

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031119\
 Data File : VX007997.D
 Acq On : 12 Mar 2019 06:14
 Operator : JC/SP
 Sample : K1828-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW10S-M20W2-030519-D

Quant Time: Mar 12 08:50:05 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	245680	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	382808	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	360428	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	174674	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	133468	51.50	ug/l	0.00
Spiked Amount			Recovery	=	103.00%	
35) Dibromofluoromethane	5.51	113	125190	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
50) Toluene-d8	8.71	98	463490	51.54	ug/l	0.00
Spiked Amount			Recovery	=	103.08%	
62) 4-Bromofluorobenzene	11.13	95	168222	53.35	ug/l	0.00
Spiked Amount			Recovery	=	106.70%	

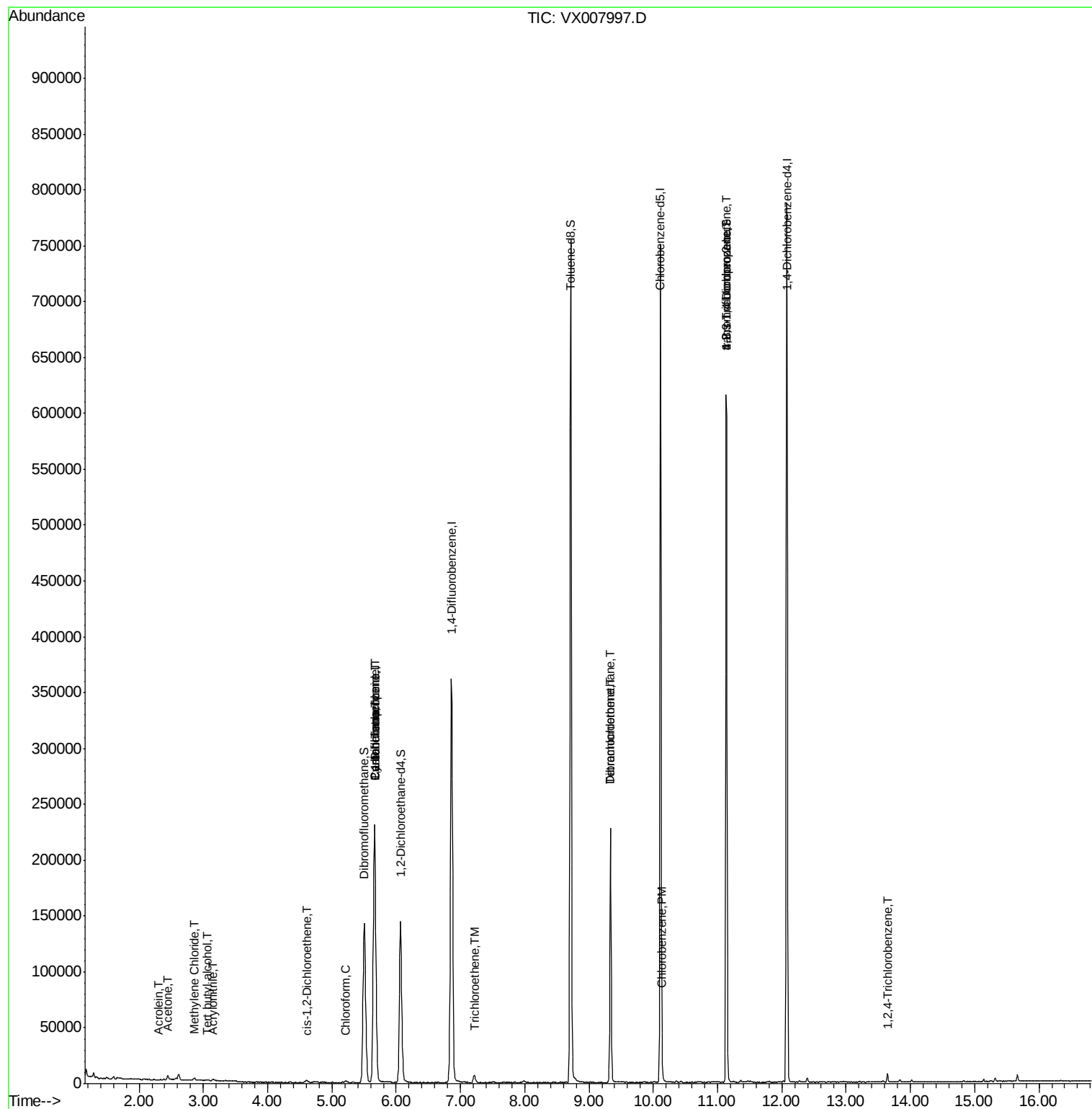
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	567	Below Cal		83
11) Tert butyl alcohol	3.07	59	741	1.278	ug/l	98
13) Acrolein	2.30	56	46	1.681	ug/l #	13
15) Acrylonitrile	3.15	53	386	0.264	ug/l	89
16) Acetone	2.45	43	4456	2.970	ug/l	99
17) Carbon Disulfide	2.57	76	2018	Below Cal		99
20) Methylene Chloride	2.86	84	687	0.288	ug/l #	90
27) cis-1,2-Dichloroethene	4.60	96	1261	0.479	ug/l	94
30) Chloroform	5.22	83	1606	0.392	ug/l	98
31) Cyclohexane	5.67	56	3719	0.934	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15027	4.335	ug/l #	49
38) Carbon Tetrachloride	5.67	117	20673	6.282	ug/l #	16
44) Trichloroethene	7.22	130	2932	1.031	ug/l	96
60) Dibromochloromethane	9.34	129	42559	15.965	ug/l #	11
64) Tetrachloroethene	9.34	164	48239	16.150	ug/l	97
65) Chlorobenzene	10.14	112	2340	0.310	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	76773	20.945	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	76773	66.952	ug/l #	11
93) 1,2,4-Trichlorobenzene	13.65	180	2038	0.510	ug/l	97

(#) = 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: VX007997.D

Acq: 12 Mar 2019 06:14

Instrument :

MSVOA_X

ClientSampleId :

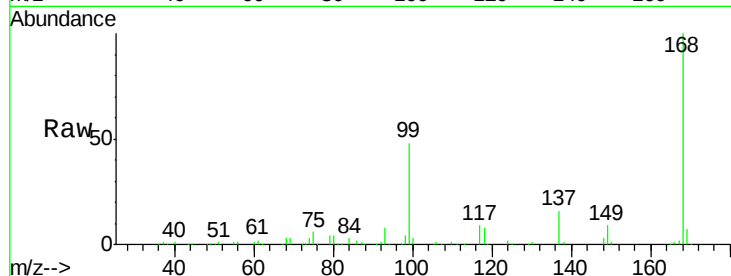
CPA-CPMW10S-M20W2-030519-D

Tot Ion:168 Resp: 245680

Ion Ratio Lower Upper

168 100

99 47.8 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

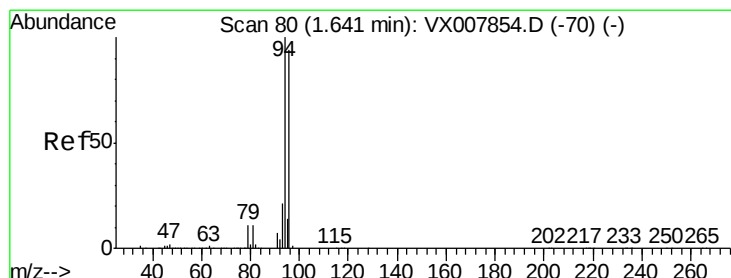
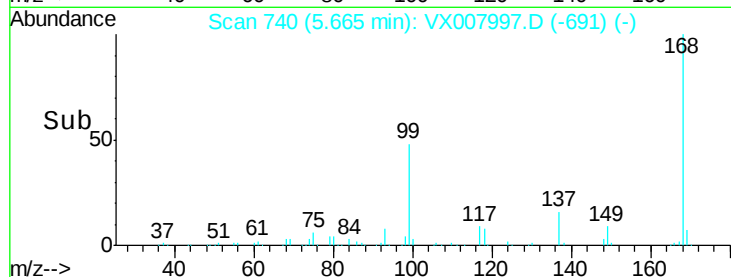
60000

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: VX007997.D

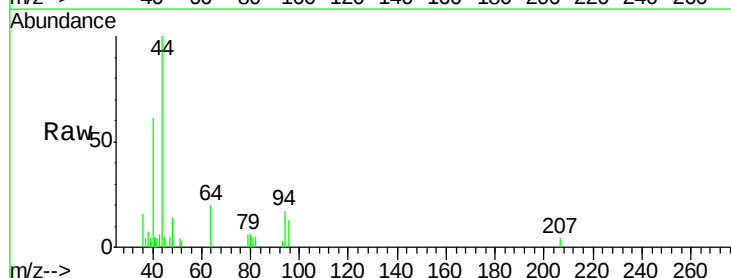
Acq: 12 Mar 2019 06:14

Tgt Ion: 94 Resp: 567

Ion Ratio Lower Upper

94 100

96 77.8 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

300

250

200

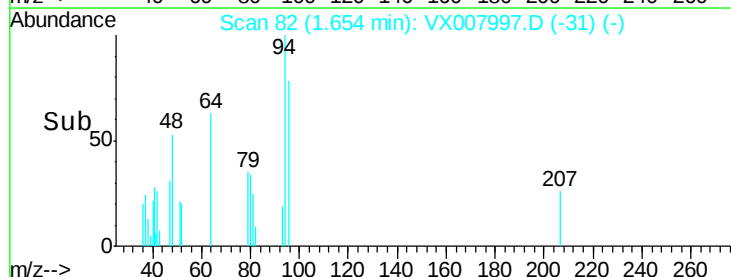
150

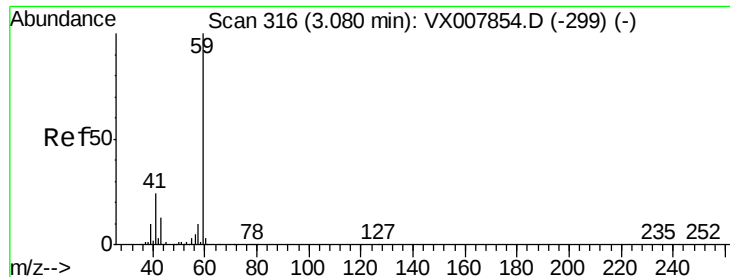
100

50

0

Time--> 1.60 1.65 1.70



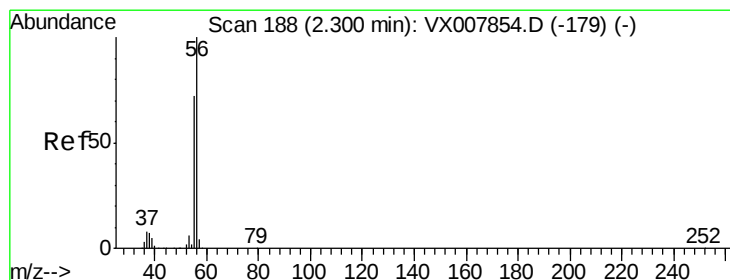
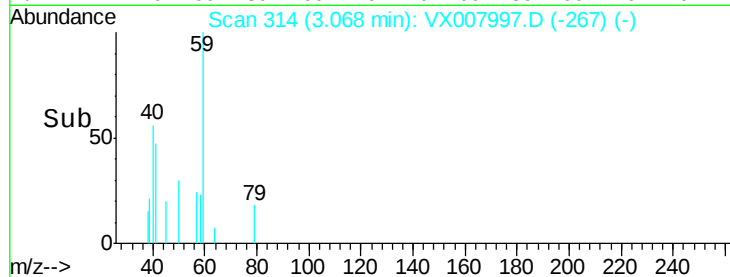
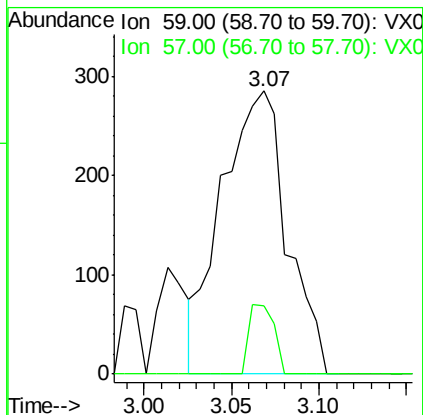
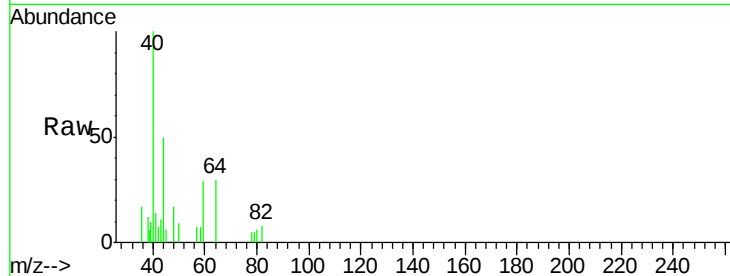


#11

Tert butyl alcohol
 Concen: 1.278 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX007997.D
 Acq: 12 Mar 2019 06:14

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW10S-M20W2-030519-D

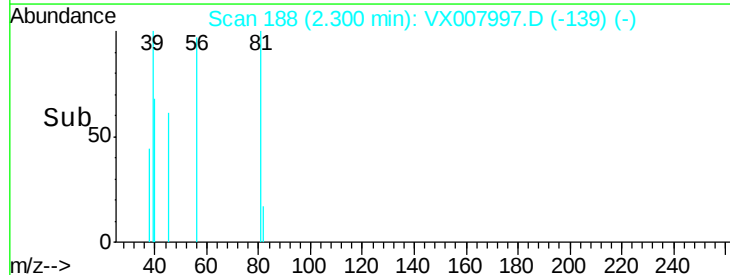
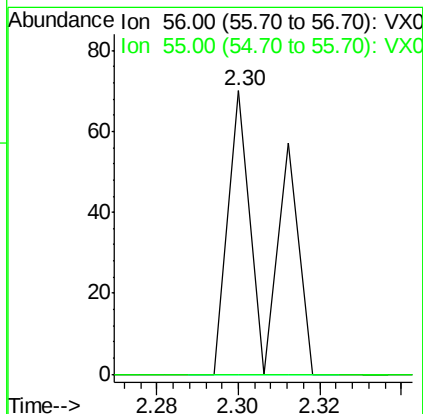
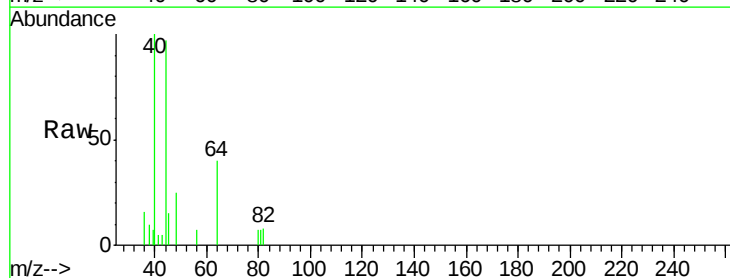
Tot Ion: 59 Resp: 741
 Ion Ratio Lower Upper
 59 100
 57 9.3 8.2 12.2

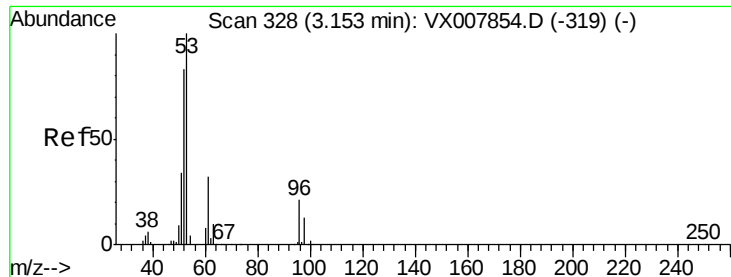


#13

Acrolein
 Concen: 1.681 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. 0.00 min
 Lab File: VX007997.D
 Acq: 12 Mar 2019 06:14

Tgt Ion: 56 Resp: 46
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.8 86.6#





#15

Acrylonitrile

Concen: 0.264 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX007997.D

Acq: 12 Mar 2019 06:14

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW10S-M20W2-030519-D

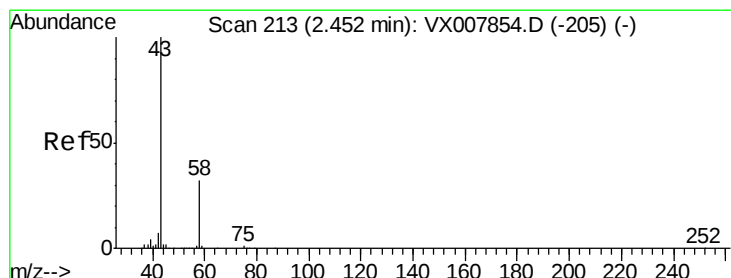
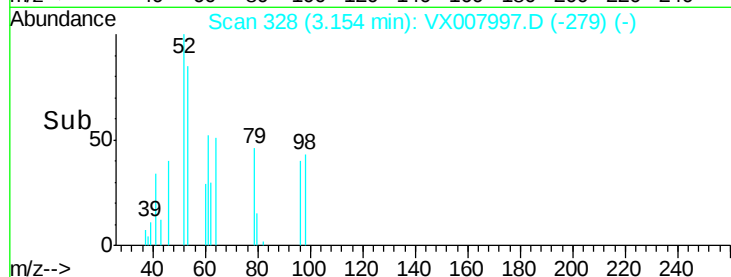
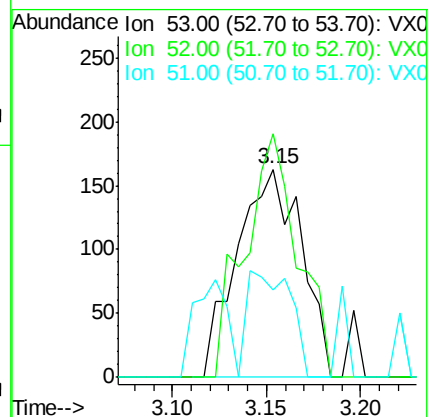
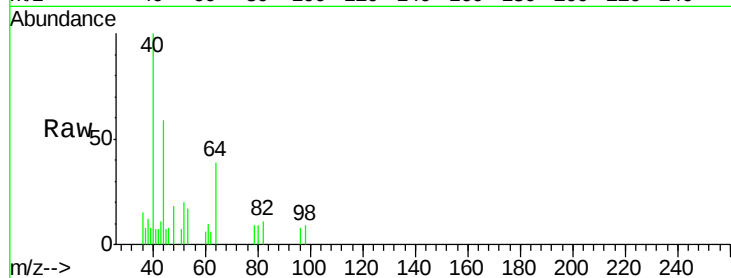
Tot Ion: 53 Resp: 386

Ion Ratio Lower Upper

53 100

52 96.6 66.0 99.0

51 34.2 28.0 42.0



#16

Acetone

Concen: 2.970 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX007997.D

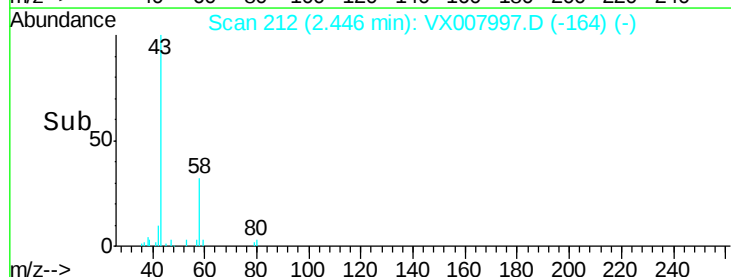
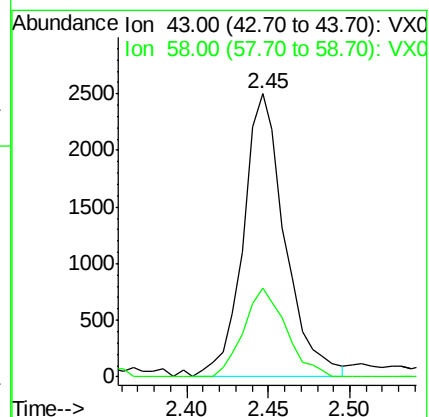
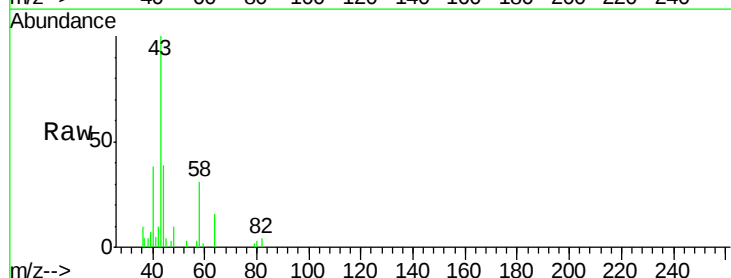
Acq: 12 Mar 2019 06:14

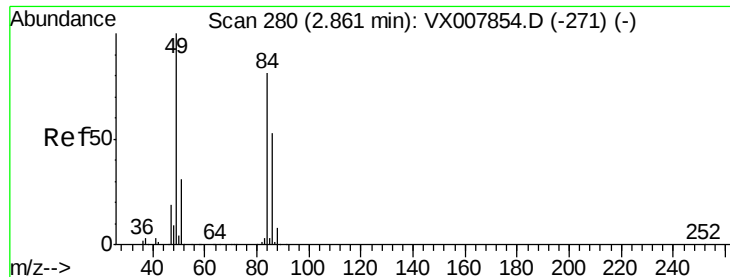
Tgt Ion: 43 Resp: 4456

Ion Ratio Lower Upper

43 100

58 31.3 25.5 38.3

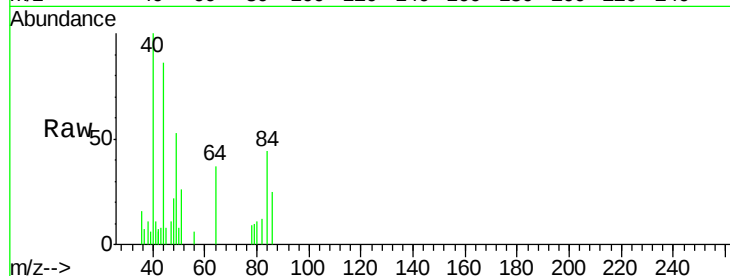




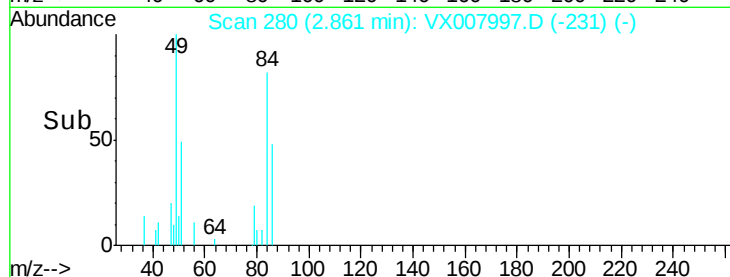
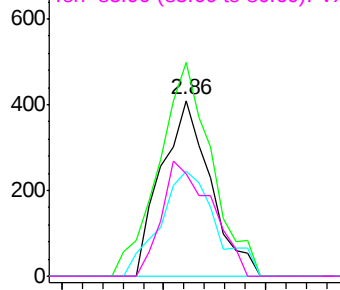
#20
Methylene Chloride
Concen: 0.288 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007997.D
Acq: 12 Mar 2019 06:14

Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW10S-M20W2-030519-D

Tot Ion: 84 Resp: 687
Ion Ratio Lower Upper
84 100
49 121.5 99.3 148.9
51 59.5 31.3 46.9#
86 58.5 52.6 79.0

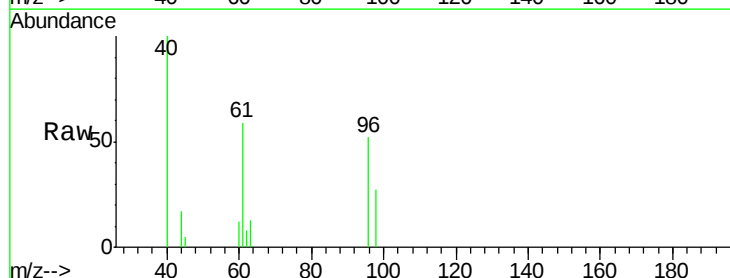
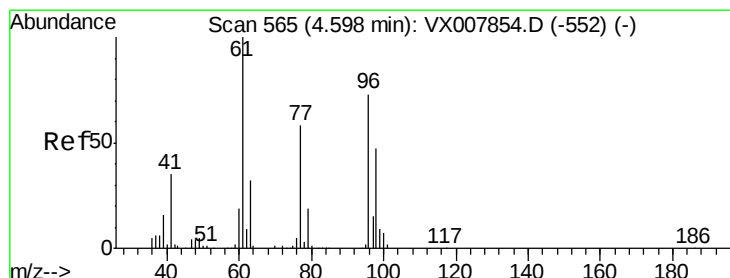


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

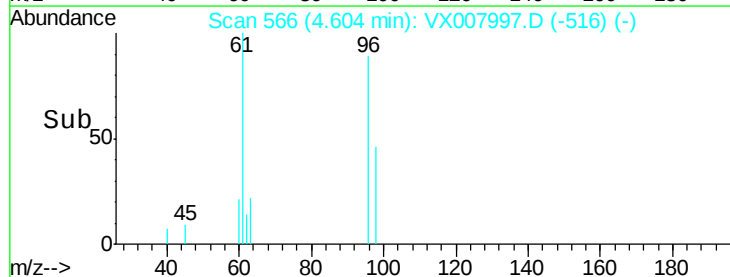
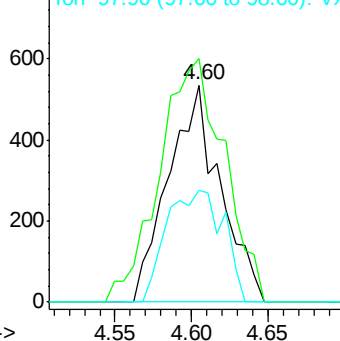


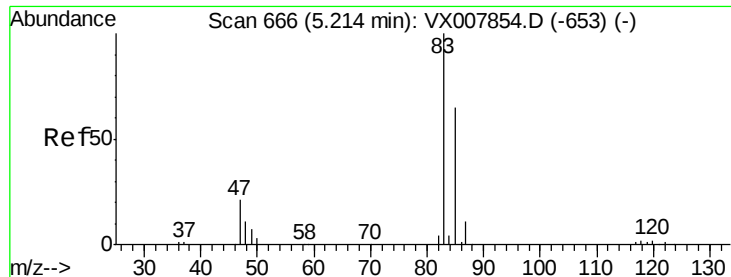
#27
cis-1,2-Dichloroethene
Concen: 0.479 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX007997.D
Acq: 12 Mar 2019 06:14

Tgt Ion: 96 Resp: 1261
Ion Ratio Lower Upper
96 100
61 139.8 0.0 288.0
98 56.5 0.0 129.0



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0

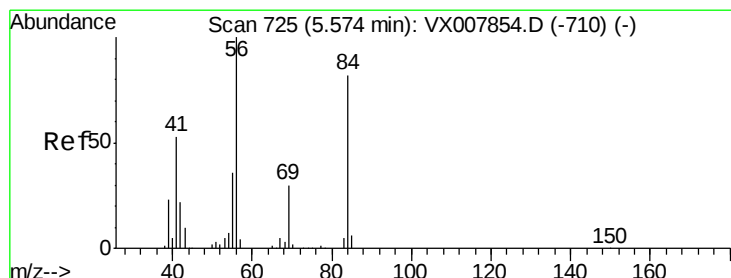
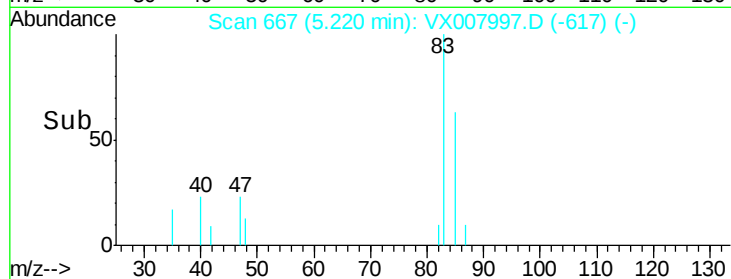
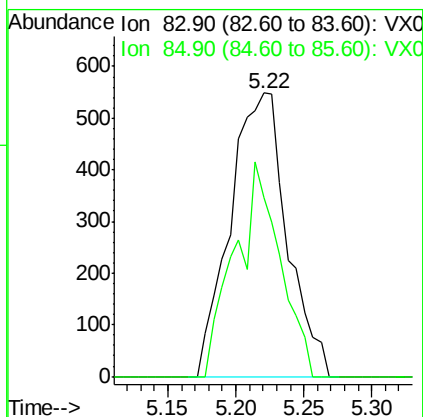
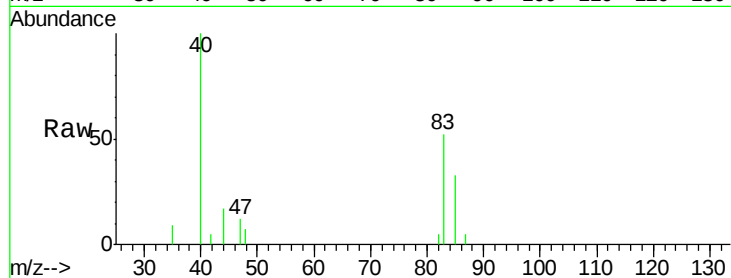




#30
Chloroform
Concen: 0.392 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX007997.D
Acq: 12 Mar 2019 06:14

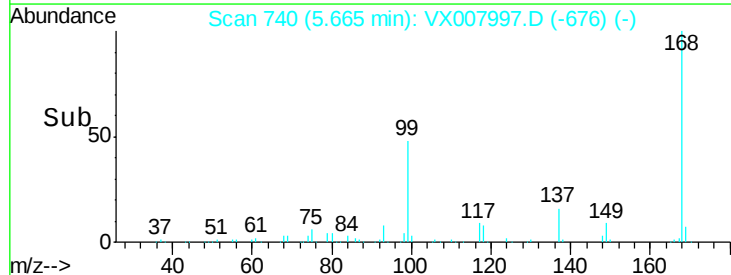
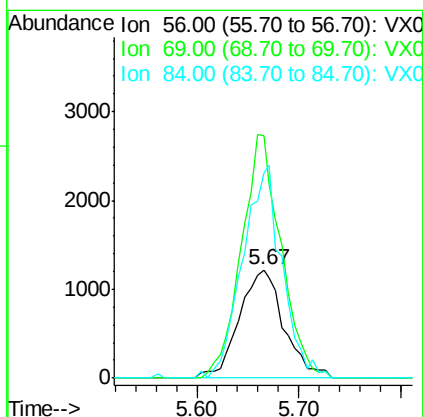
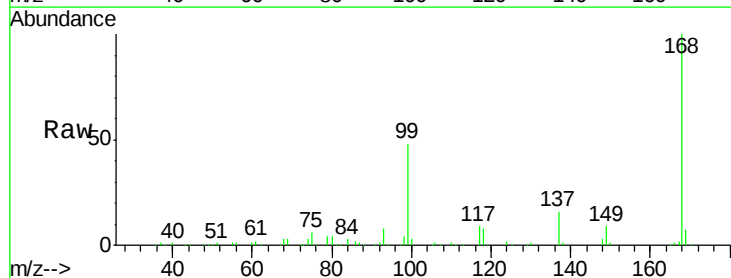
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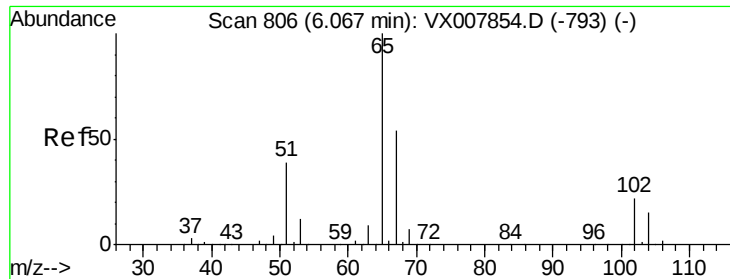
Tot Ion: 83 Resp: 1606
Ion Ratio Lower Upper
83 100
85 63.0 51.8 77.6



#31
Cyclohexane
Concen: 0.934 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX007997.D
Acq: 12 Mar 2019 06:14

Tgt Ion: 56 Resp: 3719
Ion Ratio Lower Upper
56 100
69 223.2 24.0 36.0#
84 188.9 65.3 97.9#





#33

1,2-Dichloroethane-d4

Concen: 51.498 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007997.D

Acq: 12 Mar 2019 06:14

Instrument :

MSVOA_X

ClientSampleId :

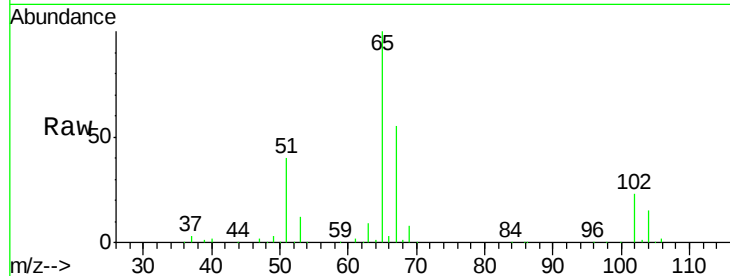
CPA-CPMW10S-M20W2-030519-D

Tot Ion: 65 Resp: 133468

Ion Ratio Lower Upper

65 100

67 54.7 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

50000

40000

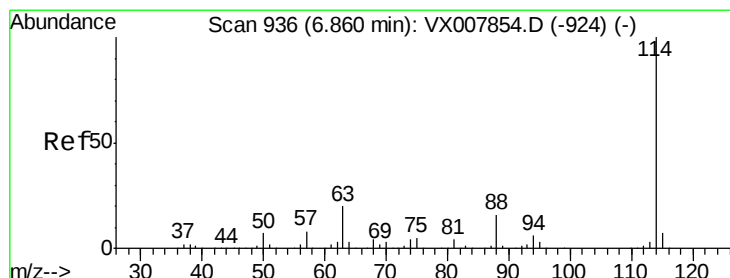
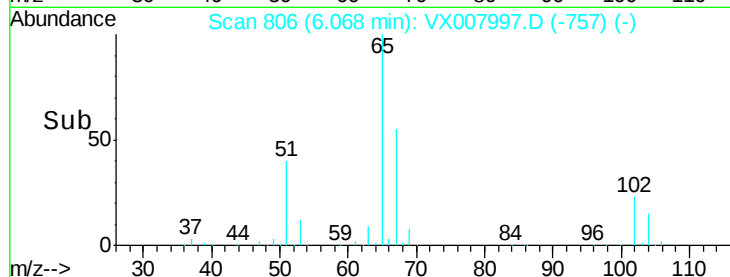
30000

20000

10000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007997.D

Acq: 12 Mar 2019 06:14

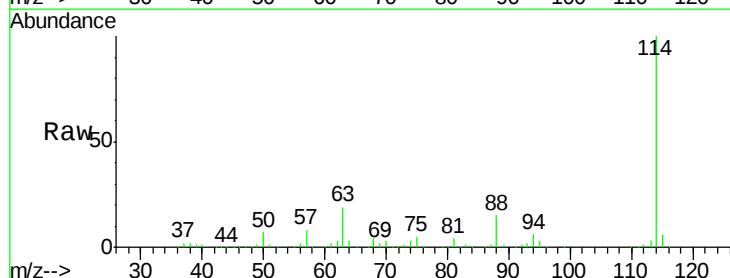
Tgt Ion: 114 Resp: 382808

Ion Ratio Lower Upper

114 100

63 19.5 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

6.86

200000

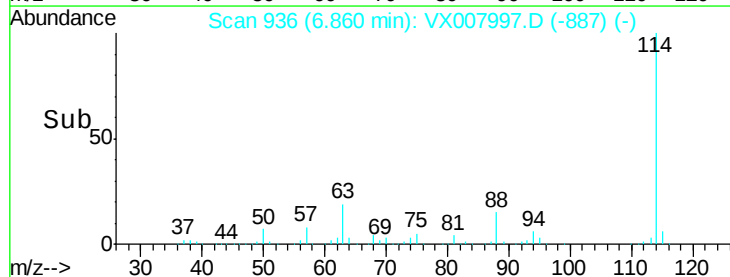
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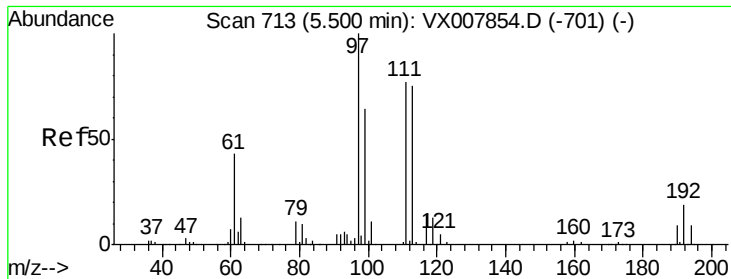
100000

50000

0

Time--> 6.70 6.80 6.90 7.00 7.10

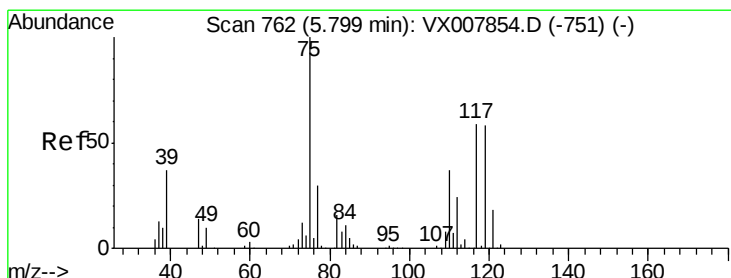
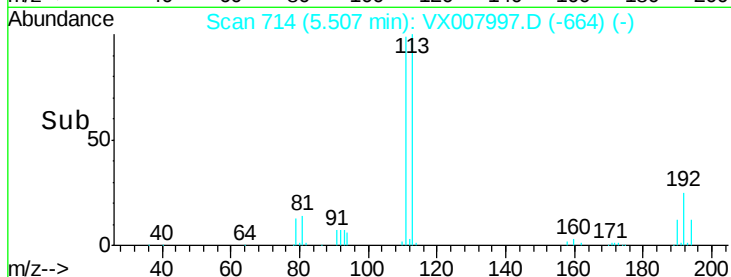
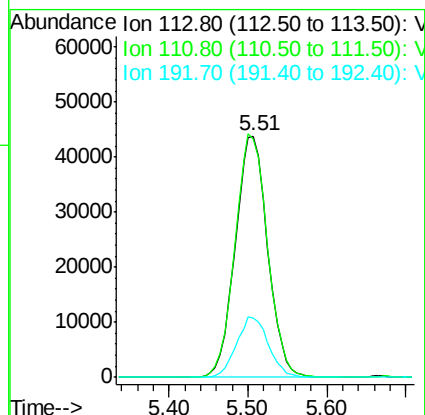
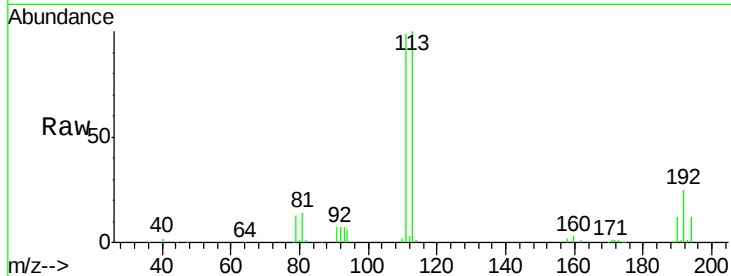




#35
 Dibromofluoromethane
 Concen: 51.125 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX007997.D
 Acq: 12 Mar 2019 06:14

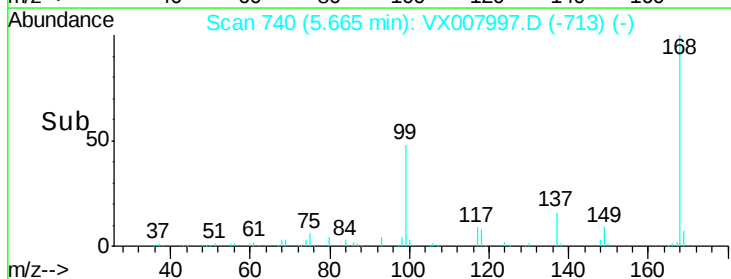
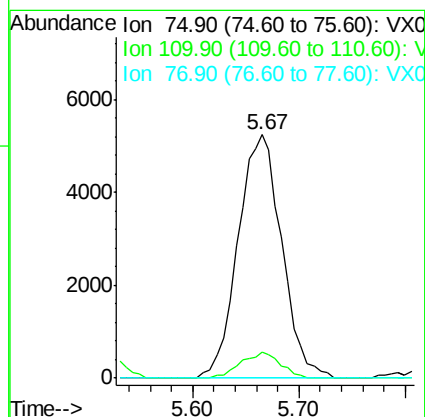
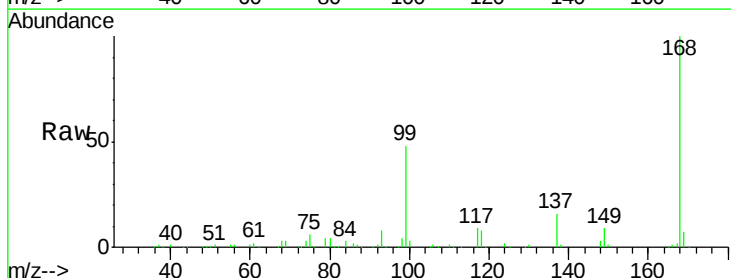
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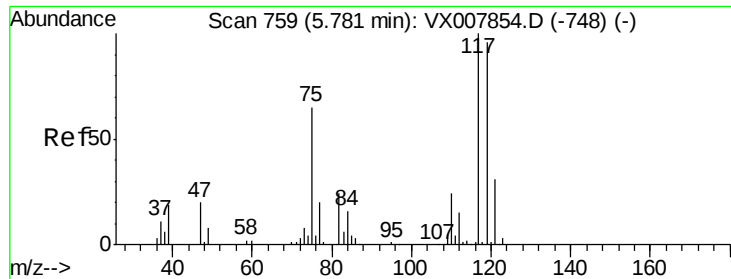
Tot Ion:113 Resp: 125190
 Ion Ratio Lower Upper
 113 100
 111 100.9 81.4 122.0
 192 24.6 19.4 29.0



#36
 1,1-Dichloropropene
 Concen: 4.335 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX007997.D
 Acq: 12 Mar 2019 06:14

Tgt Ion: 75 Resp: 15027
 Ion Ratio Lower Upper
 75 100
 110 9.6 18.4 55.0#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.282 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007997.D

Acq: 12 Mar 2019 06:14

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW10S-M20W2-030519-D

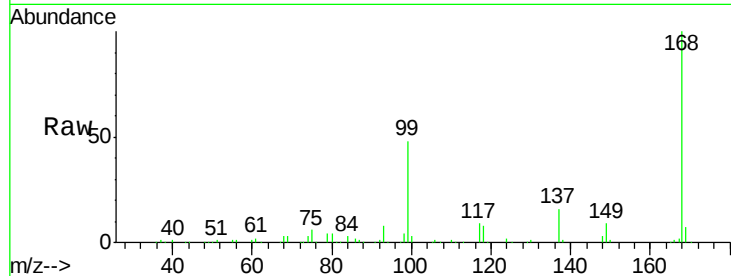
Tot Ion:117 Resp: 20673

Ion Ratio Lower Upper

117 100

119 5.3 76.2 114.2#

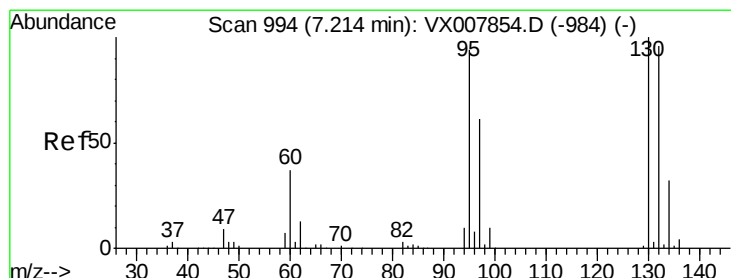
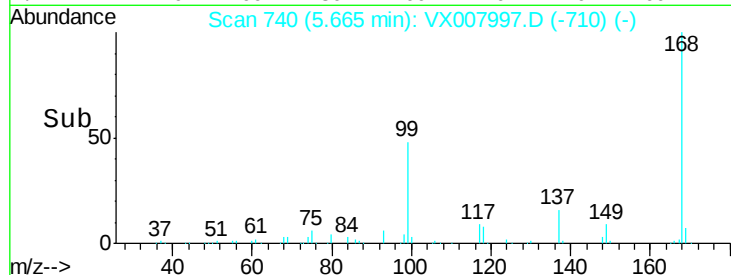
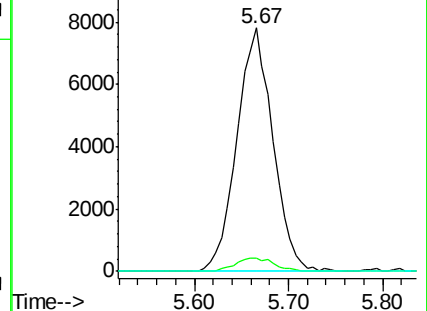
121 0.0 24.6 36.8#



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: 1.031 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX007997.D

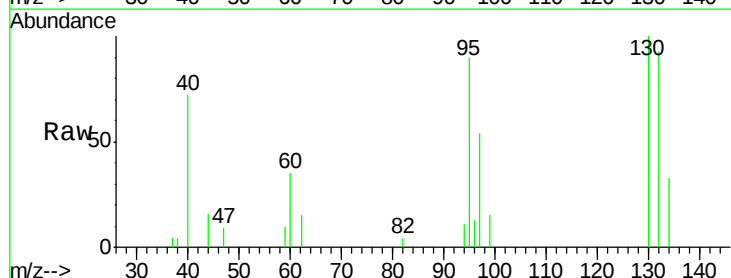
Acq: 12 Mar 2019 06:14

Tgt Ion:130 Resp: 2932

Ion Ratio Lower Upper

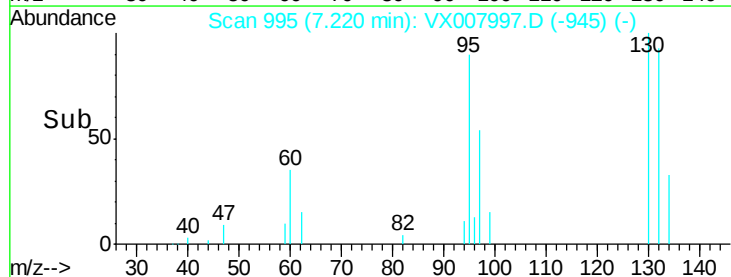
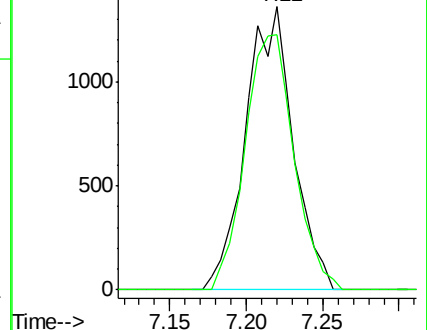
130 100

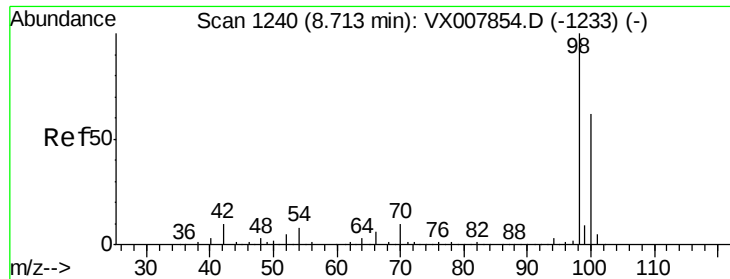
95 89.9 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

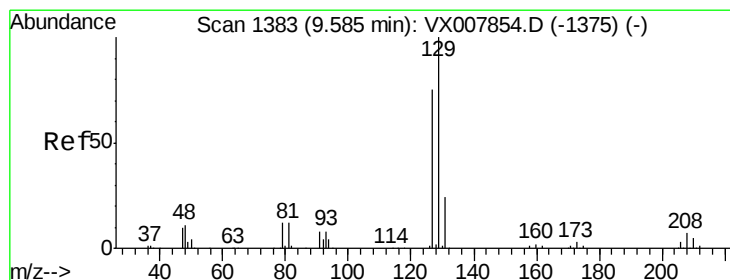
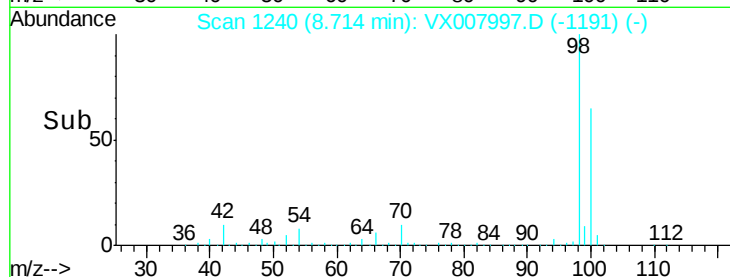
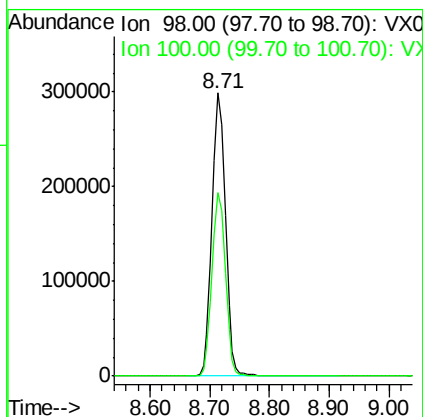
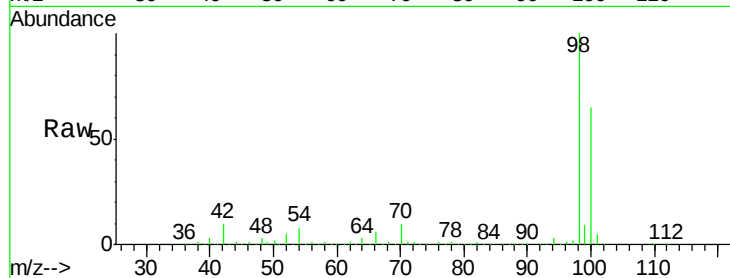




#50
Toluene-d8
Concen: 51.539 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX007997.D
Acq: 12 Mar 2019 06:14

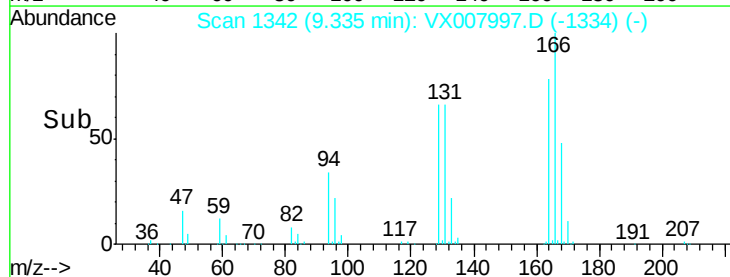
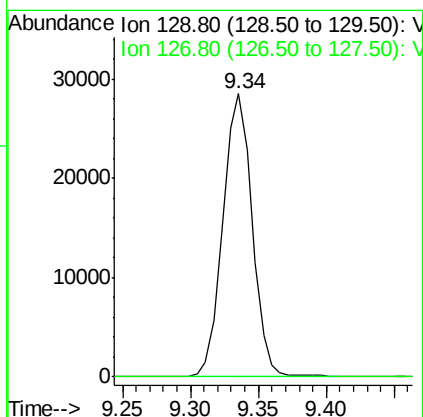
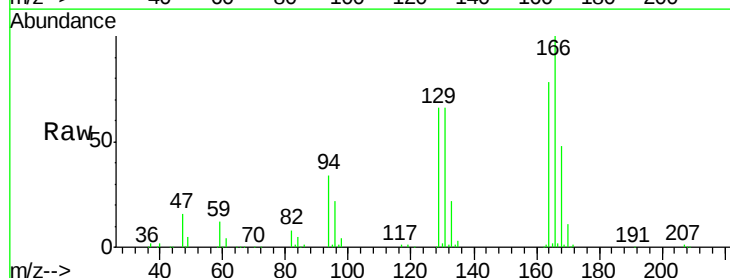
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW10S-M20W2-030519-D

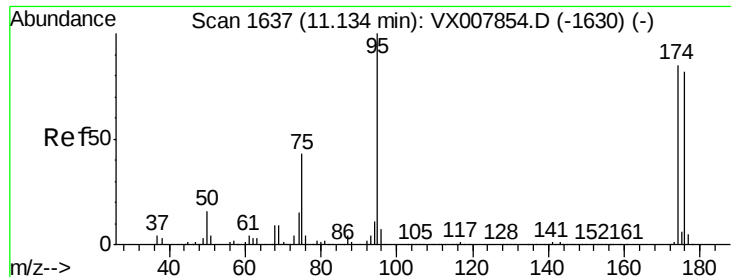
Tot Ion: 98 Resp: 463490
Ion Ratio Lower Upper
98 100
100 65.0 51.7 77.5



#60
Dibromochloromethane
Concen: 15.965 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.25 min
Lab File: VX007997.D
Acq: 12 Mar 2019 06:14

Tgt Ion:129 Resp: 42559
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.8#

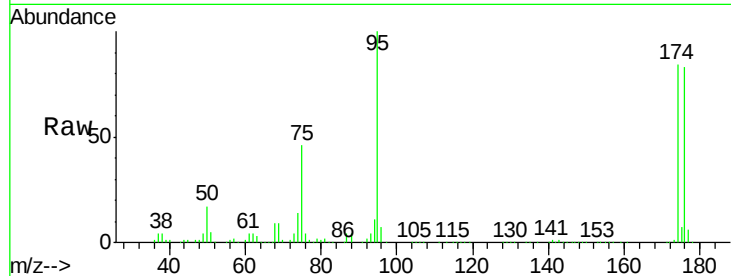




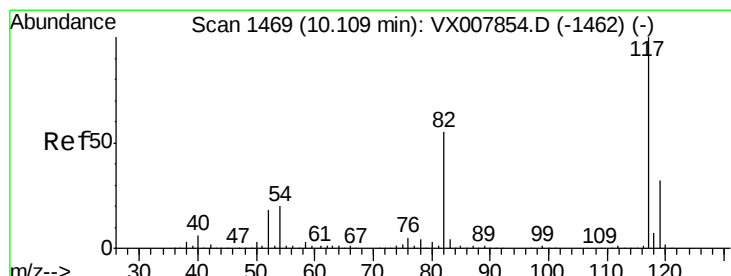
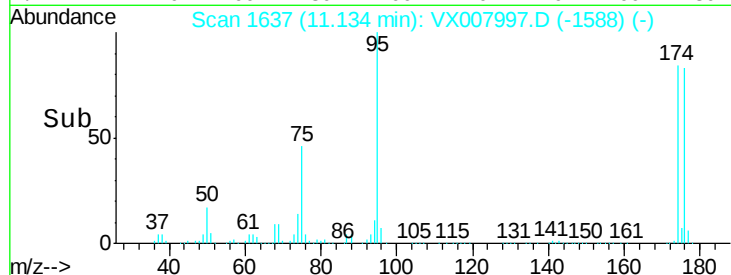
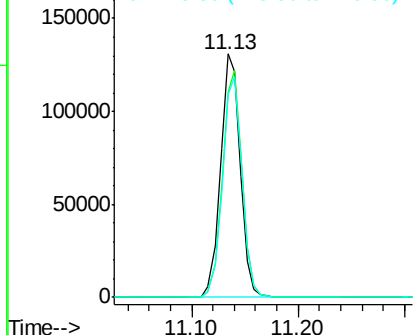
#62
4-Bromofluorobenzene
Concen: 53.354 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007997.D
Acq: 12 Mar 2019 06:14

Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW10S-M20W2-030519-D

Tot Ion: 95 Resp: 168222
Ion Ratio Lower Upper
95 100
174 93.3 0.0 182.8
176 90.6 0.0 178.0

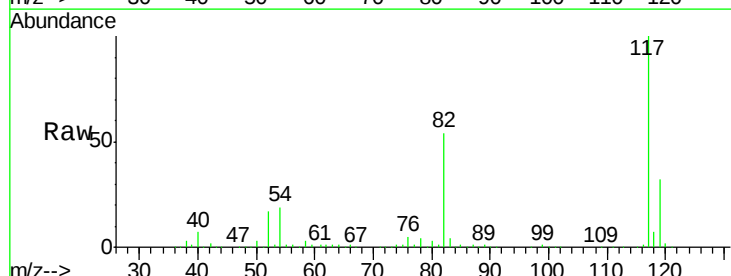


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

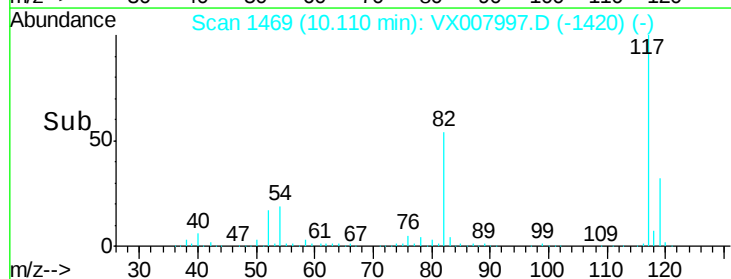
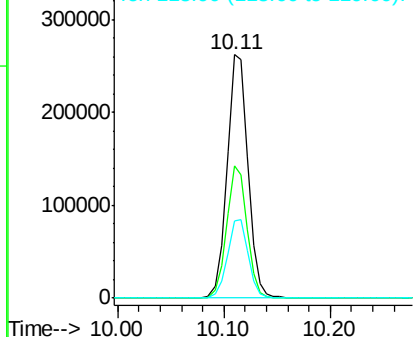


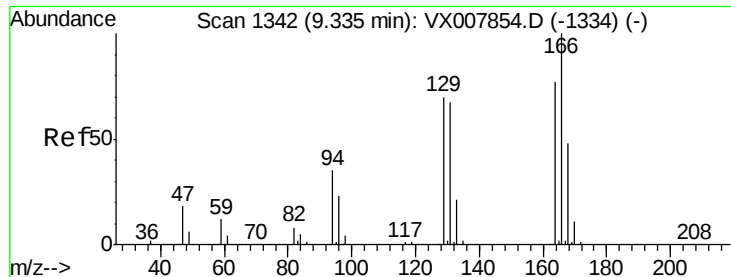
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007997.D
Acq: 12 Mar 2019 06:14

Tgt Ion: 117 Resp: 360428
Ion Ratio Lower Upper
117 100
82 54.3 44.3 66.5
119 31.9 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

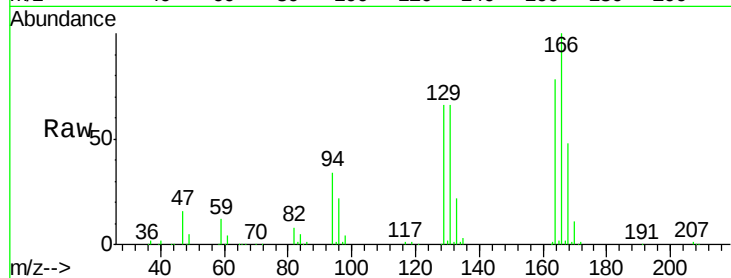




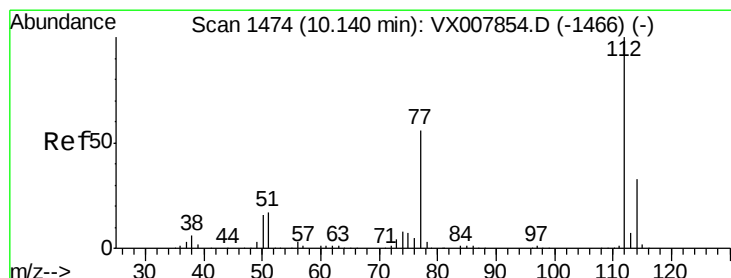
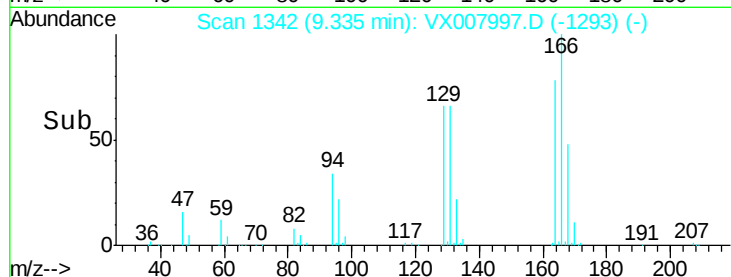
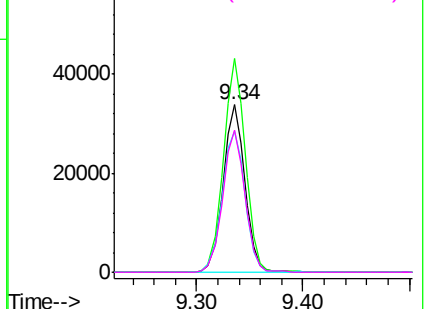
#64
Tetrachloroethene
Concen: 16.150 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007997.D
Acq: 12 Mar 2019 06:14

Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW10S-M20W2-030519-D

Tot Ion:164 Resp: 48239
Ion Ratio Lower Upper
164 100
166 127.6 103.4 155.0
129 84.3 72.2 108.4
131 84.8 69.4 104.2

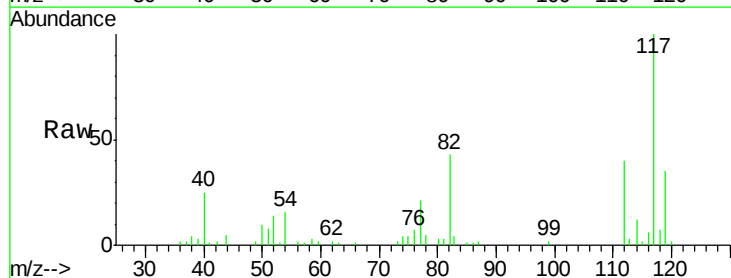


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

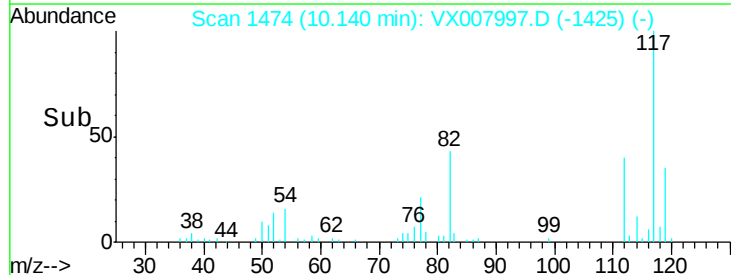
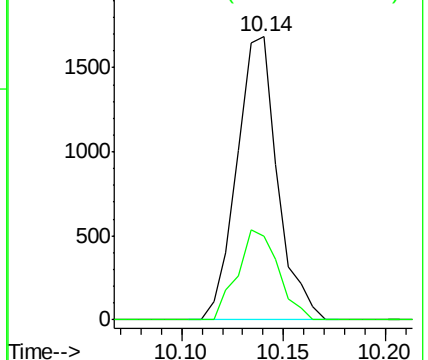


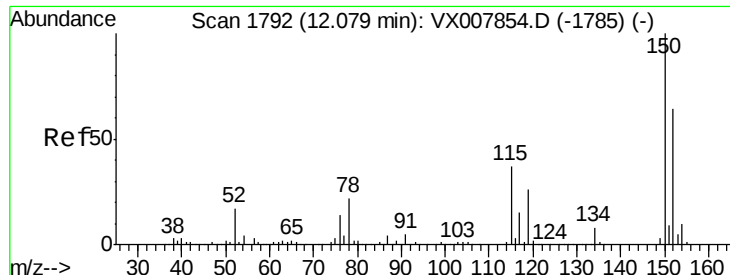
#65
Chlorobenzene
Concen: 0.310 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX007997.D
Acq: 12 Mar 2019 06:14

Tgt Ion:112 Resp: 2340
Ion Ratio Lower Upper
112 100
114 29.6 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V



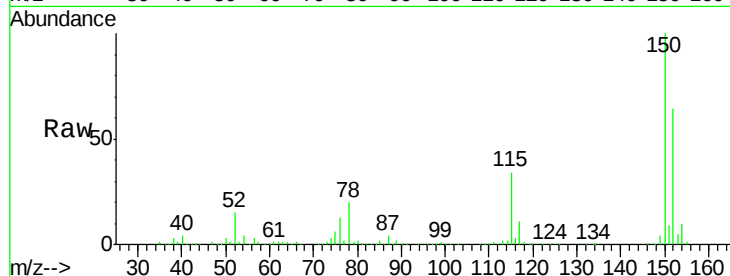


#72

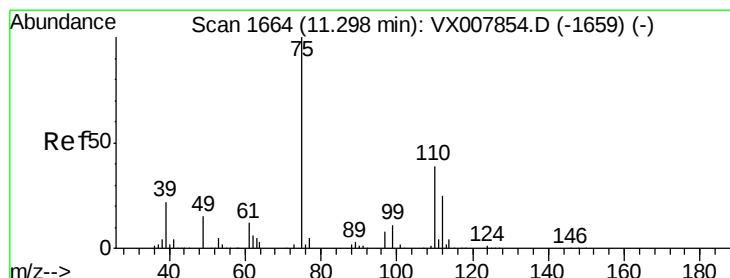
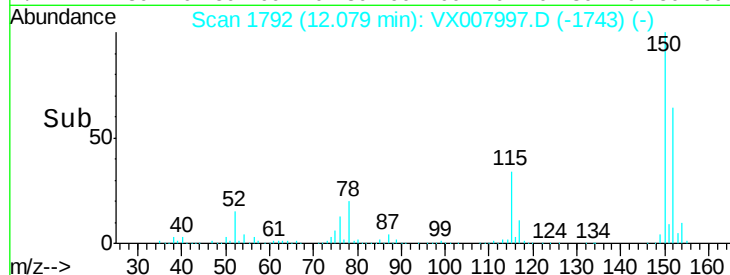
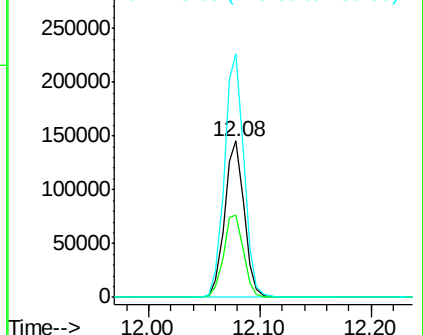
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007997.D
Acq: 12 Mar 2019 06:14

Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW10S-M20W2-030519-D

Tot Ion:152 Resp: 174674
Ion Ratio Lower Upper
152 100
115 54.6 38.6 115.7
150 156.5 0.0 348.4



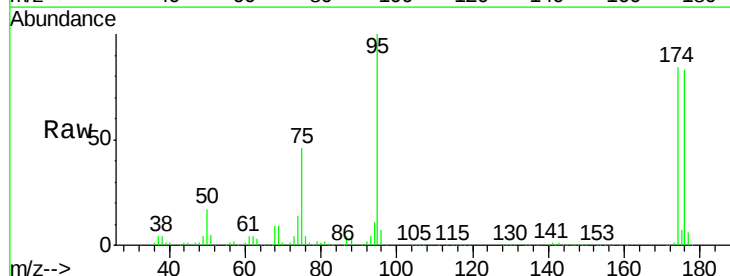
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



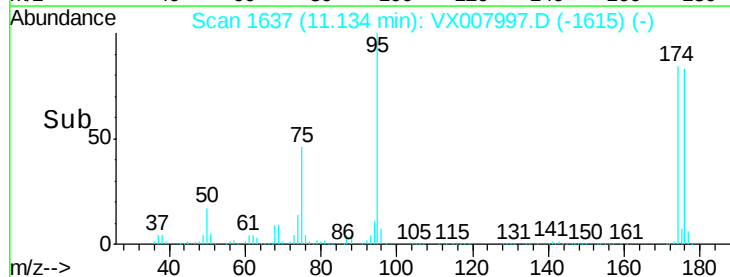
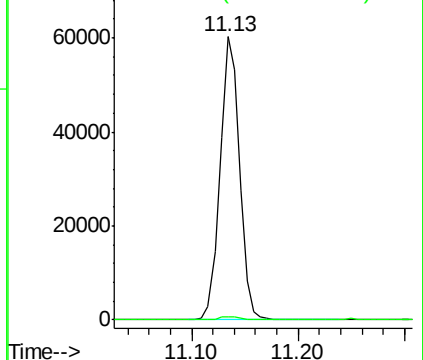
#76

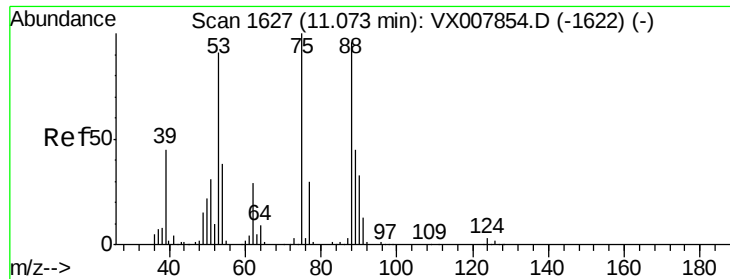
1,2,3-Trichloropropane
Concen: 20.945 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX007997.D
Acq: 12 Mar 2019 06:14

Tgt Ion: 75 Resp: 76773
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: 66.952 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007997.D

Acq: 12 Mar 2019 06:14

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW10S-M20W2-030519-D

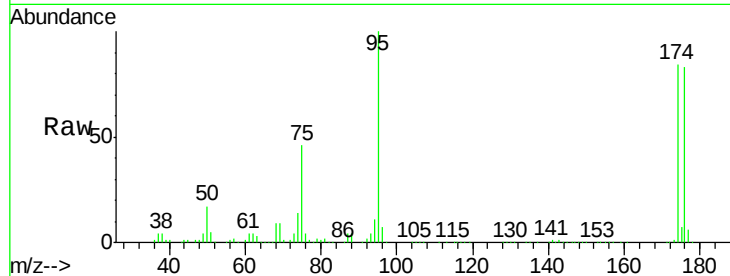
Tot Ion: 75 Resp: 76773

Ion Ratio Lower Upper

75 100

53 0.1 76.1 114.1#

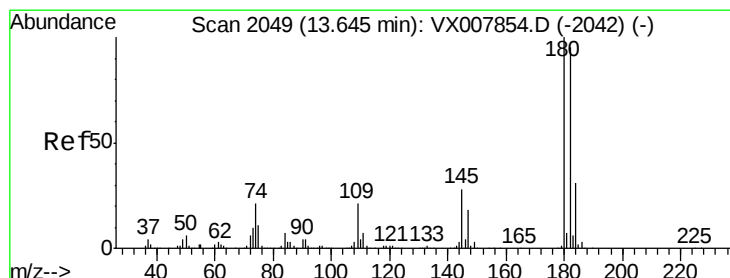
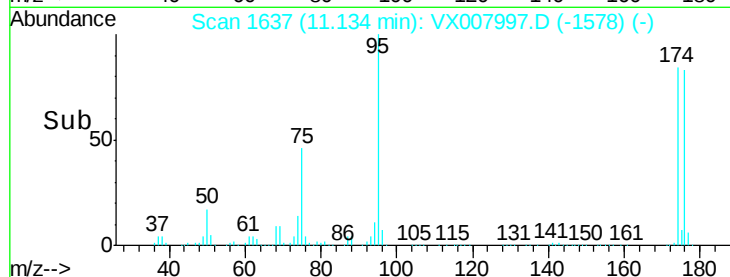
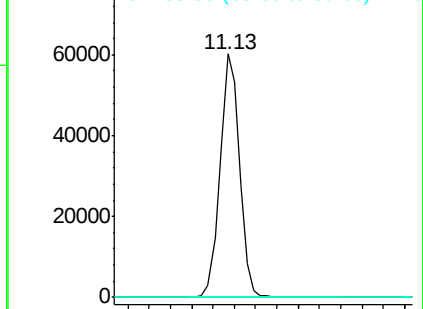
89 0.0 36.3 54.5#



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



#93

1,2,4-Trichlorobenzene

Concen: 0.510 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX007997.D

Acq: 12 Mar 2019 06:14

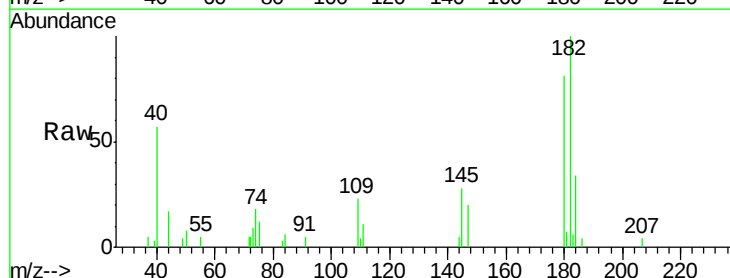
Tgt Ion: 180 Resp: 2038

Ion Ratio Lower Upper

180 100

182 98.8 47.9 143.7

145 29.3 14.1 42.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

