

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041219\
 Data File : VX008894.D
 Acq On : 12 Apr 2019 18:14
 Operator : JC/SP
 Sample : K2366-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP02-20190410

Quant Time: Apr 13 05:00:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	201957	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	328544	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	285395	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	119155	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	134158	45.54	ug/l	0.00
Spiked Amount			Recovery	=	91.08%	
35) Dibromofluoromethane	5.50	113	97473	46.40	ug/l	0.00
Spiked Amount			Recovery	=	92.80%	
50) Toluene-d8	8.71	98	408793	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	
62) 4-Bromofluorobenzene	11.14	95	135484	45.68	ug/l	0.00
Spiked Amount			Recovery	=	91.36%	

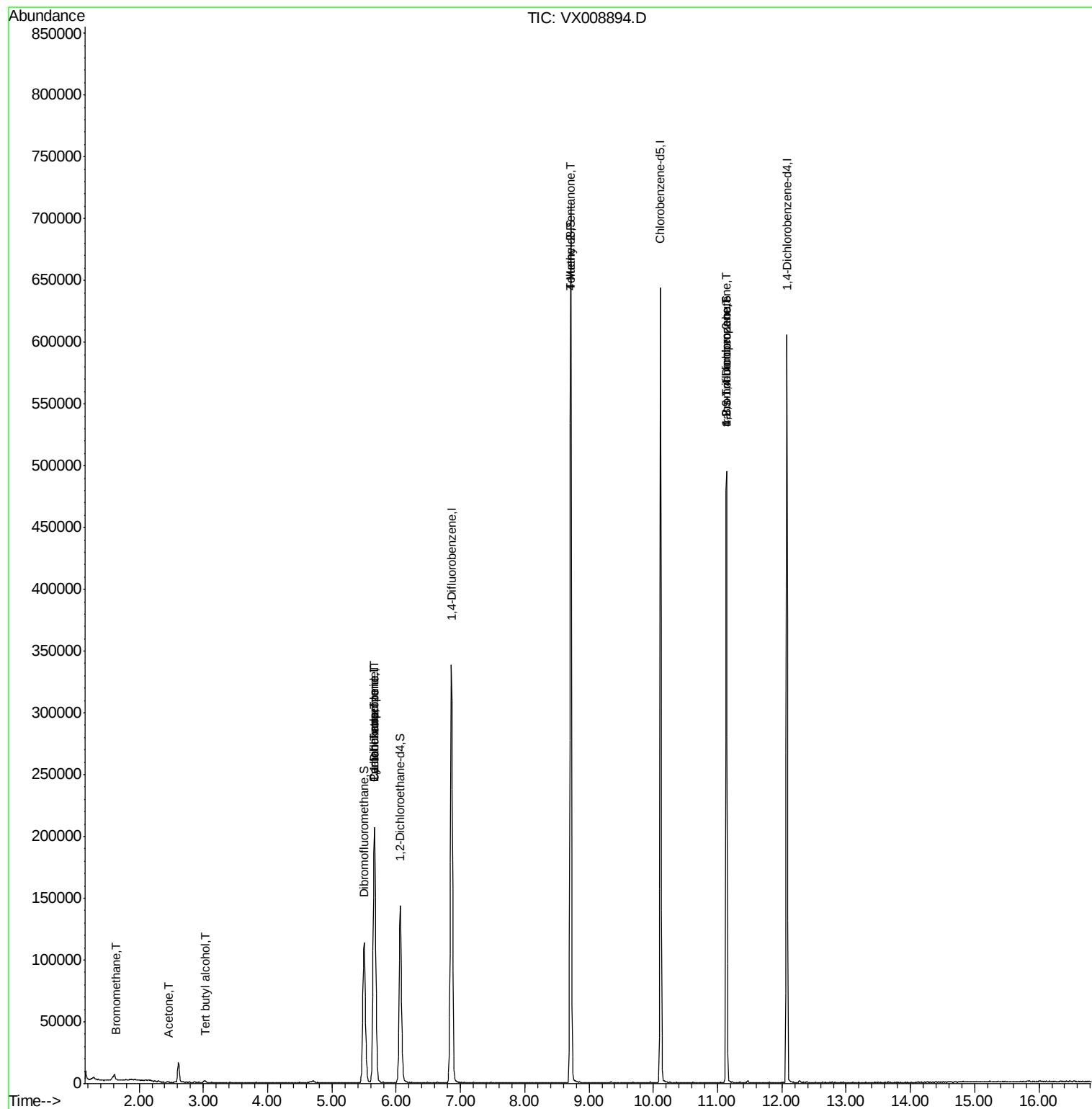
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	248	Below Cal	#	59
5) Bromomethane	1.65	94	63	1.924	ug/l #	76
6) Chloroethane	1.72	64	87	Below Cal	#	43
11) Tert butyl alcohol	3.03	59	961	1.394	ug/l #	91
16) Acetone	2.45	43	807	0.476	ug/l	99
17) Carbon Disulfide	2.57	76	499	Below Cal	#	75
28) Bromochloromethane	5.03	49	23	Below Cal	#	22
31) Cyclohexane	5.66	56	4274	0.840	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16169	4.502	ug/l #	51
38) Carbon Tetrachloride	5.66	117	18931	6.369	ug/l #	17
51) 4-Methyl-2-Pentanone	8.71	43	2218	0.459	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	68196	20.834	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	68196	57.430	ug/l #	9

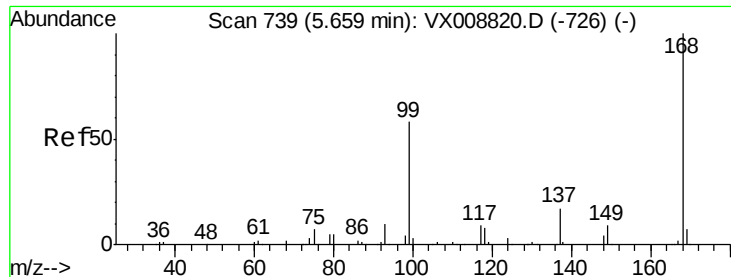
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008894.D

Acq: 12 Apr 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

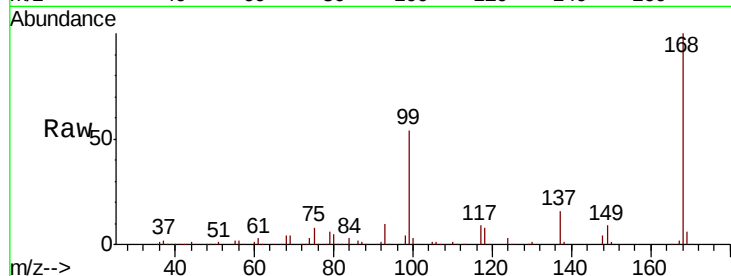
DUP02-20190410

Tot Ion:168 Resp: 201957

Ion Ratio Lower Upper

168 100

99 54.4 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

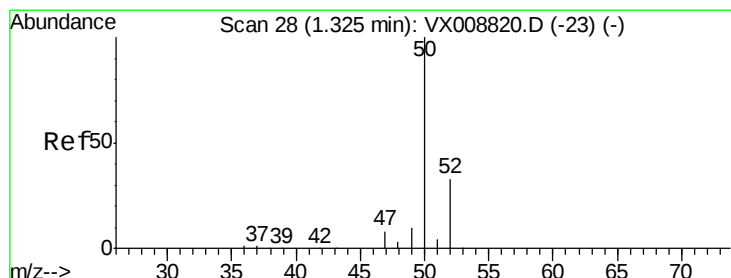
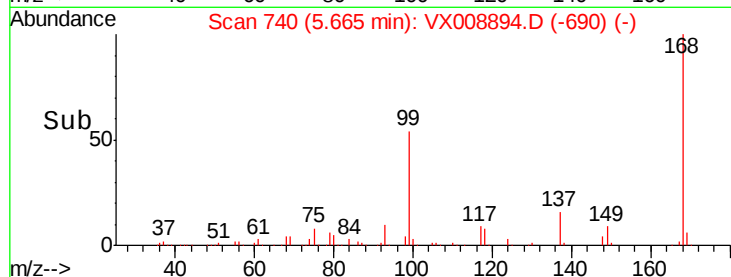
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX008894.D

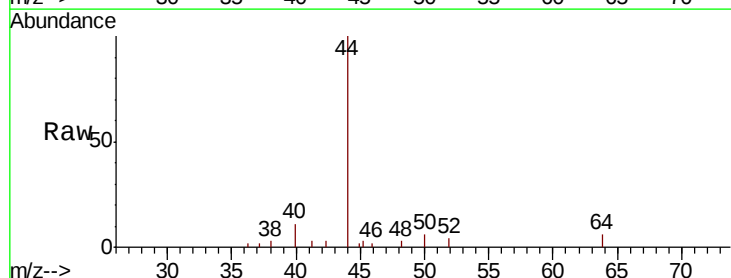
Acq: 12 Apr 2019 18:14

Tgt Ion: 50 Resp: 248

Ion Ratio Lower Upper

50 100

52 55.3 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

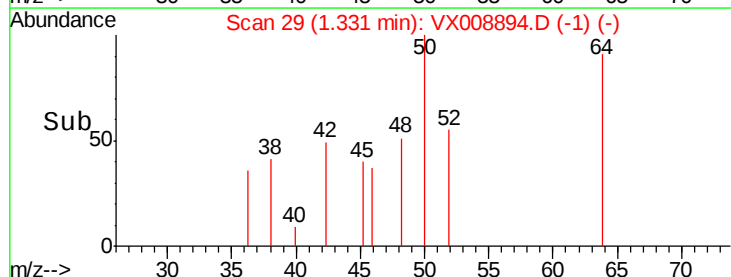
150

100

50

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 1.924 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008894.D

Acq: 12 Apr 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

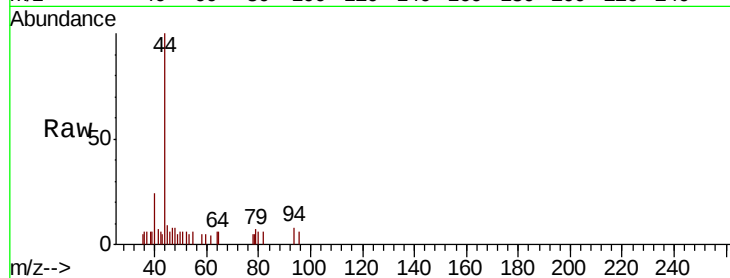
DUP02-20190410

Tot Ion: 94 Resp: 63

Ion Ratio Lower Upper

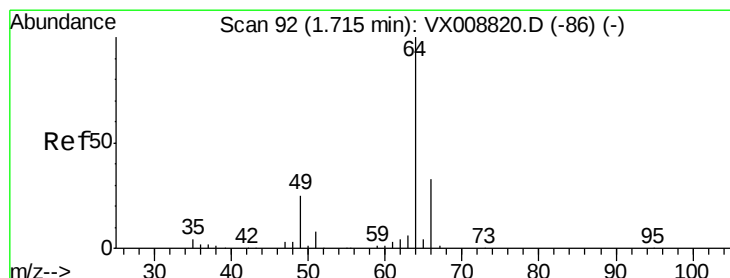
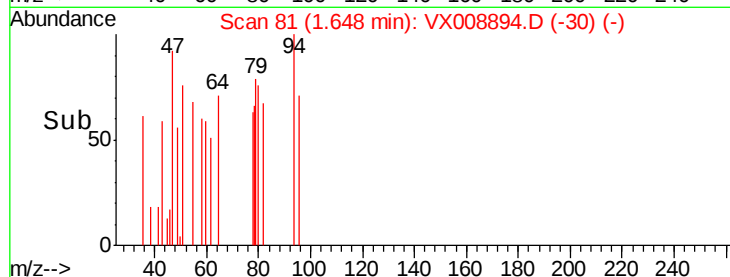
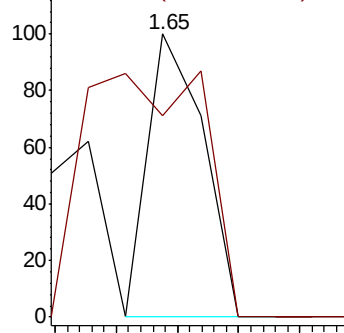
94 100

96 71.0 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX008894.D

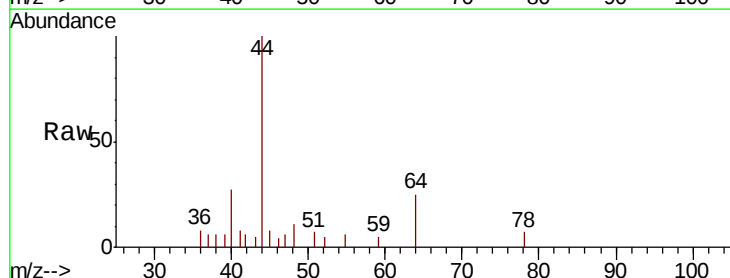
Acq: 12 Apr 2019 18:14

Tgt Ion: 64 Resp: 87

Ion Ratio Lower Upper

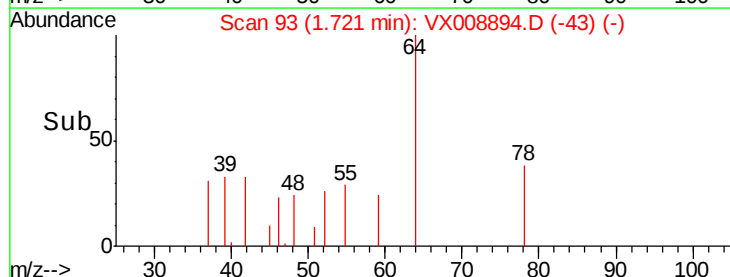
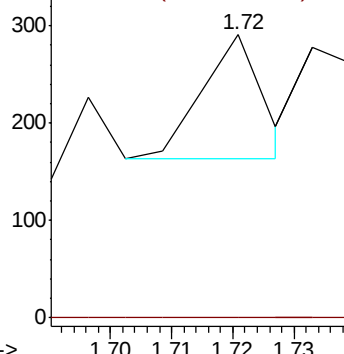
64 100

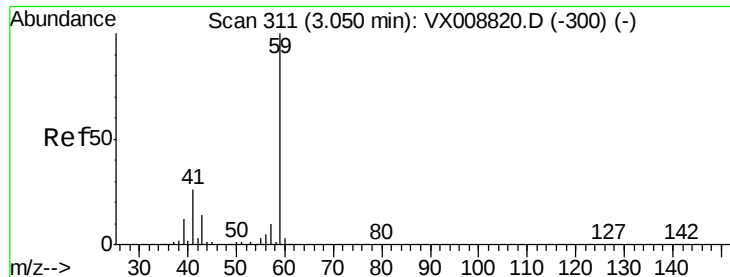
66 0.0 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

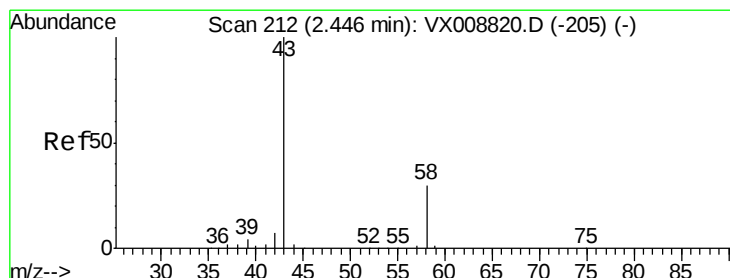
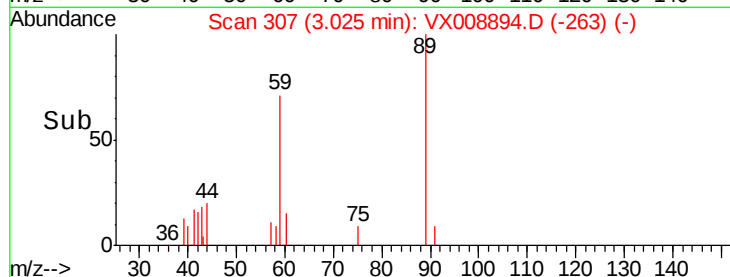
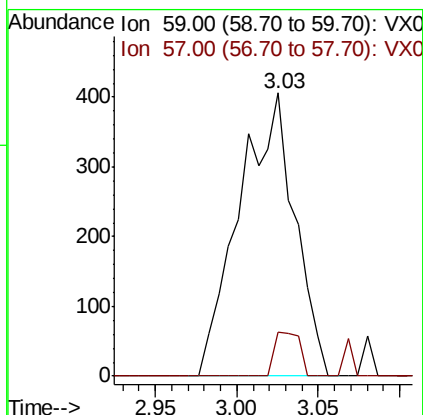
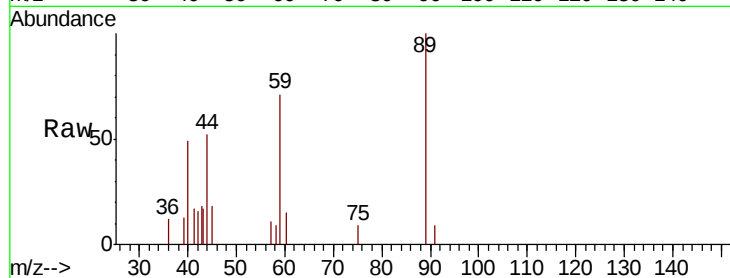




#11
Tert butyl alcohol
Concen: 1.394 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.03 min
Lab File: VX008894.D
Acq: 12 Apr 2019 18:14

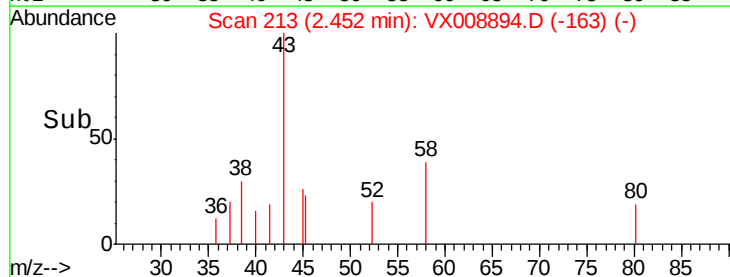
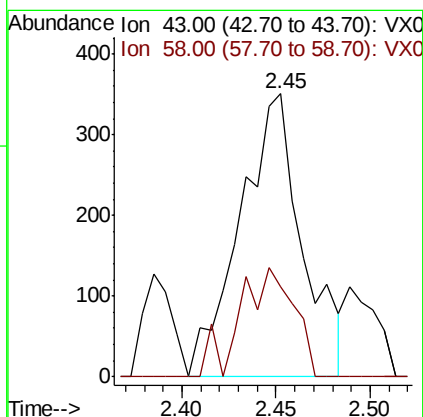
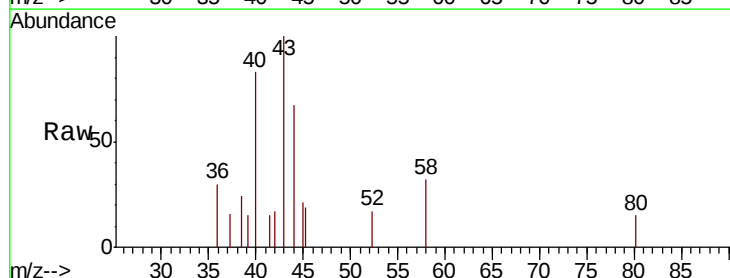
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20190410

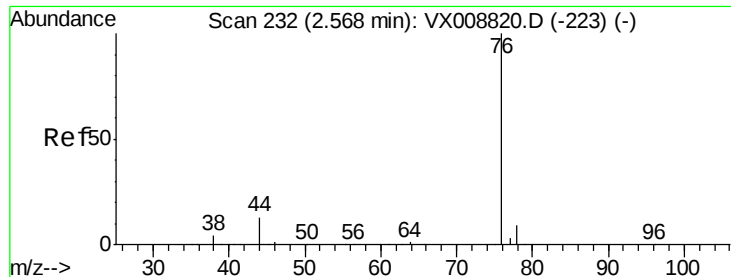
Tot Ion: 59 Resp: 961
Ion Ratio Lower Upper
59 100
57 7.0 8.3 12.5#



#16
Acetone
Concen: 0.476 ug/l
RT: 2.45 min Scan# 213
Delta R.T. 0.01 min
Lab File: VX008894.D
Acq: 12 Apr 2019 18:14

Tgt Ion: 43 Resp: 807
Ion Ratio Lower Upper
43 100
58 31.6 24.8 37.2

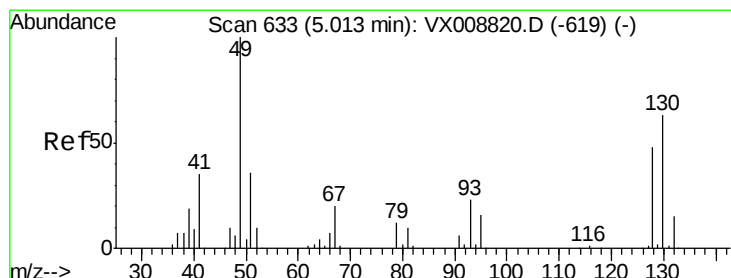
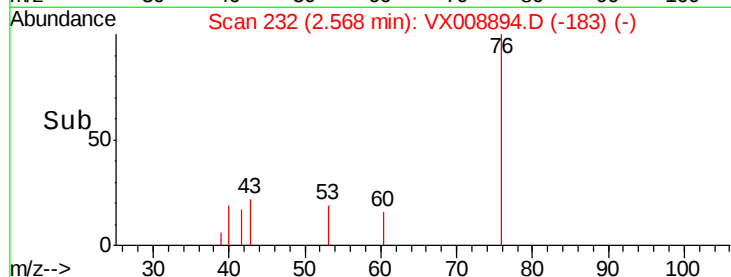
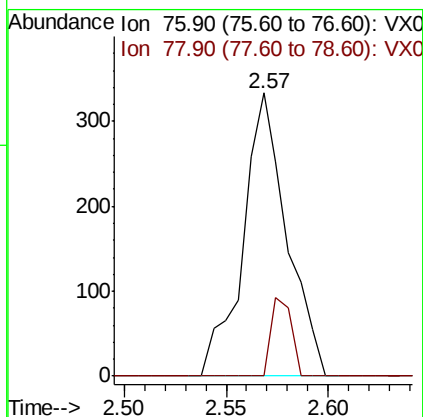
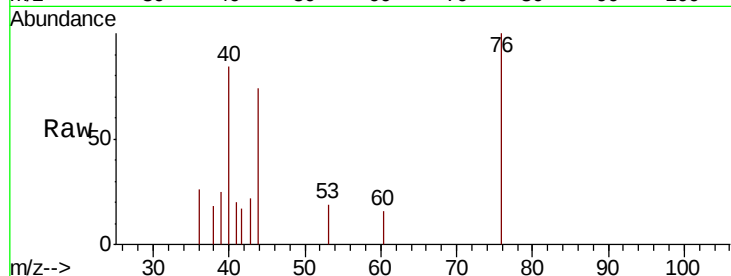




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX008894.D
Acq: 12 Apr 2019 18:14

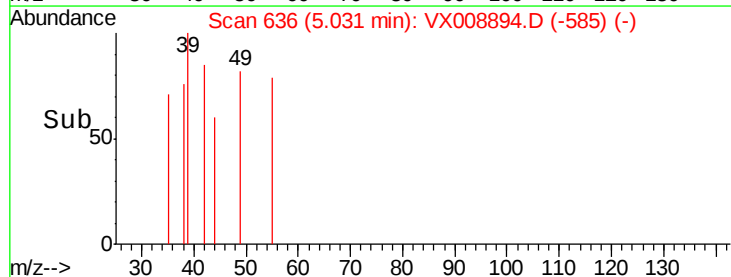
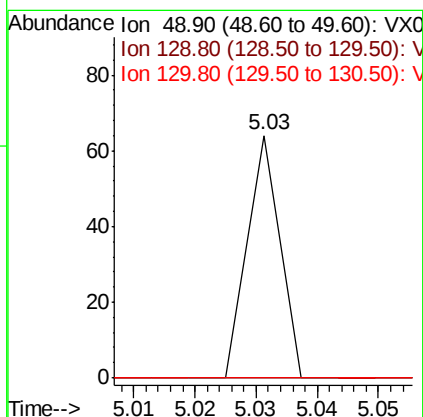
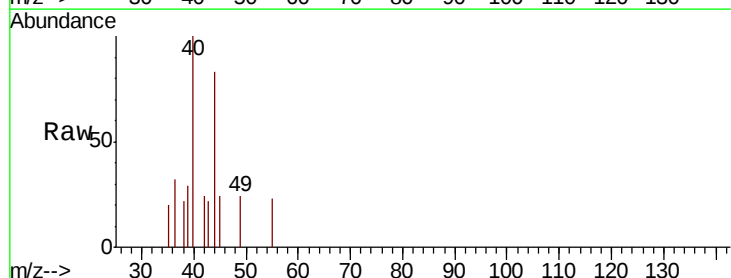
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20190410

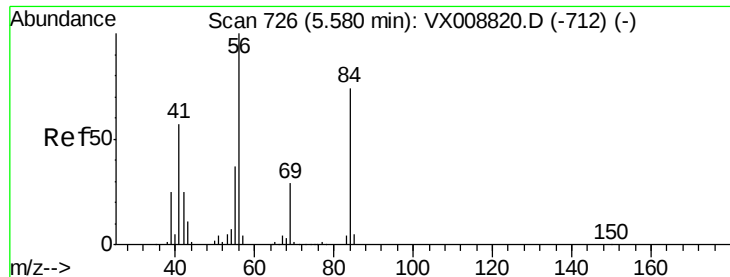
Tot Ion: 76 Resp: 499
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



#28
Bromochloromethane
Concen: Below Cal
RT: 5.03 min Scan# 636
Delta R.T. 0.01 min
Lab File: VX008894.D
Acq: 12 Apr 2019 18:14

Tgt Ion: 49 Resp: 23
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 49.3 73.9#

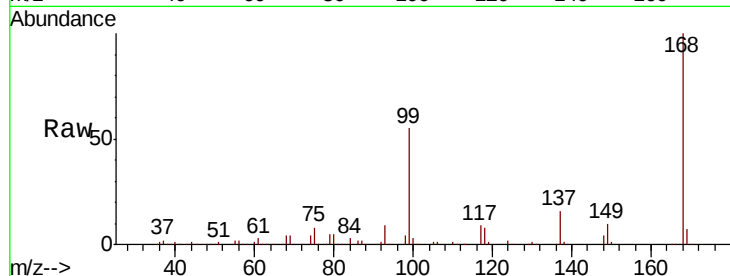




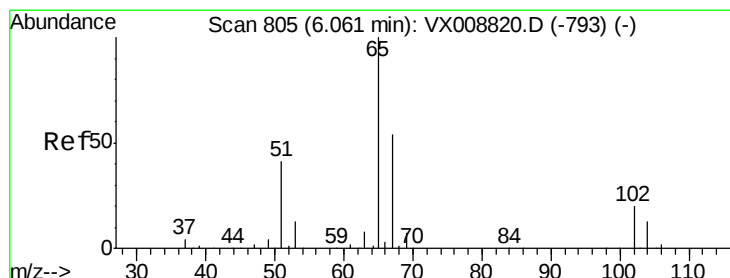
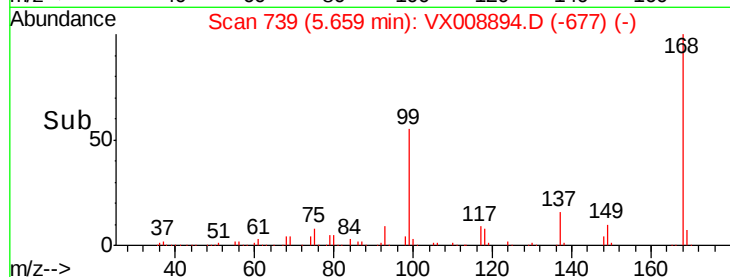
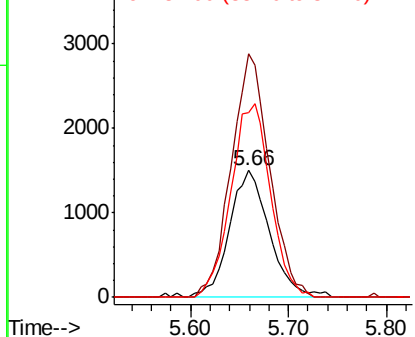
#31
Cvclohexane
Concen: 0.840 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX008894.D
Acq: 12 Apr 2019 18:14

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20190410

Tot Ion: 56 Resp: 4274
Ion Ratio Lower Upper
56 100
69 191.6 22.6 33.8#
84 145.2 59.3 88.9#

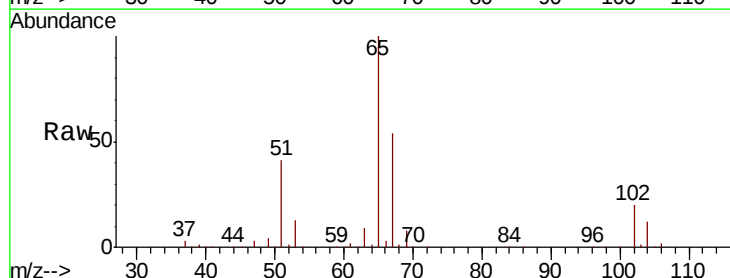


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

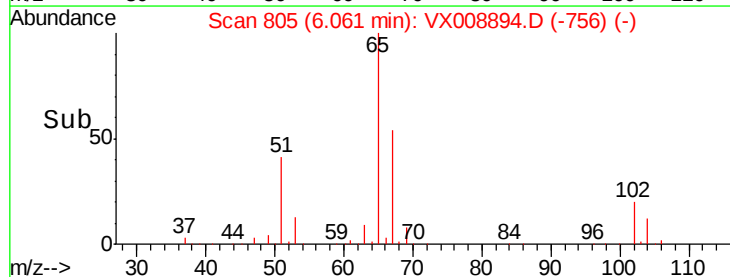
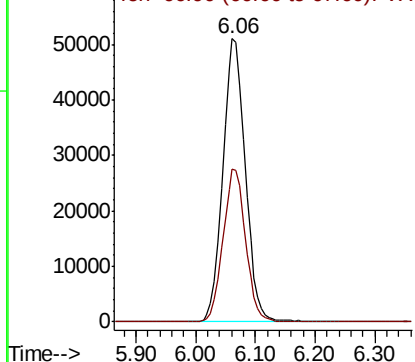


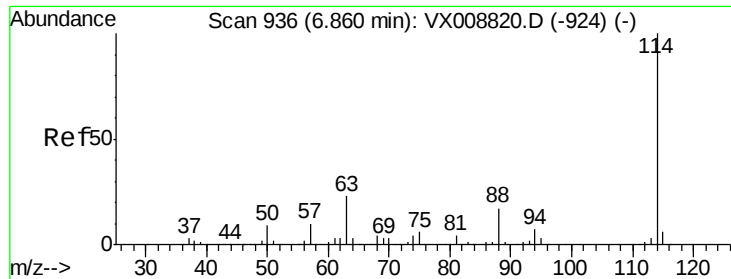
#33
1,2-Dichloroethane-d4
Concen: 45.544 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX008894.D
Acq: 12 Apr 2019 18:14

Tgt Ion: 65 Resp: 134158
Ion Ratio Lower Upper
65 100
67 53.9 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

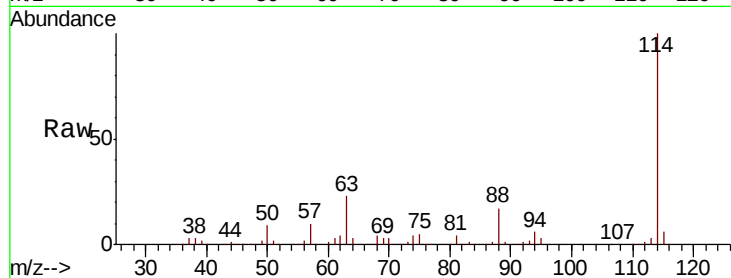




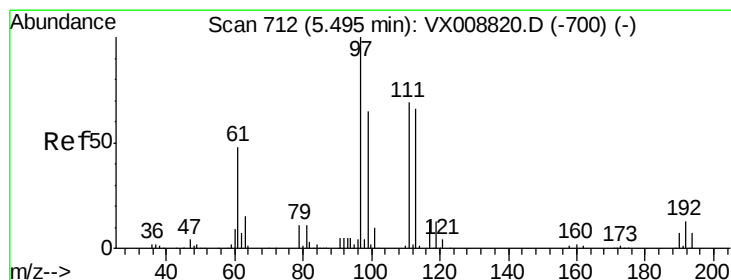
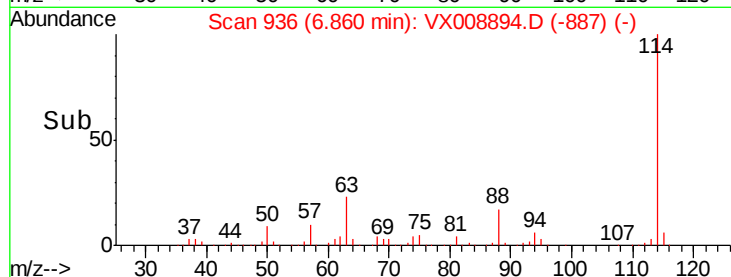
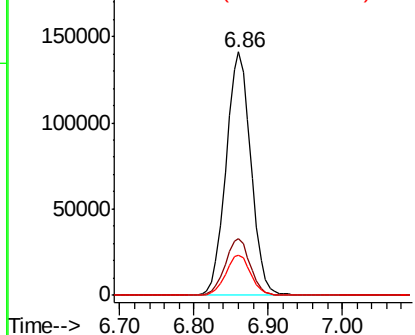
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX008894.D
Acq: 12 Apr 2019 18:14

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20190410

Tot Ion:114 Resp: 328544
Ion Ratio Lower Upper
114 100
63 23.0 0.0 47.2
88 16.5 0.0 34.0

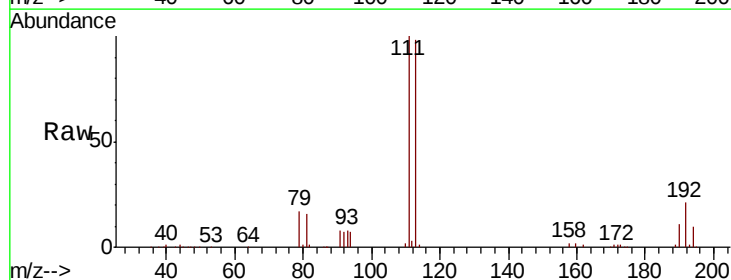


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

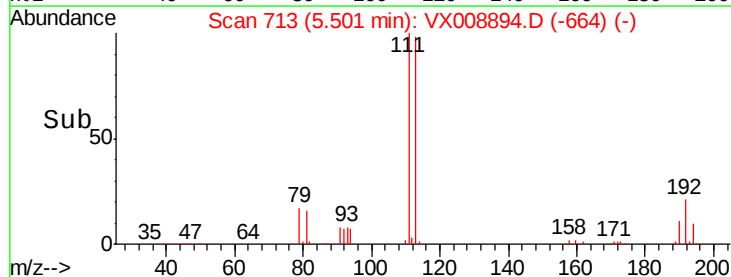
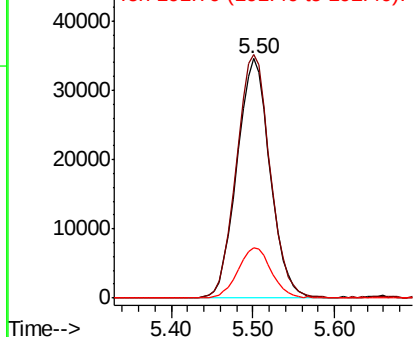


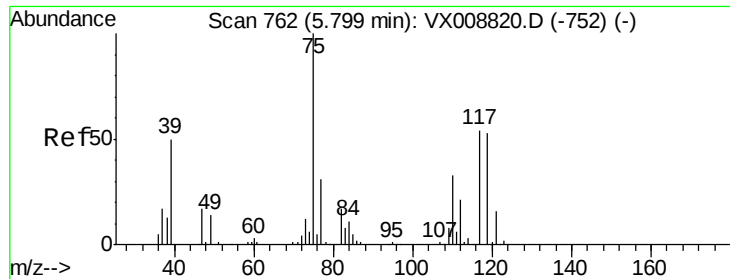
#35
Dibromofluoromethane
Concen: 46.403 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX008894.D
Acq: 12 Apr 2019 18:14

Tgt Ion:113 Resp: 97473
Ion Ratio Lower Upper
113 100
111 103.1 83.4 125.2
192 21.2 16.1 24.1



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: 4.502 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008894.D

Acq: 12 Apr 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20190410

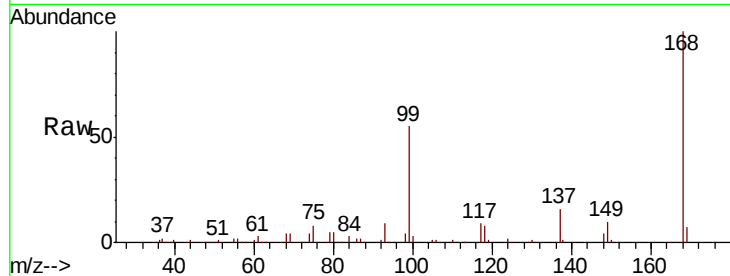
Tot Ion: 75 Resp: 16169

Ion Ratio Lower Upper

75 100

110 8.5 16.4 49.2#

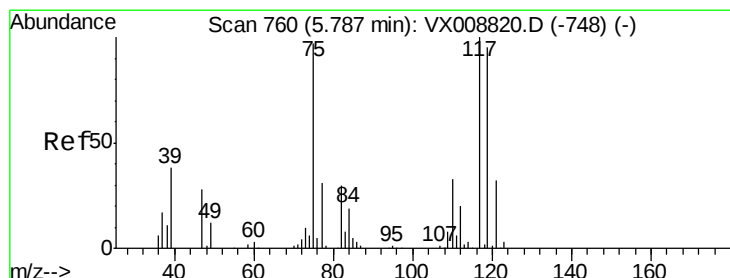
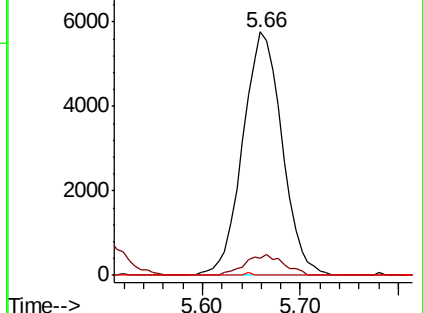
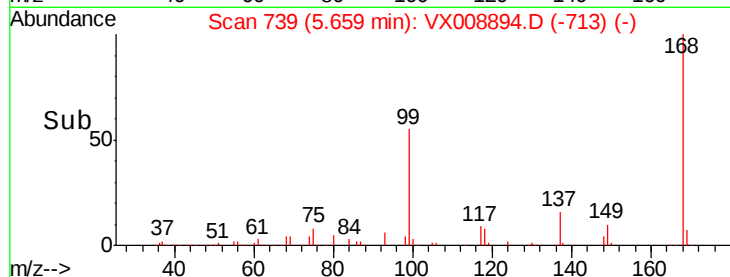
77 0.2 24.7 37.1#



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: 6.369 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008894.D

Acq: 12 Apr 2019 18:14

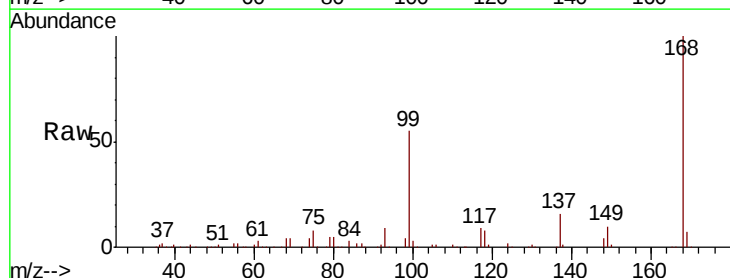
Tgt Ion: 117 Resp: 18931

Ion Ratio Lower Upper

117 100

119 5.8 75.0 112.6#

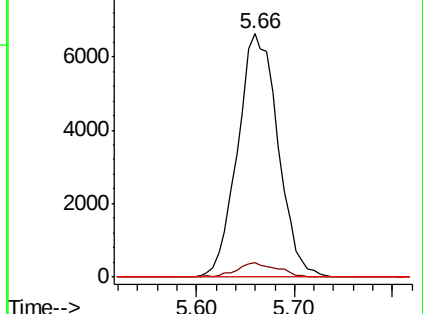
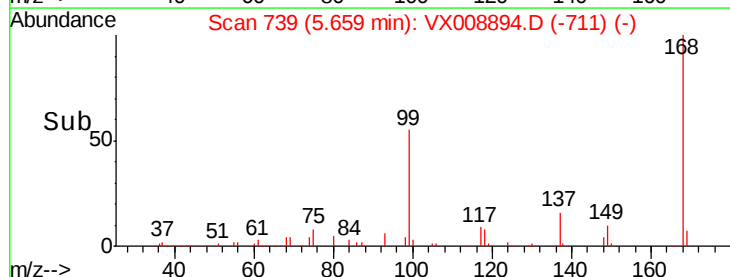
121 0.0 24.3 36.5#

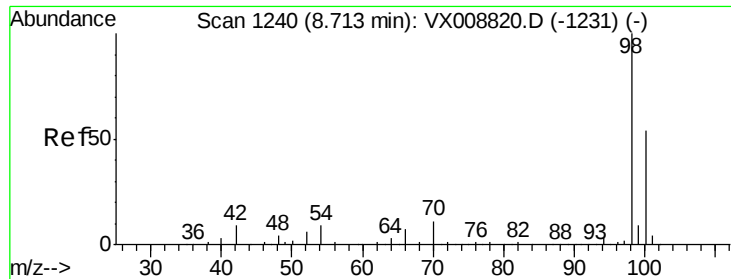


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

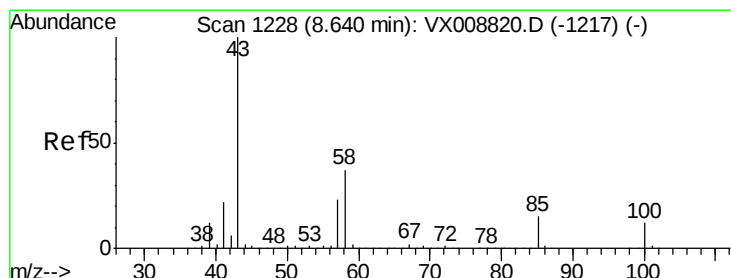
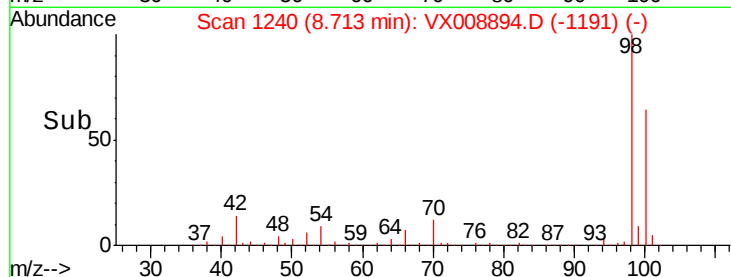
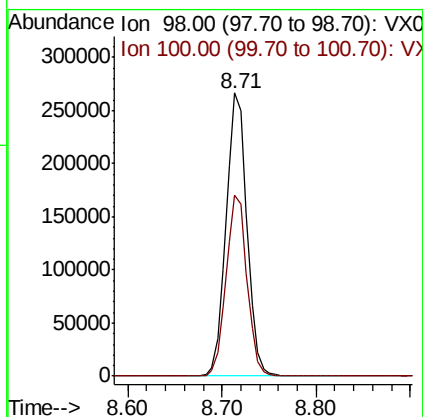
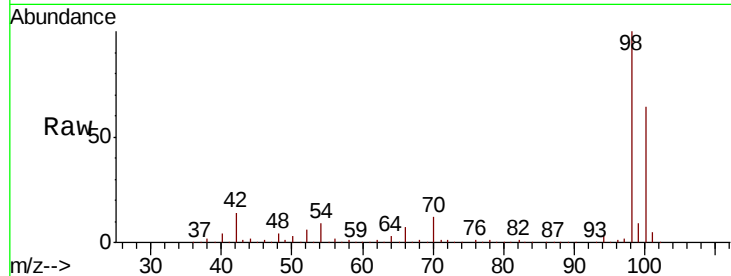




#50
Toluene-d8
Concen: 48.875 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008894.D
Acq: 12 Apr 2019 18:14

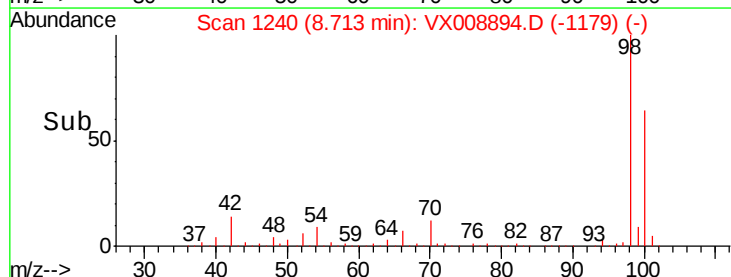
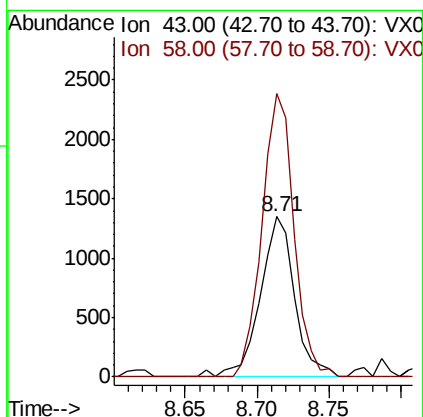
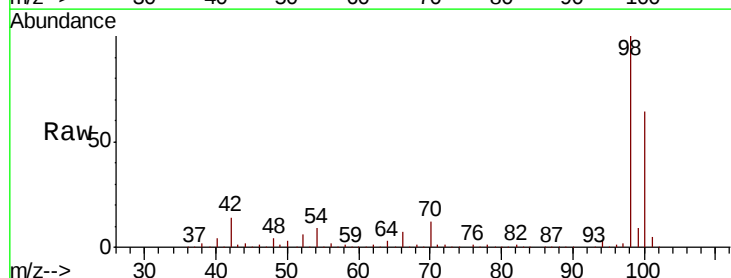
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20190410

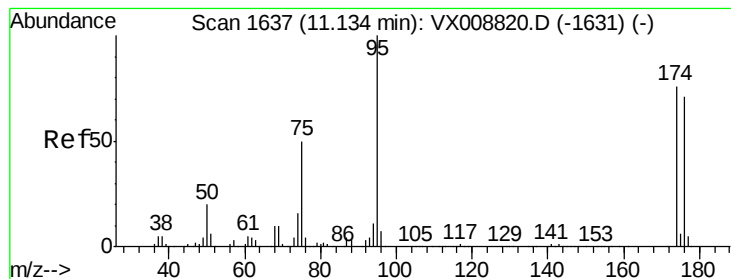
Tot Ion: 98 Resp: 408793
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 0.459 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.07 min
Lab File: VX008894.D
Acq: 12 Apr 2019 18:14

Tgt Ion: 43 Resp: 2218
Ion Ratio Lower Upper
43 100
58 164.3 29.5 44.3#





#62

4-Bromofluorobenzene

Concen: 45.679 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX008894.D

Acq: 12 Apr 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20190410

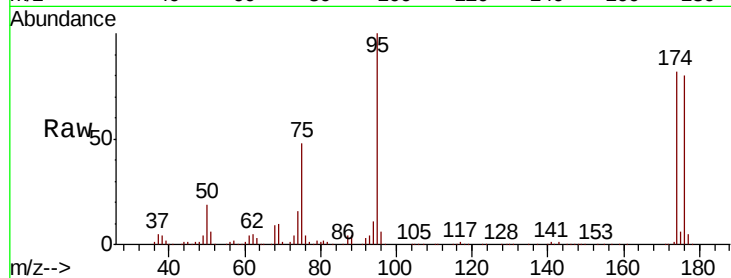
Tot Ion: 95 Resp: 135484

Ion Ratio Lower Upper

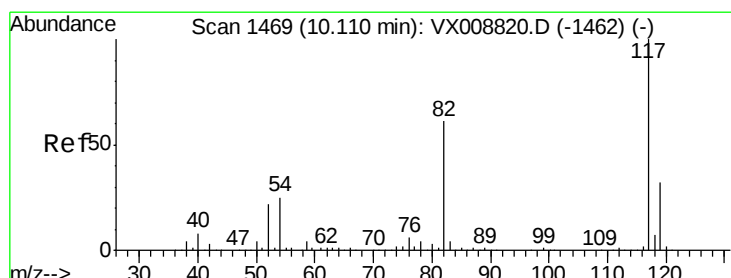
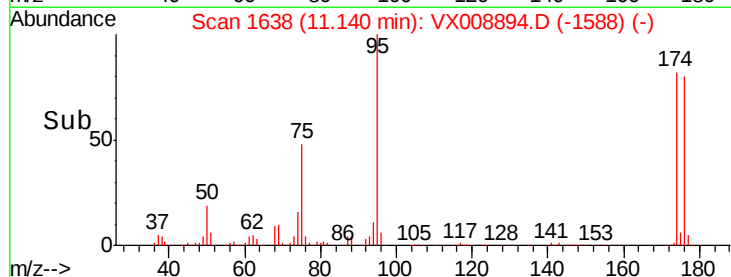
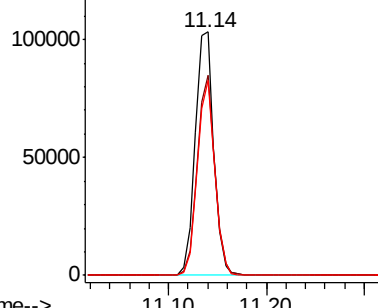
95 100

174 78.2 0.0 151.8

176 75.4 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX008820.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008894.D

Acq: 12 Apr 2019 18:14

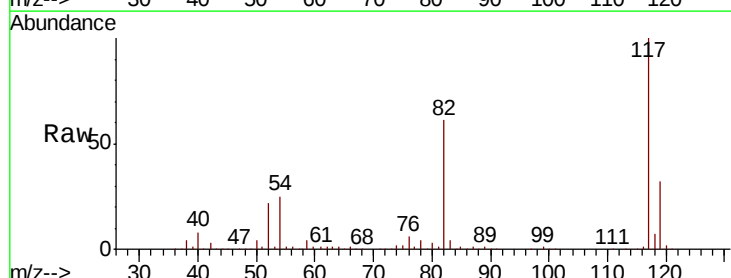
Tgt Ion: 117 Resp: 285395

Ion Ratio Lower Upper

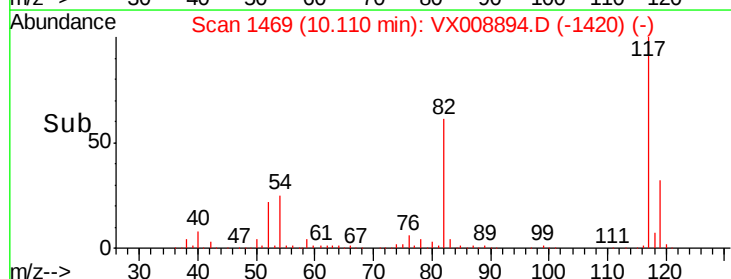
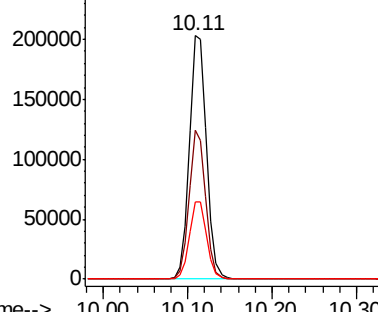
117 100

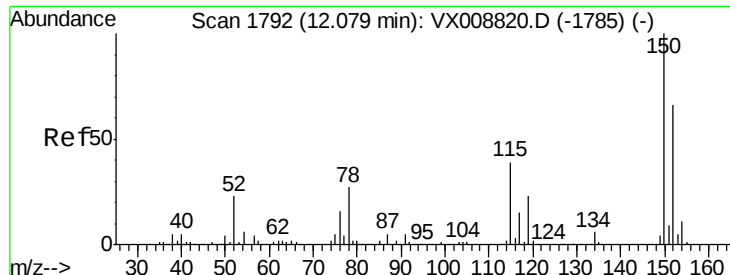
82 61.4 49.6 74.4

119 31.5 25.0 37.4



Abundance Ion 116.90 (116.60 to 117.60): VX008820.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008894.D

Acq: 12 Apr 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20190410

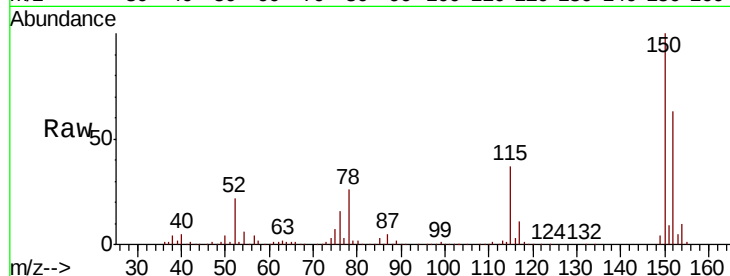
Tot Ion:152 Resp: 119155

Ion Ratio Lower Upper

152 100

115 59.2 43.5 130.5

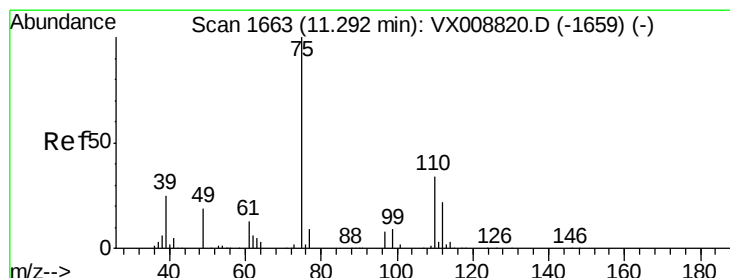
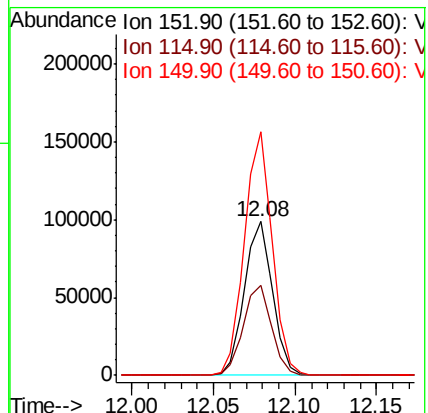
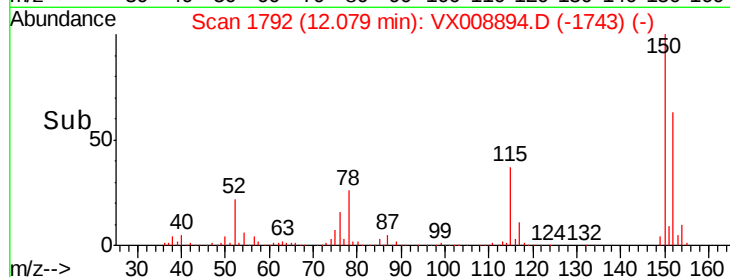
150 156.6 0.0 348.8



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: 20.834 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008894.D

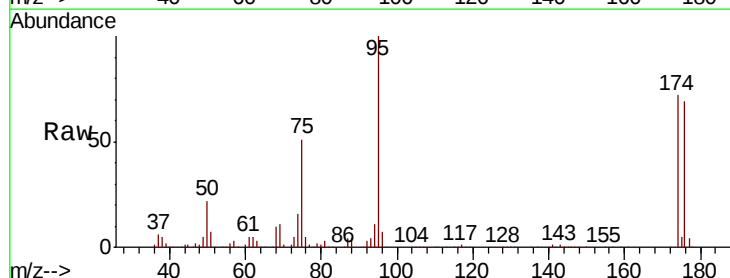
Acq: 12 Apr 2019 18:14

Tgt Ion: 75 Resp: 68196

Ion Ratio Lower Upper

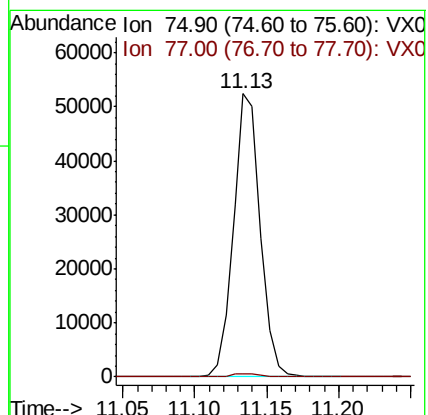
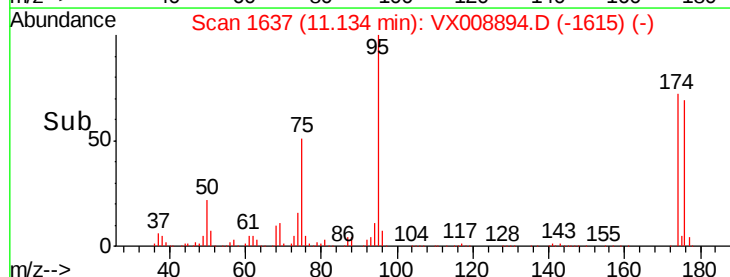
75 100

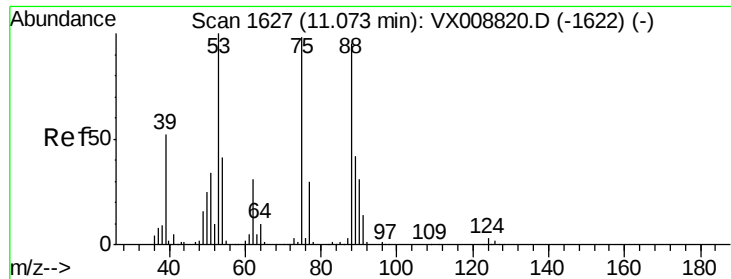
77 1.5 22.3 66.8#



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: 57.430 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008894.D

Acq: 12 Apr 2019 18:14

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20190410

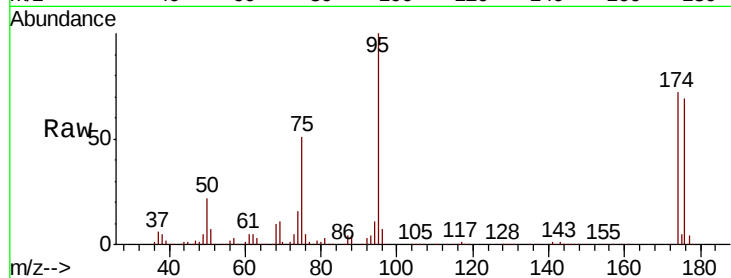
Tot Ion: 75 Resp: 68196

Ion Ratio Lower Upper

75 100

53 0.0 81.3 121.9#

89 0.0 35.6 53.4#



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

