

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031319\
 Data File : VX008048.D
 Acq On : 13 Mar 2019 14:51
 Operator : JC/SP
 Sample : K1793-17DL 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP02-20190306DL

Quant Time: Mar 14 04:17:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	240790	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	371110	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	367464	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	186408	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	124149	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	
35) Dibromofluoromethane	5.50	113	117032	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
50) Toluene-d8	8.71	98	455996	52.30	ug/l	0.00
Spiked Amount			Recovery	=	104.60%	
62) 4-Bromofluorobenzene	11.13	95	175393	57.38	ug/l	0.00
Spiked Amount			Recovery	=	114.76%	

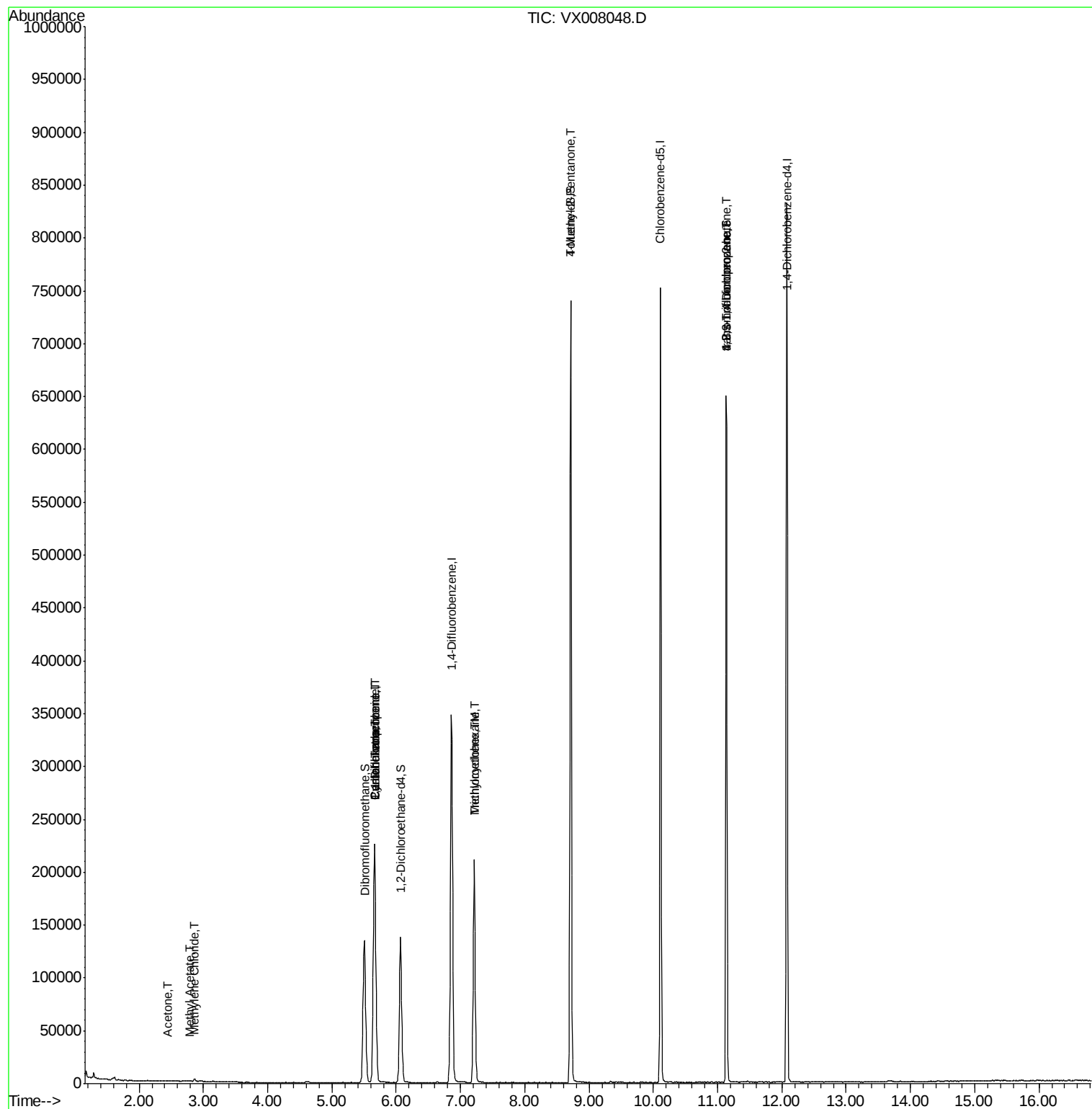
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	233	Below Cal		88
16) Acetone	2.44	43	593	0.403	ug/l #	43
17) Carbon Disulfide	2.57	76	637	Below Cal	#	66
18) Methyl Acetate	2.78	43	645	0.207	ug/l #	68
20) Methylene Chloride	2.86	84	932	0.398	ug/l #	89
31) Cyclohexane	5.66	56	3434	0.880	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14285	4.251	ug/l #	49
38) Carbon Tetrachloride	5.66	117	20134	6.311	ug/l #	16
39) Methylcyclohexane	7.21	83	914	0.224	ug/l #	1
44) Trichloroethene	7.21	130	86220	31.274	ug/l	98
51) 4-Methyl-2-Pentanone	8.71	43	1752	0.462	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	79181	20.242	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	79181	64.705	ug/l #	11

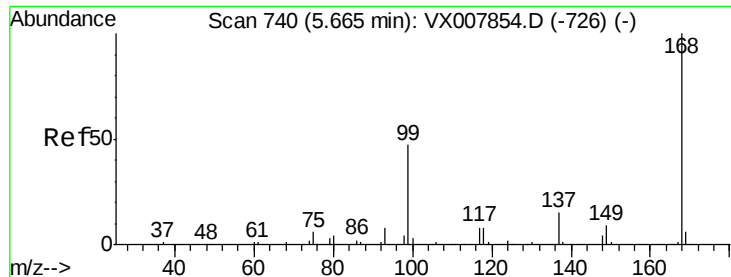
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX008048.D

Acq: 13 Mar 2019 14:51

Instrument :

MSVOA_X

ClientSampleId :

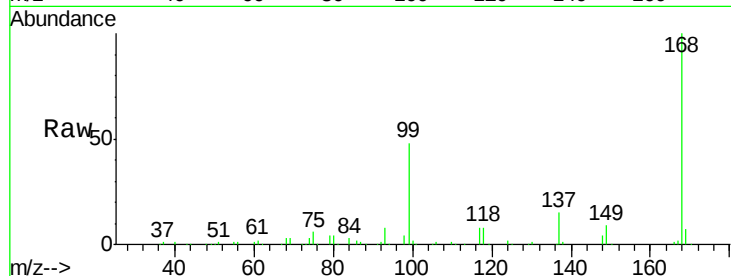
DUP02-20190306DL

Tot Ion:168 Resp: 240790

Ion Ratio Lower Upper

168 100

99 47.9 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

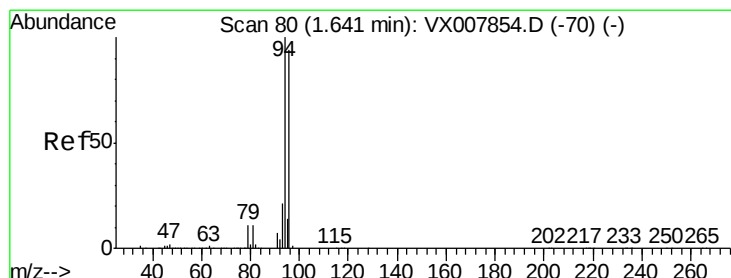
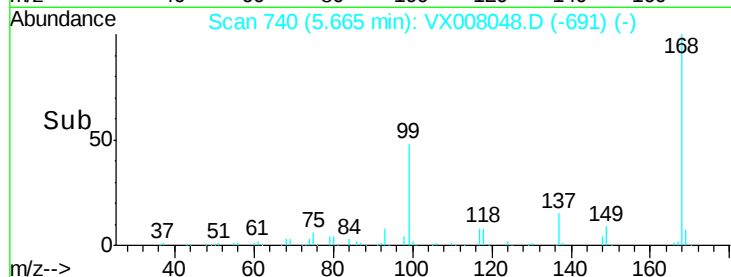
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008048.D

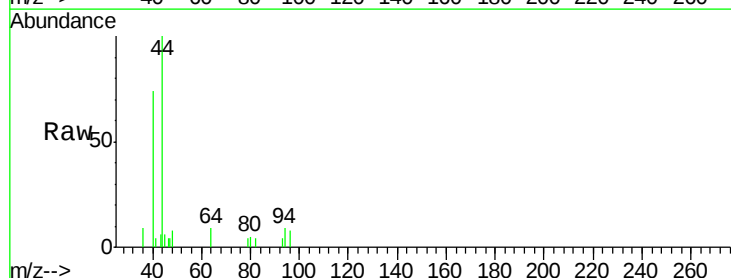
Acq: 13 Mar 2019 14:51

Tgt Ion: 94 Resp: 233

Ion Ratio Lower Upper

94 100

96 83.1 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

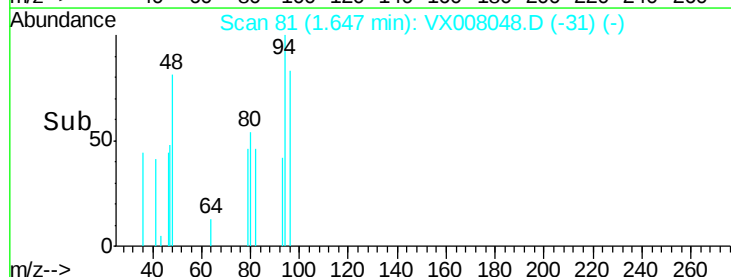
150

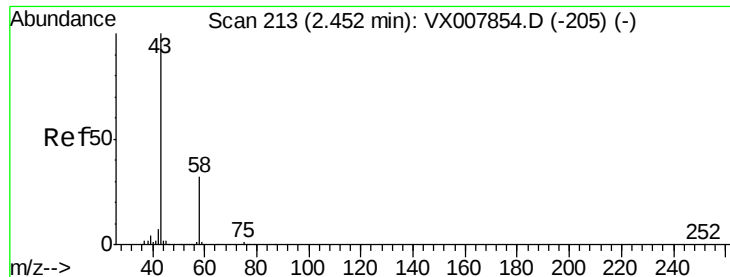
100

50

0

Time--> 1.60 1.65 1.70





#16

Acetone

Concen: 0.403 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008048.D

Acq: 13 Mar 2019 14:51

Instrument :

MSVOA_X

ClientSampleId :

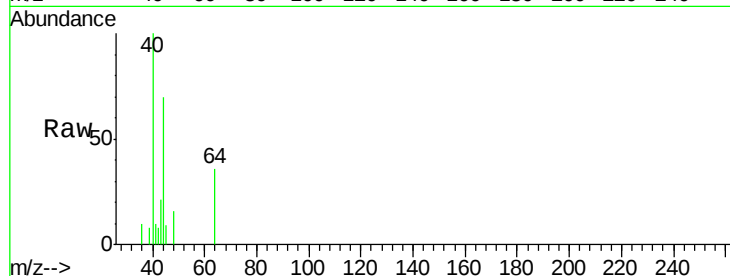
DUP02-20190306DL

Tot Ion: 43 Resp: 593

Ion Ratio Lower Upper

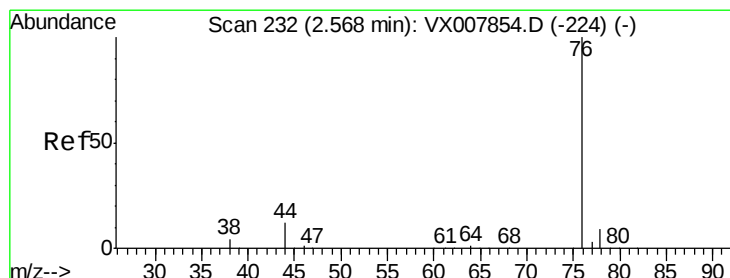
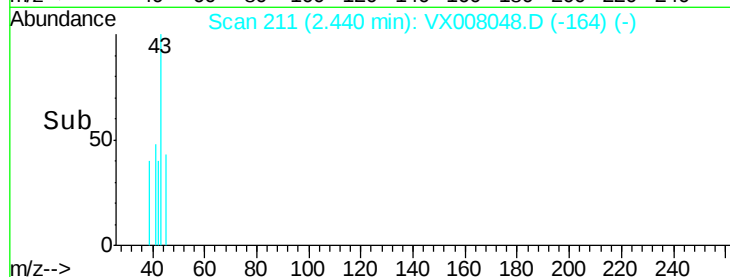
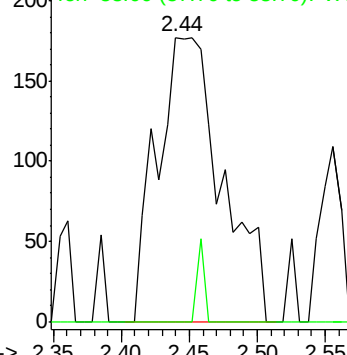
43 100

58 0.0 25.5 38.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008048.D

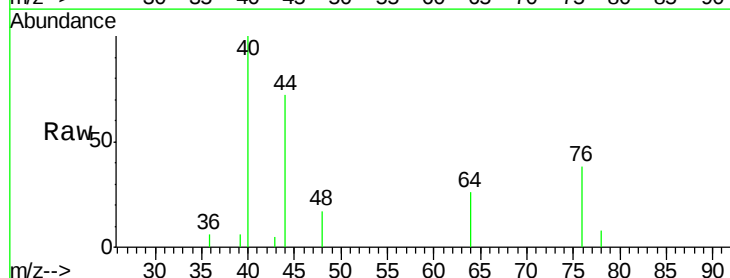
Acq: 13 Mar 2019 14:51

Tgt Ion: 76 Resp: 637

Ion Ratio Lower Upper

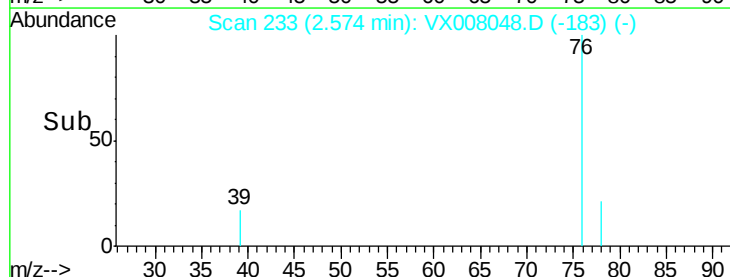
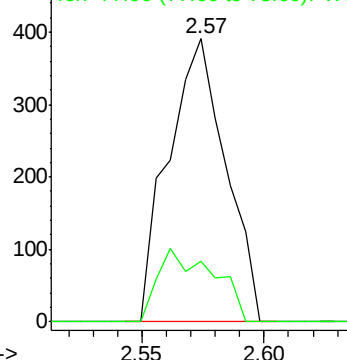
76 100

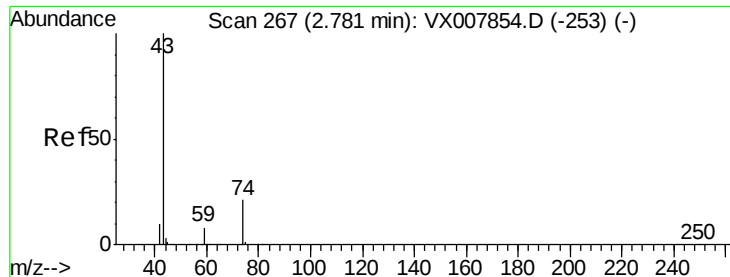
78 21.2 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

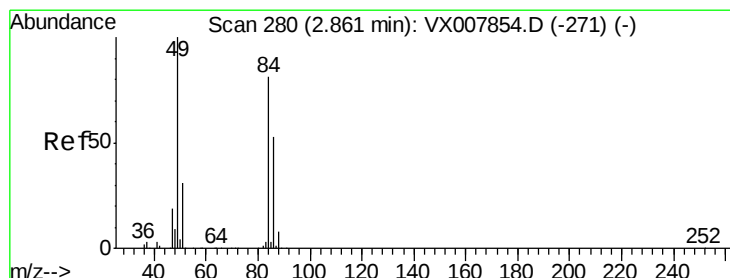
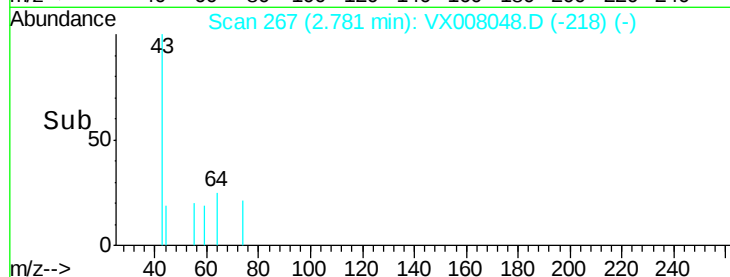
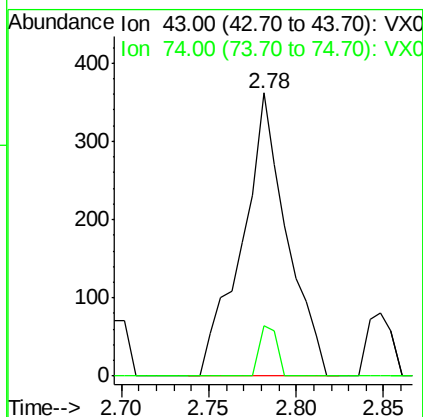
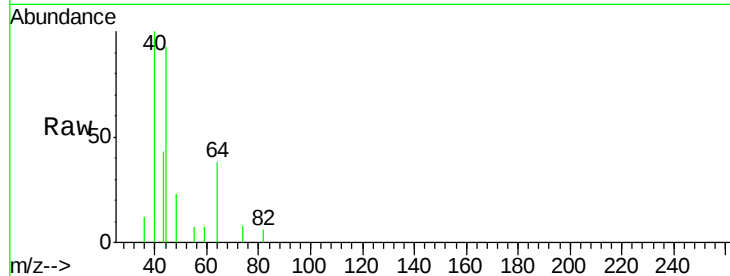




#18
Methyl Acetate
Concen: 0.207 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX008048.D
Acq: 13 Mar 2019 14:51

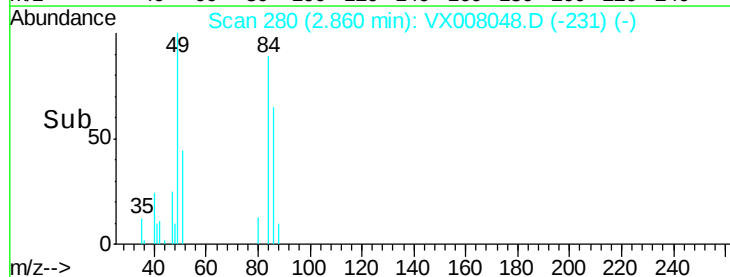
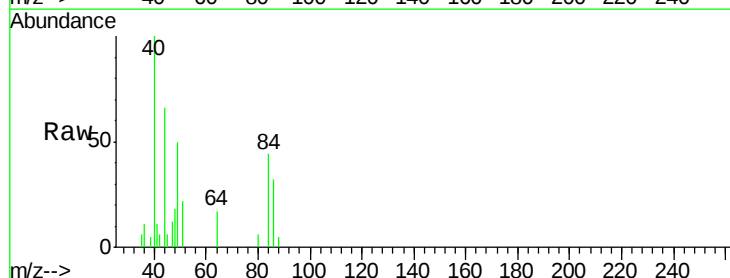
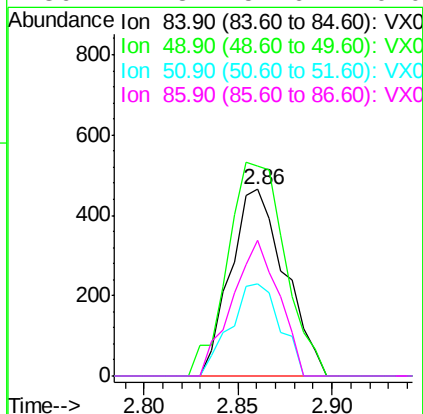
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20190306DL

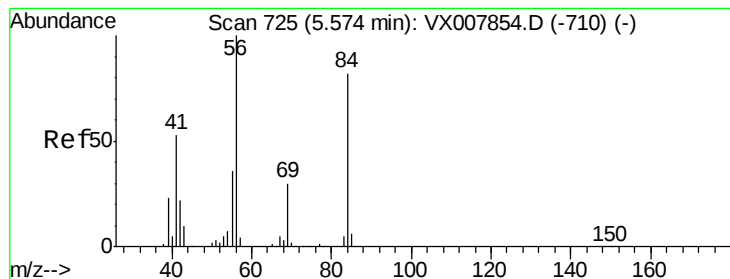
Tot Ion: 43 Resp: 645
Ion Ratio Lower Upper
43 100
74 7.0 17.8 26.6#



#20
Methylene Chloride
Concen: 0.398 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX008048.D
Acq: 13 Mar 2019 14:51

Tgt Ion: 84 Resp: 932
Ion Ratio Lower Upper
84 100
49 112.9 99.3 148.9
51 49.1 31.3 46.9#
86 72.8 52.6 79.0





#31

Cyclohexane

Concen: 0.880 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX008048.D

Acq: 13 Mar 2019 14:51

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20190306DL

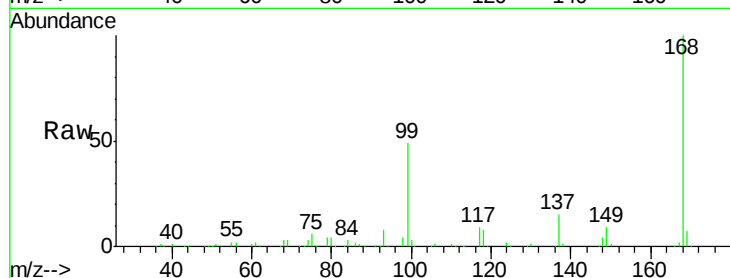
Tot Ion: 56 Resp: 3434

Ion Ratio Lower Upper

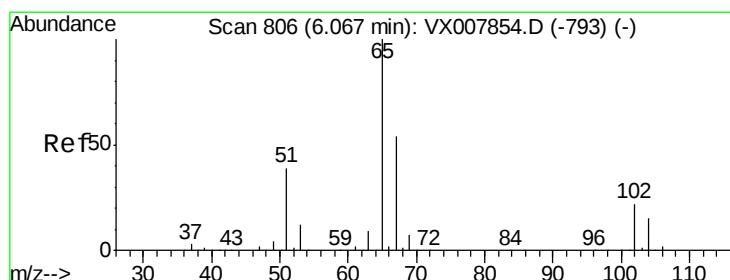
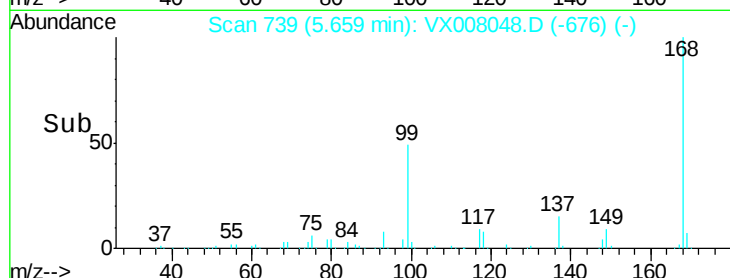
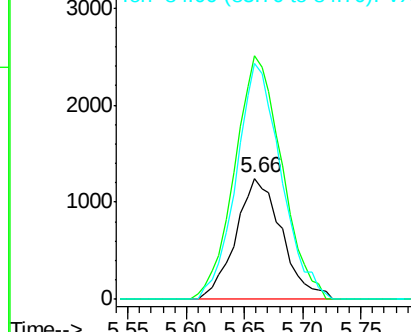
56 100

69 200.7 24.0 36.0#

84 195.0 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: 48.876 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX008048.D

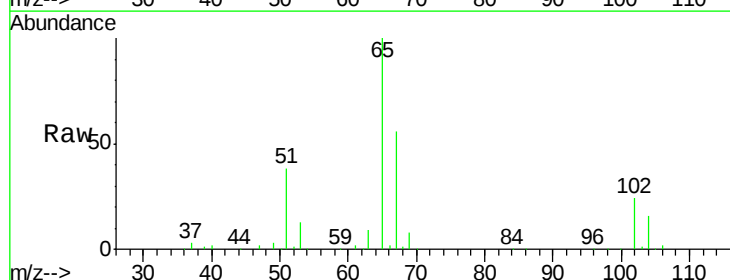
Acq: 13 Mar 2019 14:51

Tgt Ion: 65 Resp: 124149

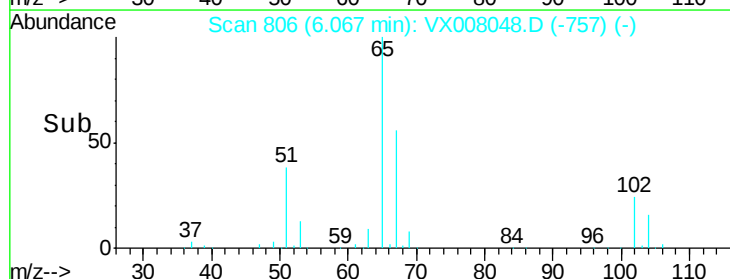
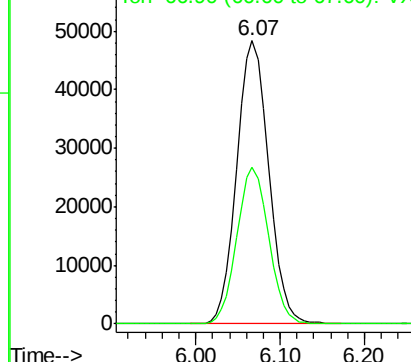
Ion Ratio Lower Upper

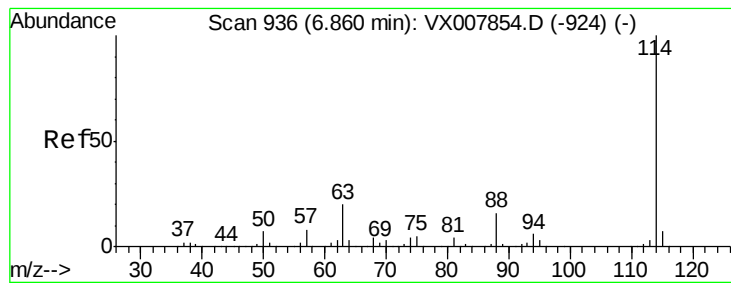
65 100

67 55.1 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: VX008048.D

Acq: 13 Mar 2019 14:51

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20190306DL

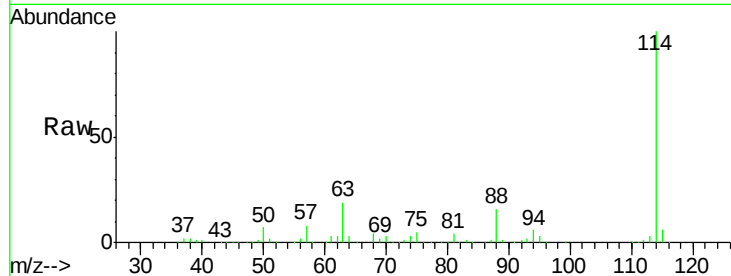
Tot Ion:114 Resp: 371110

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.8

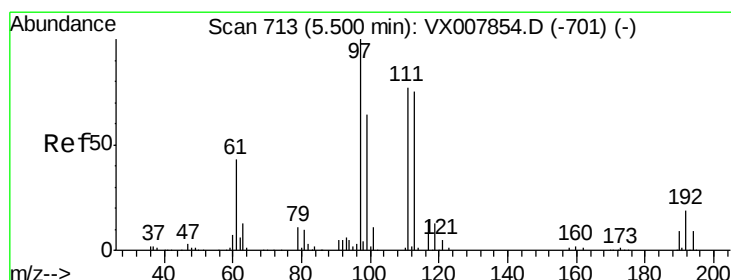
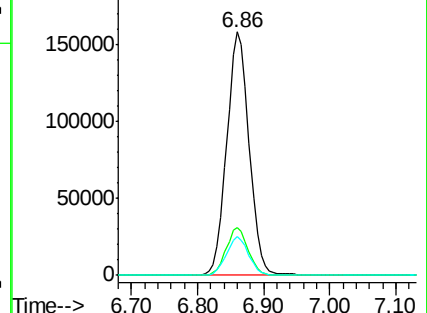
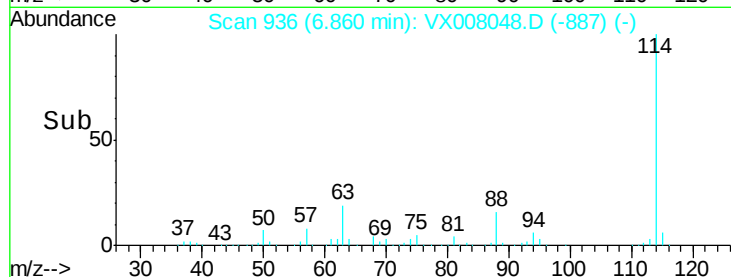
88 15.7 0.0 31.4



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: 49.300 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008048.D

Acq: 13 Mar 2019 14:51

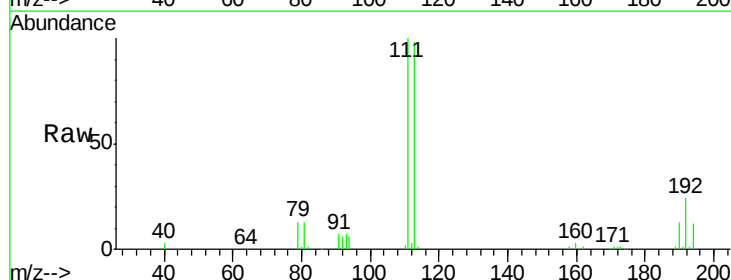
Tgt Ion:113 Resp: 117032

Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.0

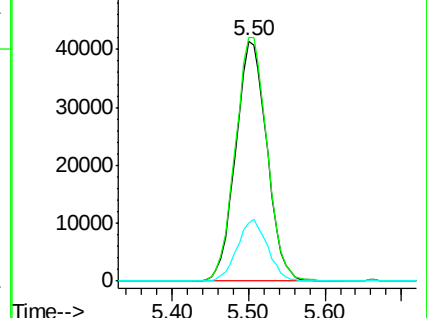
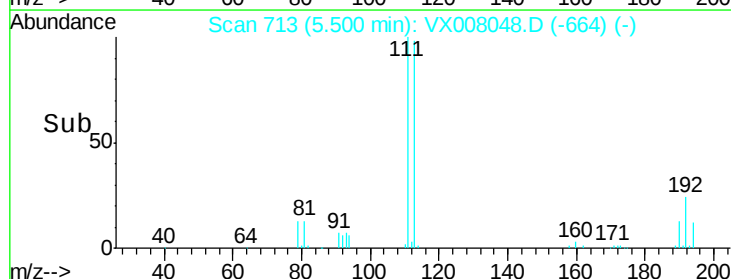
192 24.8 19.4 29.0

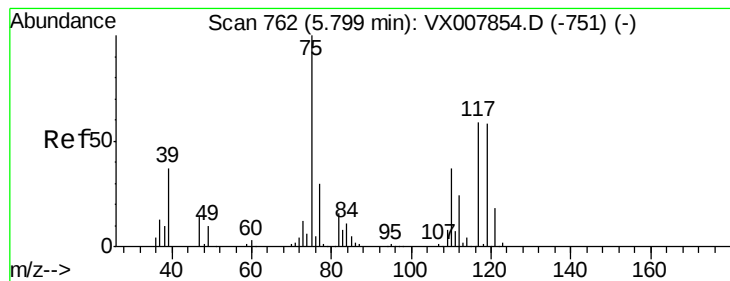


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.251 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008048.D

Acq: 13 Mar 2019 14:51

Instrument :

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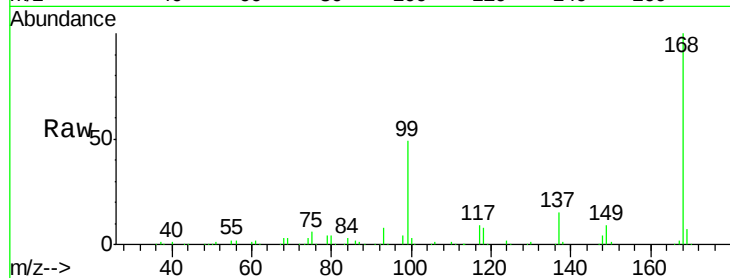
Tot Ion: 75 Resp: 14285

Ion Ratio Lower Upper

75 100

110 9.0 18.4 55.0#

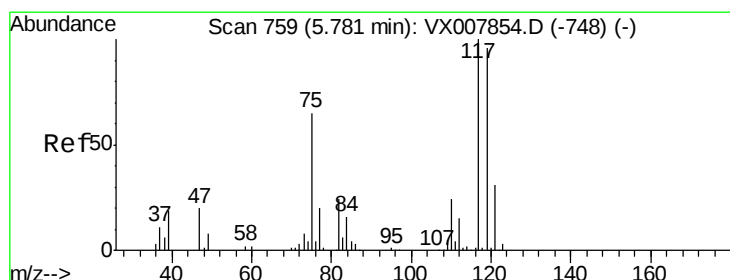
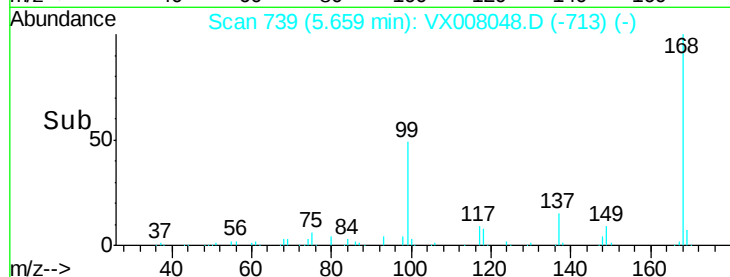
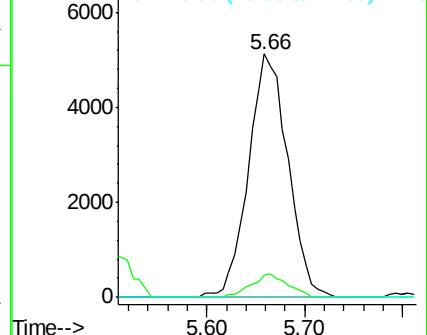
77 0.0 25.0 37.4#



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



#38

Carbon Tetrachloride

Concen: 6.311 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX008048.D

Acq: 13 Mar 2019 14:51

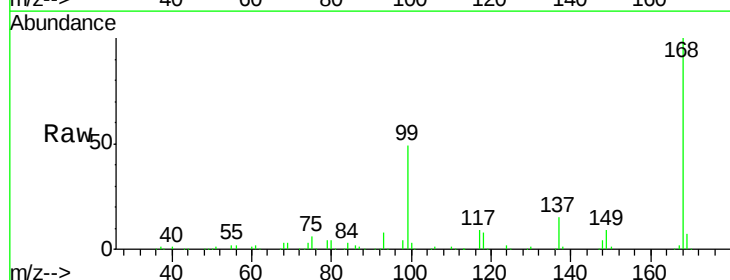
Tgt Ion:117 Resp: 20134

Ion Ratio Lower Upper

117 100

119 4.8 76.2 114.2#

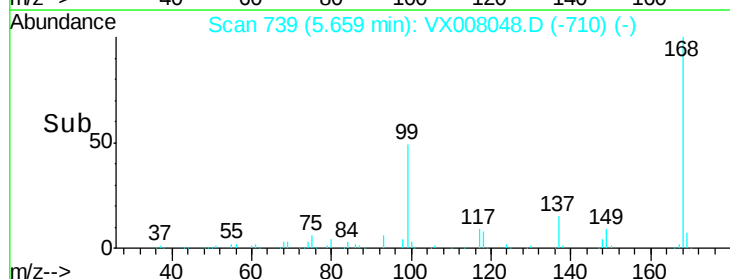
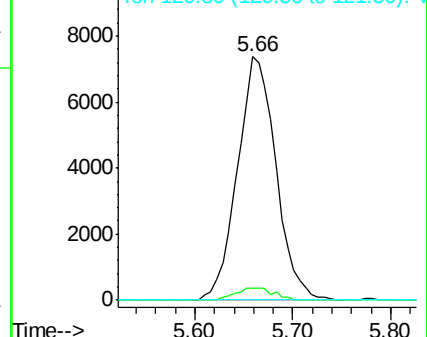
121 0.0 24.6 36.8#

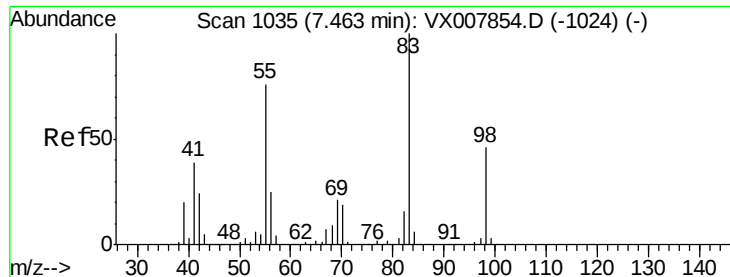


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

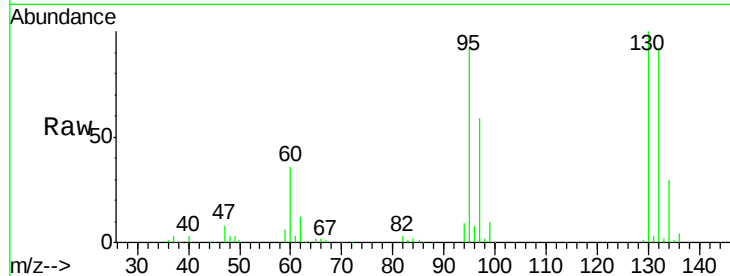




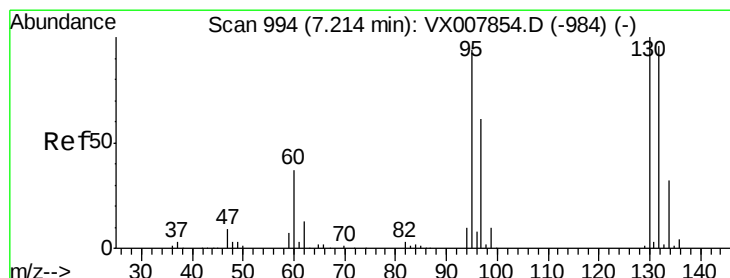
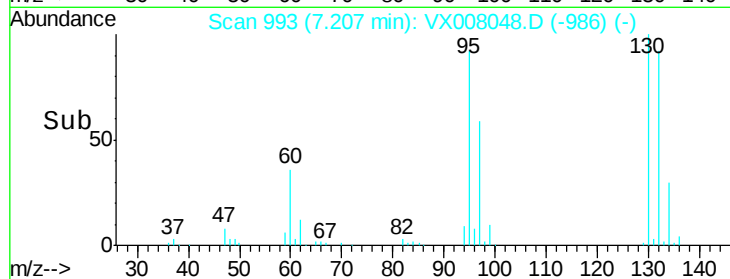
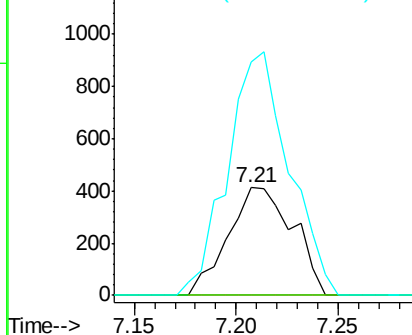
#39
Methvlcvclohexane
Concen: 0.224 ug/l
RT: 7.21 min Scan# 993
Delta R.T. -0.26 min
Lab File: VX008048.D
Acq: 13 Mar 2019 14:51

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20190306DL

Tot Ion: 83 Resp: 914
Ion Ratio Lower Upper
83 100
55 0.0 60.4 90.6#
98 217.2 36.5 54.7#

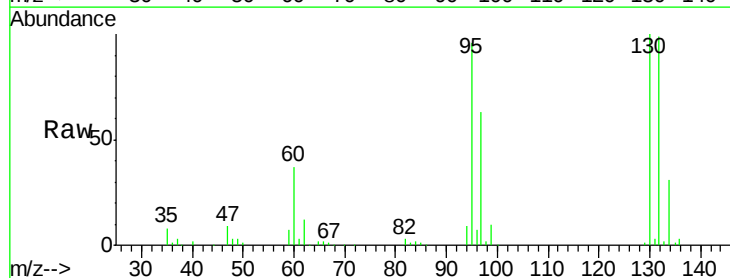


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

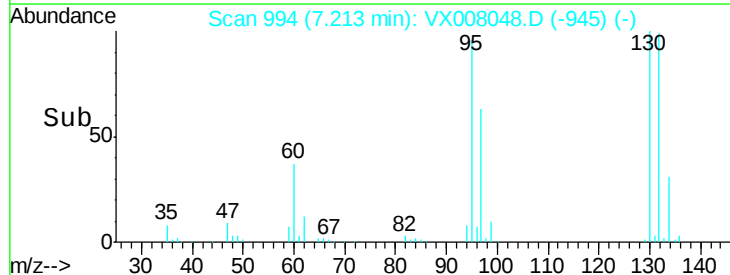
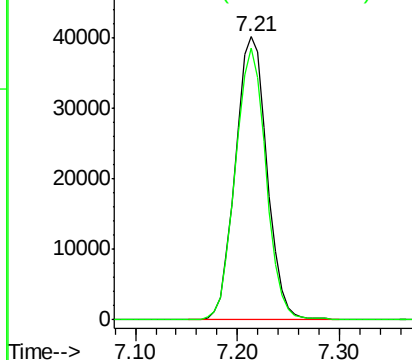


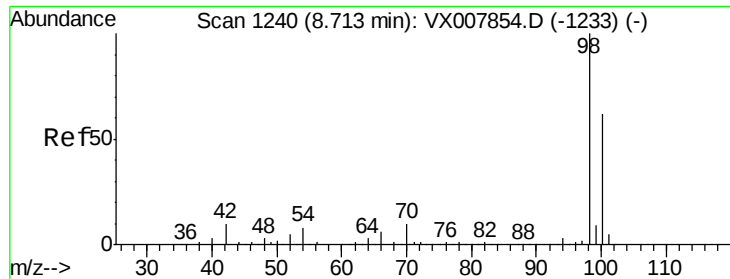
#44
Trichloroethene
Concen: 31.274 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX008048.D
Acq: 13 Mar 2019 14:51

Tgt Ion:130 Resp: 86220
Ion Ratio Lower Upper
130 100
95 96.2 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: 52.304 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008048.D

Acq: 13 Mar 2019 14:51

Instrument :

MSVOA_X

ClientSampleId :

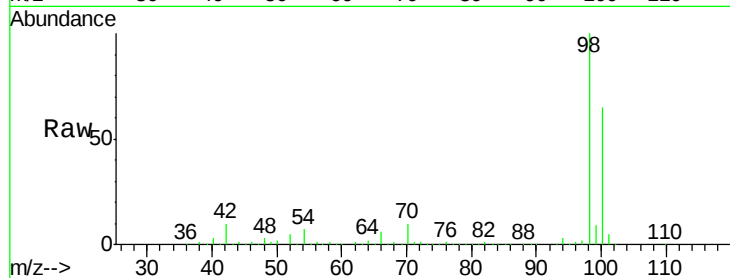
DUP02-20190306DL

Tot Ion: 98 Resp: 455996

Ion Ratio Lower Upper

98 100

100 65.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

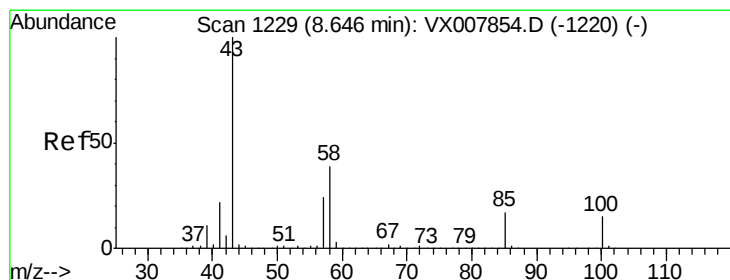
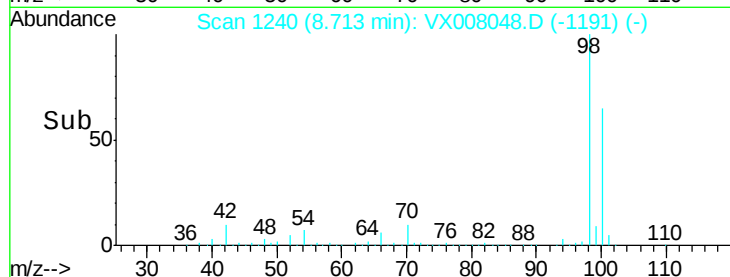
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.462 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.07 min

Lab File: VX008048.D

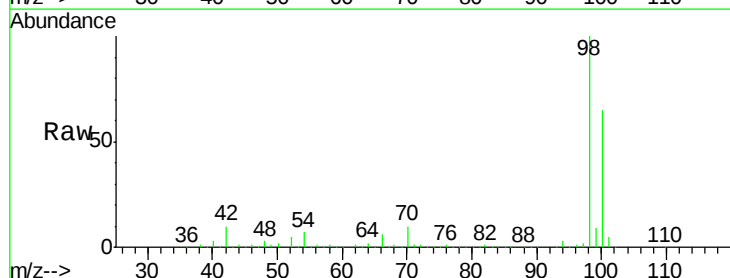
Acq: 13 Mar 2019 14:51

Tgt Ion: 43 Resp: 1752

Ion Ratio Lower Upper

43 100

58 197.2 31.3 46.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2500

2000

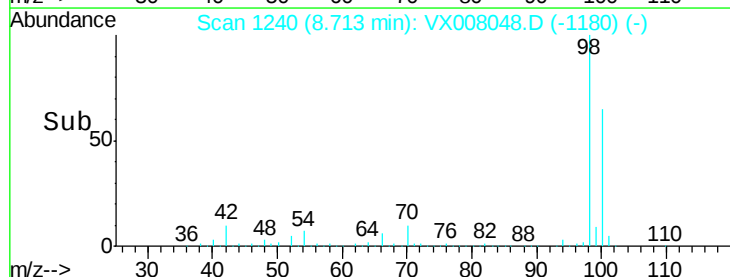
1500

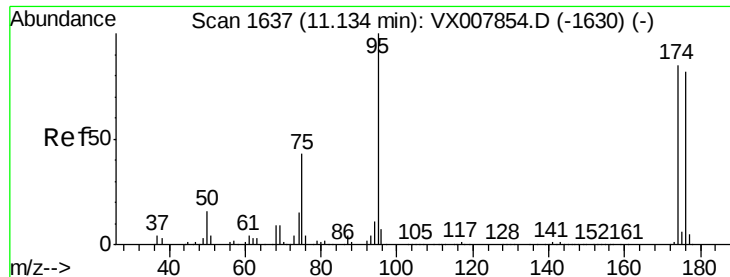
1000

500

0

Time-->





#62

4-Bromofluorobenzene

Concen: 57.382 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008048.D

Acq: 13 Mar 2019 14:51

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20190306DL

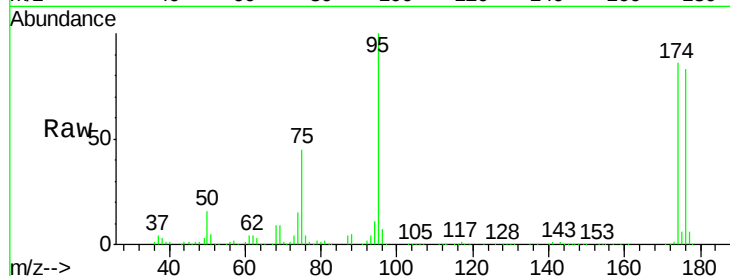
Tot Ion: 95 Resp: 175393

Ion Ratio Lower Upper

95 100

174 93.1 0.0 182.8

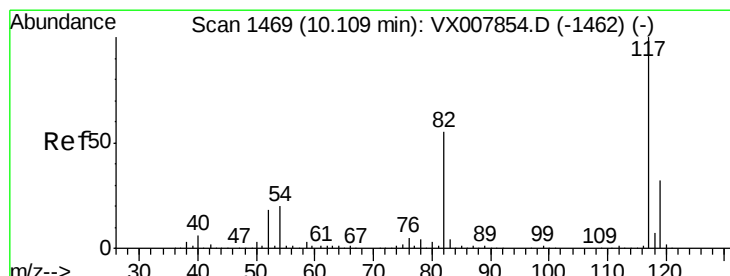
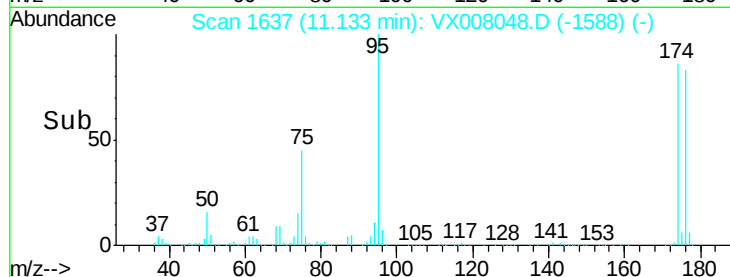
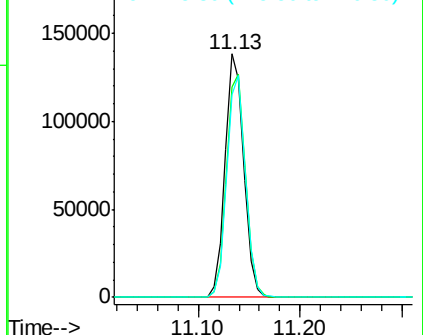
176 90.7 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX007854.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX007854.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX007854.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008048.D

Acq: 13 Mar 2019 14:51

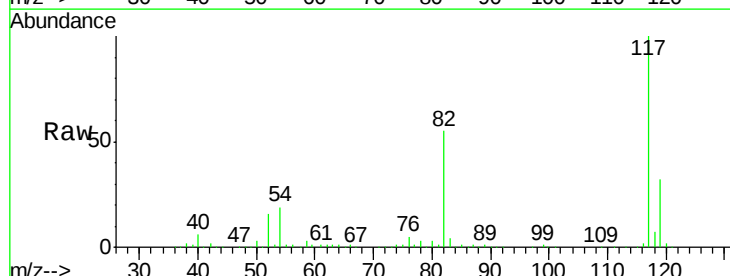
Tgt Ion: 117 Resp: 367464

Ion Ratio Lower Upper

117 100

82 54.8 44.3 66.5

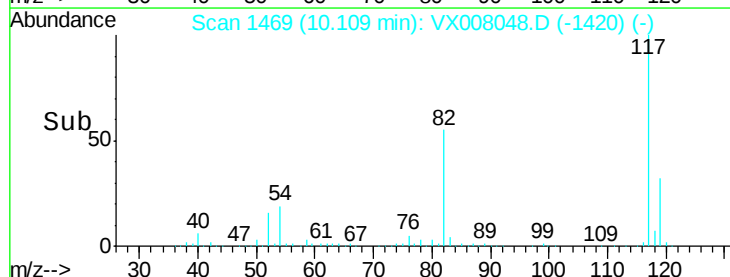
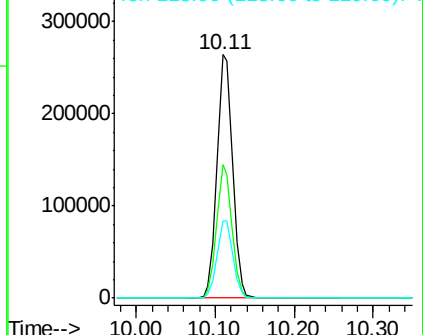
119 31.8 25.3 37.9

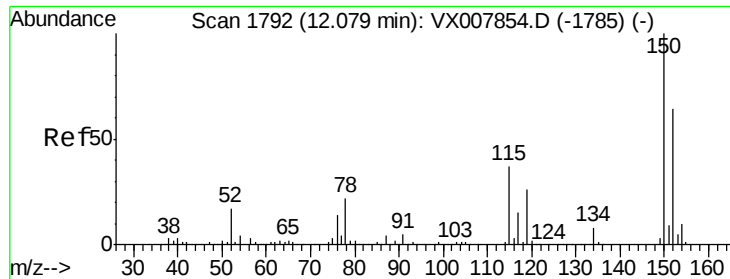


Abundance Ion 116.90 (116.60 to 117.60): VX007854.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX007854.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX007854.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: VX008048.D

Acq: 13 Mar 2019 14:51

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20190306DL

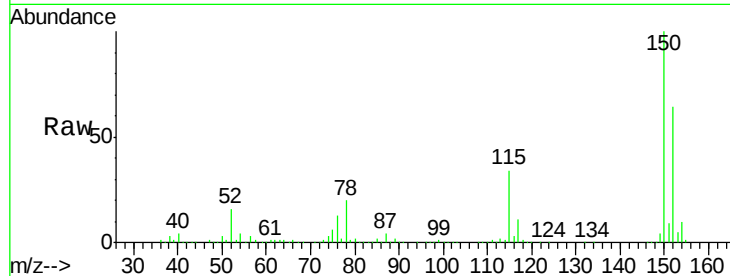
Tot Ion:152 Resp: 186408

Ion Ratio Lower Upper

152 100

115 54.4 38.6 115.7

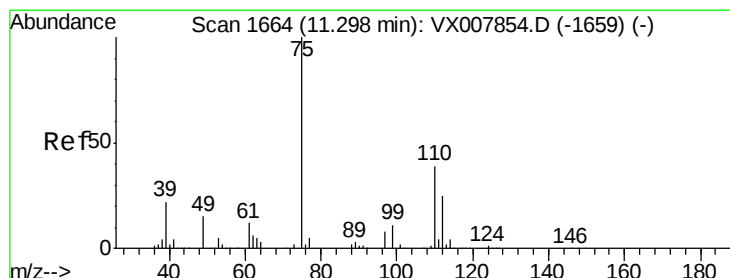
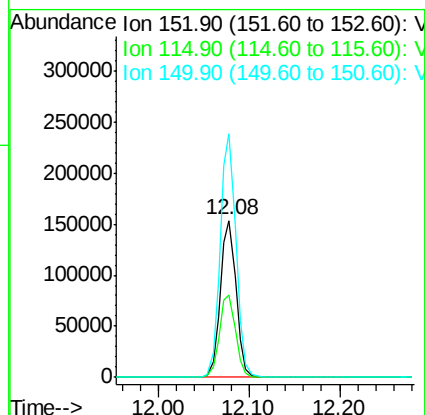
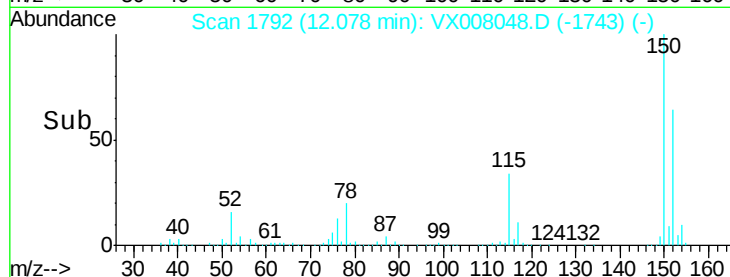
150 155.3 0.0 348.4



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: 20.242 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008048.D

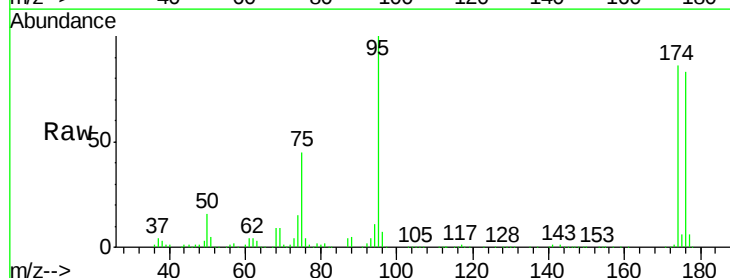
Acq: 13 Mar 2019 14:51

Tgt Ion: 75 Resp: 79181

Ion Ratio Lower Upper

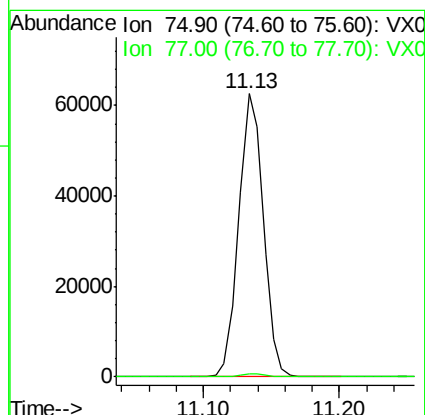
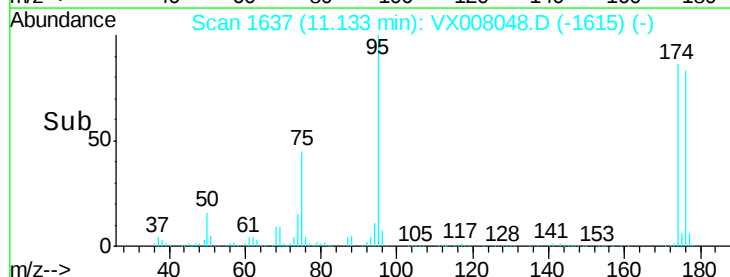
75 100

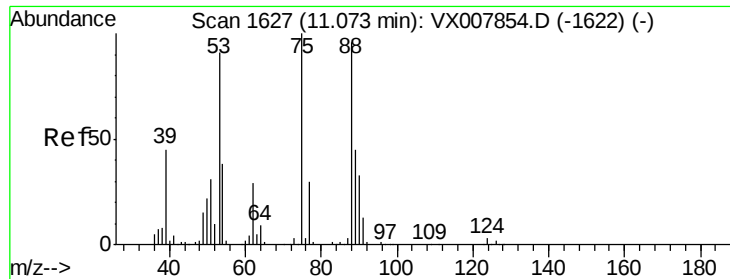
77 1.3 18.9 56.7#



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: 64.705 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008048.D

Acq: 13 Mar 2019 14:51

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20190306DL

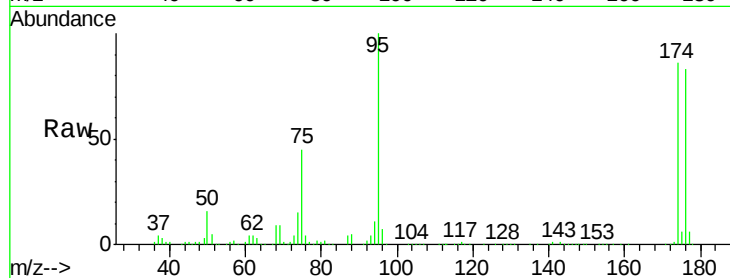
Tot Ion: 75 Resp: 79181

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

