

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX040419\
 Data File : VX008633.D
 Acq On : 04 Apr 2019 14:11
 Operator : JC/SP
 Sample : K2242-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TWP-02-DUP

Quant Time: Apr 05 07:04:44 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	5.66	168	217606	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	367984	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	317853	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	131790	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	154265	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	
35) Dibromofluoromethane	5.50	113	113411	48.20	ug/l	0.00
Spiked Amount			Recovery	=	96.40%	
50) Toluene-d8	8.71	98	462490	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
62) 4-Bromofluorobenzene	11.13	95	154779	46.59	ug/l	0.00
Spiked Amount			Recovery	=	93.18%	

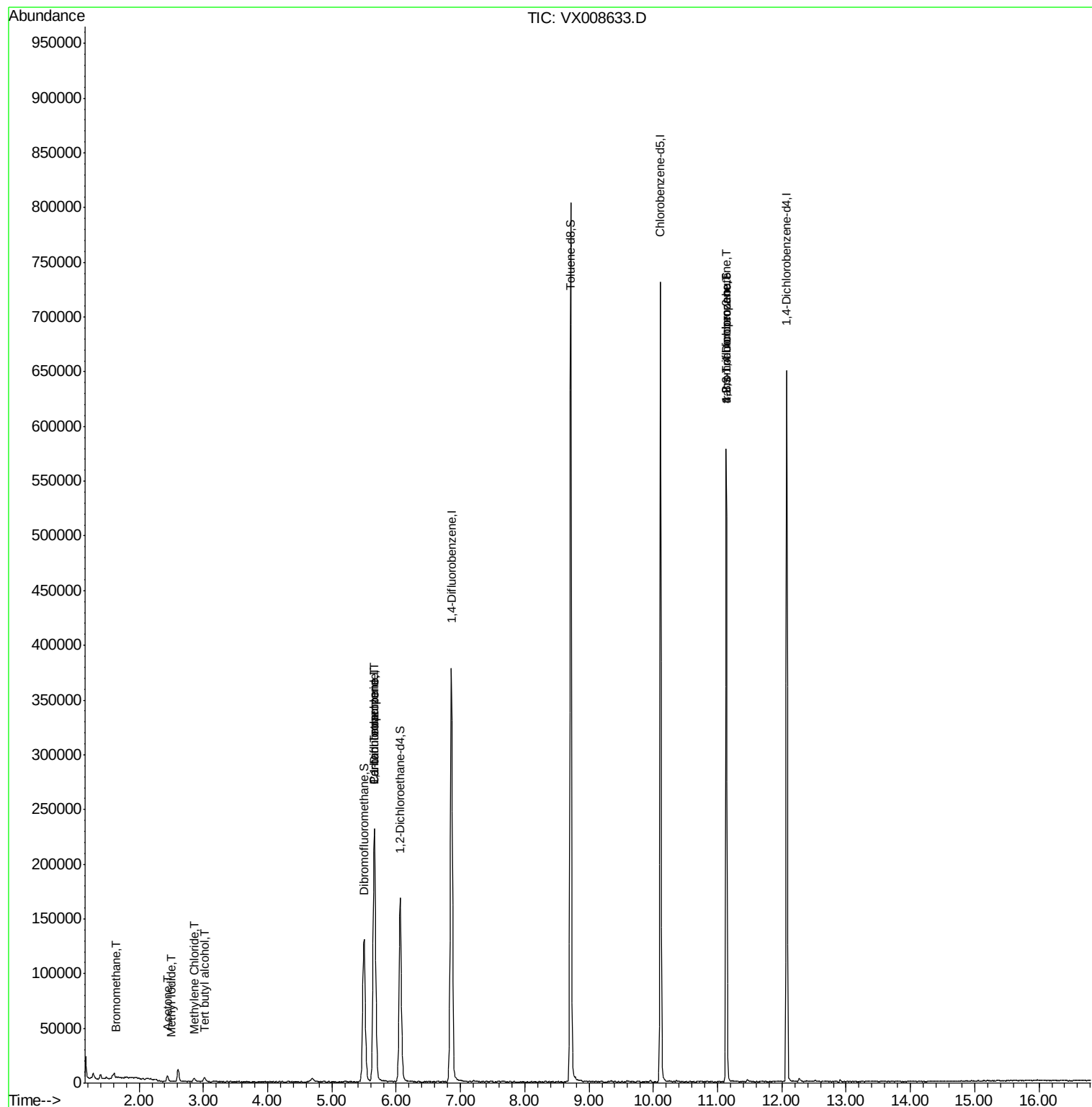
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	562	Below Cal		90
5) Bromomethane	1.64	94	252	2.031 ug/l #		71
6) Chloroethane	1.71	64	103	Below Cal #		89
10) Methyl Iodide	2.51	142	70	4.032 ug/l #		42
11) Tert butyl alcohol	3.02	59	3043	4.095 ug/l #		74
16) Acetone	2.44	43	5887	3.220 ug/l		97
17) Carbon Disulfide	2.57	76	634	Below Cal #		75
20) Methylene Chloride	2.86	84	1486	0.486 ug/l #		85
28) Bromochloromethane	5.02	49	68	Below Cal #		22
36) 1,1-Dichloropropene	5.66	75	18876	4.693 ug/l #		50
38) Carbon Tetrachloride	5.67	117	21653	6.504 ug/l #		17
76) 1,2,3-Trichloropropane	11.13	75	78741	21.749 ug/l #		34
81) trans-1,4-Dichloro-2-buten	11.13	75	78741	59.953 ug/l #		9

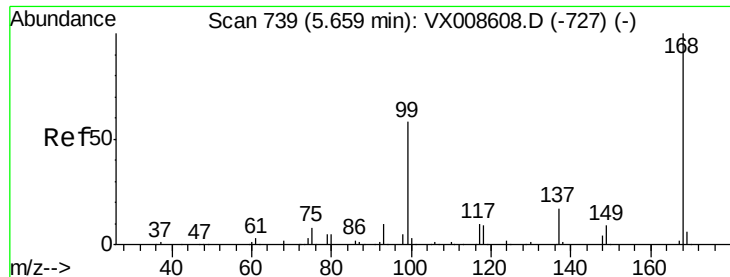
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX040419\
Data File : VX008633.D
Acq On : 04 Apr 2019 14:11
Operator : JC/SP
Sample : K2242-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TWP-02-DUP

Quant Time: Apr 05 07:04:44 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008633.D

Acq: 04 Apr 2019 14:11

Instrument :

MSVOA_X

ClientSampleId :

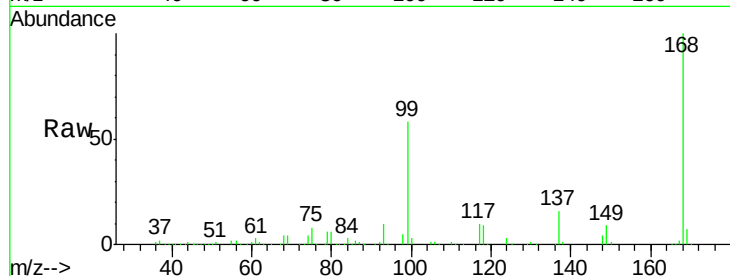
TWP-02-DUP

Tgt Ion:168 Resp: 217606

Ion Ratio Lower Upper

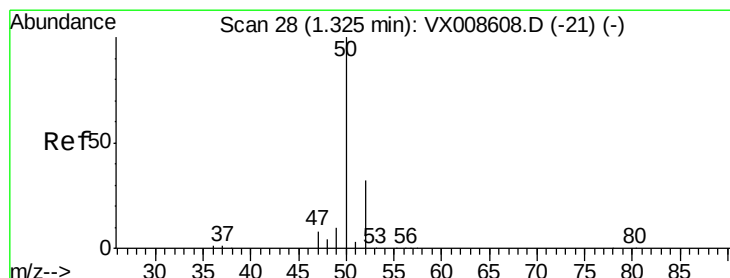
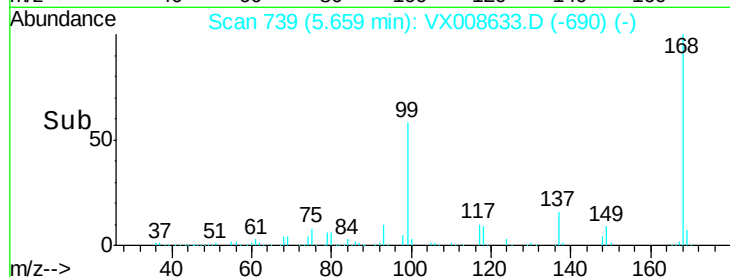
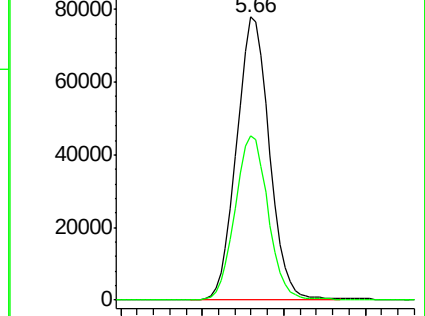
168 100

99 57.9 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008633.D

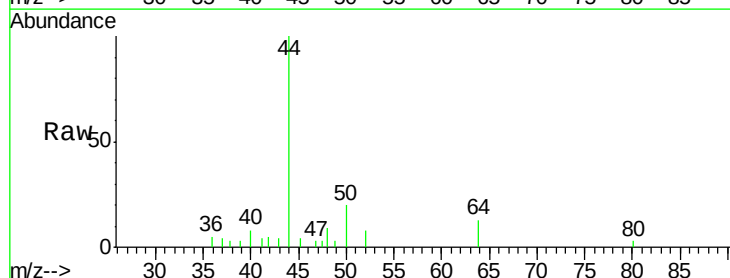
Acq: 04 Apr 2019 14:11

Tgt Ion: 50 Resp: 562

Ion Ratio Lower Upper

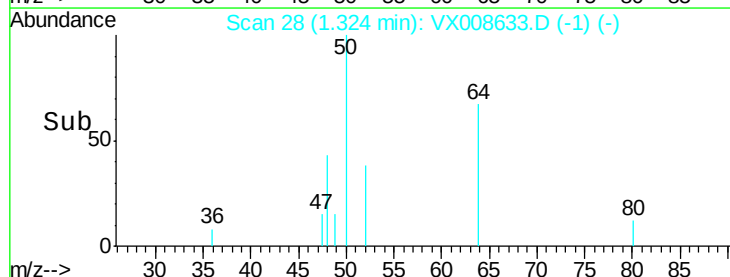
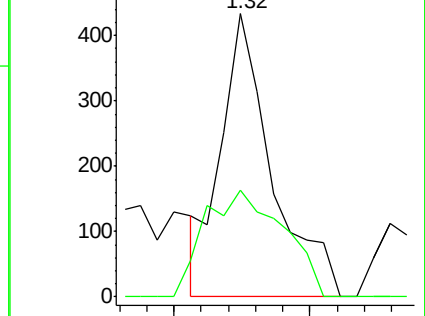
50 100

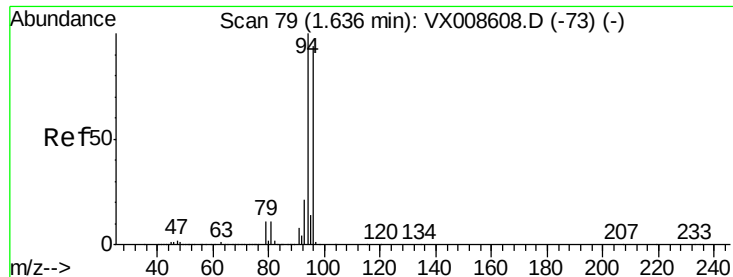
52 37.6 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 2.031 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008633.D

Acq: 04 Apr 2019 14:11

Instrument :

MSVOA_X

ClientSampleId :

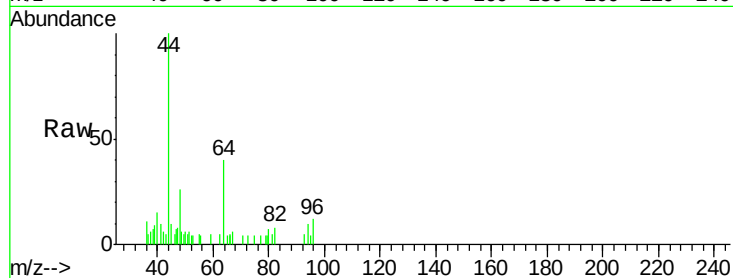
TWP-02-DUP

Tgt Ion: 94 Resp: 252

Ion Ratio Lower Upper

94 100

96 122.1 75.2 112.8#



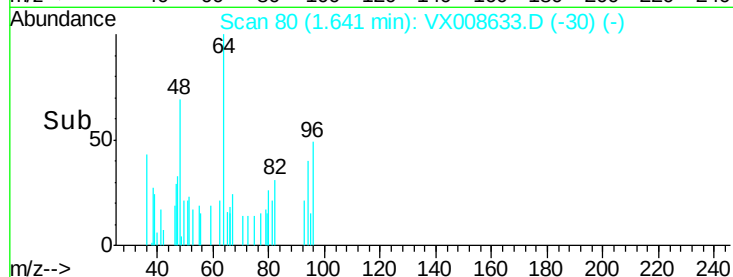
Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

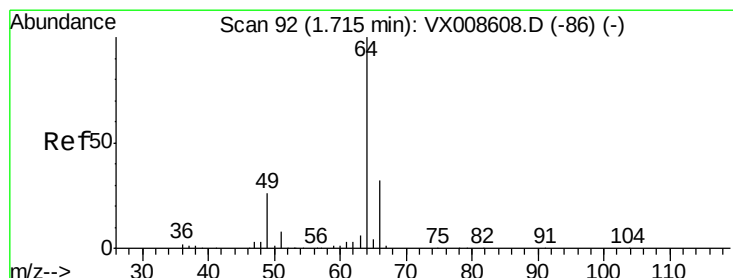
1.64

1.65

1.70



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008633.D

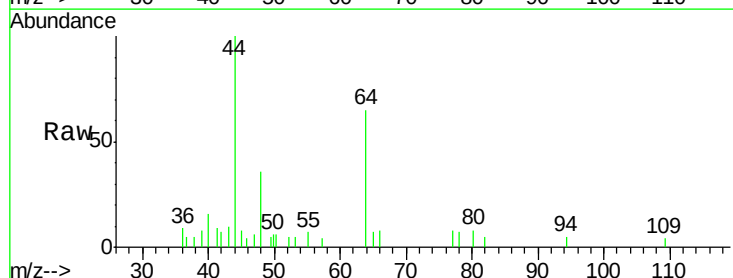
Acq: 04 Apr 2019 14:11

Tgt Ion: 64 Resp: 103

Ion Ratio Lower Upper

64 100

66 25.3 25.4 38.0#

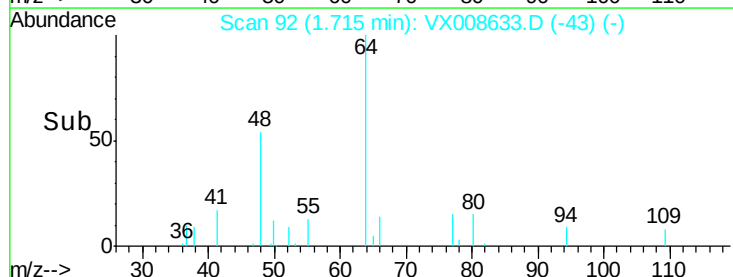


Abundance Ion 63.90 (63.60 to 64.60): VX0

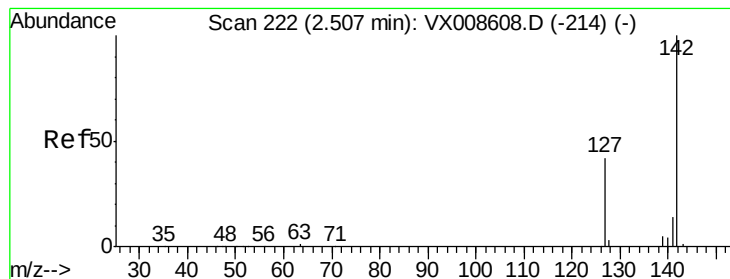
Ion 65.90 (65.60 to 66.60): VX0

1.71

1.72



Time-->



#10

Methyl Iodide

Concen: 4.032 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX008633.D

Acq: 04 Apr 2019 14:11

Instrument :

MSVOA_X

ClientSampleId :

TWP-02-DUP

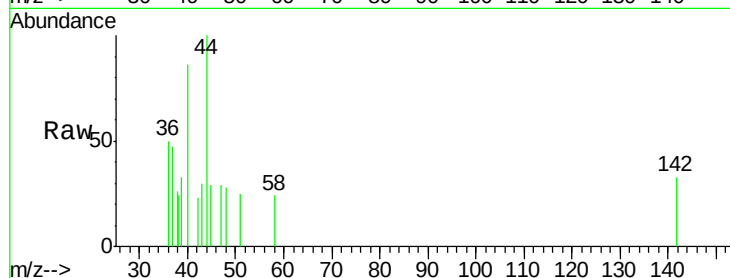
Tgt Ion: 142 Resp: 70

Ion Ratio Lower Upper

142 100

127 0.0 33.0 49.6#

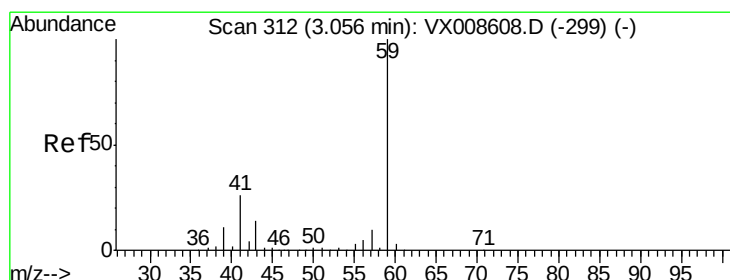
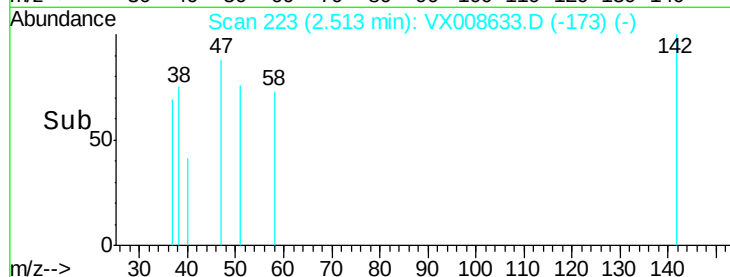
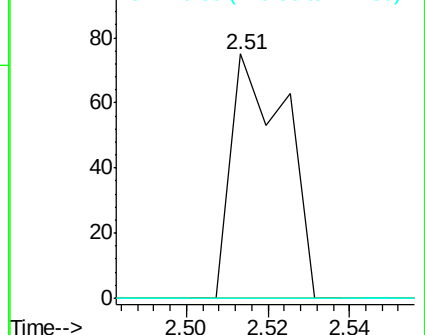
141 0.0 11.4 17.2#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 4.095 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.04 min

Lab File: VX008633.D

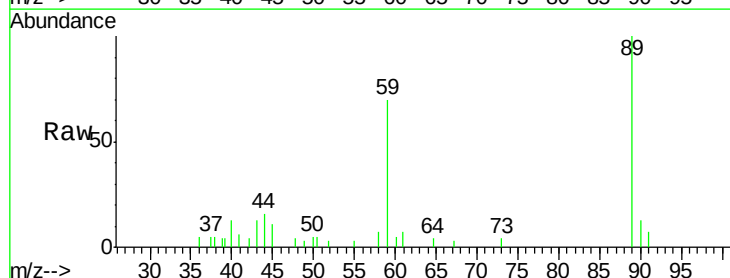
Acq: 04 Apr 2019 14:11

Tgt Ion: 59 Resp: 3043

Ion Ratio Lower Upper

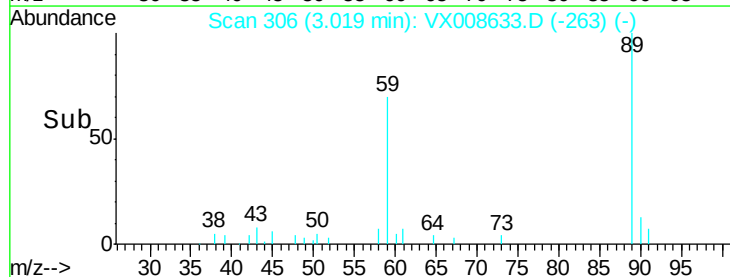
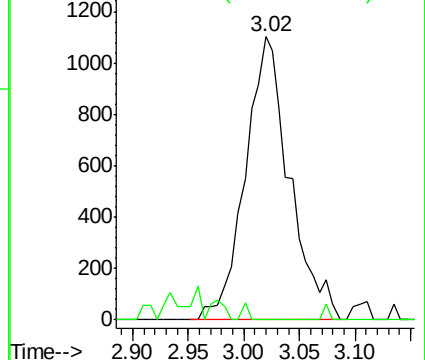
59 100

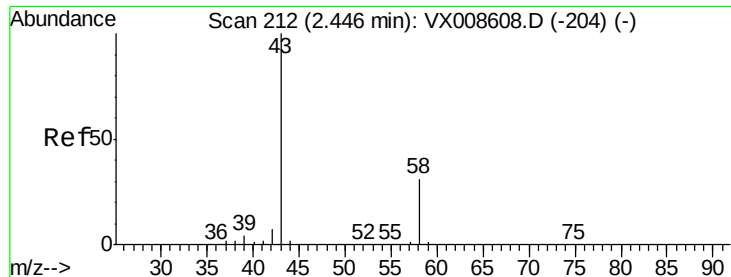
57 0.8 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 3.220 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008633.D

Acq: 04 Apr 2019 14:11

Instrument :

MSVOA_X

ClientSampleId :

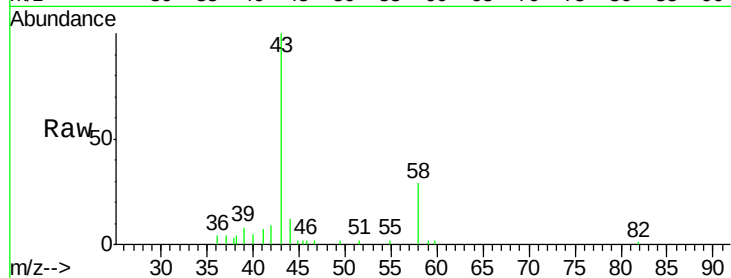
TWP-02-DUP

Tgt Ion: 43 Resp: 5887

Ion Ratio Lower Upper

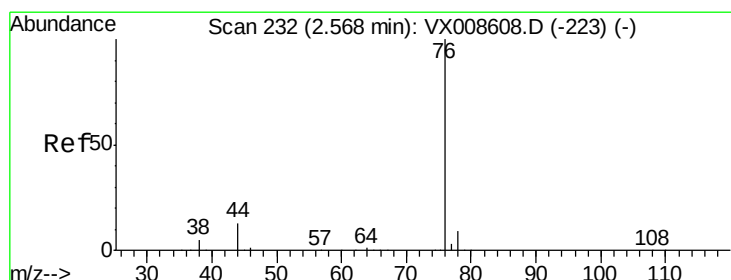
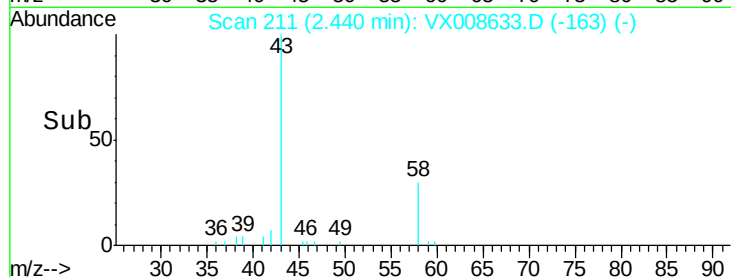
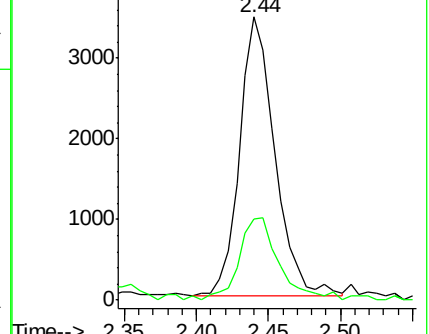
43 100

58 29.3 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# 232

Delta R.T. 0.00 min

Lab File: VX008633.D

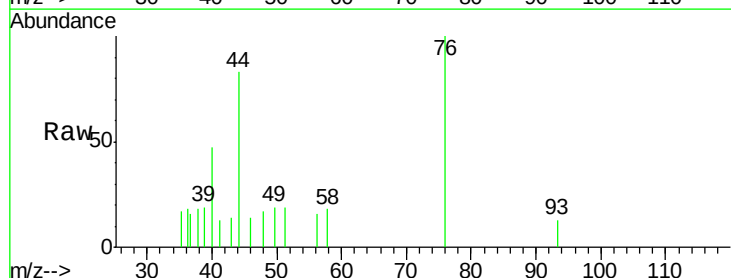
Acq: 04 Apr 2019 14:11

Tgt Ion: 76 Resp: 634

Ion Ratio Lower Upper

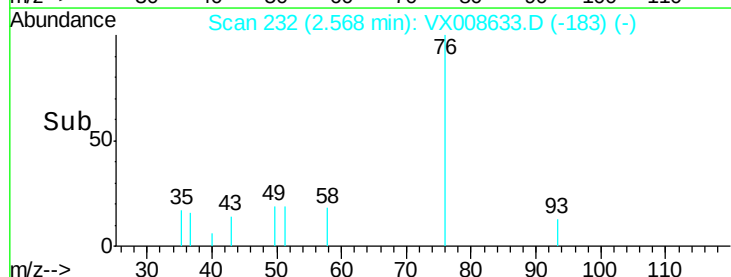
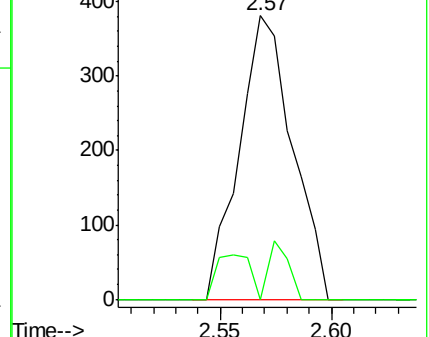
76 100

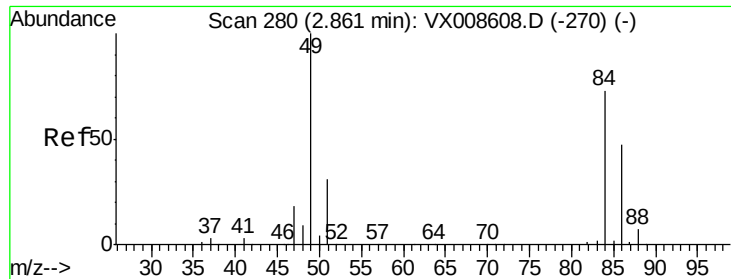
78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

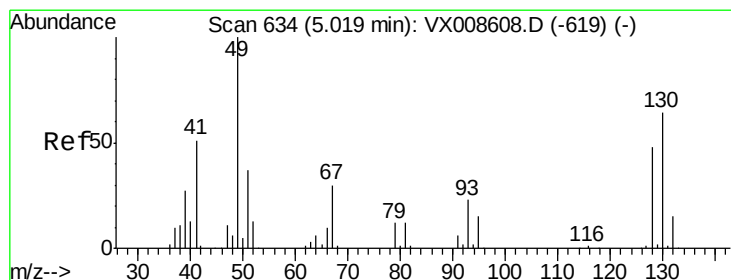
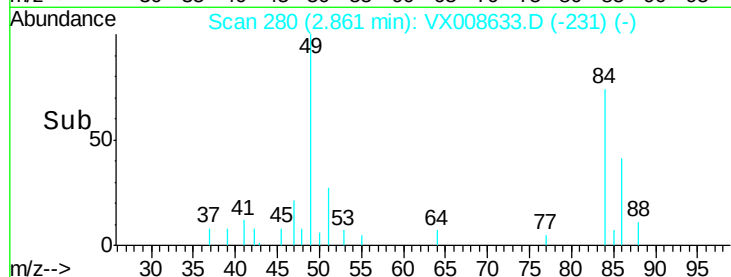
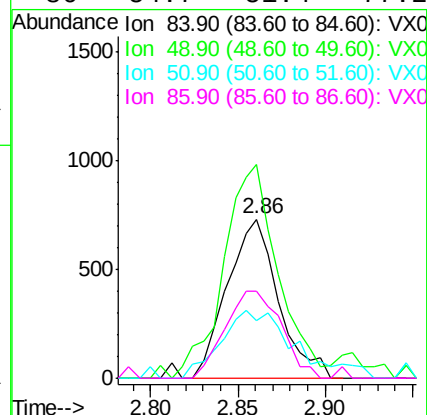
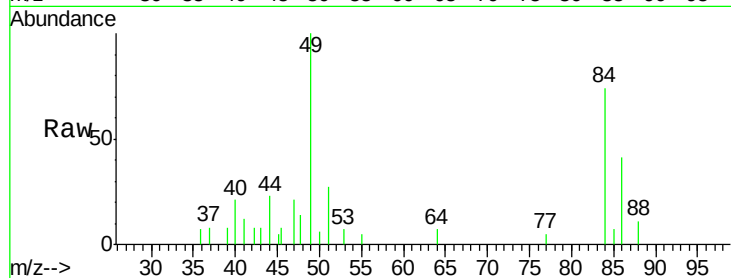




#20
Methylene Chloride
Concen: 0.486 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX008633.D
Acq: 04 Apr 2019 14:11

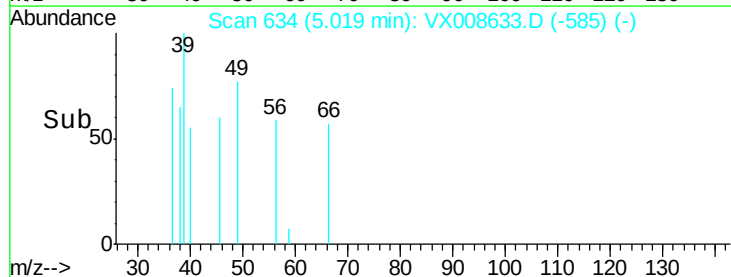
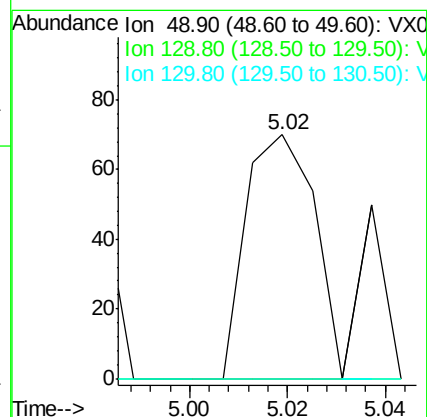
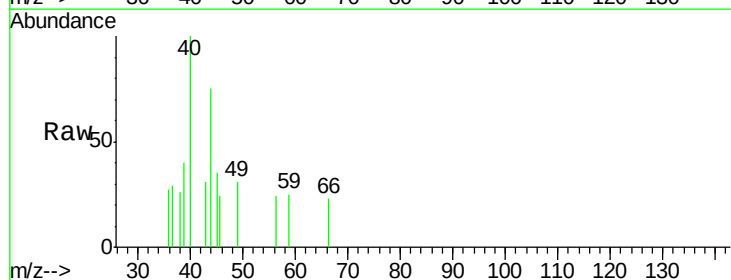
Instrument :
MSVOA_X
ClientSampleId :
TWP-02-DUP

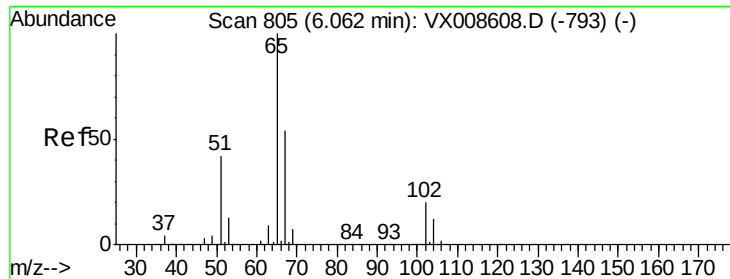
Tgt Ion: 84 Resp: 1486
Ion Ratio Lower Upper
84 100
49 120.2 109.7 164.5
51 28.0 33.6 50.4#
86 54.7 51.4 77.2



#28
Bromochloromethane
Concen: Below Cal
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX008633.D
Acq: 04 Apr 2019 14:11

Tgt Ion: 49 Resp: 68
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 49.3 73.9#

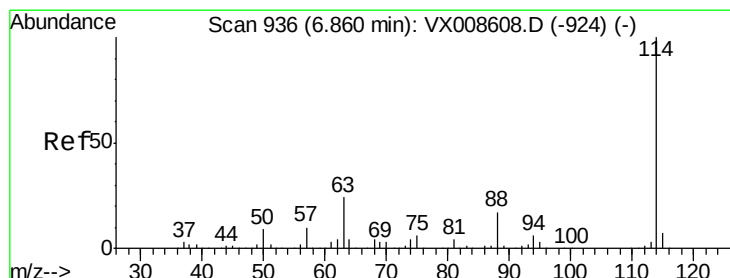
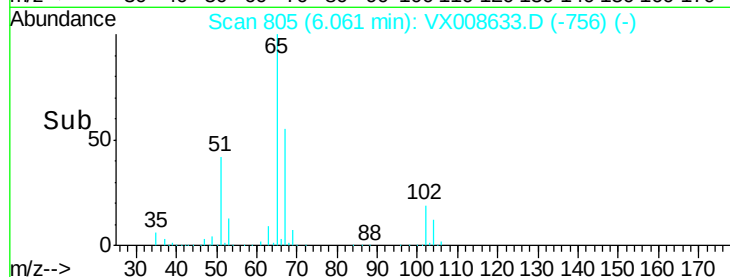
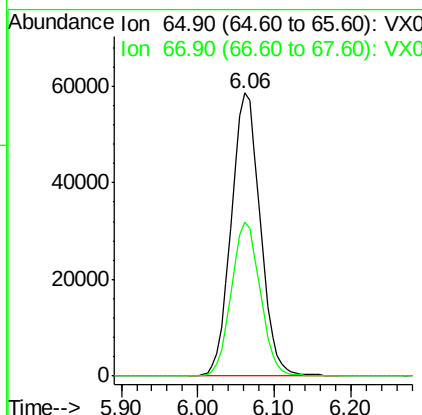
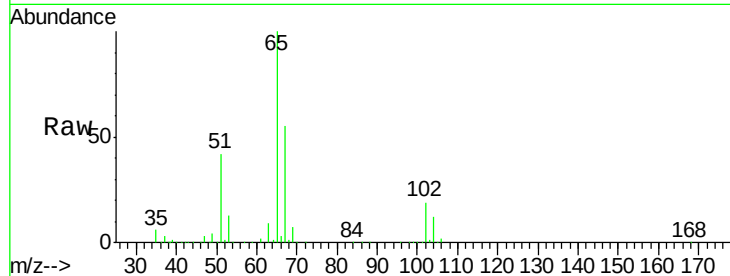




#33
 1,2-Dichloroethane-d4
 Concen: 48.604 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008633.D
 Acq: 04 Apr 2019 14:11

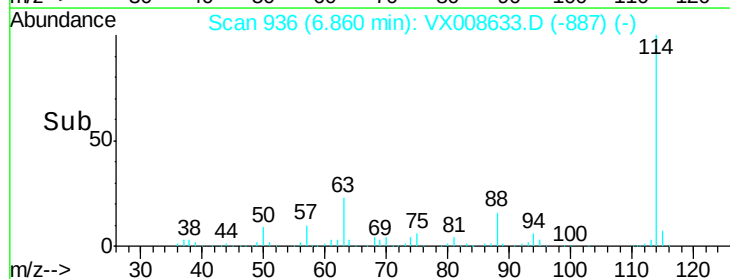
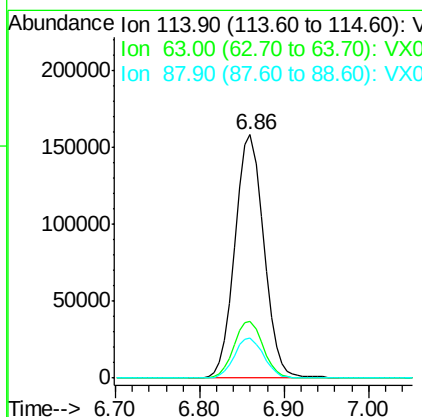
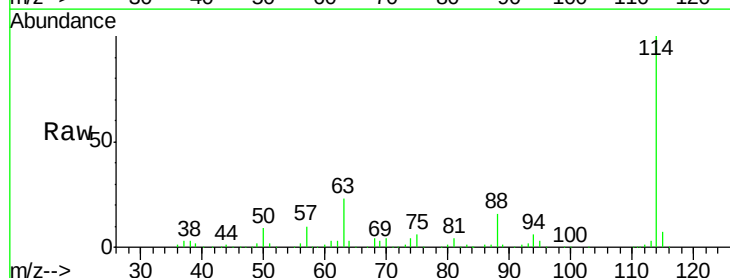
Instrument :
 MSVOA_X
 ClientSampleId :
 TWP-02-DUP

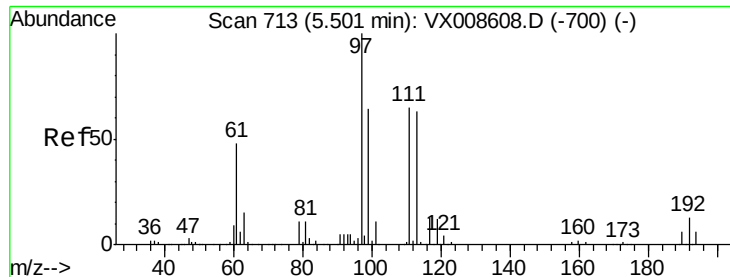
Tgt Ion: 65 Resp: 154265
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008633.D
 Acq: 04 Apr 2019 14:11

Tgt Ion: 114 Resp: 367984
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 47.2
 88 16.2 0.0 34.0





#35

Dibromofluoromethane

Concen: 48.204 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008633.D

Acq: 04 Apr 2019 14:11

Instrument :

MSVOA_X

ClientSampled :

TWP-02-DUP

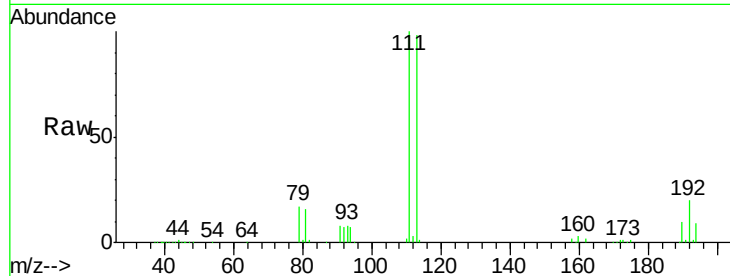
Tgt Ion:113 Resp: 113411

Ion Ratio Lower Upper

113 100

111 101.9 83.4 125.2

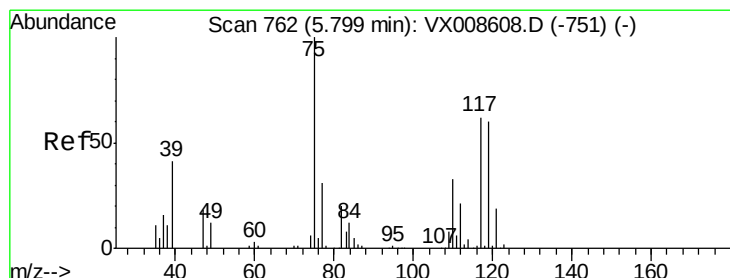
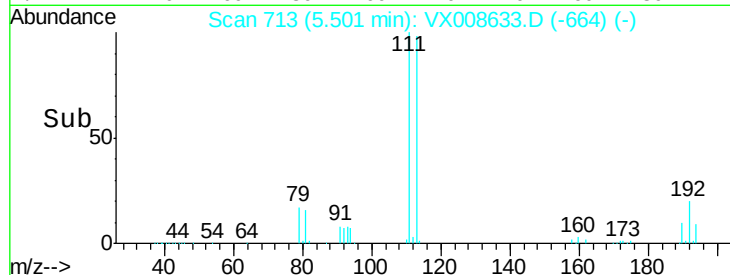
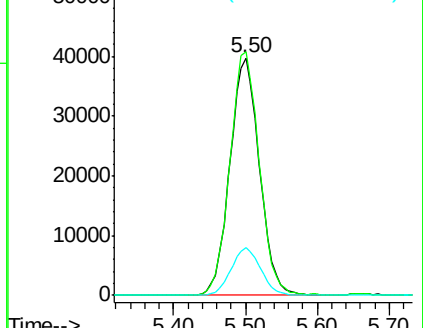
192 19.9 16.1 24.1



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: 4.693 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008633.D

Acq: 04 Apr 2019 14:11

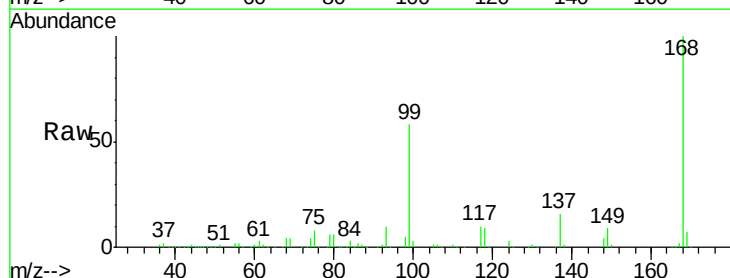
Tgt Ion: 75 Resp: 18876

Ion Ratio Lower Upper

75 100

110 7.8 16.4 49.2#

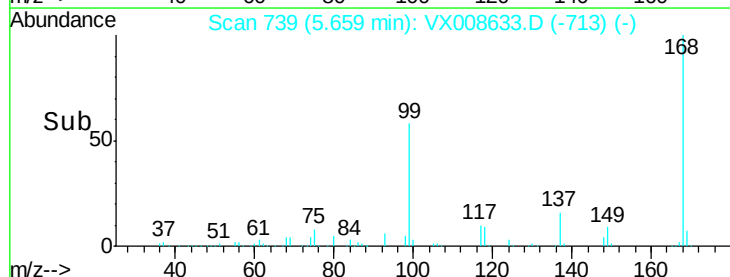
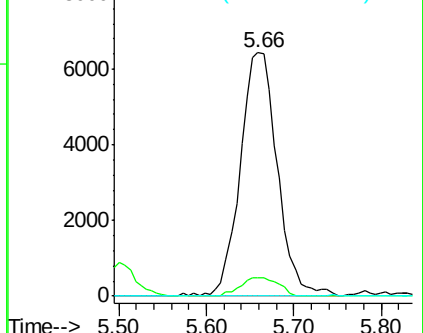
77 0.0 24.7 37.1#

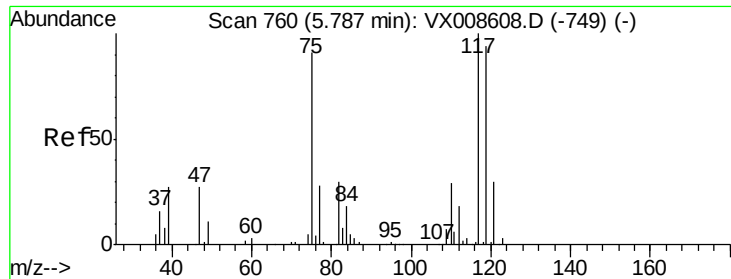


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.504 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008633.D

Acq: 04 Apr 2019 14:11

Instrument :

MSVOA_X

ClientSampleId :

TWP-02-DUP

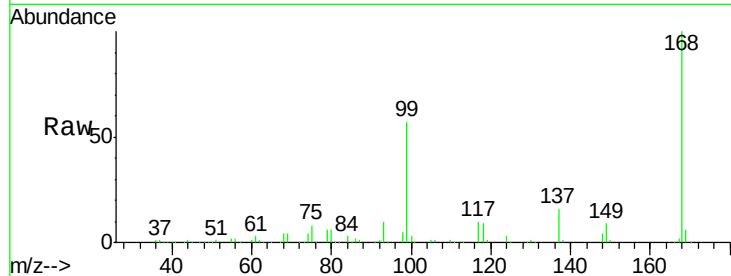
Tgt Ion:117 Resp: 21653

Ion Ratio Lower Upper

117 100

119 5.3 75.0 112.6#

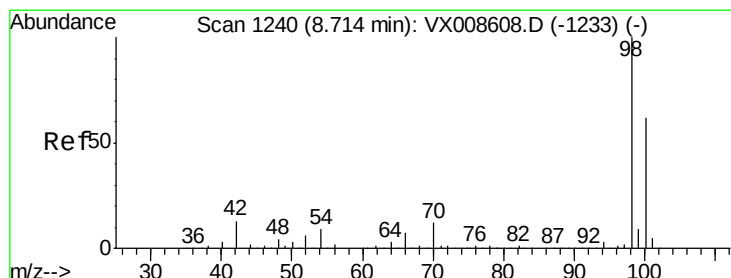
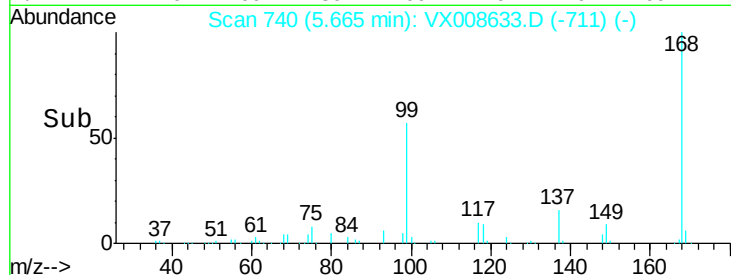
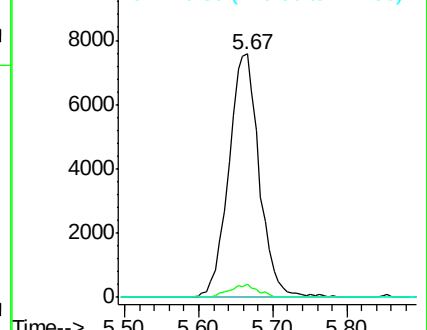
121 0.0 24.3 36.5#



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: 49.369 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008633.D

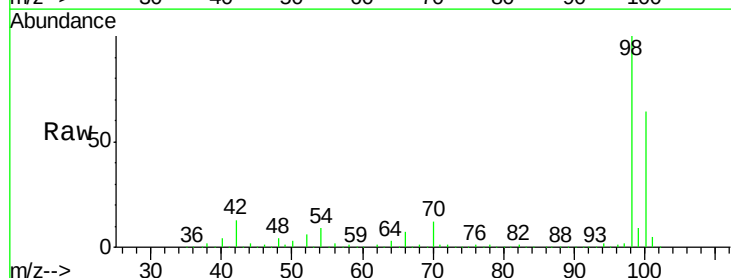
Acq: 04 Apr 2019 14:11

Tgt Ion: 98 Resp: 462490

Ion Ratio Lower Upper

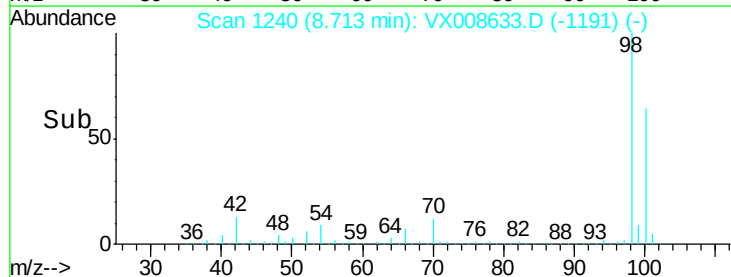
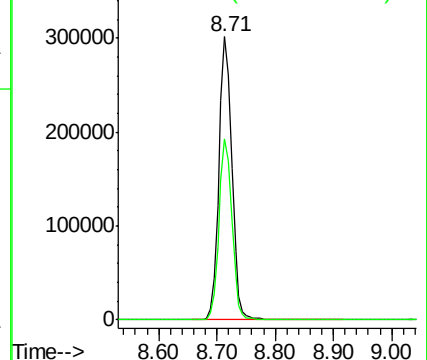
98 100

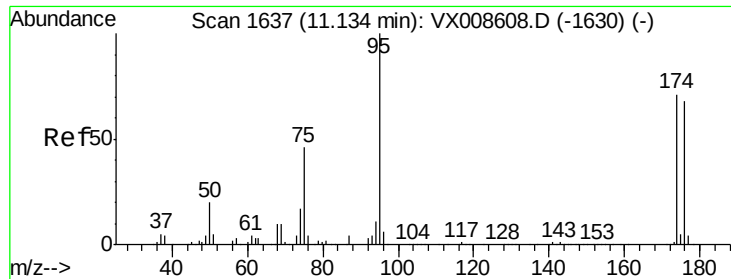
100 64.2 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

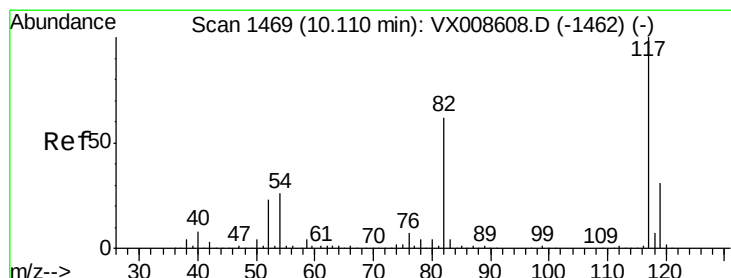
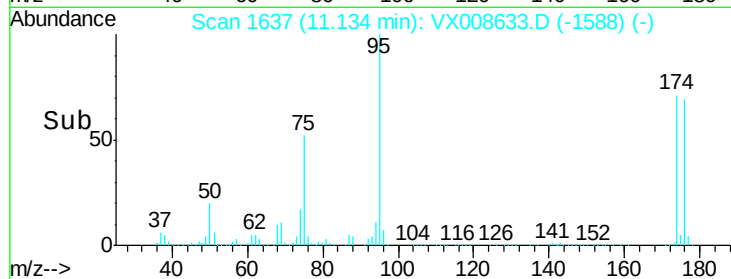
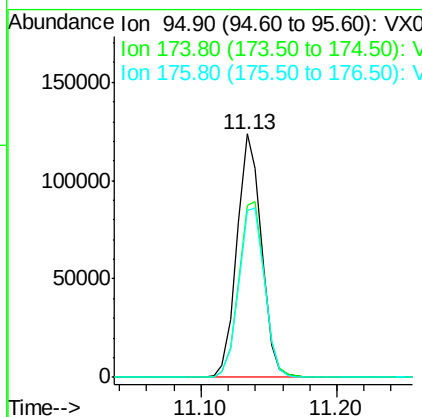
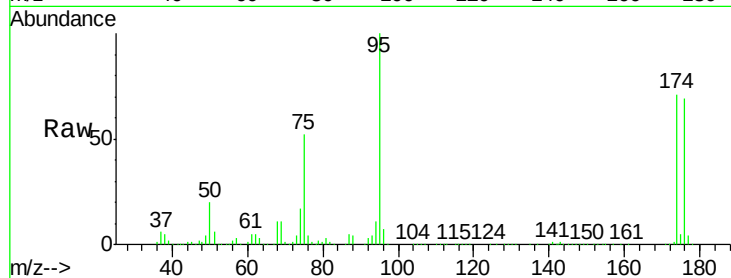




#62
4-Bromofluorobenzene
Concen: 46.591 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008633.D
Acq: 04 Apr 2019 14:11

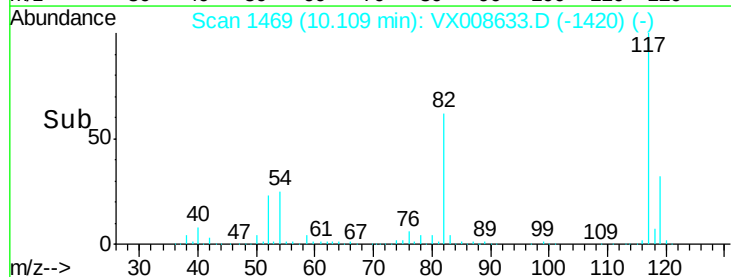
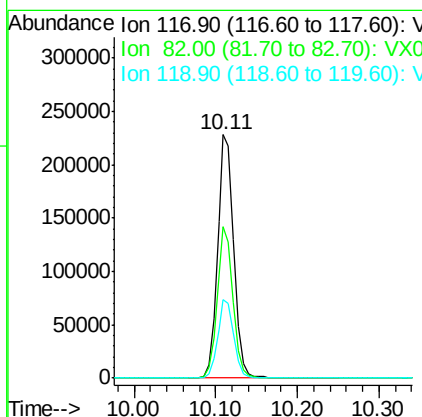
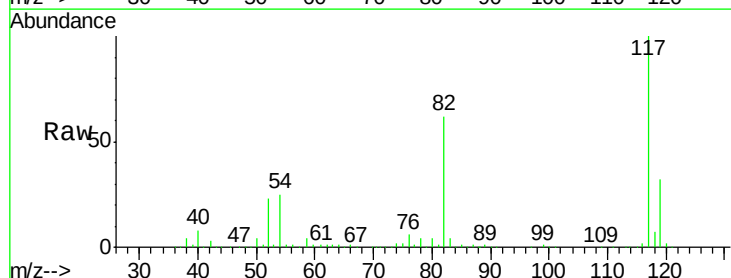
Instrument :
MSVOA_X
ClientSampleId :
TWP-02-DUP

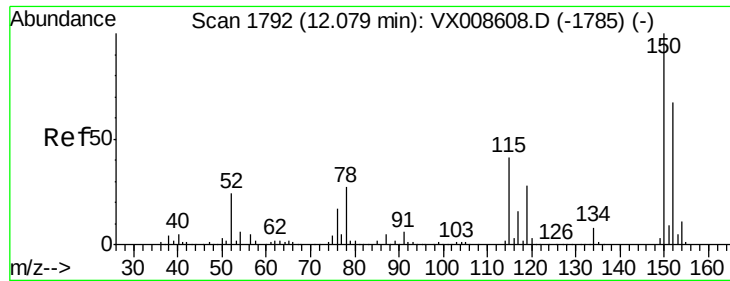
Tgt Ion: 95 Resp: 154779
Ion Ratio Lower Upper
95 100
174 76.1 0.0 151.8
176 73.5 0.0 145.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008633.D
Acq: 04 Apr 2019 14:11

Tgt Ion: 117 Resp: 317853
Ion Ratio Lower Upper
117 100
82 62.3 49.6 74.4
119 32.2 25.0 37.4



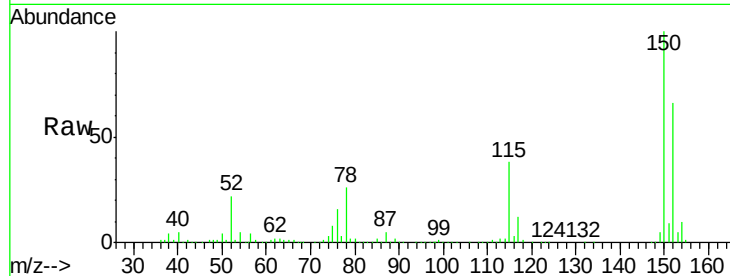


#72

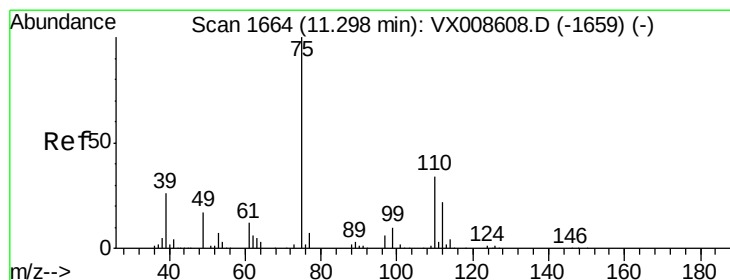
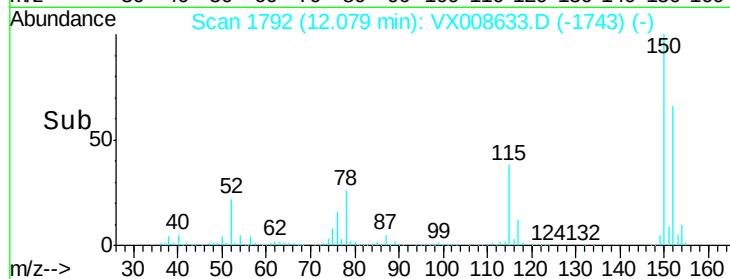
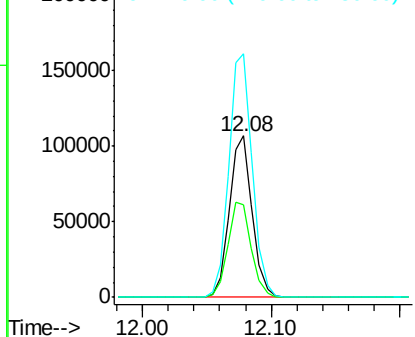
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008633.D
Acq: 04 Apr 2019 14:11

Instrument :
MSVOA_X
ClientSampleId :
TWP-02-DUP

Tgt Ion:152 Resp: 131790
Ion Ratio Lower Upper
152 100
115 60.8 43.5 130.5
150 156.2 0.0 348.8



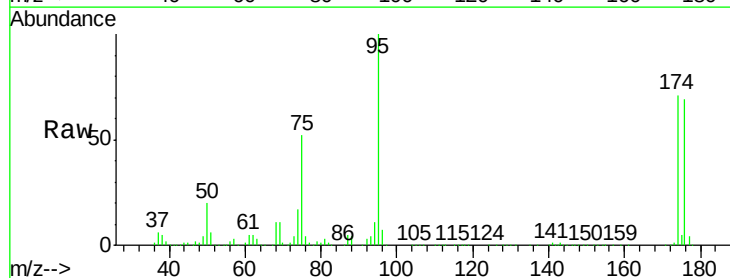
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



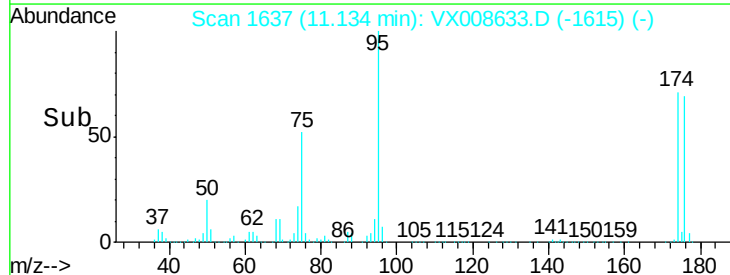
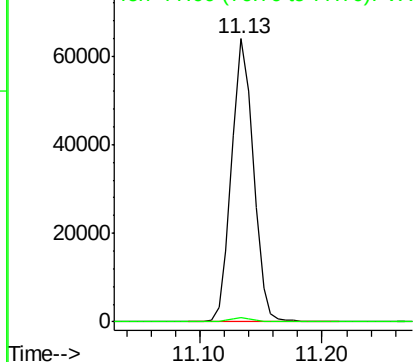
#76

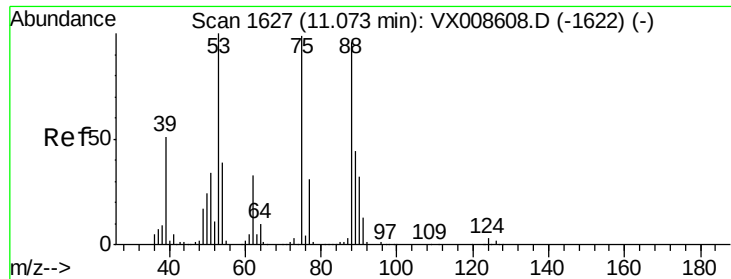
1,2,3-Trichloropropane
Concen: 21.749 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX008633.D
Acq: 04 Apr 2019 14:11

Tgt Ion: 75 Resp: 78741
Ion Ratio Lower Upper
75 100
77 1.4 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: 59.953 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008633.D

Acq: 04 Apr 2019 14:11

Instrument :

MSVOA_X

ClientSampleId :

TWP-02-DUP

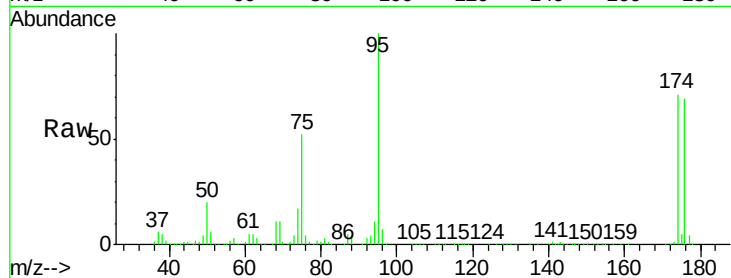
Tgt Ion: 75 Resp: 78741

Ion Ratio Lower Upper

75 100

53 0.1 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

