

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031319\
 Data File : VX008057.D
 Acq On : 13 Mar 2019 18:49
 Operator : JC/SP
 Sample : K1828-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW10D-M20W2-030519

Quant Time: Mar 14 04:19:36 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	250217	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	388604	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	370466	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	179020	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	133677	50.64	ug/l	0.00
Spiked Amount			Recovery	=	101.28%	
35) Dibromofluoromethane	5.50	113	125361	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
50) Toluene-d8	8.71	98	472444	51.75	ug/l	0.00
Spiked Amount			Recovery	=	103.50%	
62) 4-Bromofluorobenzene	11.13	95	173013	54.05	ug/l	0.00
Spiked Amount			Recovery	=	108.10%	

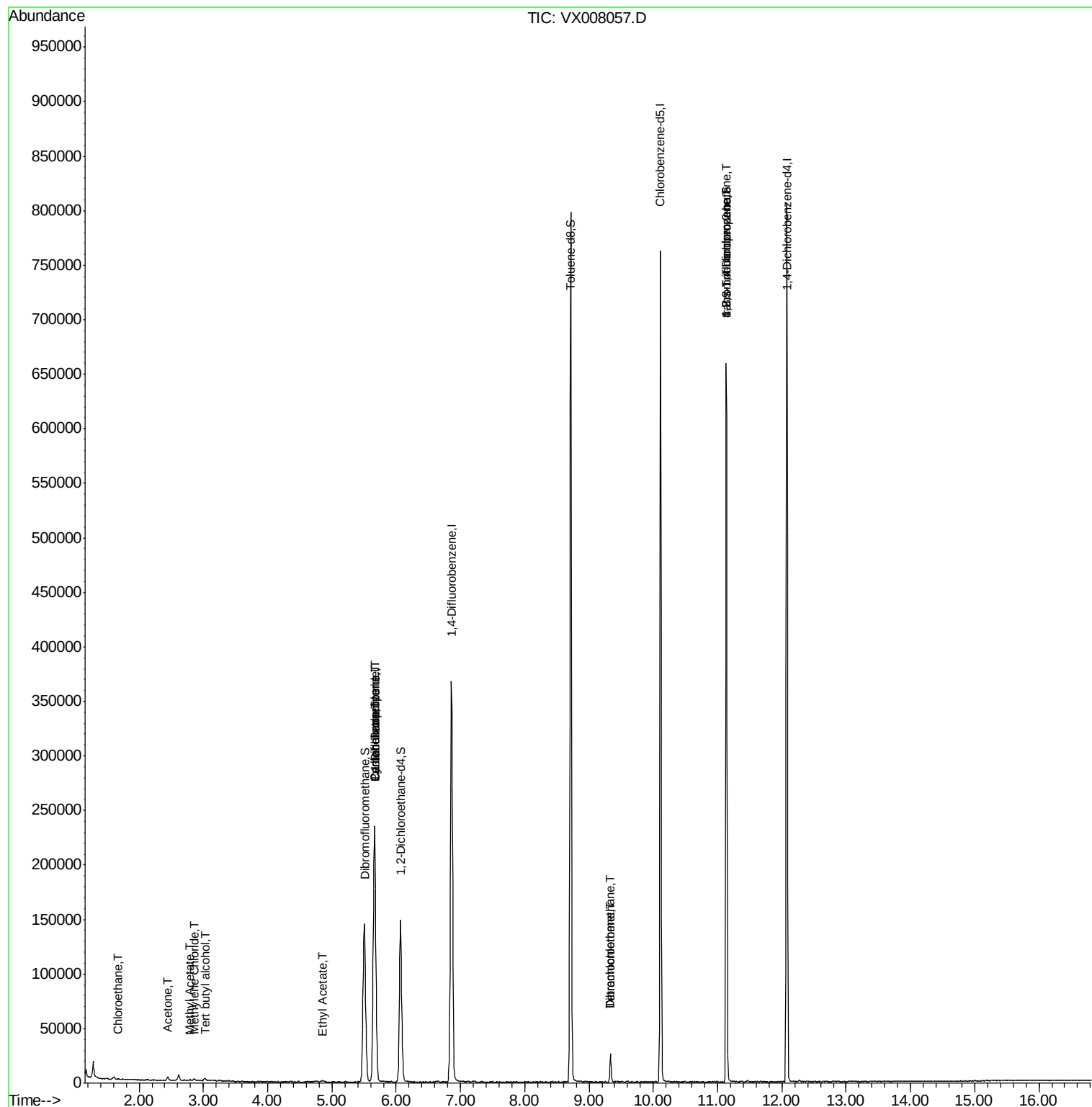
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	125	Below Cal	#	2
6) Chloroethane	1.67	64	1839	1.011	ug/l #	63
11) Tert butyl alcohol	3.02	59	1340	2.270	ug/l #	73
16) Acetone	2.45	43	3520	2.304	ug/l	96
17) Carbon Disulfide	2.57	76	384	Below Cal	#	75
18) Methyl Acetate	2.78	43	675	0.208	ug/l #	77
20) Methylene Chloride	2.85	84	563	0.232	ug/l #	86
31) Cyclohexane	5.67	56	3826	0.943	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15165	4.310	ug/l #	48
37) Ethyl Acetate	4.86	43	1814	0.434	ug/l #	93
38) Carbon Tetrachloride	5.66	117	21214	6.350	ug/l #	16
60) Dibromochloromethane	9.34	129	4671	1.726	ug/l #	11
64) Tetrachloroethene	9.34	164	5349	1.742	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	78997	21.029	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	78997	67.219	ug/l #	11

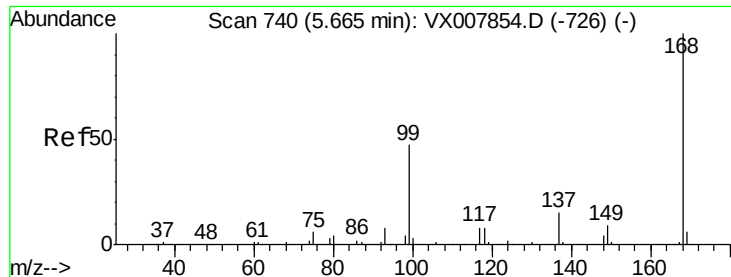
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX031319\
Data File : VX008057.D
Acq On : 13 Mar 2019 18:49
Operator : JC/SP
Sample : K1828-13
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW10D-M20W2-030519

Quant Time: Mar 14 04:19:36 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 07:33:26 2019
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: VX008057.D

Acq: 13 Mar 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

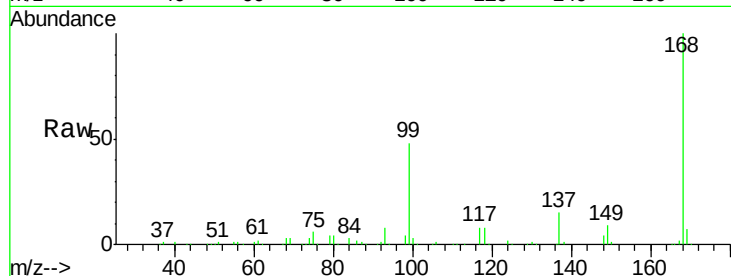
CPA-CPMW10D-M20W2-030519

Tot Ion:168 Resp: 250217

Ion Ratio Lower Upper

168 100

99 48.3 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

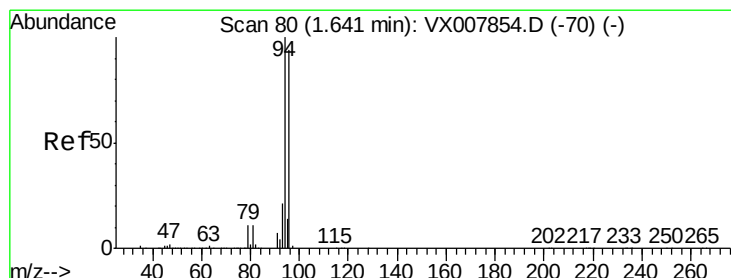
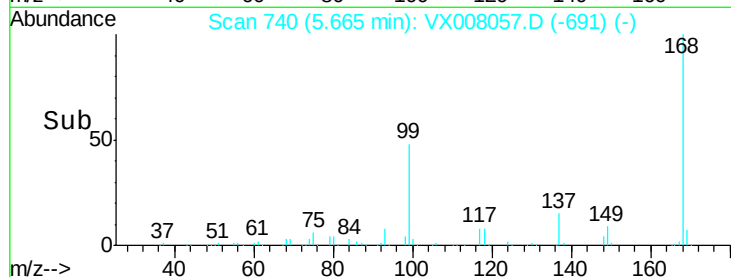
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008057.D

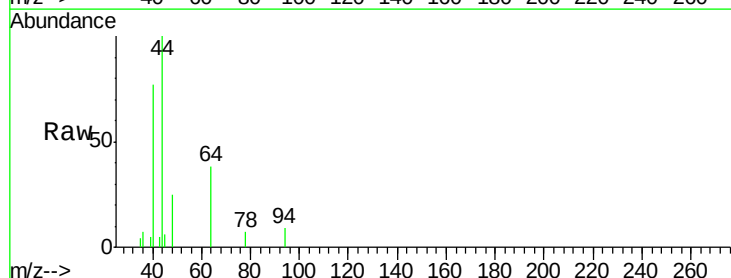
Acq: 13 Mar 2019 18:49

Tgt Ion: 94 Resp: 125

Ion Ratio Lower Upper

94 100

96 0.0 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

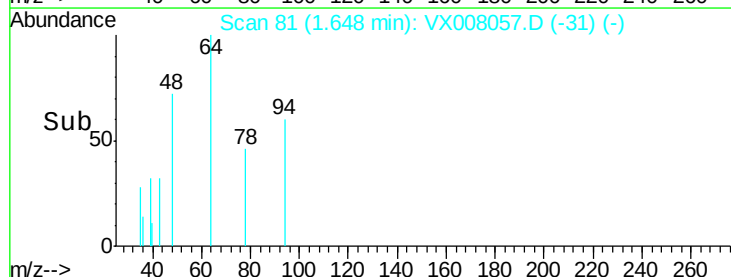
100

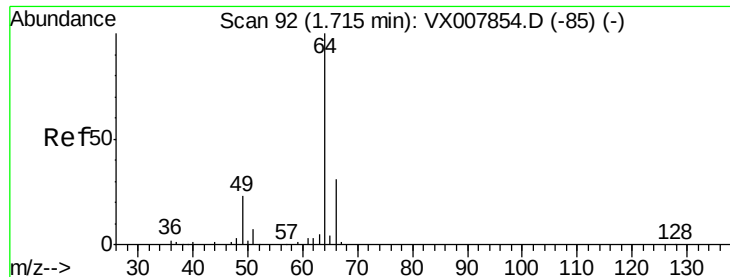
50

0

Time-->

1.62 1.64 1.66 1.68





#6

Chloroethane

Concen: 1.011 ug/l

RT: 1.67 min Scan# 85

Delta R.T. -0.04 min

Lab File: VX008057.D

Acq: 13 Mar 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

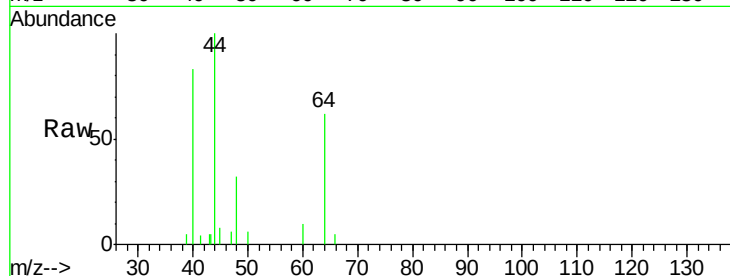
CPA-CPMW10D-M20W2-030519

Tot Ion: 64 Resp: 1839

Ion Ratio Lower Upper

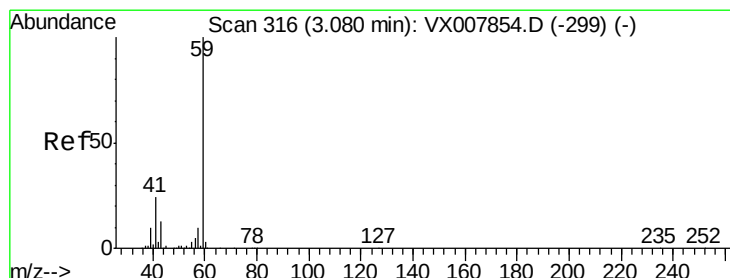
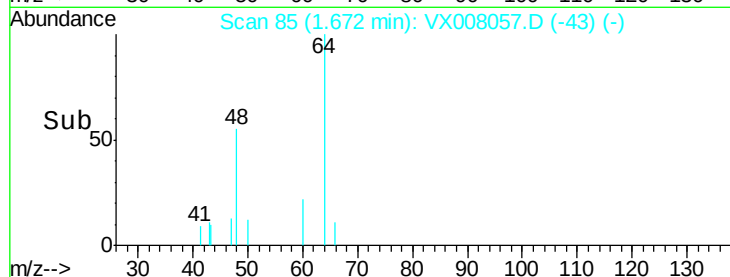
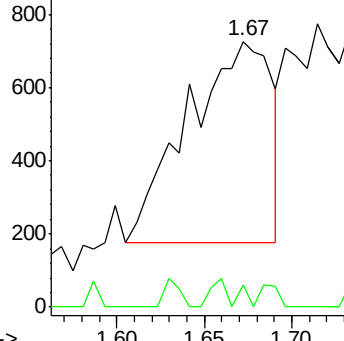
64 100

66 11.3 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: 2.270 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.06 min

Lab File: VX008057.D

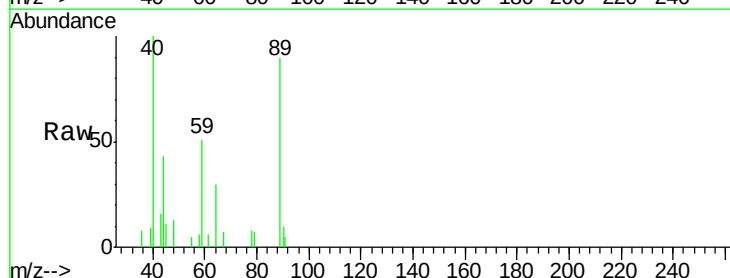
Acq: 13 Mar 2019 18:49

Tgt Ion: 59 Resp: 1340

Ion Ratio Lower Upper

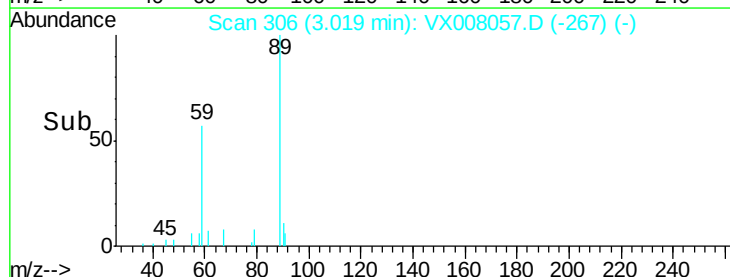
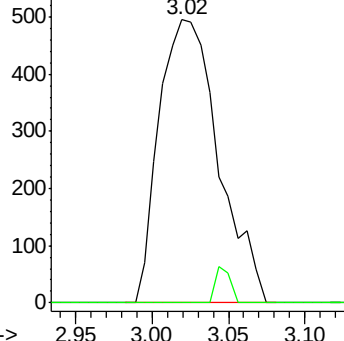
59 100

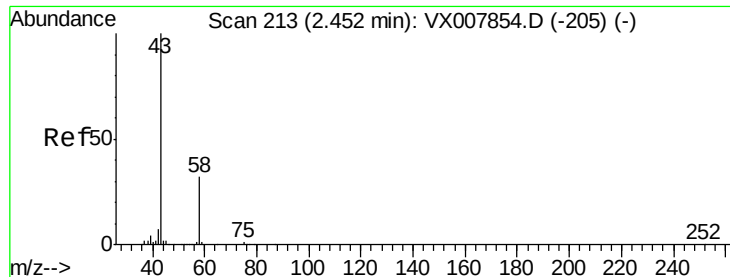
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 2.304 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX008057.D

Acq: 13 Mar 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

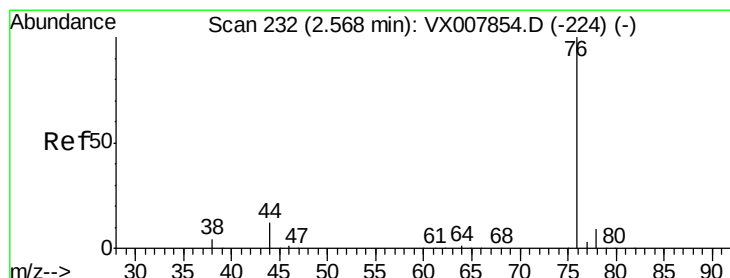
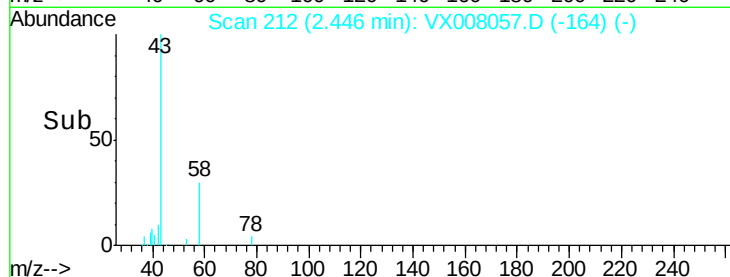
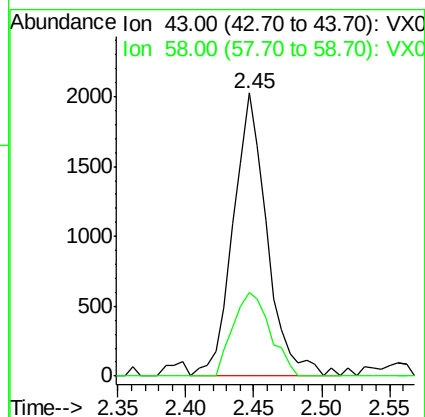
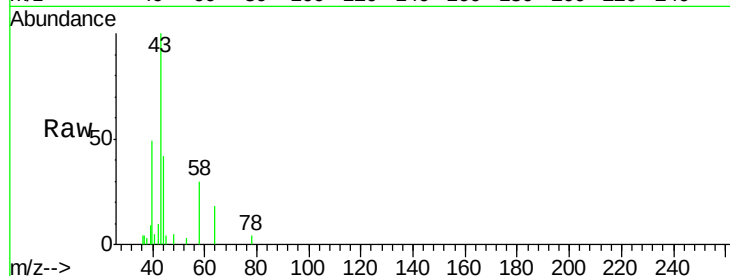
CPA-CPMW10D-M20W2-030519

Tot Ion: 43 Resp: 3520

Ion Ratio Lower Upper

43 100

58 29.6 25.5 38.3



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008057.D

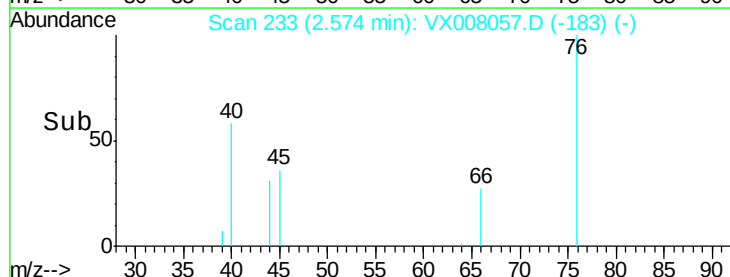
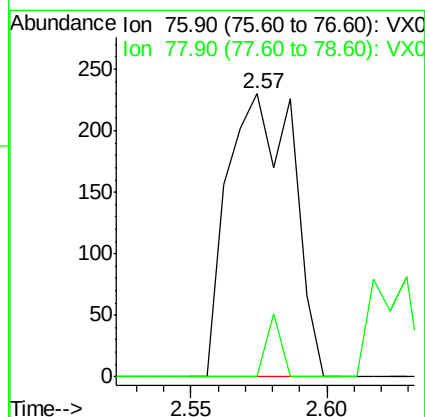
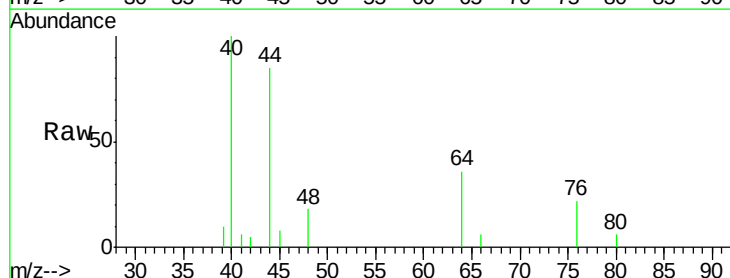
Acq: 13 Mar 2019 18:49

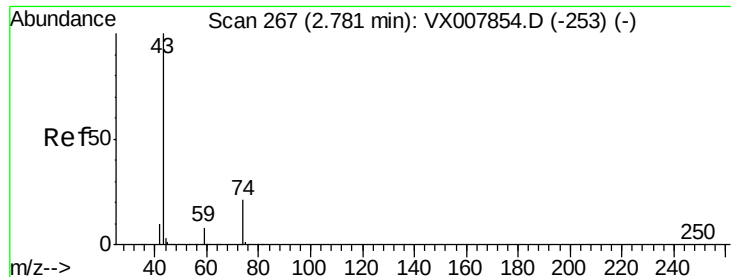
Tgt Ion: 76 Resp: 384

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#

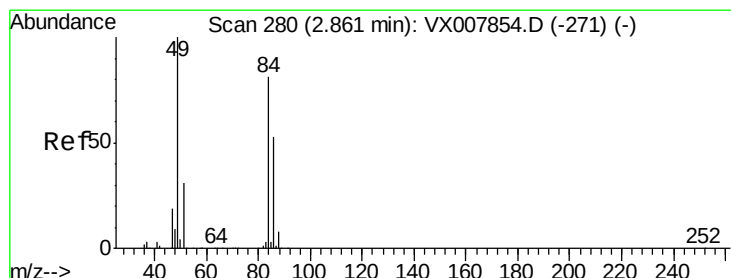
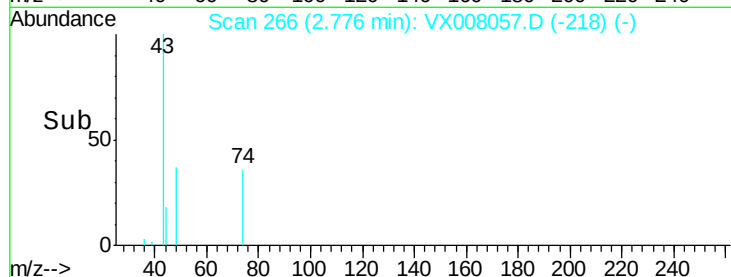
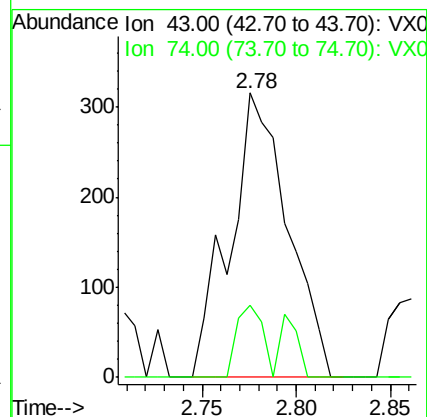
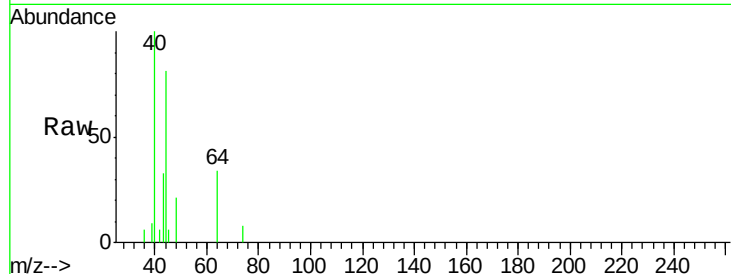




#18
Methyl Acetate
Concen: 0.208 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX008057.D
Acq: 13 Mar 2019 18:49

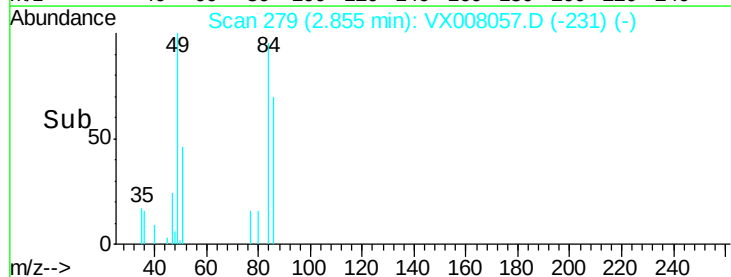
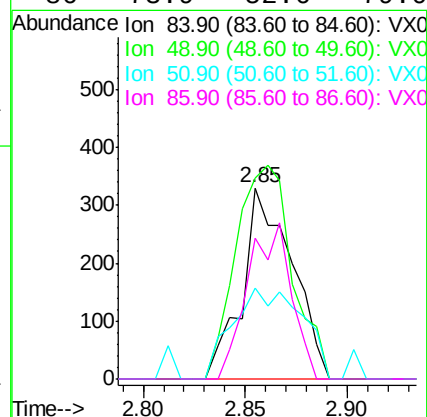
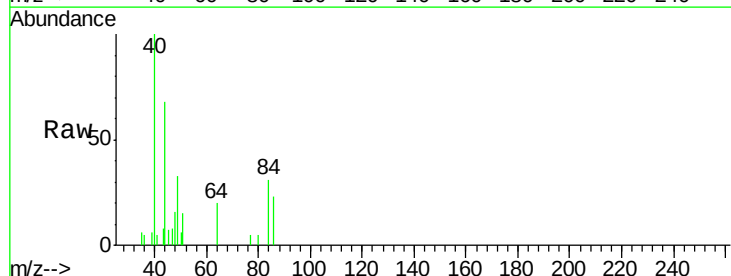
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW10D-M20W2-030519

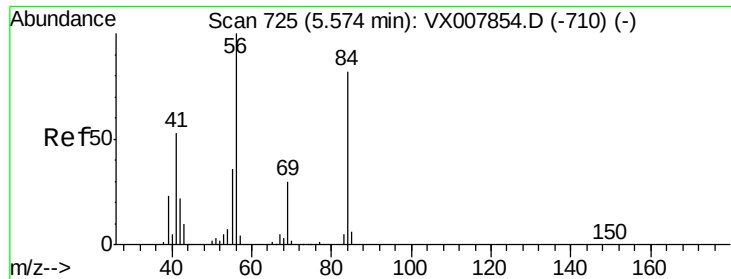
Tot Ion: 43 Resp: 675
Ion Ratio Lower Upper
43 100
74 11.1 17.8 26.6#



#20
Methylene Chloride
Concen: 0.232 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008057.D
Acq: 13 Mar 2019 18:49

Tgt Ion: 84 Resp: 563
Ion Ratio Lower Upper
84 100
49 105.2 99.3 148.9
51 47.9 31.3 46.9#
86 73.9 52.6 79.0

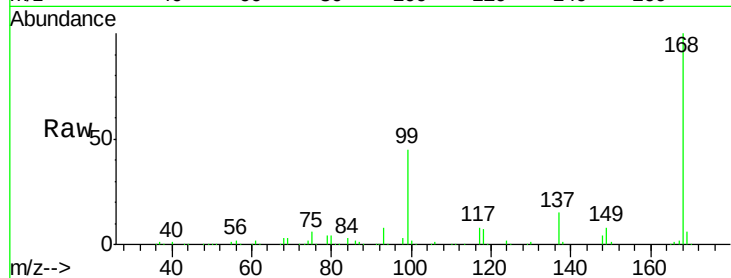




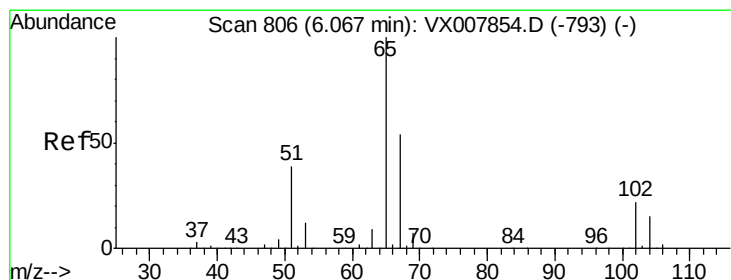
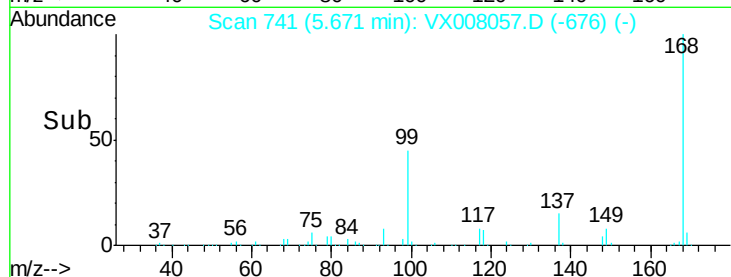
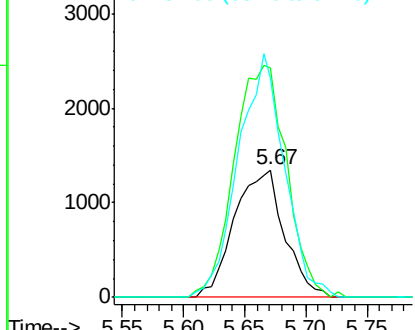
#31
Cyclohexane
Concen: 0.943 ug/l
RT: 5.67 min Scan# 741
Delta R.T. 0.10 min
Lab File: VX008057.D
Acq: 13 Mar 2019 18:49

Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW10D-M20W2-030519

Tot Ion: 56 Resp: 3826
Ion Ratio Lower Upper
56 100
69 180.0 24.0 36.0#
84 172.8 65.3 97.9#

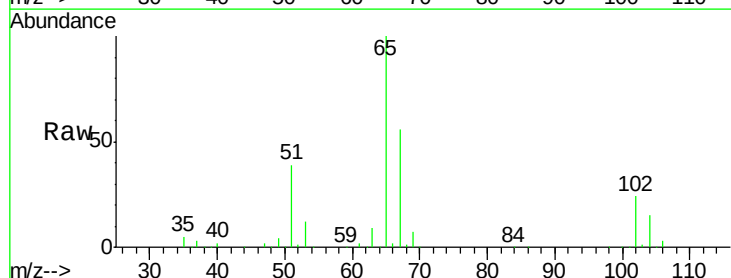


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

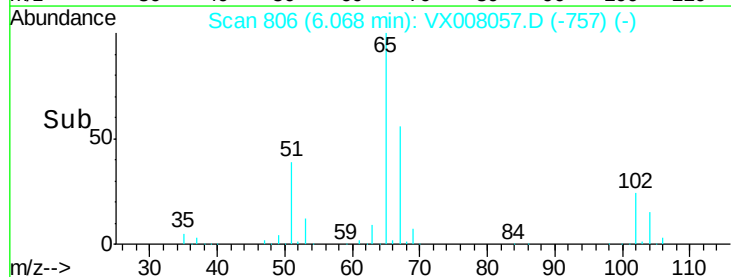
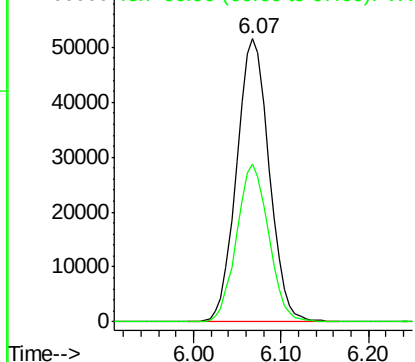


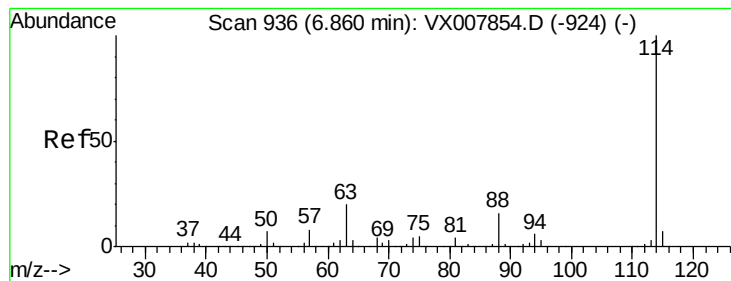
#33
1,2-Dichloroethane-d4
Concen: 50.644 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX008057.D
Acq: 13 Mar 2019 18:49

Tgt Ion: 65 Resp: 133677
Ion Ratio Lower Upper
65 100
67 55.0 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: VX008057.D

Acq: 13 Mar 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW10D-M20W2-030519

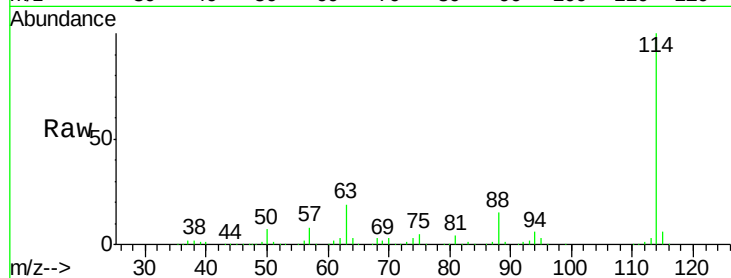
Tot Ion:114 Resp: 388604

Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.8

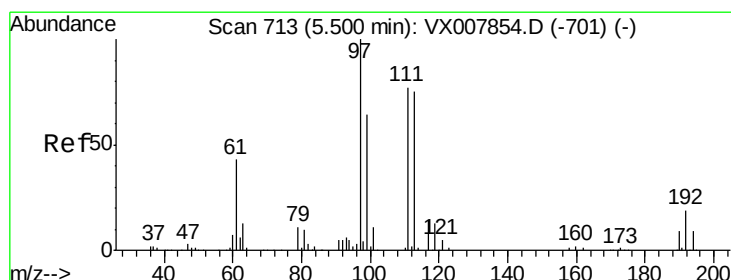
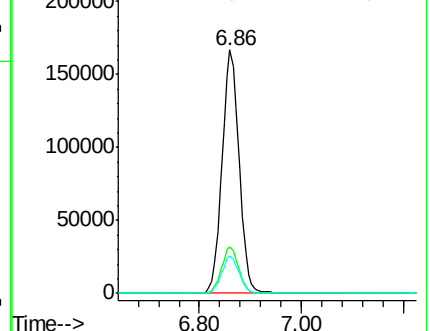
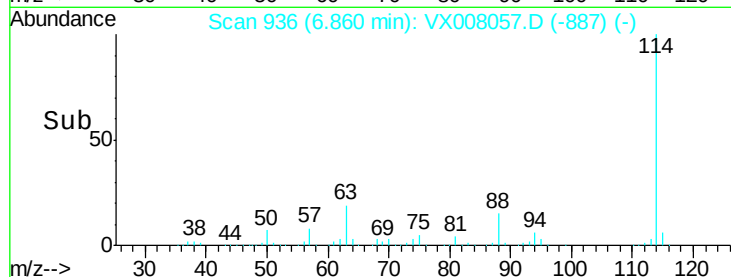
88 15.4 0.0 31.4



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: 50.431 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008057.D

Acq: 13 Mar 2019 18:49

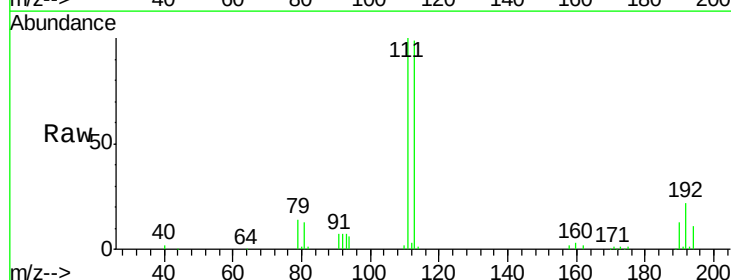
Tgt Ion:113 Resp: 125361

Ion Ratio Lower Upper

113 100

111 101.7 81.4 122.0

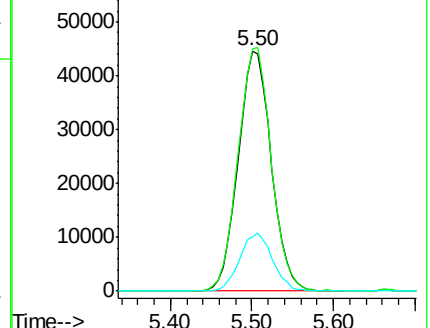
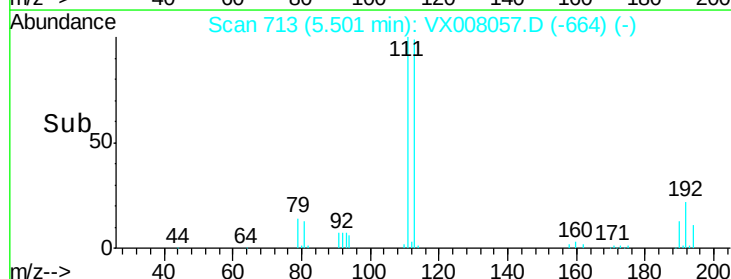
192 24.0 19.4 29.0

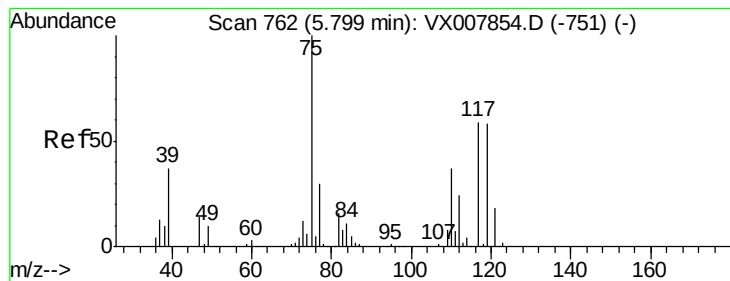


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.310 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX008057.D

Acq: 13 Mar 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW10D-M20W2-030519

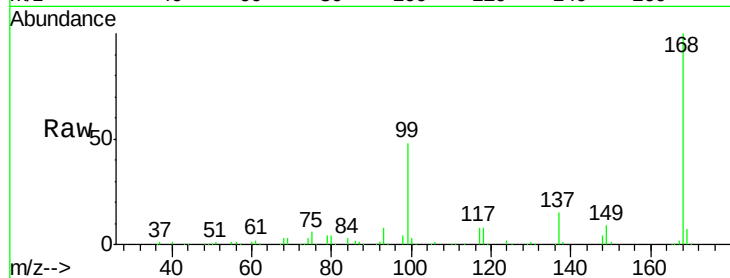
Tot Ion: 75 Resp: 15165

Ion Ratio Lower Upper

75 100

110 8.2 18.4 55.0#

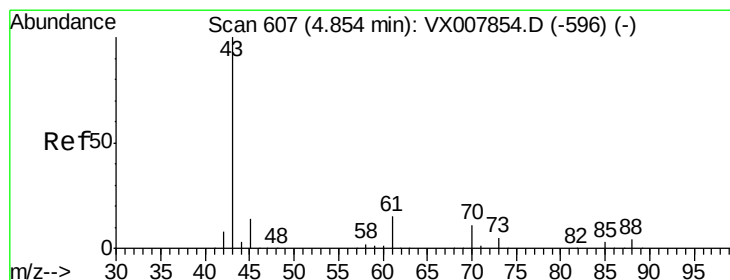
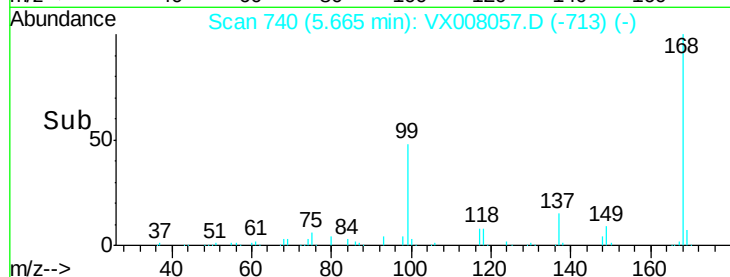
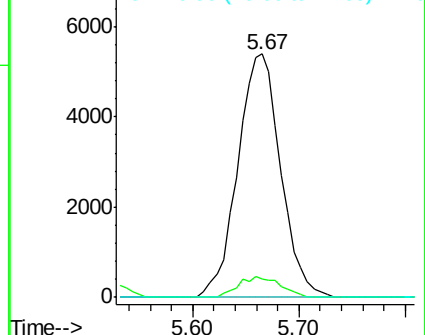
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 0.434 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.01 min

Lab File: VX008057.D

Acq: 13 Mar 2019 18:49

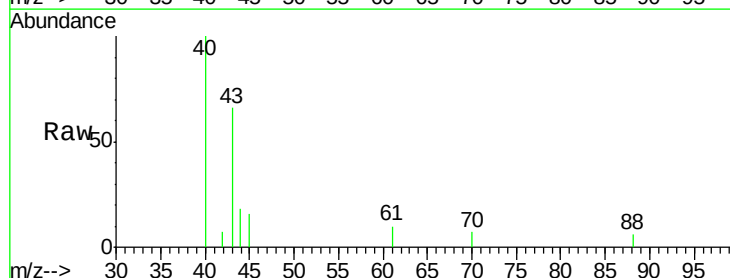
Tgt Ion: 43 Resp: 1814

Ion Ratio Lower Upper

43 100

61 11.6 11.3 16.9

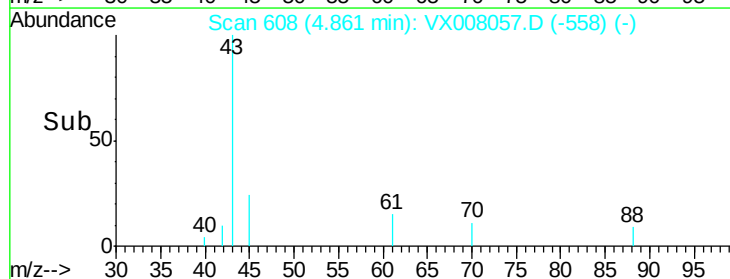
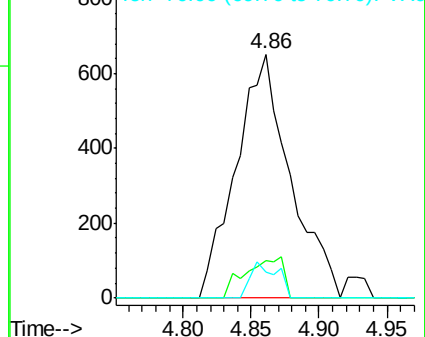
70 7.3 8.5 12.7#

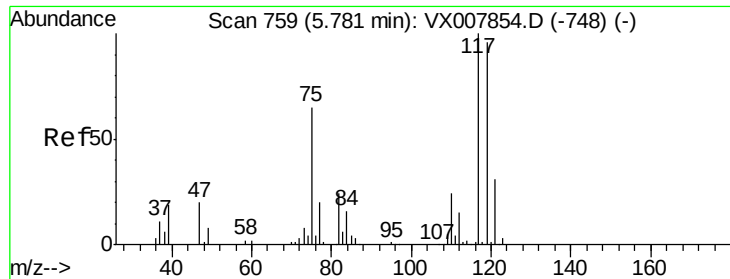


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 6.350 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX008057.D

Acq: 13 Mar 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW10D-M20W2-030519

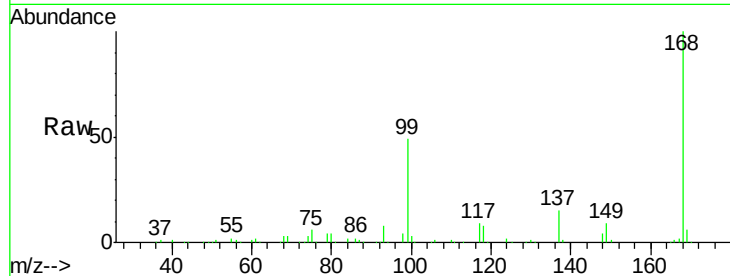
Tot Ion:117 Resp: 21214

Ion Ratio Lower Upper

117 100

119 4.9 76.2 114.2#

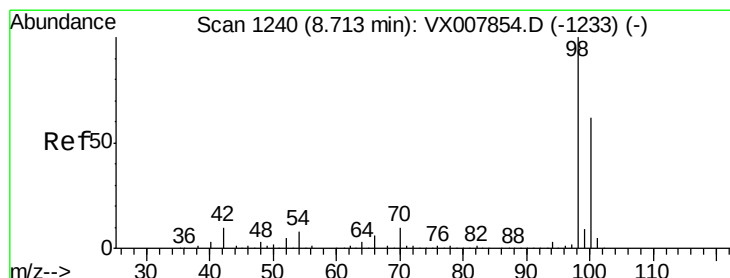
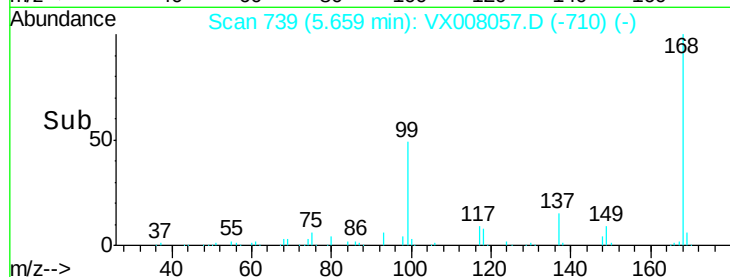
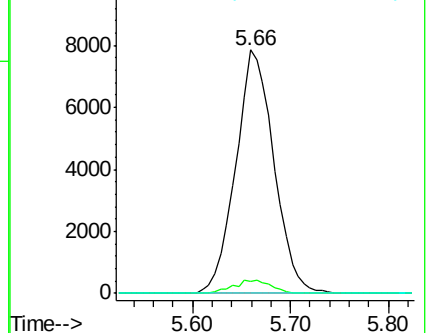
121 0.0 24.6 36.8#



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



#50

Toluene-d8

Concen: 51.751 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008057.D

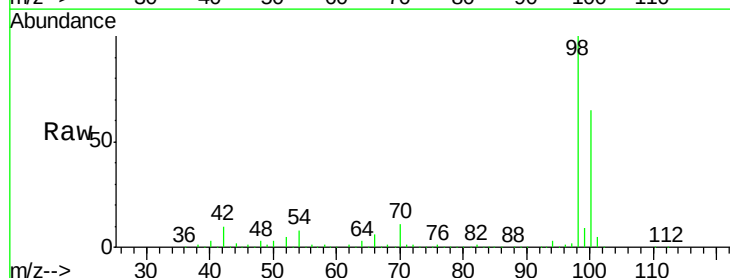
Acq: 13 Mar 2019 18:49

Tgt Ion: 98 Resp: 472444

Ion Ratio Lower Upper

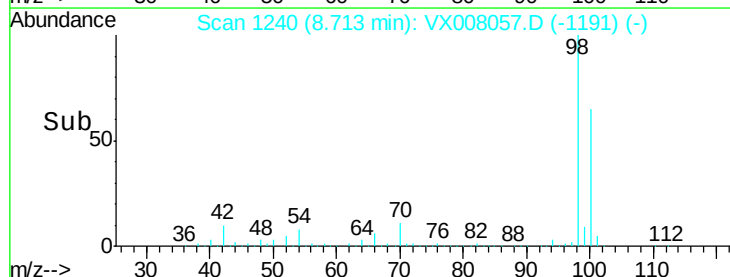
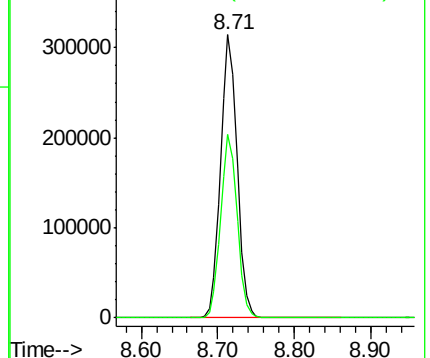
98 100

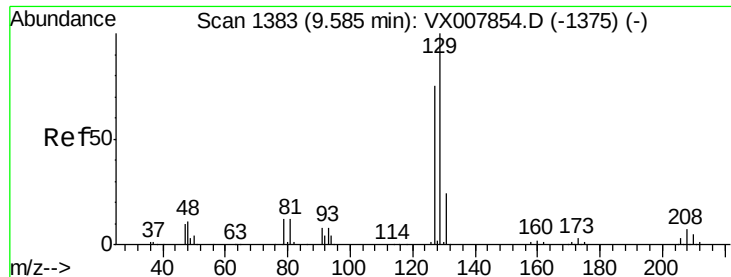
100 64.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

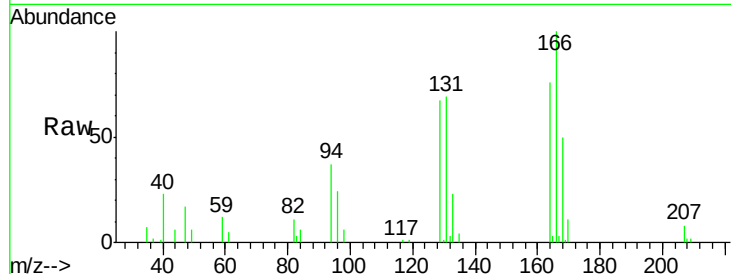




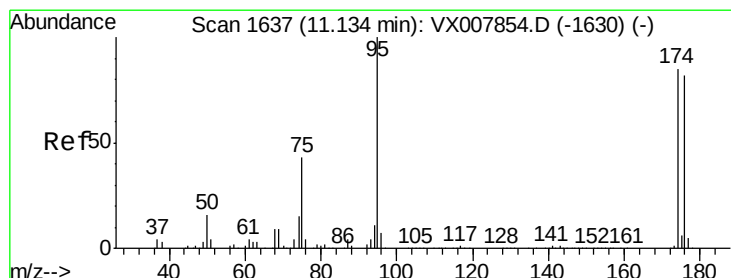
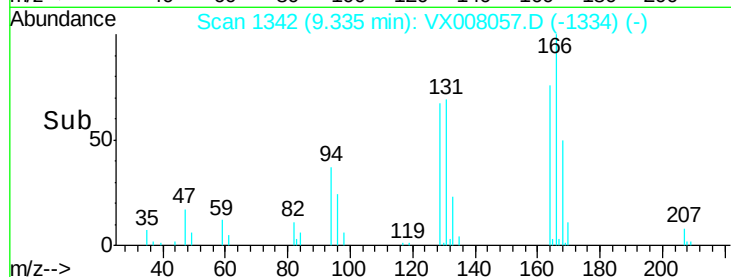
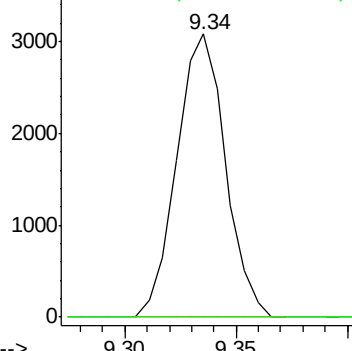
#60
Dibromochloromethane
Concen: 1.726 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.25 min
Lab File: VX008057.D
Acq: 13 Mar 2019 18:49

Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW10D-M20W2-030519

Tot Ion:129 Resp: 4671
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.8#

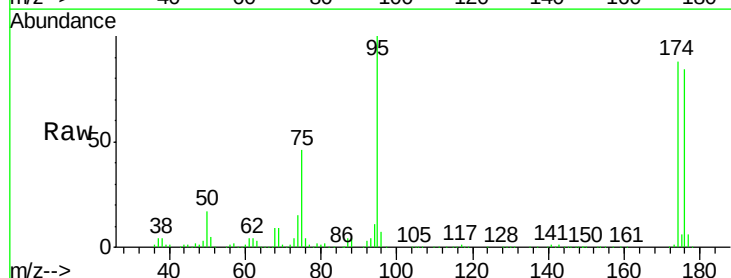


Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

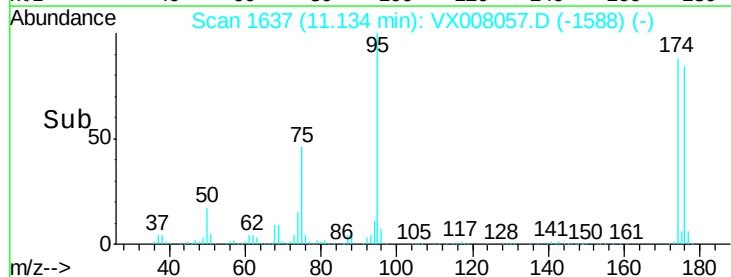
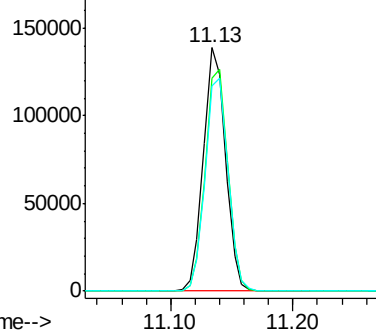


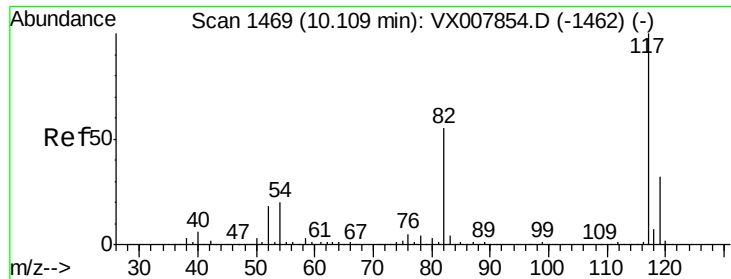
#62
4-Bromofluorobenzene
Concen: 54.055 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008057.D
Acq: 13 Mar 2019 18:49

Tgt Ion: 95 Resp: 173013
Ion Ratio Lower Upper
95 100
174 93.7 0.0 182.8
176 90.6 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

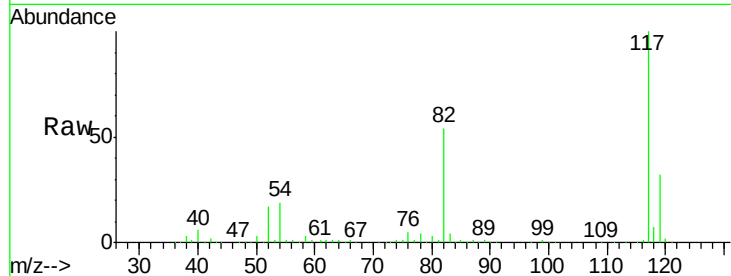




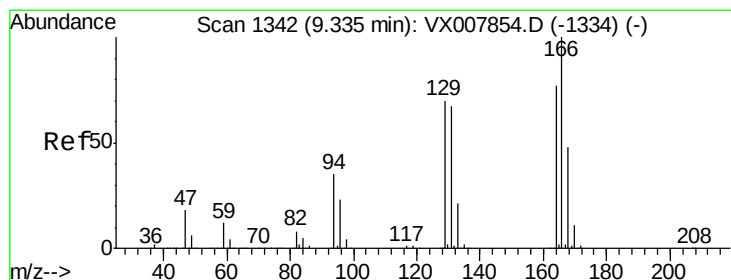
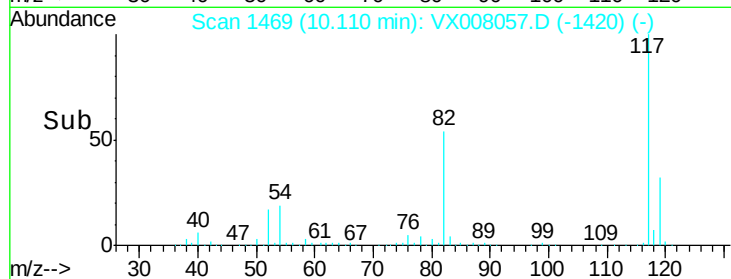
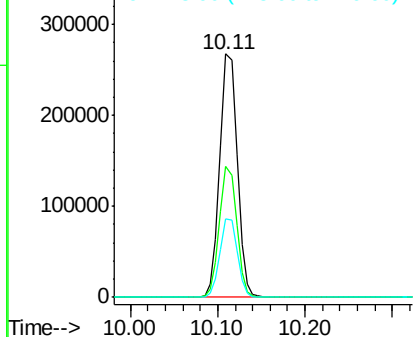
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008057.D
Acq: 13 Mar 2019 18:49

Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW10D-M20W2-030519

Tot Ion:117 Resp: 370466
Ion Ratio Lower Upper
117 100
82 53.9 44.3 66.5
119 32.2 25.3 37.9



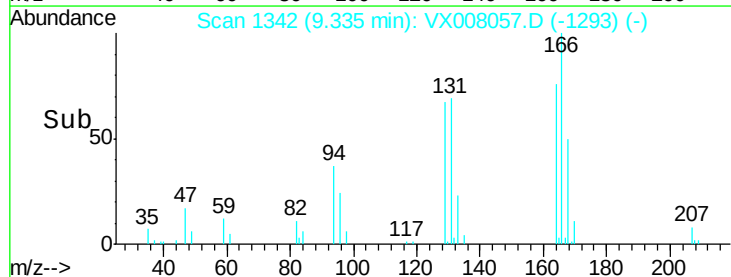
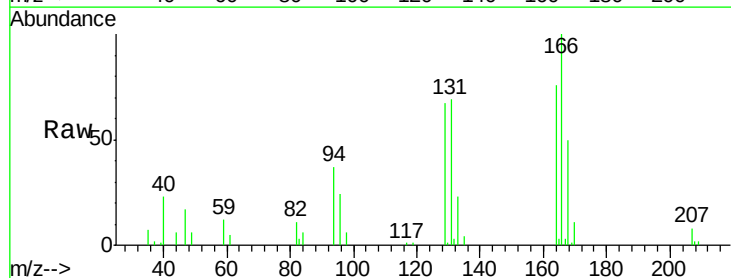
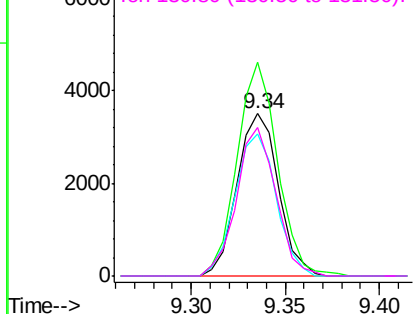
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

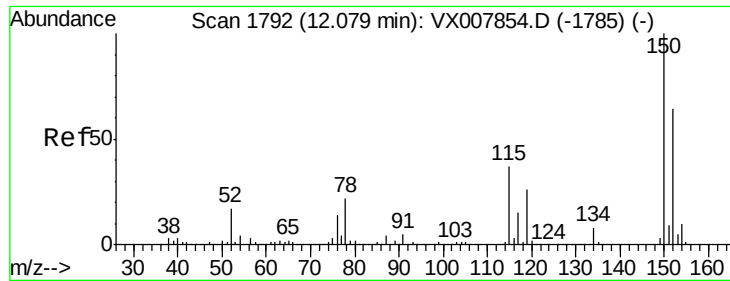


#64
Tetrachloroethene
Concen: 1.742 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008057.D
Acq: 13 Mar 2019 18:49

Tgt Ion:164 Resp: 5349
Ion Ratio Lower Upper
164 100
166 131.7 103.4 155.0
129 87.9 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



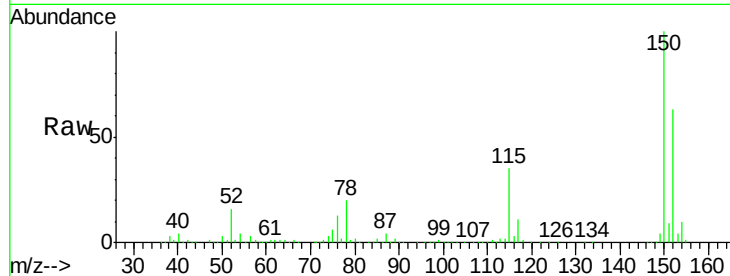


#72

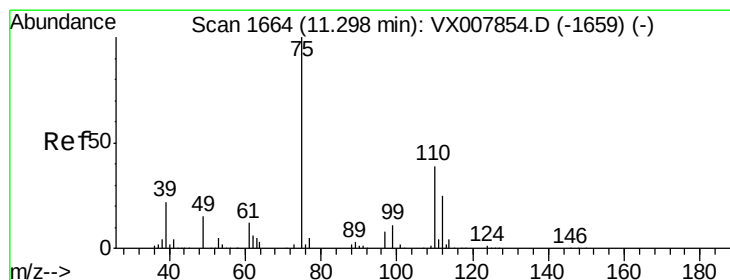
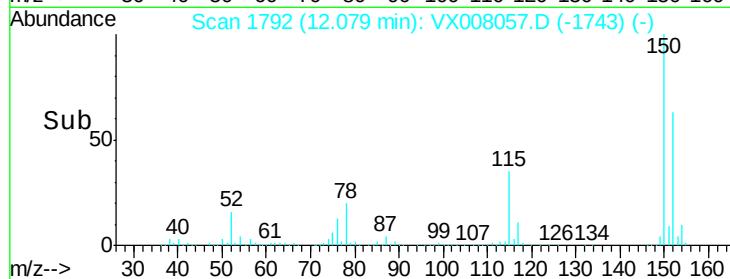
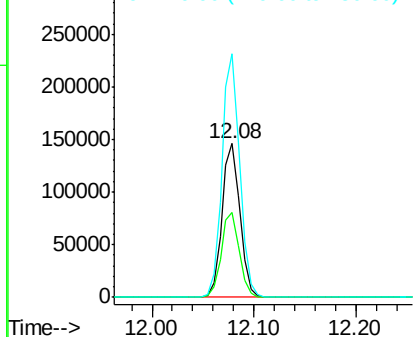
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008057.D
Acq: 13 Mar 2019 18:49

Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW10D-M20W2-030519

Tot Ion:152 Resp: 179020
Ion Ratio Lower Upper
152 100
115 55.2 38.6 115.7
150 157.0 0.0 348.4



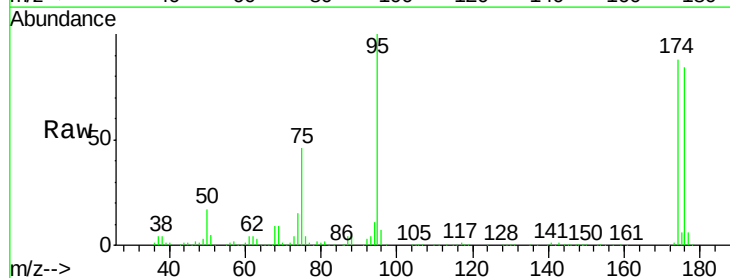
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



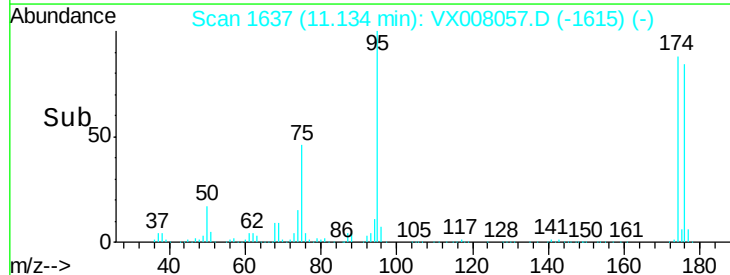
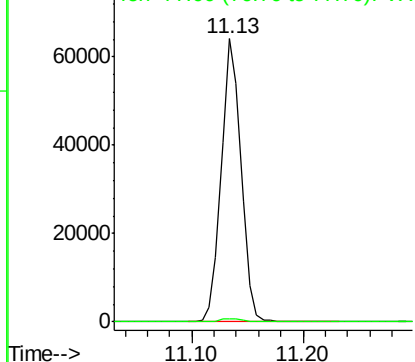
#76

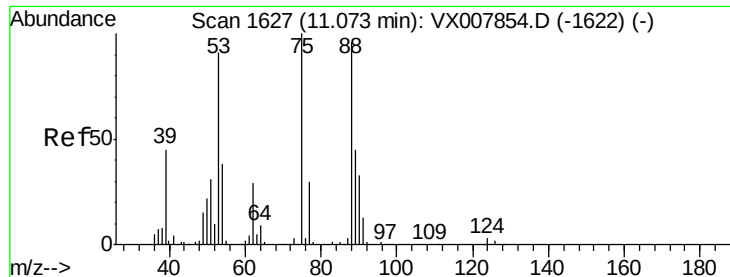
1,2,3-Trichloropropane
Concen: 21.029 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX008057.D
Acq: 13 Mar 2019 18:49

Tgt Ion: 75 Resp: 78997
Ion Ratio Lower Upper
75 100
77 1.3 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: 67.219 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008057.D

Acq: 13 Mar 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW10D-M20W2-030519

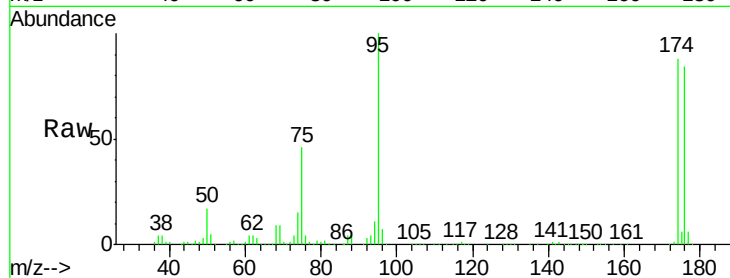
Tot Ion: 75 Resp: 78997

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

