

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031319\
 Data File : VX008054.D
 Acq On : 13 Mar 2019 17:29
 Operator : JC/SP
 Sample : K1828-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW05D-M20W2-030619

Quant Time: Mar 14 04:18:57 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	253525	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	394779	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	379532	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	186450	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	135396	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
35) Dibromofluoromethane	5.51	113	124491	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
50) Toluene-d8	8.71	98	481572	51.93	ug/l	0.00
Spiked Amount			Recovery	=	103.86%	
62) 4-Bromofluorobenzene	11.13	95	181267	55.75	ug/l	0.00
Spiked Amount			Recovery	=	111.50%	

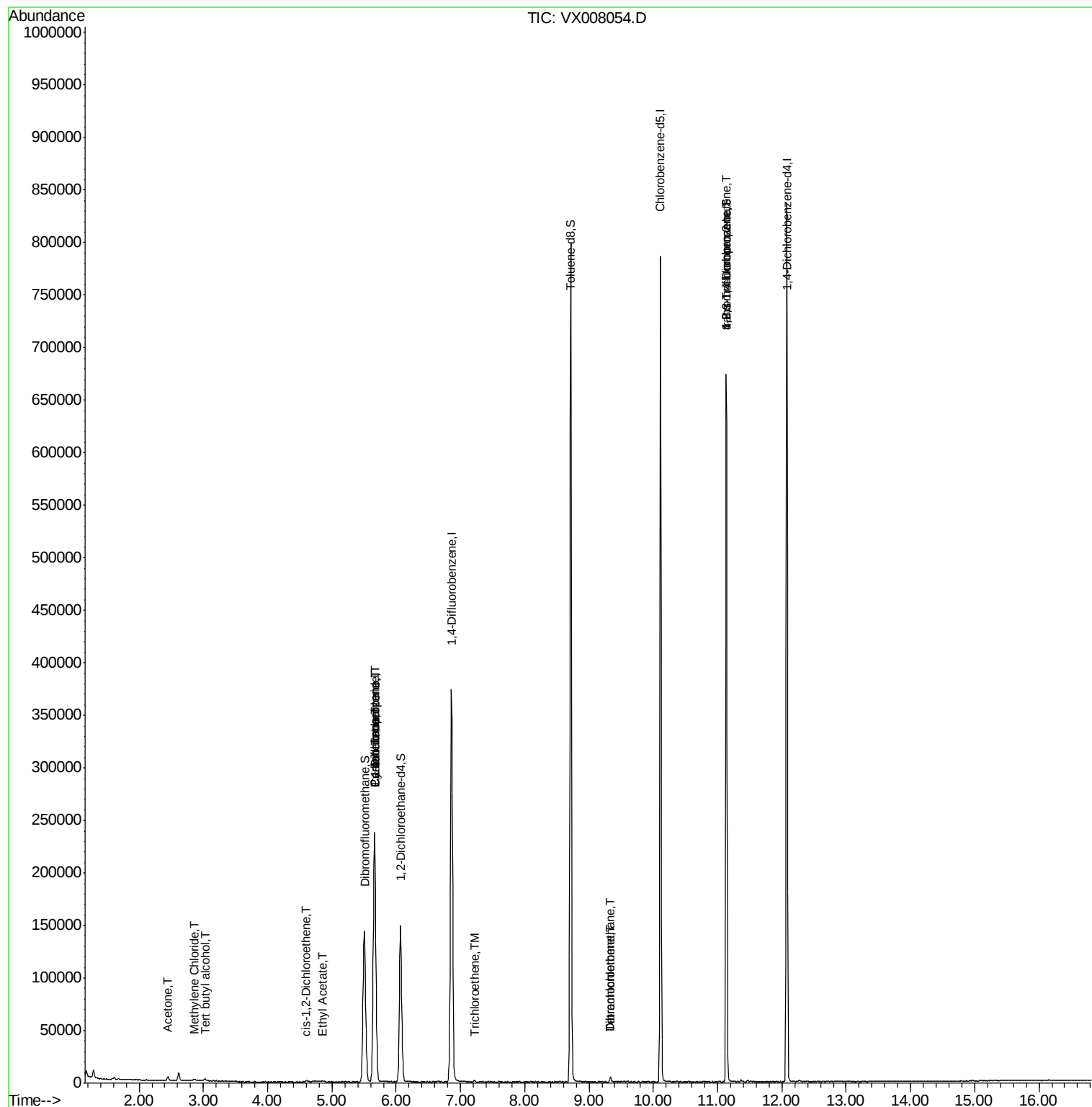
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	273	Below Cal	#	57
11) Tert butyl alcohol	3.02	59	1397	2.336	ug/l #	73
16) Acetone	2.45	43	4215	2.723	ug/l	90
17) Carbon Disulfide	2.57	76	432	Below Cal	#	49
20) Methylene Chloride	2.87	84	643	0.261	ug/l #	81
27) cis-1,2-Dichloroethene	4.60	96	675	0.249	ug/l	92
31) Cyclohexane	5.66	56	3854	0.938	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15334	4.290	ug/l #	49
37) Ethyl Acetate	4.86	43	1969	0.464	ug/l #	93
38) Carbon Tetrachloride	5.67	117	21572	6.357	ug/l #	16
44) Trichloroethene	7.21	130	599	0.204	ug/l	68
60) Dibromochloromethane	9.34	129	733	0.267	ug/l #	11
64) Tetrachloroethene	9.34	164	897	0.285	ug/l	93
76) 1,2,3-Trichloropropane	11.13	75	80928	20.684	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	80928	66.118	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: VX008054.D

Acq: 13 Mar 2019 17:29

Instrument :

MSVOA_X

ClientSampleId :

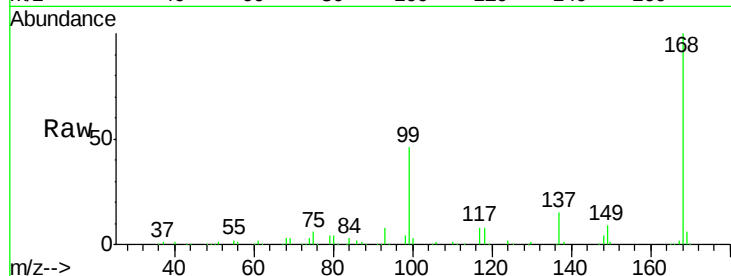
CPA-CPMW05D-M20W2-030619

Tot Ion:168 Resp: 253525

Ion Ratio Lower Upper

168 100

99 46.5 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

100000

80000

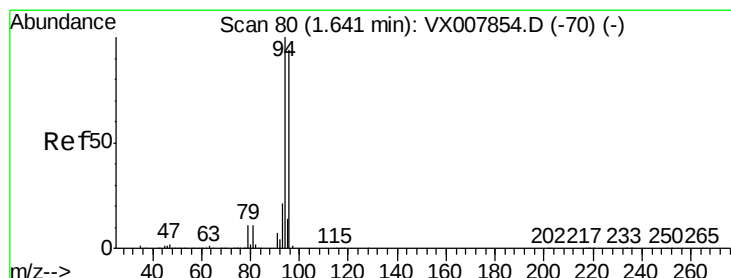
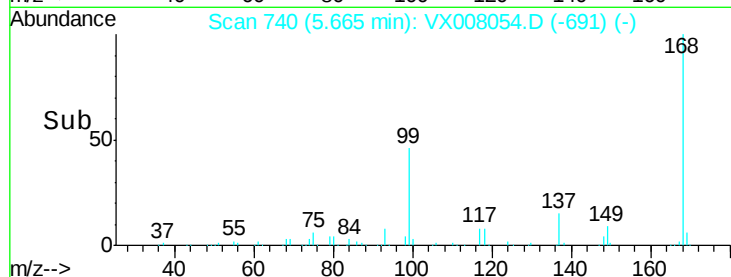
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX008054.D

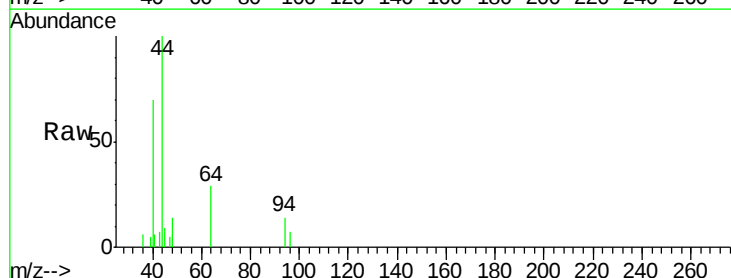
Acq: 13 Mar 2019 17:29

Tgt Ion: 94 Resp: 273

Ion Ratio Lower Upper

94 100

96 52.7 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

200

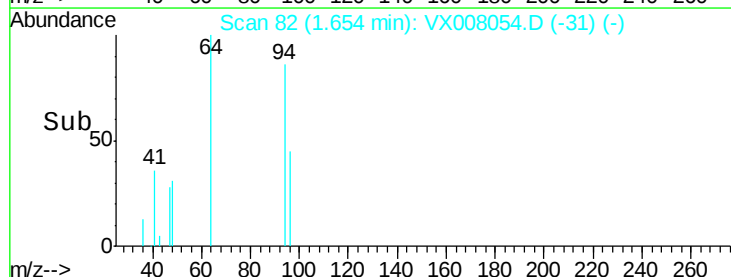
150

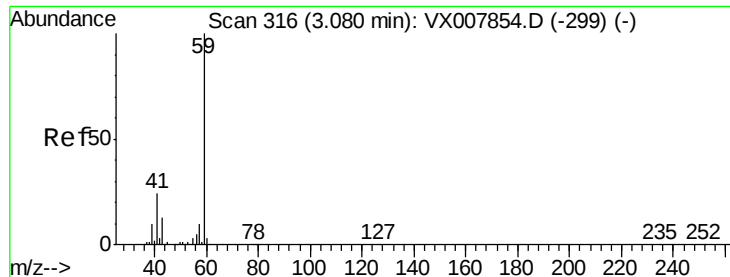
100

50

0

Time--> 1.60 1.65 1.70



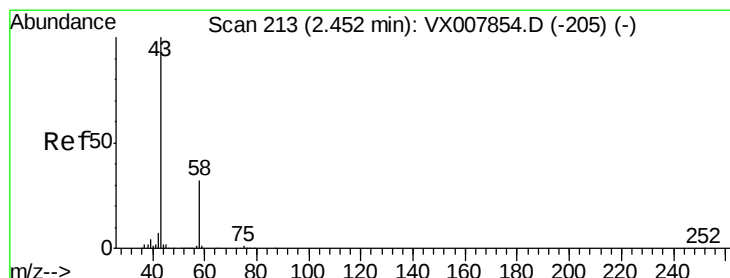
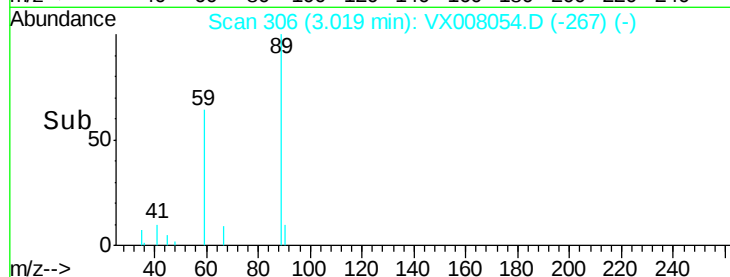
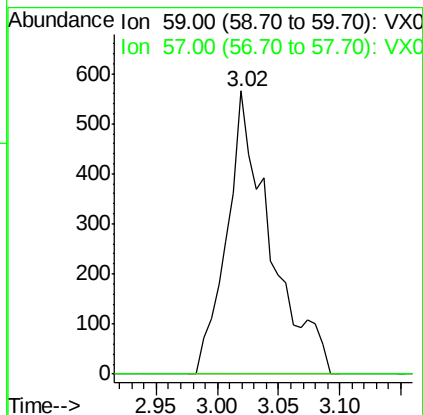
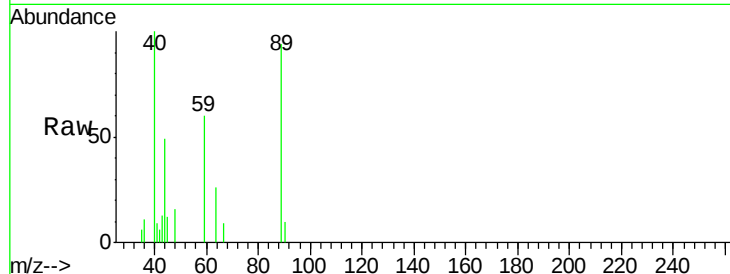


#11

Tert butvl alcohol
 Concen: 2.336 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.06 min
 Lab File: VX008054.D
 Acq: 13 Mar 2019 17:29

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW05D-M20W2-030619

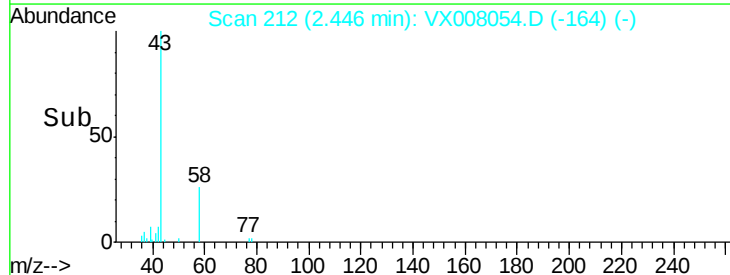
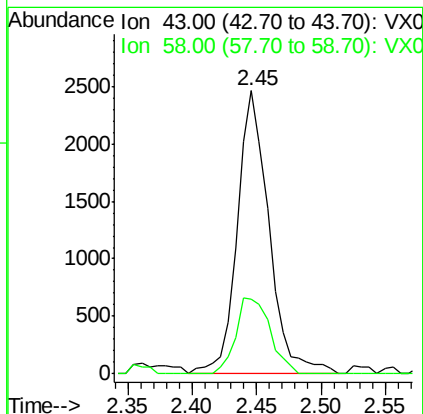
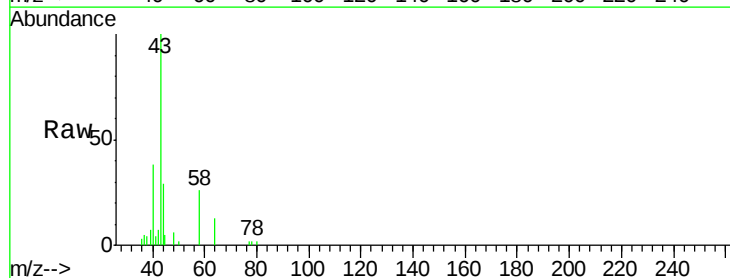
Tot Ion: 59 Resp: 1397
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

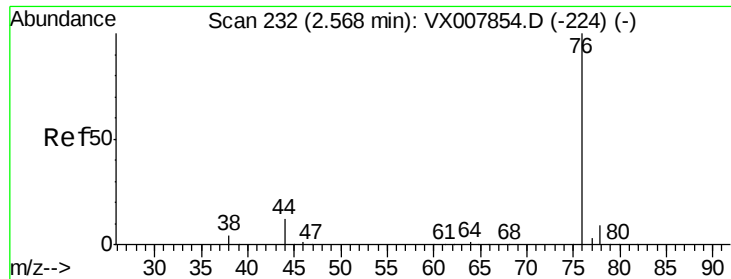


#16

Acetone
 Concen: 2.723 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.01 min
 Lab File: VX008054.D
 Acq: 13 Mar 2019 17:29

Tgt Ion: 43 Resp: 4215
 Ion Ratio Lower Upper
 43 100
 58 26.3 25.5 38.3





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008054.D

Acq: 13 Mar 2019 17:29

Instrument :

MSVOA_X

ClientSampleId :

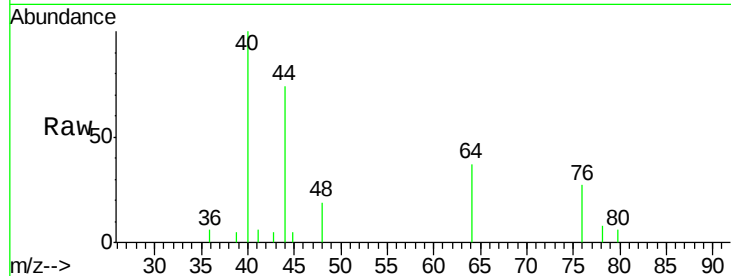
CPA-CPMW05D-M20W2-030619

Tot Ion: 76 Resp: 432

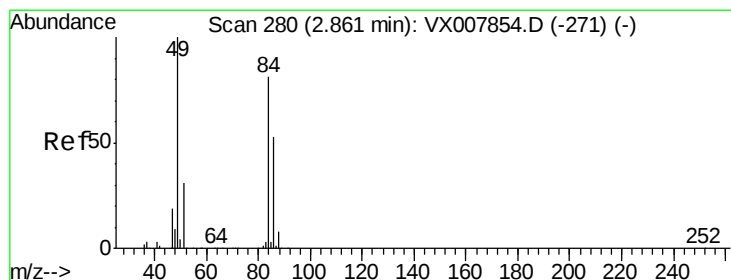
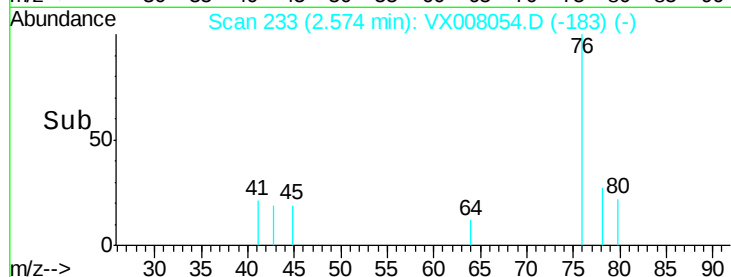
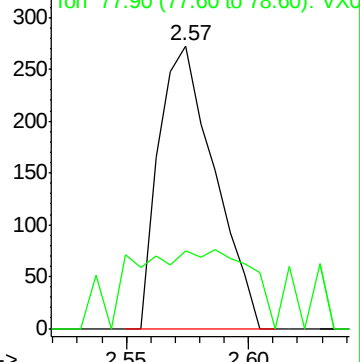
Ion Ratio Lower Upper

76 100

78 27.5 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0



#20

Methylene Chloride

Concen: 0.261 ug/l

RT: 2.87 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX008054.D

Acq: 13 Mar 2019 17:29

Tgt Ion: 84 Resp: 643

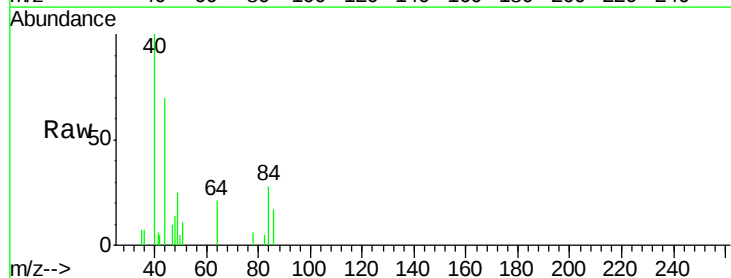
Ion Ratio Lower Upper

84 100

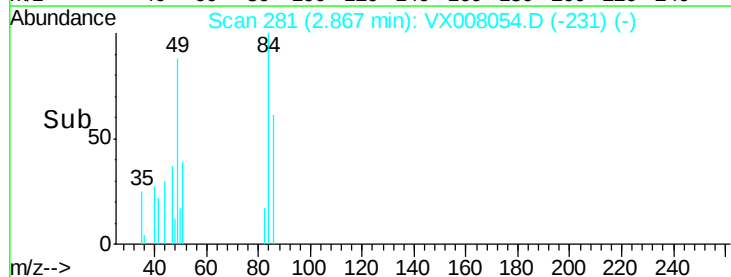
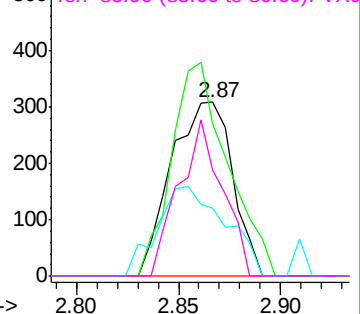
49 88.0 99.3 148.9#

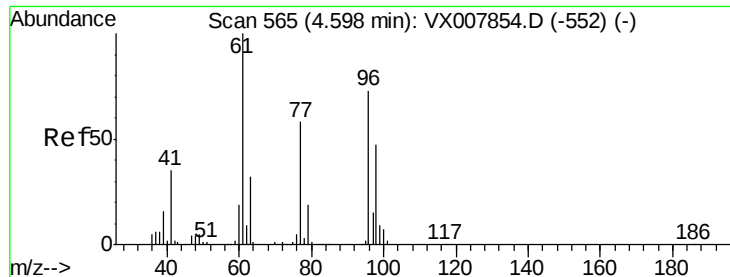
51 39.0 31.3 46.9

86 61.4 52.6 79.0



Abundance Ion 83.90 (83.60 to 84.60): VX0



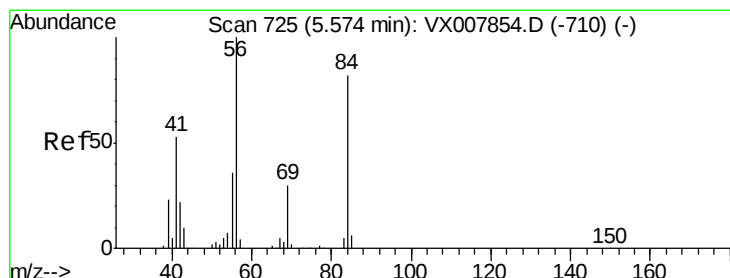
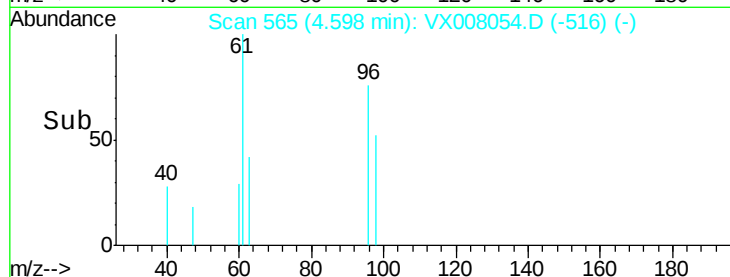
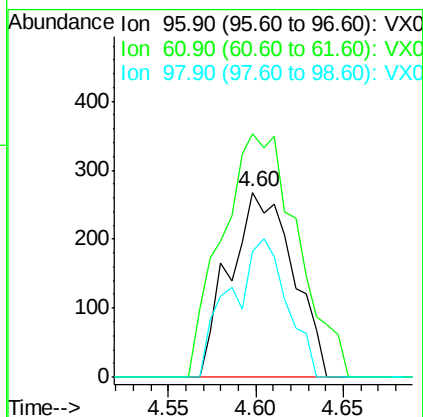
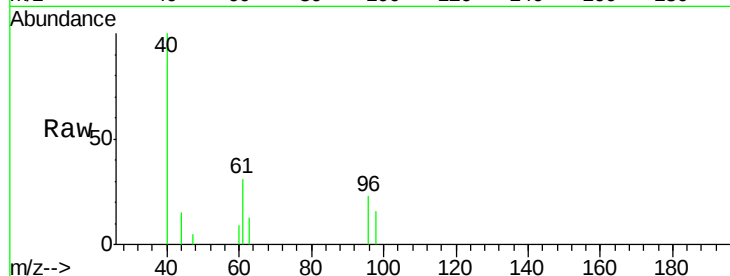


#27

cis-1,2-Dichloroethene
 Concen: 0.249 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX008054.D
 Acq: 13 Mar 2019 17:29

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW05D-M20W2-030619

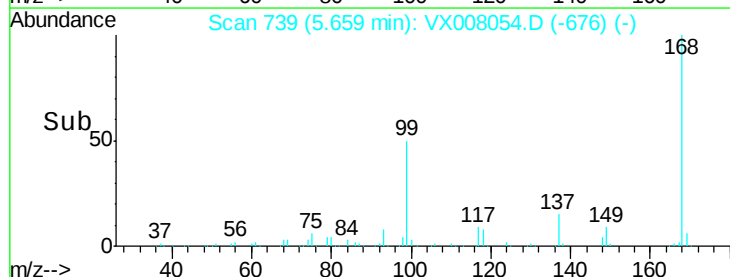
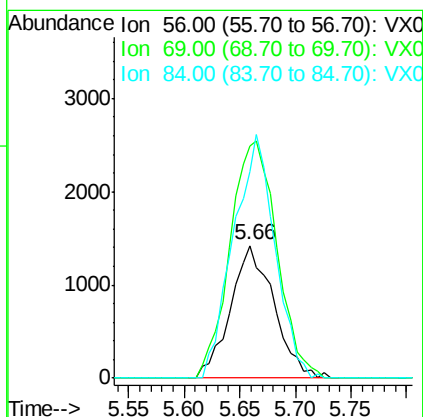
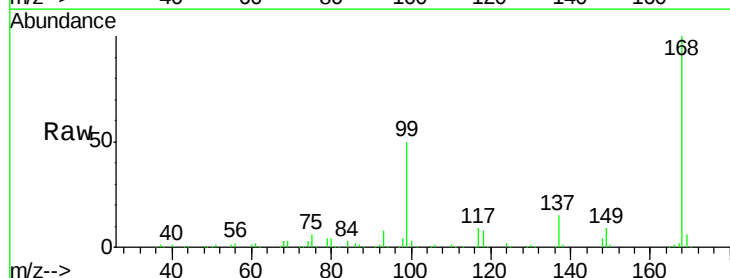
Tot Ion	Ratio	Lower	Upper
96	100		
61	157.3	0.0	288.0
98	66.8	0.0	129.0

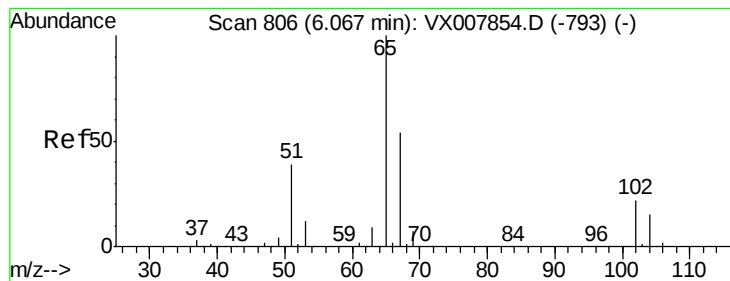


#31

Cyclohexane
 Concen: 0.938 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. 0.09 min
 Lab File: VX008054.D
 Acq: 13 Mar 2019 17:29

Tgt Ion	Ratio	Lower	Upper
56	100		
69	175.0	24.0	36.0#
84	155.8	65.3	97.9#





#33

1,2-Dichloroethane-d4

Concen: 50.626 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008054.D

Acq: 13 Mar 2019 17:29

Instrument :

MSVOA_X

ClientSampleId :

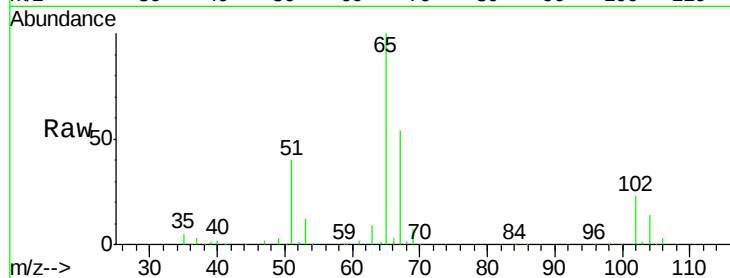
CPA-CPMW05D-M20W2-030619

Tot Ion: 65 Resp: 135396

Ion Ratio Lower Upper

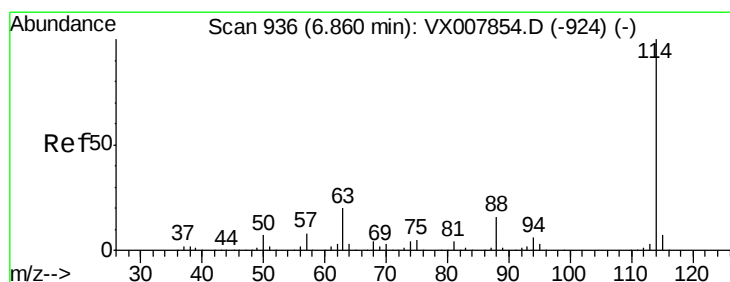
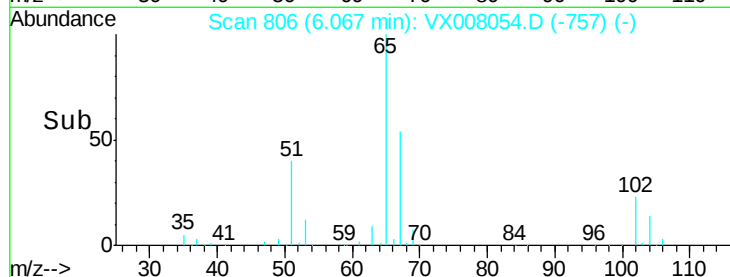
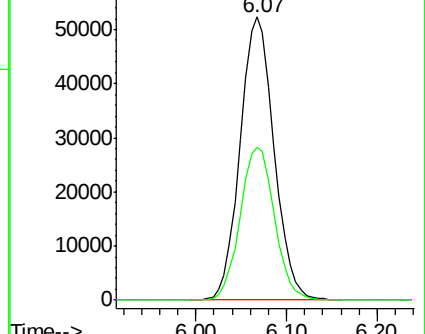
65 100

67 54.6 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008054.D

Acq: 13 Mar 2019 17:29

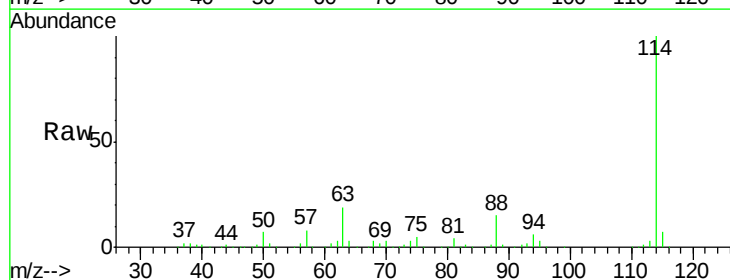
Tgt Ion: 114 Resp: 394779

Ion Ratio Lower Upper

114 100

63 18.7 0.0 39.8

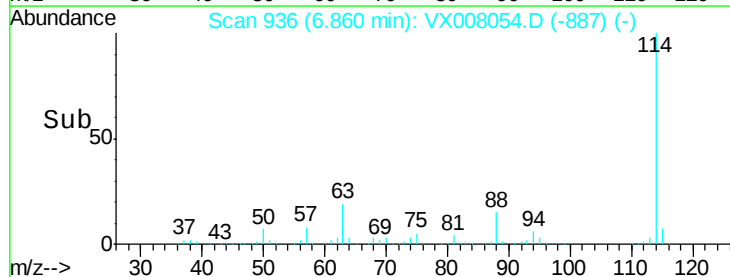
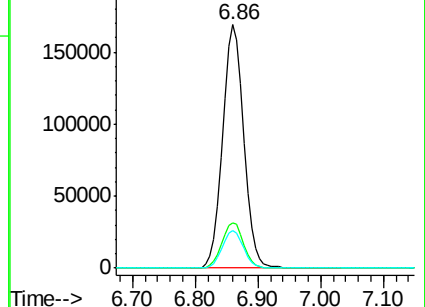
88 15.5 0.0 31.4

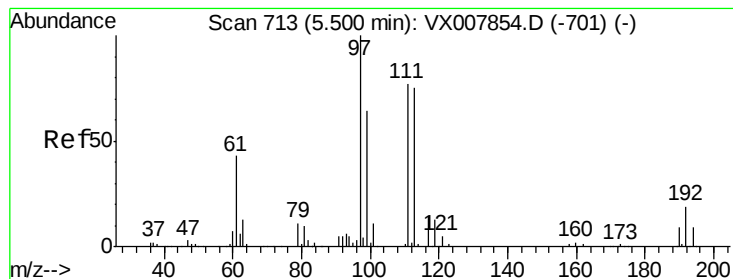


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.298 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX008054.D

Acq: 13 Mar 2019 17:29

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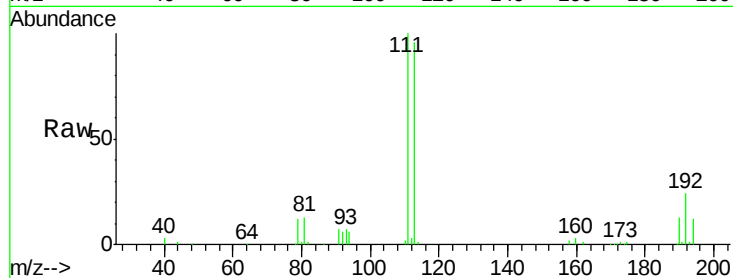
Tot Ion:113 Resp: 124491

Ion Ratio Lower Upper

113 100

111 103.4 81.4 122.0

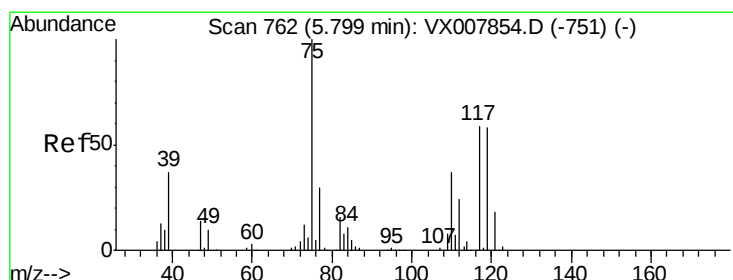
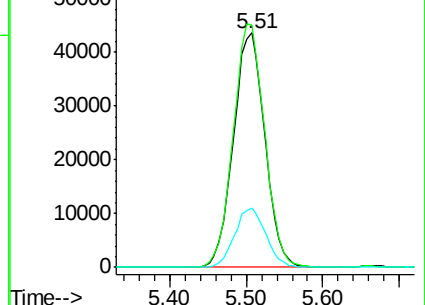
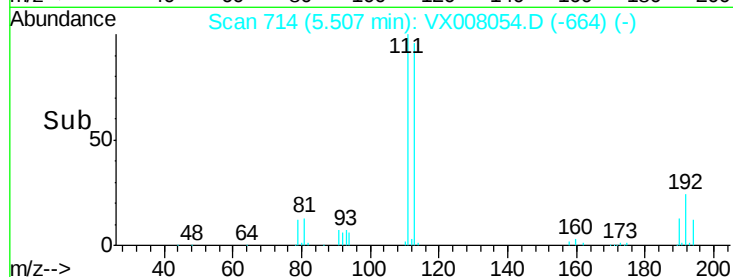
192 24.9 19.4 29.0



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: 4.290 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX008054.D

Acq: 13 Mar 2019 17:29

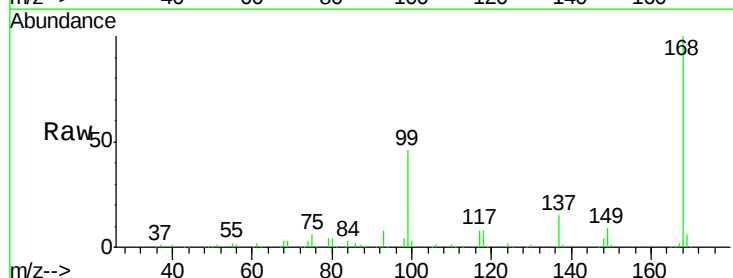
Tgt Ion: 75 Resp: 15334

Ion Ratio Lower Upper

75 100

110 9.3 18.4 55.0#

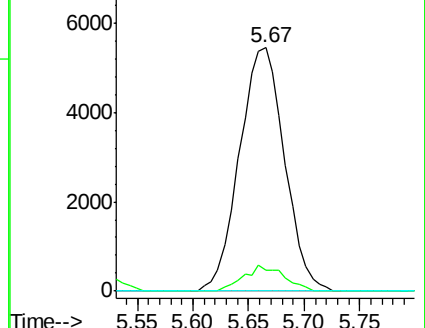
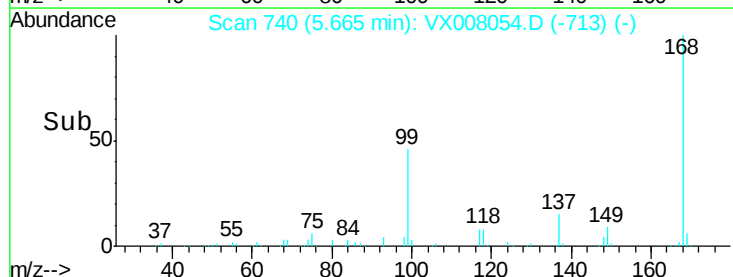
77 0.0 25.0 37.4#

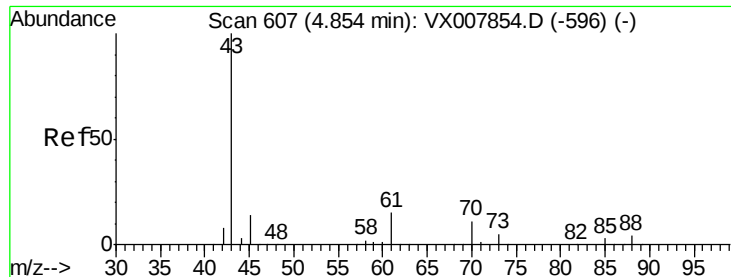


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 0.464 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.01 min

Lab File: VX008054.D

Acq: 13 Mar 2019 17:29

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW05D-M20W2-030619

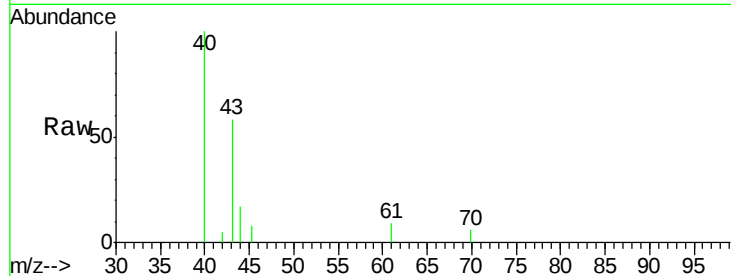
Tot Ion: 43 Resp: 1969

Ion Ratio Lower Upper

43 100

61 11.5 11.3 16.9

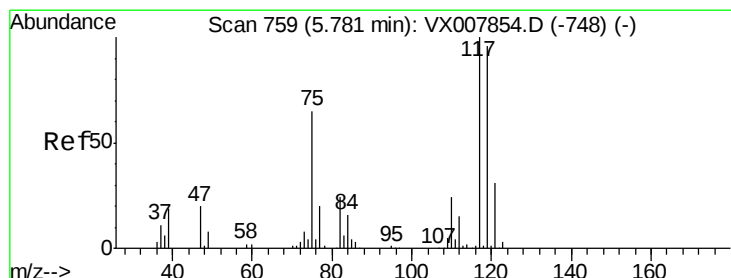
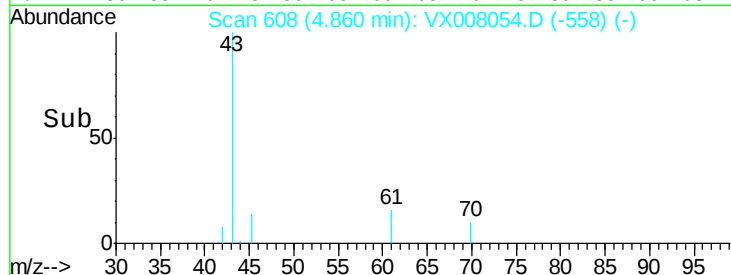
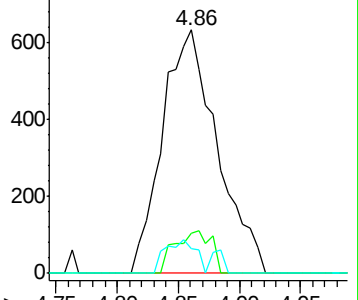
70 7.6 8.5 12.7#



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: 6.357 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008054.D

Acq: 13 Mar 2019 17:29

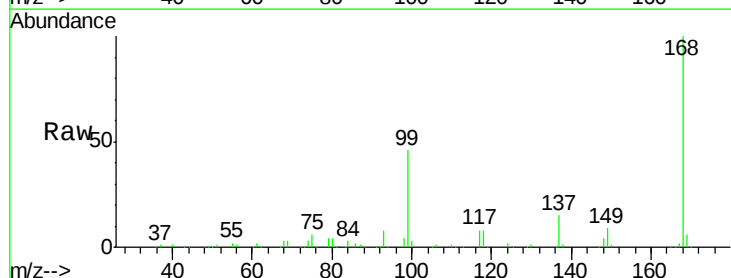
Tgt Ion: 117 Resp: 21572

Ion Ratio Lower Upper

117 100

119 4.8 76.2 114.2#

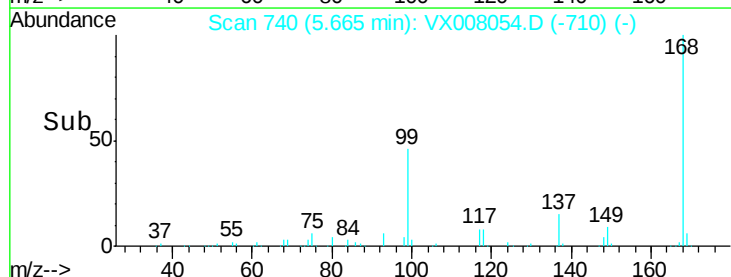
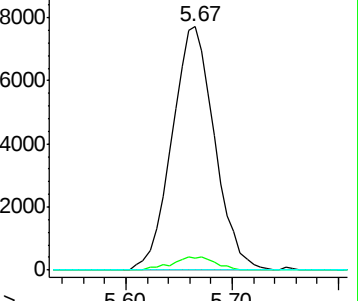
121 0.0 24.6 36.8#

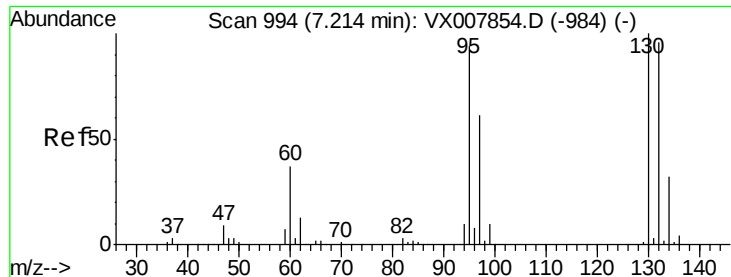


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 0.204 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008054.D

Acq: 13 Mar 2019 17:29

Instrument :

MSVOA_X

ClientSampleId :

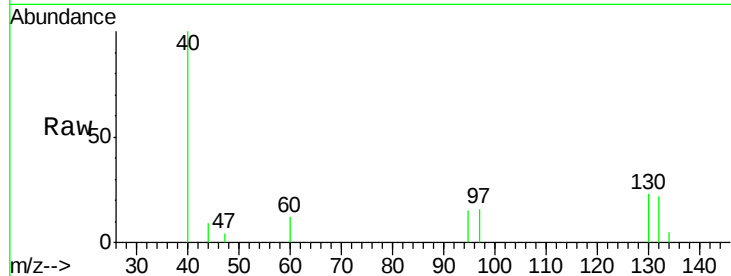
CPA-CPMW05D-M20W2-030619

Tot Ion:130 Resp: 599

Ion Ratio Lower Upper

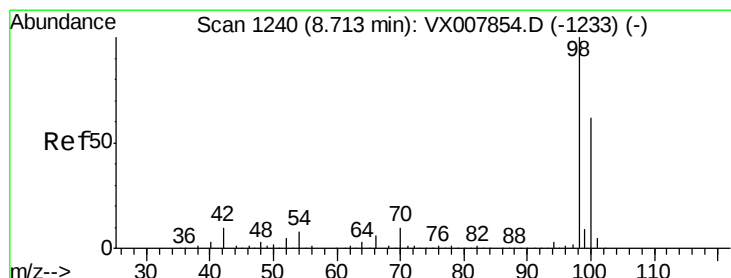
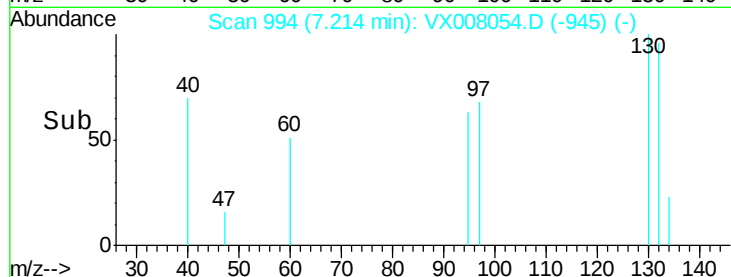
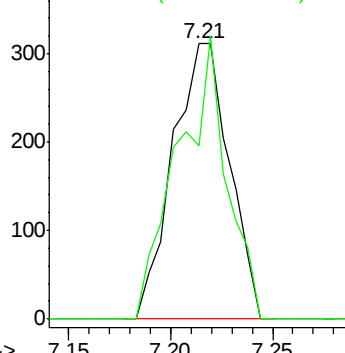
130 100

95 63.0 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 51.926 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008054.D

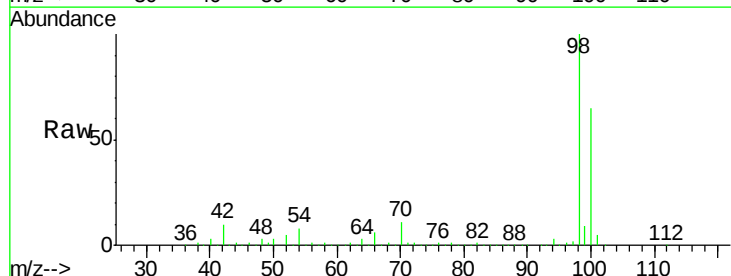
Acq: 13 Mar 2019 17:29

Tgt Ion: 98 Resp: 481572

Ion Ratio Lower Upper

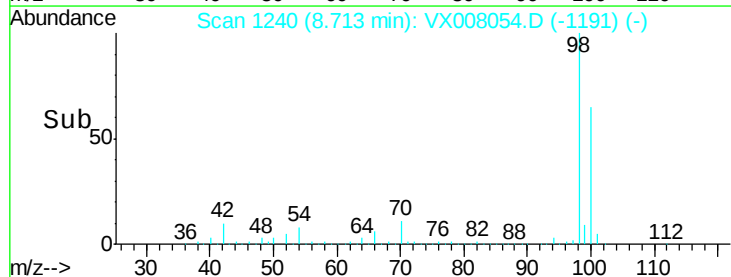
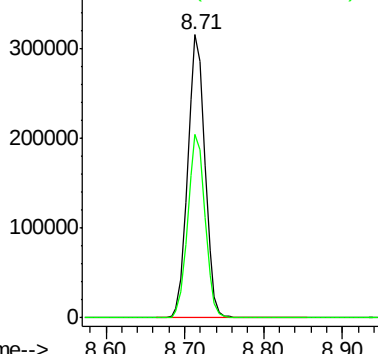
98 100

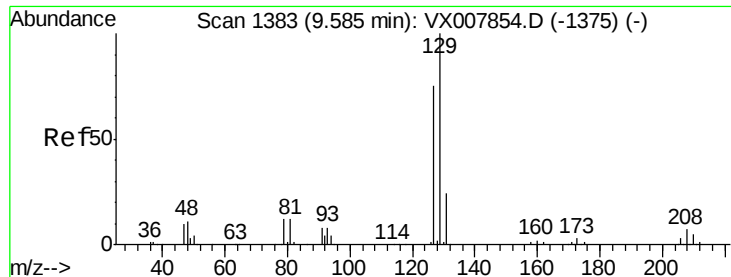
100 65.1 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

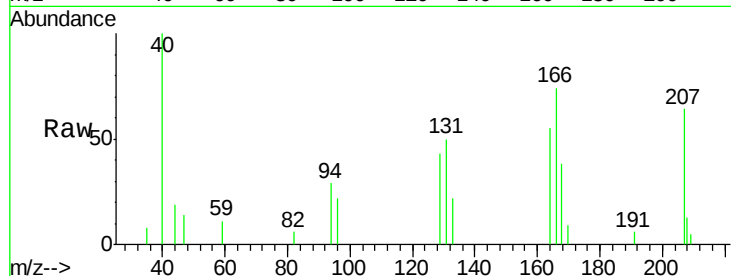




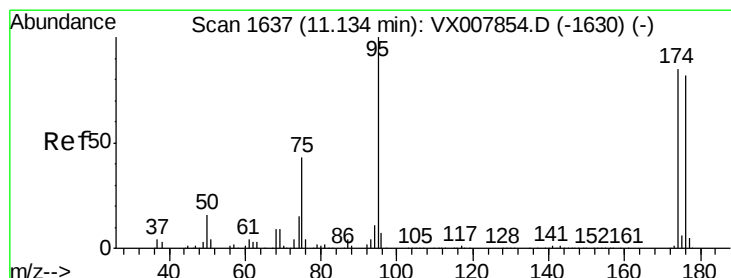
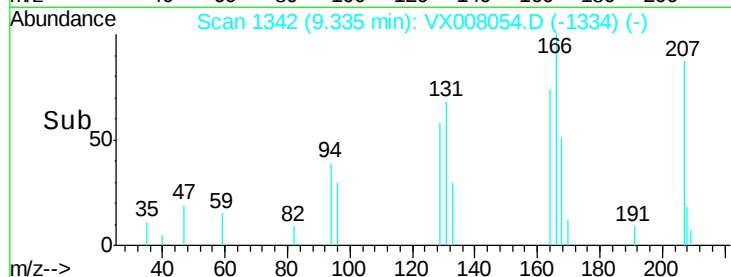
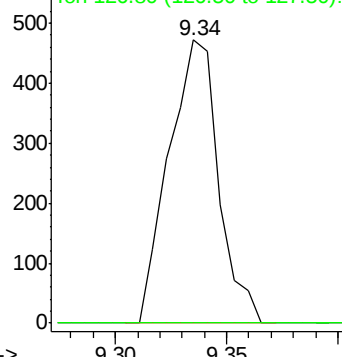
#60
 Dibromochloromethane
 Concen: 0.267 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.25 min
 Lab File: VX008054.D
 Acq: 13 Mar 2019 17:29

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW05D-M20W2-030619

Tot Ion:129 Resp: 733
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.3 114.8#

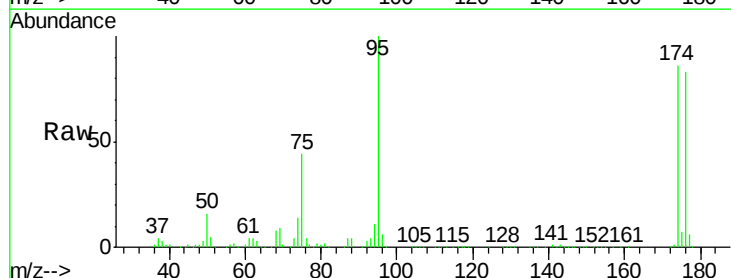


Abundance Ion 128.80 (128.50 to 129.50): V
 Ion 126.80 (126.50 to 127.50): V

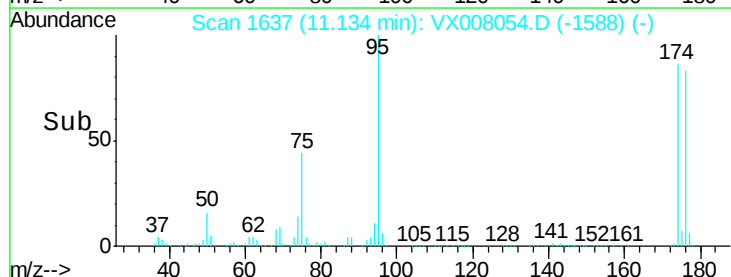
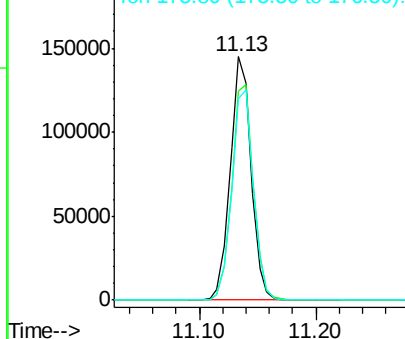


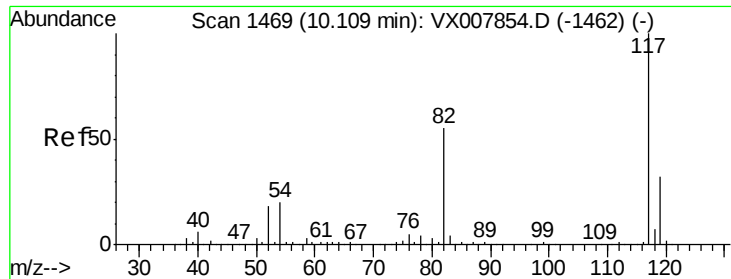
#62
 4-Bromofluorobenzene
 Concen: 55.748 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX008054.D
 Acq: 13 Mar 2019 17:29

Tgt Ion: 95 Resp: 181267
 Ion Ratio Lower Upper
 95 100
 174 91.8 0.0 182.8
 176 89.4 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

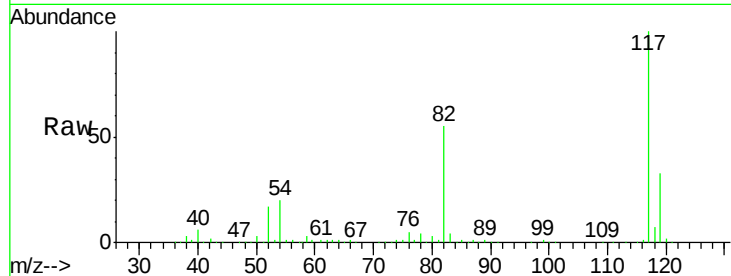




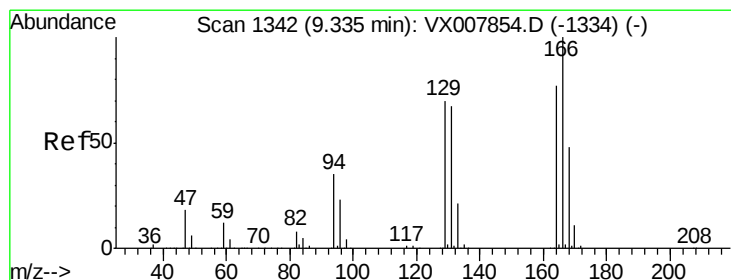
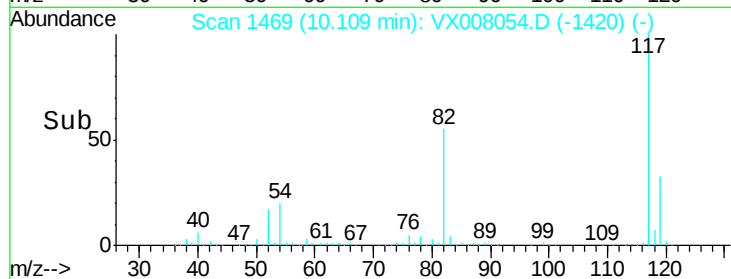
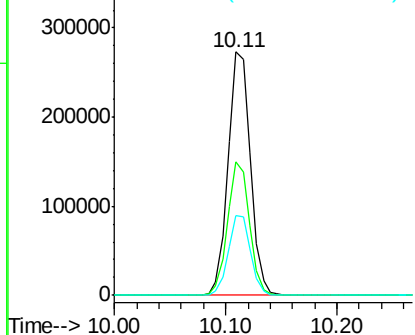
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008054.D
Acq: 13 Mar 2019 17:29

Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW05D-M20W2-030619

Tot Ion:117 Resp: 379532
Ion Ratio Lower Upper
117 100
82 54.8 44.3 66.5
119 32.7 25.3 37.9



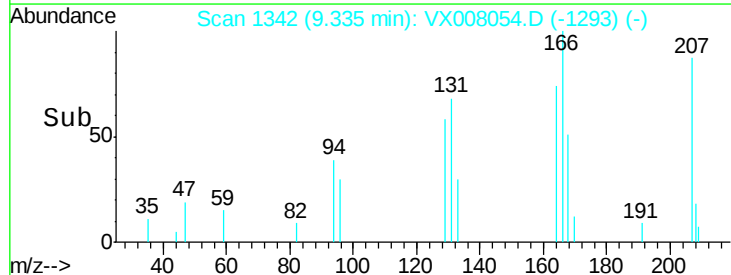
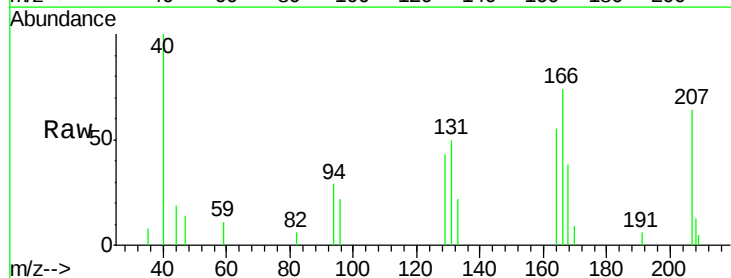
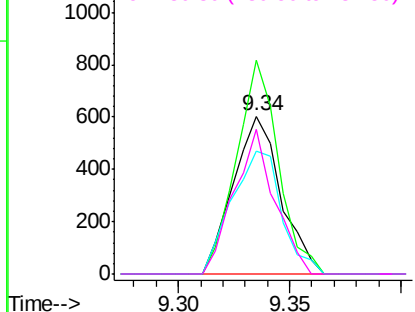
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

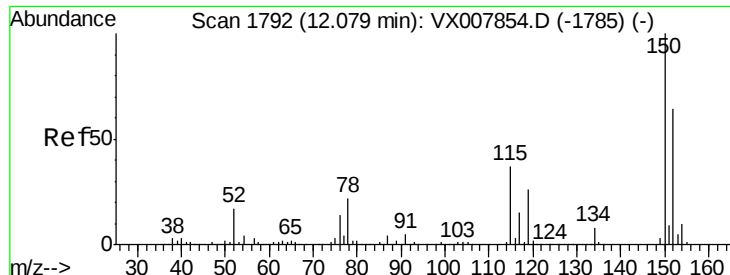


#64
Tetrachloroethene
Concen: 0.285 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008054.D
Acq: 13 Mar 2019 17:29

Tgt Ion:164 Resp: 897
Ion Ratio Lower Upper
164 100
166 135.1 103.4 155.0
129 78.1 72.2 108.4
131 91.2 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: VX008054.D

Acq: 13 Mar 2019 17:29

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW05D-M20W2-030619

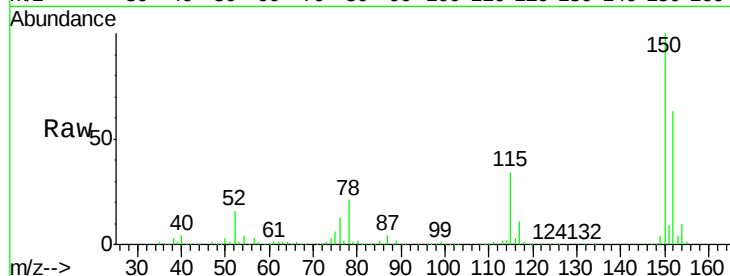
Tot Ion:152 Resp: 186450

Ion Ratio Lower Upper

152 100

115 54.8 38.6 115.7

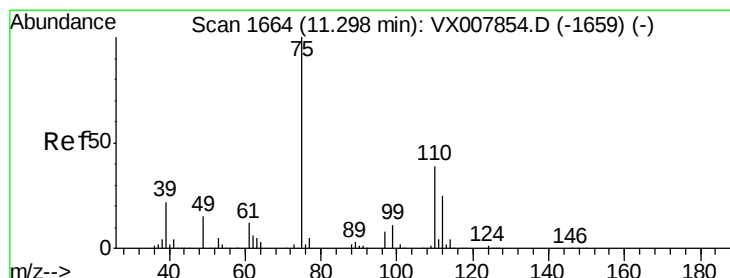
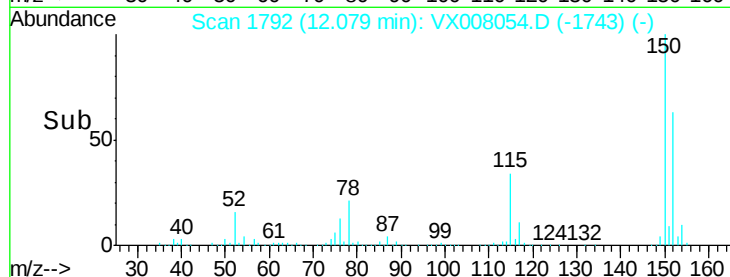
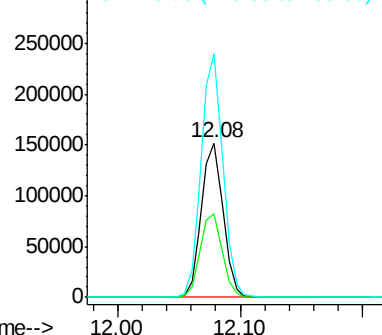
150 156.8 0.0 348.4



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: 20.684 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008054.D

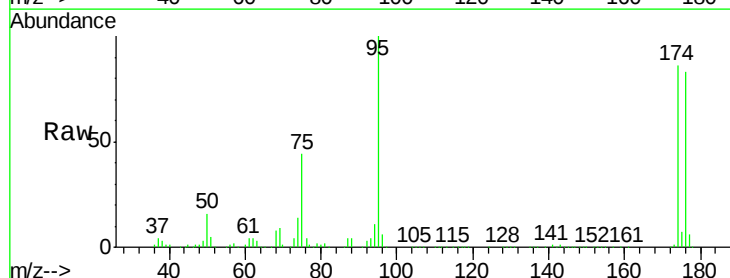
Acq: 13 Mar 2019 17:29

Tgt Ion: 75 Resp: 80928

Ion Ratio Lower Upper

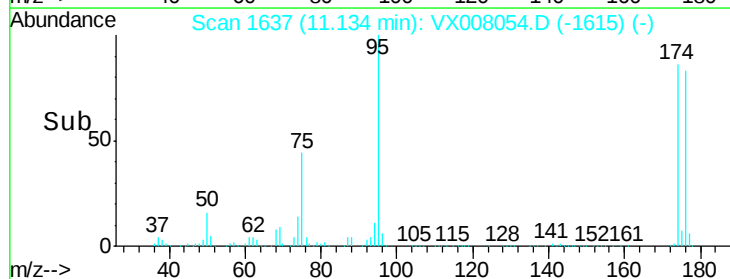
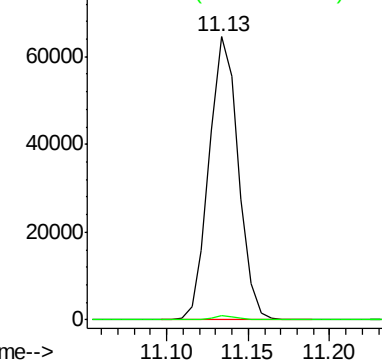
75 100

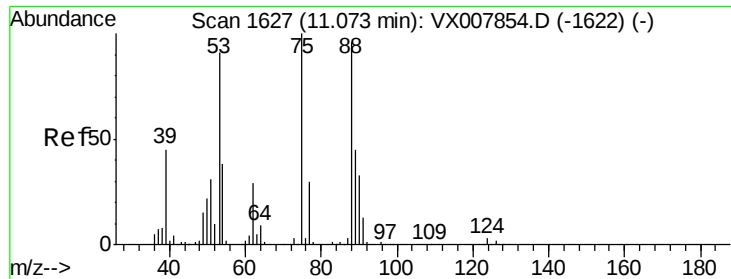
77 1.2 18.9 56.7#



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: 66.118 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008054.D

Acq: 13 Mar 2019 17:29

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW05D-M20W2-030619

Tot Ion: 75 Resp: 80928

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

89 0.0 36.3 54.5#

