

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX040419\
 Data File : VX008631.D
 Acq On : 04 Apr 2019 13:24
 Operator : JC/SP
 Sample : K2263-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-040319

Quant Time: Apr 05 07:04:12 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	216612	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	366524	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	320488	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	133281	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	153734	48.66	ug/l	0.00
Spiked Amount			Recovery	=	97.32%	
35) Dibromofluoromethane	5.50	113	112322	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	
50) Toluene-d8	8.71	98	460025	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
62) 4-Bromofluorobenzene	11.13	95	156897	47.42	ug/l	0.00
Spiked Amount			Recovery	=	94.84%	

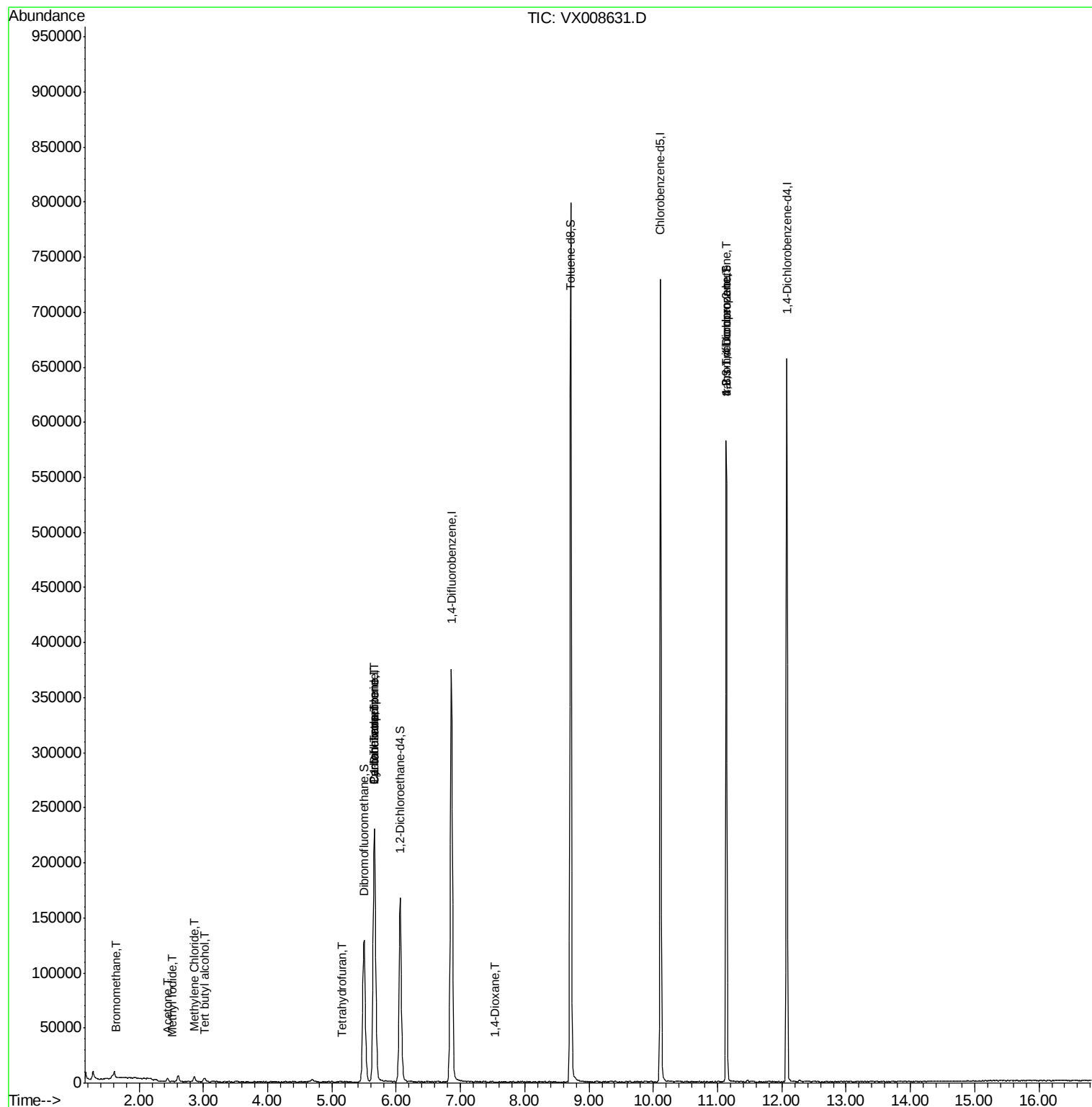
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	415	Below Cal		89
5) Bromomethane	1.64	94	337	2.081 ug/l #		72
6) Chloroethane	1.68	64	225	Below Cal #		62
10) Methyl Iodide	2.52	142	103	4.046 ug/l #		69
11) Tert butyl alcohol	3.01	59	2055	2.778 ug/l #		72
16) Acetone	2.44	43	3784	2.079 ug/l		99
17) Carbon Disulfide	2.57	76	628	Below Cal #		84
20) Methylene Chloride	2.86	84	2114	0.694 ug/l		90
28) Bromochloromethane	5.00	49	197	Below Cal #		22
29) Tetrahydrofuran	5.15	42	541	0.283 ug/l #		45
31) Cyclohexane	5.67	56	5047	0.925 ug/l #		1
36) 1,1-Dichloropropene	5.66	75	18152	4.531 ug/l #		51
38) Carbon Tetrachloride	5.66	117	21197	6.392 ug/l #		17
49) 1,4-Dioxane	7.54	88	20	0.252 ug/l #		1
76) 1,2,3-Trichloropropane	11.13	75	79691	21.765 ug/l #		34
81) trans-1,4-Dichloro-2-buten	11.13	75	79691	59.997 ug/l #		9

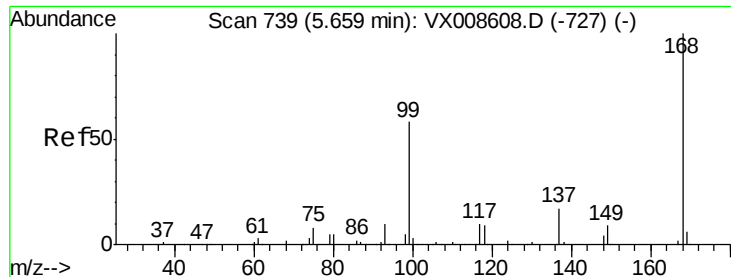
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008631.D

Acq: 04 Apr 2019 13:24

Instrument :

MSVOA_X

ClientSampleId :

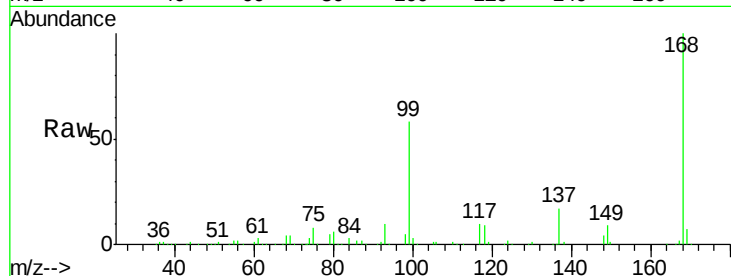
FB-040319

Tgt Ion:168 Resp: 216612

Ion Ratio Lower Upper

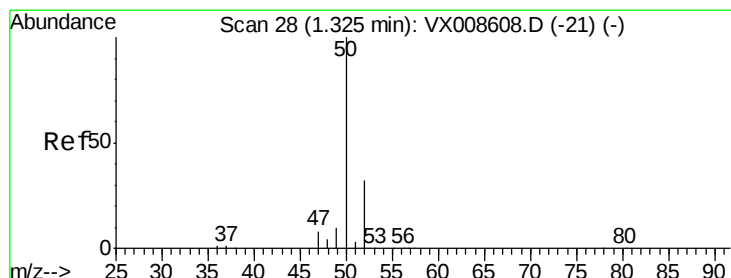
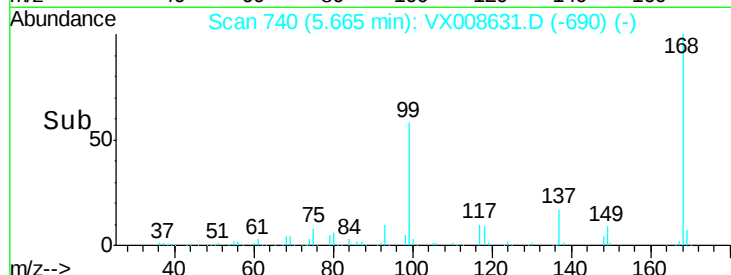
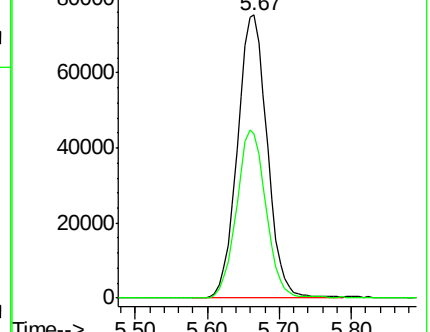
168 100

99 58.1 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: VX008631.D

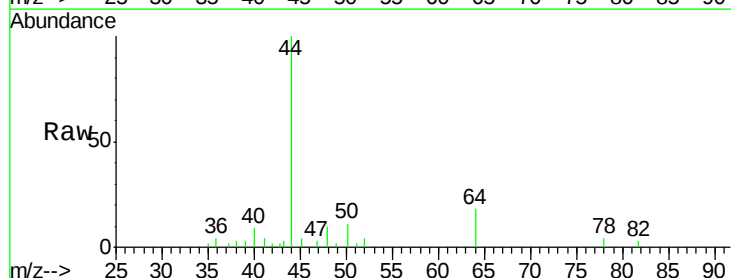
Acq: 04 Apr 2019 13:24

Tgt Ion: 50 Resp: 415

Ion Ratio Lower Upper

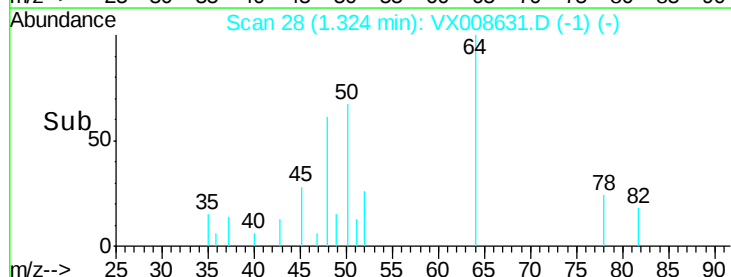
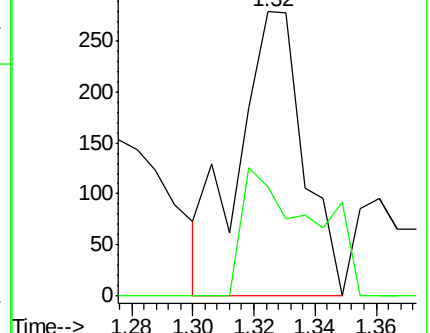
50 100

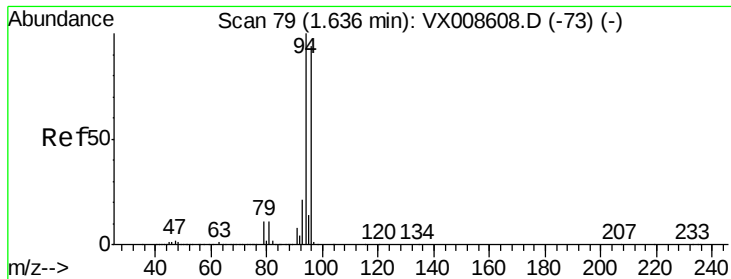
52 38.4 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 2.081 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008631.D

Acq: 04 Apr 2019 13:24

Instrument :

MSVOA_X

ClientSampled :

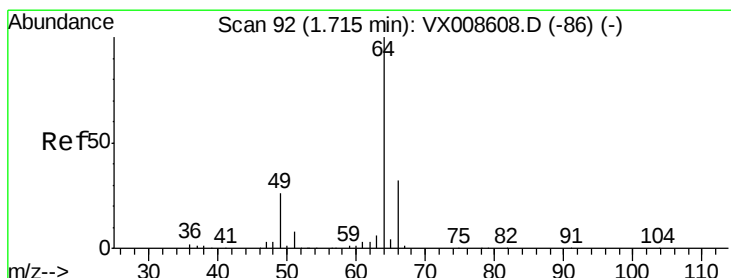
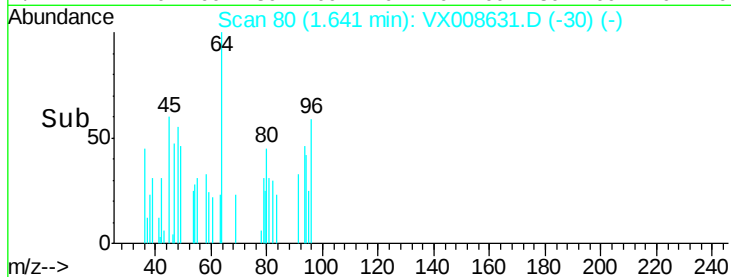
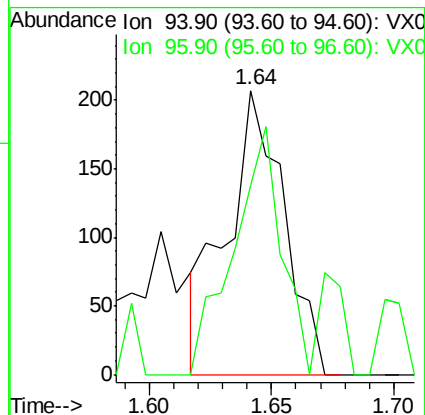
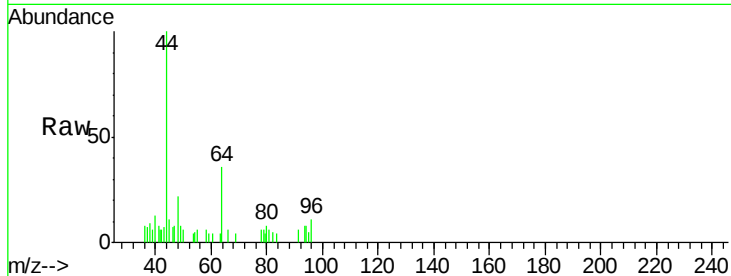
FB-040319

Tgt Ion: 94 Resp: 337

Ion Ratio Lower Upper

94 100

96 66.7 75.2 112.8#



#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 86

Delta R.T. -0.04 min

Lab File: VX008631.D

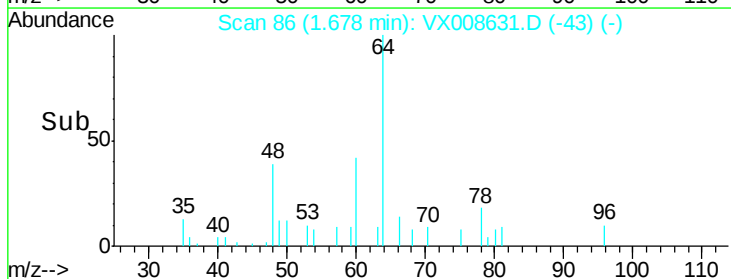
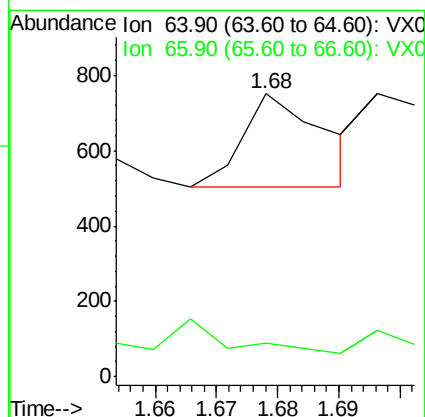
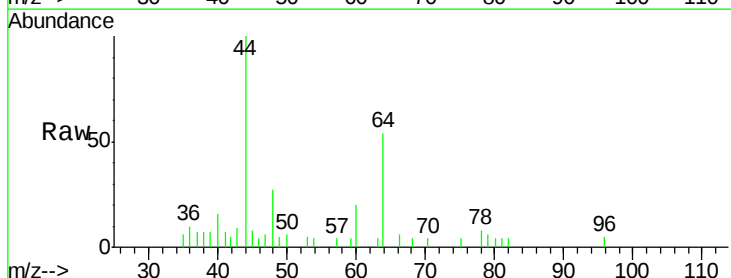
Acq: 04 Apr 2019 13:24

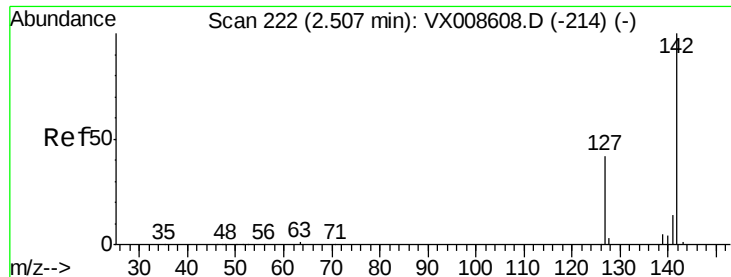
Tgt Ion: 64 Resp: 225

Ion Ratio Lower Upper

64 100

66 10.6 25.4 38.0#

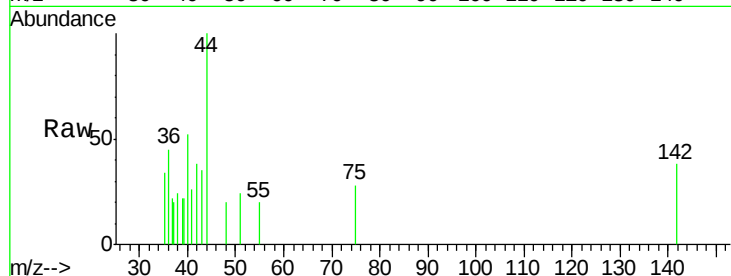




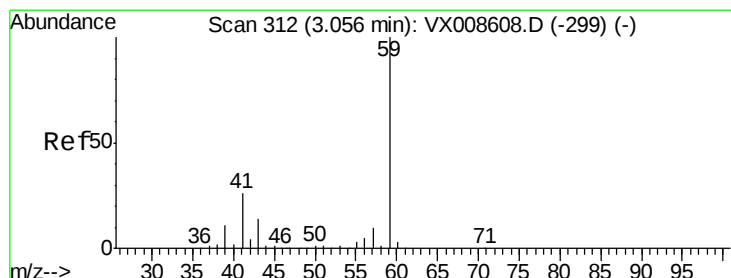
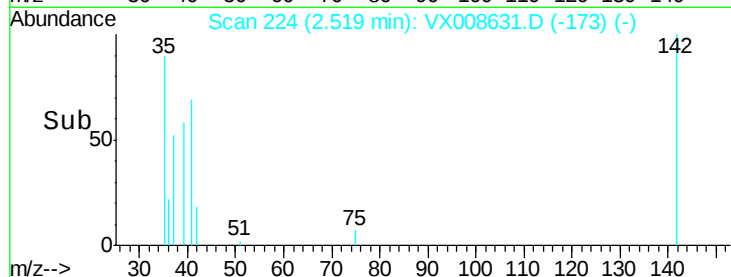
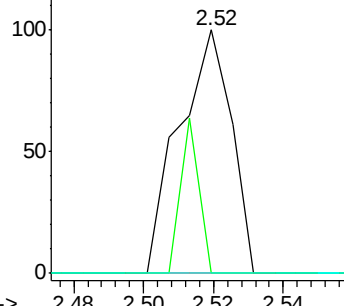
#10
Methyl Iodide
Concen: 4.046 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX008631.D
Acq: 04 Apr 2019 13:24

Instrument :
MSVOA_X
ClientSampled :
FB-040319

Tgt Ion: 142 Resp: 103
Ion Ratio Lower Upper
142 100
127 22.3 33.0 49.6#
141 0.0 11.4 17.2#

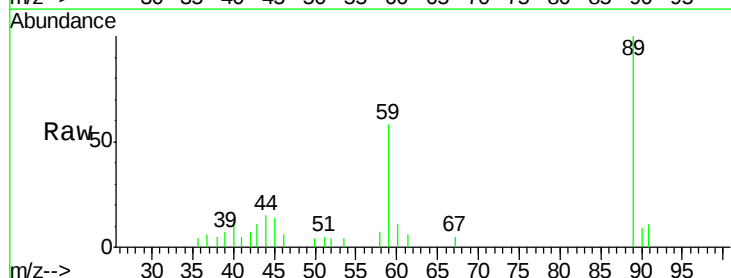


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

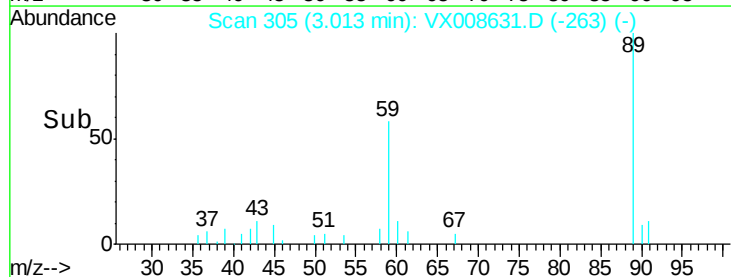
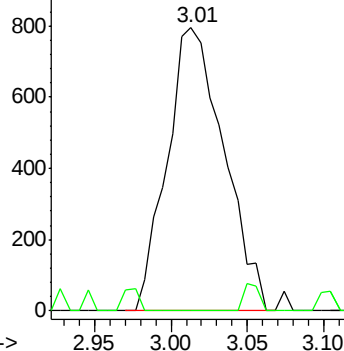


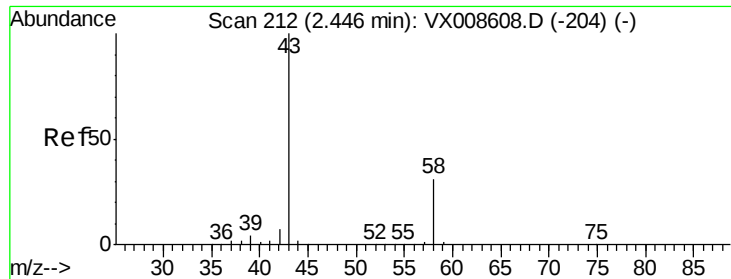
#11
Tert butyl alcohol
Concen: 2.778 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX008631.D
Acq: 04 Apr 2019 13:24

Tgt Ion: 59 Resp: 2055
Ion Ratio Lower Upper
59 100
57 0.0 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: 2.079 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008631.D

Acq: 04 Apr 2019 13:24

Instrument :

MSVOA_X

ClientSampleId :

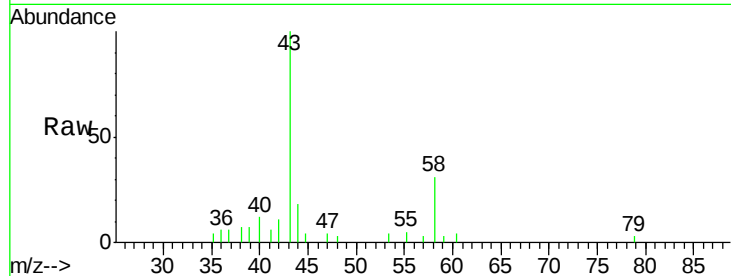
FB-040319

Tgt Ion: 43 Resp: 3784

Ion Ratio Lower Upper

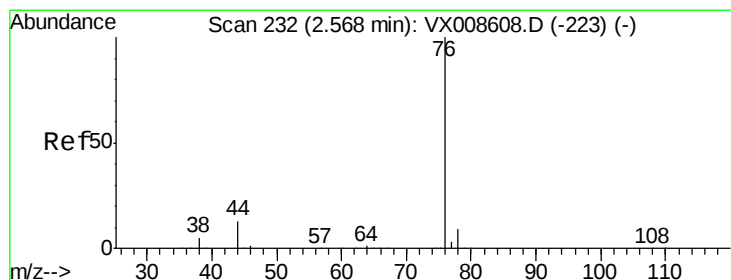
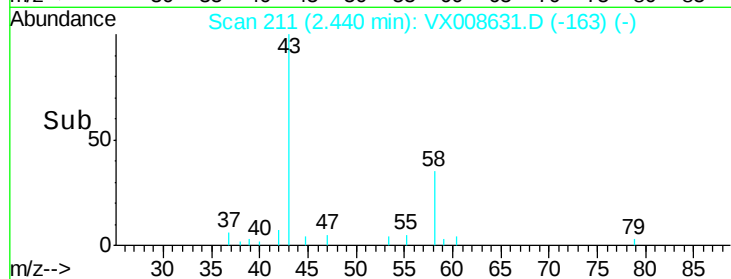
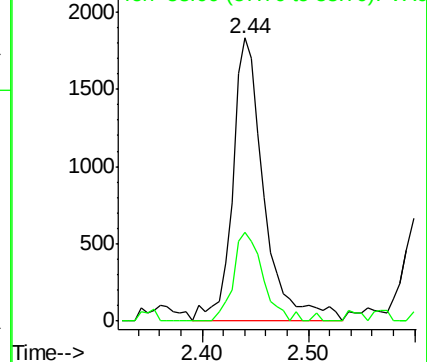
43 100

58 31.5 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: VX008631.D

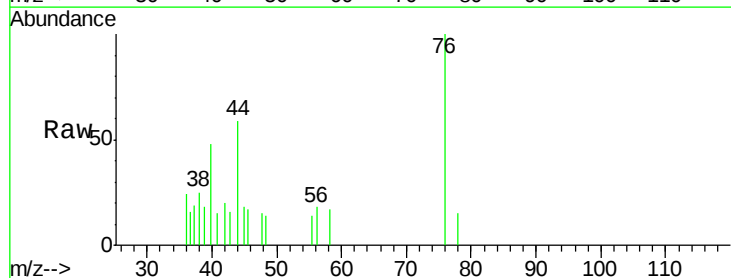
Acq: 04 Apr 2019 13:24

Tgt Ion: 76 Resp: 628

Ion Ratio Lower Upper

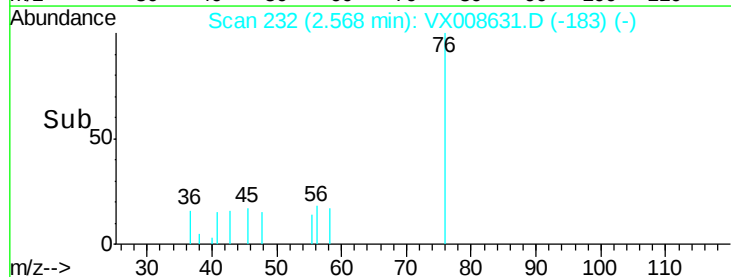
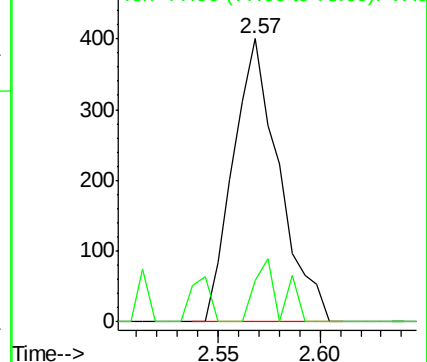
76 100

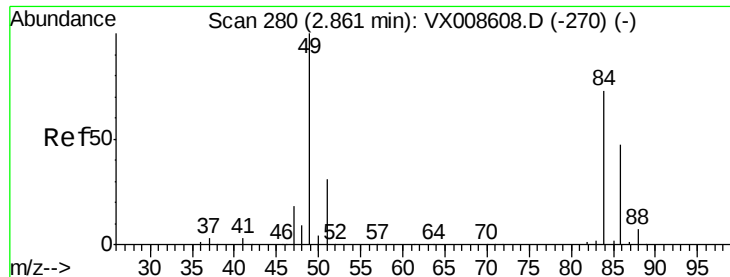
78 14.5 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

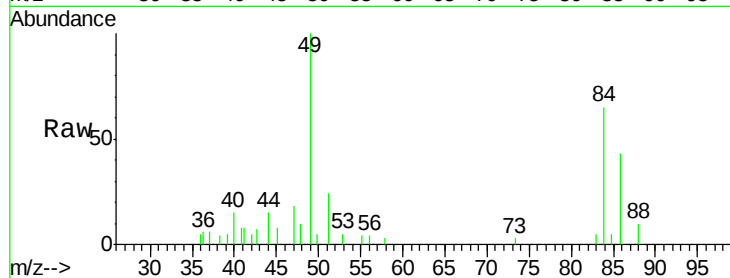




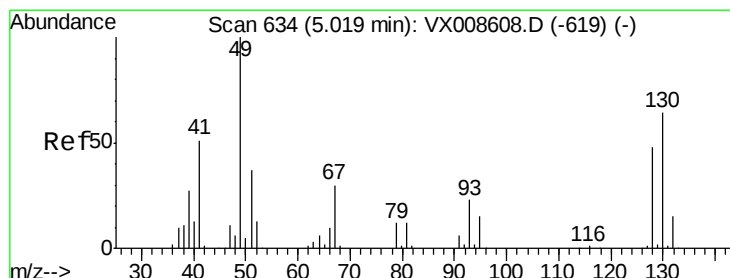
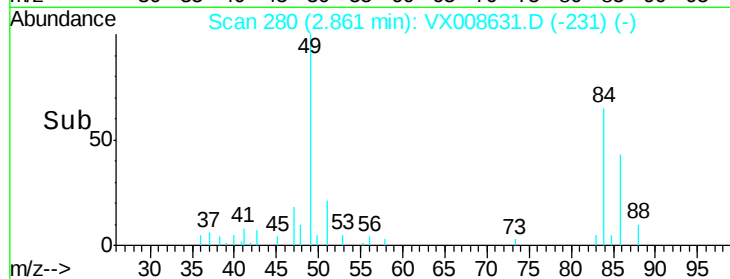
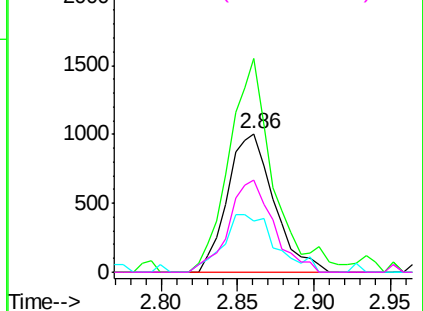
#20
Methylene Chloride
Concen: 0.694 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX008631.D
Acq: 04 Apr 2019 13:24

Instrument :
MSVOA_X
ClientSampleId :
FB-040319

Tgt Ion: 84 Resp: 2114
Ion Ratio Lower Upper
84 100
49 154.4 109.7 164.5
51 37.5 33.6 50.4
86 66.6 51.4 77.2

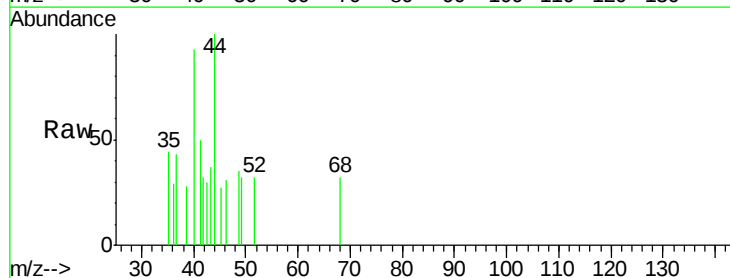


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

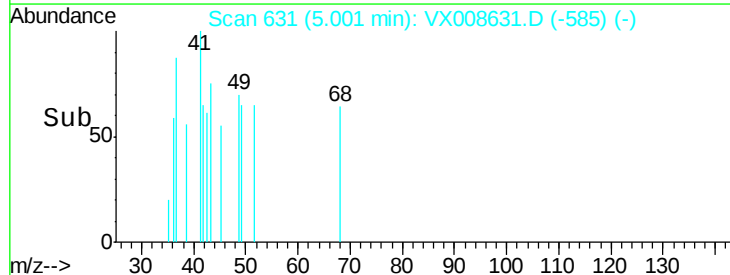
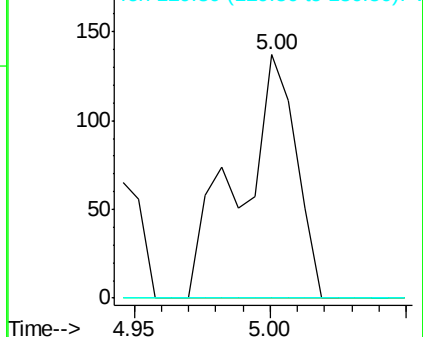


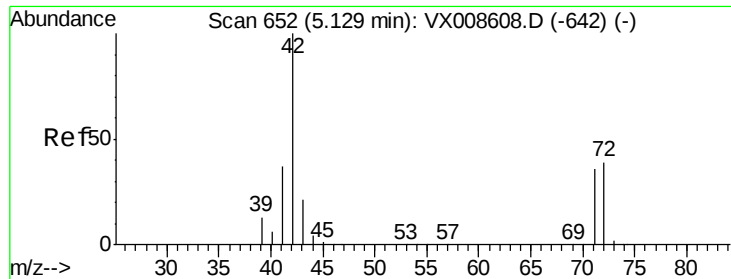
#28
Bromochloromethane
Concen: Below Cal
RT: 5.00 min Scan# 631
Delta R.T. -0.02 min
Lab File: VX008631.D
Acq: 04 Apr 2019 13:24

Tgt Ion: 49 Resp: 197
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

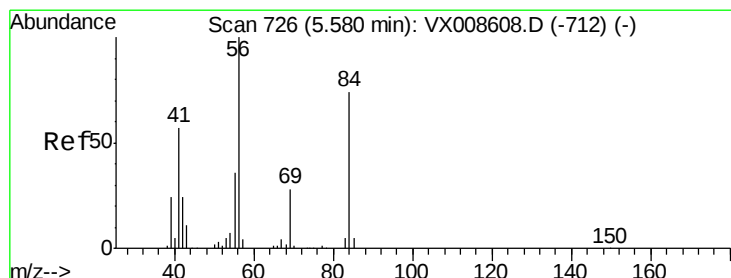
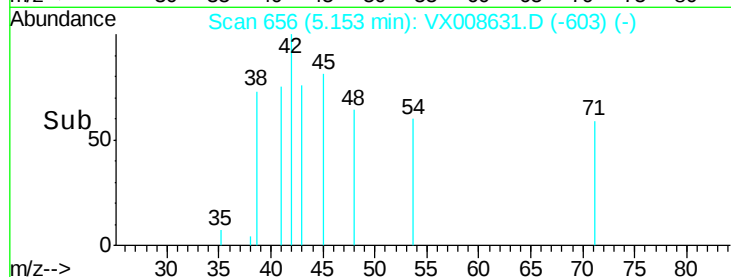
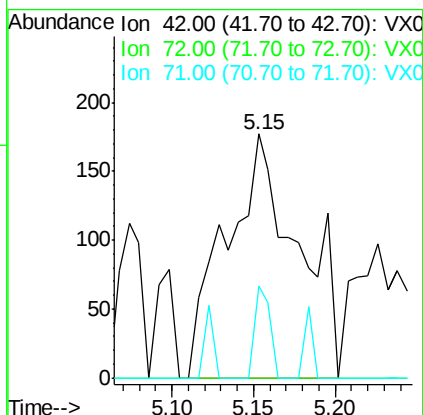
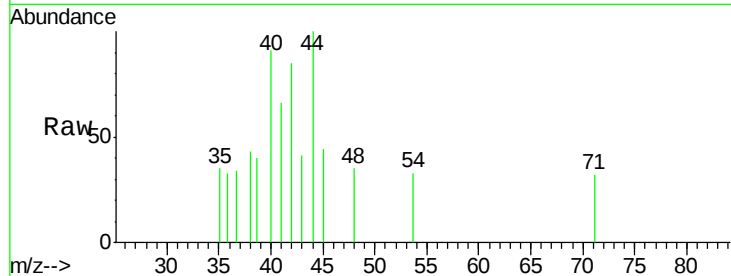




#29
Tetrahydrofuran
Concen: 0.283 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.02 min
Lab File: VX008631.D
Acq: 04 Apr 2019 13:24

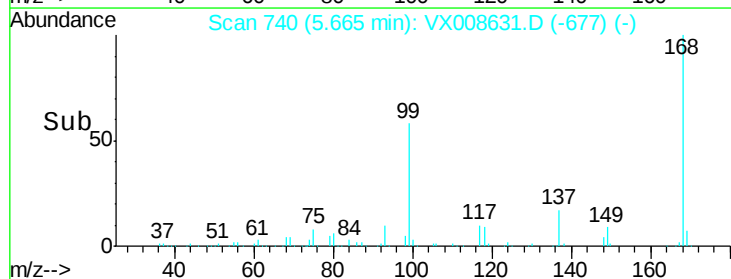
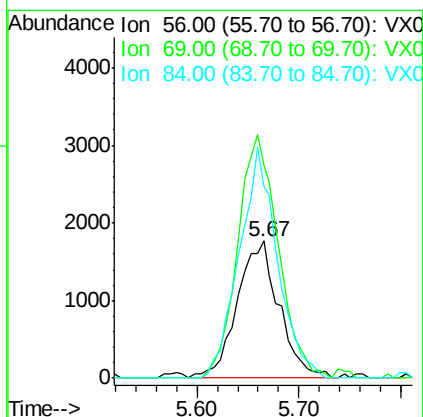
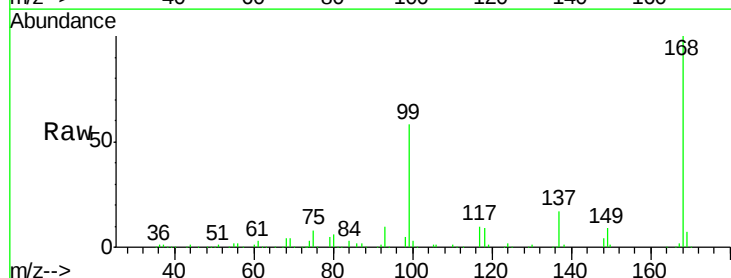
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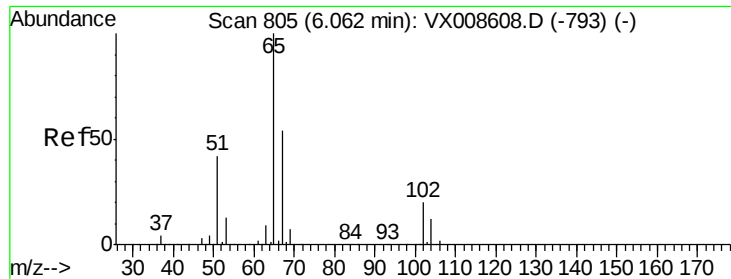
Tgt Ion: 42 Resp: 541
Ion Ratio Lower Upper
42 100
72 0.0 30.5 45.7#
71 8.3 28.6 43.0#



#31
Cyclohexane
Concen: 0.925 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX008631.D
Acq: 04 Apr 2019 13:24

Tgt Ion: 56 Resp: 5047
Ion Ratio Lower Upper
56 100
69 155.0 22.6 33.8#
84 139.2 59.3 88.9#

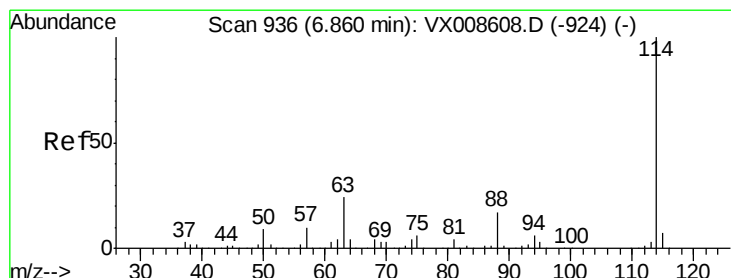
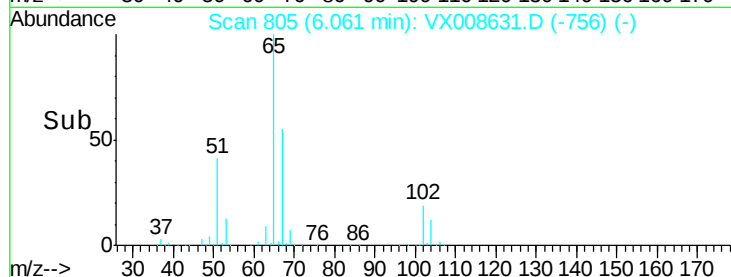
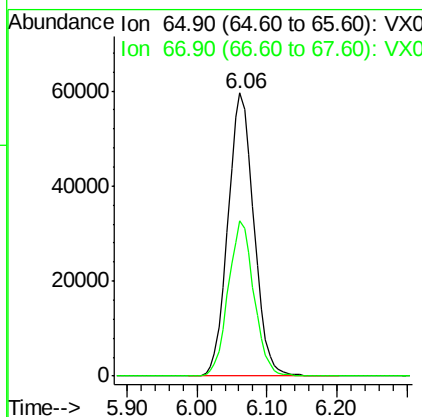
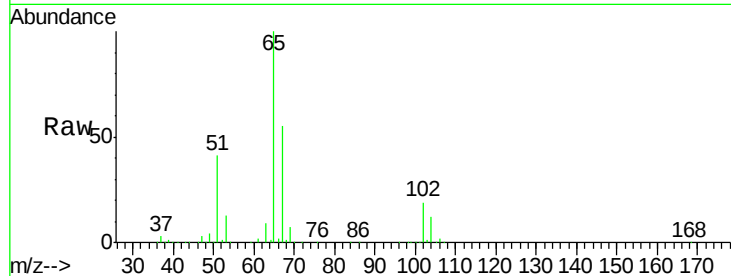




#33
 1,2-Dichloroethane-d4
 Concen: 48.659 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008631.D
 Acq: 04 Apr 2019 13:24

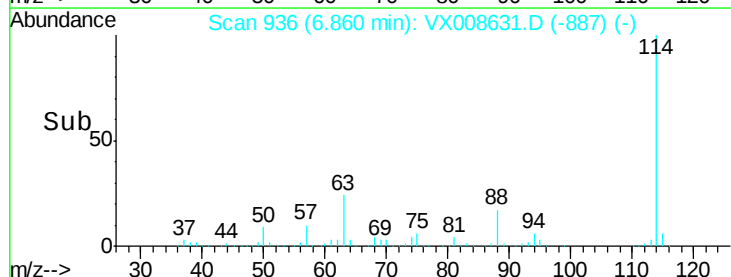
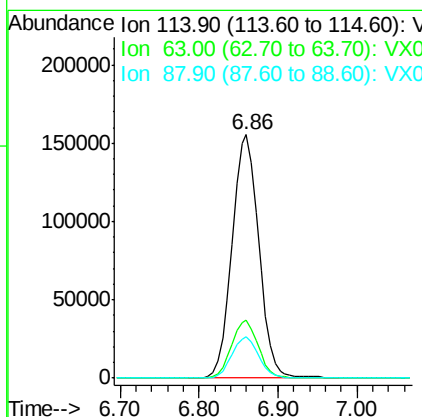
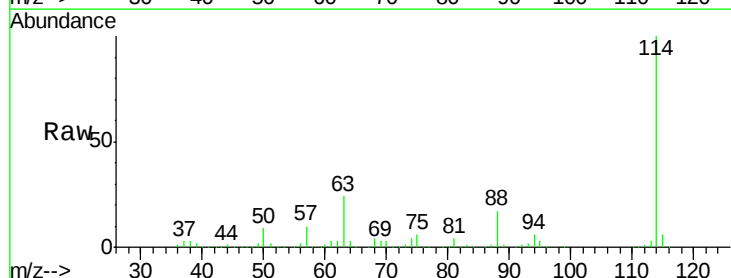
Instrument :
 MSVOA_X
 ClientSampleId :
 FB-040319

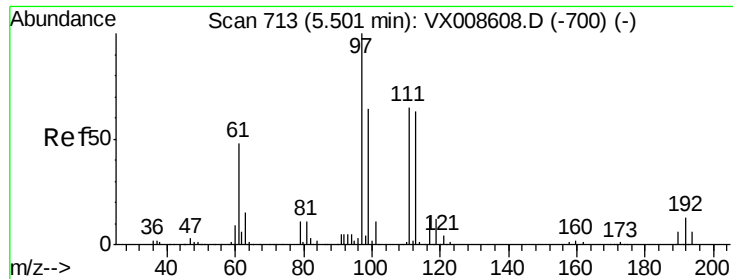
Tgt Ion: 65 Resp: 153734
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008631.D
 Acq: 04 Apr 2019 13:24

Tgt Ion: 114 Resp: 366524
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 47.2
 88 17.1 0.0 34.0

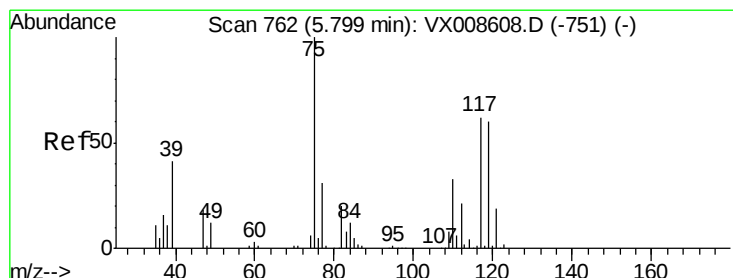
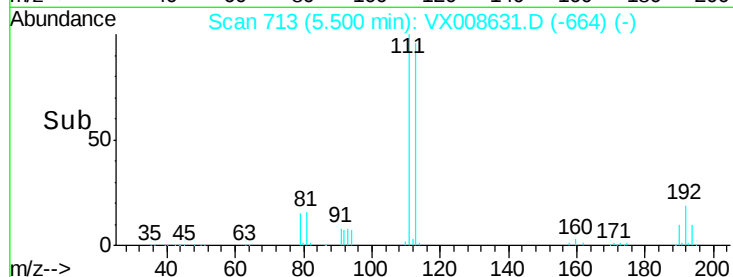
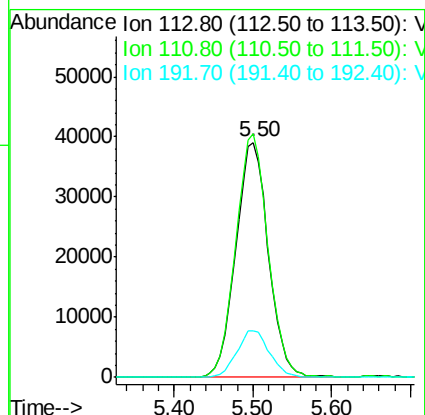
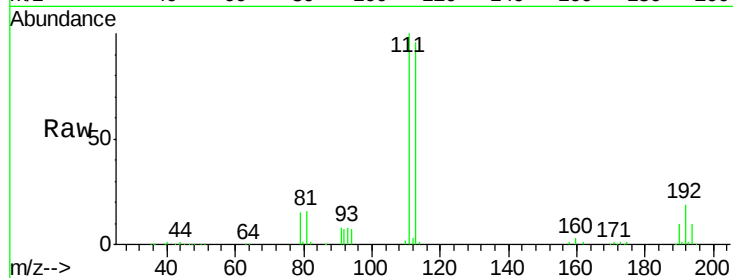




#35
 Dibromofluoromethane
 Concen: 47.931 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008631.D
 Acq: 04 Apr 2019 13:24

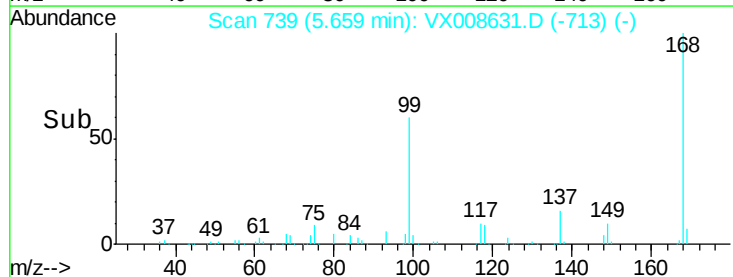
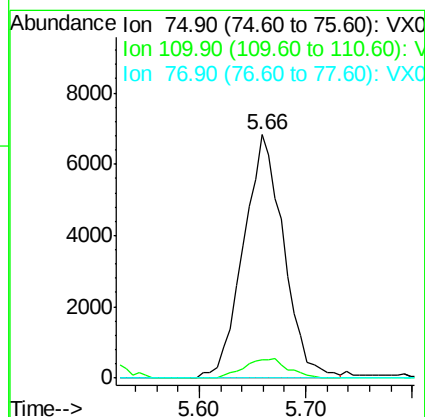
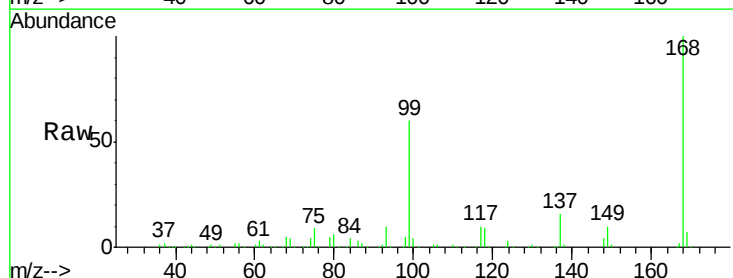
Instrument :
 MSVOA_X
 ClientSampled :
 FB-040319

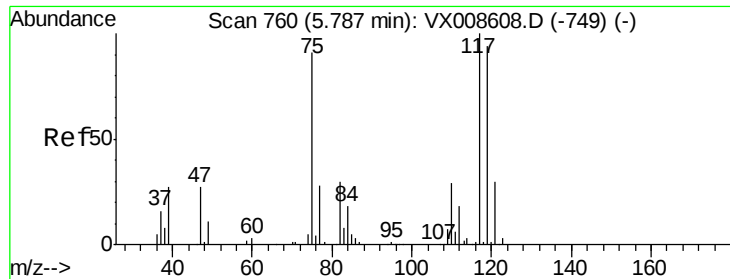
Tgt Ion:113 Resp: 112322
 Ion Ratio Lower Upper
 113 100
 111 102.6 83.4 125.2
 192 20.0 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 4.531 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008631.D
 Acq: 04 Apr 2019 13:24

Tgt Ion: 75 Resp: 18152
 Ion Ratio Lower Upper
 75 100
 110 8.6 16.4 49.2#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.392 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008631.D

Acq: 04 Apr 2019 13:24

Instrument :

MSVOA_X

ClientSampleId :

FB-040319

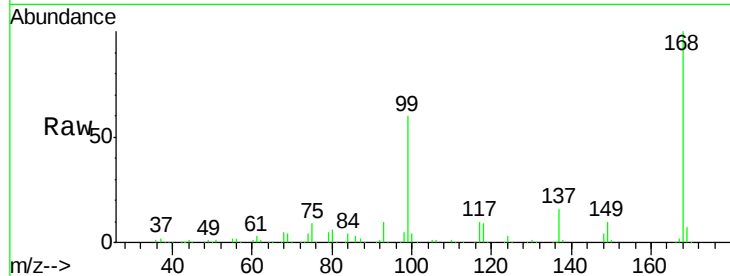
Tgt Ion: 117 Resp: 21197

Ion Ratio Lower Upper

117 100

119 4.8 75.0 112.6#

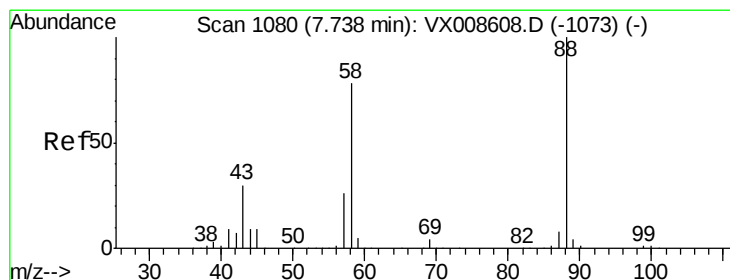
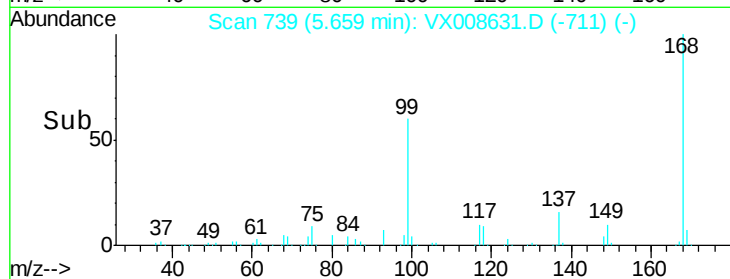
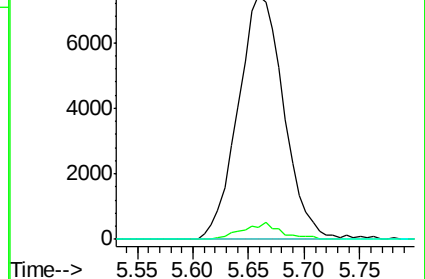
121 0.0 24.3 36.5#



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



#49

1,4-Dioxane

Concen: 0.252 ug/l

RT: 7.54 min Scan# 1047

Delta R.T. -0.20 min

Lab File: VX008631.D

Acq: 04 Apr 2019 13:24

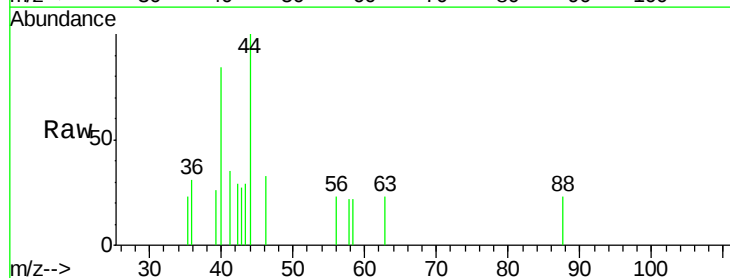
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 240.0 28.6 43.0#

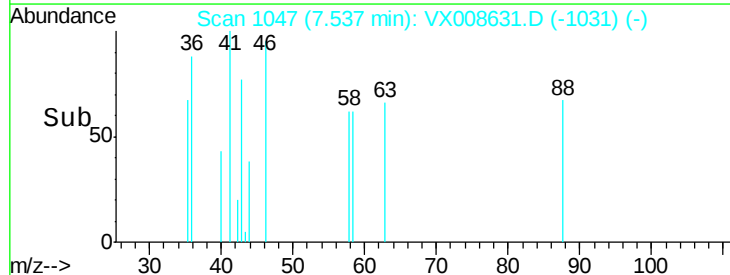
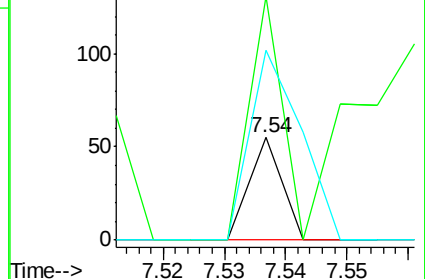
58 295.0 62.2 93.2#

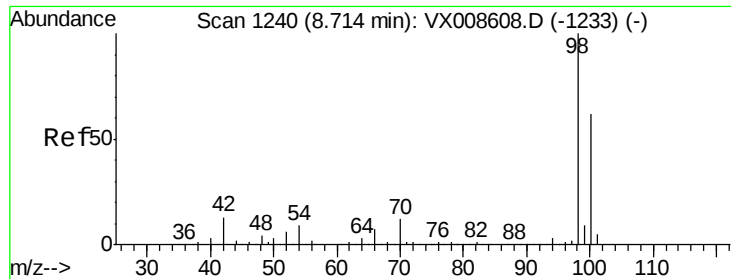


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

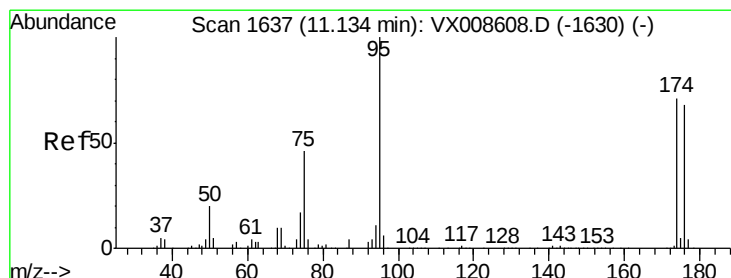
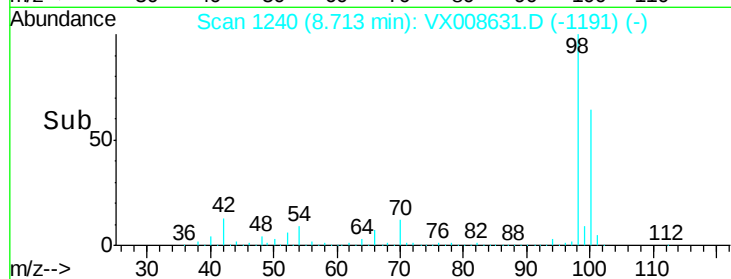
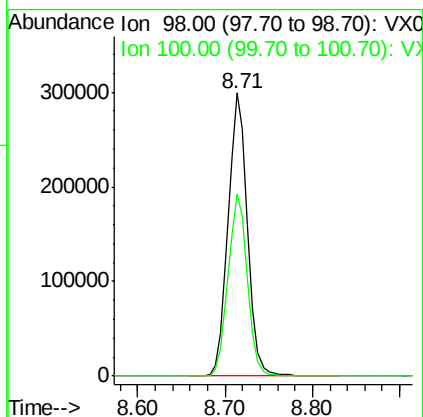
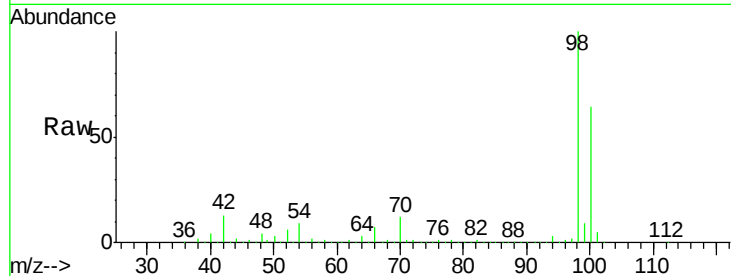




#50
Toluene-d8
Concen: 49.301 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008631.D
Acq: 04 Apr 2019 13:24

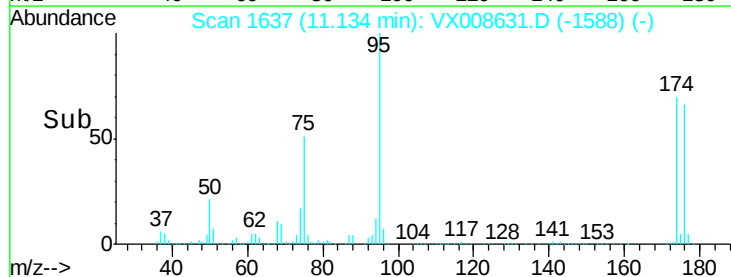
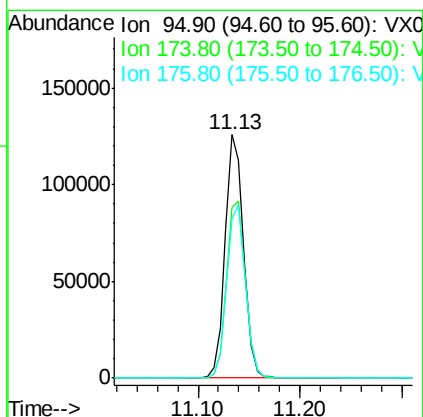
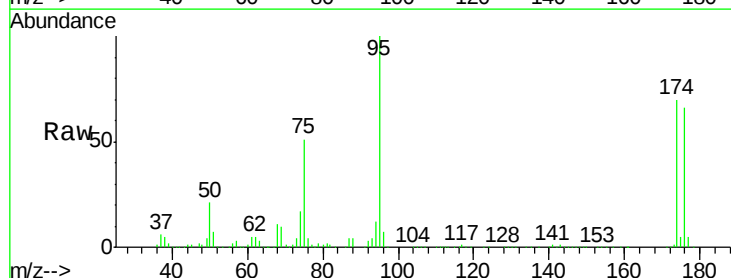
Instrument :
MSVOA_X
ClientSampleId :
FB-040319

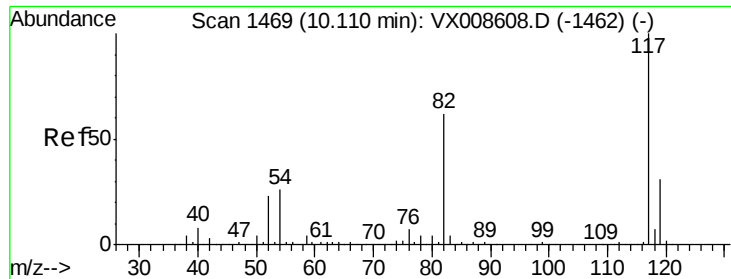
Tgt Ion: 98 Resp: 460025
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 47.417 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008631.D
Acq: 04 Apr 2019 13:24

Tgt Ion: 95 Resp: 156897
Ion Ratio Lower Upper
95 100
174 74.8 0.0 151.8
176 72.6 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: VX008631.D

Acq: 04 Apr 2019 13:24

Instrument :

MSVOA_X

ClientSampleId :

FB-040319

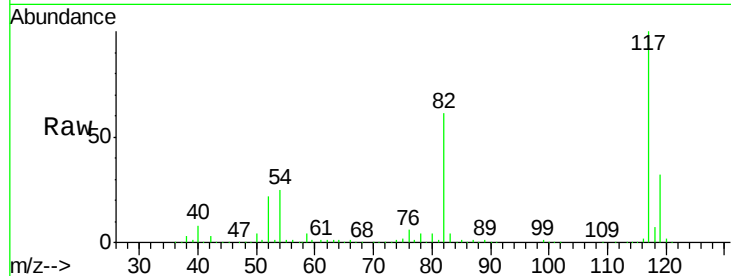
Tgt Ion:117 Resp: 320488

Ion Ratio Lower Upper

117 100

82 60.9 49.6 74.4

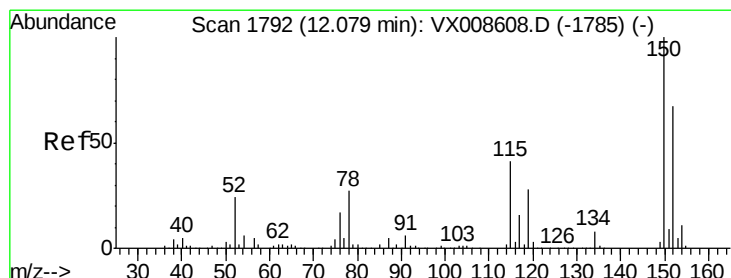
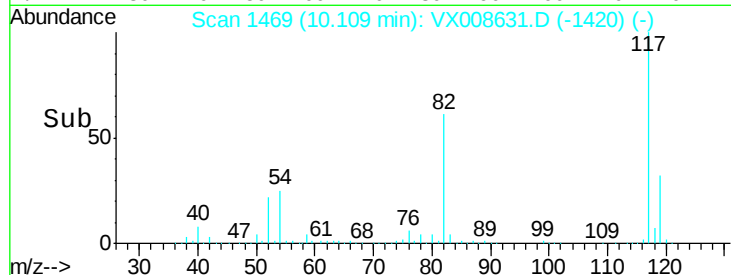
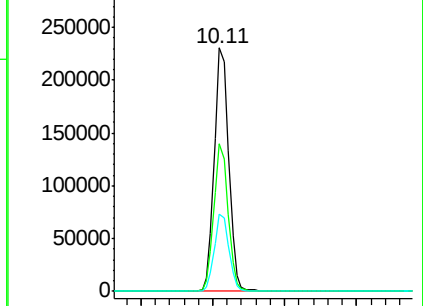
119 31.8 25.0 37.4



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: VX008631.D

Acq: 04 Apr 2019 13:24

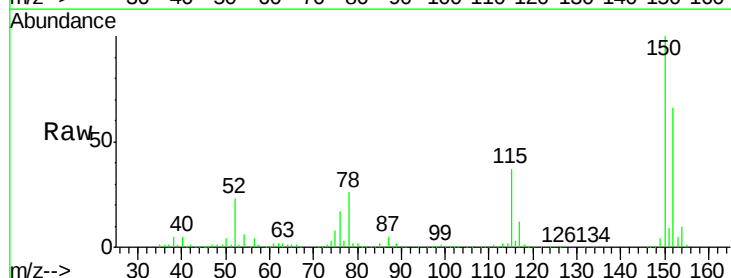
Tgt Ion:152 Resp: 133281

Ion Ratio Lower Upper

152 100

115 59.8 43.5 130.5

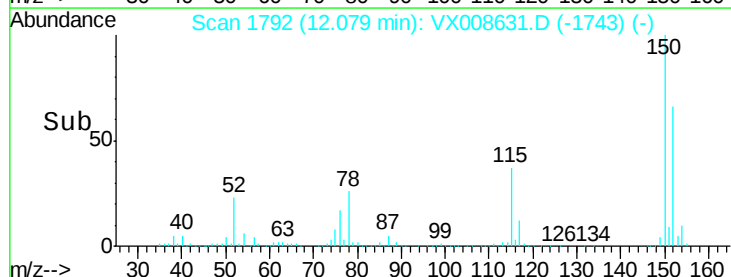
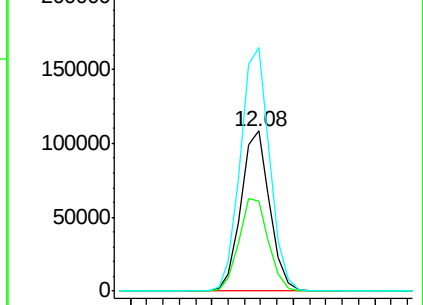
150 155.4 0.0 348.8

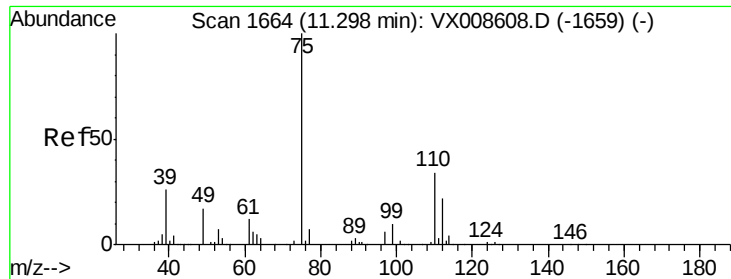


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.765 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008631.D

Acq: 04 Apr 2019 13:24

Instrument :

MSVOA_X

ClientSampleId :

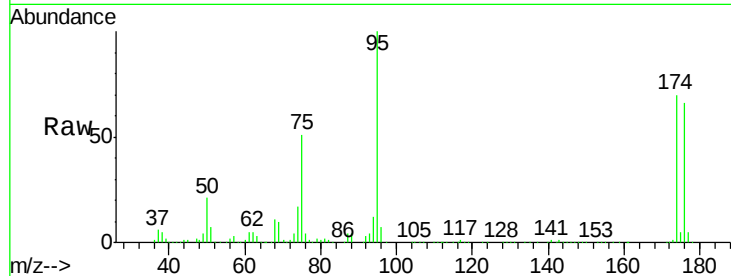
FB-040319

Tgt Ion: 75 Resp: 79691

Ion Ratio Lower Upper

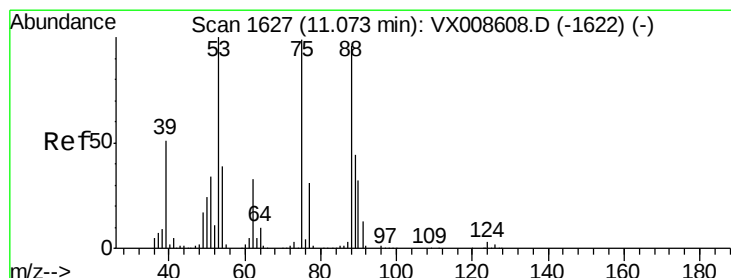
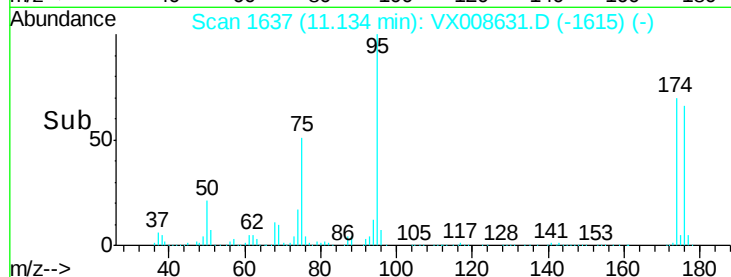
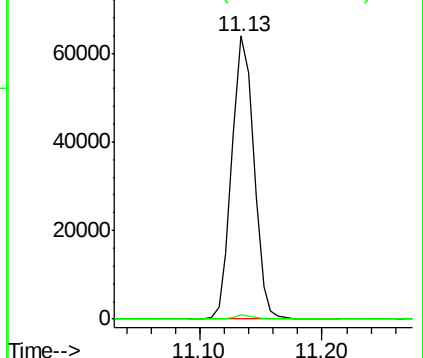
75 100

77 1.3 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: 59.997 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008631.D

Acq: 04 Apr 2019 13:24

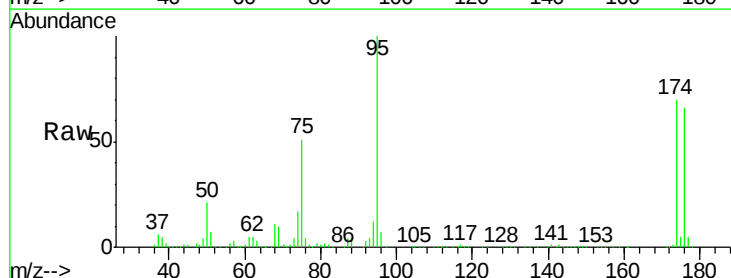
Tgt Ion: 75 Resp: 79691

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

