

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031419\
 Data File : VX008086.D
 Acq On : 14 Mar 2019 22:53
 Operator : JC/SP
 Sample : K1829-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

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

Quant Time: Mar 15 04:29:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 03:56:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	312946	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	483000	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	454910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	225735	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	157477	49.88	ug/l	0.00
Spiked Amount			Recovery	=	99.76%	
35) Dibromofluoromethane	5.51	113	152772	49.88	ug/l	0.00
Spiked Amount			Recovery	=	99.76%	
50) Toluene-d8	8.71	98	577127	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
62) 4-Bromofluorobenzene	11.13	95	214476	51.39	ug/l	0.00
Spiked Amount			Recovery	=	102.78%	

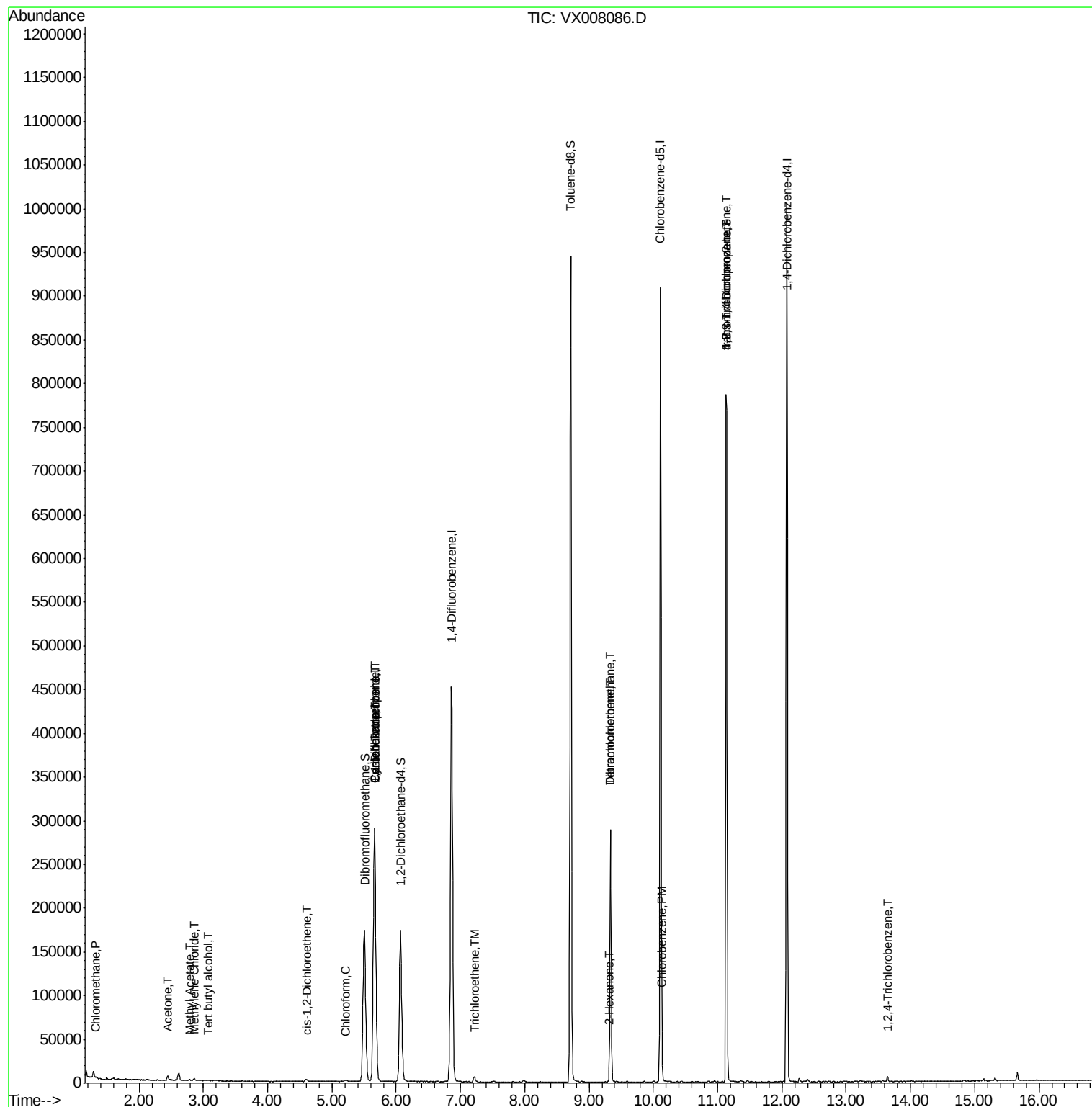
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	698	0.237	ug/l	89
5) Bromomethane	1.65	94	219	Below Cal	#	76
6) Chloroethane	1.70	64	240	Below Cal	#	69
11) Tert butyl alcohol	3.07	59	609	0.999	ug/l	99
16) Acetone	2.45	43	5898	3.957	ug/l	98
18) Methyl Acetate	2.79	43	815	0.253	ug/l	99
20) Methylene Chloride	2.85	84	763	0.287	ug/l #	85
27) cis-1,2-Dichloroethene	4.61	96	1443	0.472	ug/l	99
30) Chloroform	5.21	83	1840	0.384	ug/l	99
31) Cyclohexane	5.66	56	4398	0.974	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	18525	4.662	ug/l #	49
38) Carbon Tetrachloride	5.67	117	25724	6.726	ug/l #	16
44) Trichloroethene	7.21	130	2693	0.767	ug/l	94
59) 2-Hexanone	9.30	43	847	0.239	ug/l	64
60) Dibromochloromethane	9.34	129	53016	16.327	ug/l #	11
64) Tetrachloroethene	9.34	164	60709	16.471	ug/l	97
65) Chlorobenzene	10.14	112	2468	0.273	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	95593	24.384	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	95593	69.387	ug/l #	11
93) 1,2,4-Trichlorobenzene	13.64	180	1961	0.397	ug/l	96

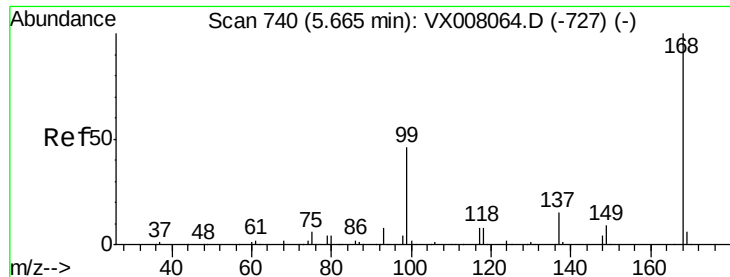
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 15 03:56:35 2019
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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: VX008086.D

Acq: 14 Mar 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

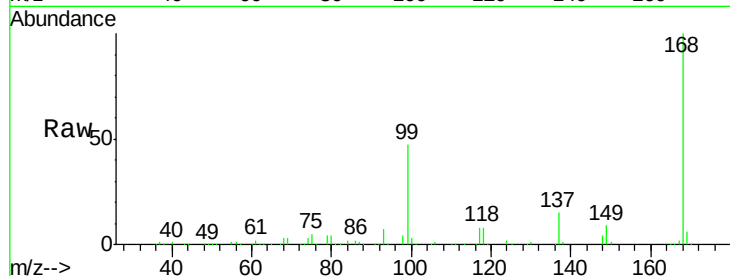
CPA-CPMW10S-M20W2-030519

Tot Ion:168 Resp: 312946

Ion Ratio Lower Upper

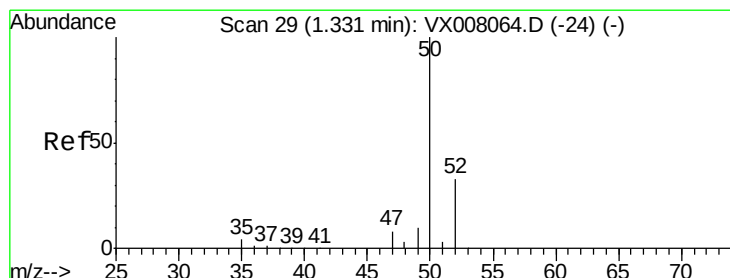
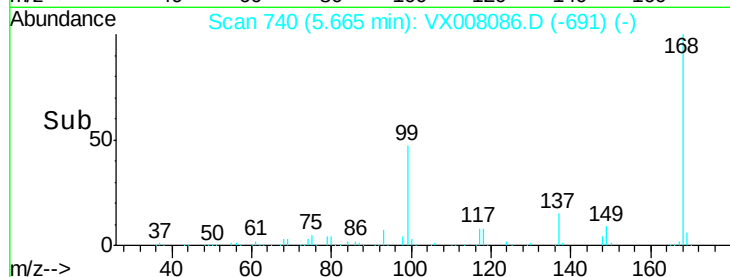
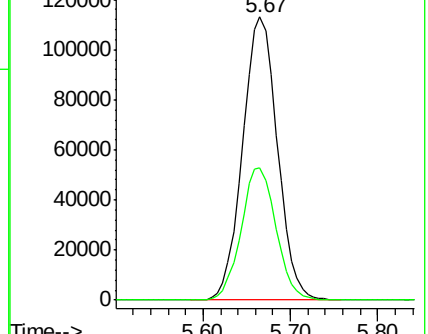
168 100

99 46.6 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.237 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX008086.D

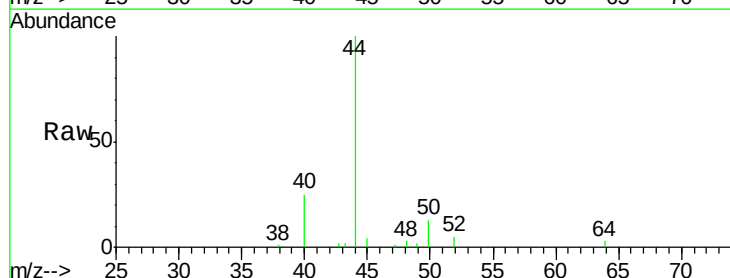
Acq: 14 Mar 2019 22:53

Tgt Ion: 50 Resp: 698

Ion Ratio Lower Upper

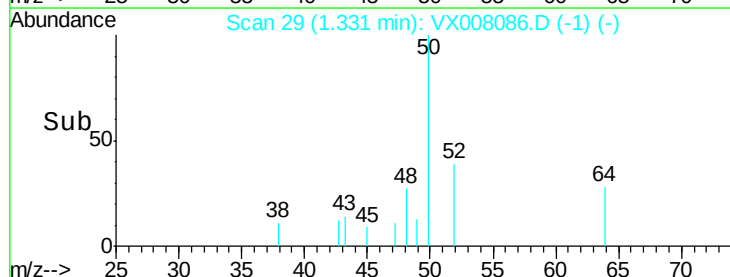
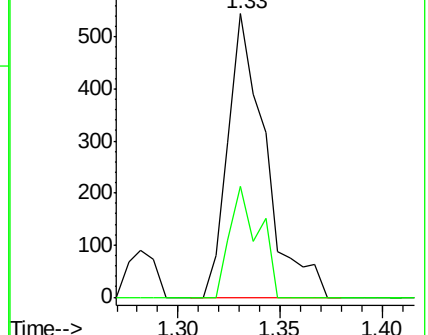
50 100

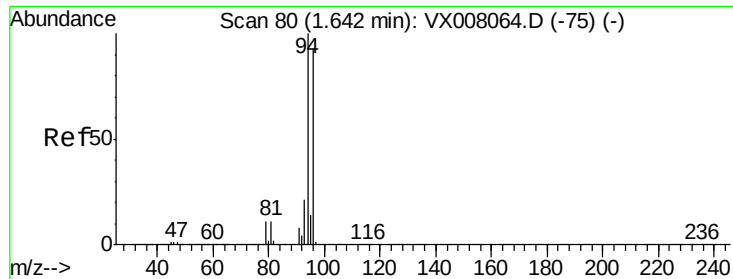
52 39.3 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008086.D

Acq: 14 Mar 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

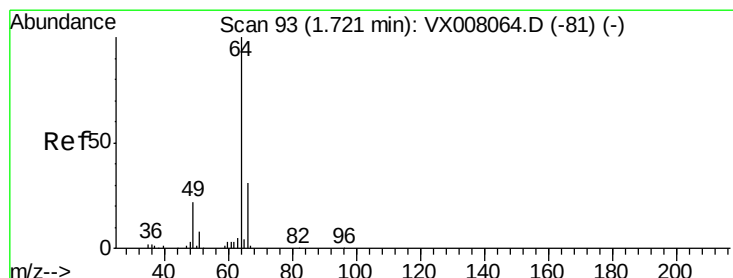
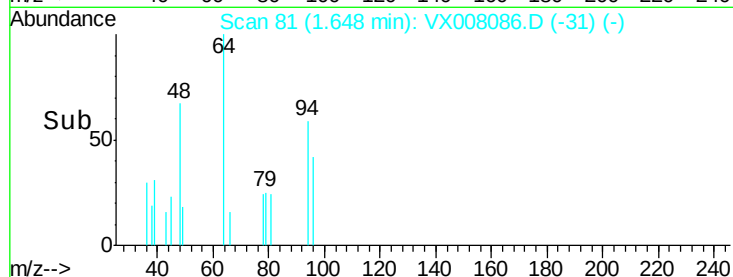
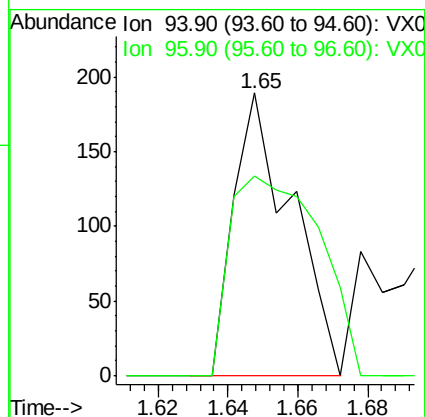
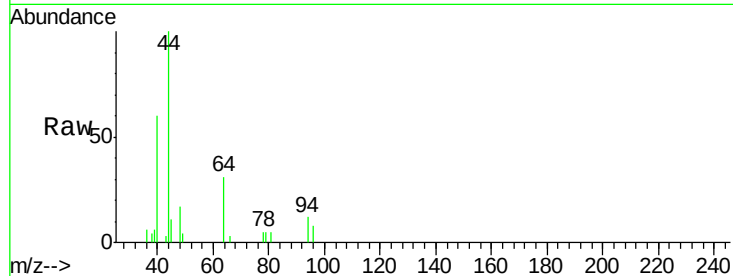
CPA-CPMW10S-M20W2-030519

Tot Ion: 94 Resp: 219

Ion Ratio Lower Upper

94 100

96 70.9 75.5 113.3#



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 90

Delta R.T. -0.02 min

Lab File: VX008086.D

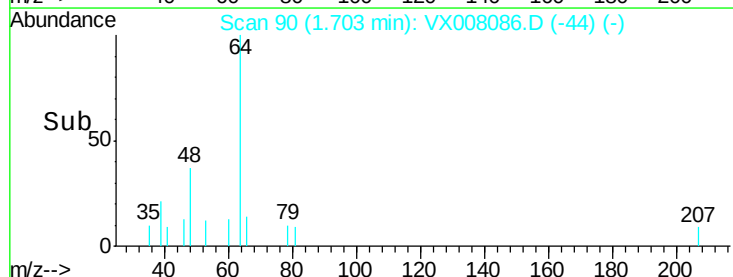
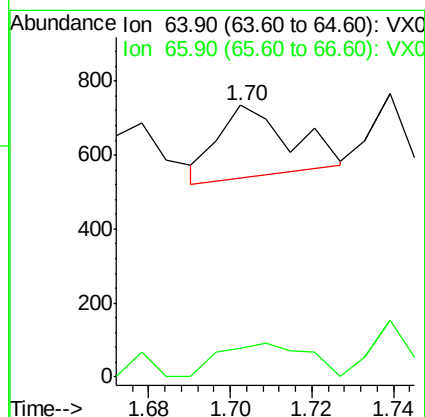
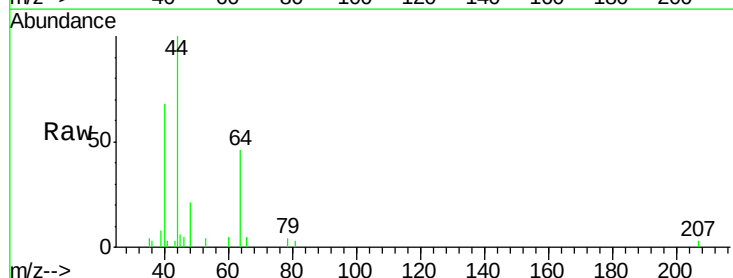
Acq: 14 Mar 2019 22:53

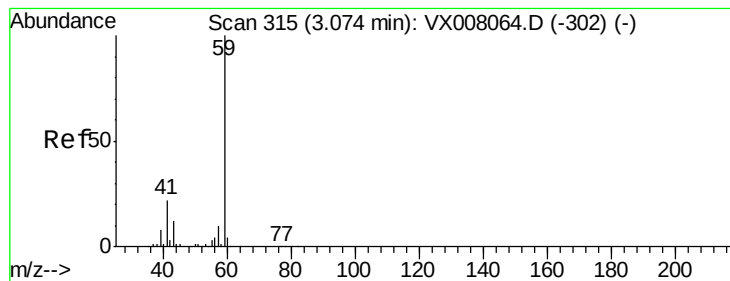
Tgt Ion: 64 Resp: 240

Ion Ratio Lower Upper

64 100

66 48.8 25.2 37.8#





#11

Tert butyl alcohol

Concen: 0.999 ug/l

RT: 3.07 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX008086.D

Acq: 14 Mar 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

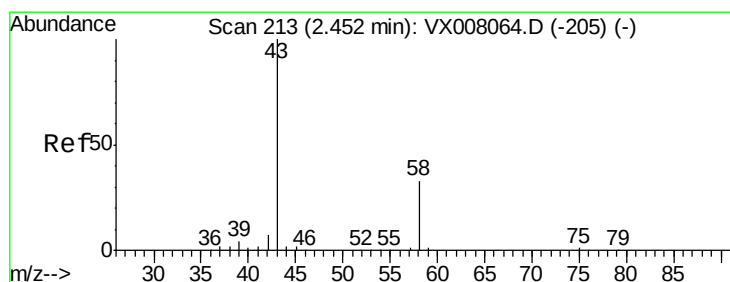
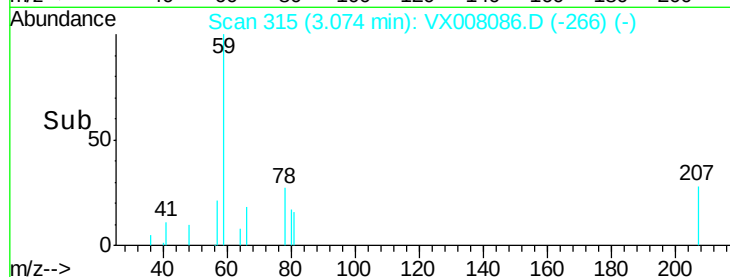
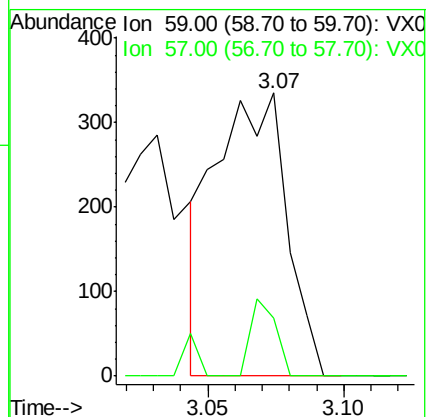
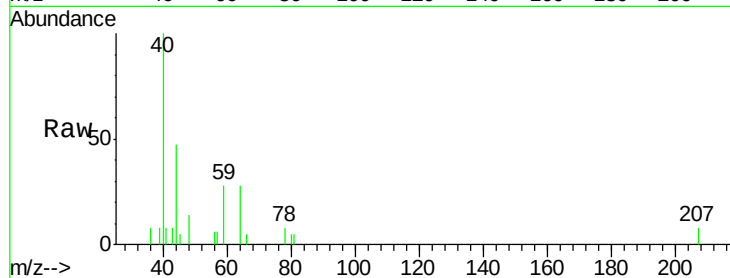
CPA-CPMW10S-M20W2-030519

Tot Ion: 59 Resp: 609

Ion Ratio Lower Upper

59 100

57 9.7 8.2 12.2



#16

Acetone

Concen: 3.957 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX008086.D

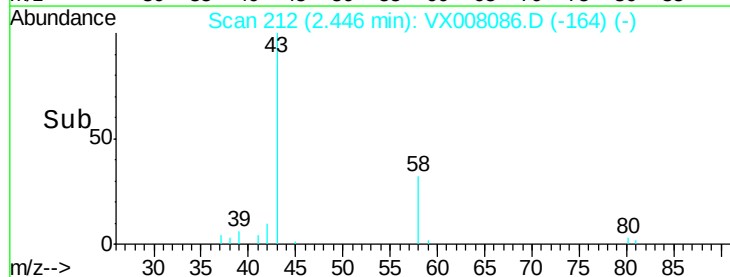
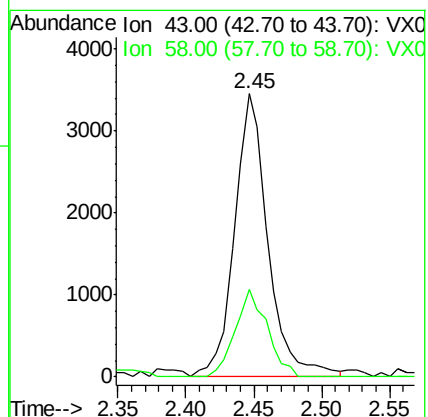
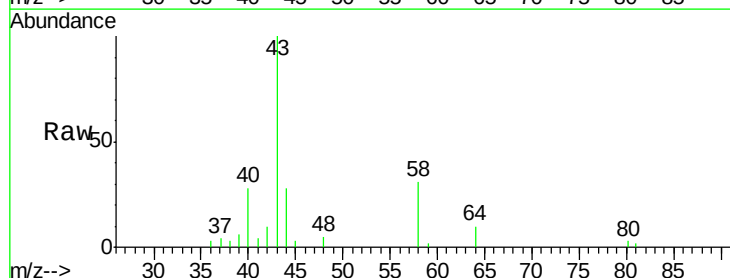
Acq: 14 Mar 2019 22:53

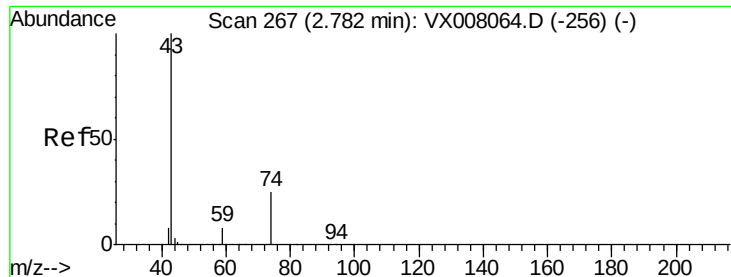
Tgt Ion: 43 Resp: 5898

Ion Ratio Lower Upper

43 100

58 30.9 25.5 38.3

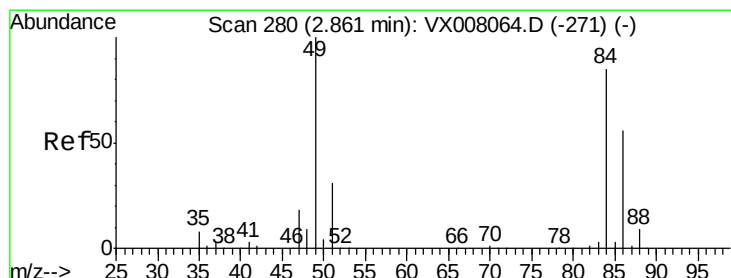
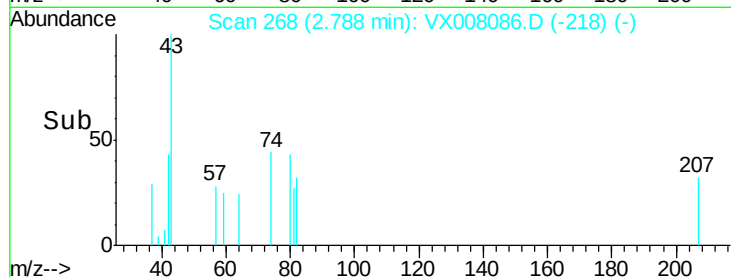
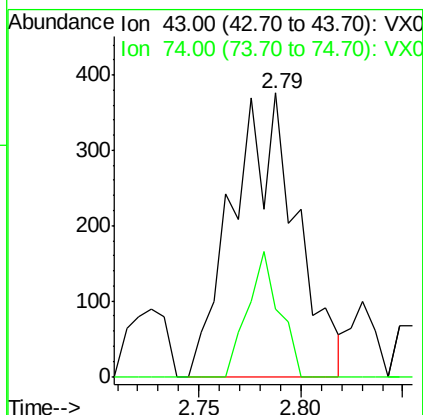
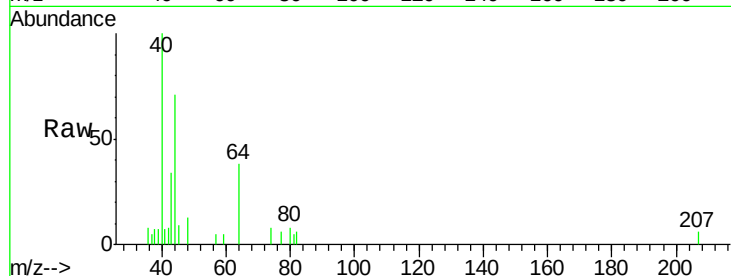




#18
Methyl Acetate
Concen: 0.253 ug/l
RT: 2.79 min Scan# 268
Delta R.T. 0.01 min
Lab File: VX008086.D
Acq: 14 Mar 2019 22:53

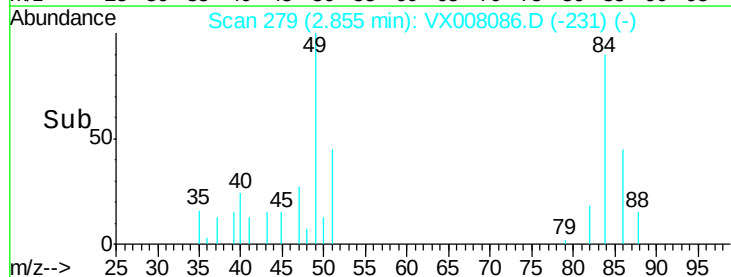
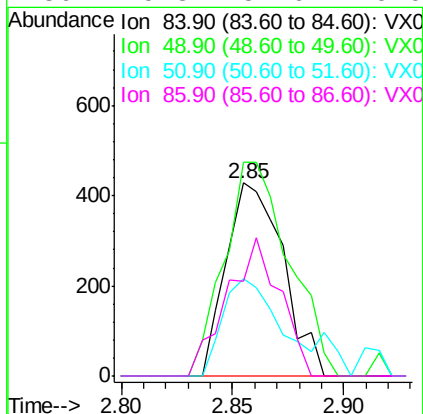
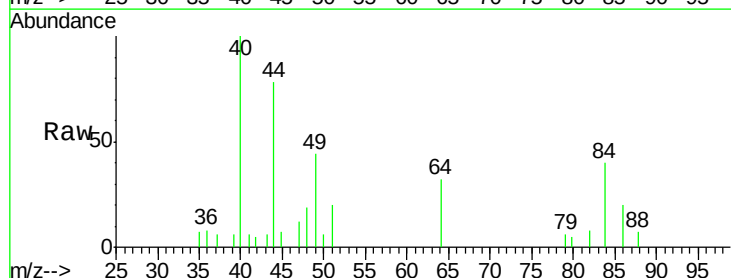
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW10S-M20W2-030519

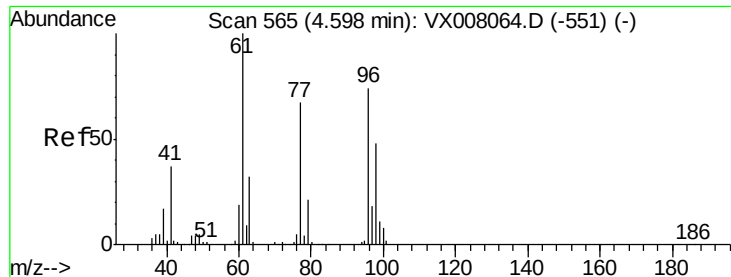
Tot Ion: 43 Resp: 815
Ion Ratio Lower Upper
43 100
74 21.8 17.8 26.6



#20
Methylene Chloride
Concen: 0.287 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008086.D
Acq: 14 Mar 2019 22:53

Tgt Ion: 84 Resp: 763
Ion Ratio Lower Upper
84 100
49 110.7 99.3 148.9
51 50.2 31.3 46.9#
86 49.3 52.6 79.0#



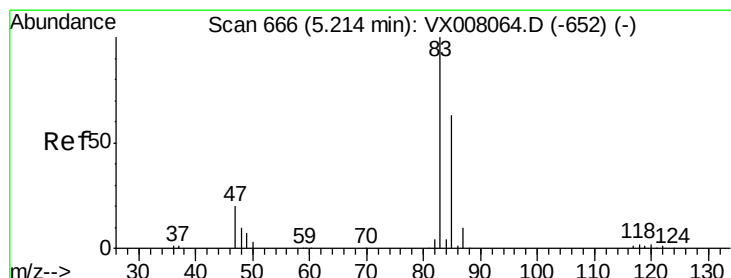
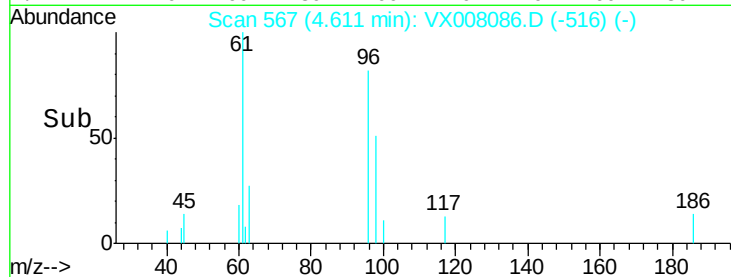
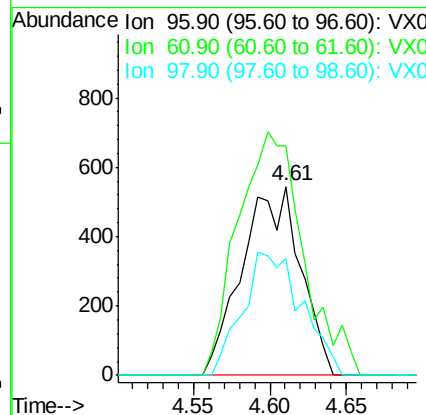
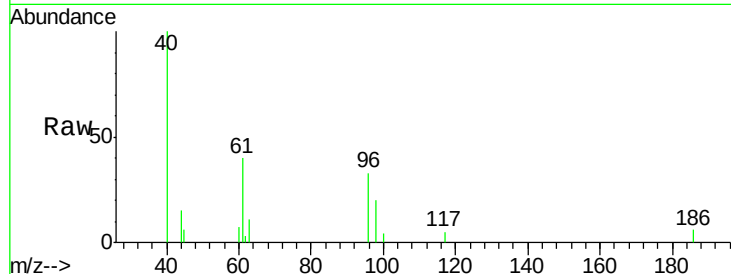


#27

cis-1,2-Dichloroethene
 Concen: 0.472 ug/l
 RT: 4.61 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VX008086.D
 Acq: 14 Mar 2019 22:53

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

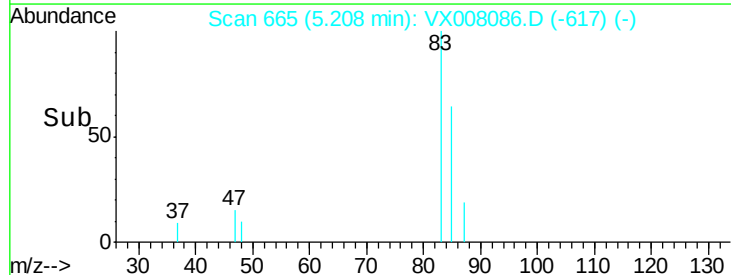
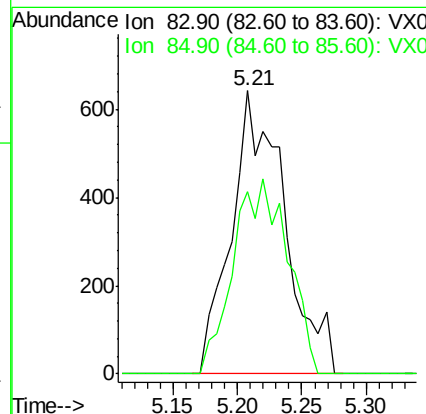
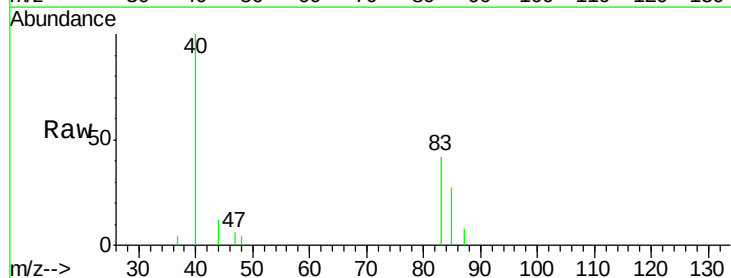
Tot Ion: 96 Resp: 1443
 Ion Ratio Lower Upper
 96 100
 61 144.8 0.0 288.0
 98 66.3 0.0 129.0

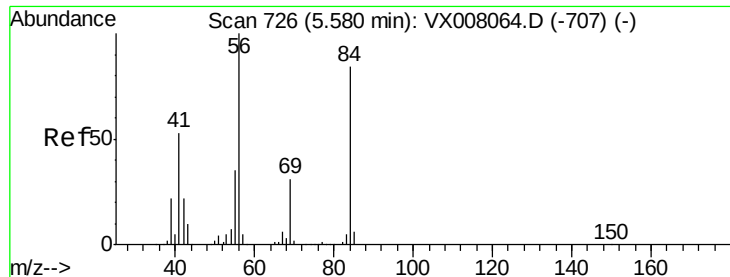


#30

Chloroform
 Concen: 0.384 ug/l
 RT: 5.21 min Scan# 665
 Delta R.T. -0.01 min
 Lab File: VX008086.D
 Acq: 14 Mar 2019 22:53

Tgt Ion: 83 Resp: 1840
 Ion Ratio Lower Upper
 83 100
 85 64.2 51.8 77.6

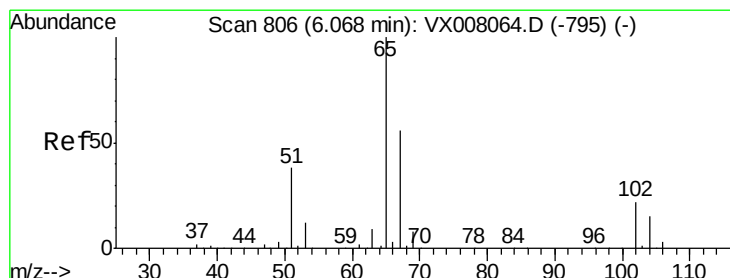
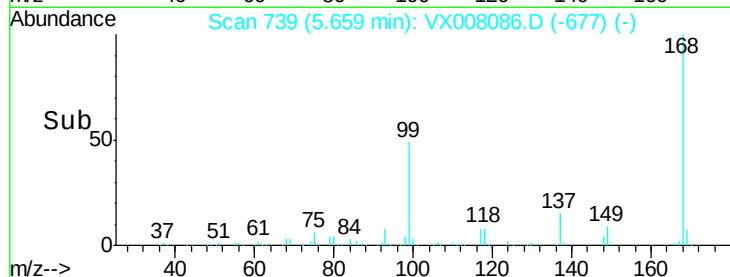
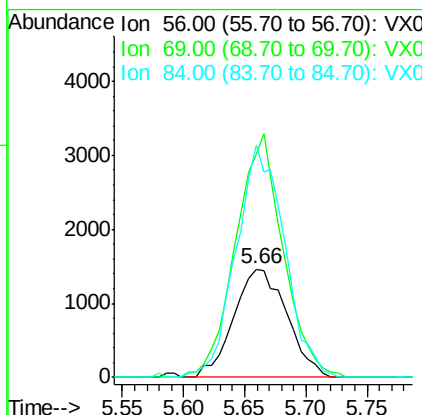
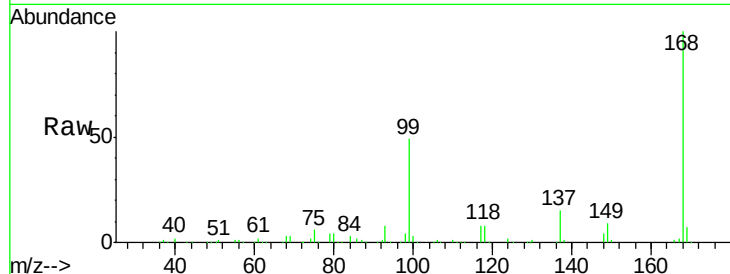




#31
Cyclohexane
Concen: 0.974 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX008086.D
Acq: 14 Mar 2019 22:53

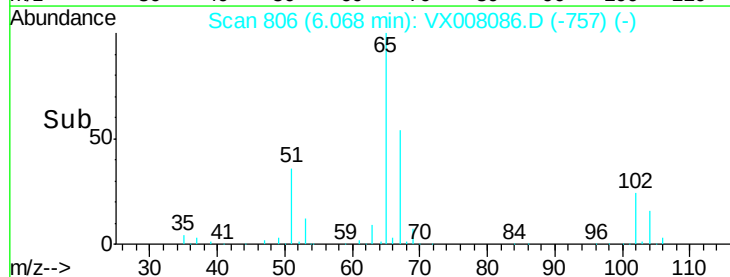
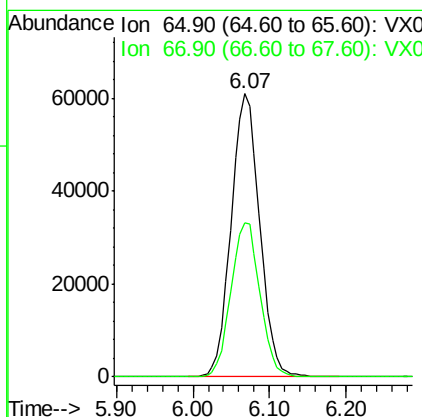
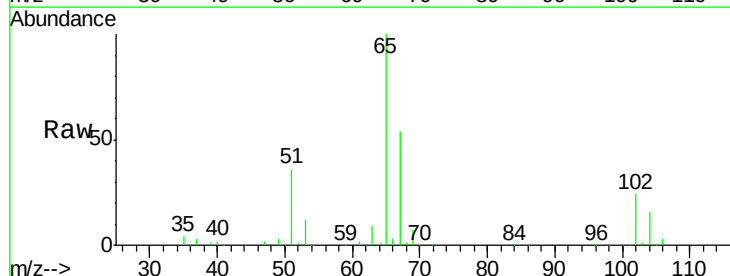
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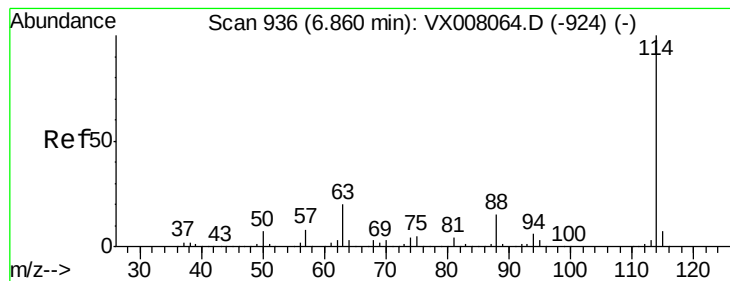
Tot Ion: 56 Resp: 4398
Ion Ratio Lower Upper
56 100
69 202.0 24.0 36.0#
84 213.8 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 49.885 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX008086.D
Acq: 14 Mar 2019 22:53

Tgt Ion: 65 Resp: 157477
Ion Ratio Lower Upper
65 100
67 55.5 0.0 110.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008086.D

Acq: 14 Mar 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW10S-M20W2-030519

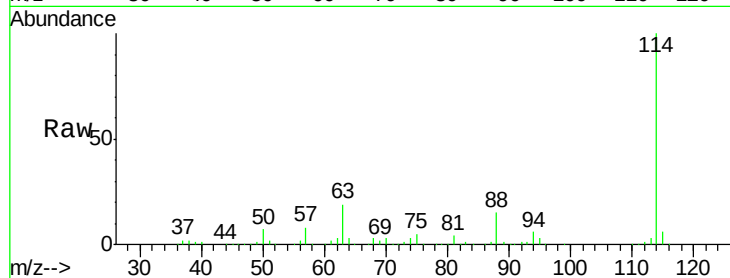
Tot Ion:114 Resp: 483000

Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.8

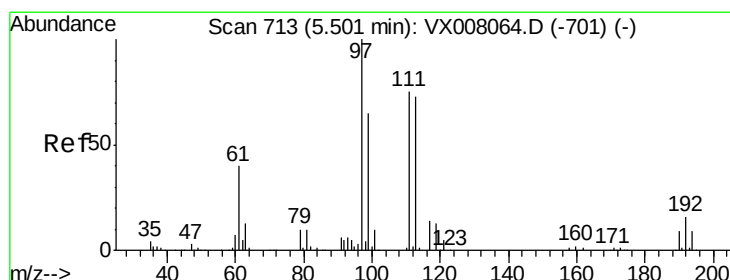
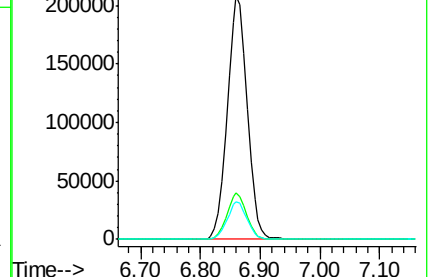
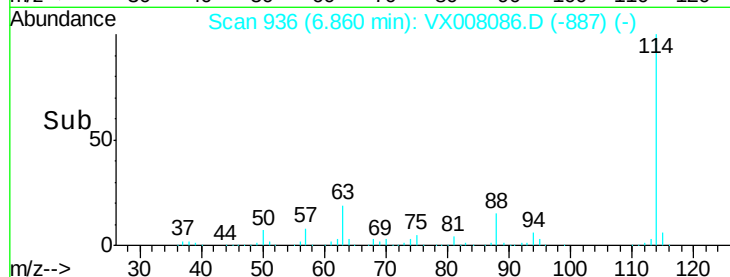
88 15.4 0.0 31.4



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: 49.878 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX008086.D

Acq: 14 Mar 2019 22:53

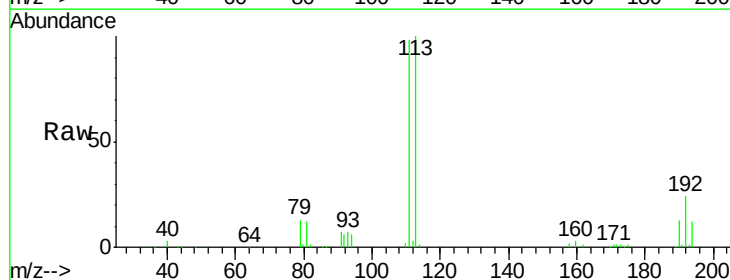
Tgt Ion:113 Resp: 152772

Ion Ratio Lower Upper

113 100

111 102.0 81.4 122.0

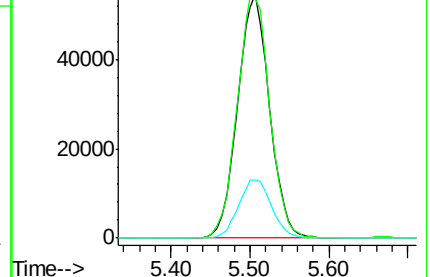
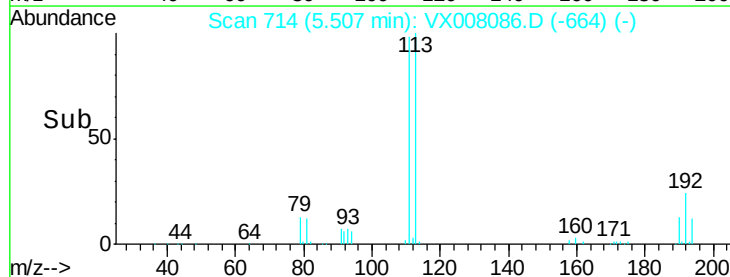
192 24.9 19.4 29.0

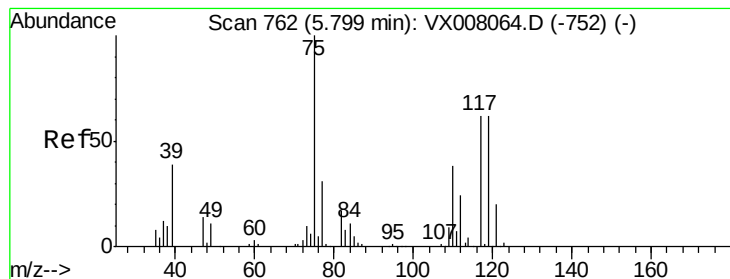


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.662 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008086.D

Acq: 14 Mar 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW10S-M20W2-030519

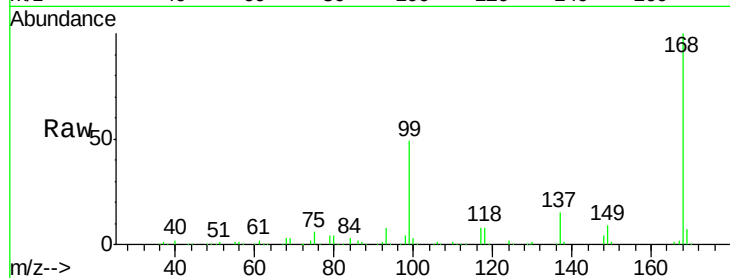
Tot Ion: 75 Resp: 18525

Ion Ratio Lower Upper

75 100

110 8.8 18.4 55.0#

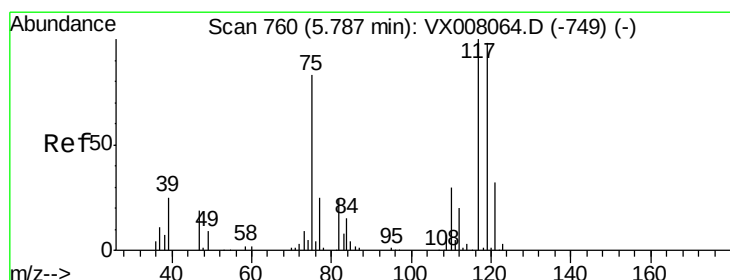
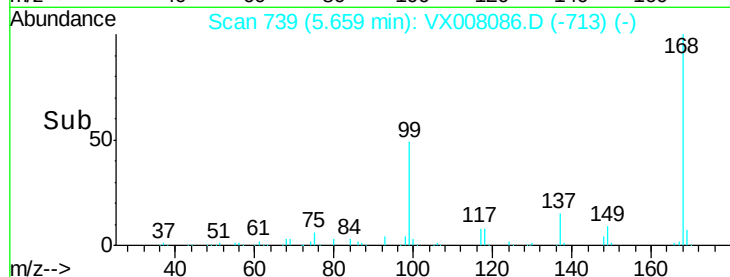
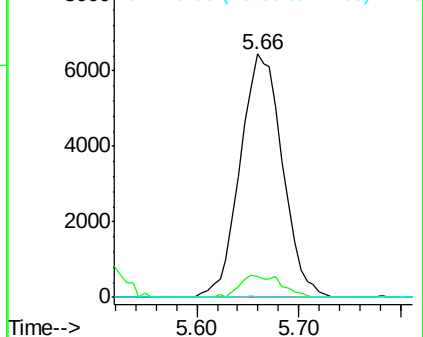
77 0.1 25.0 37.4#



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



#38

Carbon Tetrachloride

Concen: 6.726 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008086.D

Acq: 14 Mar 2019 22:53

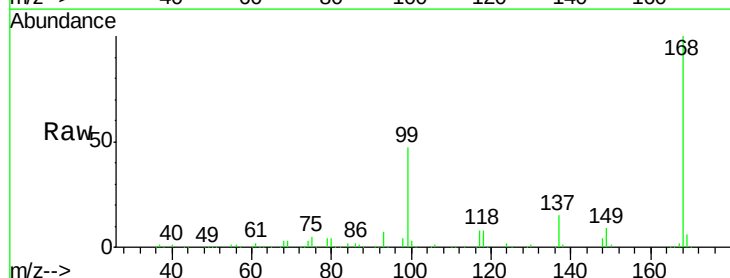
Tgt Ion: 117 Resp: 25724

Ion Ratio Lower Upper

117 100

119 4.2 76.2 114.2#

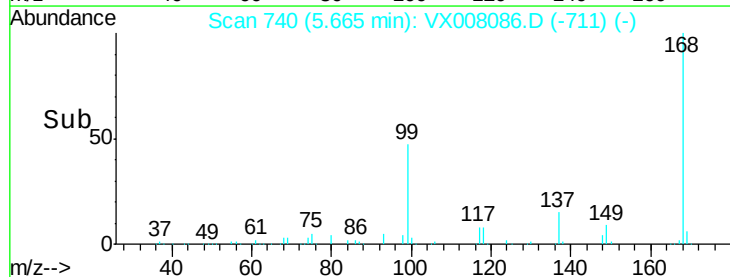
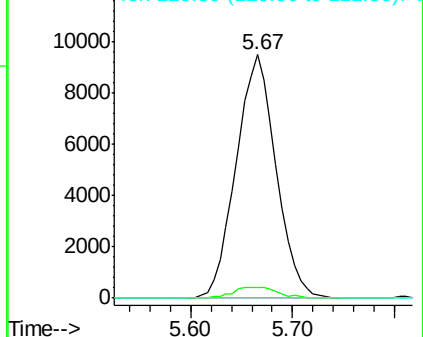
121 0.0 24.6 36.8#

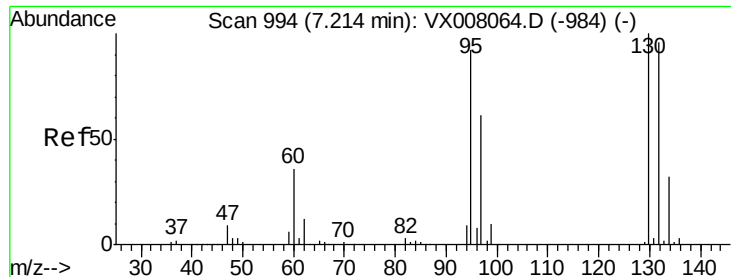


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 0.767 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008086.D

Acq: 14 Mar 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

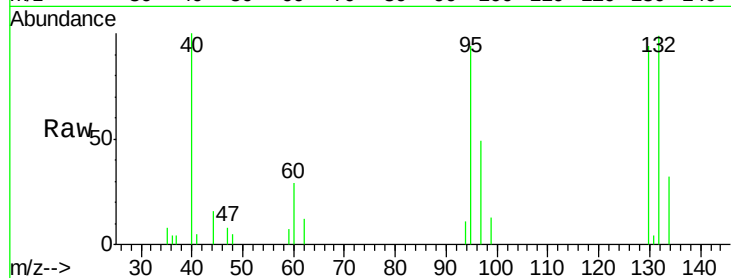
CPA-CPMW10S-M20W2-030519

Tot Ion:130 Resp: 2693

Ion Ratio Lower Upper

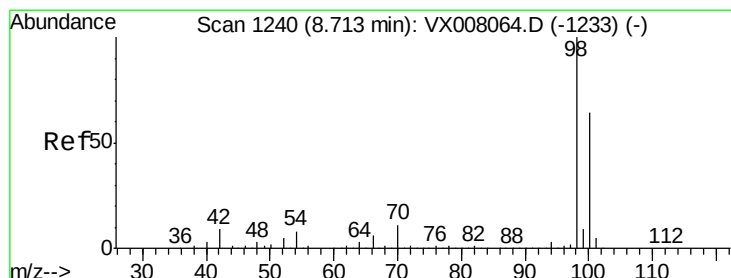
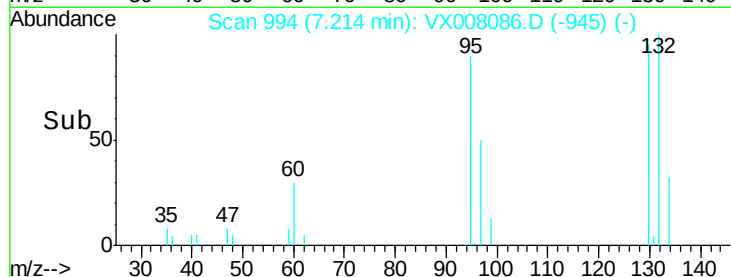
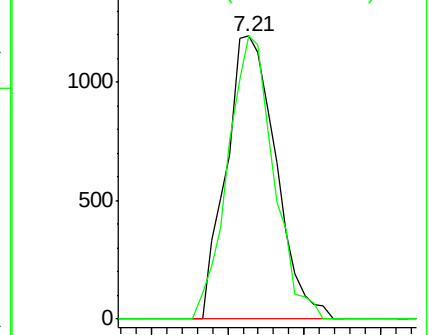
130 100

95 99.9 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: 49.542 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008086.D

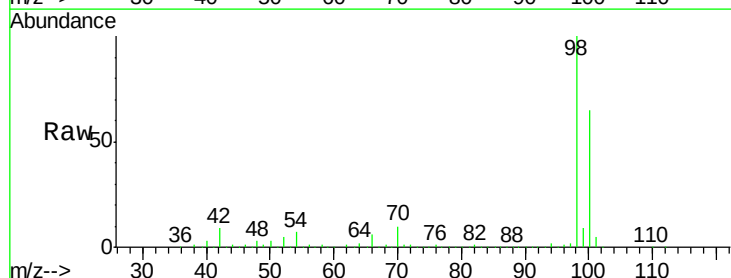
Acq: 14 Mar 2019 22:53

Tgt Ion: 98 Resp: 577127

Ion Ratio Lower Upper

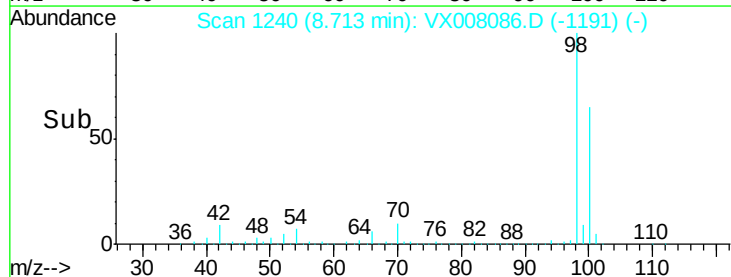
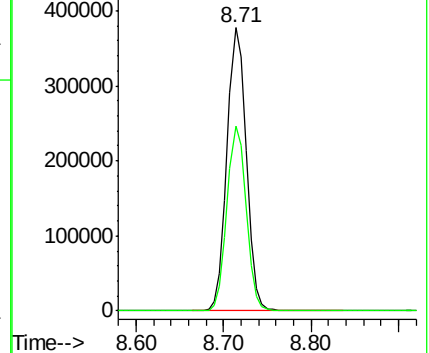
98 100

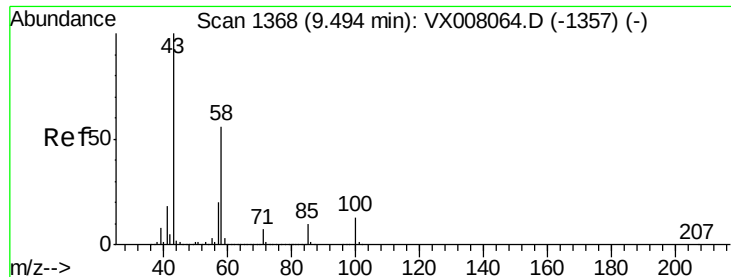
100 65.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

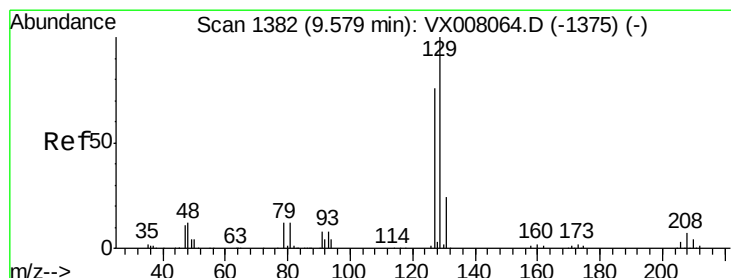
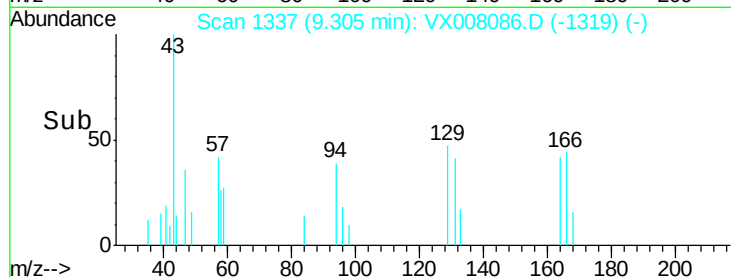
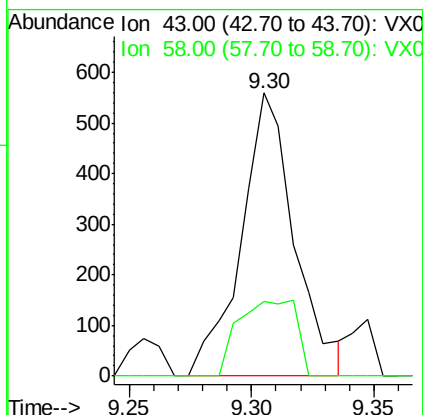
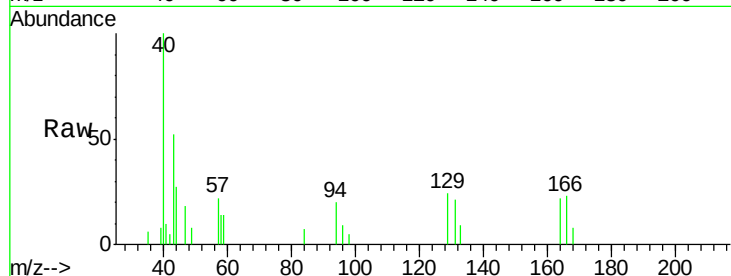




#59
2-Hexanone
Concen: 0.239 ug/l
RT: 9.30 min Scan# 1337
Delta R.T. -0.19 min
Lab File: VX008086.D
Acq: 14 Mar 2019 22:53

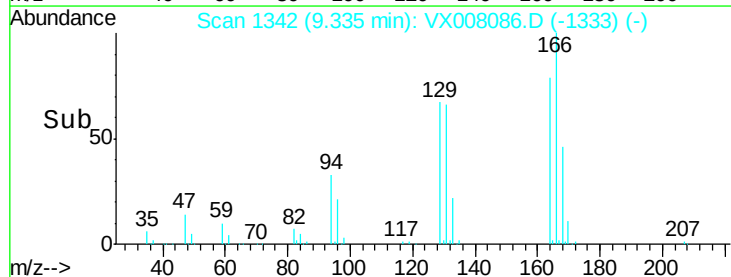
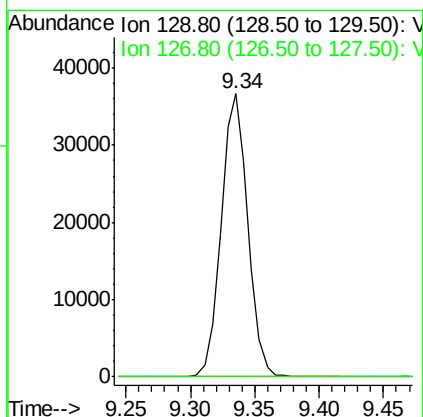
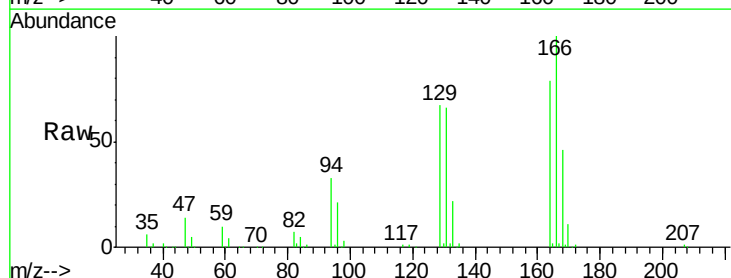
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW10S-M20W2-030519

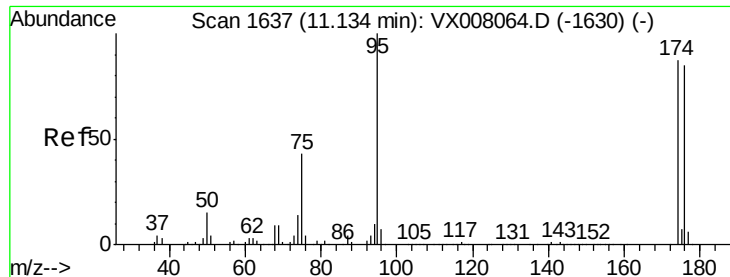
Tot Ion: 43 Resp: 847
Ion Ratio Lower Upper
43 100
58 28.8 27.6 82.7



#60
Dibromochloromethane
Concen: 16.327 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX008086.D
Acq: 14 Mar 2019 22:53

Tgt Ion: 129 Resp: 53016
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.8#





#62

4-Bromofluorobenzene

Concen: 51.394 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008086.D

Acq: 14 Mar 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW10S-M20W2-030519

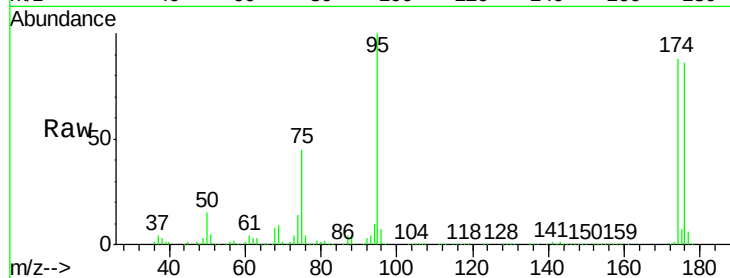
Tot Ion: 95 Resp: 214476

Ion Ratio Lower Upper

95 100

174 94.9 0.0 182.8

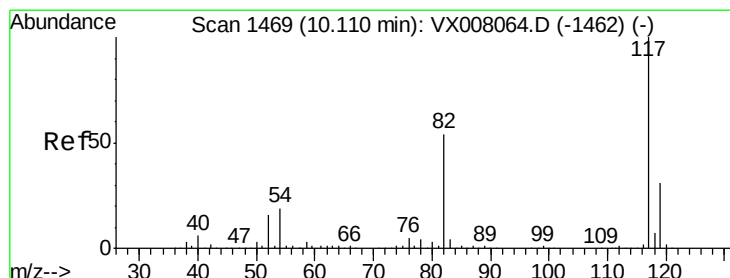
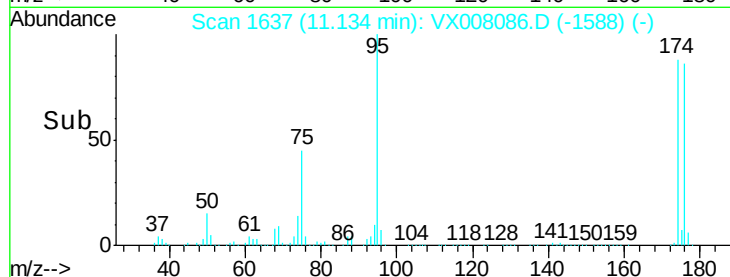
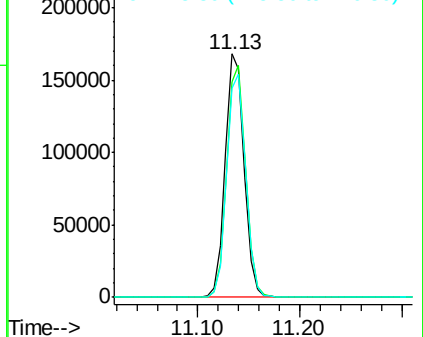
176 92.4 0.0 178.0



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: VX008086.D

Acq: 14 Mar 2019 22:53

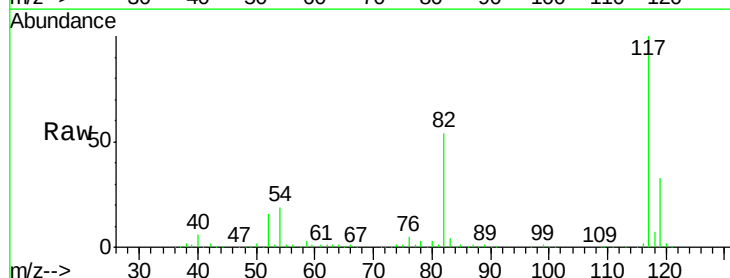
Tgt Ion: 117 Resp: 454910

Ion Ratio Lower Upper

117 100

82 54.4 44.3 66.5

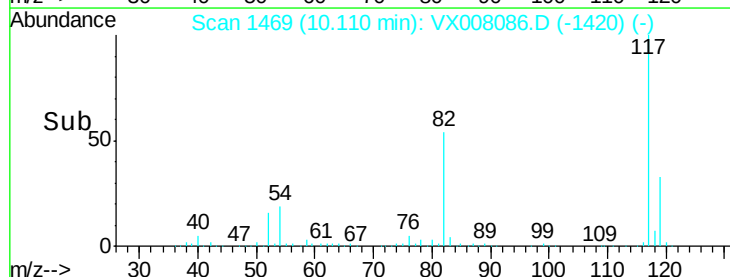
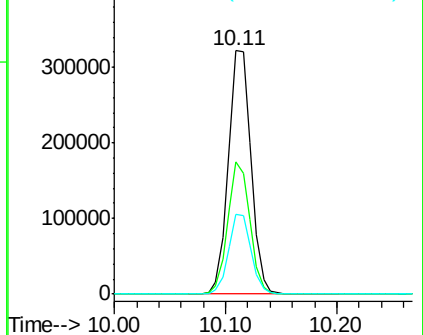
119 32.7 25.3 37.9

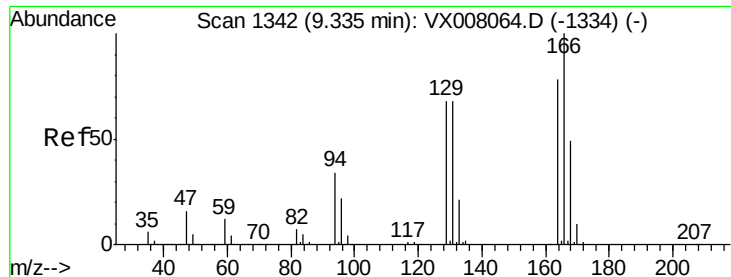


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

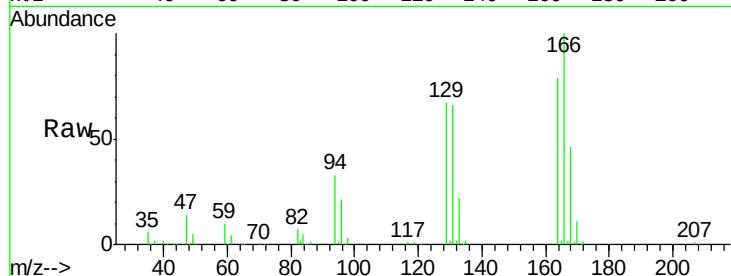




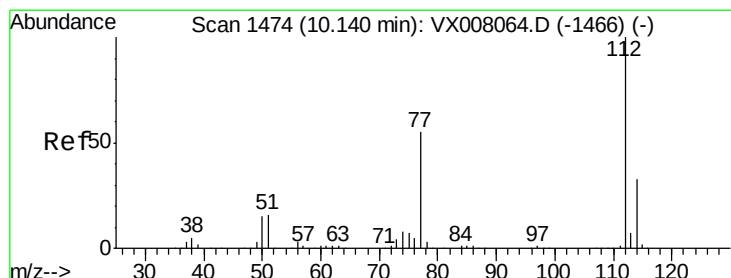
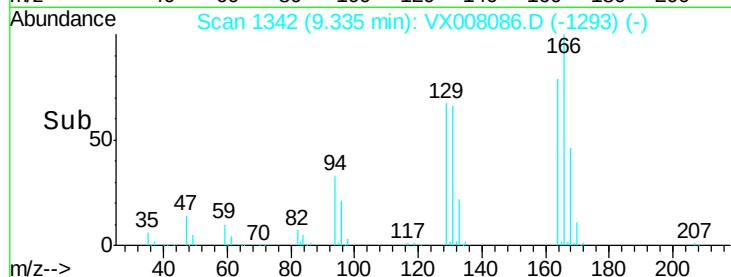
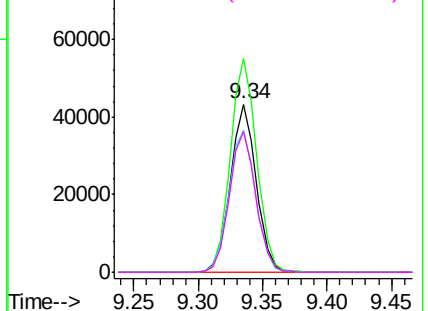
#64
Tetrachloroethene
Concen: 16.471 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008086.D
Acq: 14 Mar 2019 22:53

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

Tot Ion:164 Resp: 60709
Ion Ratio Lower Upper
164 100
166 127.3 103.4 155.0
129 84.7 72.2 108.4
131 83.8 69.4 104.2

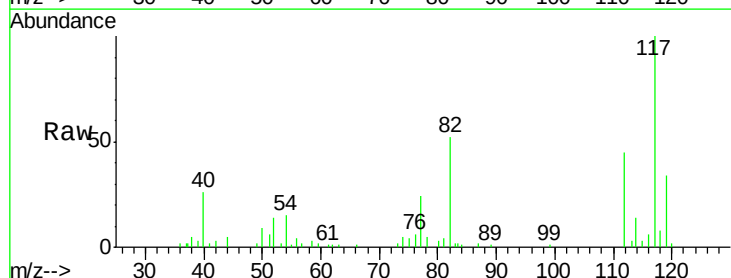


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

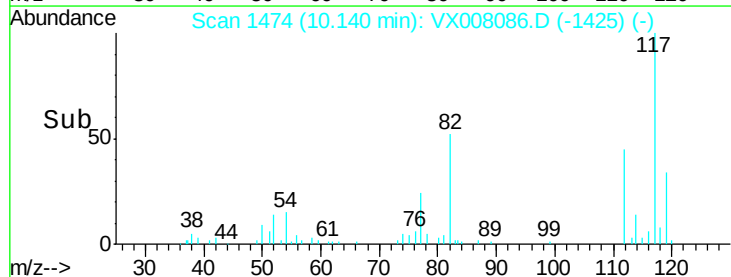
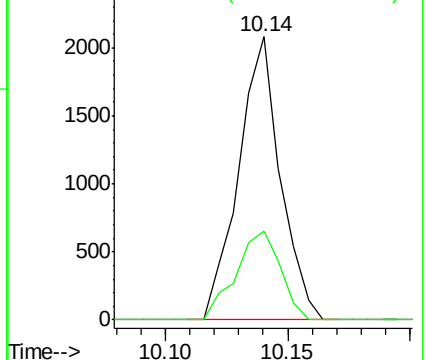


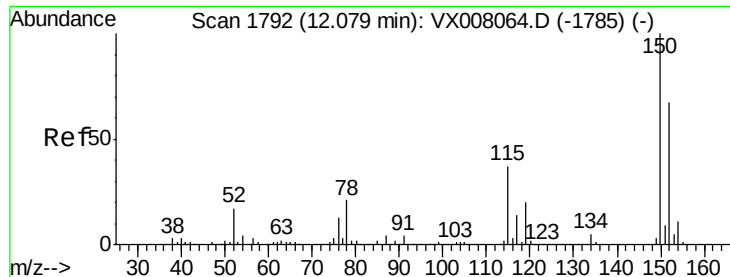
#65
Chlorobenzene
Concen: 0.273 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX008086.D
Acq: 14 Mar 2019 22:53

Tgt Ion:112 Resp: 2468
Ion Ratio Lower Upper
112 100
114 31.6 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: VX008086.D

Acq: 14 Mar 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW10S-M20W2-030519

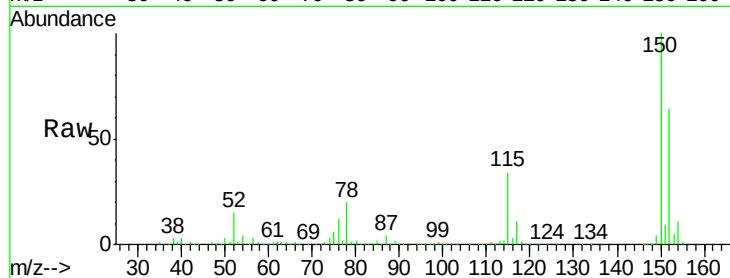
Tot Ion:152 Resp: 225735

Ion Ratio Lower Upper

152 100

115 54.6 38.6 115.7

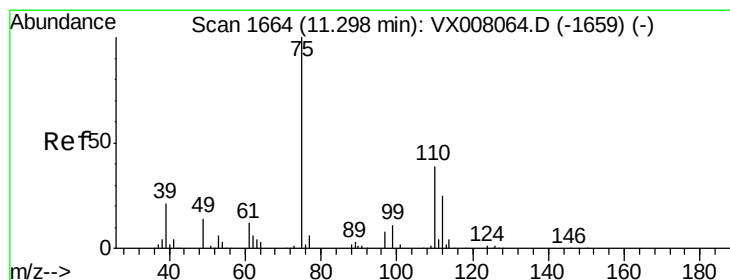
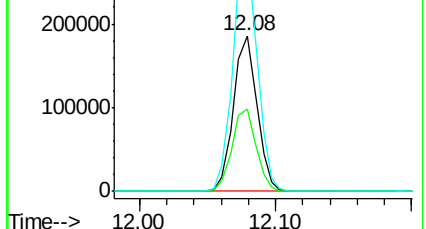
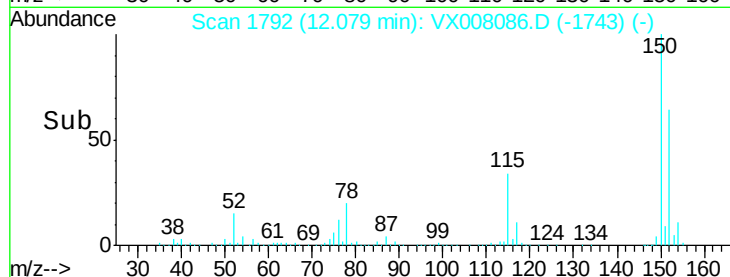
150 157.3 0.0 348.4



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: 24.384 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008086.D

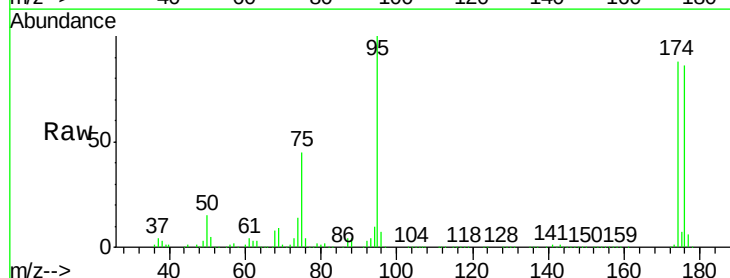
Acq: 14 Mar 2019 22:53

Tgt Ion: 75 Resp: 95593

Ion Ratio Lower Upper

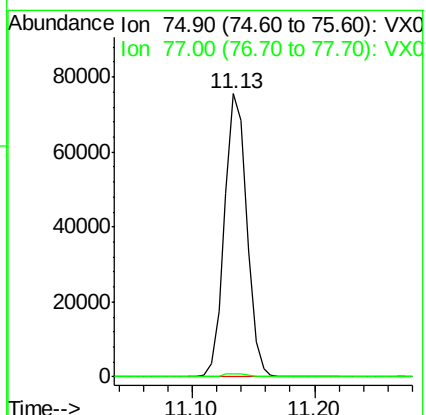
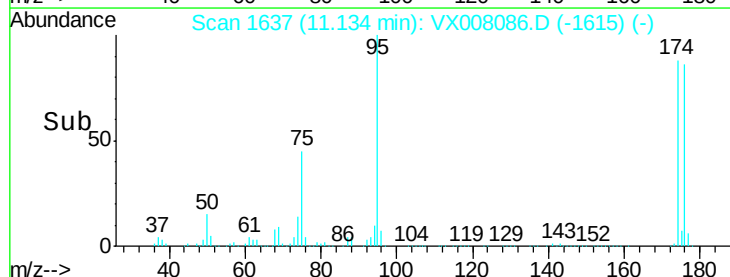
75 100

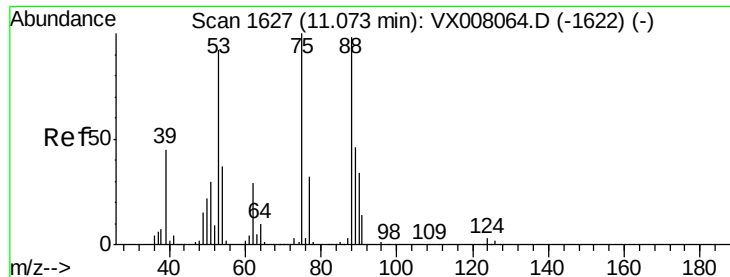
77 1.3 18.9 56.7#



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: 69.387 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008086.D

Acq: 14 Mar 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW10S-M20W2-030519

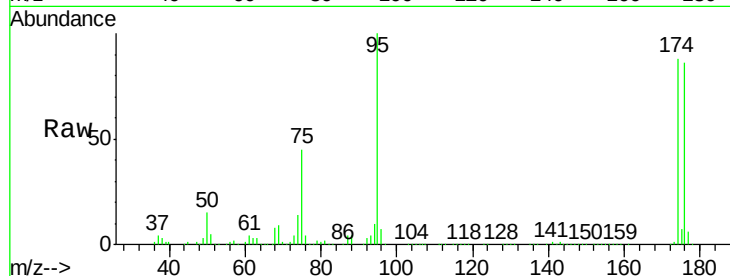
Tot Ion: 75 Resp: 95593

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

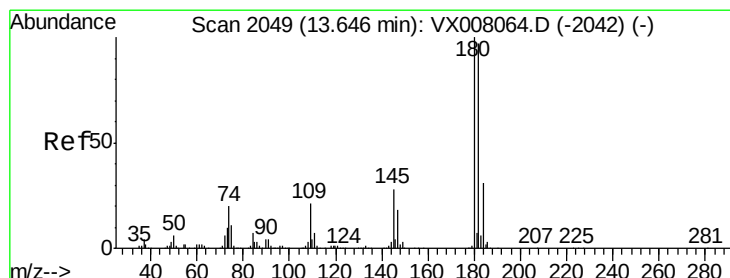
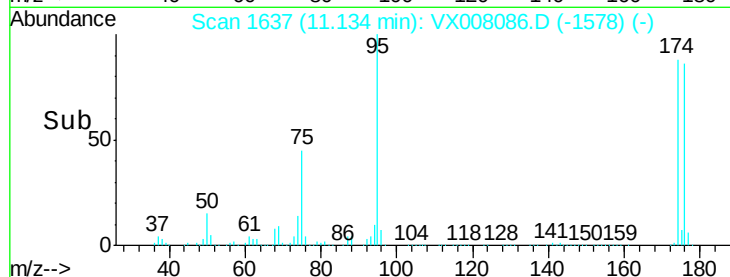
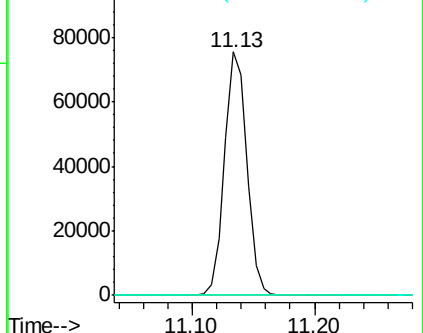
89 0.0 36.3 54.5#



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



#93

1,2,4-Trichlorobenzene

Concen: 0.397 ug/l

RT: 13.64 min Scan# 2048

Delta R.T. -0.01 min

Lab File: VX008086.D

Acq: 14 Mar 2019 22:53

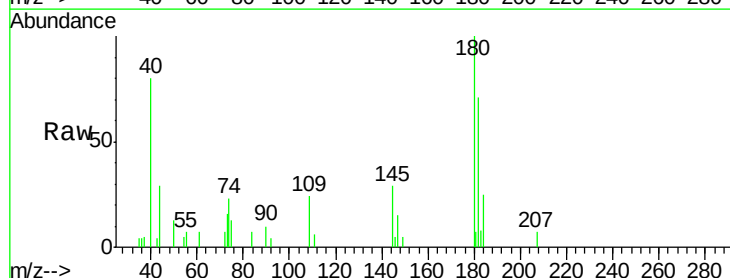
Tgt Ion: 180 Resp: 1961

Ion Ratio Lower Upper

180 100

182 91.9 47.9 143.7

145 26.5 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

