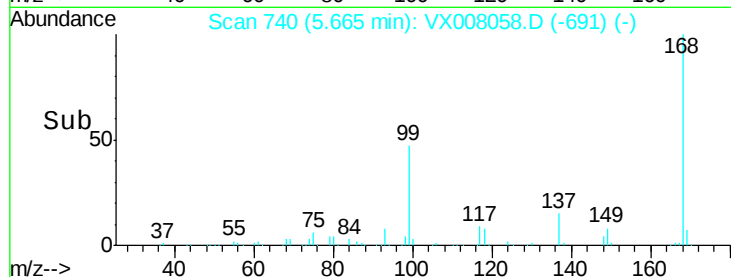
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.215 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX008058.D

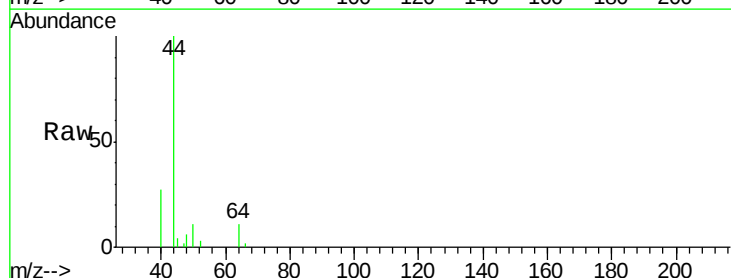
Acq: 13 Mar 2019 19:16

Tgt Ion: 50 Resp: 583

Ion Ratio Lower Upper

50 100

52 29.1 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

400

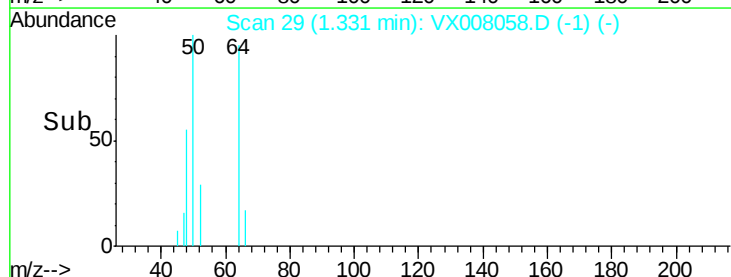
300

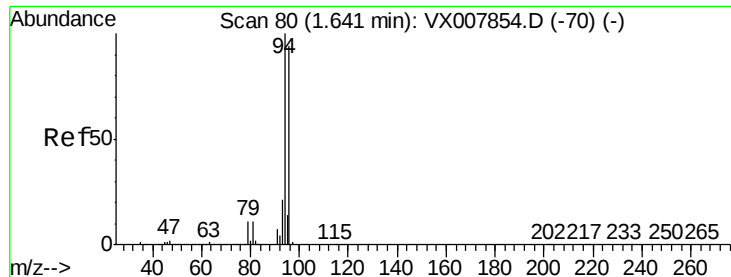
200

100

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX008058.D

Acq: 13 Mar 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

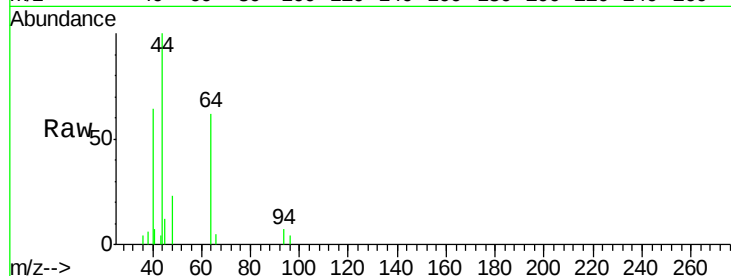
CPA-CPMW07S-M20W2-030419

Tot Ion: 94 Resp: 56

Ion Ratio Lower Upper

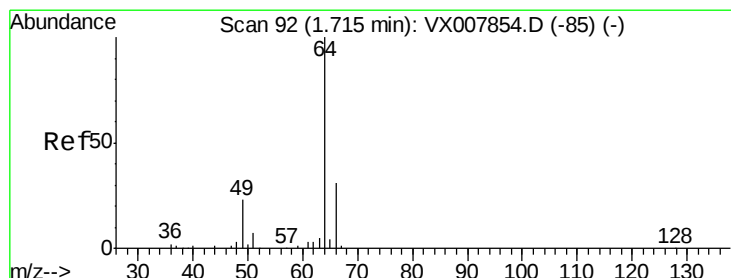
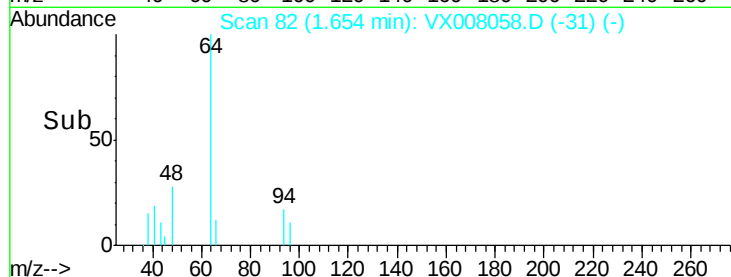
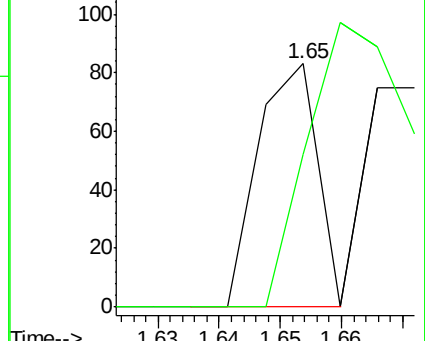
94 100

96 62.7 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.499 ug/l

RT: 1.65 min Scan# 82

Delta R.T. -0.06 min

Lab File: VX008058.D

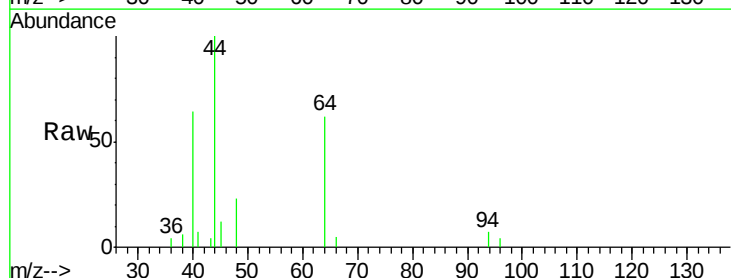
Acq: 13 Mar 2019 19:16

Tgt Ion: 64 Resp: 894

Ion Ratio Lower Upper

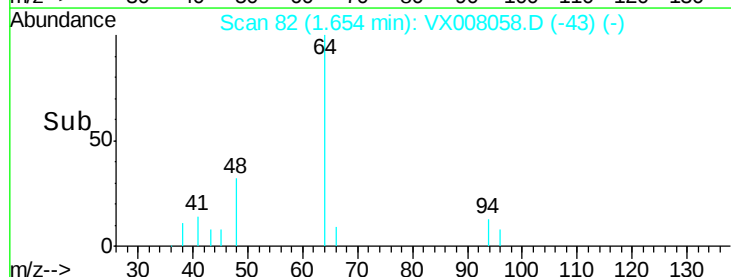
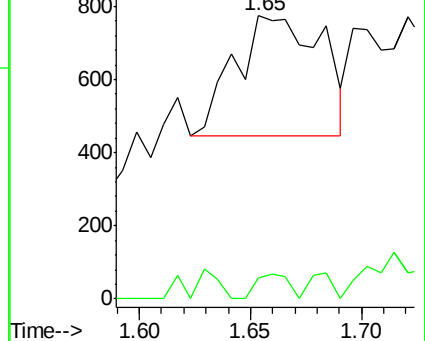
64 100

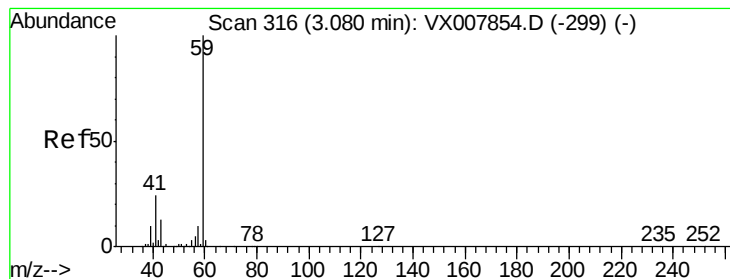
66 17.3 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



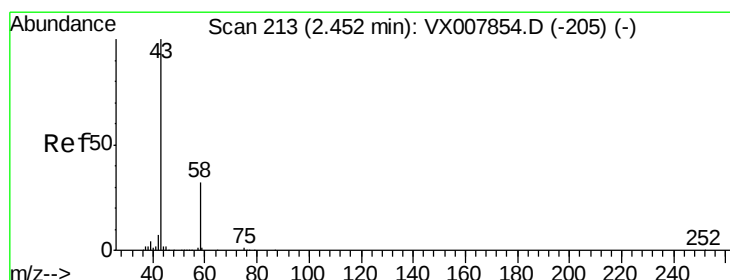
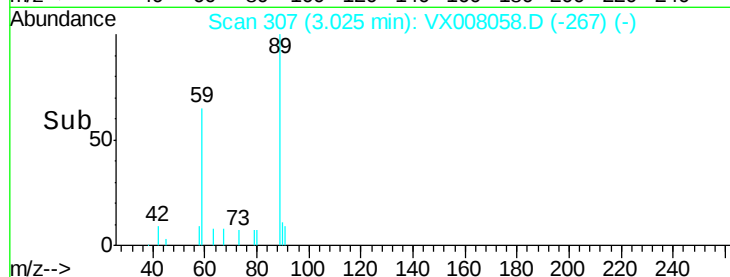
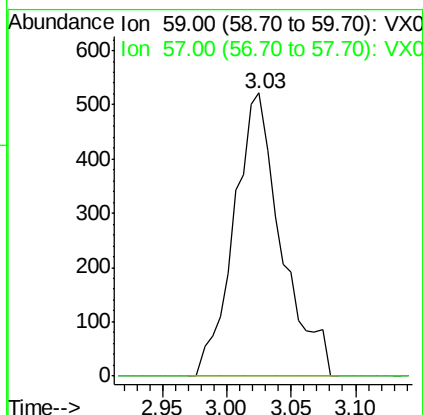
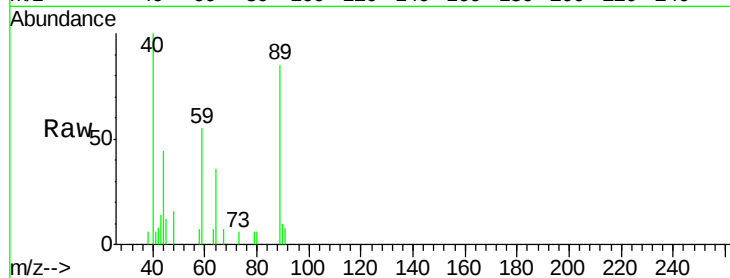


#11

Tert butyl alcohol
 Concen: 2.278 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.05 min
 Lab File: VX008058.D
 Acq: 13 Mar 2019 19:16

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW07S-M20W2-030419

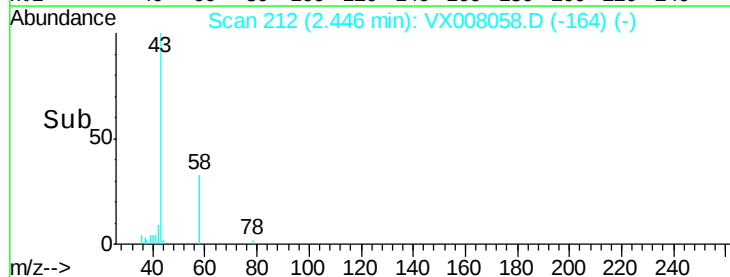
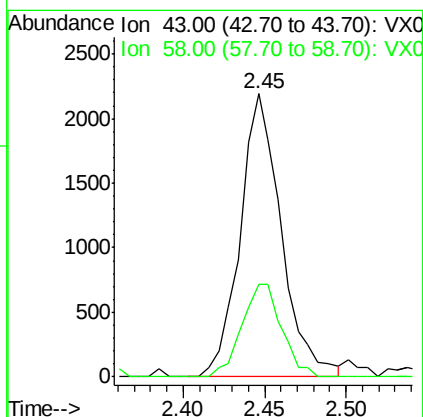
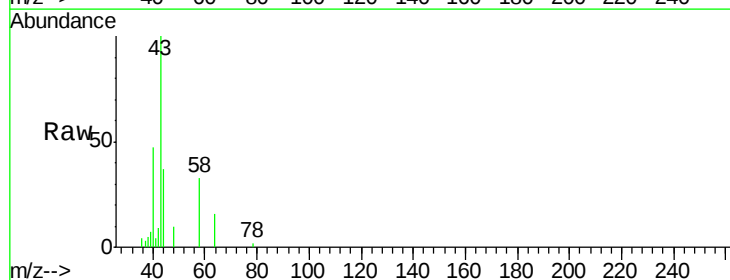
Tot Ion: 59 Resp: 1325
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

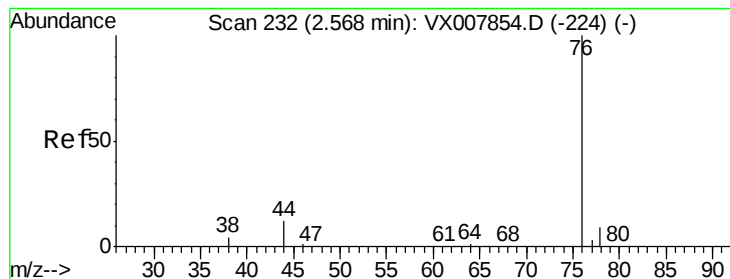


#16

Acetone
 Concen: 2.554 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.01 min
 Lab File: VX008058.D
 Acq: 13 Mar 2019 19:16

Tgt Ion: 43 Resp: 3846
 Ion Ratio Lower Upper
 43 100
 58 32.7 25.5 38.3





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008058.D

Acq: 13 Mar 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

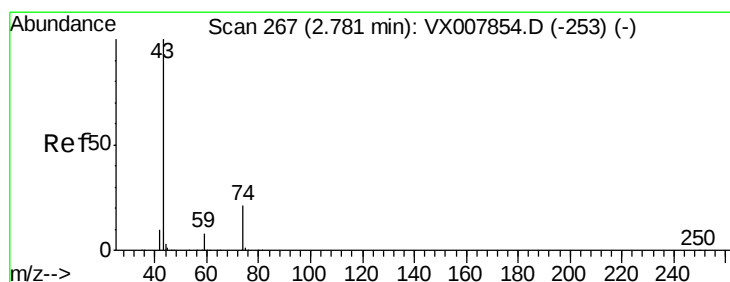
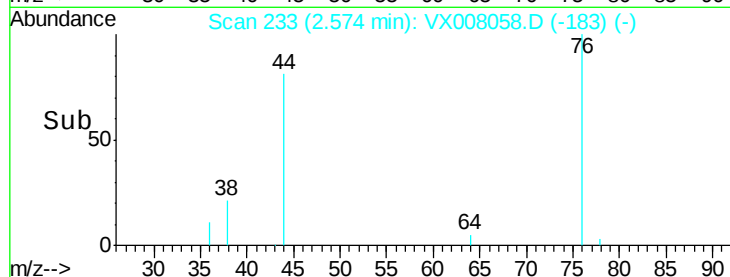
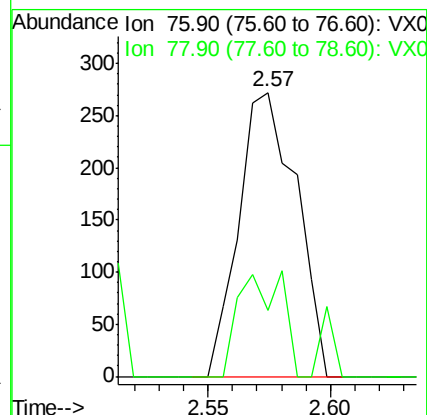
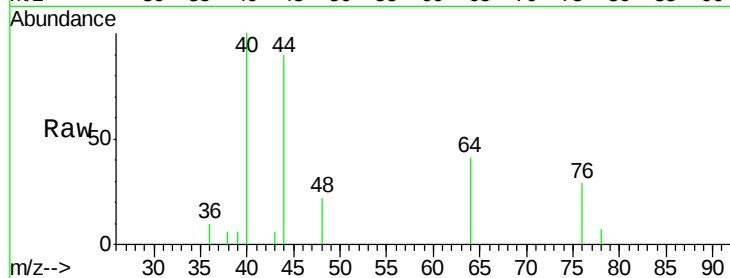
CPA-CPMW07S-M20W2-030419

Tot Ion: 76 Resp: 447

Ion Ratio Lower Upper

76 100

78 23.2 7.2 10.8#



#18

Methyl Acetate

Concen: 0.221 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX008058.D

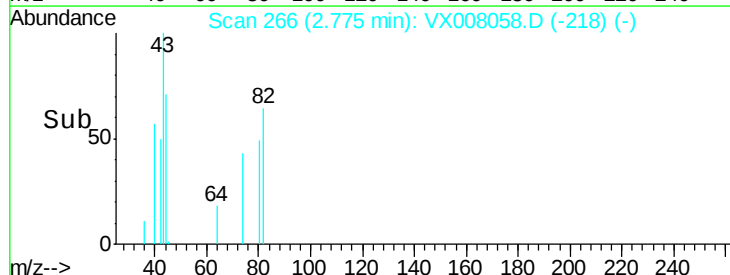
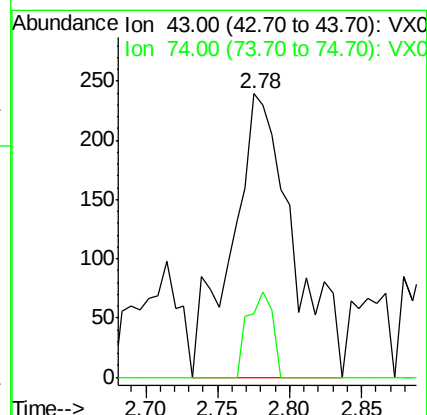
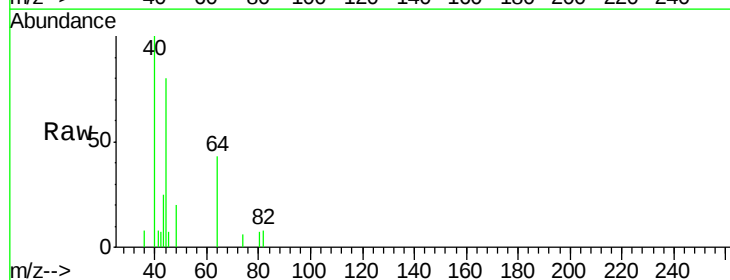
Acq: 13 Mar 2019 19:16

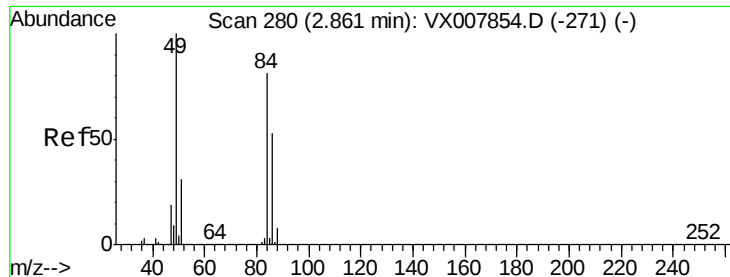
Tgt Ion: 43 Resp: 706

Ion Ratio Lower Upper

43 100

74 12.2 17.8 26.6#

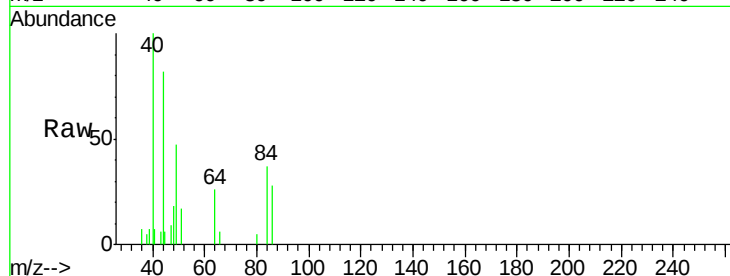




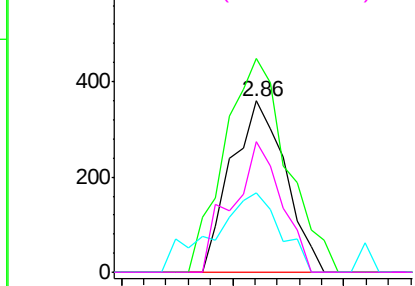
#20
Methylene Chloride
Concen: 0.253 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX008058.D
Acq: 13 Mar 2019 19:16

Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW07S-M20W2-030419

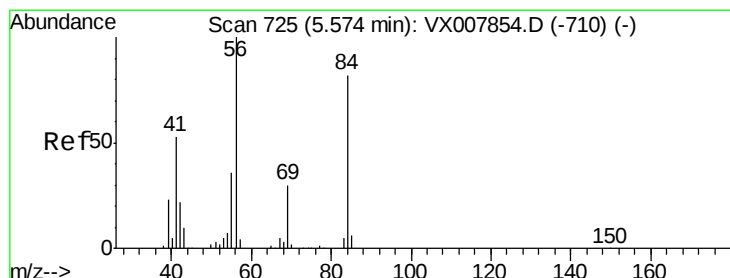
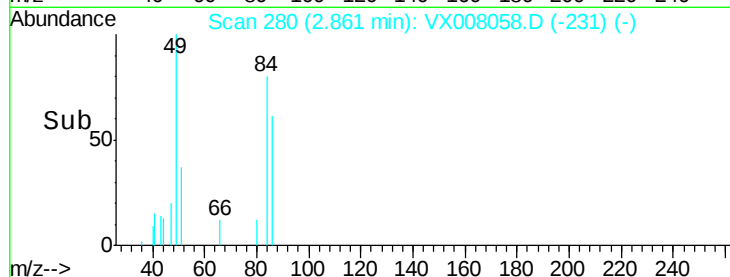
Tot Ion:	84	Resp:	607
Ion	Ratio	Lower	Upper
84	100		
49	124.8	99.3	148.9
51	46.2	31.3	46.9
86	76.0	52.6	79.0



Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

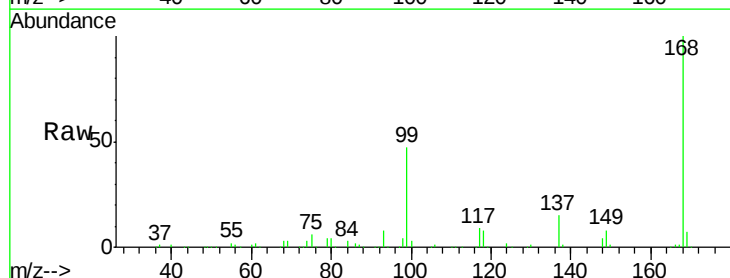


Time--> 2.80 2.85 2.90

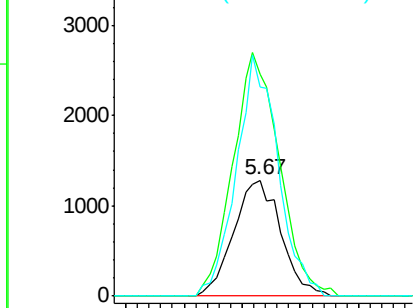


#31
Cyclohexane
Concen: 0.907 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX008058.D
Acq: 13 Mar 2019 19:16

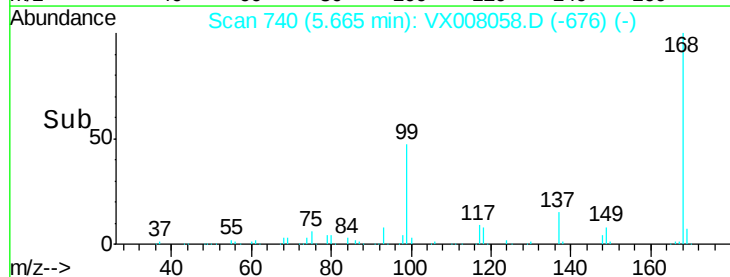
Tgt Ion:	56	Resp:	3624
Ion	Ratio	Lower	Upper
56	100		
69	191.1	24.0	36.0#
84	180.7	65.3	97.9#

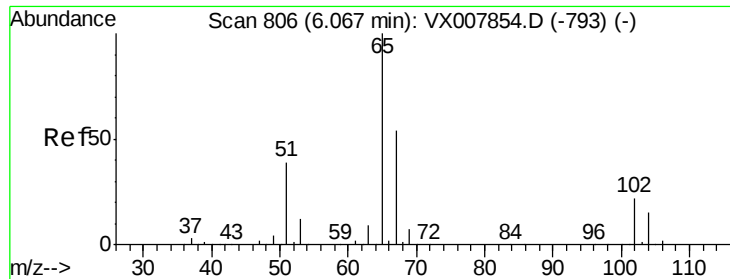


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



Time--> 5.55 5.60 5.65 5.70 5.75

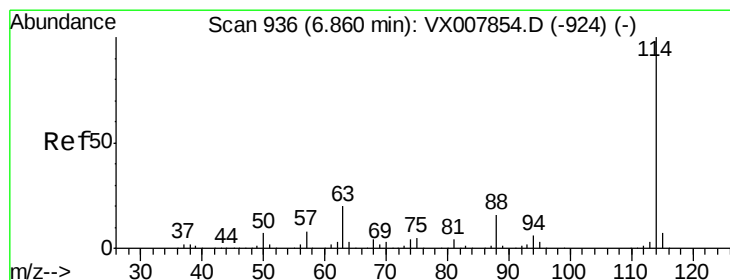
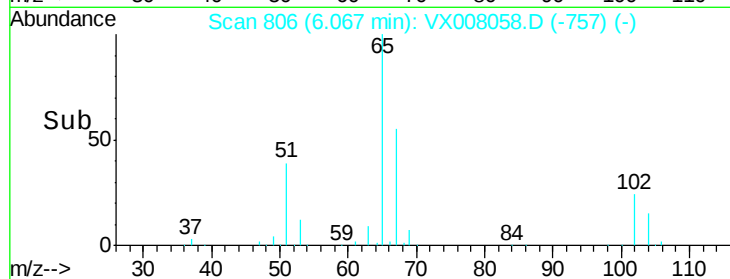
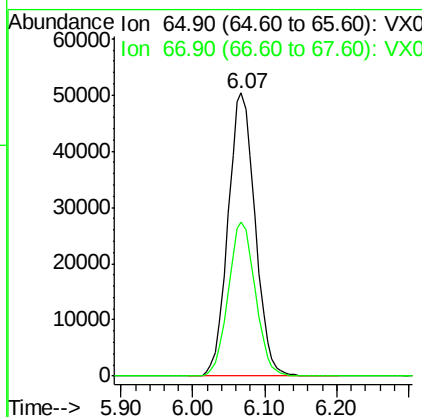
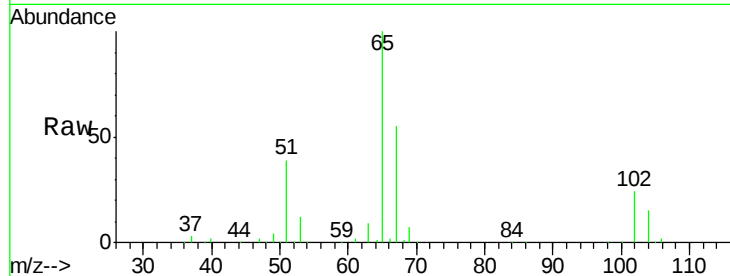




#33
 1,2-Dichloroethane-d4
 Concen: 50.592 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX008058.D
 Acq: 13 Mar 2019 19:16

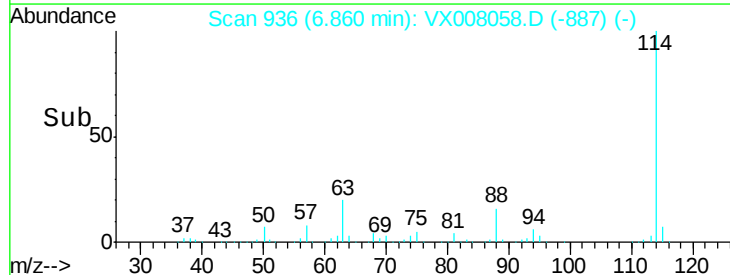
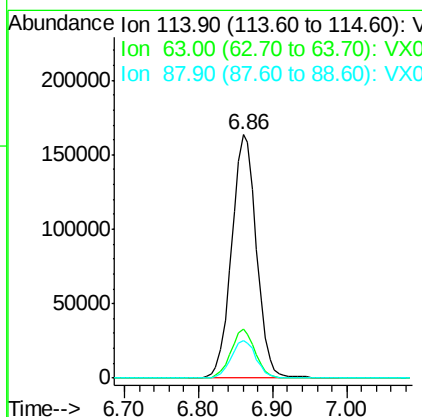
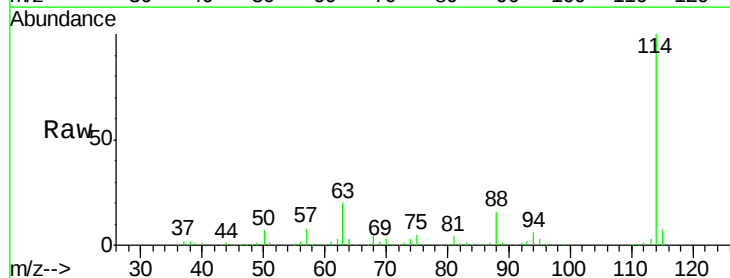
Instrument :
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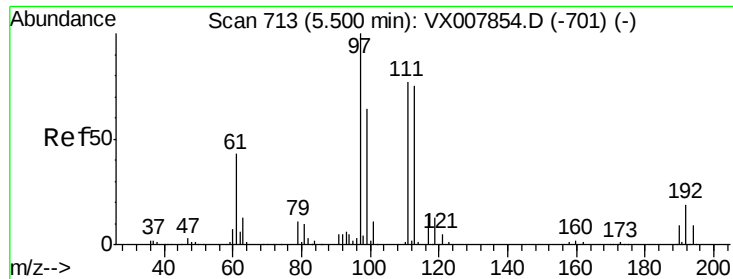
Tot Ion: 65 Resp: 131613
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008058.D
 Acq: 13 Mar 2019 19:16

Tgt Ion: 114 Resp: 381982
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.8
 88 15.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.146 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008058.D

Acq: 13 Mar 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW07S-M20W2-030419

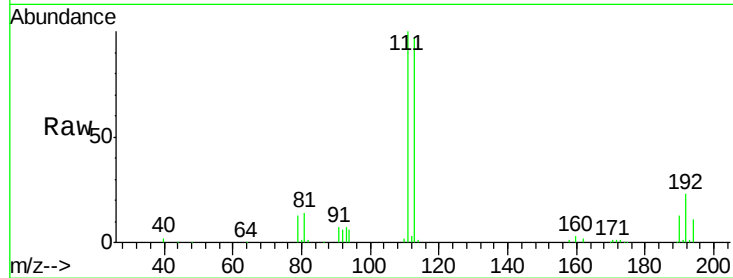
Tot Ion:113 Resp: 122527

Ion Ratio Lower Upper

113 100

111 102.9 81.4 122.0

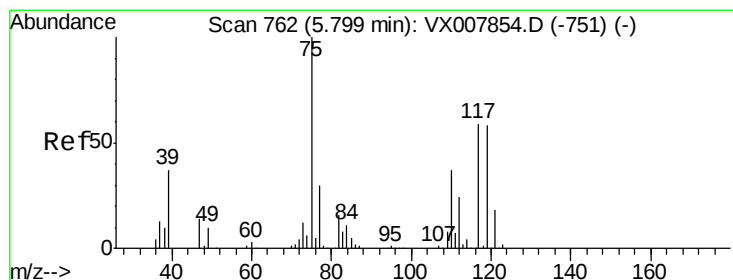
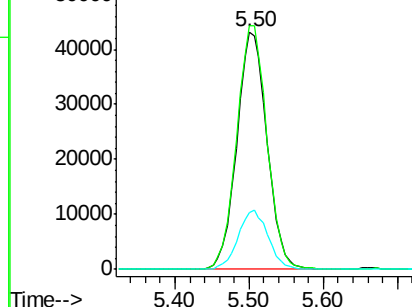
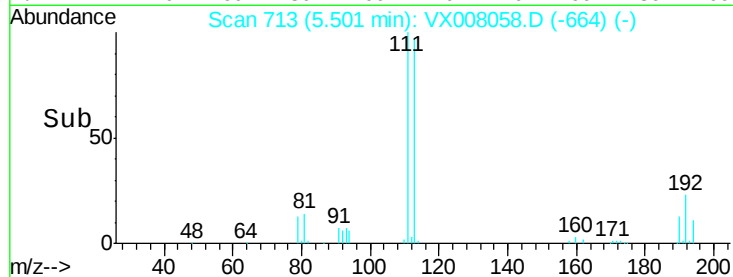
192 24.7 19.4 29.0



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: 4.350 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX008058.D

Acq: 13 Mar 2019 19:16

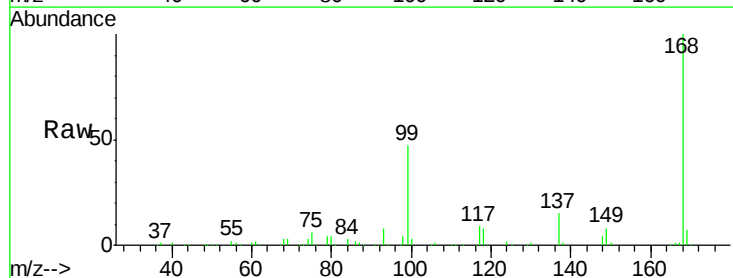
Tgt Ion: 75 Resp: 15046

Ion Ratio Lower Upper

75 100

110 9.0 18.4 55.0#

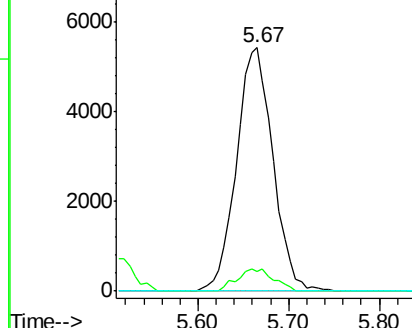
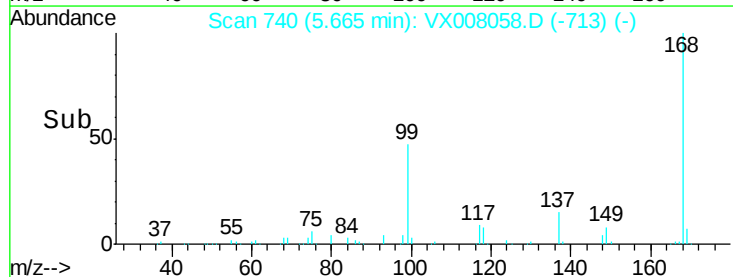
77 0.0 25.0 37.4#

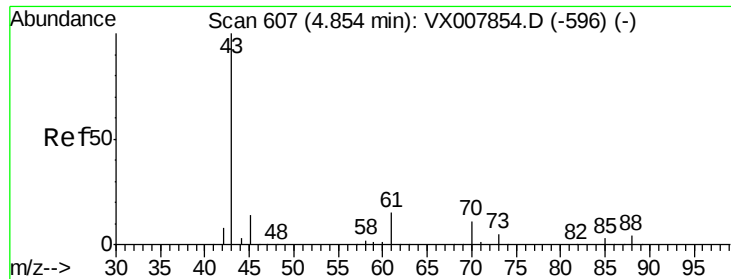


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 0.309 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.01 min

Lab File: VX008058.D

Acq: 13 Mar 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW07S-M20W2-030419

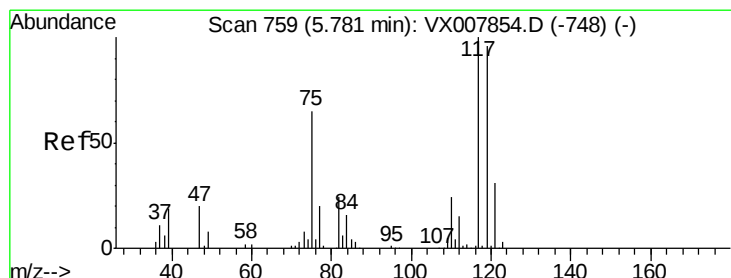
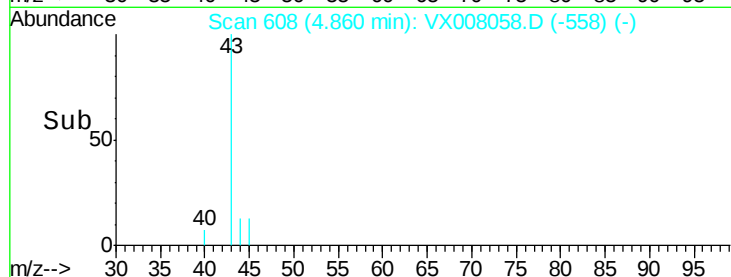
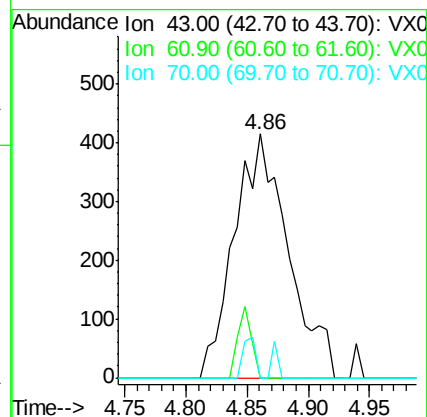
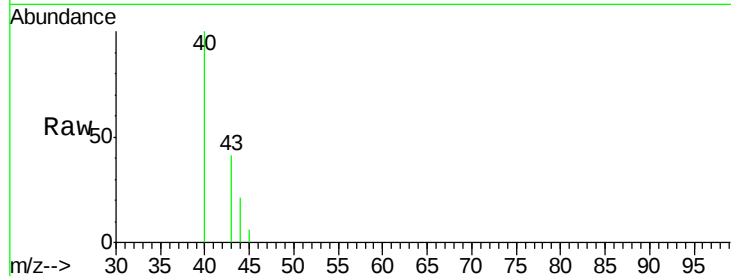
Tot Ion: 43 Resp: 1270

Ion Ratio Lower Upper

43 100

61 7.2 11.3 16.9#

70 3.8 8.5 12.7#



#38

Carbon Tetrachloride

Concen: 6.424 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008058.D

Acq: 13 Mar 2019 19:16

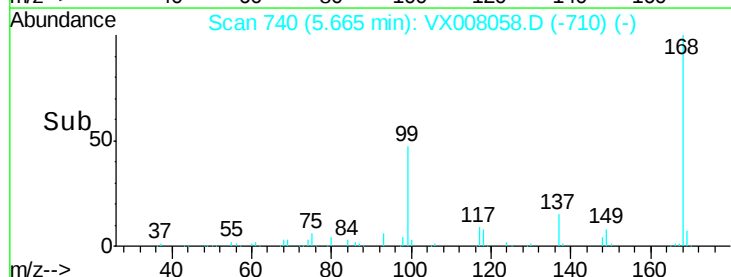
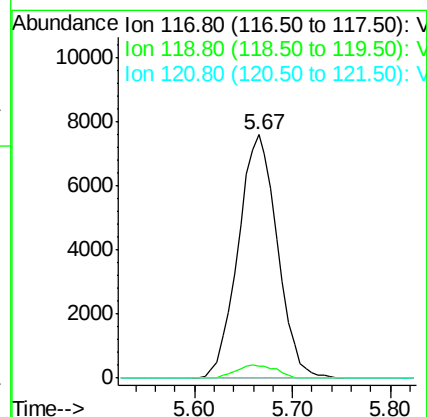
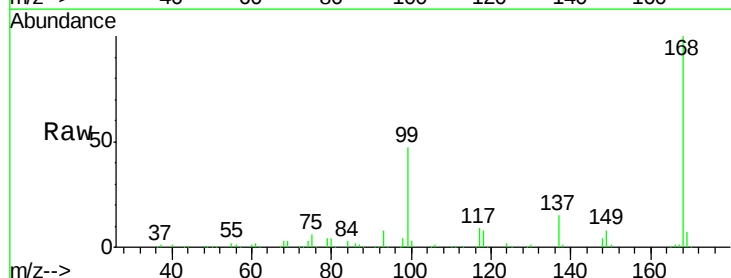
Tgt Ion: 117 Resp: 21094

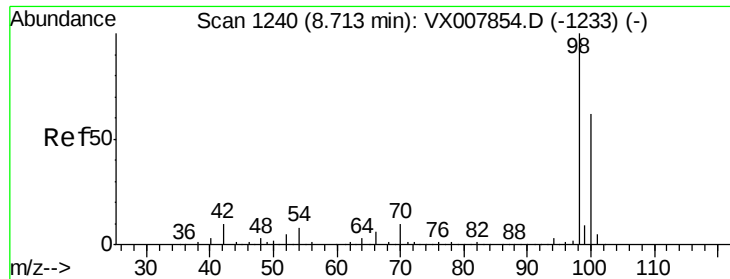
Ion Ratio Lower Upper

117 100

119 5.1 76.2 114.2#

121 0.0 24.6 36.8#

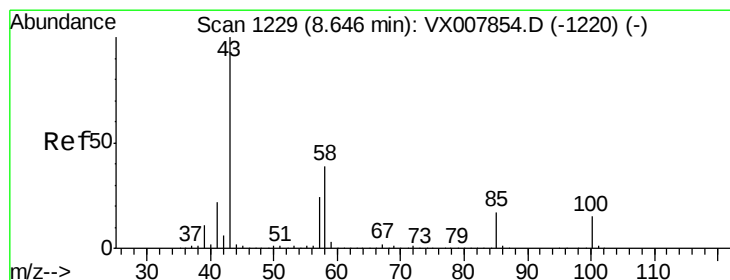
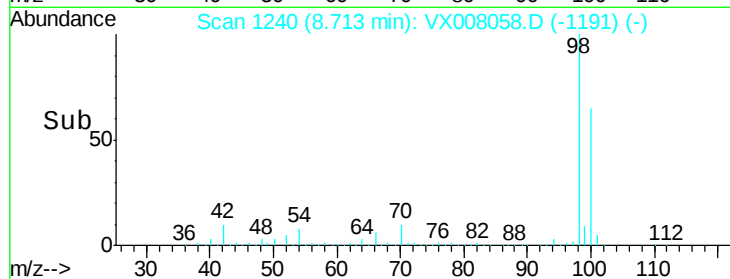
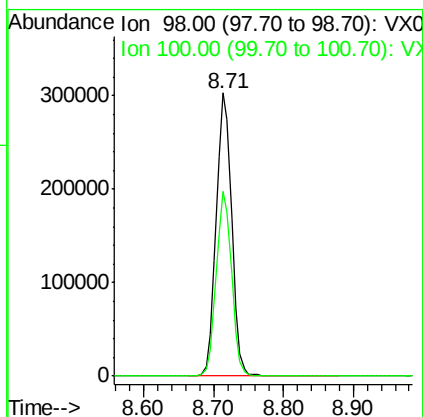
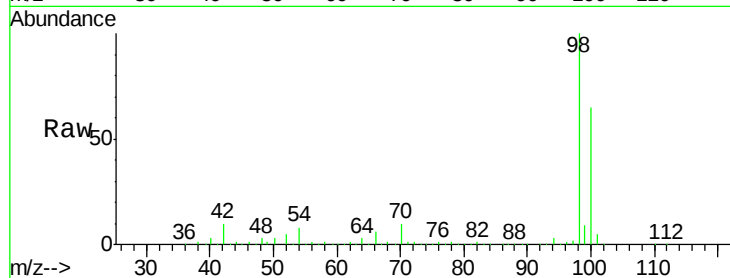




#50
Toluene-d8
Concen: 52.023 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008058.D
Acq: 13 Mar 2019 19:16

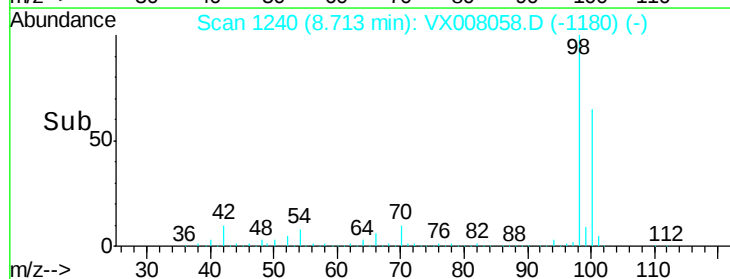
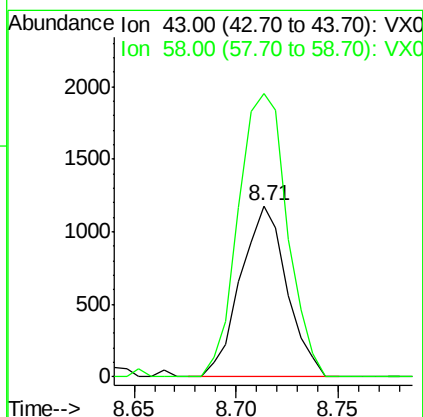
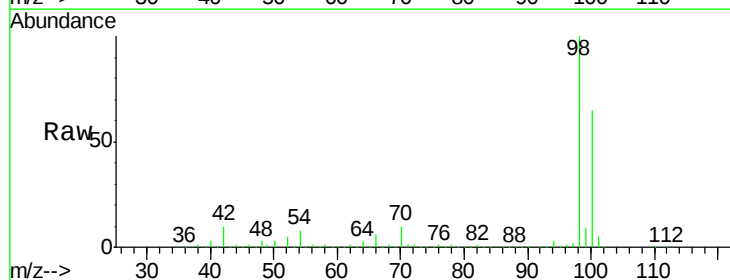
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW07S-M20W2-030419

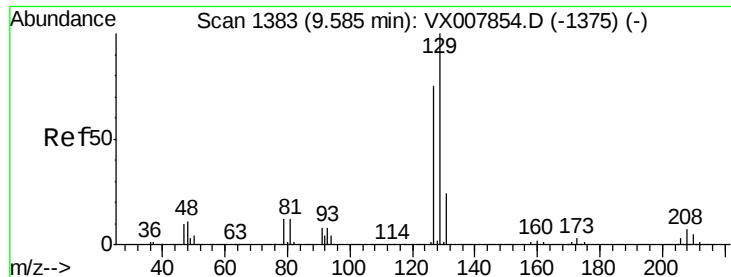
Tot Ion: 98 Resp: 466827
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.475 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.07 min
Lab File: VX008058.D
Acq: 13 Mar 2019 19:16

Tgt Ion: 43 Resp: 1856
Ion Ratio Lower Upper
43 100
58 174.8 31.3 46.9#





#60

Dibromochloromethane

Concen: 1.860 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.25 min

Lab File: VX008058.D

Acq: 13 Mar 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

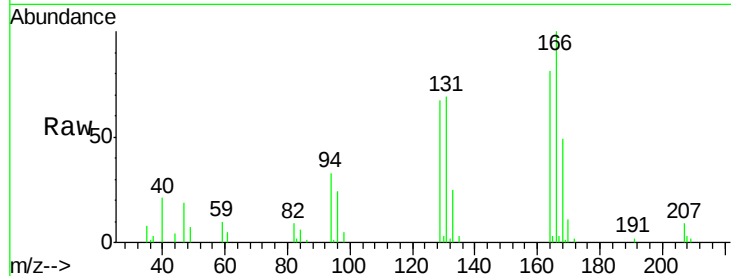
CPA-CPMW07S-M20W2-030419

Tot Ion:129 Resp: 4947

Ion Ratio Lower Upper

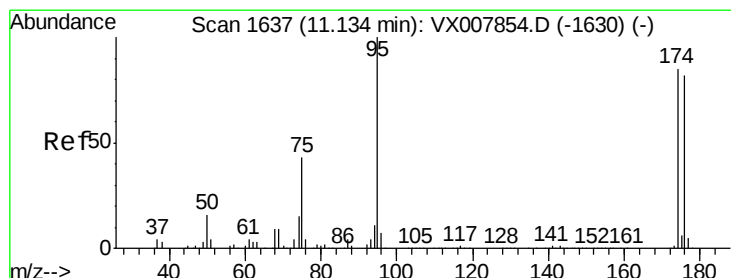
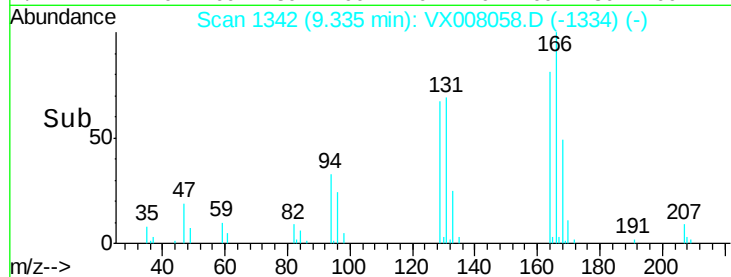
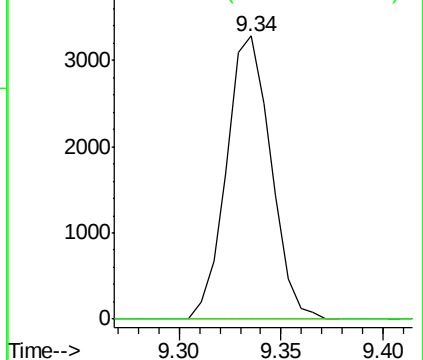
129 100

127 0.0 38.3 114.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 55.485 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008058.D

Acq: 13 Mar 2019 19:16

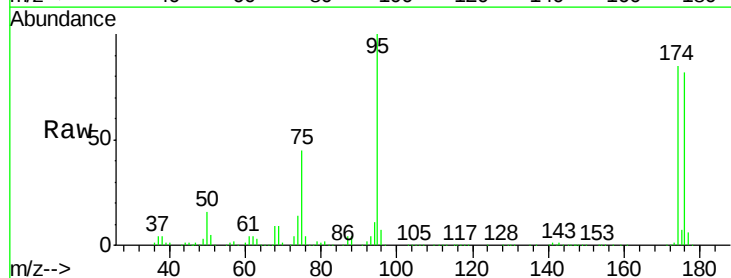
Tgt Ion: 95 Resp: 174563

Ion Ratio Lower Upper

95 100

174 92.8 0.0 182.8

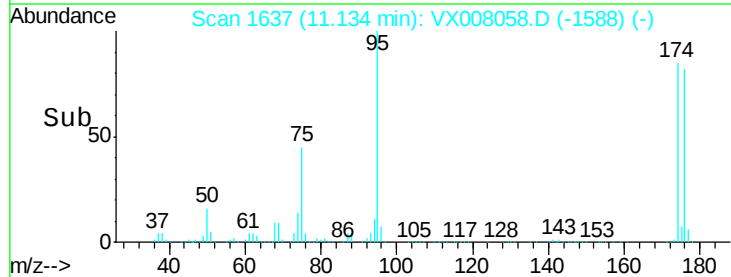
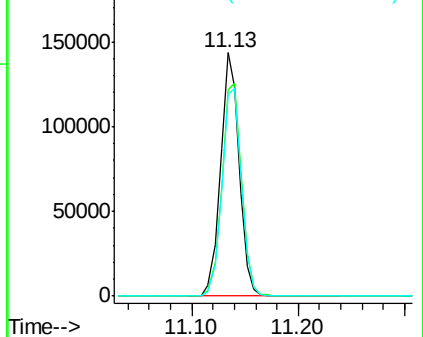
176 89.7 0.0 178.0

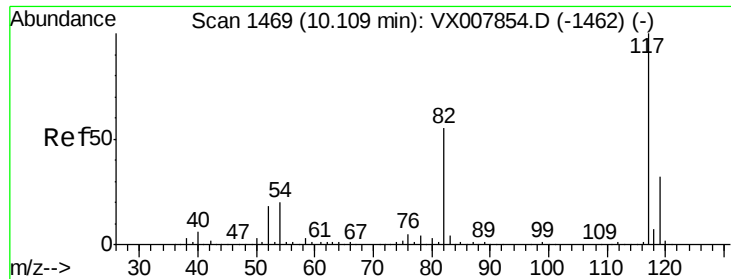


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

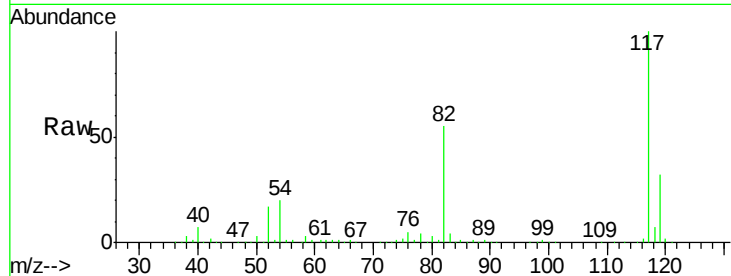




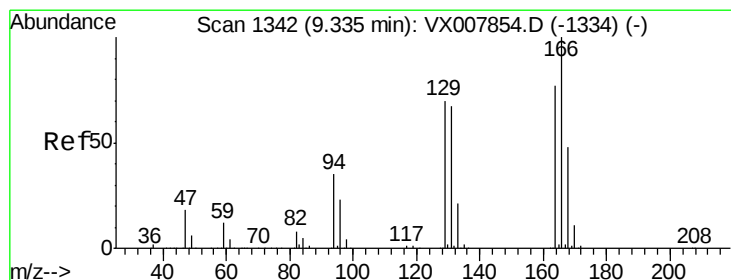
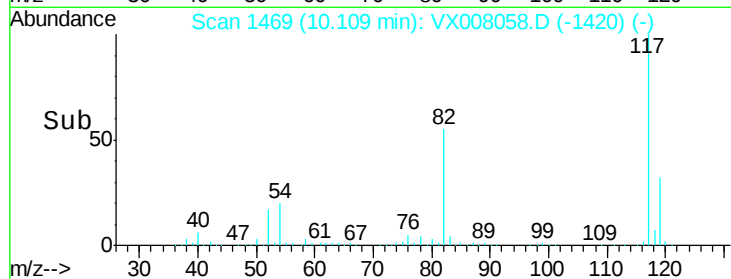
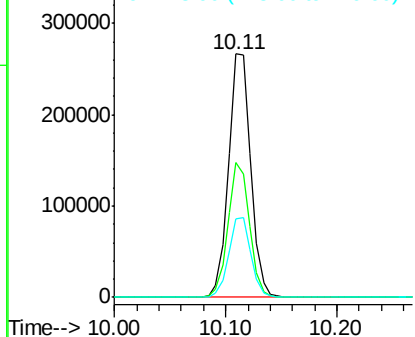
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008058.D
Acq: 13 Mar 2019 19:16

Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW07S-M20W2-030419

Tot Ion:117 Resp: 366875
Ion Ratio Lower Upper
117 100
82 55.5 44.3 66.5
119 32.2 25.3 37.9



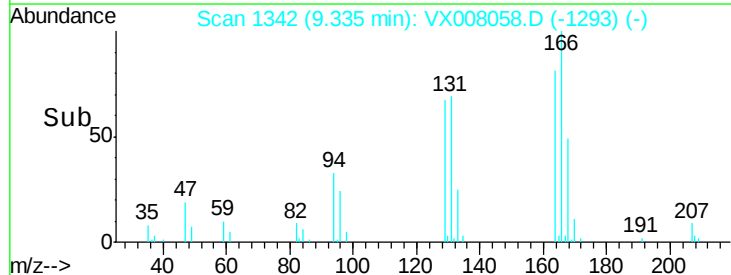
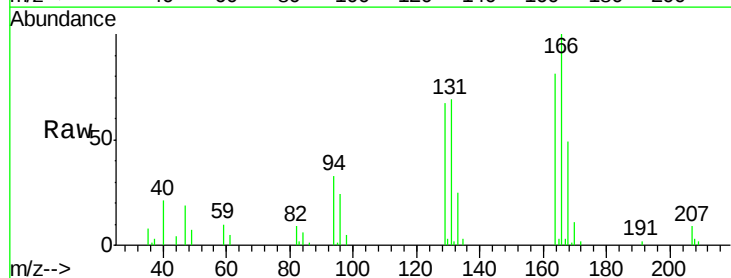
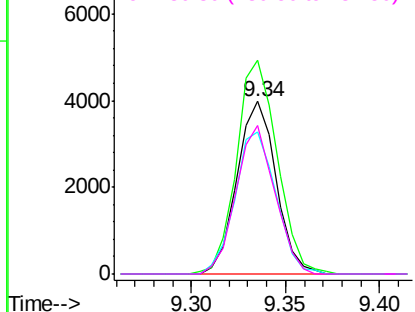
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

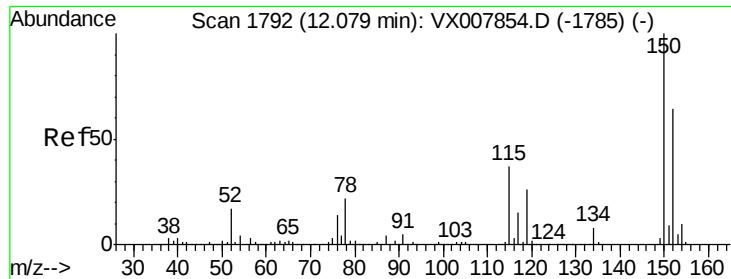


#64
Tetrachloroethene
Concen: 1.888 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008058.D
Acq: 13 Mar 2019 19:16

Tgt Ion:164 Resp: 5740
Ion Ratio Lower Upper
164 100
166 123.7 103.4 155.0
129 82.3 72.2 108.4
131 85.7 69.4 104.2

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: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008058.D

Acq: 13 Mar 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW07S-M20W2-030419

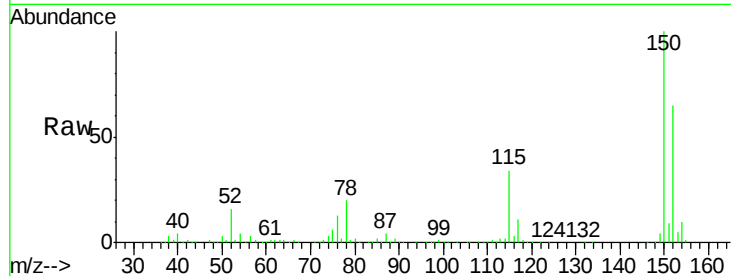
Tot Ion:152 Resp: 179448

Ion Ratio Lower Upper

152 100

115 55.1 38.6 115.7

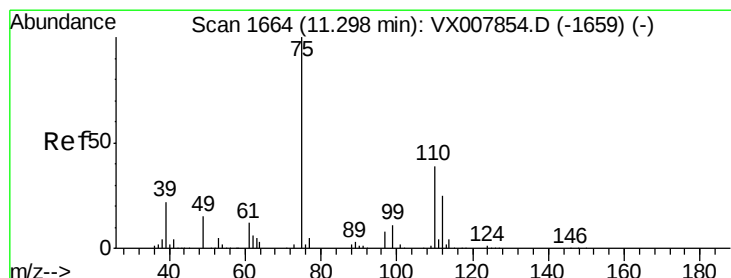
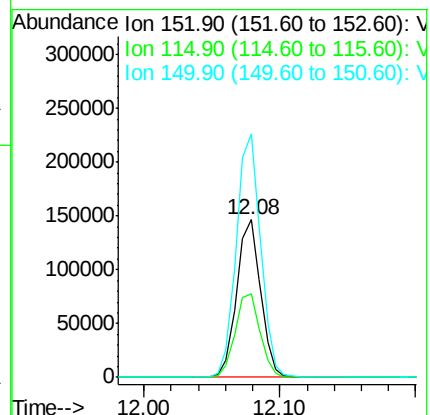
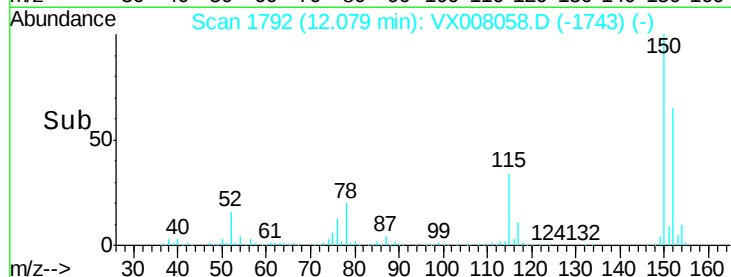
150 156.6 0.0 348.4



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: 21.042 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008058.D

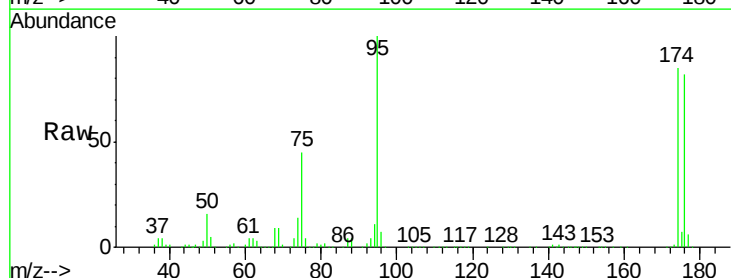
Acq: 13 Mar 2019 19:16

Tgt Ion: 75 Resp: 79234

Ion Ratio Lower Upper

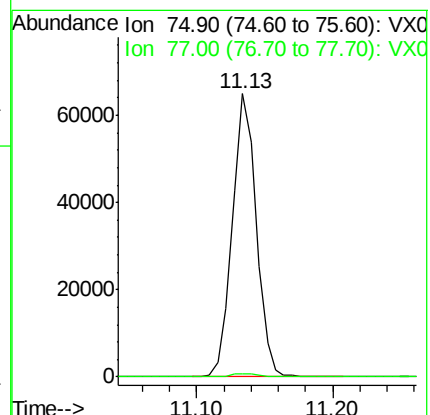
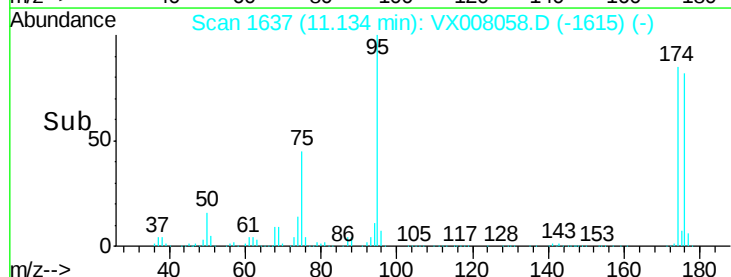
75 100

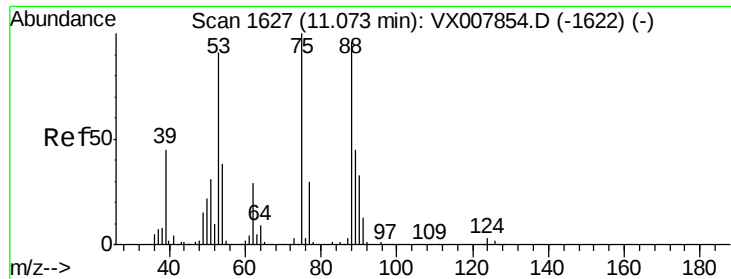
77 1.2 18.9 56.7#



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: 67.260 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008058.D

Acq: 13 Mar 2019 19:16

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW07S-M20W2-030419

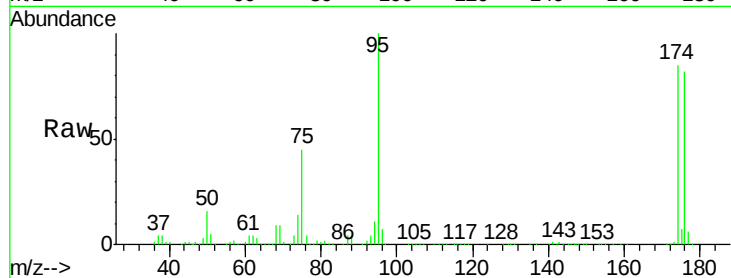
Tot Ion: 75 Resp: 79234

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

89 0.0 36.3 54.5#



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

