

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031419\
 Data File : VX008085.D
 Acq On : 14 Mar 2019 22:27
 Operator : JC/SP
 Sample : K1829-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW09D-M20W2-030519

Quant Time: Mar 15 04:29:16 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	305736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	471831	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	445497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	219893	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	154425	50.07	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.14%	
35) Dibromofluoromethane	5.50	113	150442	50.28	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.56%	
50) Toluene-d8	8.71	98	565411	49.69	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.38%	
62) 4-Bromofluorobenzene	11.13	95	208595	51.17	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.34%	

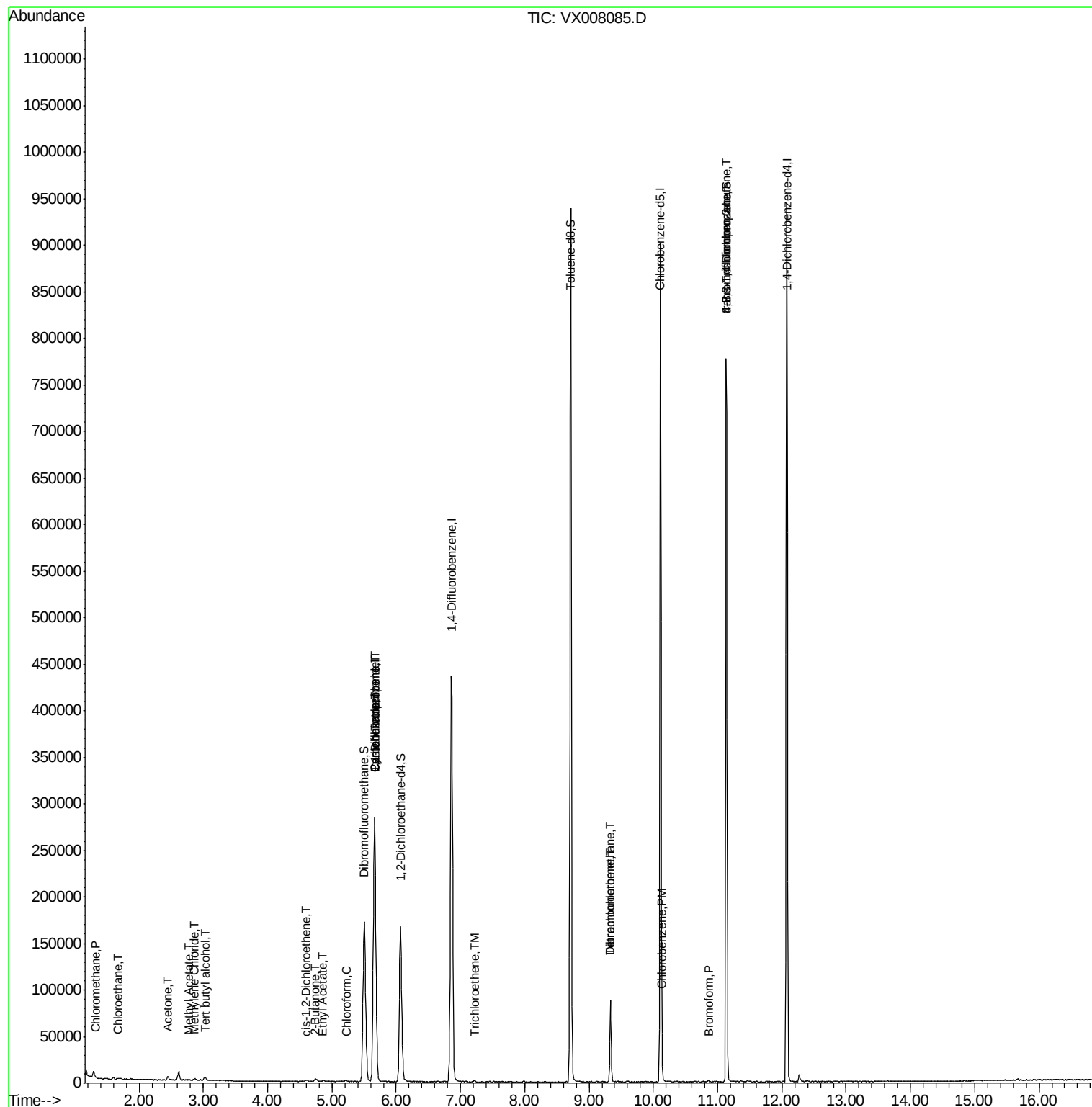
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	665	0.231	ug/l #	83
5) Bromomethane	1.65	94	302	Below Cal		85
6) Chloroethane	1.67	64	1810	0.538	ug/l #	65
11) Tert butyl alcohol	3.03	59	2705	4.540	ug/l #	73
16) Acetone	2.45	43	3874	2.661	ug/l	100
18) Methyl Acetate	2.78	43	680	0.216	ug/l #	90
20) Methylene Chloride	2.86	84	804	0.309	ug/l #	68
25) 2-Butanone	4.73	43	483	0.216	ug/l #	50
27) cis-1,2-Dichloroethene	4.59	96	907	0.304	ug/l	92
30) Chloroform	5.21	83	2087	0.445	ug/l #	79
31) Cyclohexane	5.67	56	4205	0.954	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	17837	4.595	ug/l #	49
37) Ethyl Acetate	4.86	43	2062	0.494	ug/l #	91
38) Carbon Tetrachloride	5.67	117	25284	6.767	ug/l #	16
44) Trichloroethene	7.22	130	741	0.216	ug/l	76
60) Dibromochloromethane	9.34	129	16701	5.265	ug/l #	11
64) Tetrachloroethene	9.34	164	18382	5.093	ug/l	96
65) Chlorobenzene	10.14	112	2000	0.226	ug/l #	86
71) Bromoform	10.86	173	717	0.276	ug/l #	95
76) 1,2,3-Trichloropropane	11.13	75	93563	24.500	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	93563	69.718	ug/l #	11

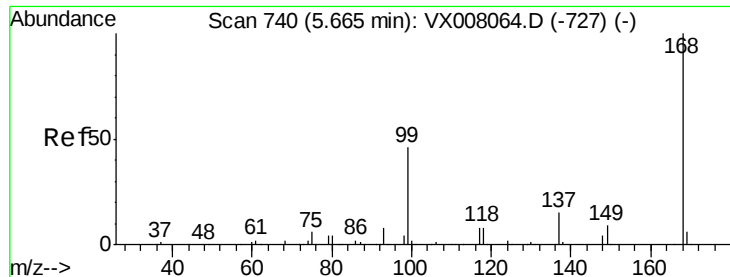
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 15 03:56:35 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008085.D

Acq: 14 Mar 2019 22:27

Instrument :

MSVOA_X

ClientSampleId :

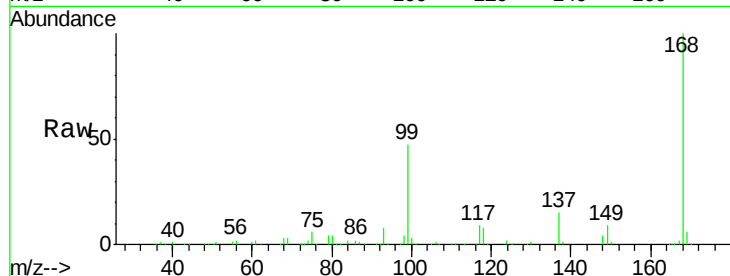
CPA-CPMW09D-M20W2-030519

Tot Ion:168 Resp: 305736

Ion Ratio Lower Upper

168 100

99 47.0 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

120000

100000

80000

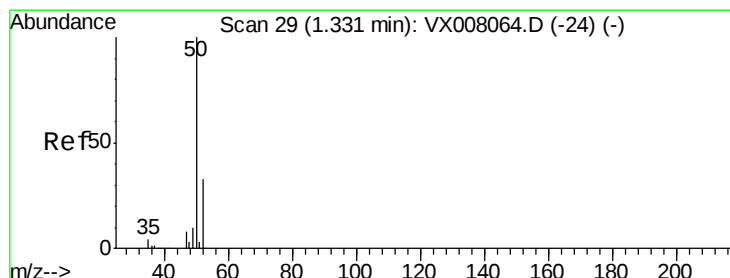
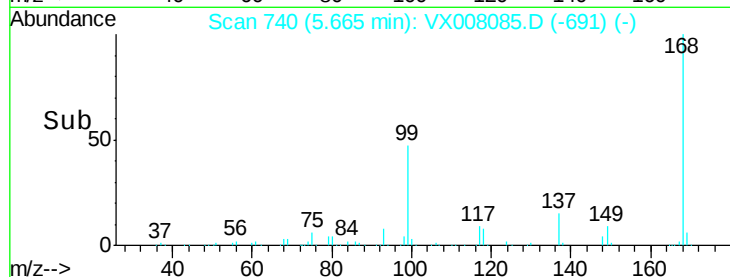
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.231 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX008085.D

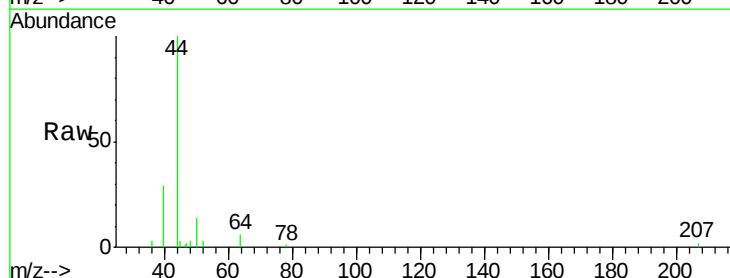
Acq: 14 Mar 2019 22:27

Tgt Ion: 50 Resp: 665

Ion Ratio Lower Upper

50 100

52 23.6 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

600

500

400

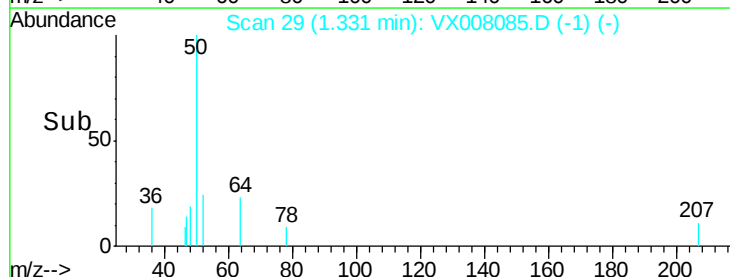
300

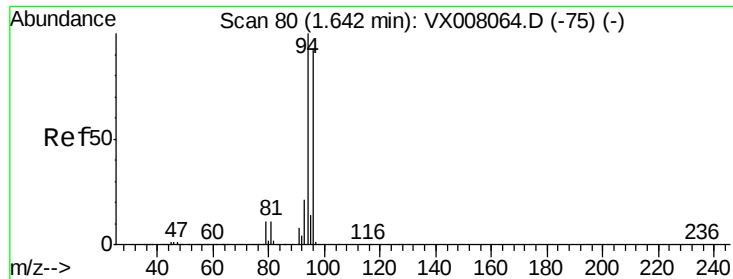
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX008085.D

Acq: 14 Mar 2019 22:27

Instrument :

MSVOA_X

ClientSampleId :

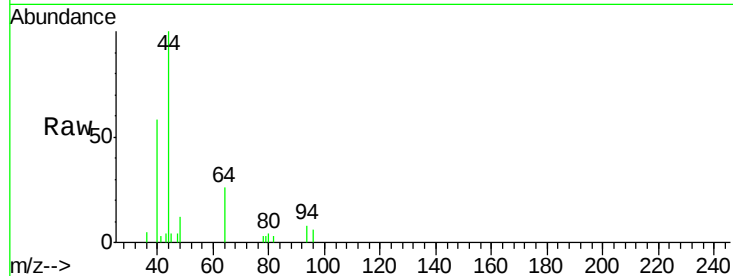
CPA-CPMW09D-M20W2-030519

Tot Ion: 94 Resp: 302

Ion Ratio Lower Upper

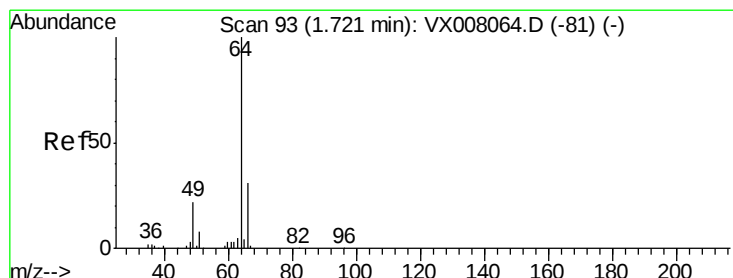
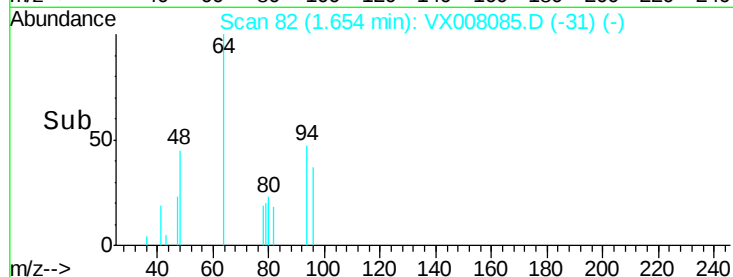
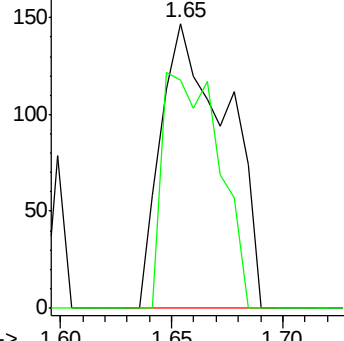
94 100

96 80.3 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.538 ug/l

RT: 1.67 min Scan# 84

Delta R.T. -0.05 min

Lab File: VX008085.D

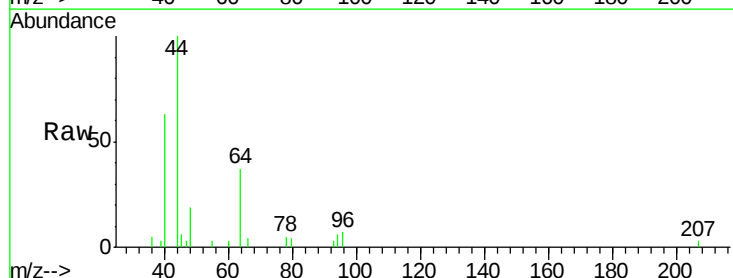
Acq: 14 Mar 2019 22:27

Tgt Ion: 64 Resp: 1810

Ion Ratio Lower Upper

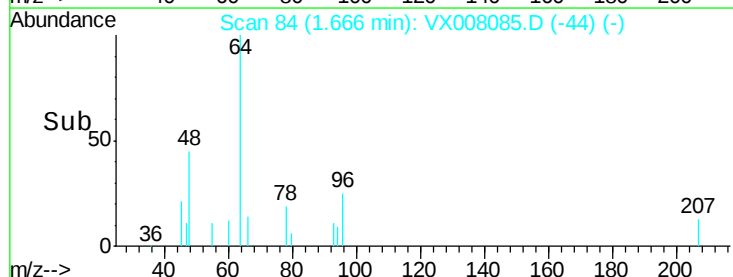
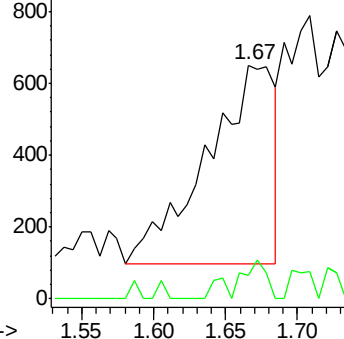
64 100

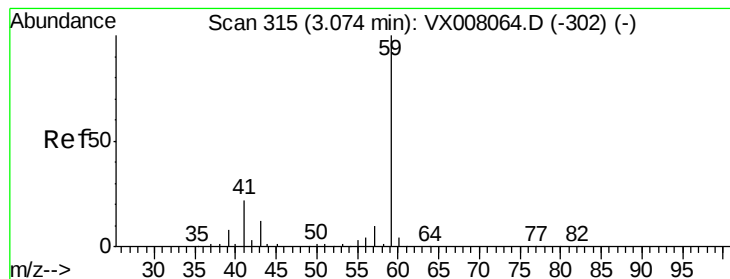
66 12.0 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



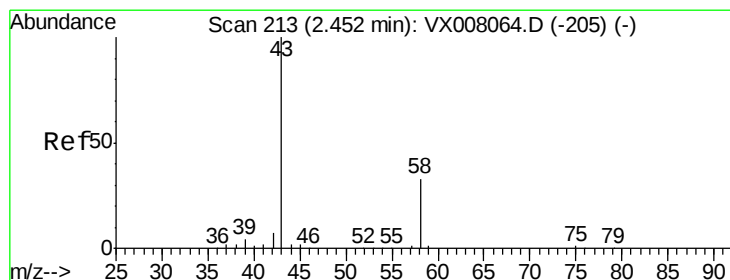
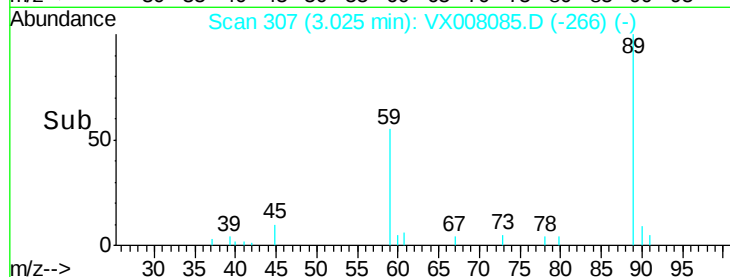
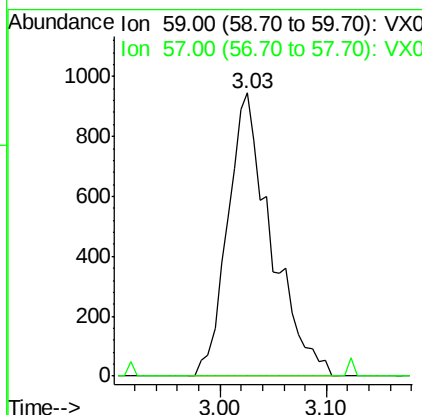
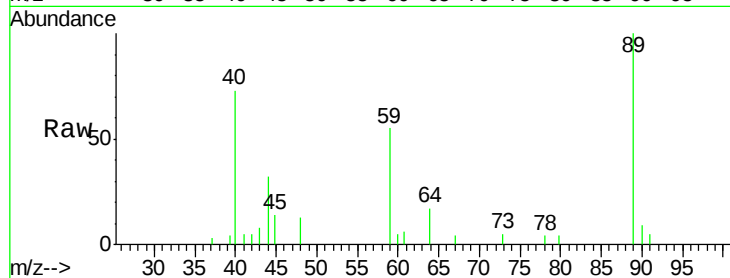


#11

Tert butyl alcohol
 Concen: 4.540 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.05 min
 Lab File: VX008085.D
 Acq: 14 Mar 2019 22:27

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-CPMW09D-M20W2-030519

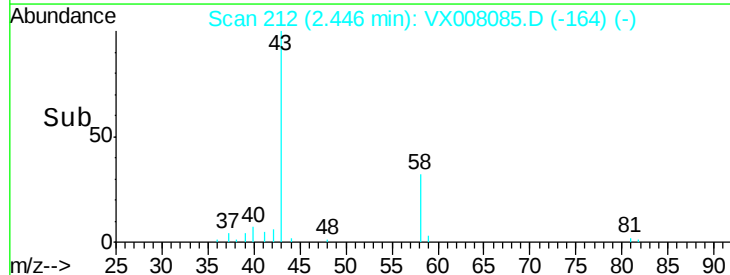
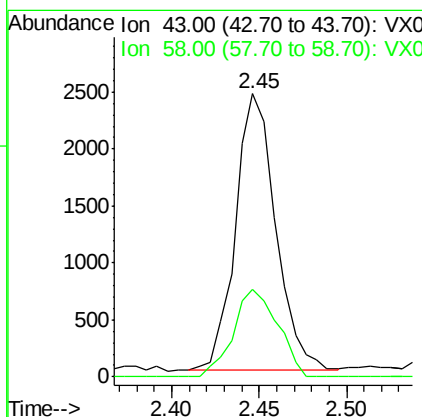
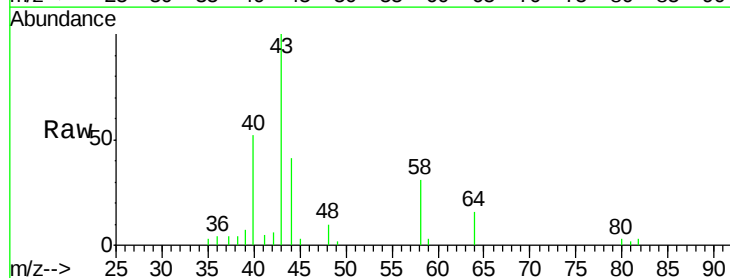
Tot Ion: 59 Resp: 2705
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

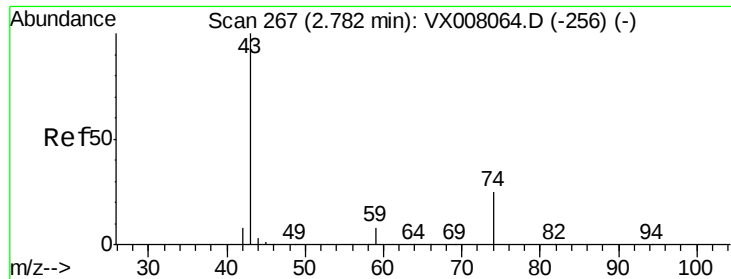


#16

Acetone
 Concen: 2.661 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.01 min
 Lab File: VX008085.D
 Acq: 14 Mar 2019 22:27

Tgt Ion: 43 Resp: 3874
 Ion Ratio Lower Upper
 43 100
 58 31.7 25.5 38.3

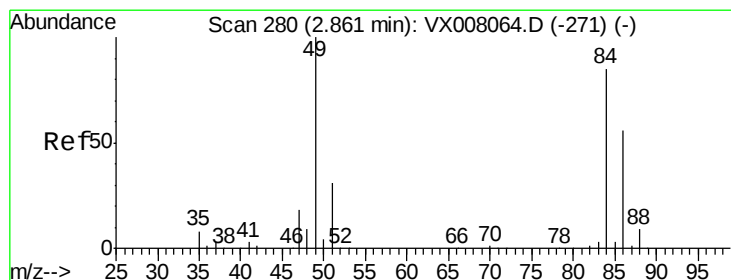
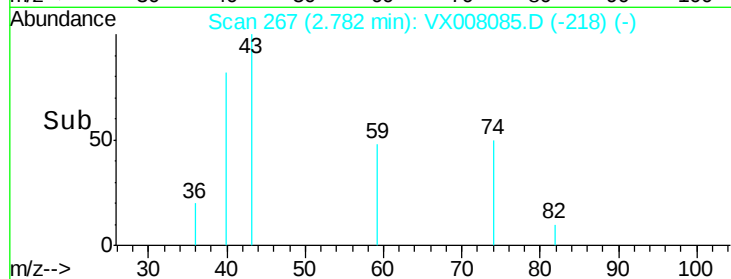
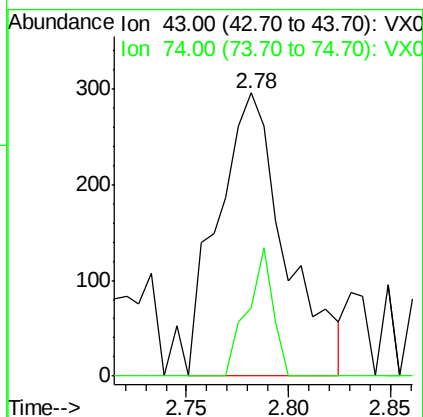
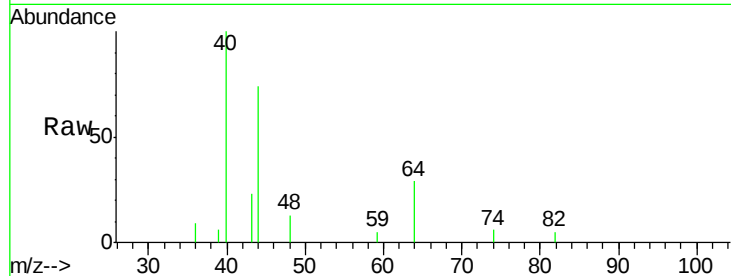




#18
Methyl Acetate
Concen: 0.216 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX008085.D
Acq: 14 Mar 2019 22:27

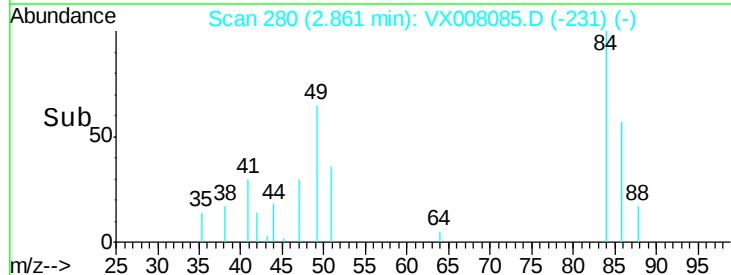
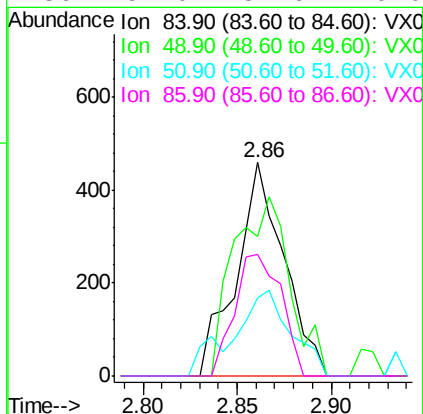
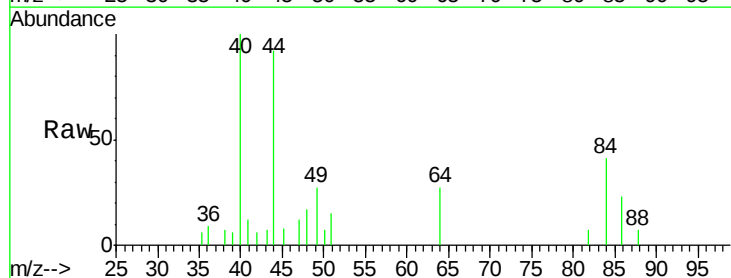
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW09D-M20W2-030519

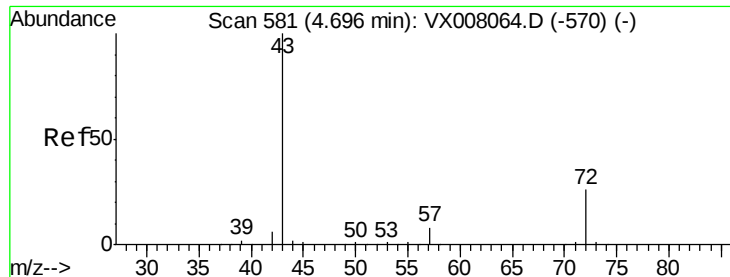
Tot Ion: 43 Resp: 680
Ion Ratio Lower Upper
43 100
74 17.2 17.8 26.6#



#20
Methylene Chloride
Concen: 0.309 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX008085.D
Acq: 14 Mar 2019 22:27

Tgt Ion: 84 Resp: 804
Ion Ratio Lower Upper
84 100
49 65.2 99.3 148.9#
51 36.3 31.3 46.9
86 57.0 52.6 79.0





#25

2-Butanone

Concen: 0.216 ug/l

RT: 4.73 min Scan# 586

Delta R.T. 0.03 min

Lab File: VX008085.D

Acq: 14 Mar 2019 22:27

Instrument :

MSVOA_X

ClientSampleId :

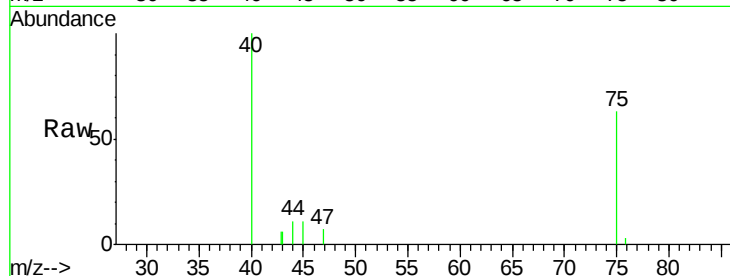
CPA-CPMW09D-M20W2-030519

Tot Ion: 43 Resp: 483

Ion Ratio Lower Upper

43 100

72 0.0 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.73

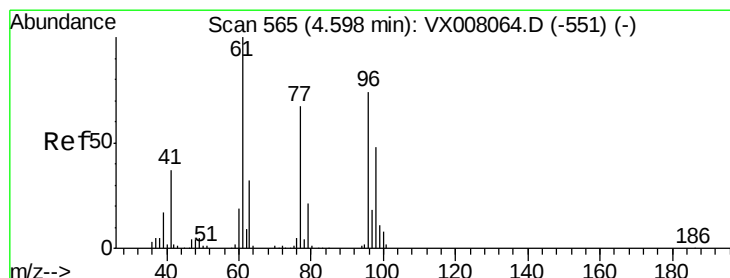
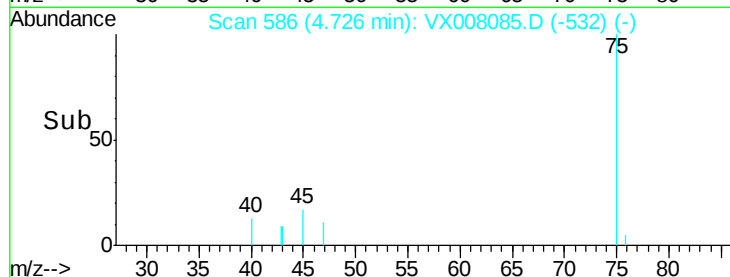
150

100

50

0

Time-->



#27

cis-1,2-Dichloroethene

Concen: 0.304 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX008085.D

Acq: 14 Mar 2019 22:27

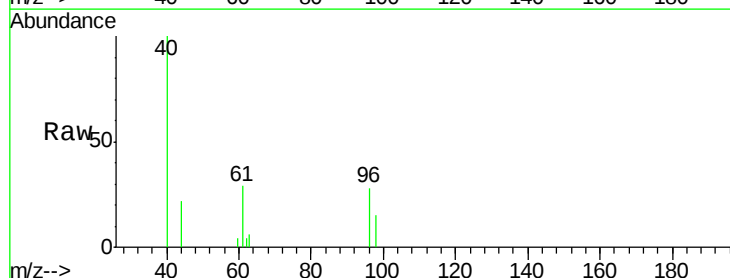
Tgt Ion: 96 Resp: 907

Ion Ratio Lower Upper

96 100

61 156.7 0.0 288.0

98 67.5 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

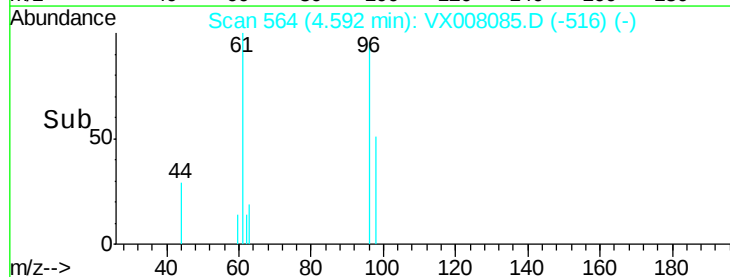
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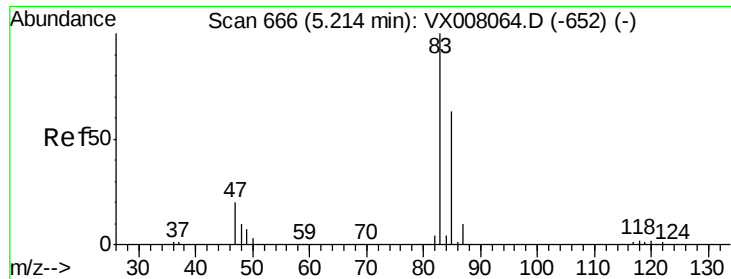
400

200

0

Time-->

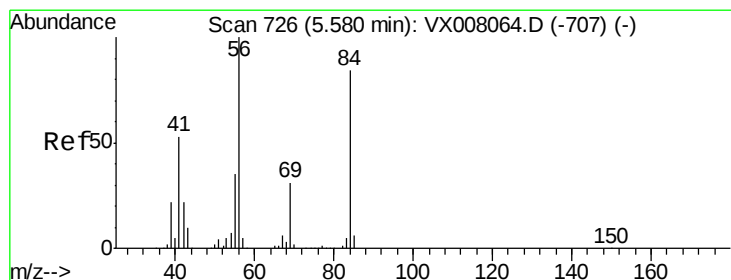
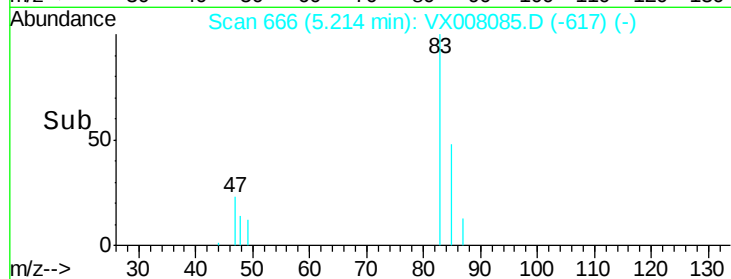
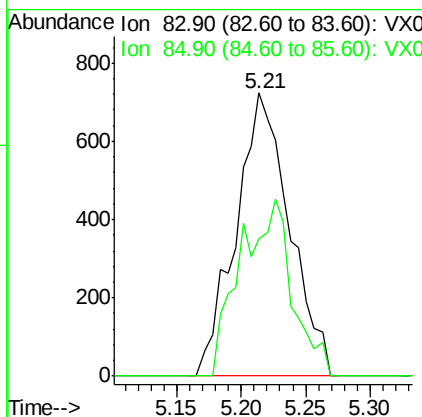
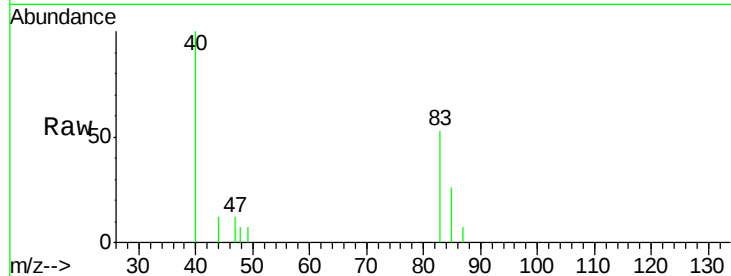




#30
Chloroform
Concen: 0.445 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX008085.D
Acq: 14 Mar 2019 22:27

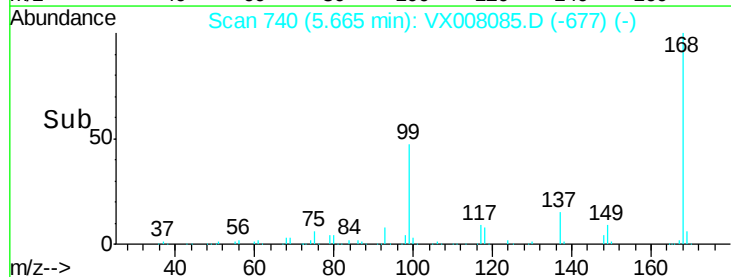
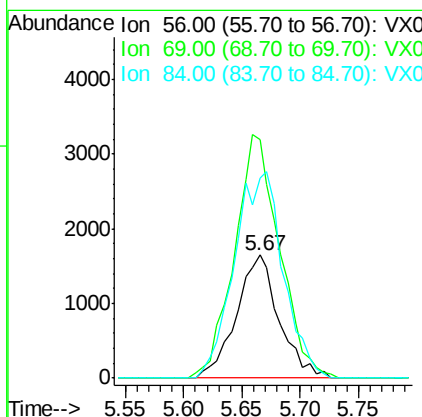
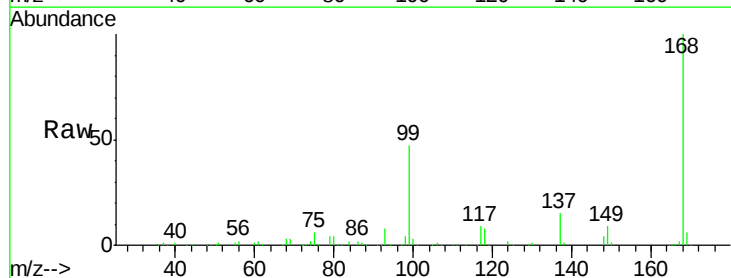
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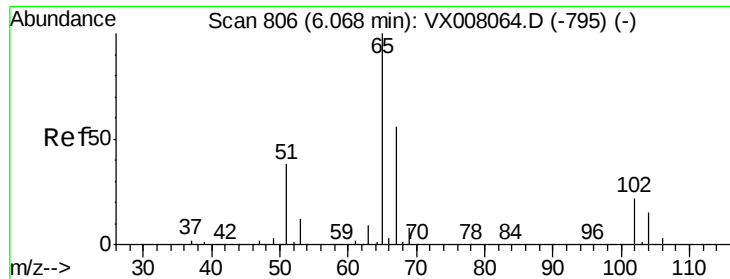
Tot Ion: 83 Resp: 2087
Ion Ratio Lower Upper
83 100
85 48.4 51.8 77.6#



#31
Cyclohexane
Concen: 0.954 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX008085.D
Acq: 14 Mar 2019 22:27

Tgt Ion: 56 Resp: 4205
Ion Ratio Lower Upper
56 100
69 194.5 24.0 36.0#
84 163.0 65.3 97.9#

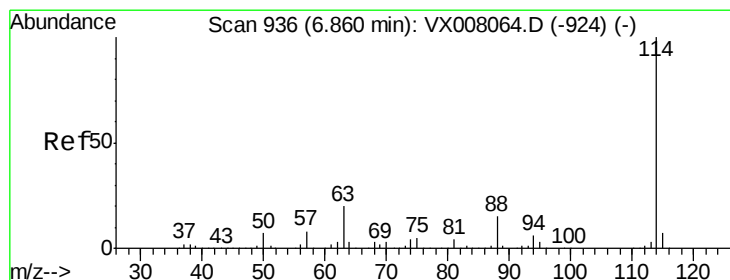
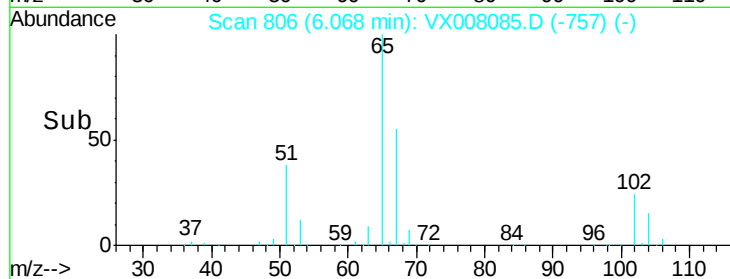
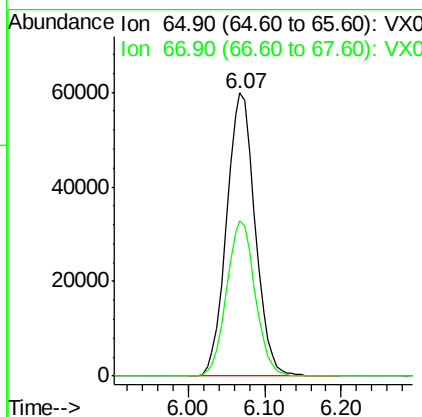
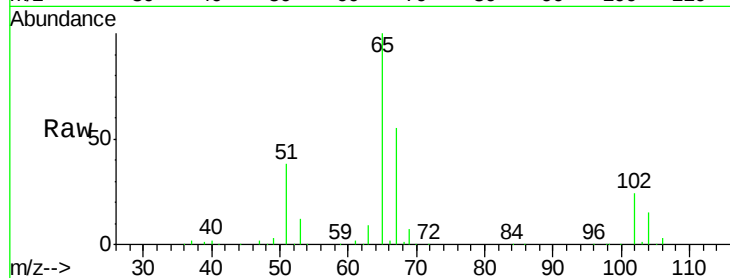




#33
 1,2-Dichloroethane-d4
 Concen: 50.072 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX008085.D
 Acq: 14 Mar 2019 22:27

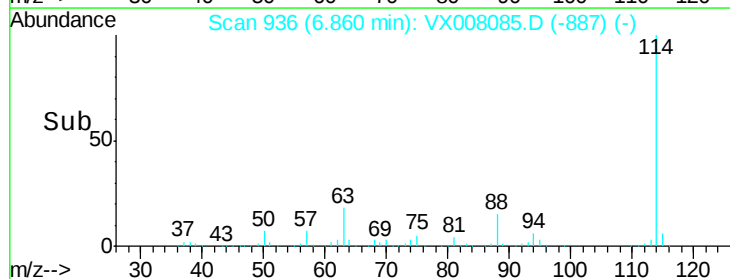
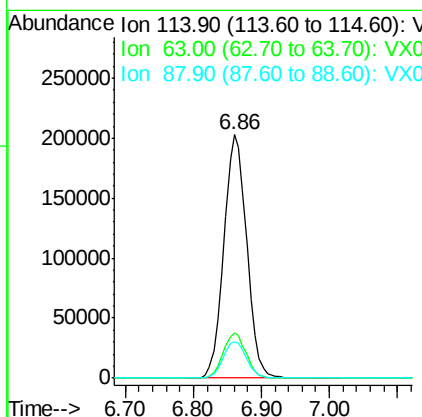
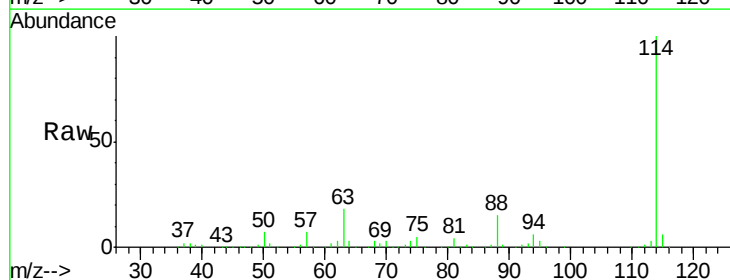
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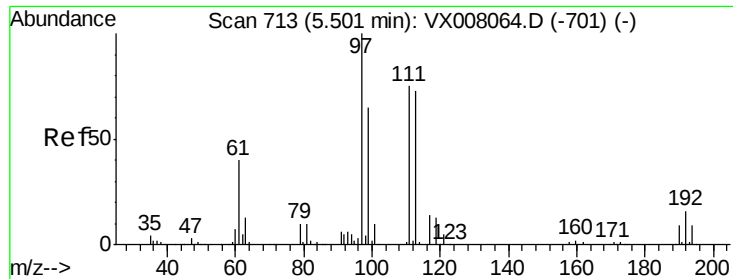
Tot Ion: 65 Resp: 154425
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008085.D
 Acq: 14 Mar 2019 22:27

Tgt Ion: 114 Resp: 471831
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 39.8
 88 15.2 0.0 31.4

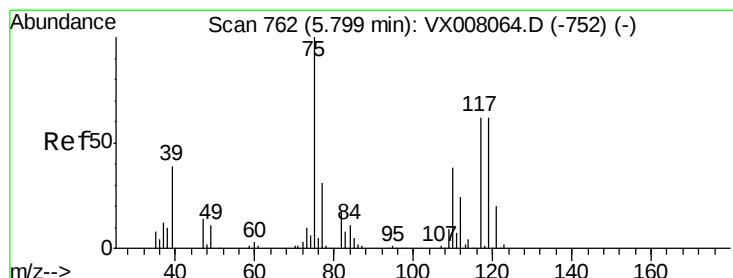
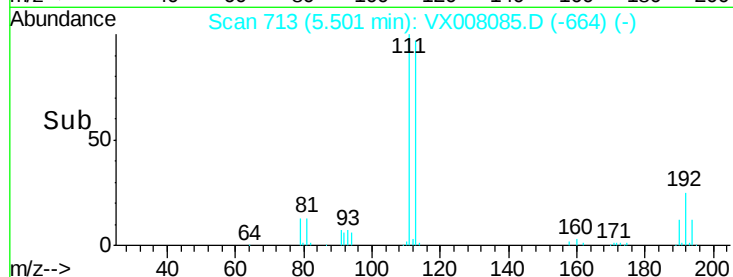
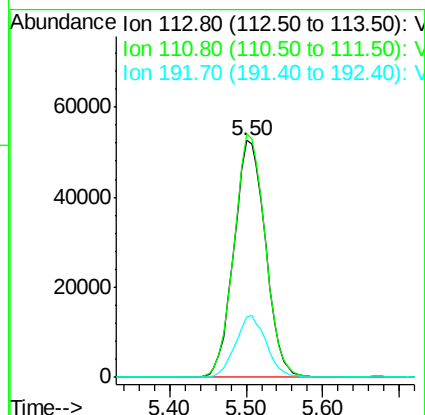
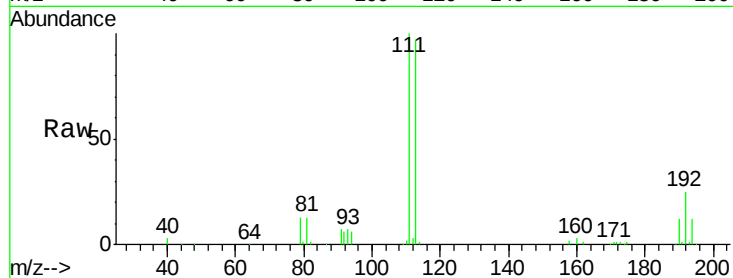




#35
Dibromofluoromethane
Concen: 50.280 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX008085.D
Acq: 14 Mar 2019 22:27

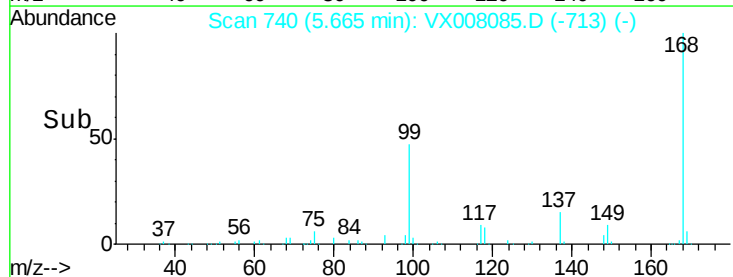
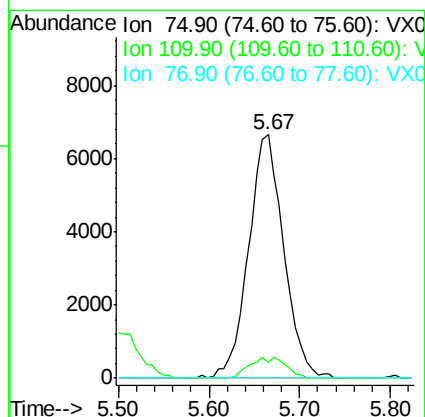
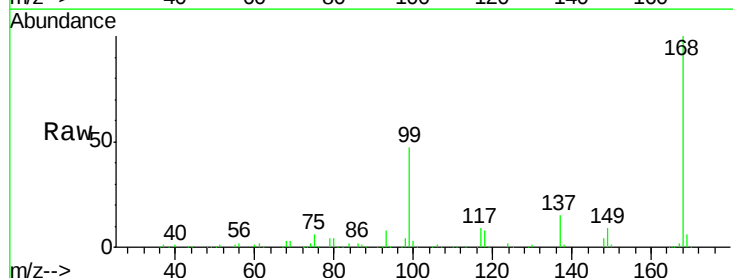
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW09D-M20W2-030519

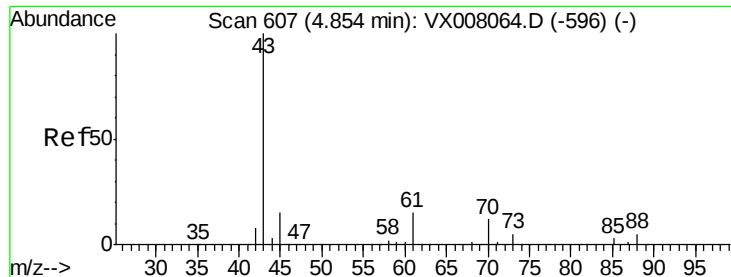
Tot Ion:113 Resp: 150442
Ion Ratio Lower Upper
113 100
111 101.4 81.4 122.0
192 25.4 19.4 29.0



#36
1,1-Dichloropropene
Concen: 4.595 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.13 min
Lab File: VX008085.D
Acq: 14 Mar 2019 22:27

Tgt Ion: 75 Resp: 17837
Ion Ratio Lower Upper
75 100
110 8.7 18.4 55.0#
77 0.0 25.0 37.4#

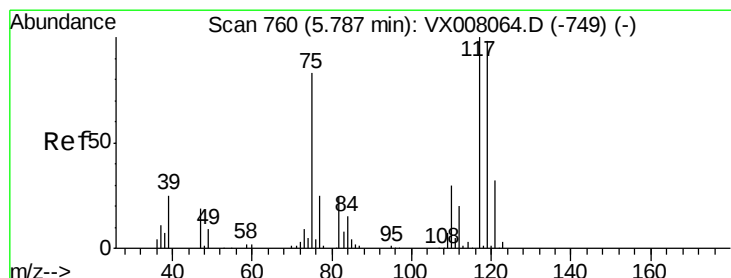
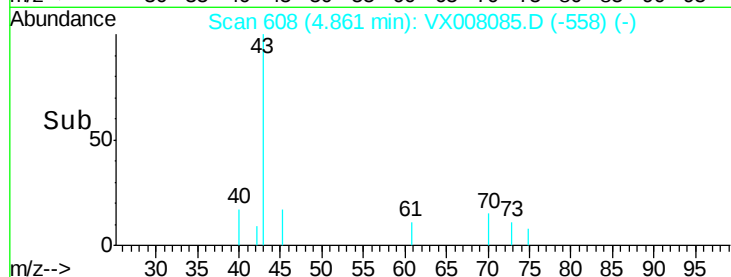
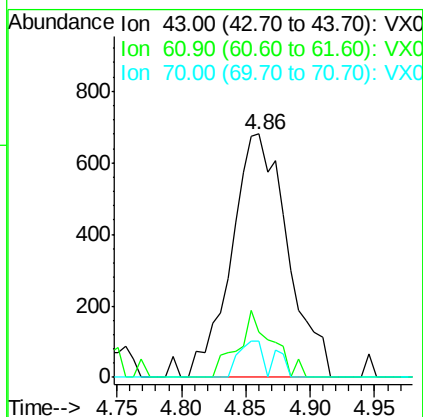
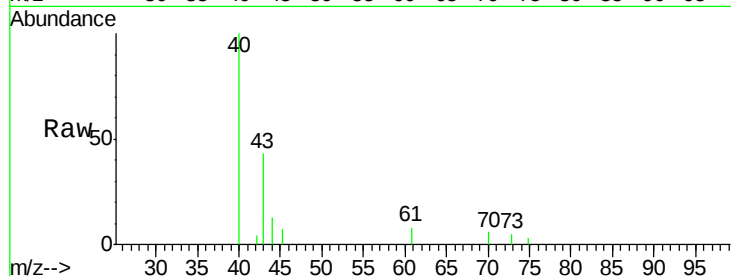




#37
Ethyl Acetate
Concen: 0.494 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX008085.D
Acq: 14 Mar 2019 22:27

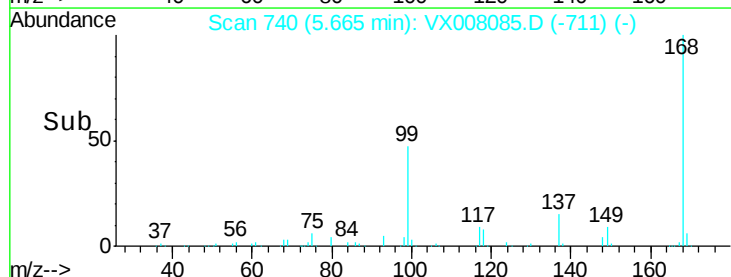
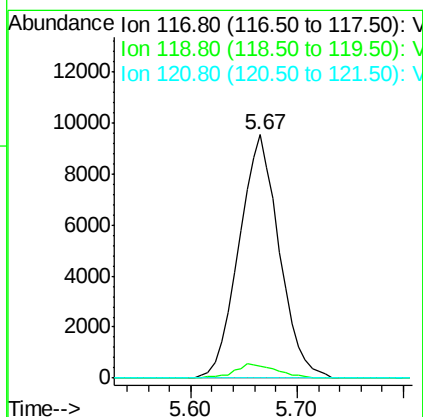
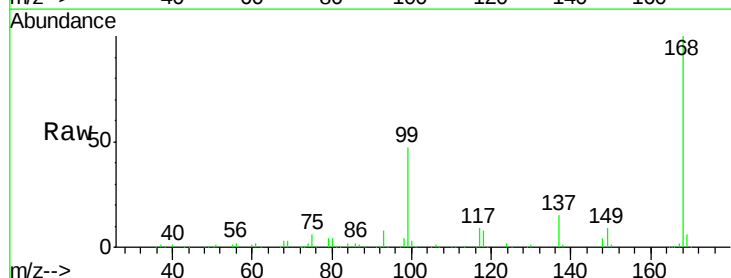
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW09D-M20W2-030519

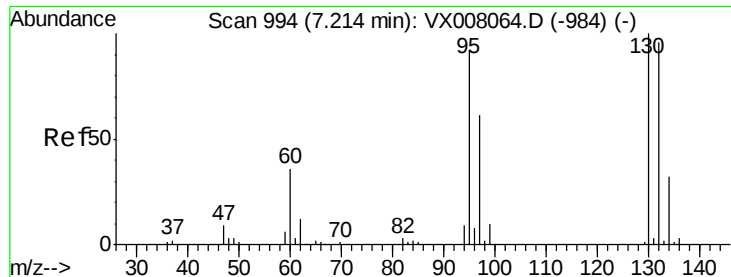
Tot Ion: 43 Resp: 2062
Ion Ratio Lower Upper
43 100
61 16.7 11.3 16.9
70 6.2 8.5 12.7#



#38
Carbon Tetrachloride
Concen: 6.767 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX008085.D
Acq: 14 Mar 2019 22:27

Tgt Ion: 117 Resp: 25284
Ion Ratio Lower Upper
117 100
119 4.8 76.2 114.2#
121 0.0 24.6 36.8#





#44

Trichloroethene

Concen: 0.216 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX008085.D

Acq: 14 Mar 2019 22:27

Instrument :

MSVOA_X

ClientSampleId :

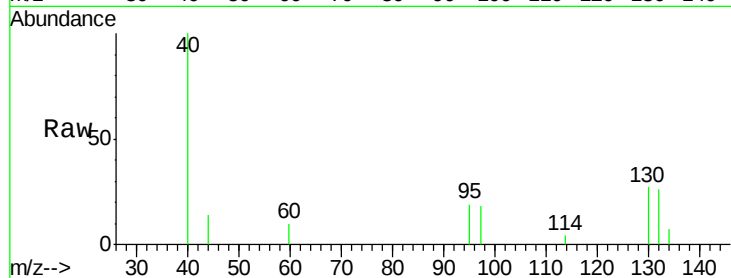
CPA-CPMW09D-M20W2-030519

Tot Ion:130 Resp: 741

Ion Ratio Lower Upper

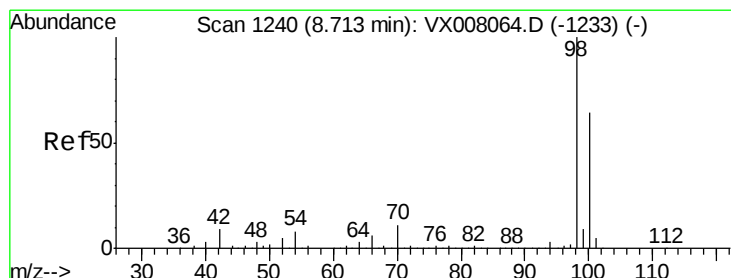
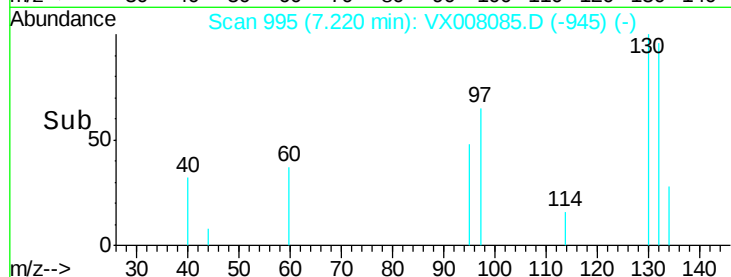
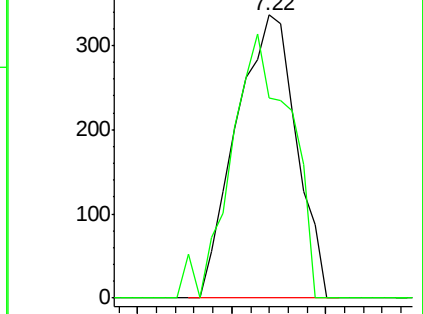
130 100

95 70.5 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: 49.685 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008085.D

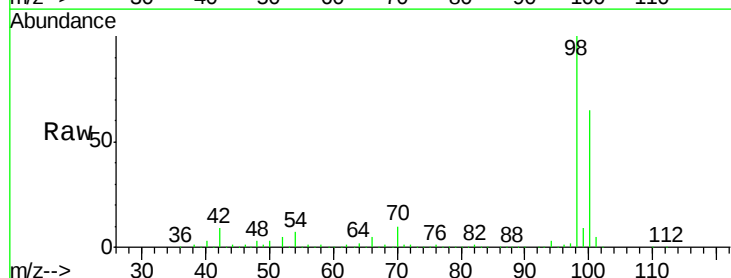
Acq: 14 Mar 2019 22:27

Tgt Ion: 98 Resp: 565411

Ion Ratio Lower Upper

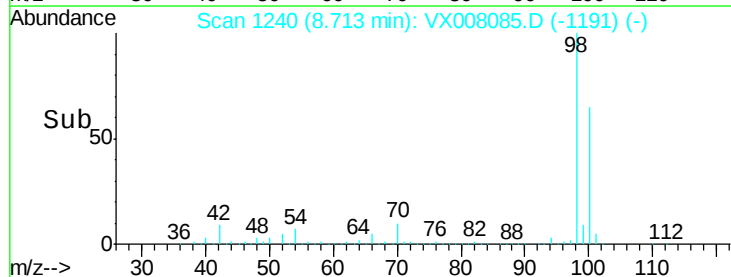
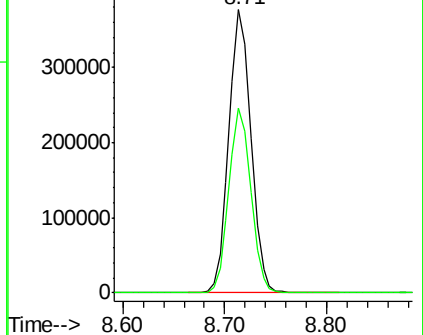
98 100

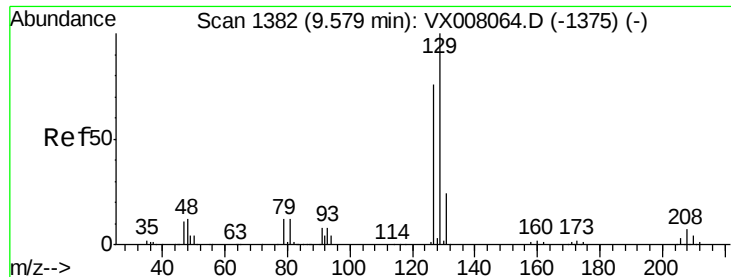
100 65.1 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#60

Dibromochloromethane

Concen: 5.265 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX008085.D

Acq: 14 Mar 2019 22:27

Instrument :

MSVOA_X

ClientSampleId :

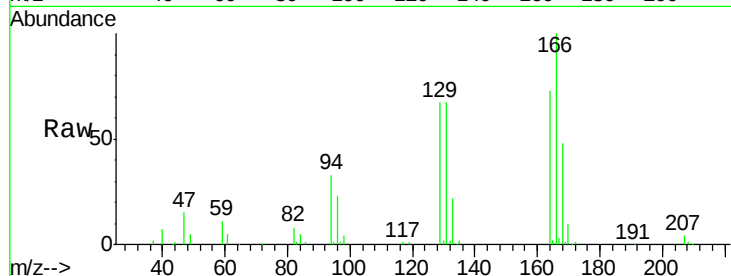
CPA-CPMW09D-M20W2-030519

Tot Ion:129 Resp: 16701

Ion Ratio Lower Upper

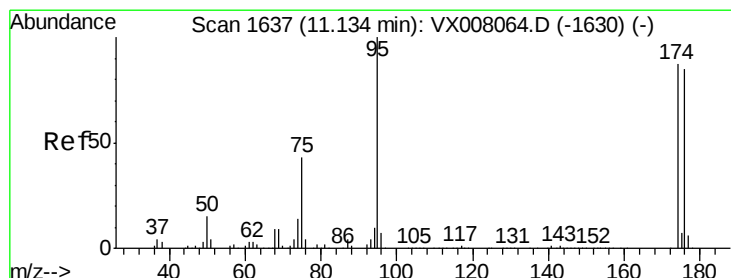
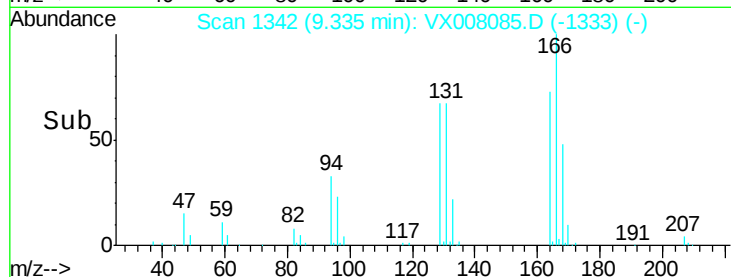
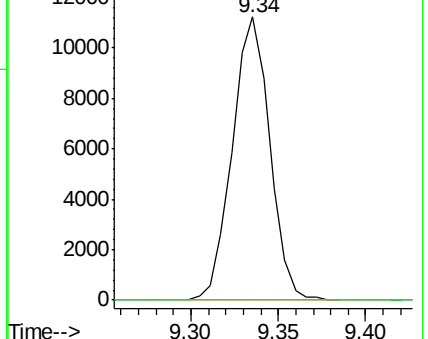
129 100

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: 51.168 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008085.D

Acq: 14 Mar 2019 22:27

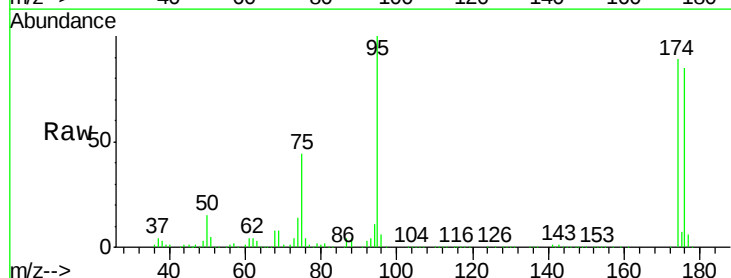
Tgt Ion: 95 Resp: 208595

Ion Ratio Lower Upper

95 100

174 94.7 0.0 182.8

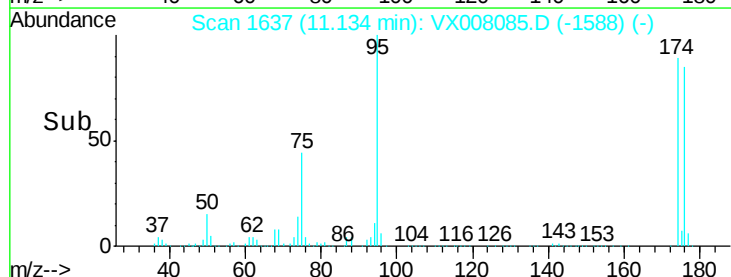
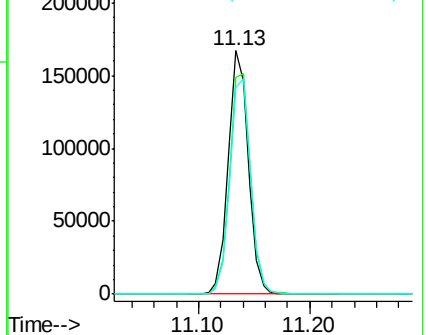
176 92.0 0.0 178.0

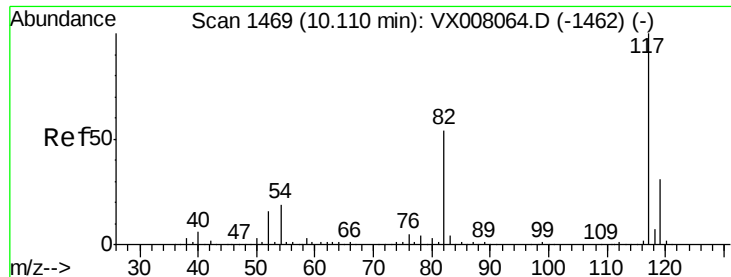


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

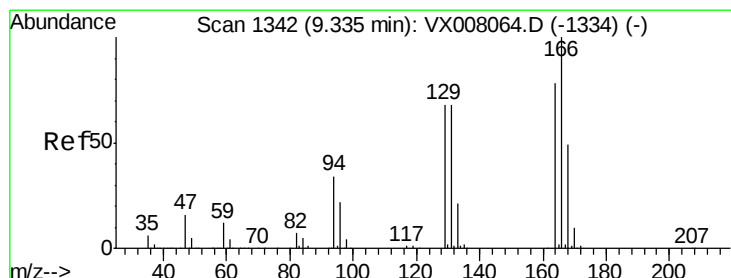
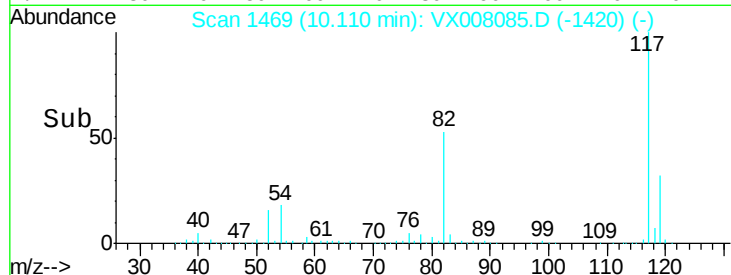
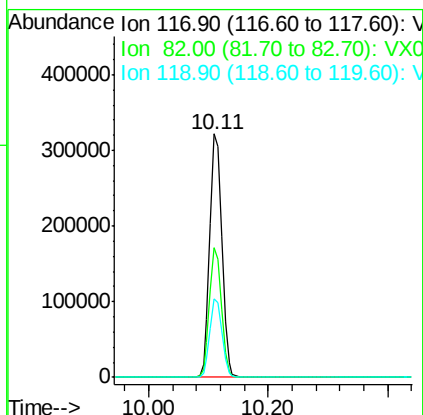
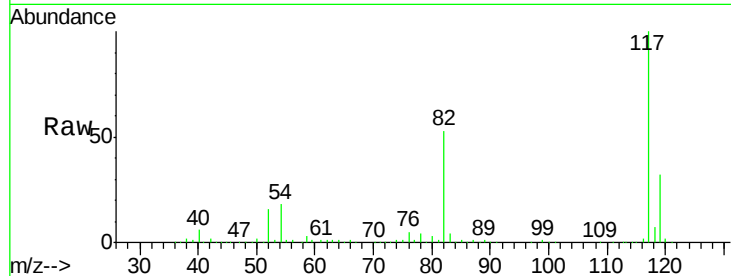




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008085.D
Acq: 14 Mar 2019 22:27

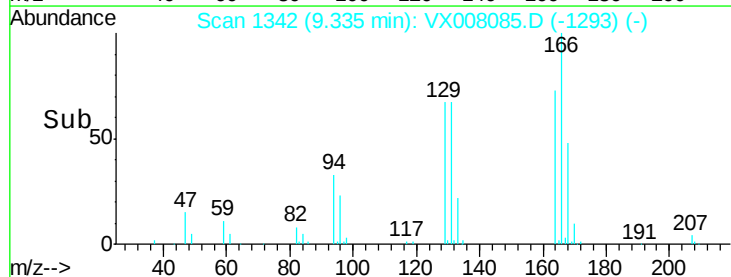
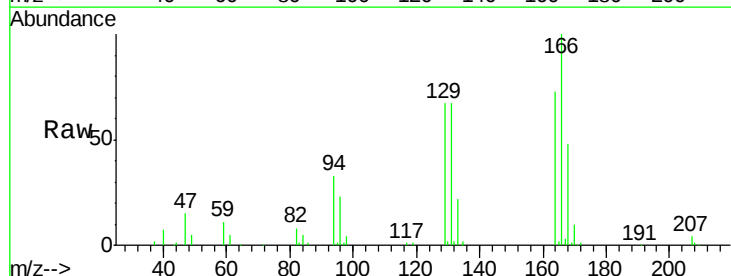
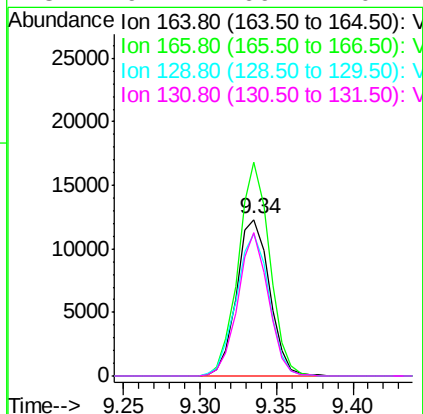
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW09D-M20W2-030519

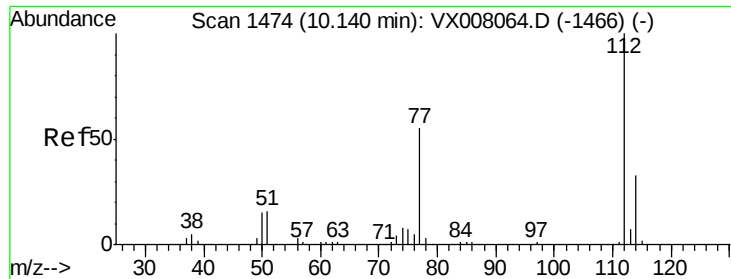
Tot Ion:117 Resp: 445497
Ion Ratio Lower Upper
117 100
82 53.3 44.3 66.5
119 32.4 25.3 37.9



#64
Tetrachloroethene
Concen: 5.093 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008085.D
Acq: 14 Mar 2019 22:27

Tgt Ion:164 Resp: 18382
Ion Ratio Lower Upper
164 100
166 136.6 103.4 155.0
129 91.2 72.2 108.4
131 91.4 69.4 104.2

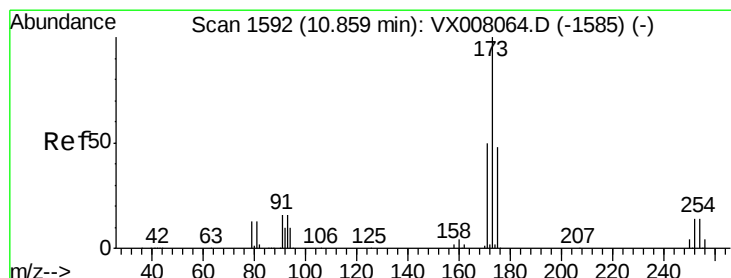
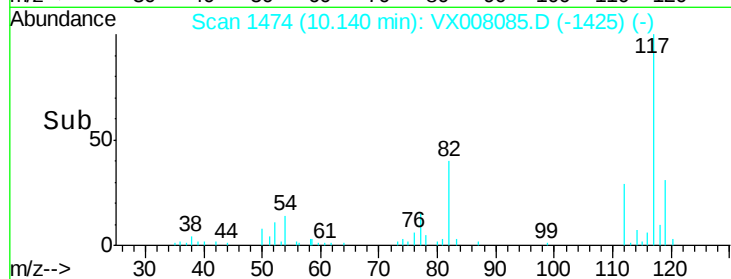
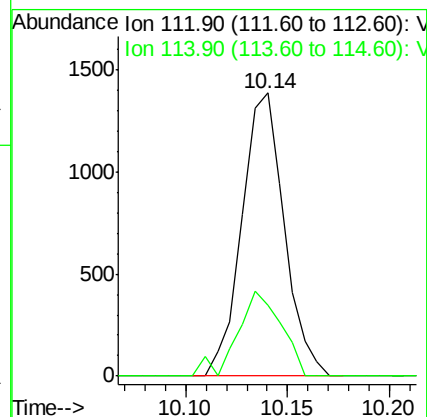
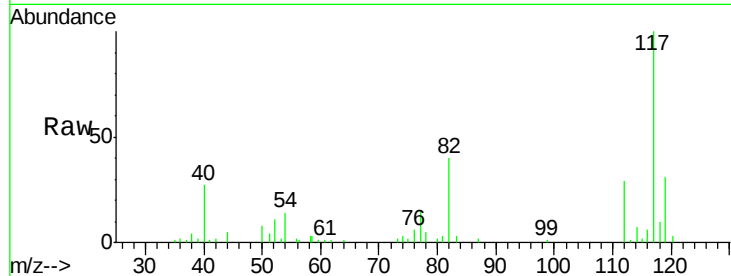




#65
Chlorobenzene
Concen: 0.226 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX008085.D
Acq: 14 Mar 2019 22:27

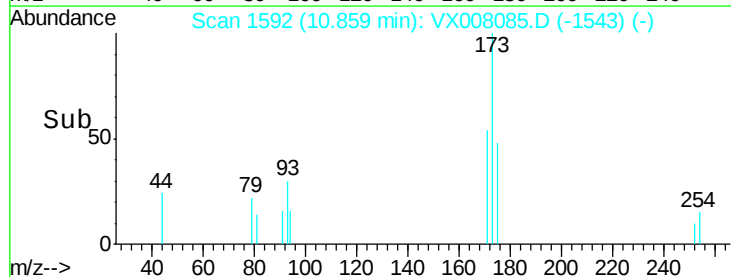
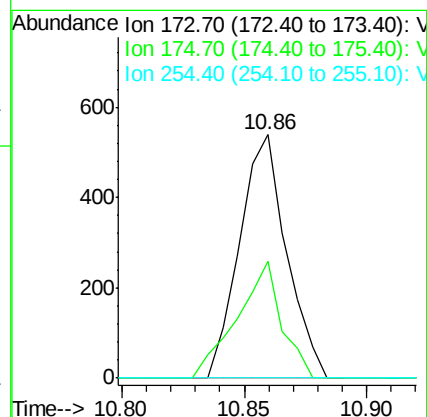
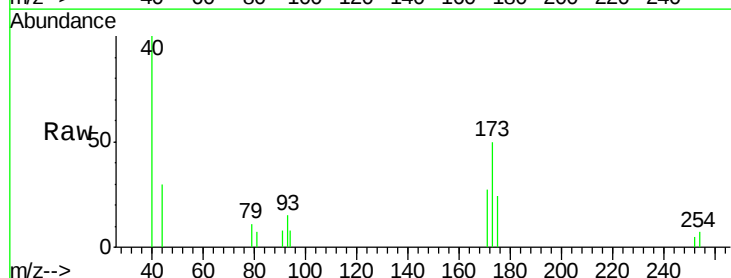
Instrument :
MSVOA_X
ClientSampleId :
CPA-CPMW09D-M20W2-030519

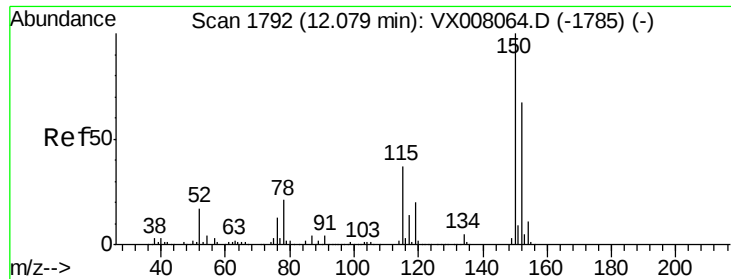
Tot Ion:112 Resp: 2000
Ion Ratio Lower Upper
112 100
114 24.9 26.0 39.0#



#71
Bromoform
Concen: 0.276 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX008085.D
Acq: 14 Mar 2019 22:27

Tgt Ion:173 Resp: 717
Ion Ratio Lower Upper
173 100
175 45.5 24.3 72.9
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008085.D

Acq: 14 Mar 2019 22:27

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW09D-M20W2-030519

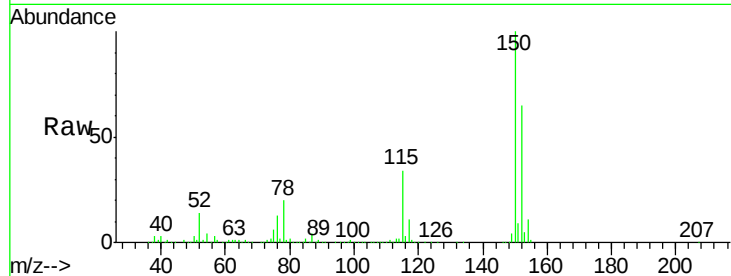
Tot Ion:152 Resp: 219893

Ion Ratio Lower Upper

152 100

115 54.8 38.6 115.7

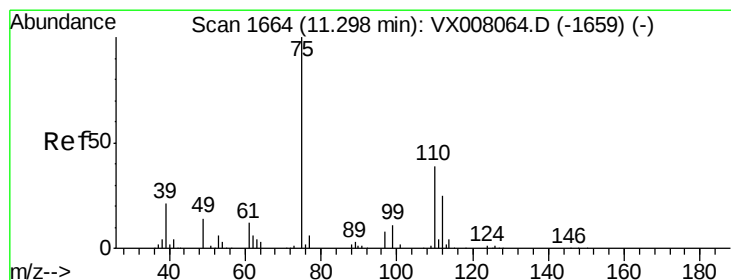
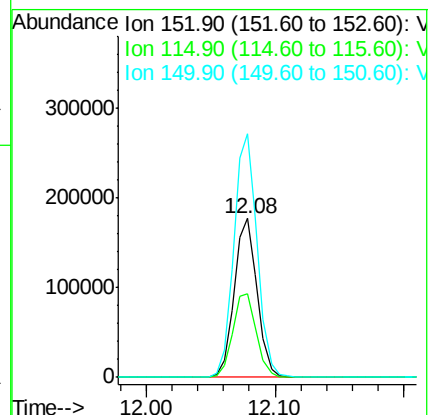
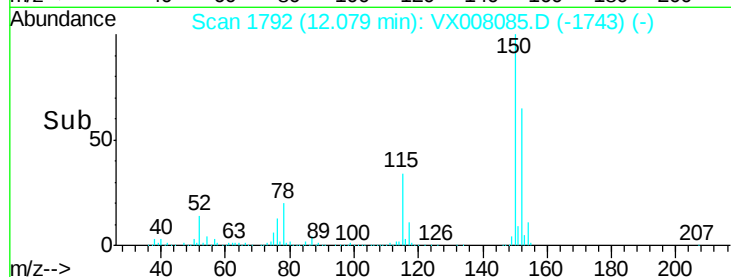
150 156.3 0.0 348.4



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: 24.500 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008085.D

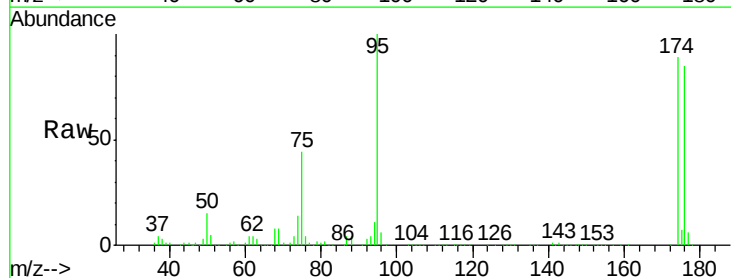
Acq: 14 Mar 2019 22:27

Tgt Ion: 75 Resp: 93563

Ion Ratio Lower Upper

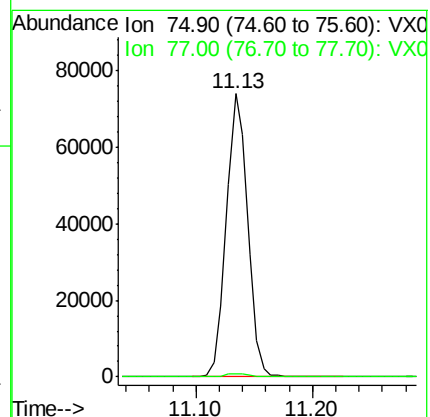
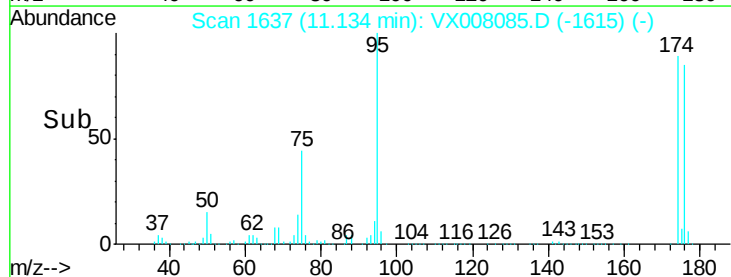
75 100

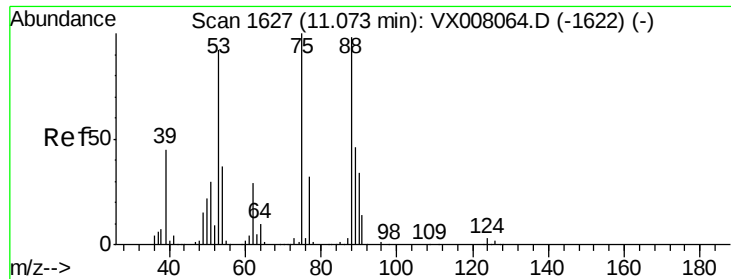
77 1.3 18.9 56.7#



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: 69.718 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008085.D

Acq: 14 Mar 2019 22:27

Instrument :

MSVOA_X

ClientSampleId :

CPA-CPMW09D-M20W2-030519

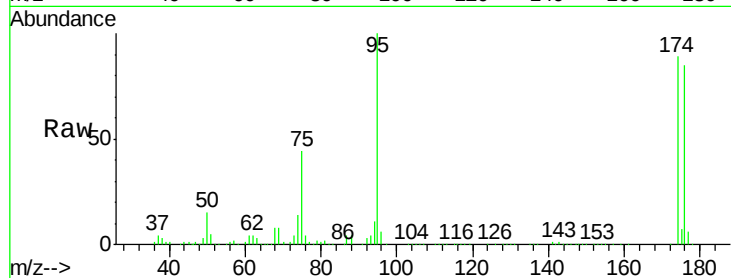
Tot Ion: 75 Resp: 93563

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

