

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041219\
 Data File : VX008893.D
 Acq On : 12 Apr 2019 17:51
 Operator : JC/SP
 Sample : K2366-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP01-20190409

Quant Time: Apr 13 05:00:08 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	193965	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	311251	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	267793	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	114153	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	128535	45.43	ug/l	0.00
Spiked Amount			Recovery	=	90.86%	
35) Dibromofluoromethane	5.50	113	93144	46.81	ug/l	0.00
Spiked Amount			Recovery	=	93.62%	
50) Toluene-d8	8.71	98	389033	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	
62) 4-Bromofluorobenzene	11.13	95	128412	45.70	ug/l	0.00
Spiked Amount			Recovery	=	91.40%	

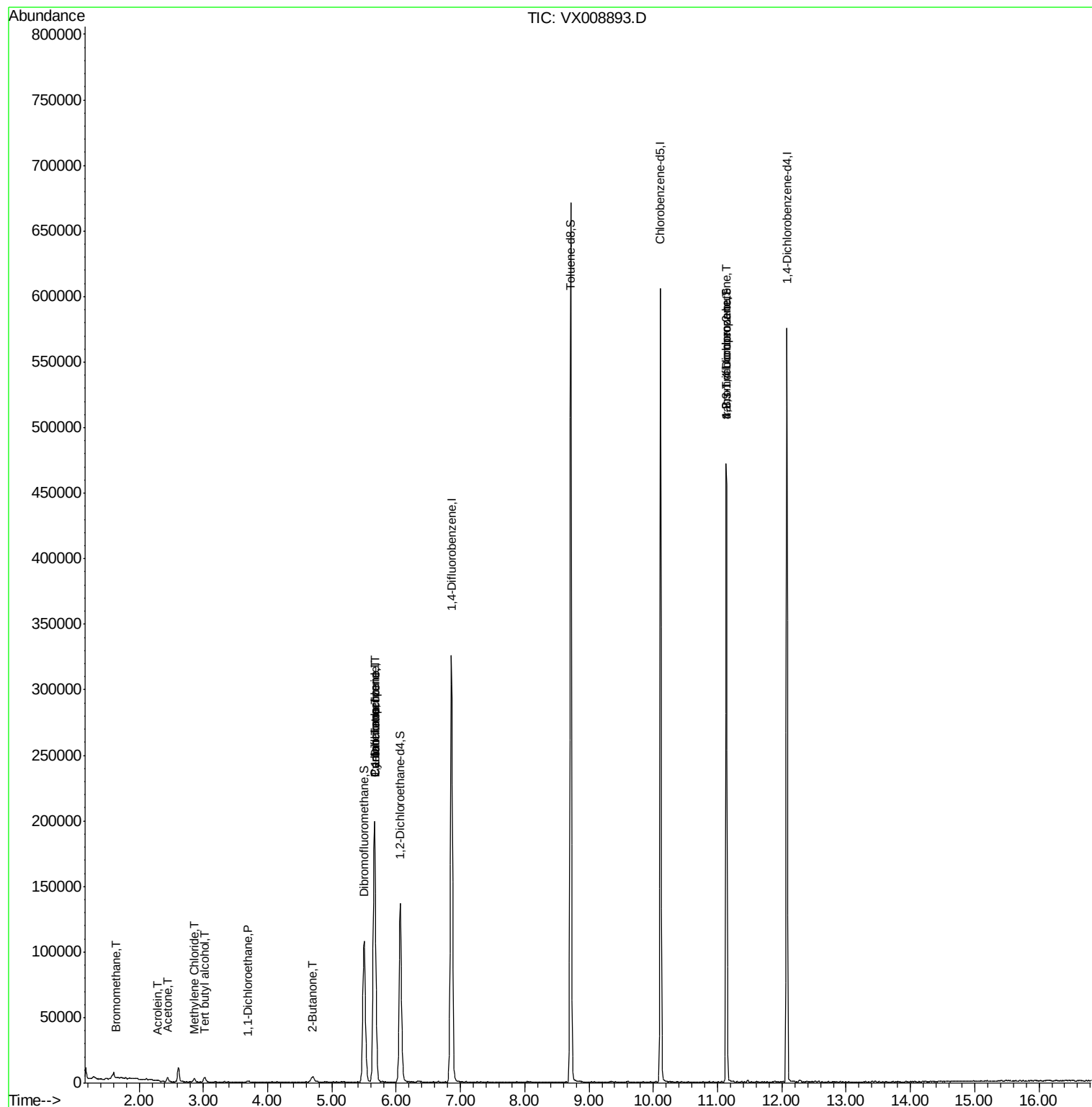
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	413	Below Cal		97
5) Bromomethane	1.64	94	113	1.958 ug/l #		66
6) Chloroethane	1.68	64	309	Below Cal		89
11) Tert butyl alcohol	3.02	59	2378	3.590 ug/l #		72
13) Acrolein	2.29	56	67	0.204 ug/l #		13
16) Acetone	2.44	43	4446	2.728 ug/l		92
17) Carbon Disulfide	2.57	76	564	Below Cal #		58
20) Methylene Chloride	2.85	84	1149	0.421 ug/l		94
24) 1,1-Dichloroethane	3.70	63	1167	0.238 ug/l #		84
25) 2-Butanone	4.70	43	562	0.218 ug/l #		53
28) Bromochloromethane	5.05	49	21	Below Cal #		22
31) Cyclohexane	5.66	56	4436	0.908 ug/l #		1
36) 1,1-Dichloropropene	5.67	75	15388	4.523 ug/l #		50
38) Carbon Tetrachloride	5.66	117	18338	6.512 ug/l #		17
76) 1,2,3-Trichloropropane	11.13	75	65159	20.778 ug/l #		34
81) trans-1,4-Dichloro-2-buten	11.13	75	65159	57.277 ug/l #		9

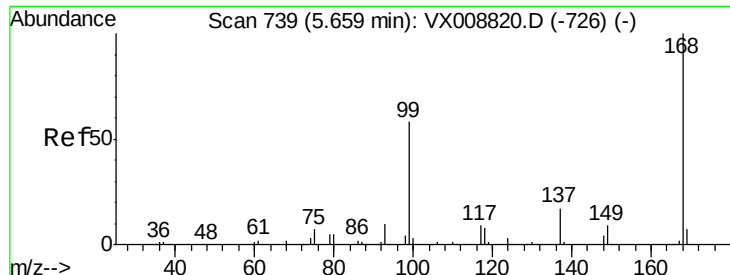
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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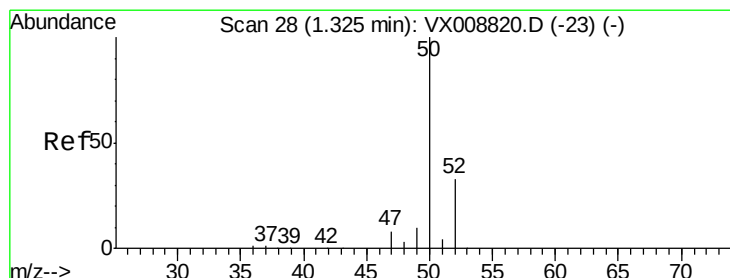
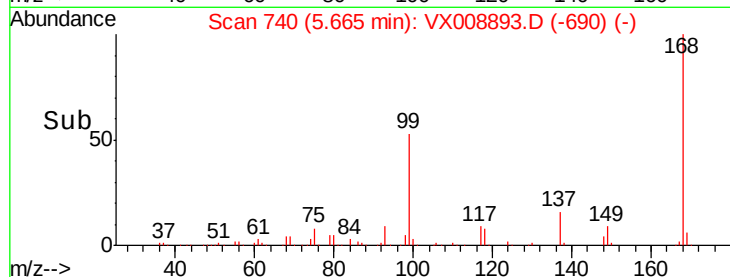
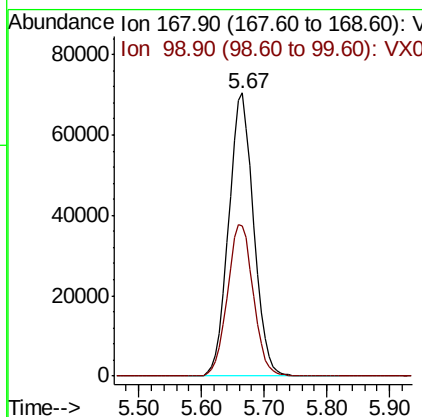
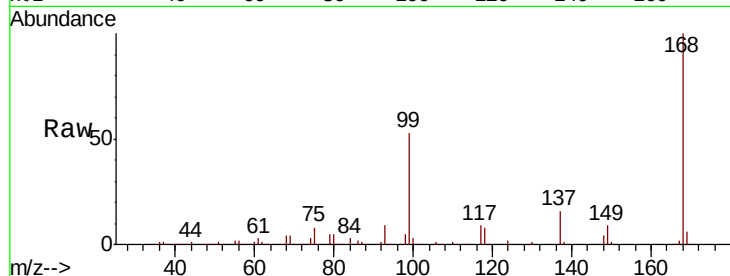




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX008893.D
Acq: 12 Apr 2019 17:51

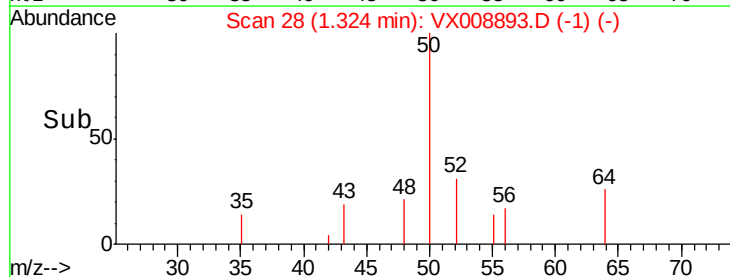
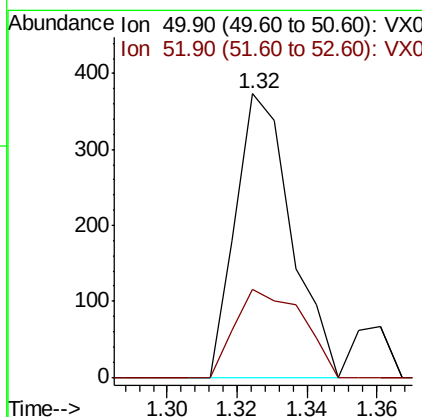
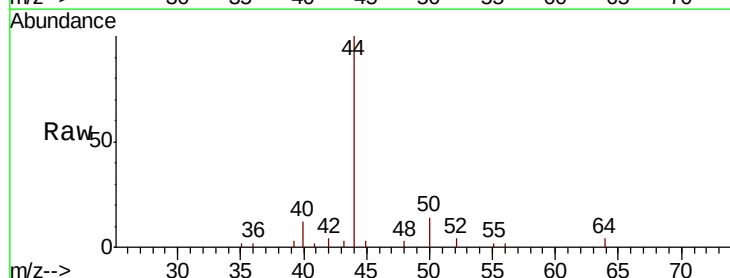
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20190409

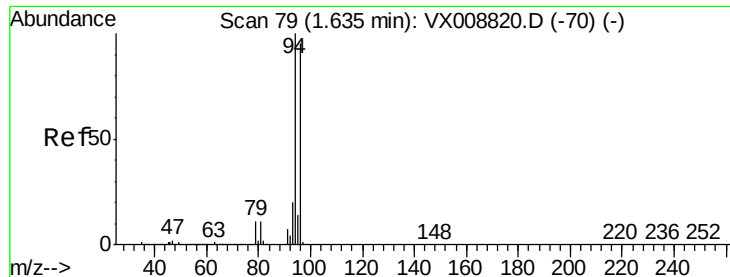
Tot Ion:168 Resp: 193965
Ion Ratio Lower Upper
168 100
99 53.2 46.7 70.1



#3
Chloromethane
Concen: Below Cal
RT: 1.32 min Scan# 28
Delta R.T. 0.00 min
Lab File: VX008893.D
Acq: 12 Apr 2019 17:51

Tgt Ion: 50 Resp: 413
Ion Ratio Lower Upper
50 100
52 30.8 25.8 38.8





#5

Bromomethane

Concen: 1.958 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008893.D

Acq: 12 Apr 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

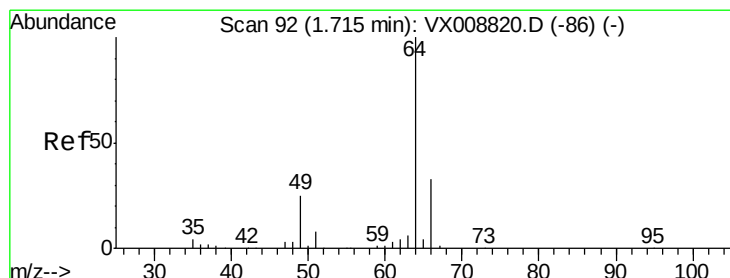
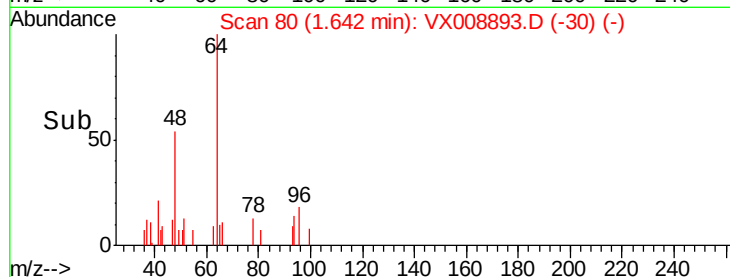
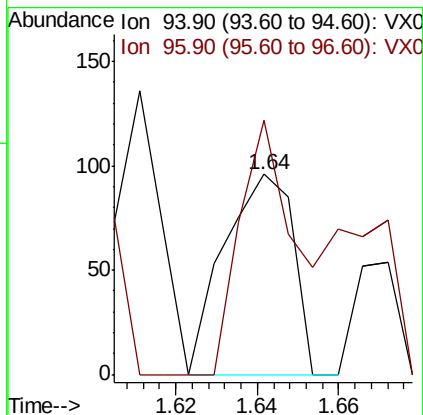
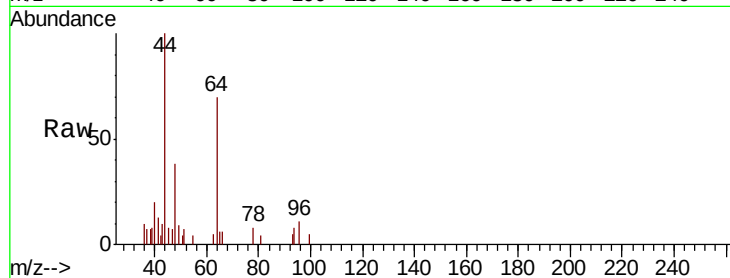
DUP01-20190409

Tot Ion: 94 Resp: 113

Ion Ratio Lower Upper

94 100

96 127.1 75.2 112.8#



#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 87

Delta R.T. -0.03 min

Lab File: VX008893.D

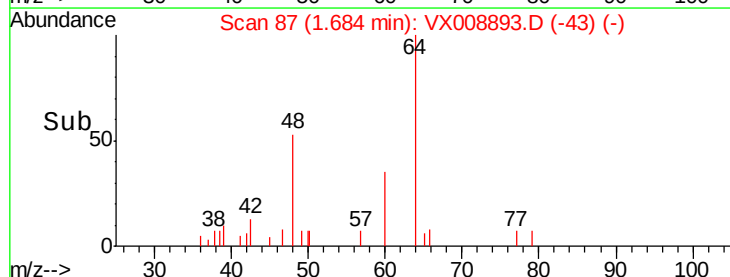
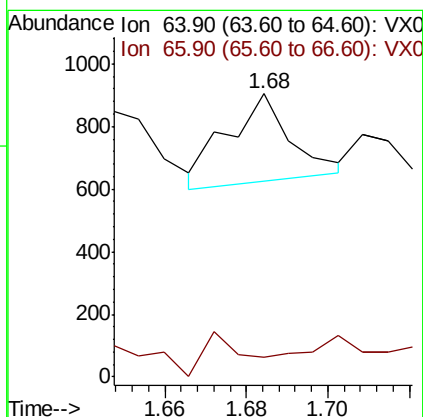
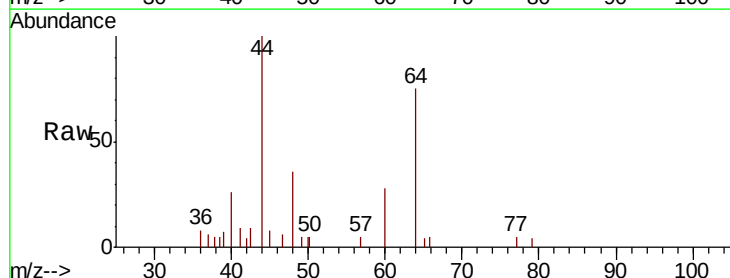
Acq: 12 Apr 2019 17:51

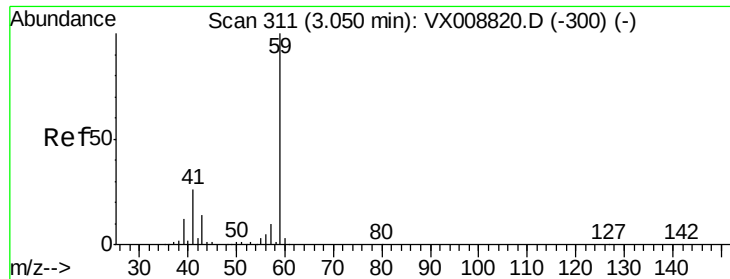
Tgt Ion: 64 Resp: 309

Ion Ratio Lower Upper

64 100

66 25.6 25.4 38.0



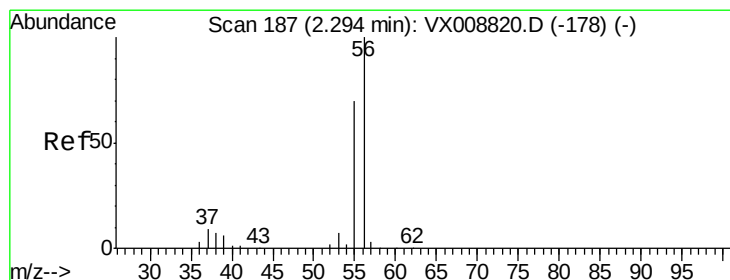
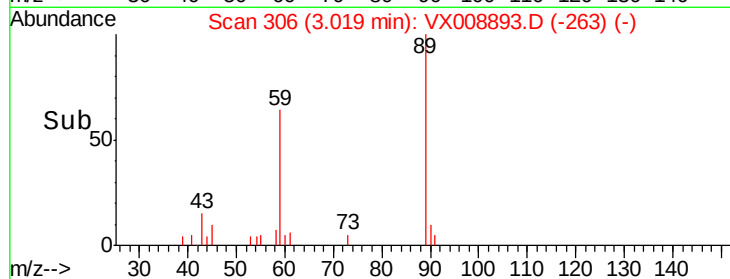
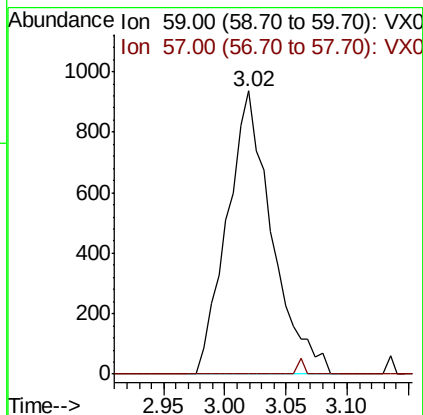
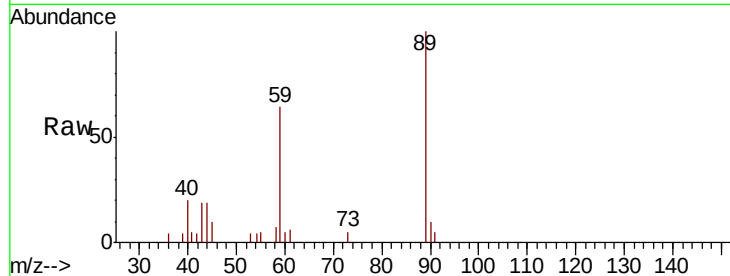


#11

Tert butyl alcohol
 Concen: 3.590 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.04 min
 Lab File: VX008893.D
 Acq: 12 Apr 2019 17:51

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP01-20190409

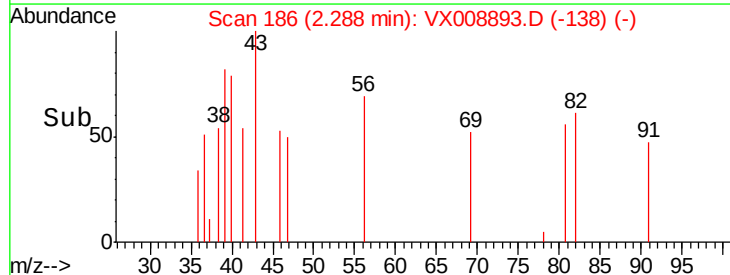
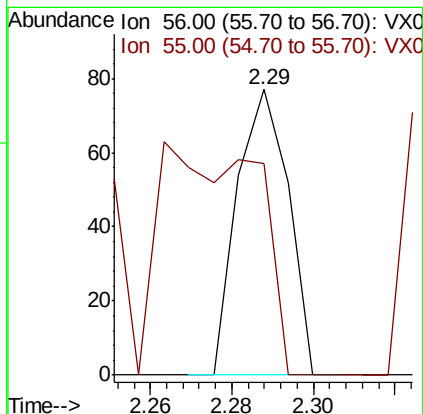
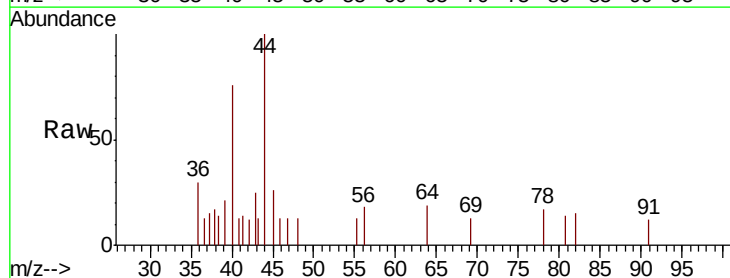
Tot Ion: 59 Resp: 2378
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

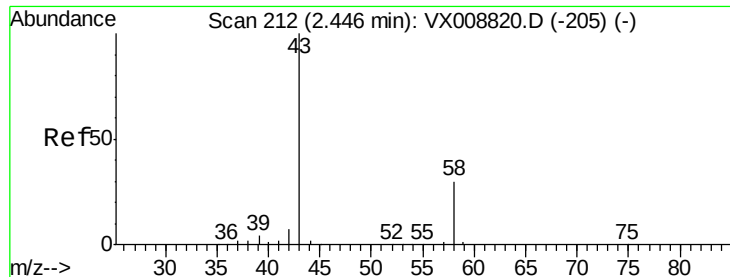


#13

Acrolein
 Concen: 0.204 ug/l
 RT: 2.29 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VX008893.D
 Acq: 12 Apr 2019 17:51

Tgt Ion: 56 Resp: 67
 Ion Ratio Lower Upper
 56 100
 55 0.0 58.0 87.0#





#16

Acetone

Concen: 2.728 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008893.D

Acq: 12 Apr 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

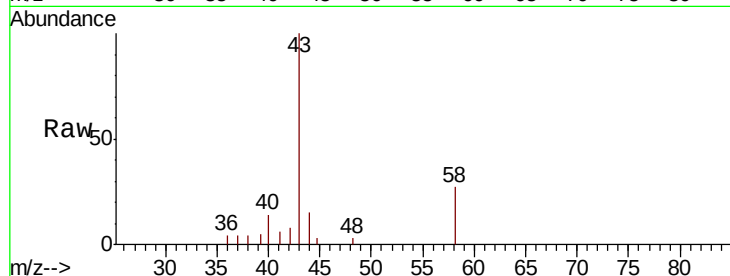
DUP01-20190409

Tot Ion: 43 Resp: 4446

Ion Ratio Lower Upper

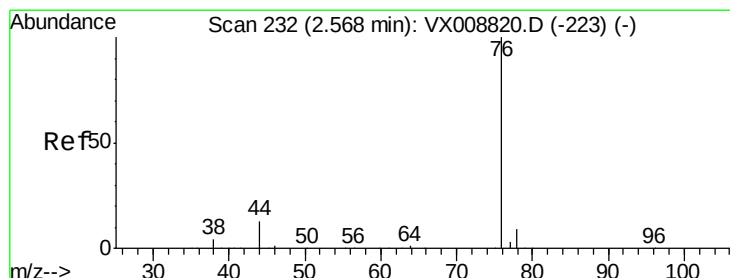
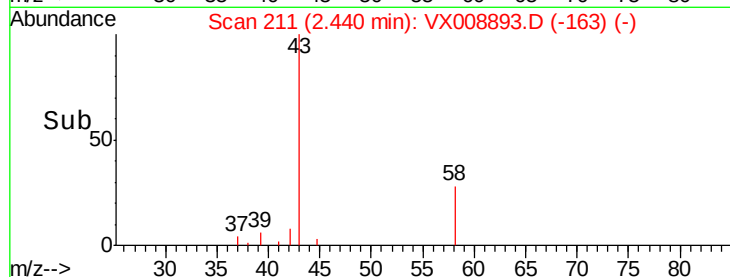
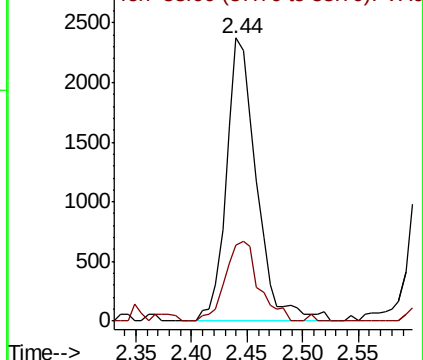
43 100

58 26.8 24.8 37.2



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: VX008893.D

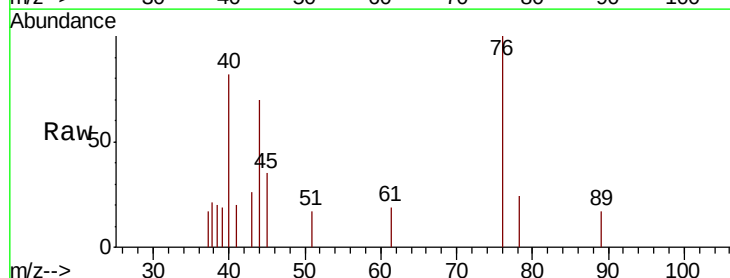
Acq: 12 Apr 2019 17:51

Tgt Ion: 76 Resp: 564

Ion Ratio Lower Upper

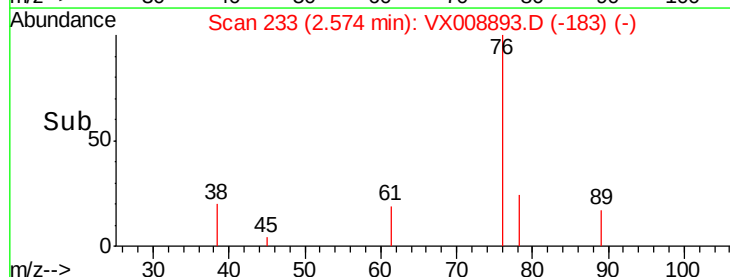
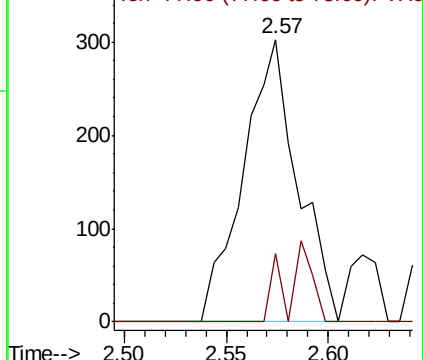
76 100

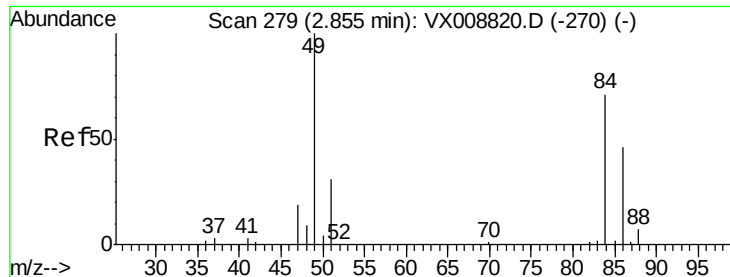
78 24.1 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

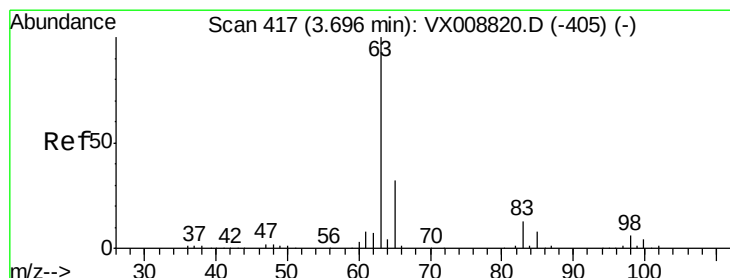
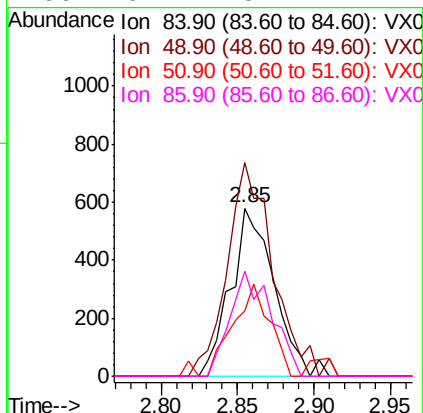
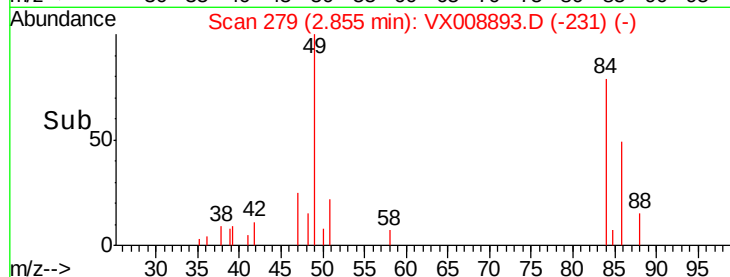
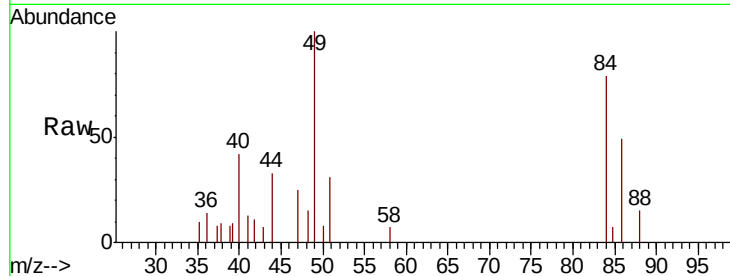




#20
Methylene Chloride
Concen: 0.421 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008893.D
Acq: 12 Apr 2019 17:51

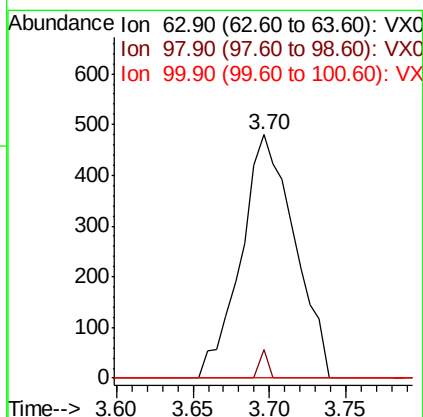
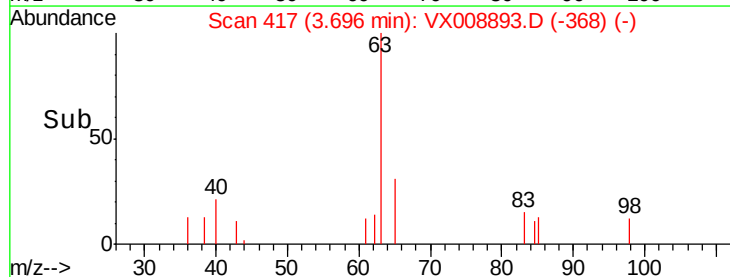
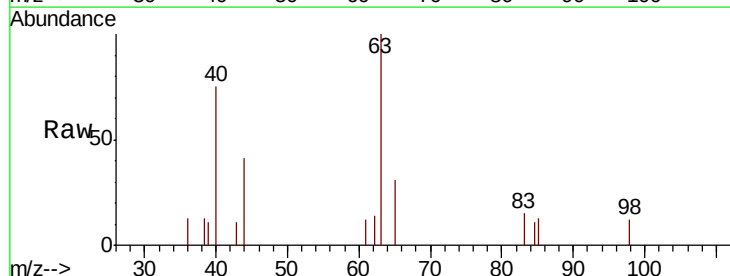
Instrument :
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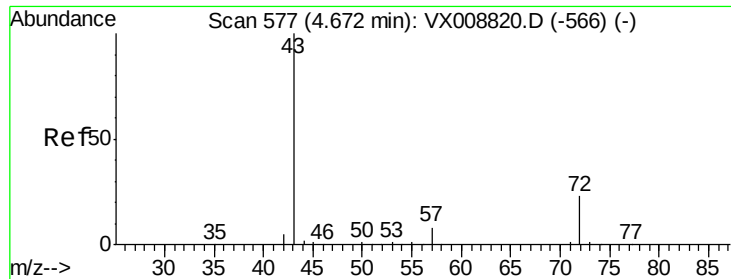
Tot Ion: 84 Resp: 1149
Ion Ratio Lower Upper
84 100
49 127.1 109.7 164.5
51 39.0 33.6 50.4
86 62.7 51.4 77.2



#24
1,1-Dichloroethane
Concen: 0.238 ug/l
RT: 3.70 min Scan# 417
Delta R.T. -0.00 min
Lab File: VX008893.D
Acq: 12 Apr 2019 17:51

Tgt Ion: 63 Resp: 1167
Ion Ratio Lower Upper
63 100
98 11.9 2.8 8.4#
100 0.0 1.8 5.5#





#25

2-Butanone

Concen: 0.218 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.02 min

Lab File: VX008893.D

Acq: 12 Apr 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

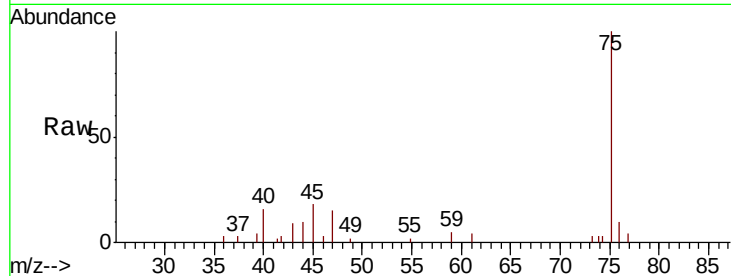
DUP01-20190409

Tot Ion: 43 Resp: 562

Ion Ratio Lower Upper

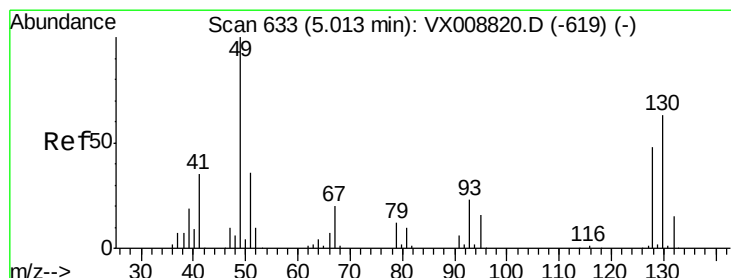
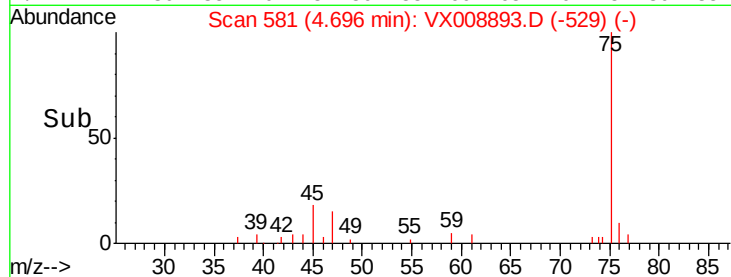
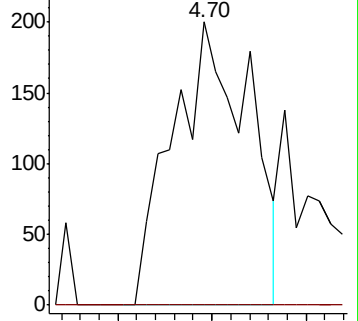
43 100

72 0.0 18.2 27.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.05 min Scan# 639

Delta R.T. 0.03 min

Lab File: VX008893.D

Acq: 12 Apr 2019 17:51

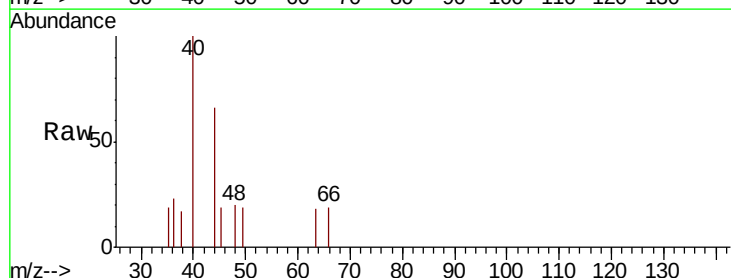
Tgt Ion: 49 Resp: 21

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

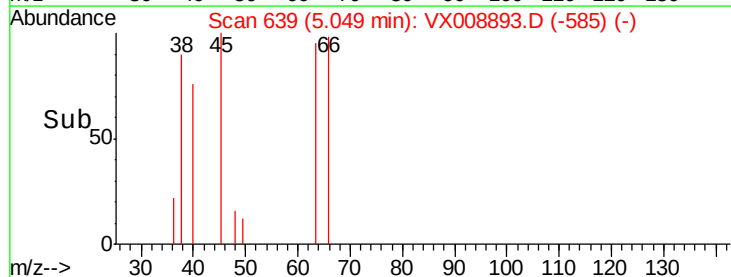
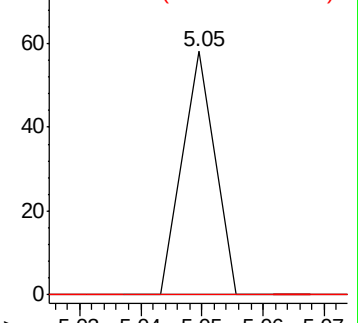
130 0.0 49.3 73.9#

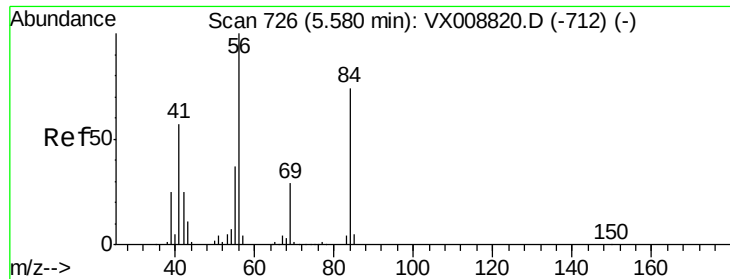


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

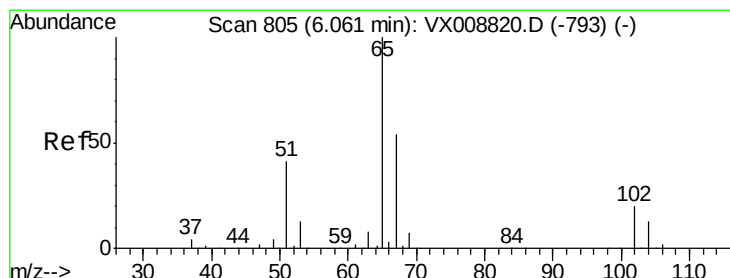
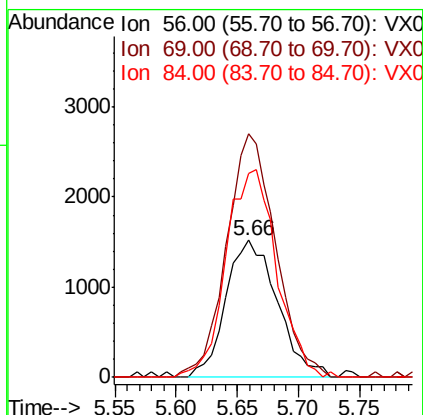
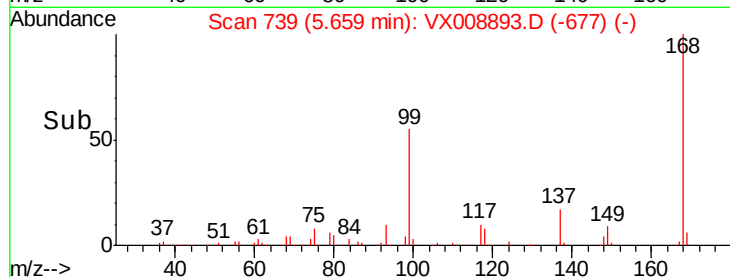
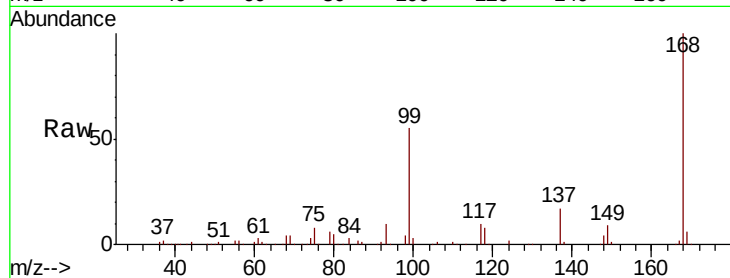




#31
Cyclohexane
Concen: 0.908 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX008893.D
Acq: 12 Apr 2019 17:51

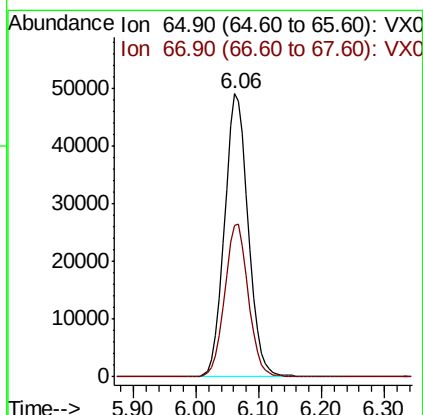
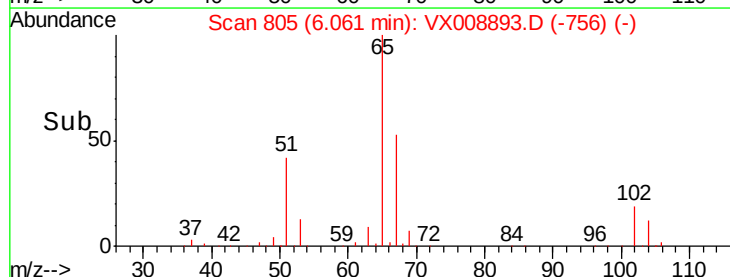
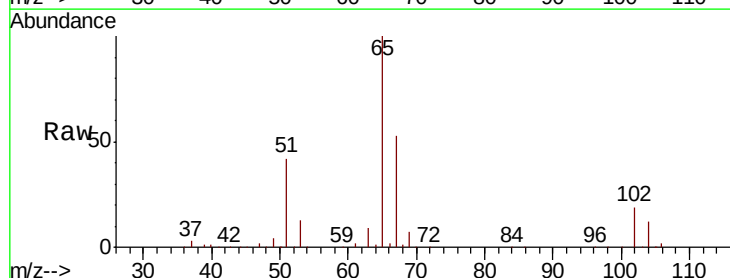
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20190409

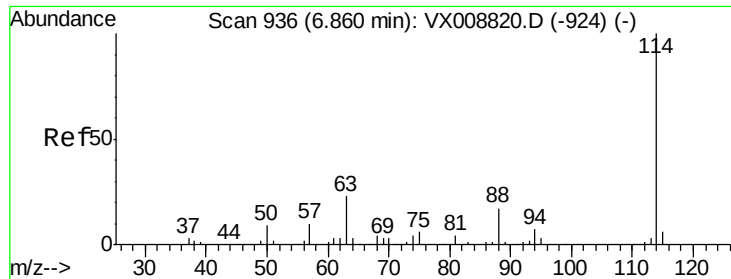
Tot Ion: 56 Resp: 4436
Ion Ratio Lower Upper
56 100
69 177.3 22.6 33.8#
84 148.9 59.3 88.9#



#33
1,2-Dichloroethane-d4
Concen: 45.433 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX008893.D
Acq: 12 Apr 2019 17:51

Tgt Ion: 65 Resp: 128535
Ion Ratio Lower Upper
65 100
67 53.8 0.0 107.2

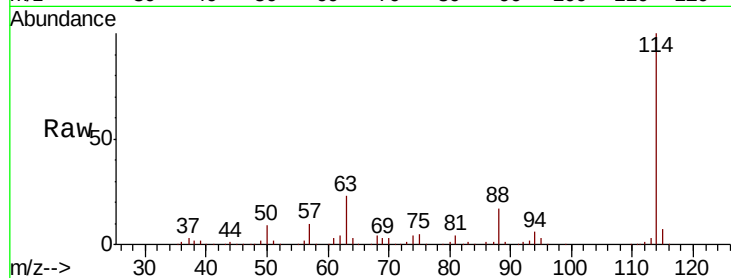




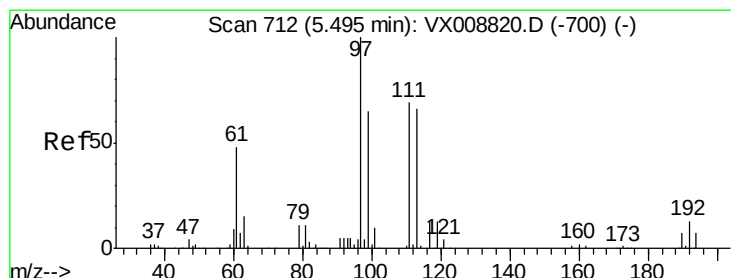
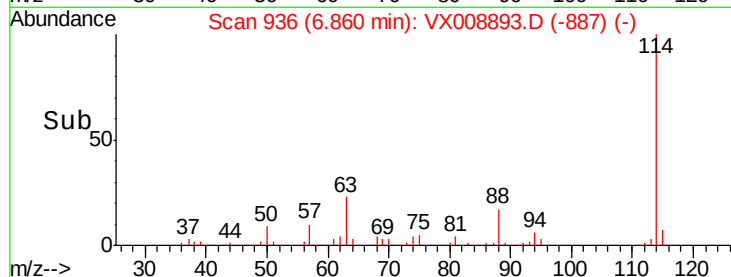
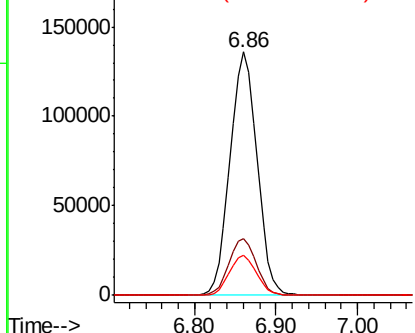
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX008893.D
Acq: 12 Apr 2019 17:51

Instrument :
MSVOA_X
ClientSampleId :
DUP01-20190409

Tot Ion:114 Resp: 311251
Ion Ratio Lower Upper
114 100
63 23.3 0.0 47.2
88 16.5 0.0 34.0

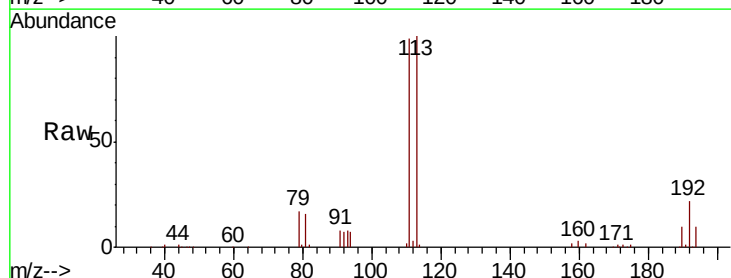


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

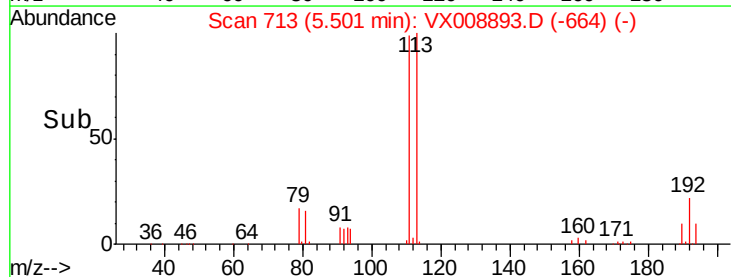
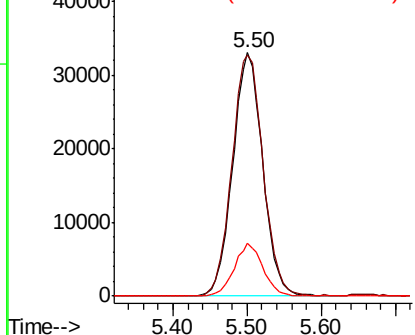


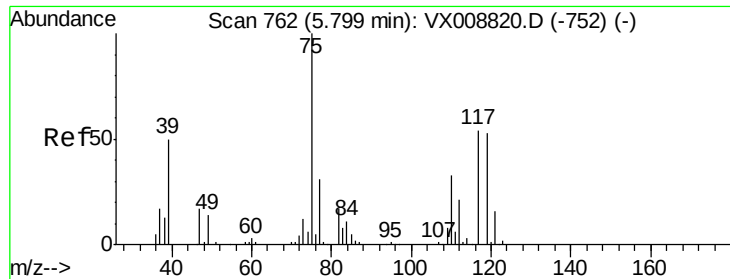
#35
Dibromofluoromethane
Concen: 46.806 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX008893.D
Acq: 12 Apr 2019 17:51

Tgt Ion:113 Resp: 93144
Ion Ratio Lower Upper
113 100
111 102.9 83.4 125.2
192 20.9 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

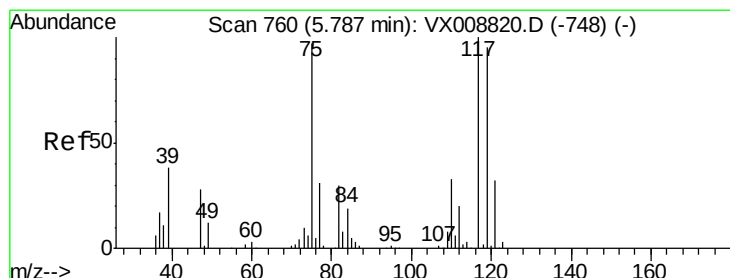
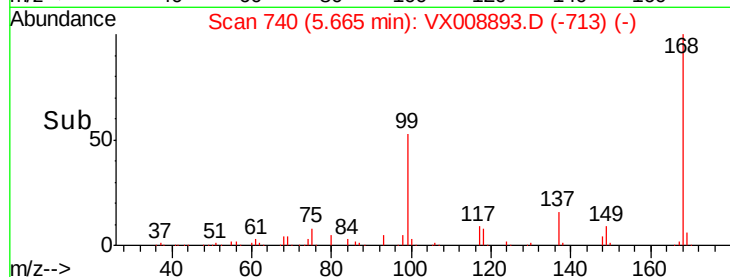
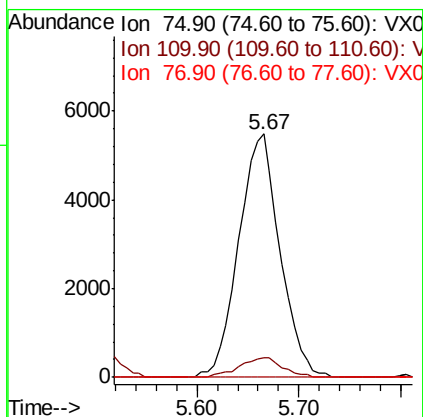
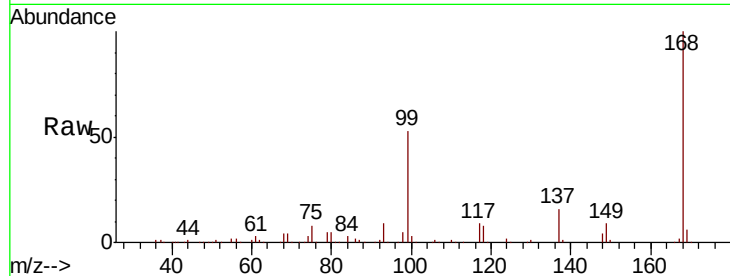




#36
 1,1-Dichloropropene
 Concen: 4.523 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX008893.D
 Acq: 12 Apr 2019 17:51

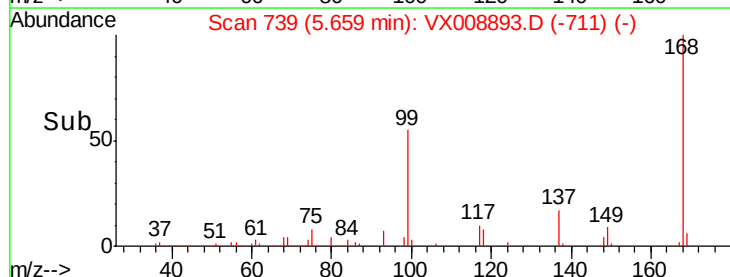
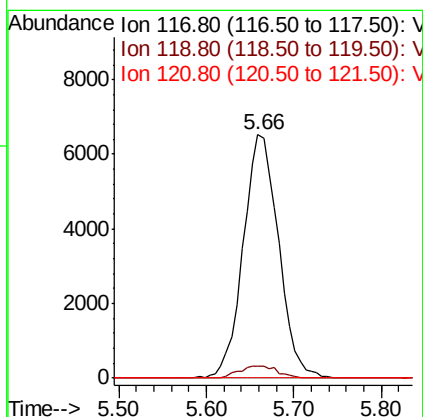
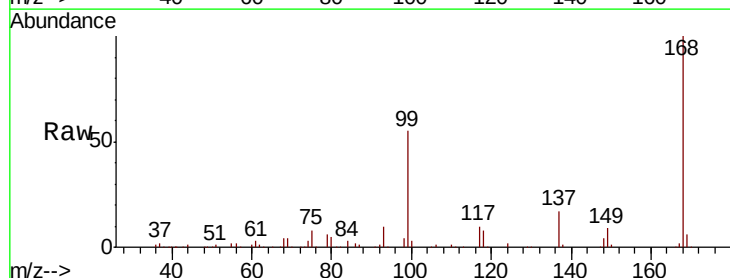
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP01-20190409

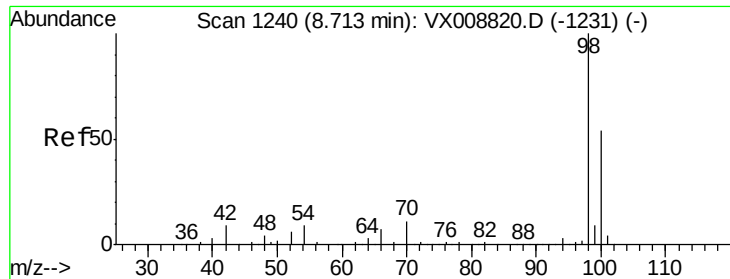
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.4	16.4	49.2#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.512 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX008893.D
 Acq: 12 Apr 2019 17:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	75.0	112.6#
121	0.0	24.3	36.5#





#50

Toluene-d8

Concen: 49.097 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008893.D

Acq: 12 Apr 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

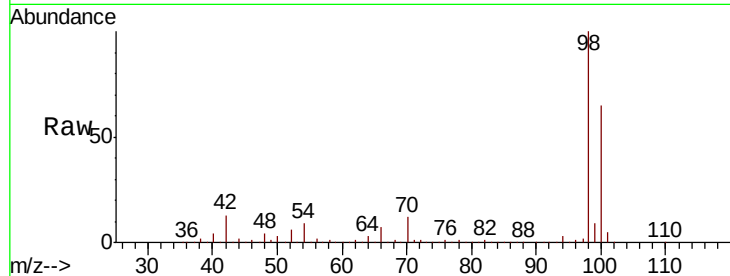
DUP01-20190409

Tot Ion: 98 Resp: 389033

Ion Ratio Lower Upper

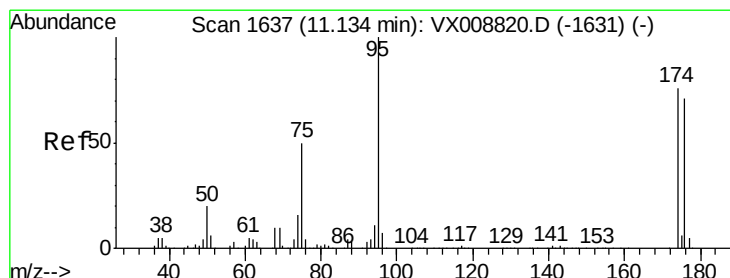
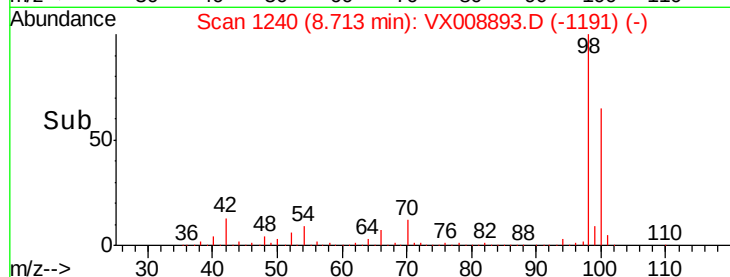
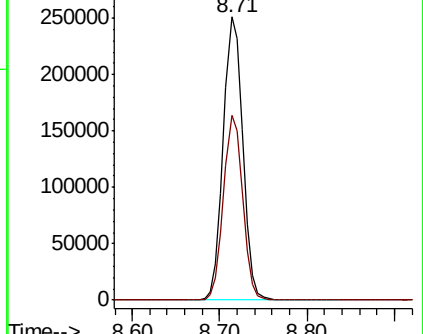
98 100

100 64.1 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 45.700 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008893.D

Acq: 12 Apr 2019 17:51

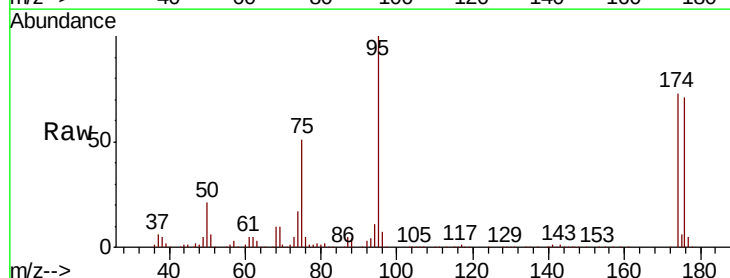
Tgt Ion: 95 Resp: 128412

Ion Ratio Lower Upper

95 100

174 79.2 0.0 151.8

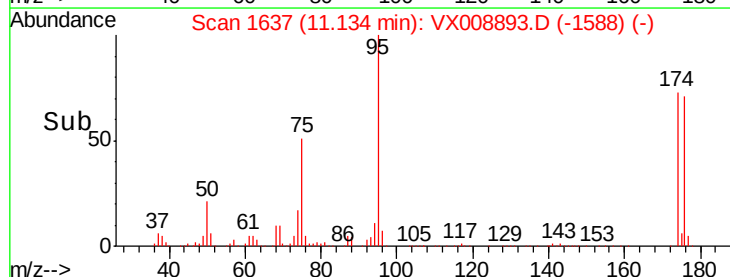
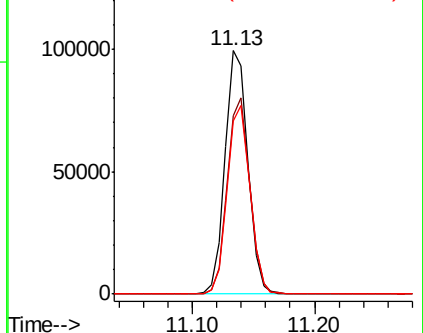
176 76.7 0.0 145.8

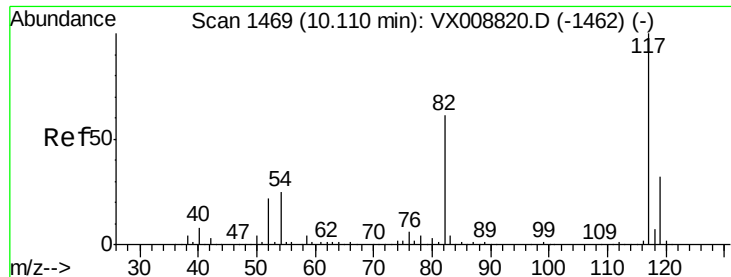


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

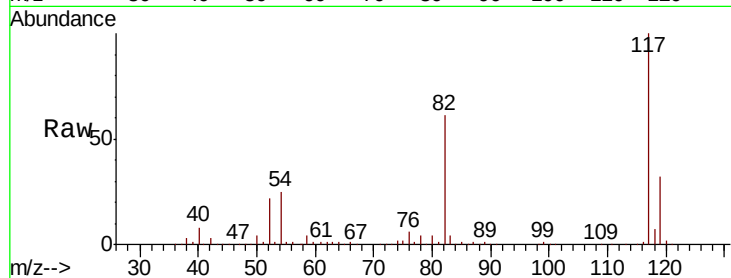




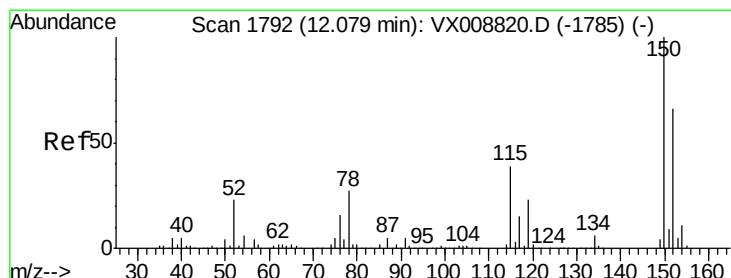
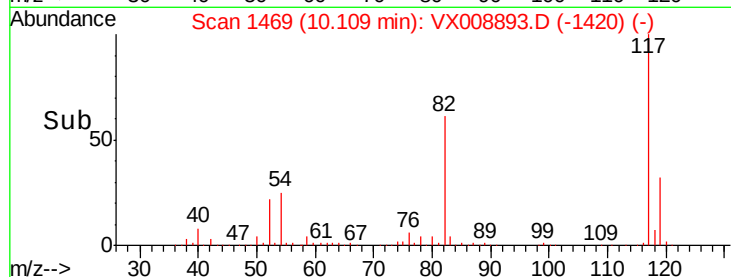
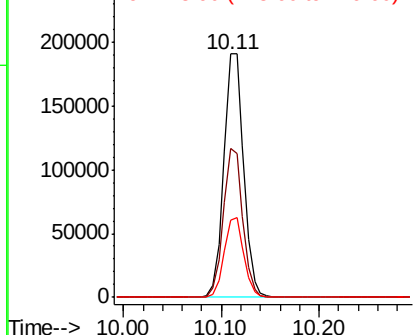
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008893.D
Acq: 12 Apr 2019 17:51

Instrument :
MSVOA_X
ClientSampleId :
DUP01-20190409

Tot Ion:117 Resp: 267793
Ion Ratio Lower Upper
117 100
82 60.9 49.6 74.4
119 31.6 25.0 37.4

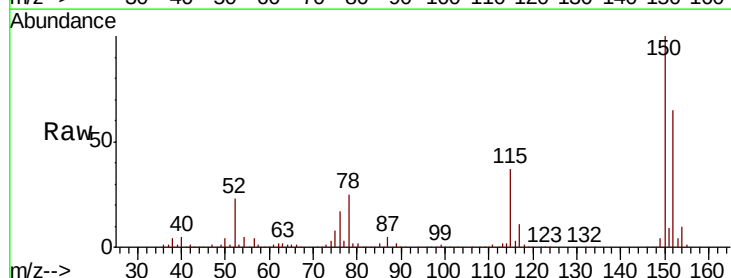


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

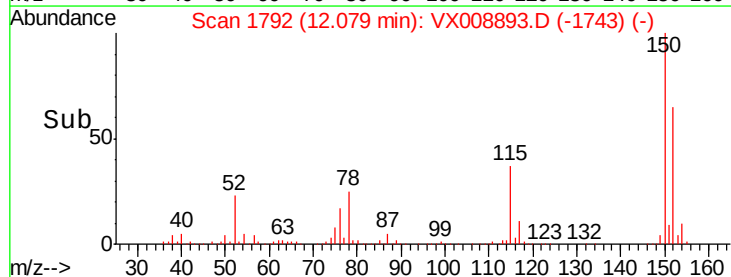
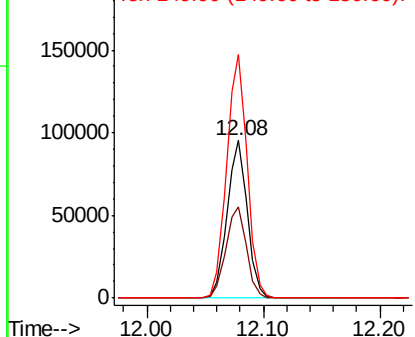


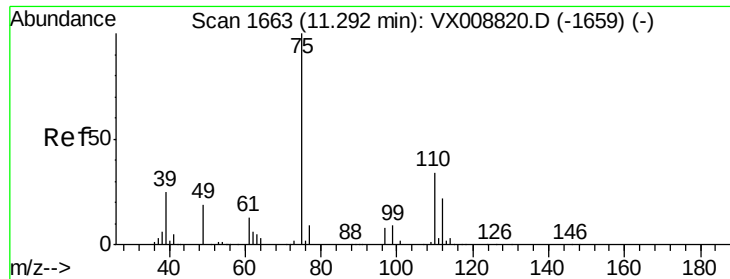
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008893.D
Acq: 12 Apr 2019 17:51

Tgt Ion:152 Resp: 114153
Ion Ratio Lower Upper
152 100
115 59.2 43.5 130.5
150 157.1 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: 20.778 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008893.D

Acq: 12 Apr 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

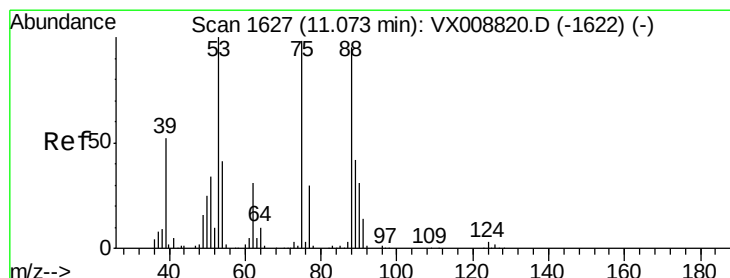
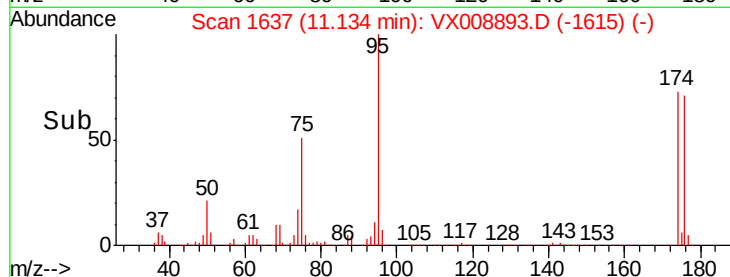
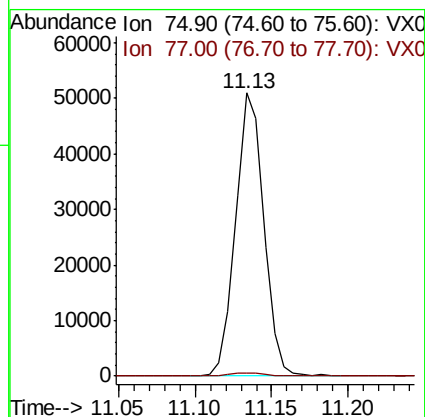
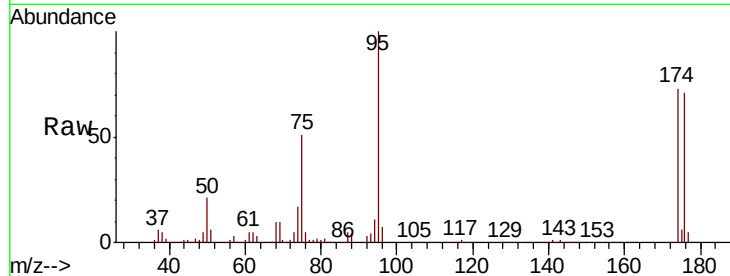
DUP01-20190409

Tot Ion: 75 Resp: 65159

Ion Ratio Lower Upper

75 100

77 1.5 22.3 66.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.277 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008893.D

Acq: 12 Apr 2019 17:51

Tgt Ion: 75 Resp: 65159

Ion Ratio Lower Upper

75 100

53 0.0 81.3 121.9#

89 0.0 35.6 53.4#

