

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031119\
 Data File : VX008001.D
 Acq On : 12 Mar 2019 08:01
 Operator : JC/SP
 Sample : K1828-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW04S-M20W2-030519

Quant Time: Mar 12 08:51:05 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	241902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	377944	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	358976	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	174850	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	132169	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	
35) Dibromofluoromethane	5.51	113	123301	51.00	ug/l	0.00
Spiked Amount			Recovery	=	102.00%	
50) Toluene-d8	8.71	98	459009	51.70	ug/l	0.00
Spiked Amount			Recovery	=	103.40%	
62) 4-Bromofluorobenzene	11.13	95	168368	54.09	ug/l	0.00
Spiked Amount			Recovery	=	108.18%	

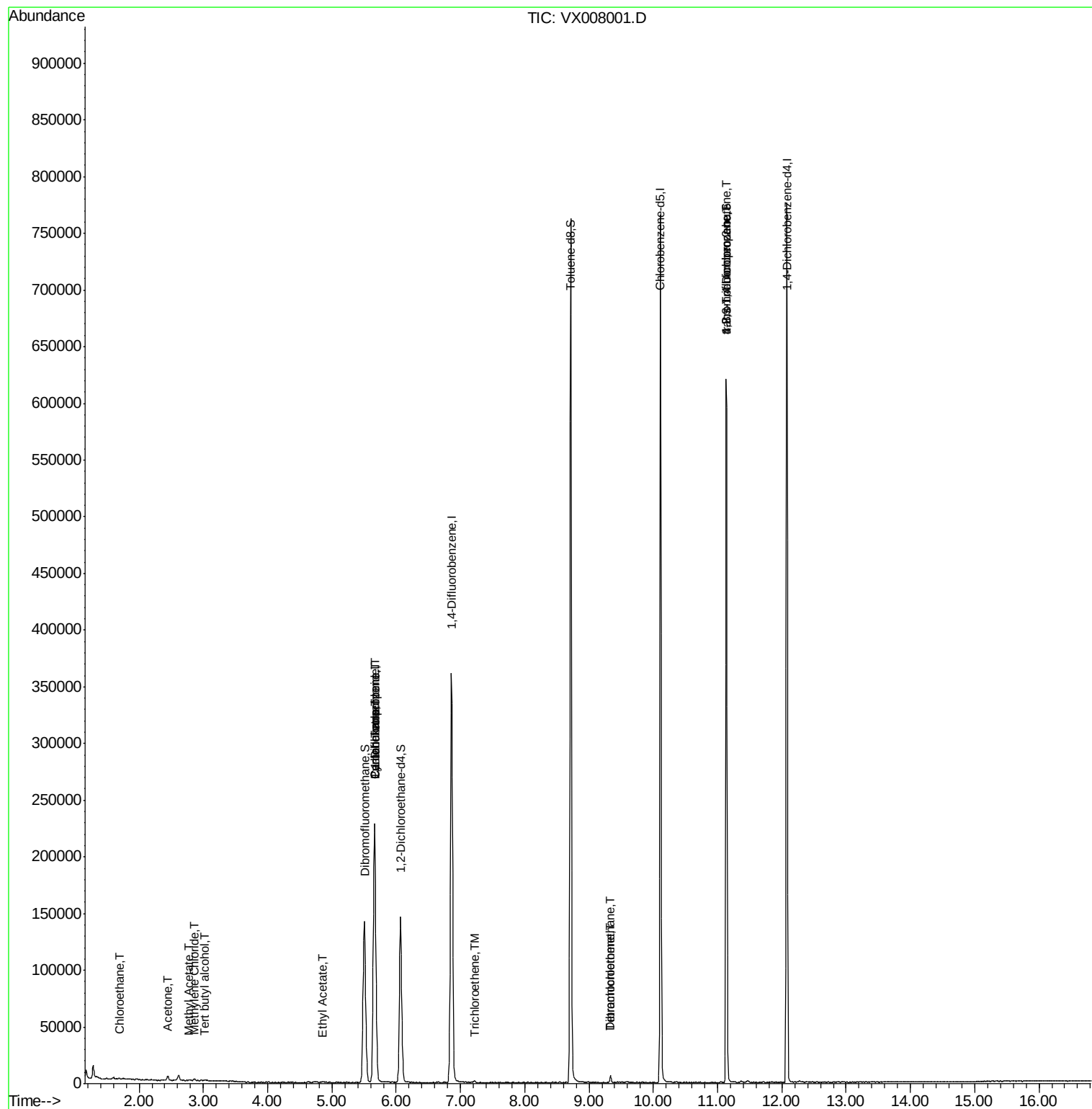
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	279	Below Cal		92
6) Chloroethane	1.70	64	3138	1.785	ug/l #	49
11) Tert butyl alcohol	3.03	59	465	0.815	ug/l #	84
16) Acetone	2.45	43	4028	2.727	ug/l	97
17) Carbon Disulfide	2.57	76	579	Below Cal	#	60
18) Methyl Acetate	2.78	43	678	0.216	ug/l #	68
20) Methylene Chloride	2.86	84	505	0.215	ug/l #	72
31) Cyclohexane	5.67	56	3740	0.954	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14798	4.324	ug/l #	49
37) Ethyl Acetate	4.85	43	1258	0.310	ug/l #	80
38) Carbon Tetrachloride	5.67	117	20715	6.376	ug/l #	16
44) Trichloroethene	7.21	130	599	0.213	ug/l	90
60) Dibromochloromethane	9.33	129	1042	0.396	ug/l #	11
64) Tetrachloroethene	9.34	164	1071	0.360	ug/l #	82
76) 1,2,3-Trichloropropane	11.13	75	76944	20.971	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	76944	67.033	ug/l #	11

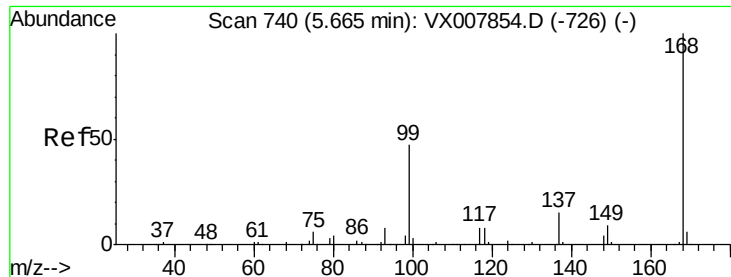
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008001.D

Acq: 12 Mar 2019 08:01

Instrument :

MSVOA_X

ClientSampleId :

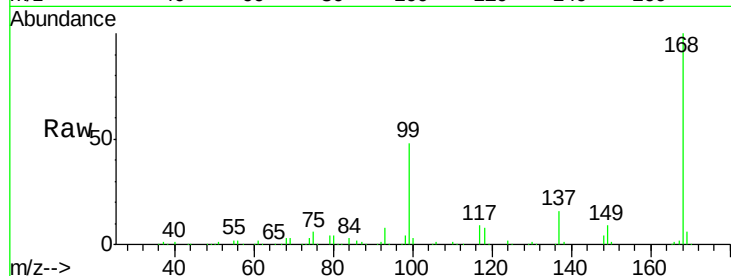
CPA-CPMW04S-M20W2-030519

Tot Ion:168 Resp: 241902

Ion Ratio Lower Upper

168 100

99 48.5 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

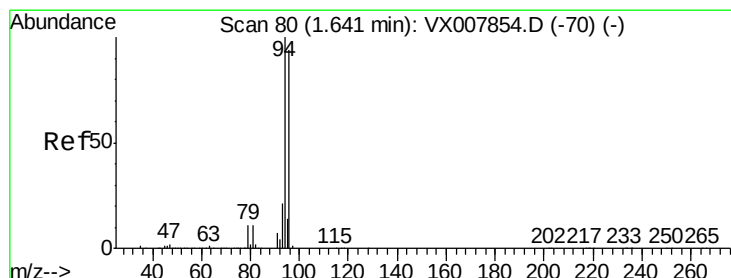
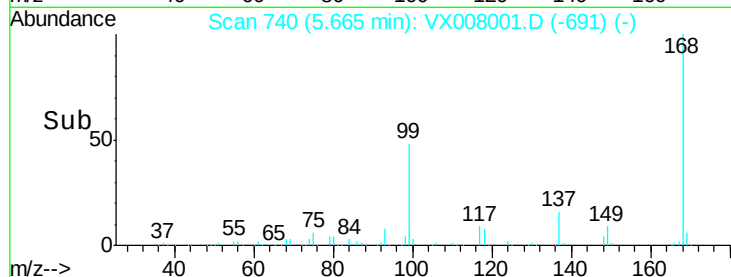
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX008001.D

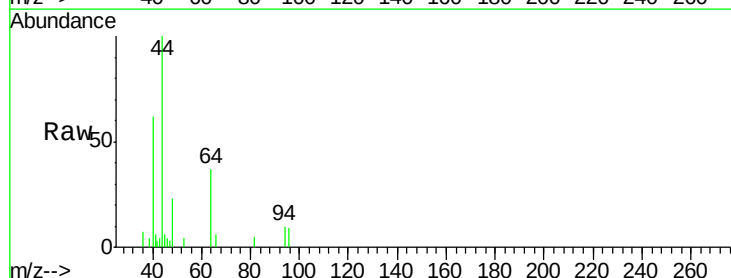
Acq: 12 Mar 2019 08:01

Tgt Ion: 94 Resp: 279

Ion Ratio Lower Upper

94 100

96 86.3 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

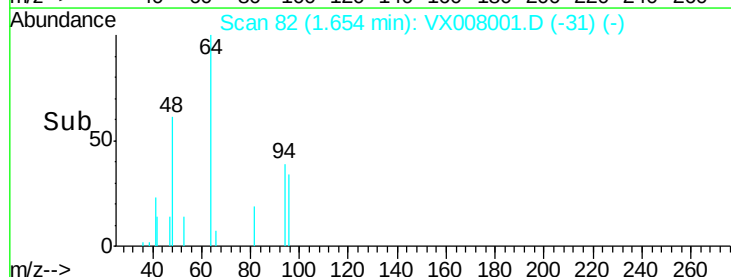
150

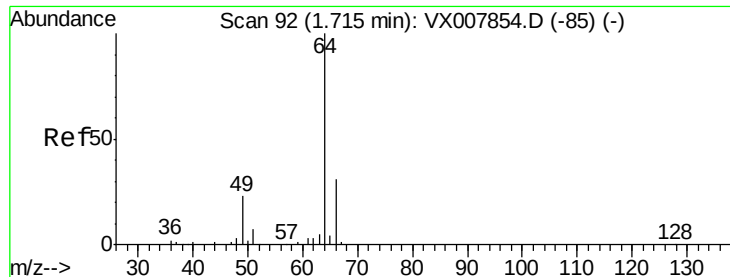
100

50

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 1.785 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX008001.D

Acq: 12 Mar 2019 08:01

Instrument :

MSVOA_X

ClientSampleId :

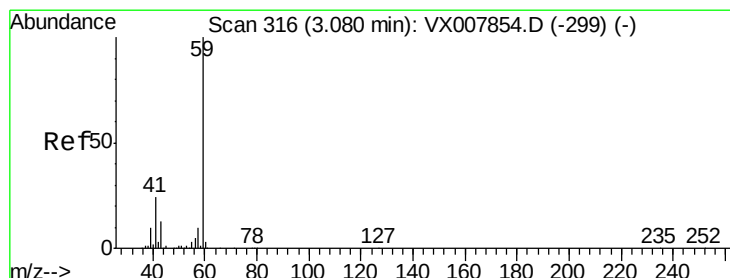
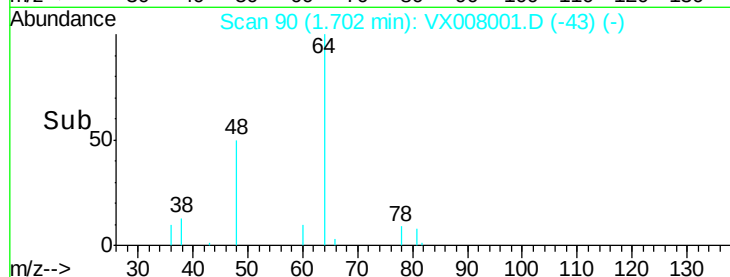
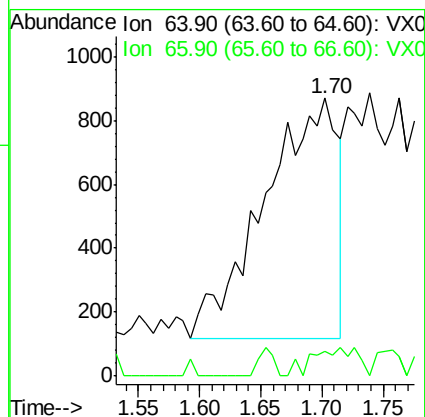
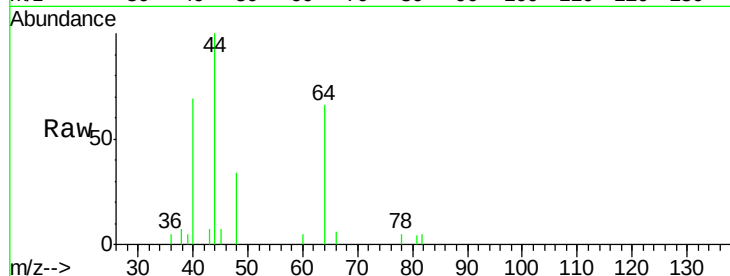
CPA-CPMW04S-M20W2-030519

Tot Ion: 64 Resp: 3138

Ion Ratio Lower Upper

64 100

66 3.2 25.2 37.8#



#11

Tert butyl alcohol

Concen: 0.815 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX008001.D

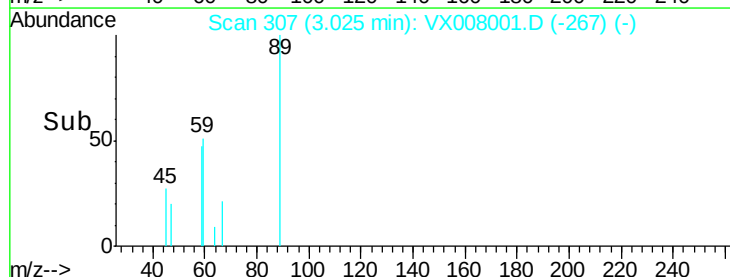
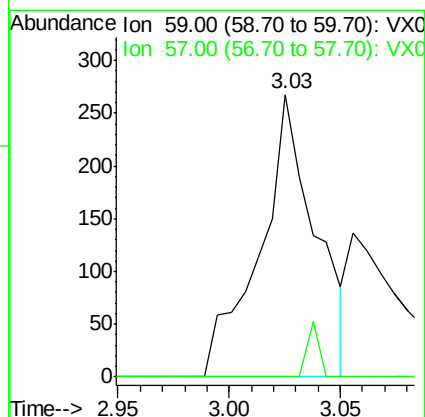
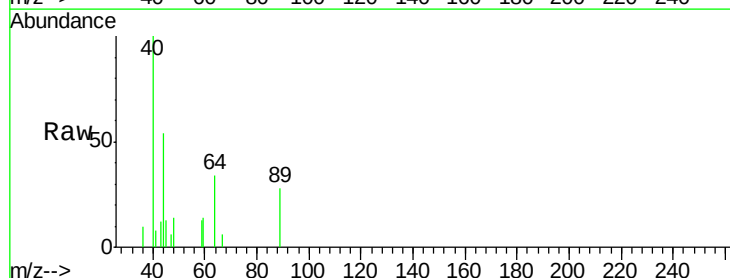
Acq: 12 Mar 2019 08:01

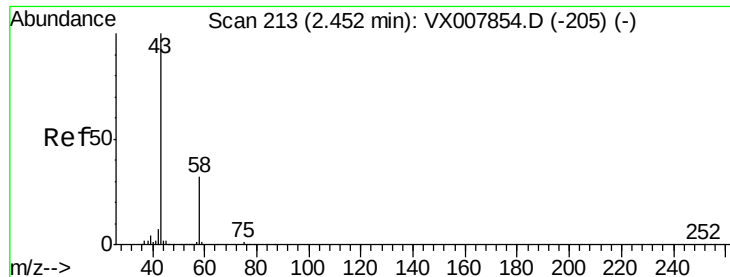
Tgt Ion: 59 Resp: 465

Ion Ratio Lower Upper

59 100

57 4.1 8.2 12.2#

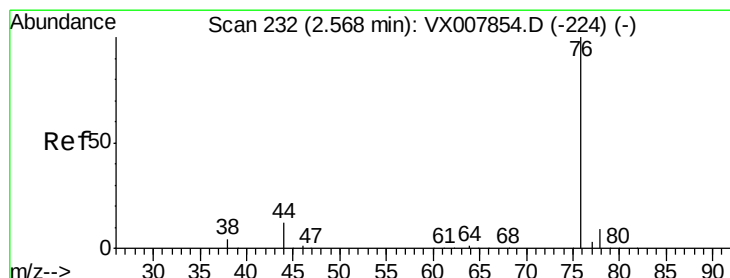
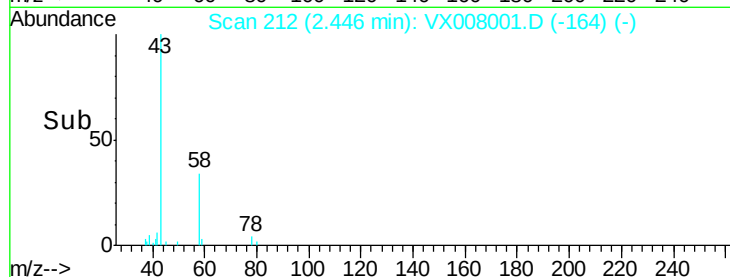
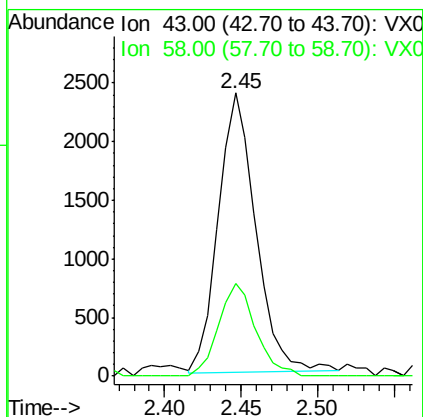
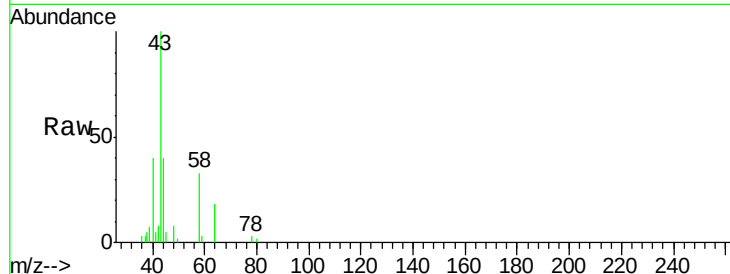




#16
Acetone
Concen: 2.727 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.01 min
Lab File: VX008001.D
Acq: 12 Mar 2019 08:01

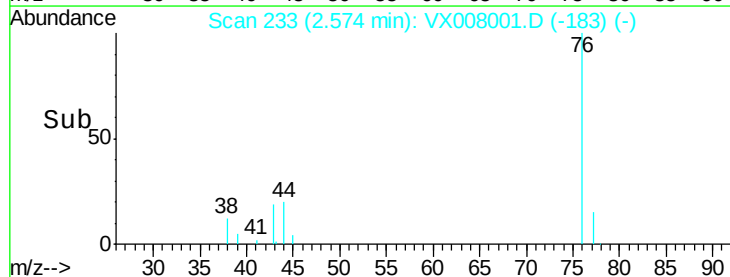
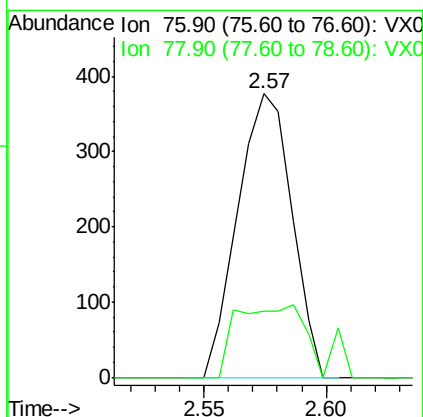
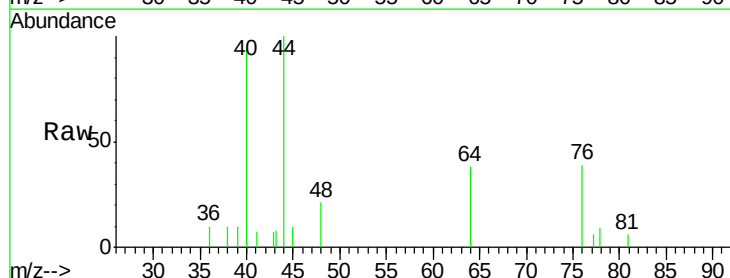
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW04S-M20W2-030519

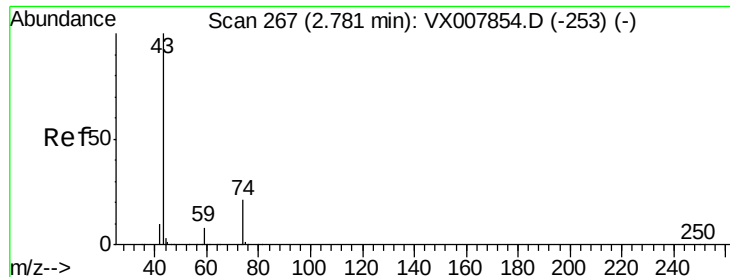
Tot Ion: 43 Resp: 4028
Ion Ratio Lower Upper
43 100
58 33.6 25.5 38.3



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX008001.D
Acq: 12 Mar 2019 08:01

Tgt Ion: 76 Resp: 579
Ion Ratio Lower Upper
76 100
78 23.3 7.2 10.8#

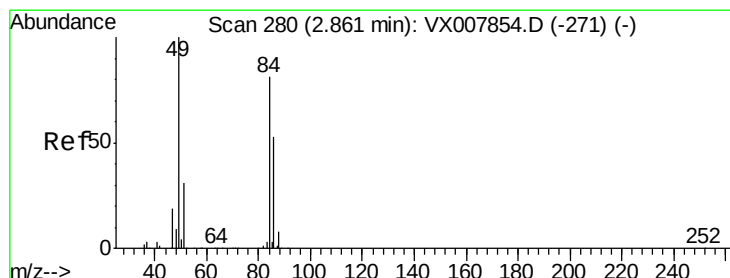
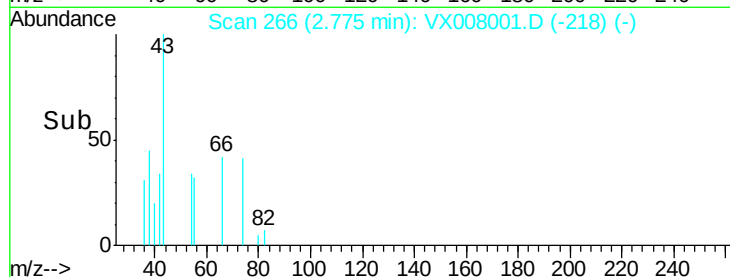
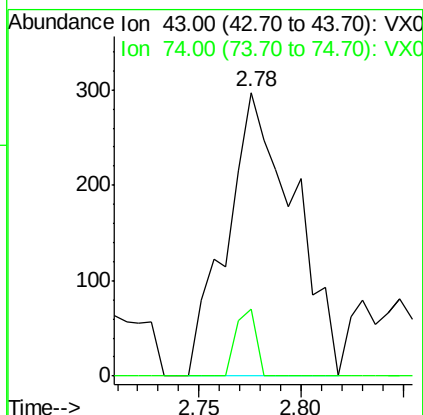
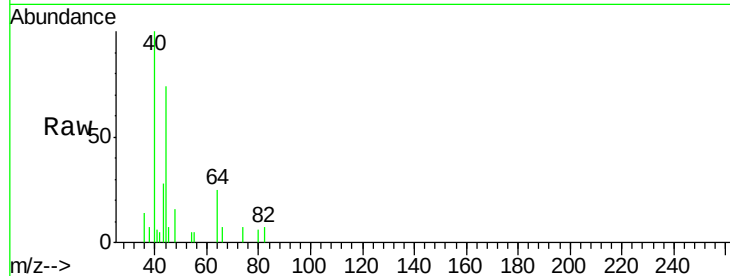




#18
Methyl Acetate
Concen: 0.216 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX008001.D
Acq: 12 Mar 2019 08:01

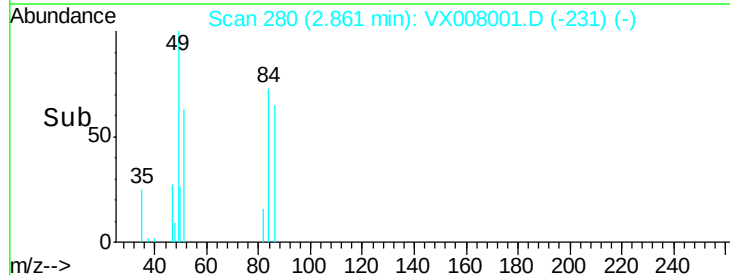
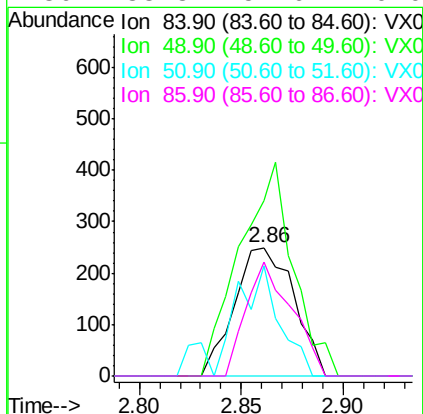
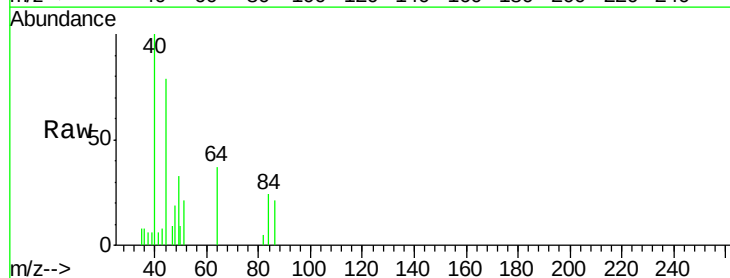
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW04S-M20W2-030519

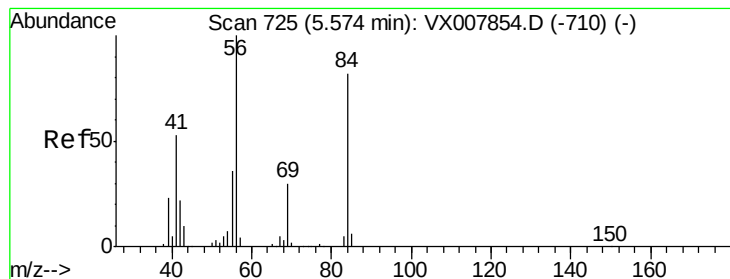
Tot Ion: 43 Resp: 678
Ion Ratio Lower Upper
43 100
74 6.9 17.8 26.6#



#20
Methylene Chloride
Concen: 0.215 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX008001.D
Acq: 12 Mar 2019 08:01

Tgt Ion: 84 Resp: 505
Ion Ratio Lower Upper
84 100
49 137.3 99.3 148.9
51 85.9 31.3 46.9#
86 88.8 52.6 79.0#





#31

Cyclohexane

Concen: 0.954 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX008001.D

Acq: 12 Mar 2019 08:01

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW04S-M20W2-030519

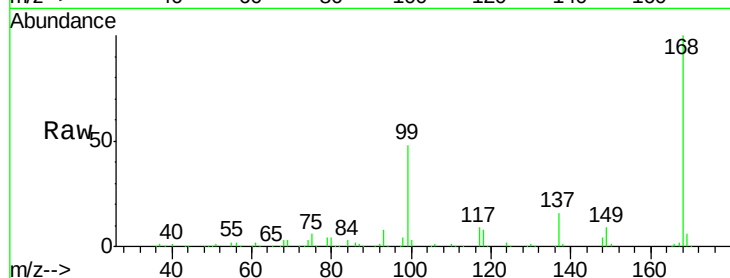
Tot Ion: 56 Resp: 3740

Ion Ratio Lower Upper

56 100

69 199.1 24.0 36.0#

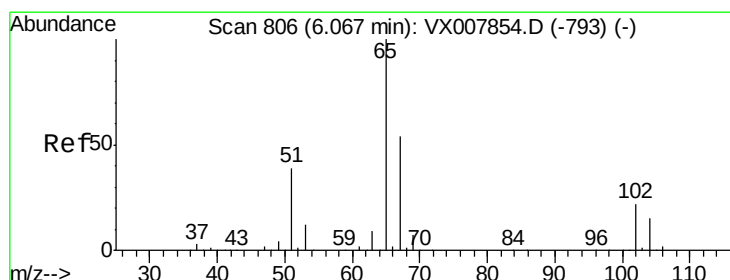
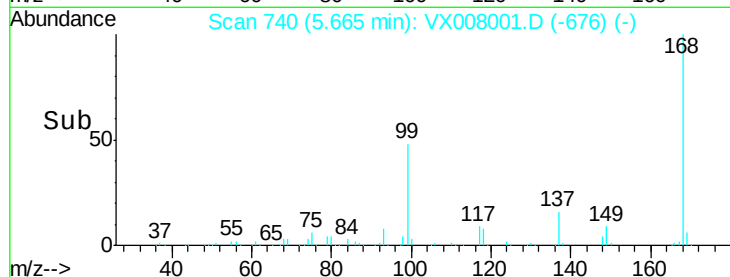
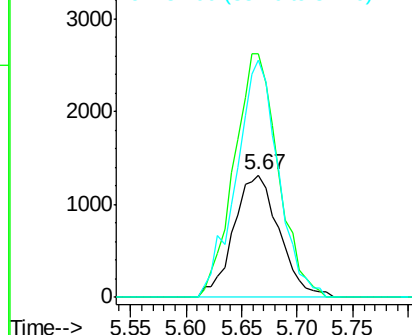
84 193.5 65.3 97.9#



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: 51.794 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008001.D

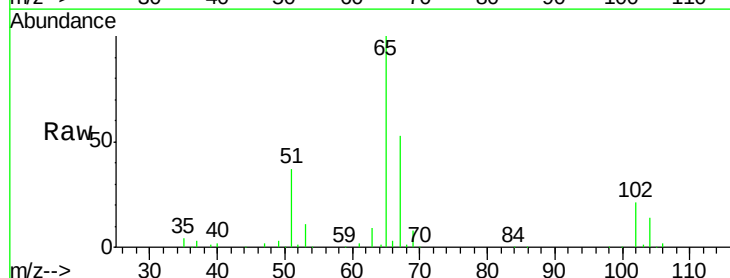
Acq: 12 Mar 2019 08:01

Tgt Ion: 65 Resp: 132169

Ion Ratio Lower Upper

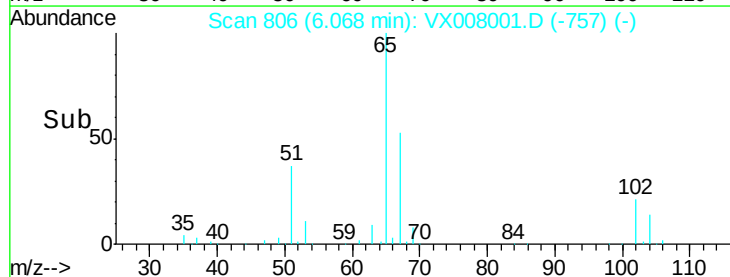
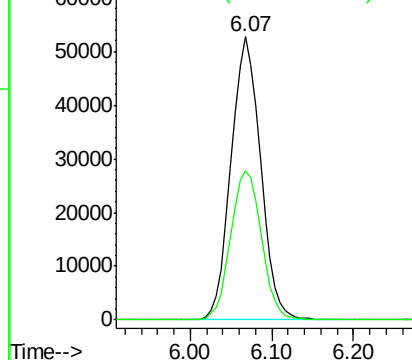
65 100

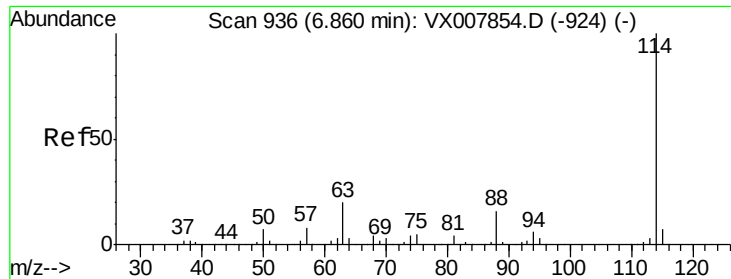
67 54.8 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

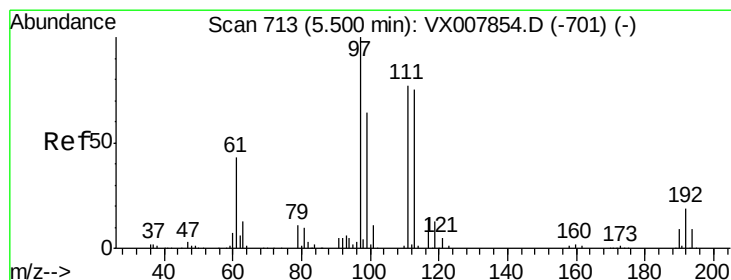
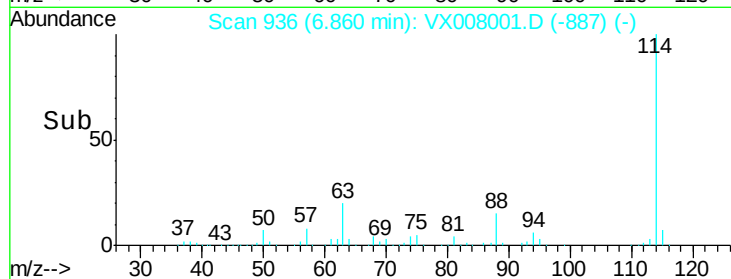
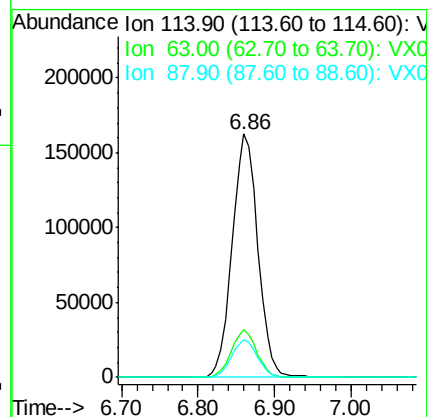
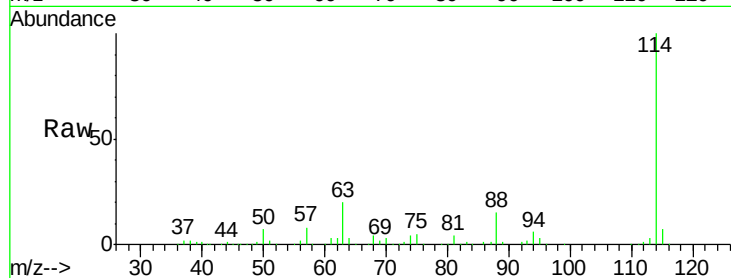




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008001.D
 Acq: 12 Mar 2019 08:01

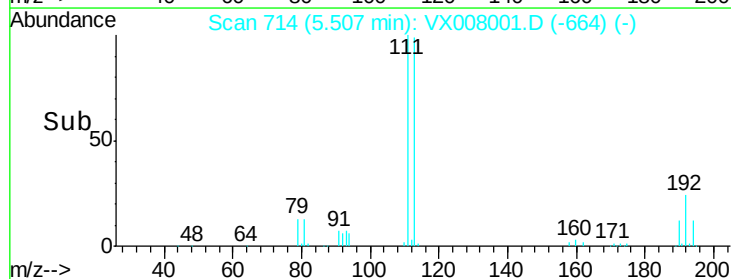
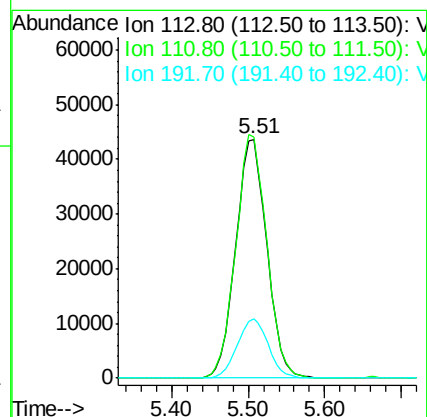
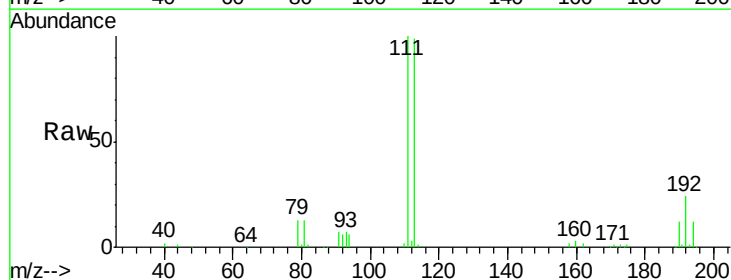
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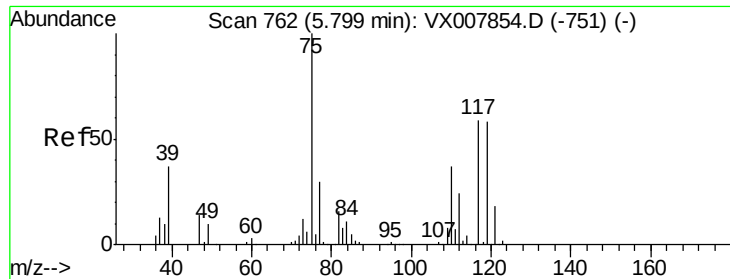
Tot Ion:114 Resp: 377944
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.8
 88 15.5 0.0 31.4



#35
 Dibromofluoromethane
 Concen: 51.002 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX008001.D
 Acq: 12 Mar 2019 08:01

Tgt Ion:113 Resp: 123301
 Ion Ratio Lower Upper
 113 100
 111 101.2 81.4 122.0
 192 24.5 19.4 29.0





#36

1,1-Dichloropropene

Concen: 4.324 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008001.D

Acq: 12 Mar 2019 08:01

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW04S-M20W2-030519

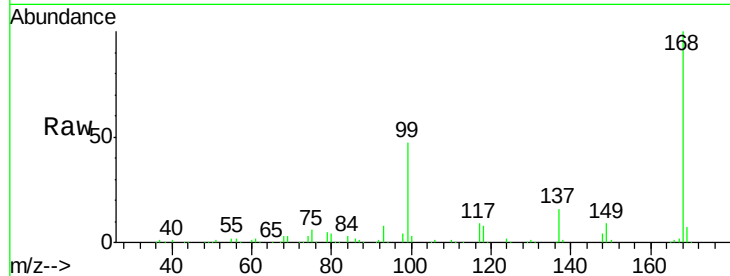
Tot Ion: 75 Resp: 14798

Ion Ratio Lower Upper

75 100

110 8.9 18.4 55.0#

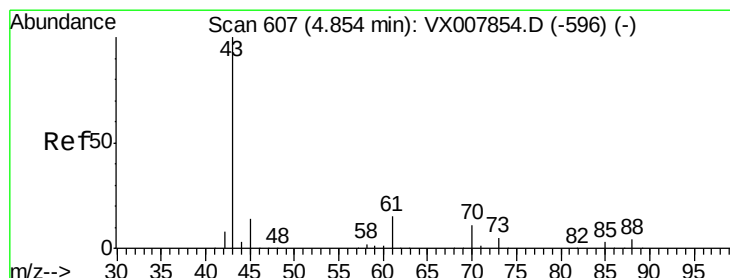
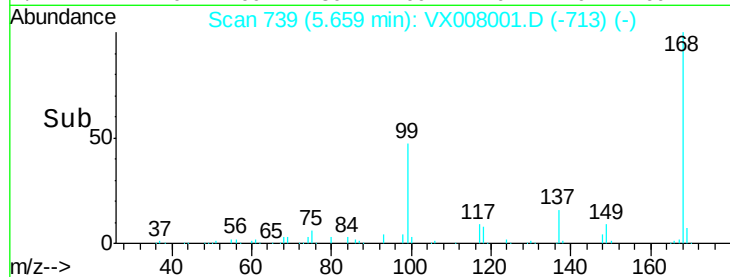
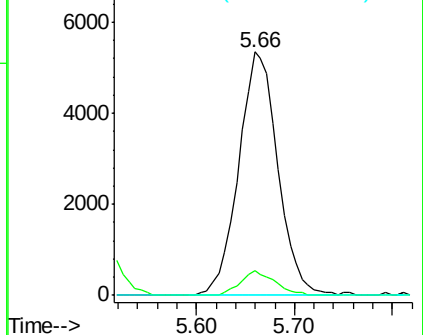
77 0.0 25.0 37.4#



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: 0.310 ug/l

RT: 4.85 min Scan# 607

Delta R.T. 0.00 min

Lab File: VX008001.D

Acq: 12 Mar 2019 08:01

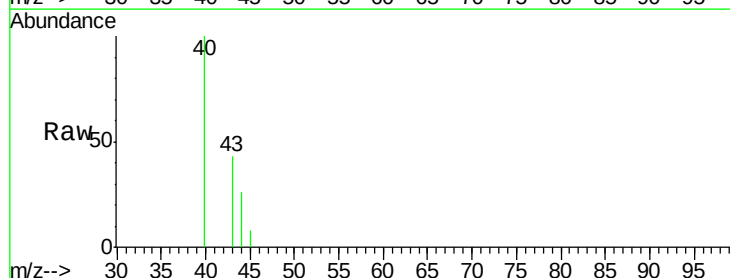
Tgt Ion: 43 Resp: 1258

Ion Ratio Lower Upper

43 100

61 8.3 11.3 16.9#

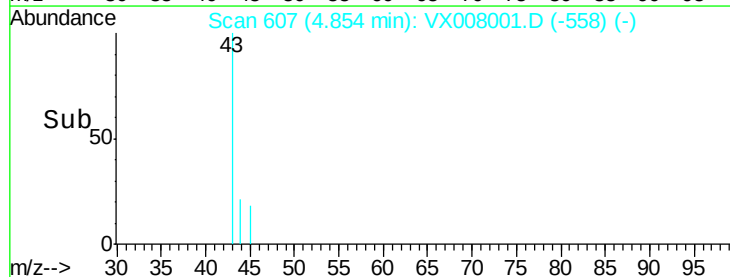
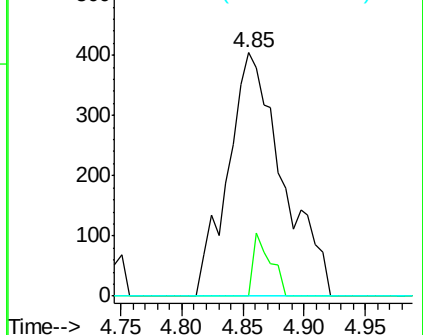
70 0.0 8.5 12.7#

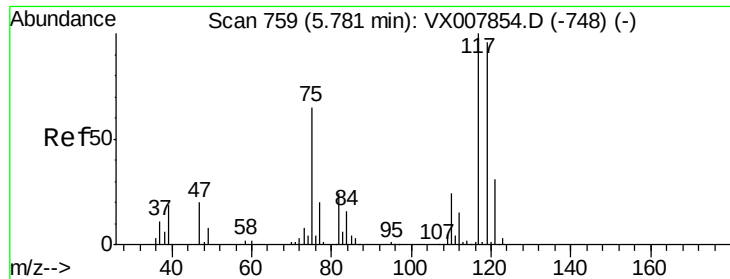


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 6.376 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008001.D

Acq: 12 Mar 2019 08:01

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW04S-M20W2-030519

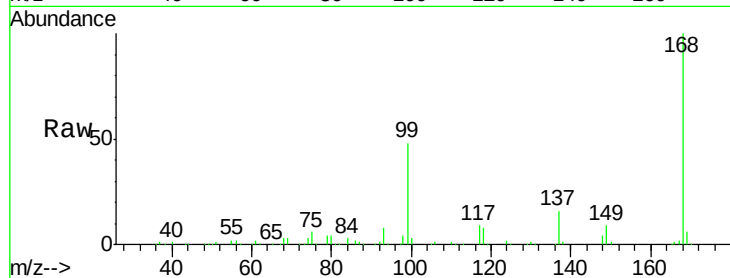
Tot Ion:117 Resp: 20715

Ion Ratio Lower Upper

117 100

119 4.7 76.2 114.2#

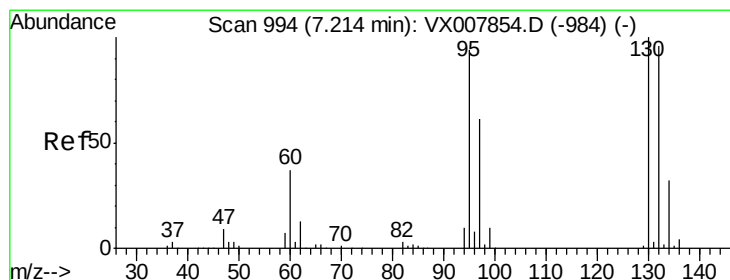
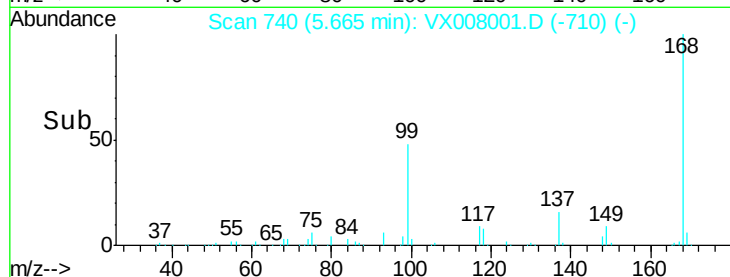
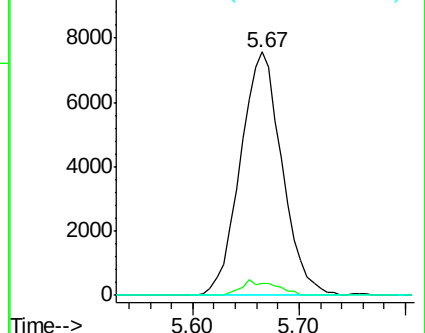
121 0.0 24.6 36.8#



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: 0.213 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008001.D

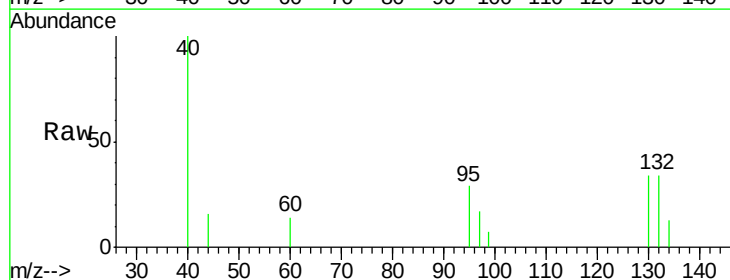
Acq: 12 Mar 2019 08:01

Tgt Ion:130 Resp: 599

Ion Ratio Lower Upper

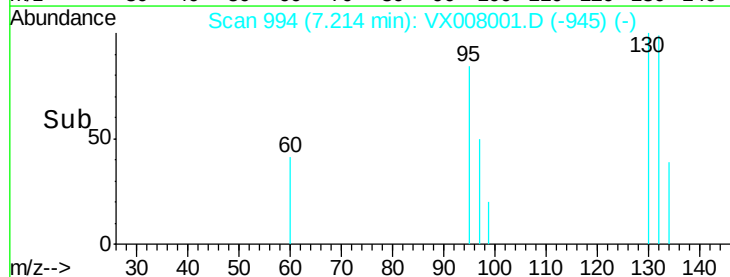
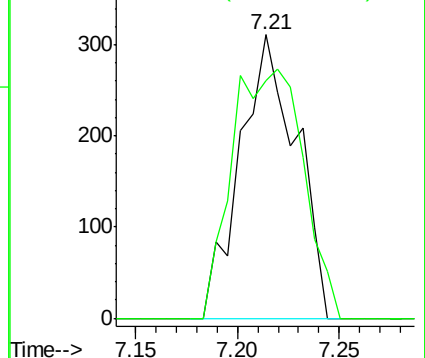
130 100

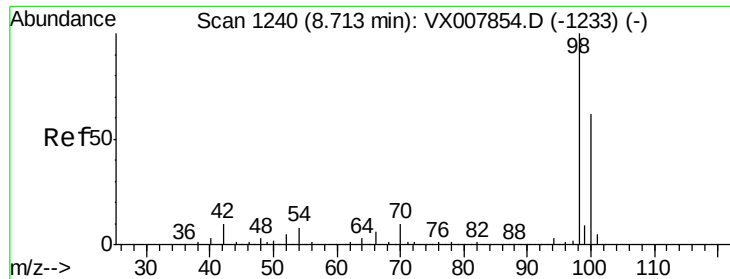
95 83.9 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 51.698 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008001.D

Acq: 12 Mar 2019 08:01

Instrument :

MSVOA_X

ClientSampleId :

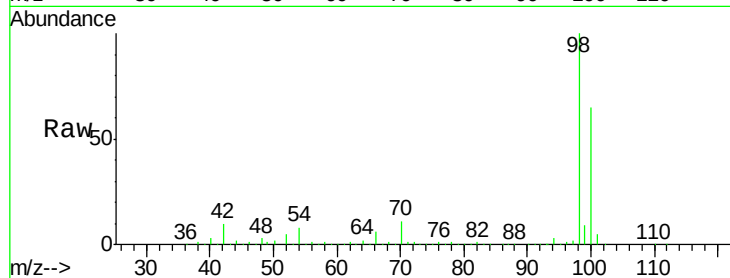
CPA-CPMW04S-M20W2-030519

Tot Ion: 98 Resp: 459009

Ion Ratio Lower Upper

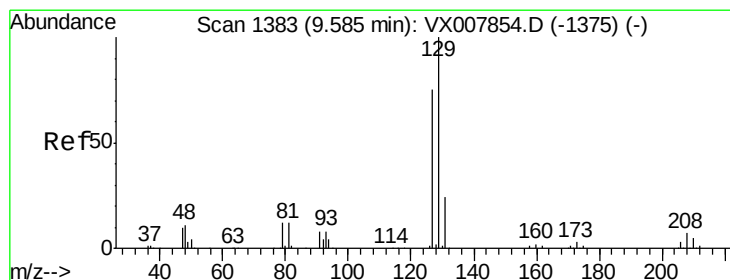
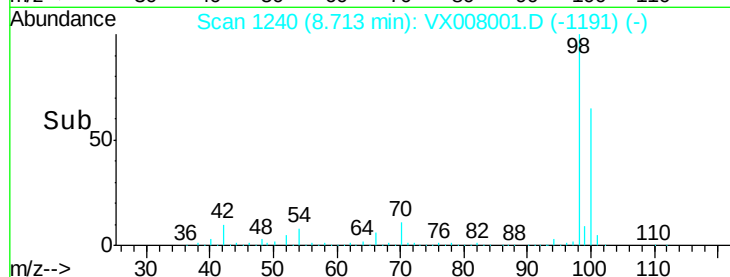
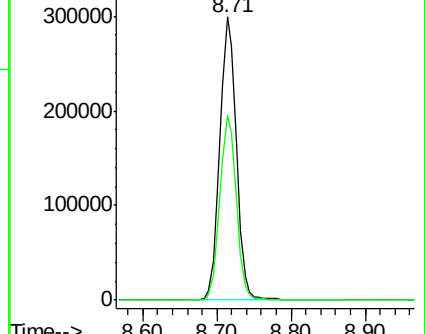
98 100

100 64.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#60

Dibromochloromethane

Concen: 0.396 ug/l

RT: 9.33 min Scan# 1341

Delta R.T. -0.26 min

Lab File: VX008001.D

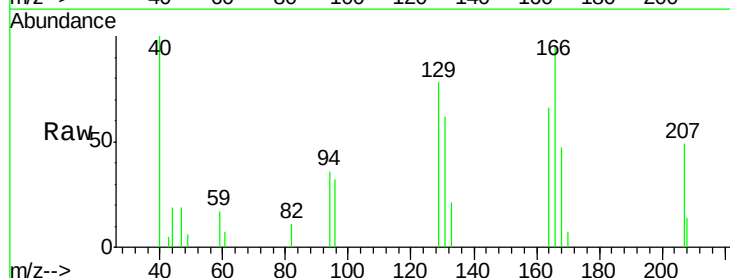
Acq: 12 Mar 2019 08:01

Tgt Ion: 129 Resp: 1042

Ion Ratio Lower Upper

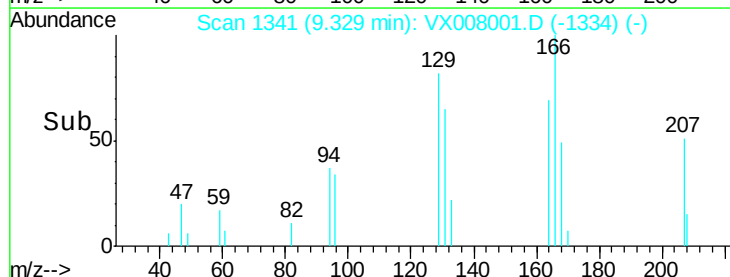
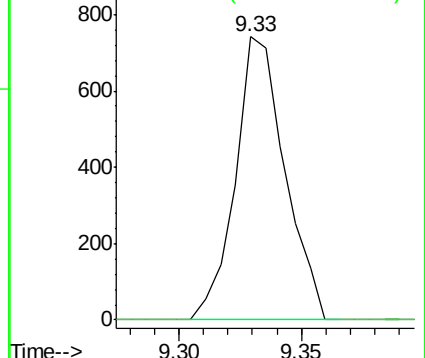
129 100

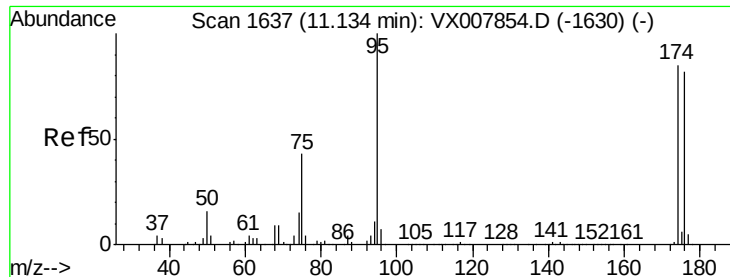
127 0.0 38.3 114.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 54.087 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008001.D

Acq: 12 Mar 2019 08:01

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW04S-M20W2-030519

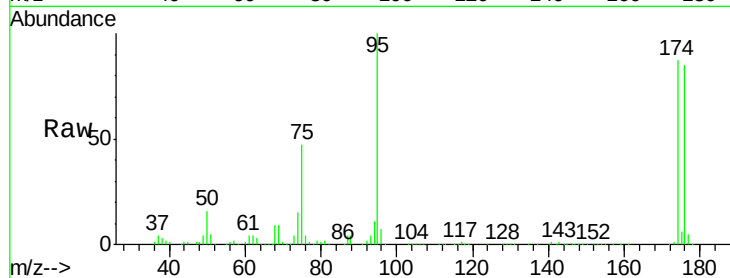
Tot Ion: 95 Resp: 168368

Ion Ratio Lower Upper

95 100

174 93.4 0.0 182.8

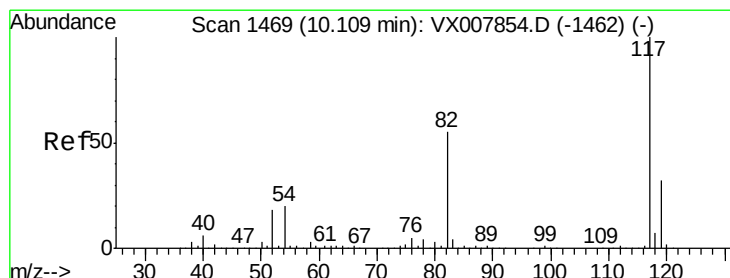
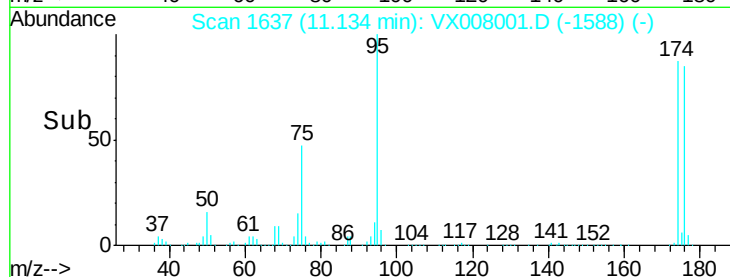
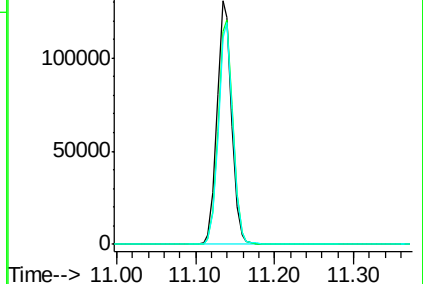
176 90.5 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX007854.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX007854.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX007854.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008001.D

Acq: 12 Mar 2019 08:01

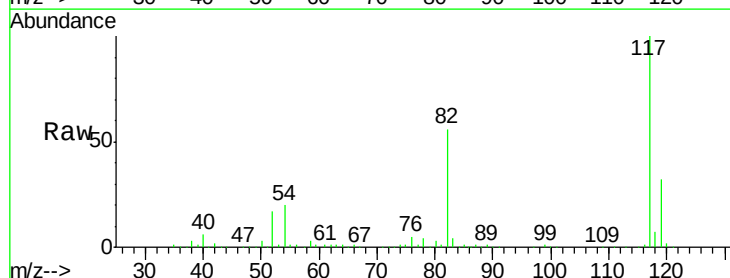
Tgt Ion: 117 Resp: 358976

Ion Ratio Lower Upper

117 100

82 55.7 44.3 66.5

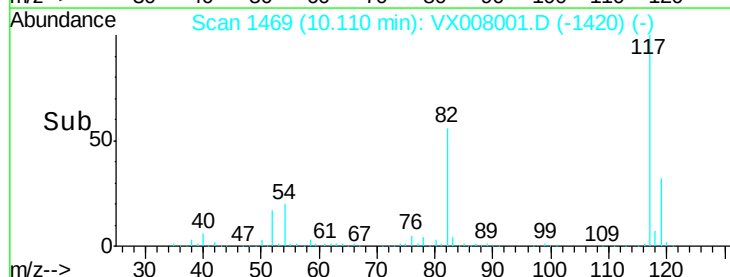
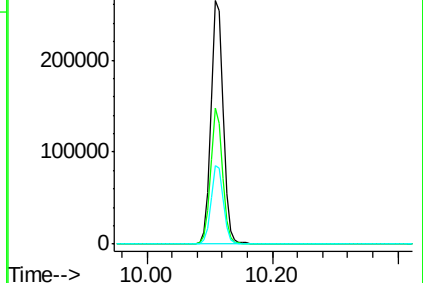
119 32.3 25.3 37.9

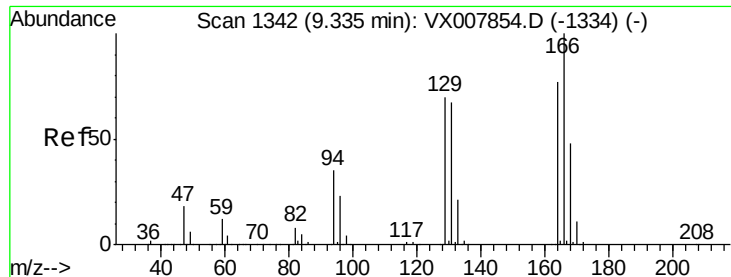


Abundance Ion 116.90 (116.60 to 117.60): VX007854.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX007854.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX007854.D (-1462) (-)

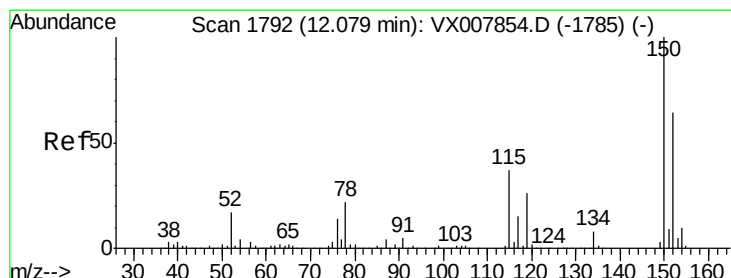
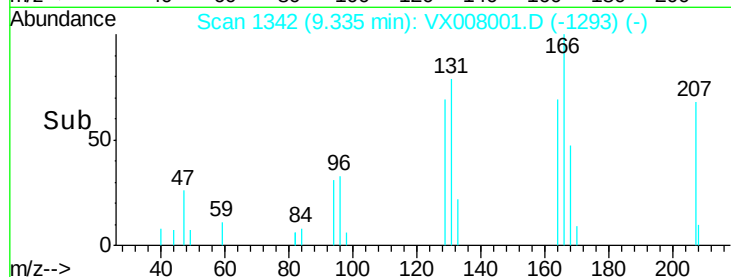
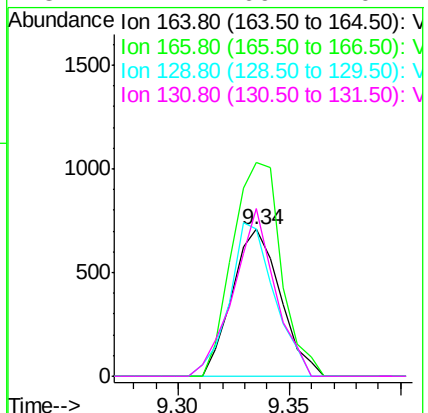
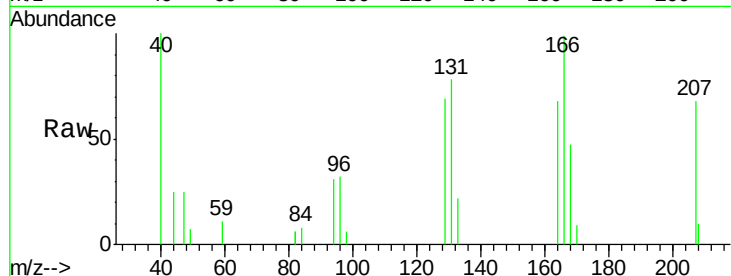




#64
Tetrachloroethene
Concen: 0.360 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008001.D
Acq: 12 Mar 2019 08:01

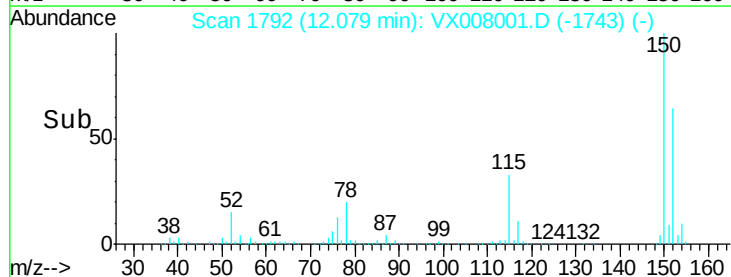
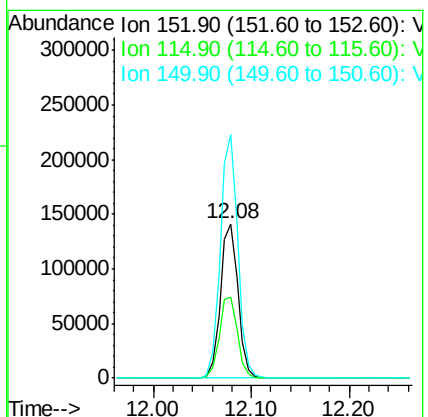
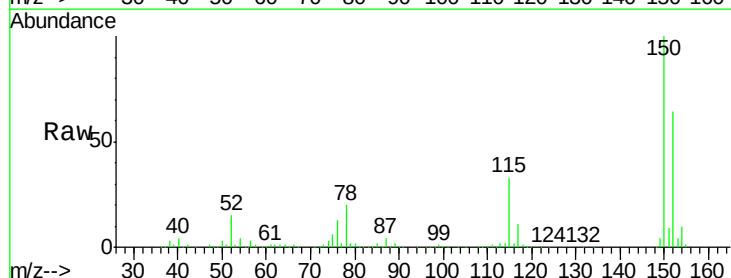
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW04S-M20W2-030519

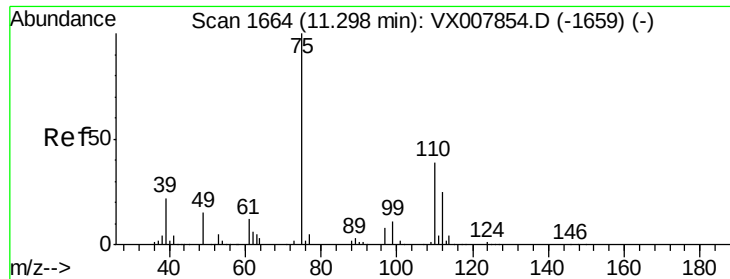
Tot Ion:164 Resp: 1071
Ion Ratio Lower Upper
164 100
166 145.3 103.4 155.0
129 100.6 72.2 108.4
131 114.4 69.4 104.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008001.D
Acq: 12 Mar 2019 08:01

Tgt Ion:152 Resp: 174850
Ion Ratio Lower Upper
152 100
115 54.2 38.6 115.7
150 156.8 0.0 348.4





#76

1,2,3-Trichloropropane

Concen: 20.971 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008001.D

Acq: 12 Mar 2019 08:01

Instrument :

MSVOA_X

ClientSampleId :

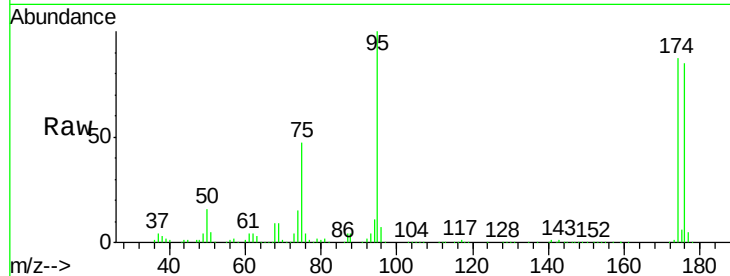
CPA-CPMW04S-M20W2-030519

Tot Ion: 75 Resp: 76944

Ion Ratio Lower Upper

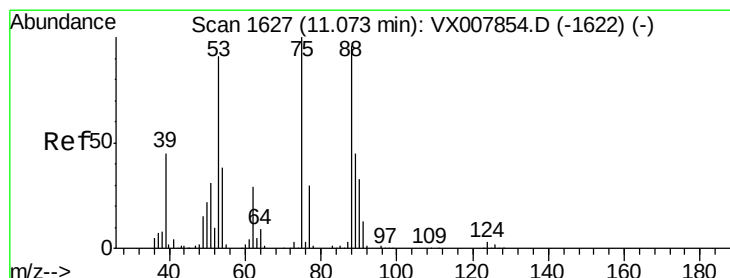
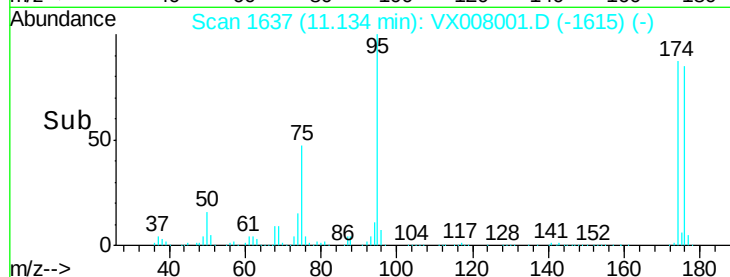
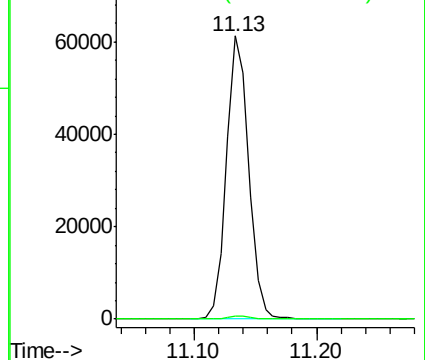
75 100

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: 67.033 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008001.D

Acq: 12 Mar 2019 08:01

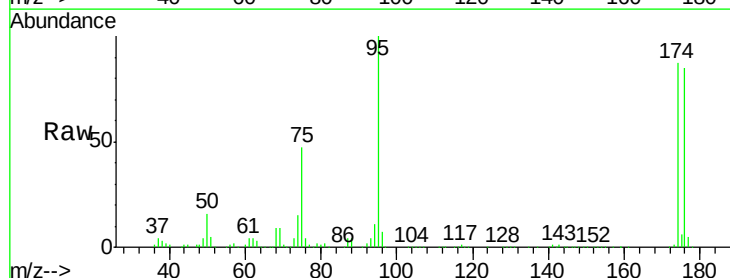
Tgt Ion: 75 Resp: 76944

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

