

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031519\
 Data File : VX008114.D
 Acq On : 15 Mar 2019 19:03
 Operator : JC/SP
 Sample : K1829-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-MW16-001-M20W2-030419

Quant Time: Mar 16 01:08:32 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	262148	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	393553	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	374977	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	186389	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	131534	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
35) Dibromofluoromethane	5.51	113	127478	51.08	ug/l	0.00
Spiked Amount			Recovery	=	102.16%	
50) Toluene-d8	8.71	98	468371	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
62) 4-Bromofluorobenzene	11.13	95	172996	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	

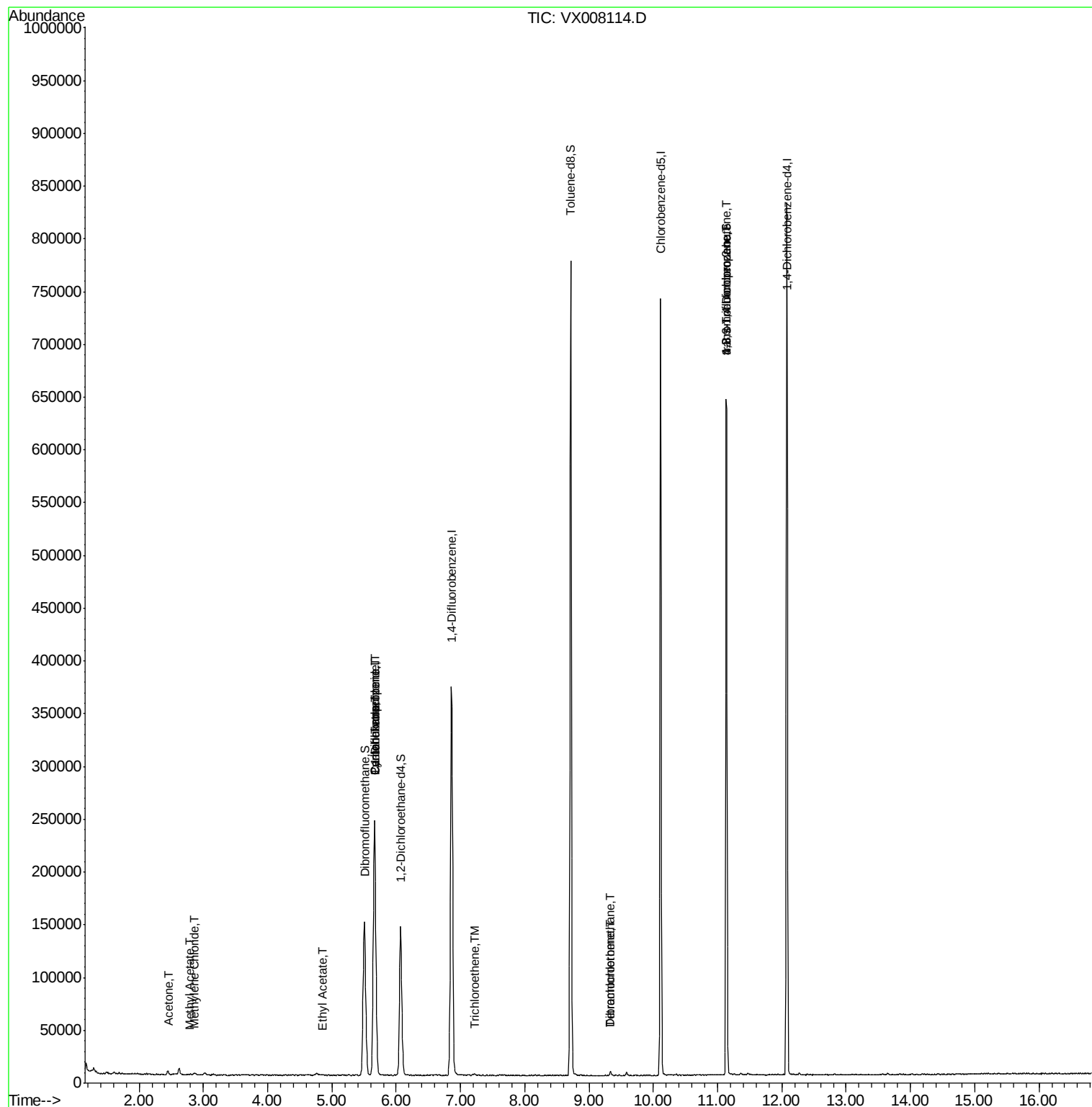
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	452	Below Cal		91
6) Chloroethane	1.74	64	260	Below Cal	#	43
16) Acetone	2.45	43	3625	2.904	ug/l	94
18) Methyl Acetate	2.79	43	820	0.304	ug/l #	82
20) Methylene Chloride	2.87	84	685	0.307	ug/l	88
31) Cyclohexane	5.67	56	3487	0.922	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15015	4.638	ug/l #	49
37) Ethyl Acetate	4.85	43	1247	0.358	ug/l #	92
38) Carbon Tetrachloride	5.67	117	20705	6.644	ug/l #	17
44) Trichloroethene	7.22	130	708	0.247	ug/l	85
60) Dibromochloromethane	9.33	129	719	0.272	ug/l #	11
64) Tetrachloroethene	9.33	164	739	0.243	ug/l #	86
76) 1,2,3-Trichloropropane	11.13	75	77858	24.052	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	77858	68.444	ug/l #	11

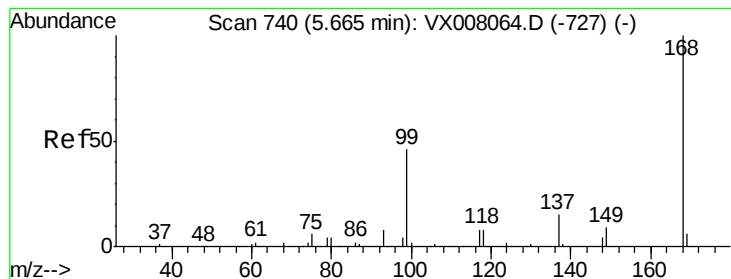
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008114.D

Acq: 15 Mar 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

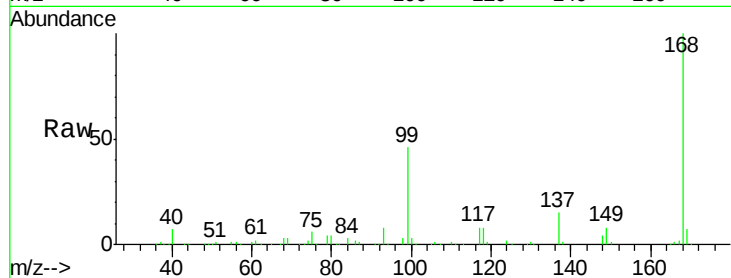
CPA-MW16-001-M20W2-030419

Tot Ion:168 Resp: 262148

Ion Ratio Lower Upper

168 100

99 46.3 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

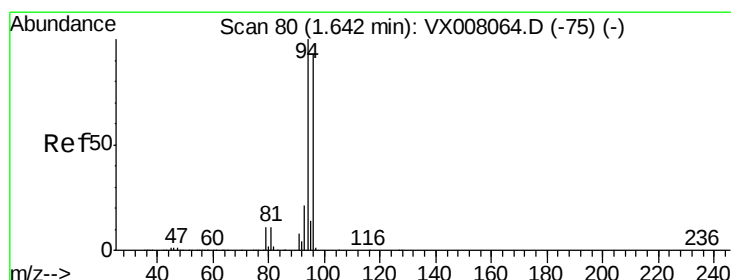
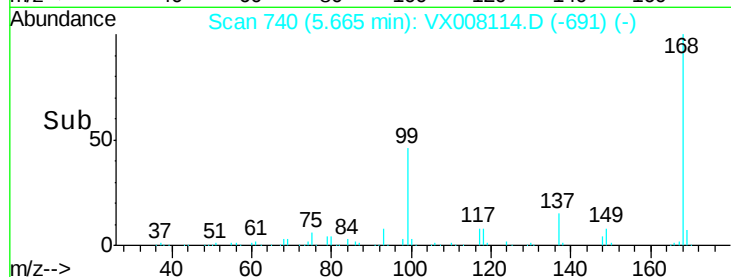
40000

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: VX008114.D

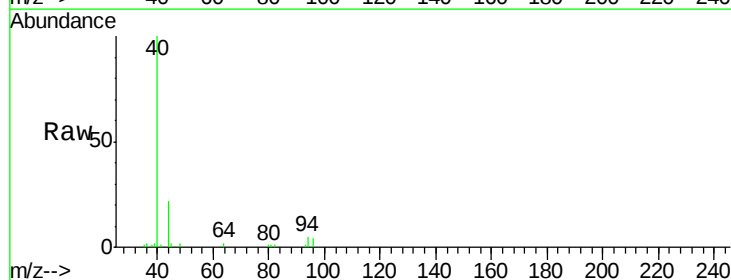
Acq: 15 Mar 2019 19:03

Tgt Ion: 94 Resp: 452

Ion Ratio Lower Upper

94 100

96 86.0 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

300

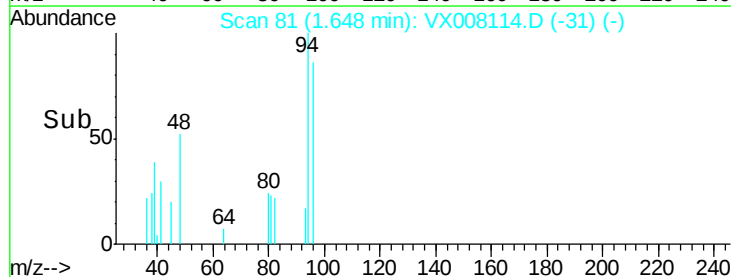
200

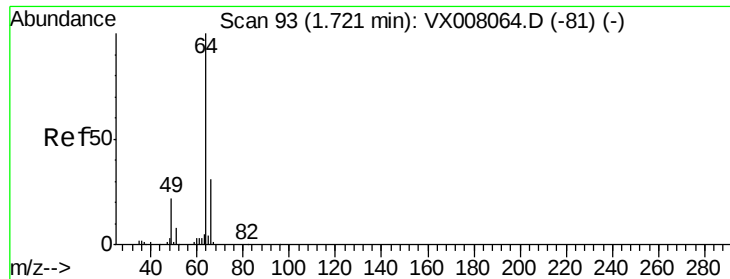
100

0

Time-->

1.60 1.62 1.64 1.66 1.68





#6

Chloroethane

Concen: Below Cal

RT: 1.74 min Scan# 96

Delta R.T. 0.02 min

Lab File: VX008114.D

Acq: 15 Mar 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

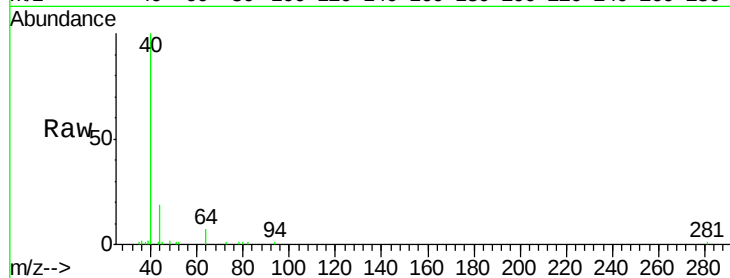
CPA-MW16-001-M20W2-030419

Tot Ion: 64 Resp: 260

Ion Ratio Lower Upper

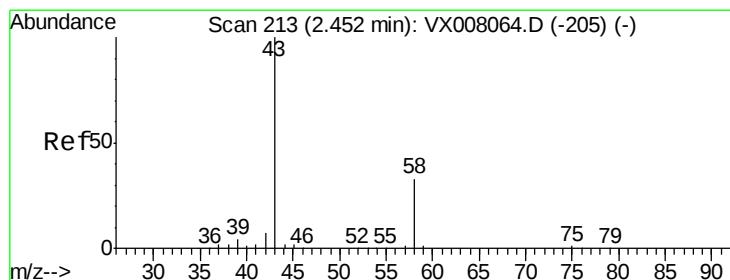
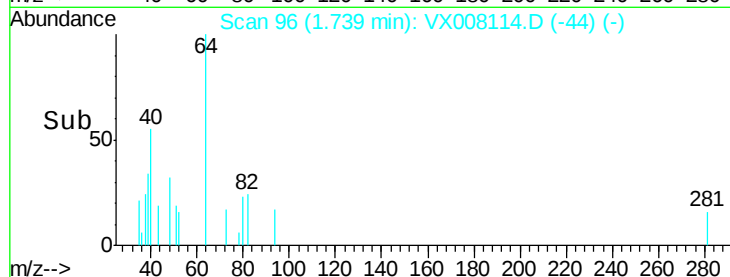
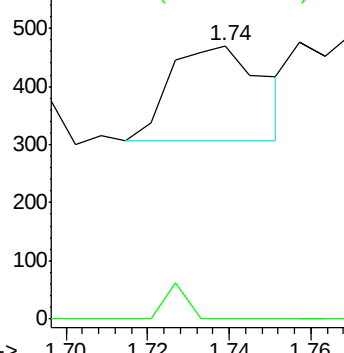
64 100

66 0.0 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#16

Acetone

Concen: 2.904 ug/l

RT: 2.45 min Scan# 213

Delta R.T. -0.00 min

Lab File: VX008114.D

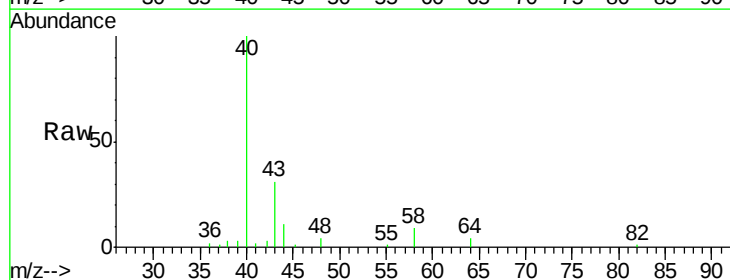
Acq: 15 Mar 2019 19:03

Tgt Ion: 43 Resp: 3625

Ion Ratio Lower Upper

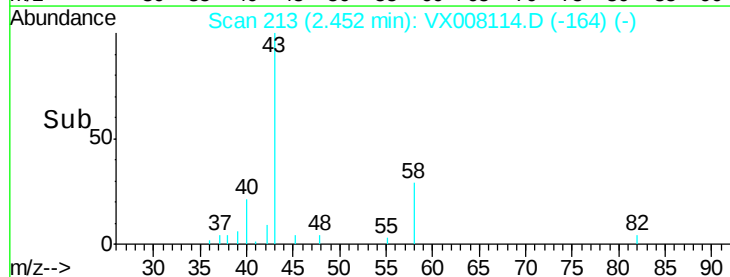
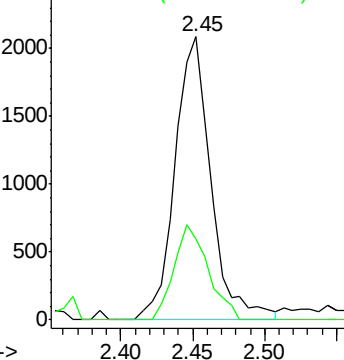
43 100

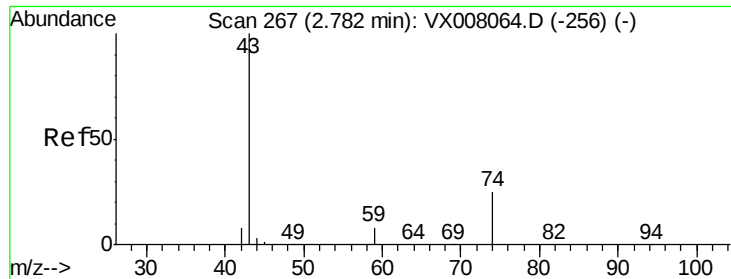
58 28.5 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

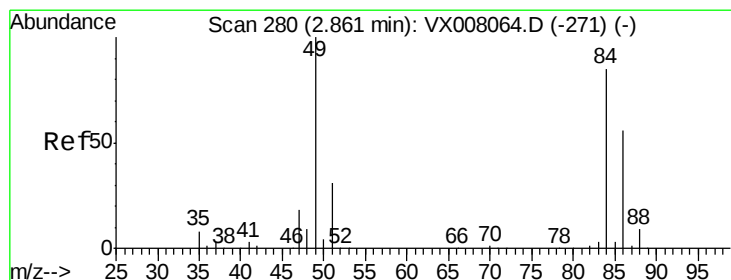
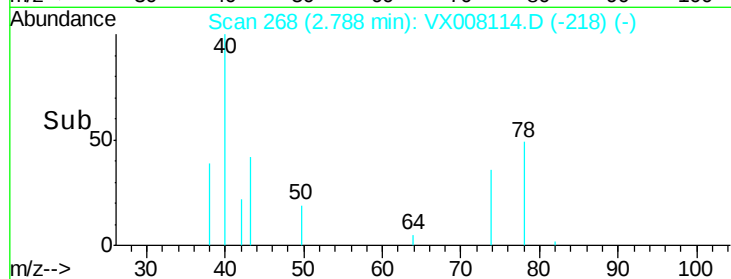
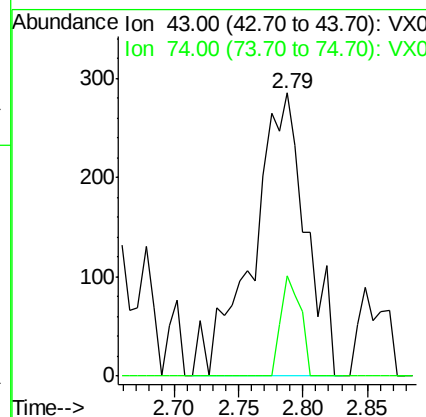
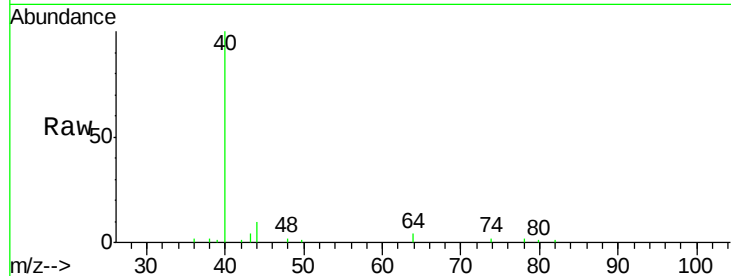




#18
Methyl Acetate
Concen: 0.304 ug/l
RT: 2.79 min Scan# 268
Delta R.T. 0.01 min
Lab File: VX008114.D
Acq: 15 Mar 2019 19:03

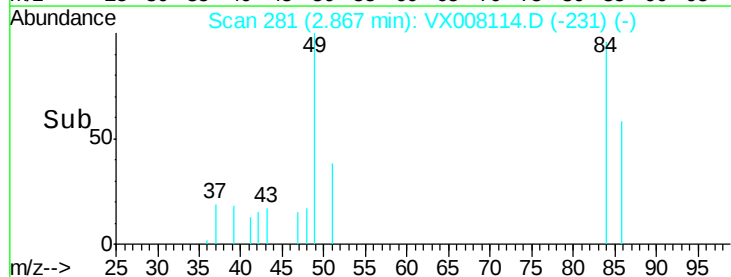
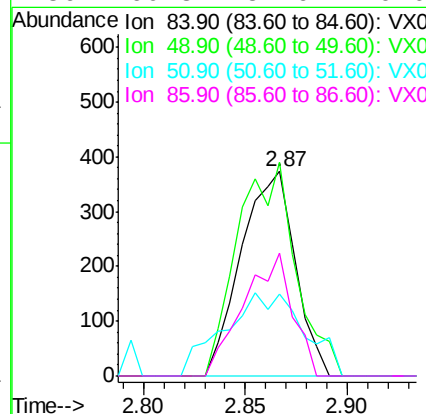
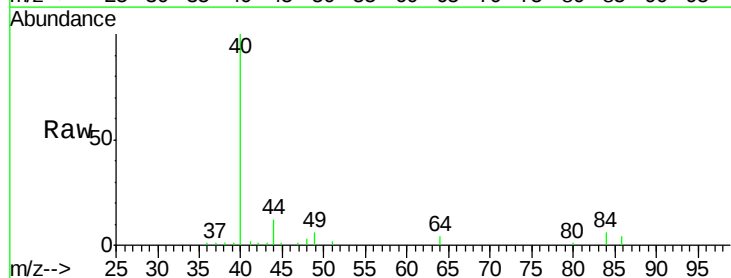
Instrument :
MSVOA_X
ClientSampleId :
CPA-MW16-001-M20W2-030419

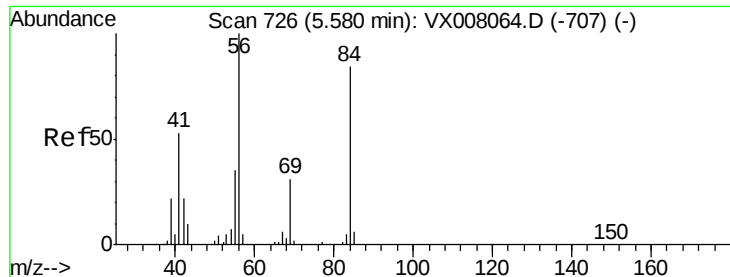
Tot Ion: 43 Resp: 820
Ion Ratio Lower Upper
43 100
74 13.4 17.8 26.6#



#20
Methylene Chloride
Concen: 0.307 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX008114.D
Acq: 15 Mar 2019 19:03

Tgt Ion: 84 Resp: 685
Ion Ratio Lower Upper
84 100
49 104.6 99.3 148.9
51 40.2 31.3 46.9
86 60.3 52.6 79.0

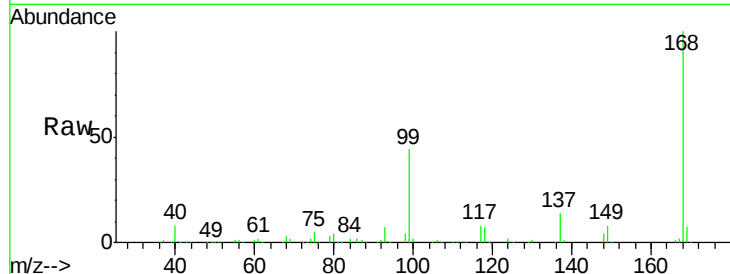




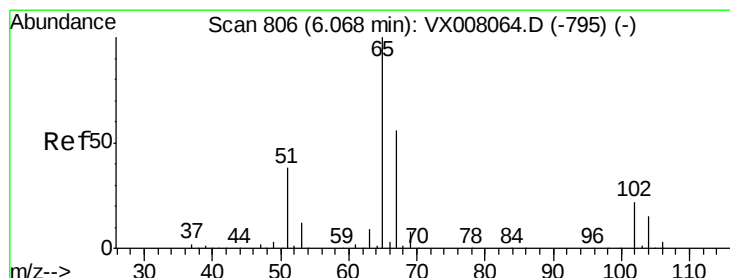
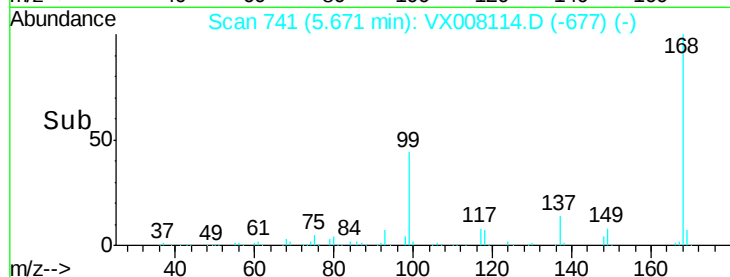
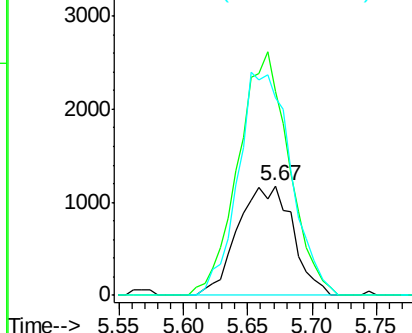
#31
Cyclohexane
Concen: 0.922 ug/l
RT: 5.67 min Scan# 741
Delta R.T. 0.09 min
Lab File: VX008114.D
Acq: 15 Mar 2019 19:03

Instrument :
MSVOA_X
ClientSampleId :
CPA-MW16-001-M20W2-030419

Tot Ion: 56 Resp: 3487
Ion Ratio Lower Upper
56 100
69 185.9 24.0 36.0#
84 180.7 65.3 97.9#

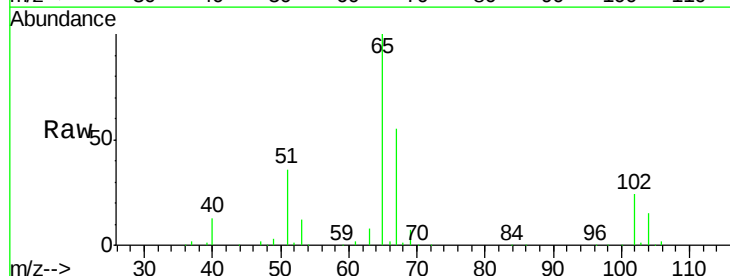


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

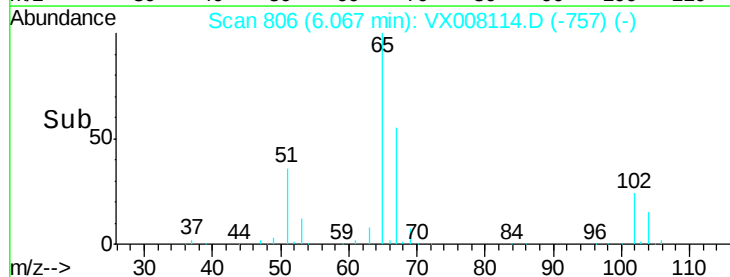
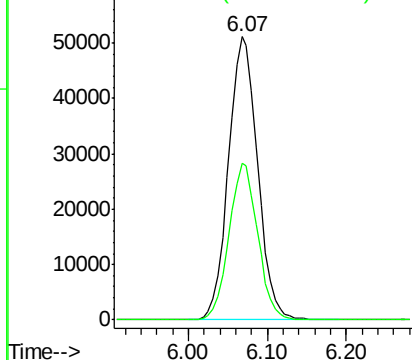


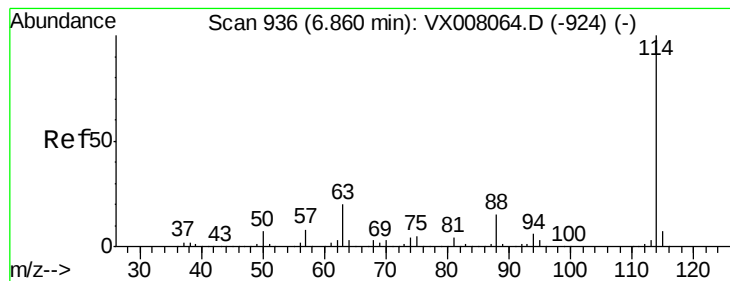
#33
1,2-Dichloroethane-d4
Concen: 49.741 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX008114.D
Acq: 15 Mar 2019 19:03

Tgt Ion: 65 Resp: 131534
Ion Ratio Lower Upper
65 100
67 54.4 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: VX008114.D

Acq: 15 Mar 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

CPA-MW16-001-M20W2-030419

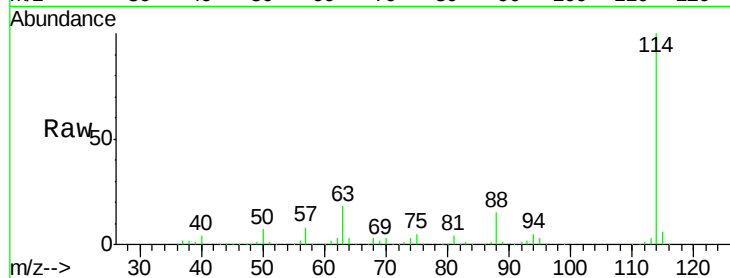
Tot Ion:114 Resp: 393553

Ion Ratio Lower Upper

114 100

63 18.2 0.0 39.8

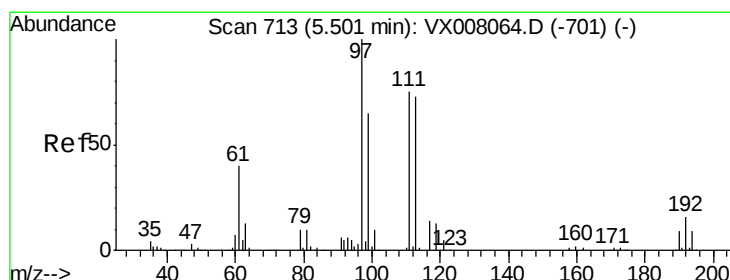
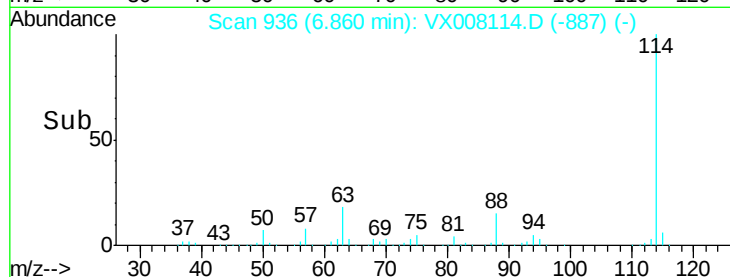
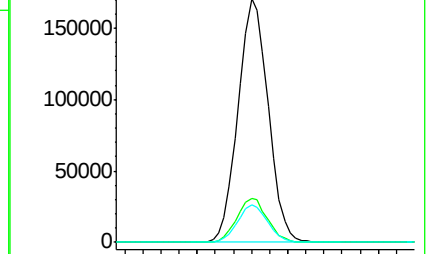
88 15.3 0.0 31.4



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: 51.079 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX008114.D

Acq: 15 Mar 2019 19:03

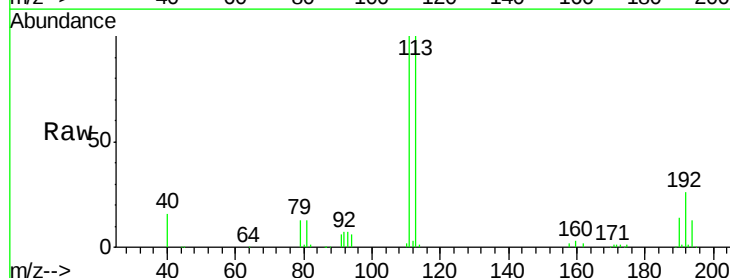
Tgt Ion:113 Resp: 127478

Ion Ratio Lower Upper

113 100

111 101.4 81.4 122.0

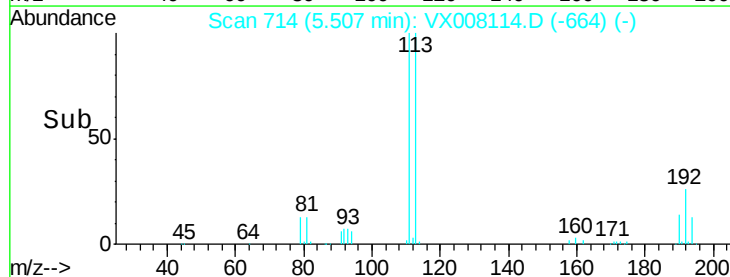
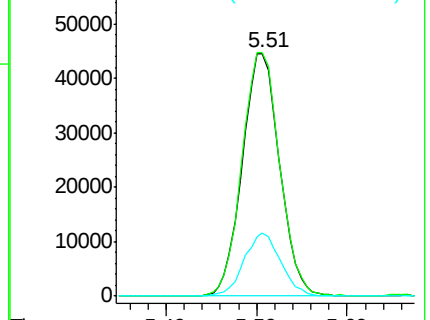
192 25.4 19.4 29.0

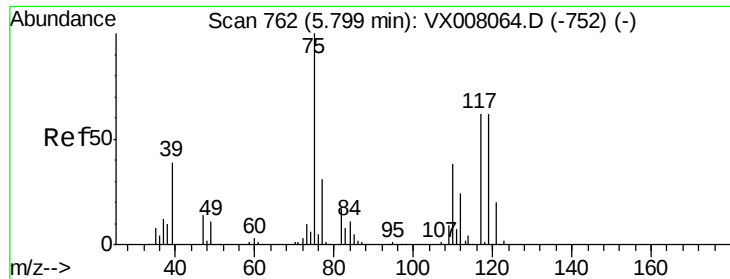


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

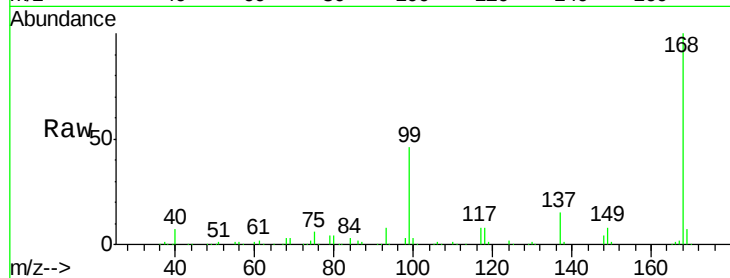




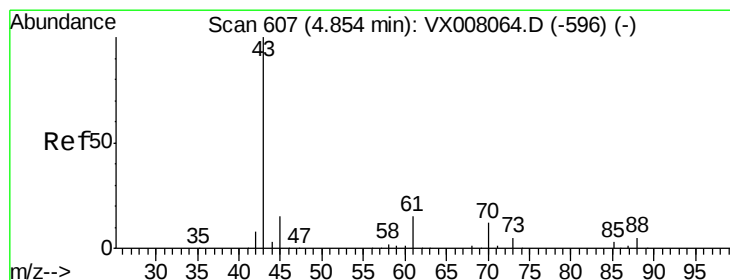
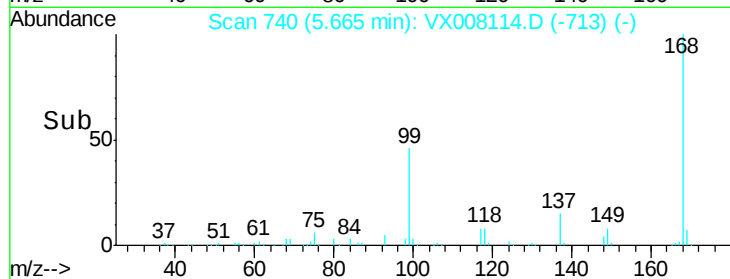
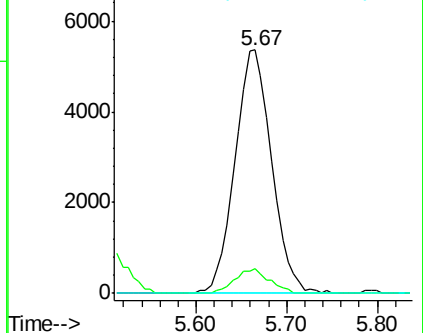
#36
 1,1-Dichloropropene
 Concen: 4.638 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX008114.D
 Acq: 15 Mar 2019 19:03

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Tot Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.4	55.0#
77	0.0	25.0	37.4#

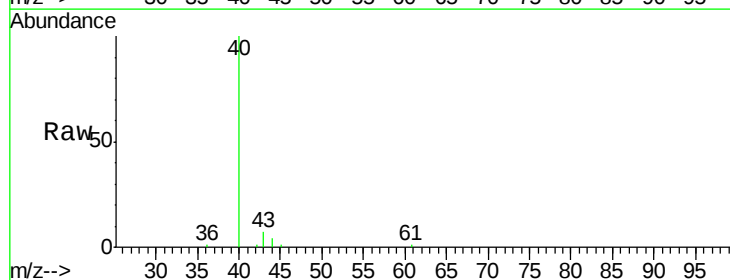


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

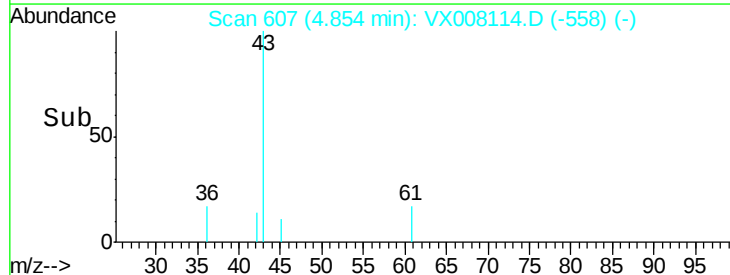
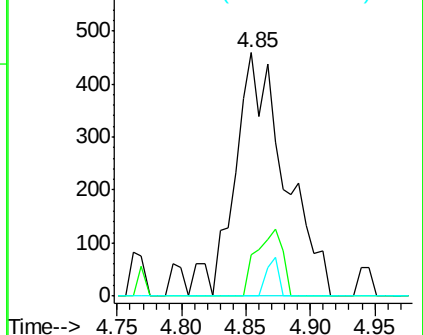


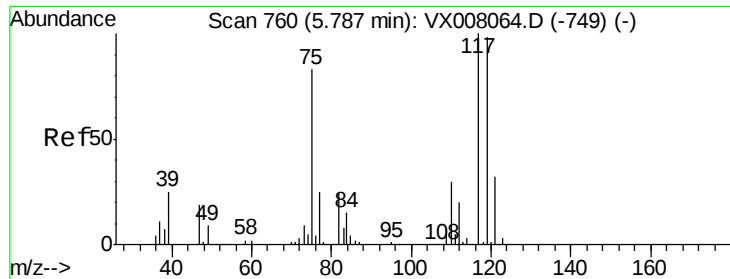
#37
 Ethyl Acetate
 Concen: 0.358 ug/l
 RT: 4.85 min Scan# 607
 Delta R.T. -0.00 min
 Lab File: VX008114.D
 Acq: 15 Mar 2019 19:03

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.3	16.9
70	3.7	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

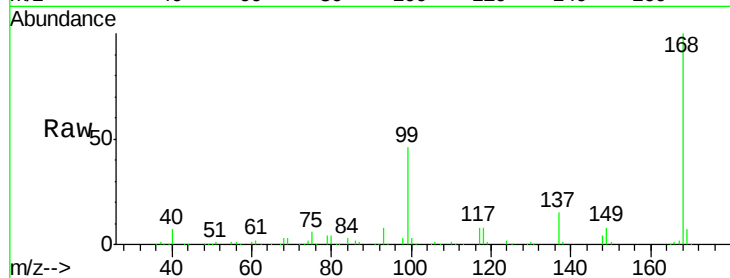




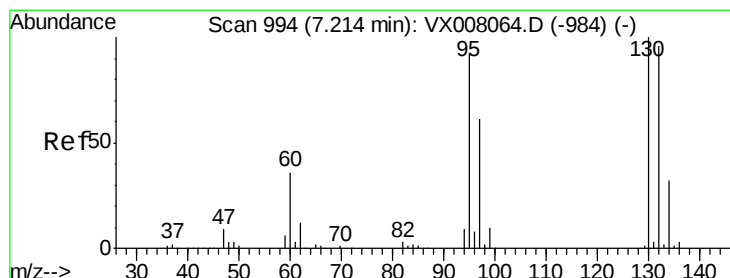
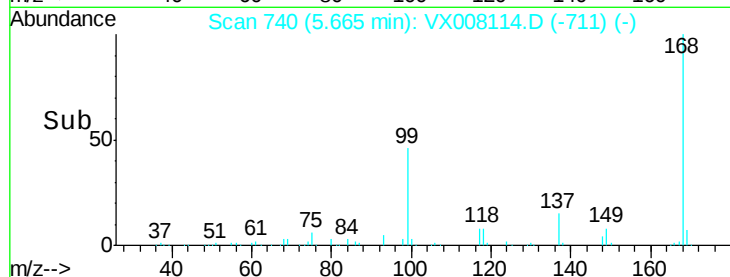
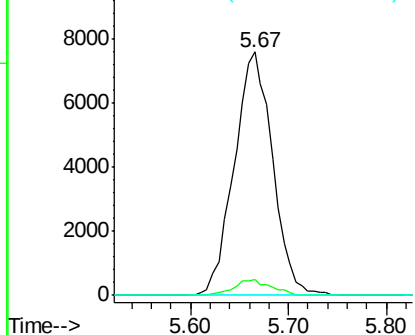
#38
Carbon Tetrachloride
Concen: 6.644 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX008114.D
Acq: 15 Mar 2019 19:03

Instrument :
MSVOA_X
ClientSampleId :
CPA-MW16-001-M20W2-030419

Tot Ion:117 Resp: 20705
Ion Ratio Lower Upper
117 100
119 6.5 76.2 114.2#
121 0.0 24.6 36.8#

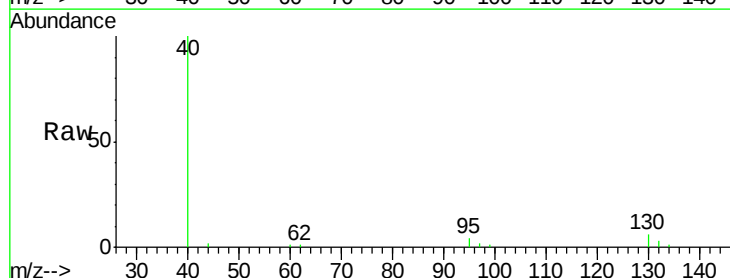


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

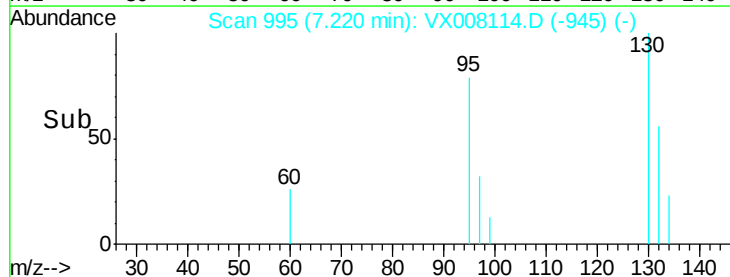
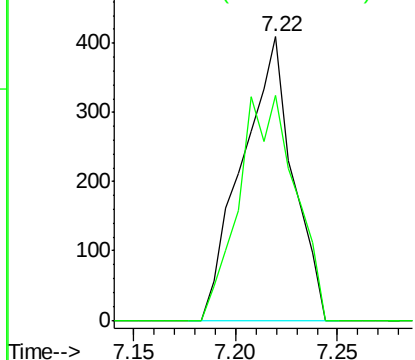


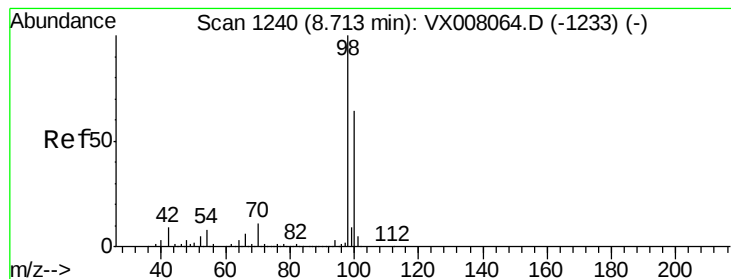
#44
Trichloroethene
Concen: 0.247 ug/l
RT: 7.22 min Scan# 995
Delta R.T. 0.01 min
Lab File: VX008114.D
Acq: 15 Mar 2019 19:03

Tgt Ion:130 Resp: 708
Ion Ratio Lower Upper
130 100
95 79.2 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 49.344 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008114.D

Acq: 15 Mar 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

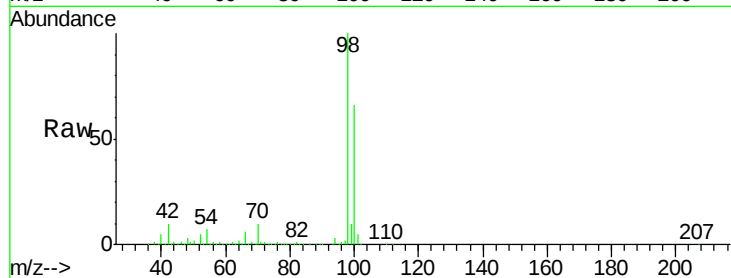
CPA-MW16-001-M20W2-030419

Tot Ion: 98 Resp: 468371

Ion Ratio Lower Upper

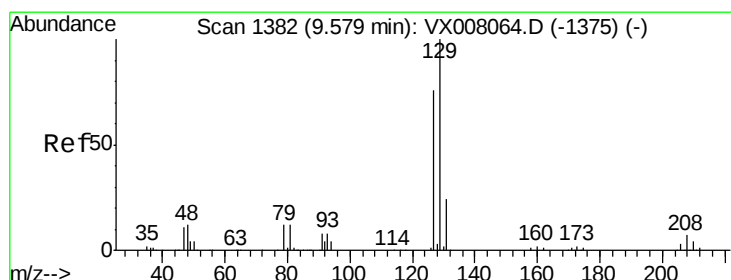
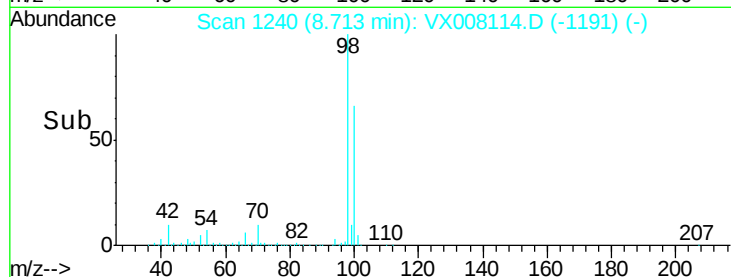
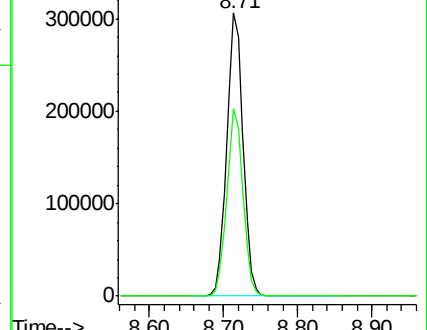
98 100

100 65.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX008114.D (-1191) (-)

Ion 100.00 (99.70 to 100.70): VX008114.D (-1191) (-)



#60

Dibromochloromethane

Concen: 0.272 ug/l

RT: 9.33 min Scan# 1341

Delta R.T. -0.25 min

Lab File: VX008114.D

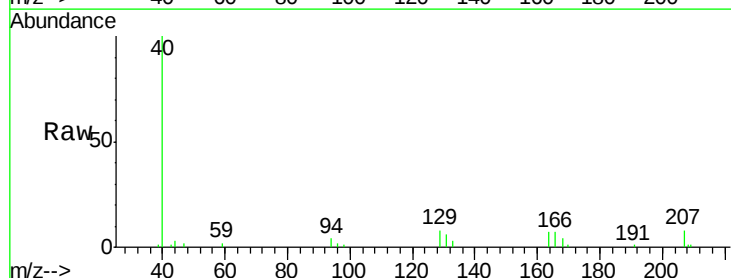
Acq: 15 Mar 2019 19:03

Tgt Ion: 129 Resp: 719

Ion Ratio Lower Upper

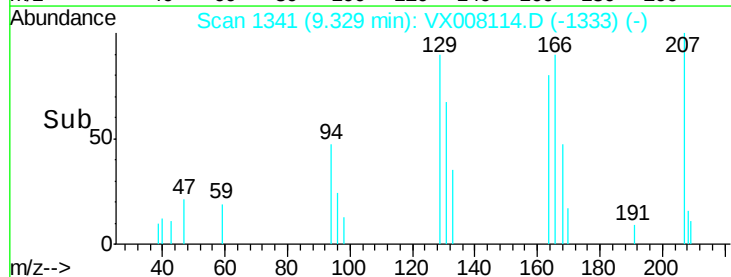
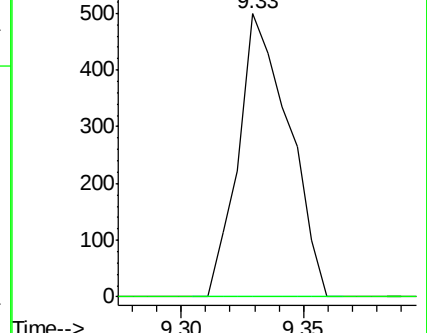
129 100

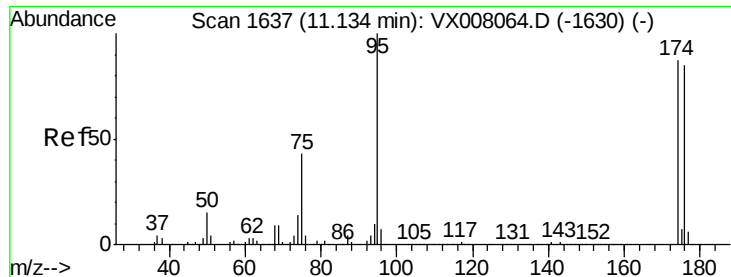
127 0.0 38.3 114.8#



Abundance Ion 128.80 (128.50 to 129.50): VX008114.D (-1333) (-)

Ion 126.80 (126.50 to 127.50): VX008114.D (-1333) (-)

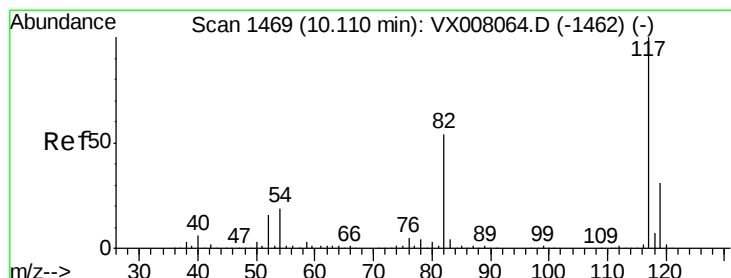
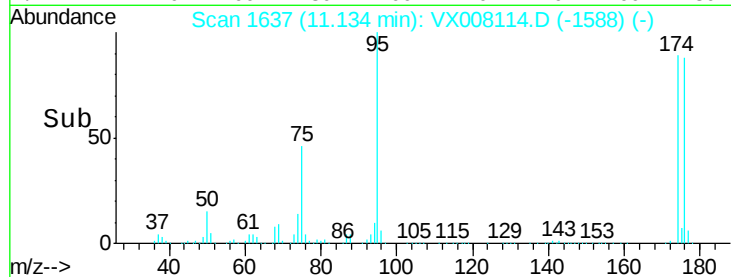
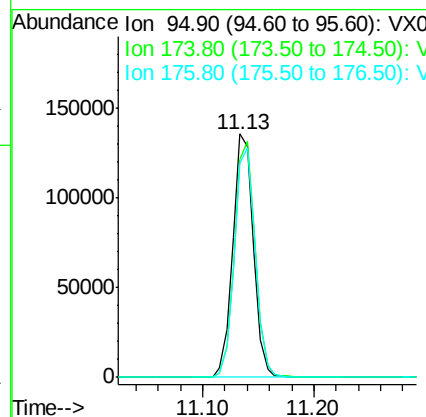
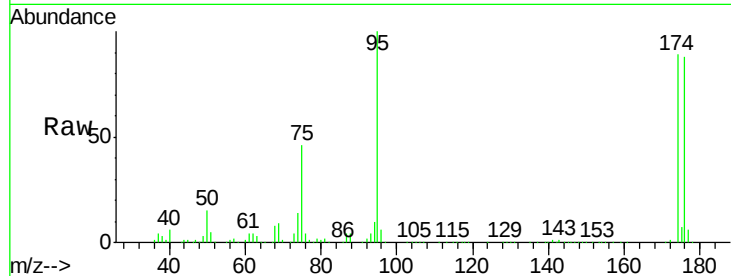




#62
4-Bromofluorobenzene
Concen: 50.876 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008114.D
Acq: 15 Mar 2019 19:03

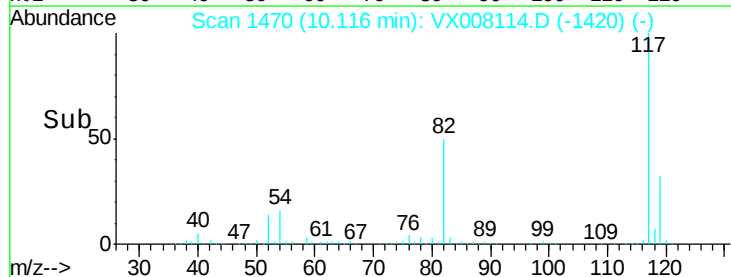
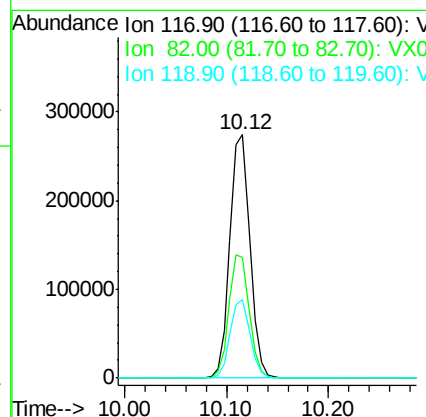
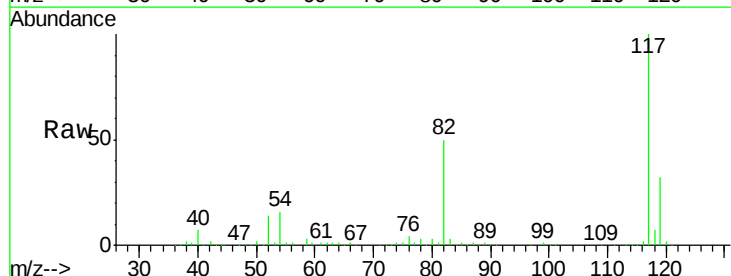
Instrument :
MSVOA_X
ClientSampleId :
CPA-MW16-001-M20W2-030419

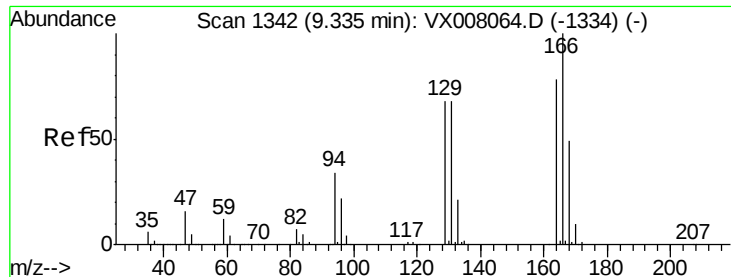
Tot Ion: 95 Resp: 172996
Ion Ratio Lower Upper
95 100
174 97.3 0.0 182.8
176 94.9 0.0 178.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008114.D
Acq: 15 Mar 2019 19:03

Tgt Ion: 117 Resp: 374977
Ion Ratio Lower Upper
117 100
82 49.6 44.3 66.5
119 32.0 25.3 37.9





#64

Tetrachloroethene

Concen: 0.243 ug/l

RT: 9.33 min Scan# 1341

Delta R.T. -0.01 min

Lab File: VX008114.D

Acq: 15 Mar 2019 19:03

Instrument :

MSVOA_X

ClientSampleId :

CPA-MW16-001-M20W2-030419

Tot Ion:164 Resp: 739

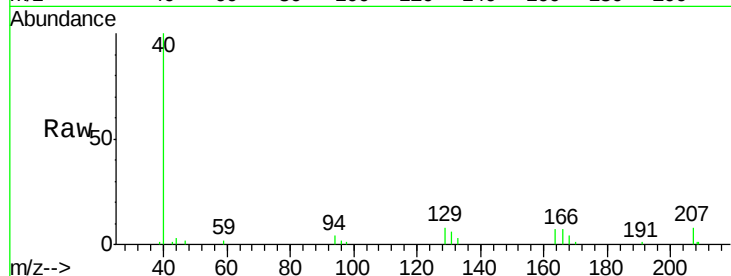
Ion Ratio Lower Upper

164 100

166 111.7 103.4 155.0

129 112.6 72.2 108.4#

131 83.7 69.4 104.2



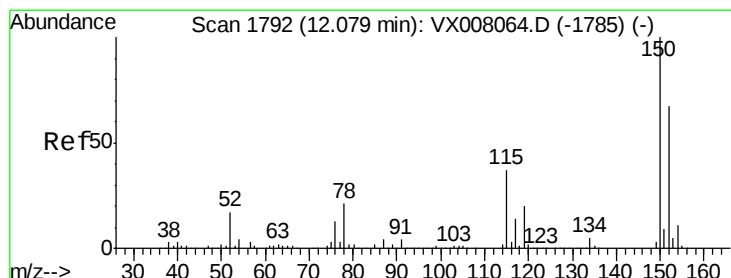
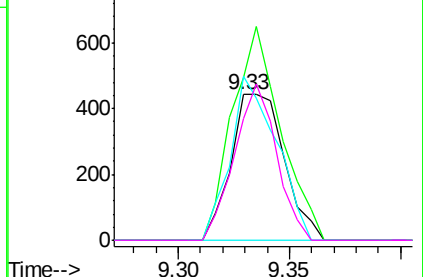
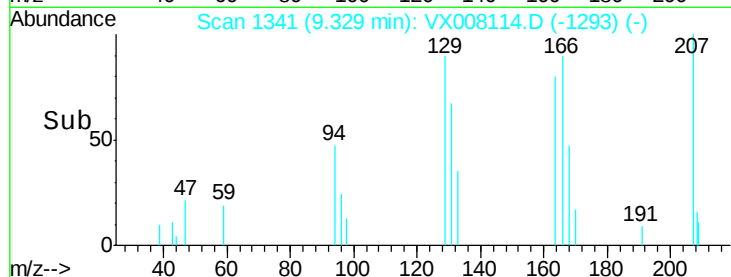
Abundance Ion 163.80 (163.50 to 164.50): V

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

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008114.D

Acq: 15 Mar 2019 19:03

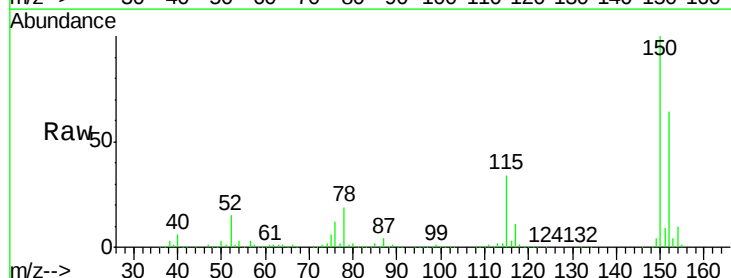
Tgt Ion:152 Resp: 186389

Ion Ratio Lower Upper

152 100

115 53.8 38.6 115.7

150 156.8 0.0 348.4

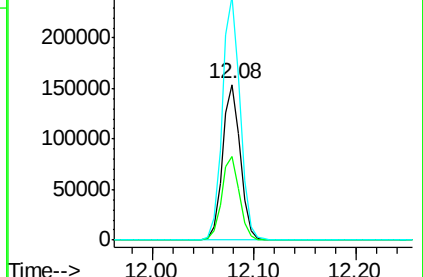
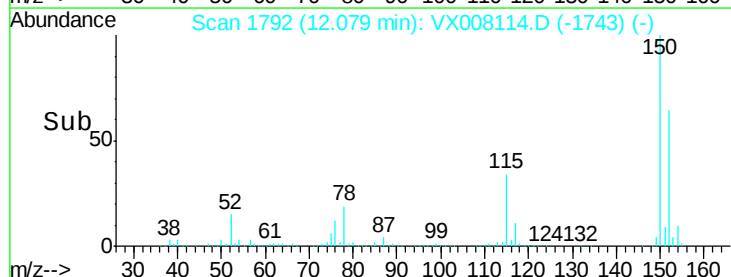


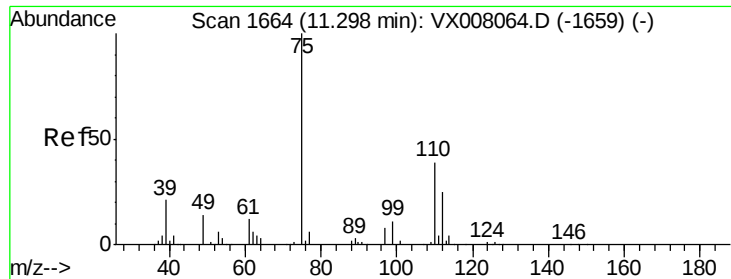
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

Time-->

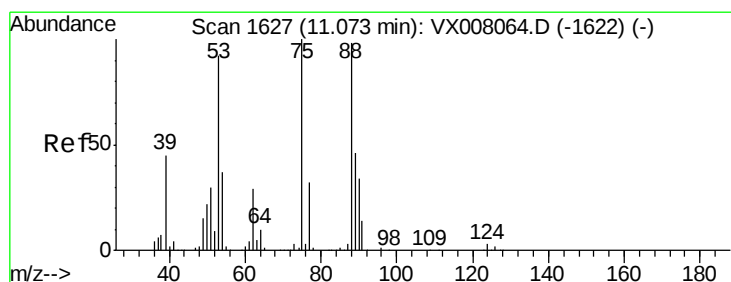
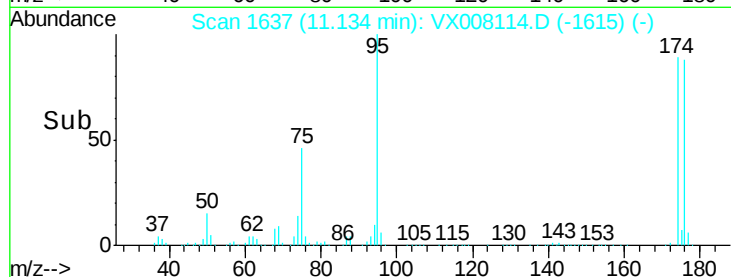
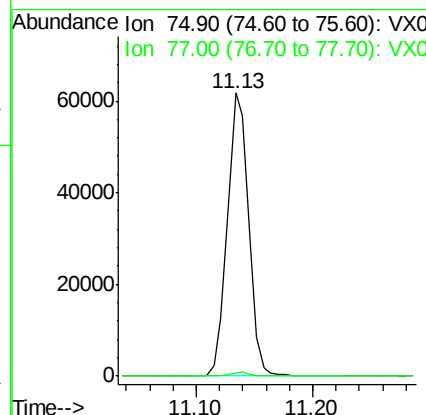
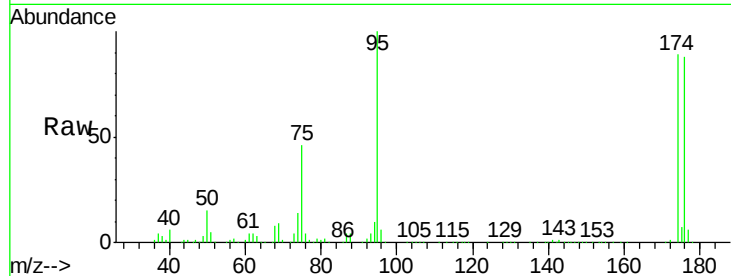




#76
 1,2,3-Trichloropropane
 Concen: 24.052 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008114.D
 Acq: 15 Mar 2019 19:03

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-MW16-001-M20W2-030419

Tot Ion: 75 Resp: 77858
 Ion Ratio Lower Upper
 75 100
 77 1.3 18.9 56.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.444 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008114.D
 Acq: 15 Mar 2019 19:03

Tgt Ion: 75 Resp: 77858
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.1 114.1#
 89 0.0 36.3 54.5#

