

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081518\
 Data File : VX004102.D
 Acq On : 16 Aug 2018 05:20
 Operator : JC/MD
 Sample : J4495-05DL 4X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW612-180814DL

Quant Time: Aug 16 07:19:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	238747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	383446	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	360349	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	216313	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	184155	54.75	ug/l	0.00
Spiked Amount			Recovery	=	109.50%	
35) Dibromofluoromethane	5.50	113	153312	53.42	ug/l	0.00
Spiked Amount			Recovery	=	106.84%	
50) Toluene-d8	8.71	98	554633	47.67	ug/l	0.00
Spiked Amount			Recovery	=	95.34%	
62) 4-Bromofluorobenzene	11.14	95	193499	45.85	ug/l	0.00
Spiked Amount			Recovery	=	91.70%	

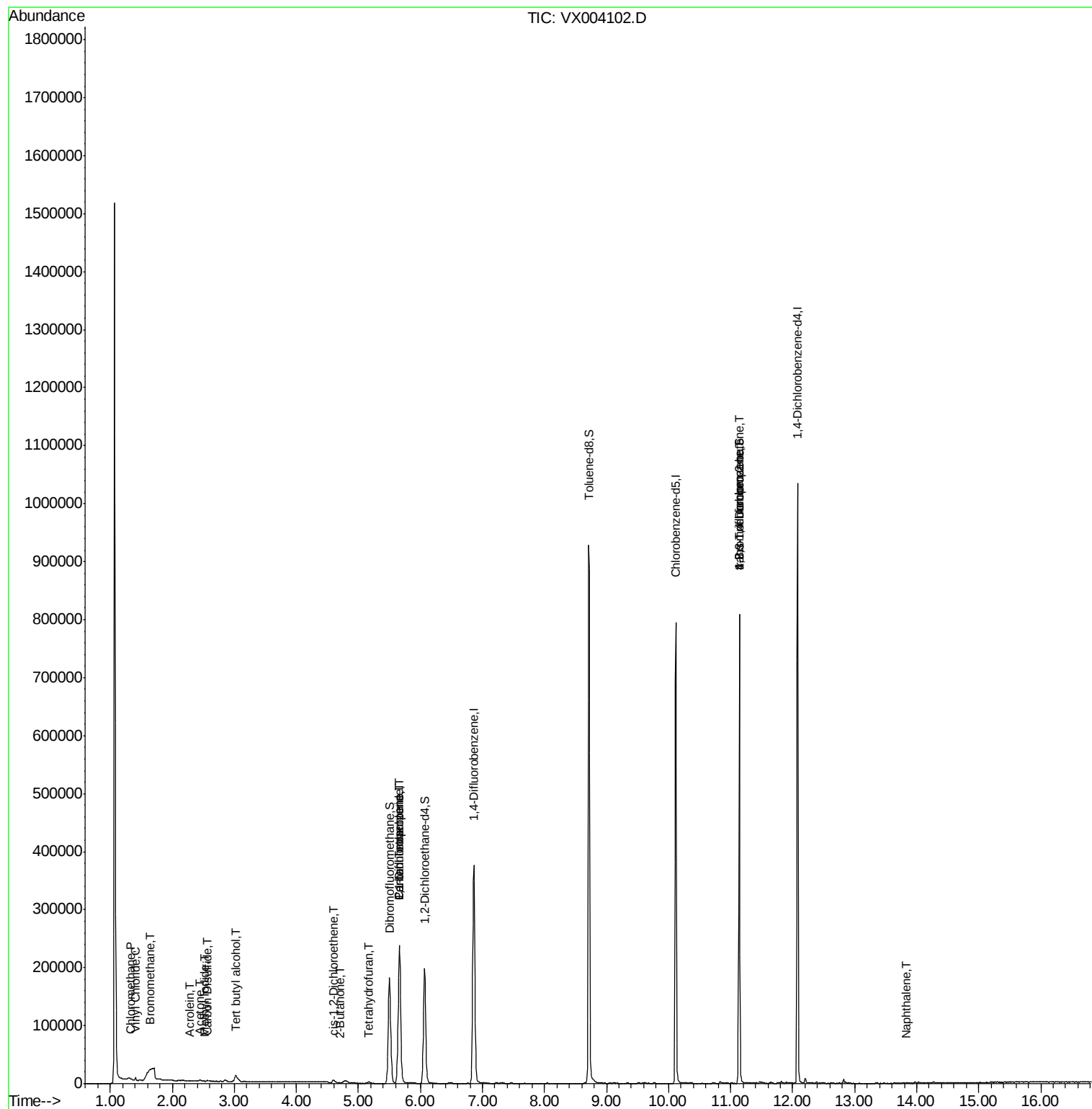
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	640	0.22	ug/l	96
4) Vinyl Chloride	1.40	62	3450	1.12	ug/l	90
5) Bromomethane	1.64	94	1106	0.53	ug/l	96
6) Chloroethane	1.73	64	1069	Below Cal	#	70
10) Methyl Iodide	2.51	142	660	5.22	ug/l	# 79
11) Tert butyl alcohol	3.02	59	10572	15.61	ug/l	# 75
13) Acrolein	2.28	56	153	11.27	ug/l	# 74
16) Acetone	2.45	43	3186	1.82	ug/l	99
17) Carbon Disulfide	2.57	76	1913	0.27	ug/l	# 81
20) Methylene Chloride	2.85	84	1592	Below Cal		93
25) 2-Butanone	4.71	43	865	0.30	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	2864	0.89	ug/l	68
29) Tetrahydrofuran	5.16	42	2103	1.45	ug/l	# 87
36) 1,1-Dichloropropene	5.67	75	16414	3.76	ug/l	# 49
38) Carbon Tetrachloride	5.66	117	21619	5.10	ug/l	# 15
76) 1,2,3-Trichloropropane	11.14	75	95051	21.91	ug/l	# 36
81) trans-1,4-Dichloro-2-buten	11.14	75	95051	67.83	ug/l	# 10
95) Naphthalene	13.83	128	552	1.18	ug/l	# 69

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX004102.D

Acq: 16 Aug 2018 05:20

Instrument :

MSVOA_X

ClientSampleId :

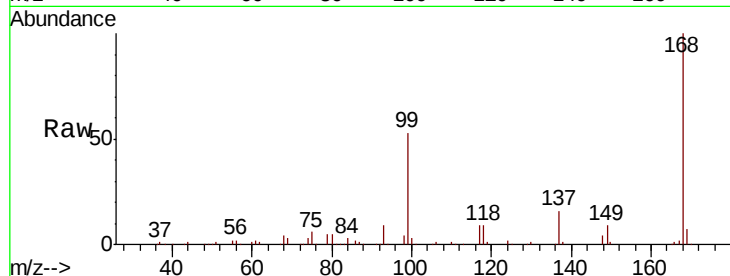
SS050MW612-180814DL

Tot Ion:168 Resp: 238747

Ion Ratio Lower Upper

168 100

99 52.5 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

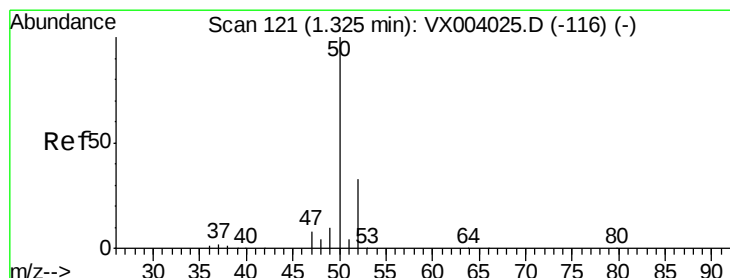
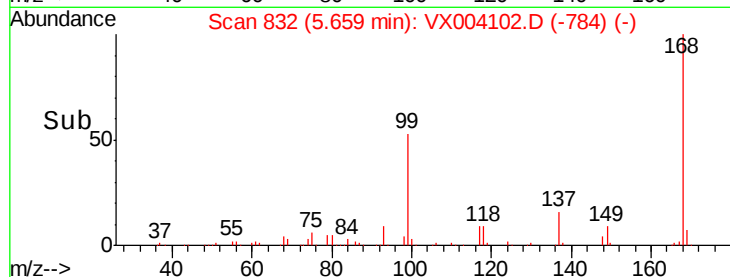
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.22 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX004102.D

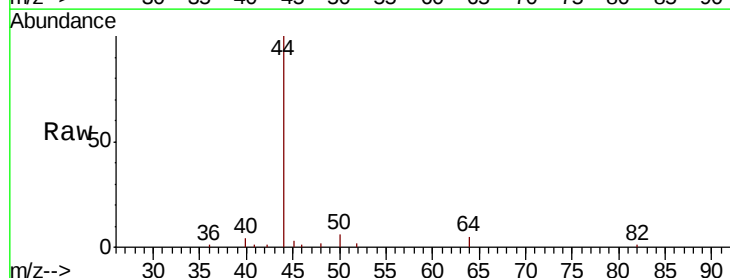
Acq: 16 Aug 2018 05:20

Tgt Ion: 50 Resp: 640

Ion Ratio Lower Upper

50 100

52 31.1 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

400

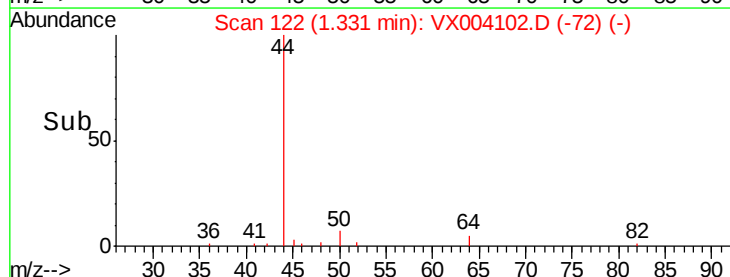
300

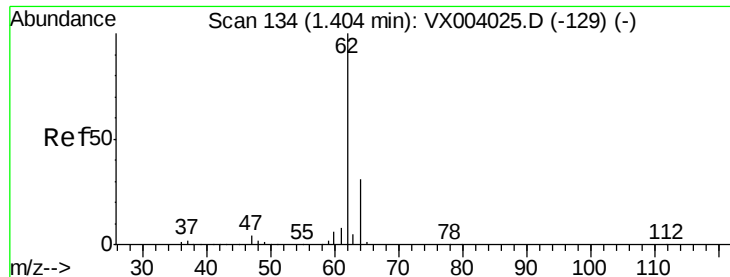
200

100

0

Time--> 1.30 1.35





#4

Vinyl Chloride

Concen: 1.12 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004102.D

Acq: 16 Aug 2018 05:20

Instrument :

MSVOA_X

ClientSampleId :

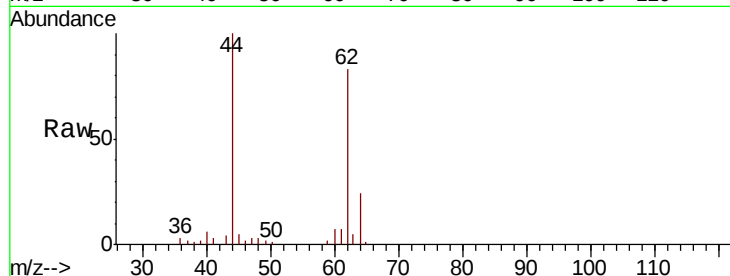
SS050MW612-180814DL

Tot Ion: 62 Resp: 3450

Ion Ratio Lower Upper

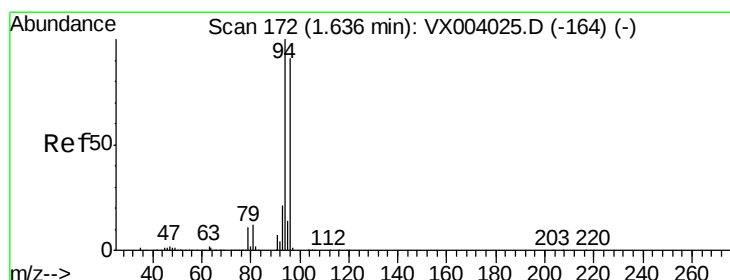
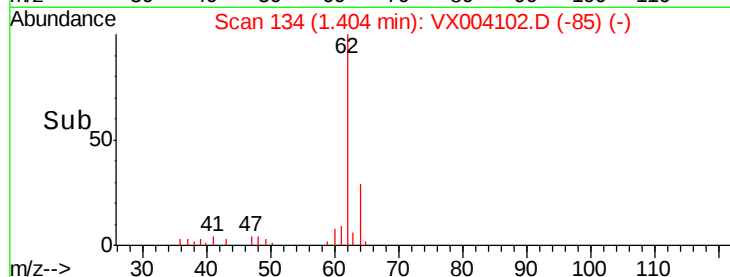
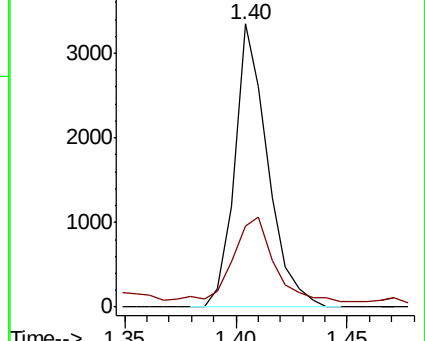
62 100

64 26.7 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 0.53 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004102.D

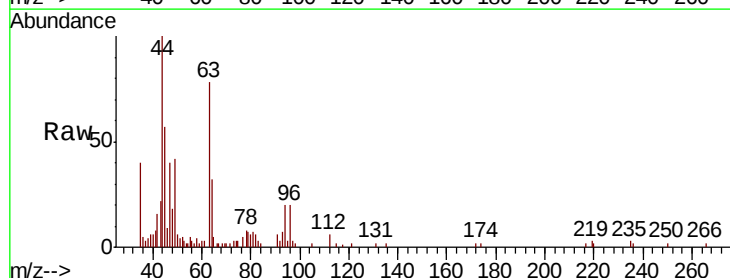
Acq: 16 Aug 2018 05:20

Tgt Ion: 94 Resp: 1106

Ion Ratio Lower Upper

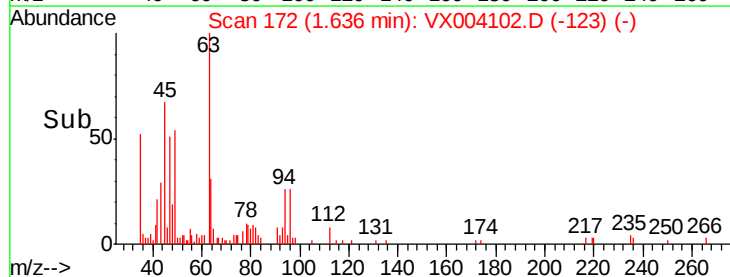
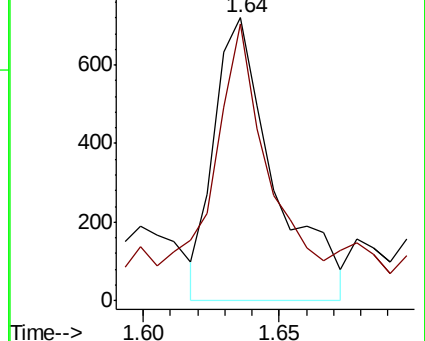
94 100

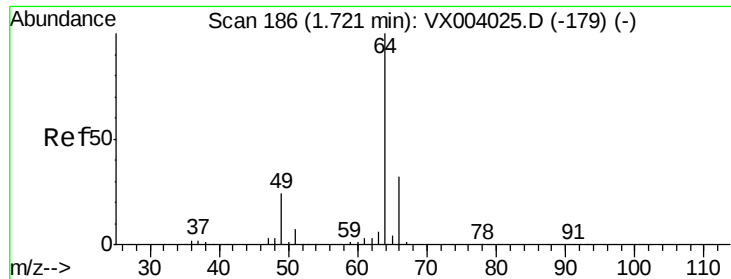
96 90.0 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX004102.D

Acq: 16 Aug 2018 05:20

Instrument :

MSVOA_X

ClientSampleId :

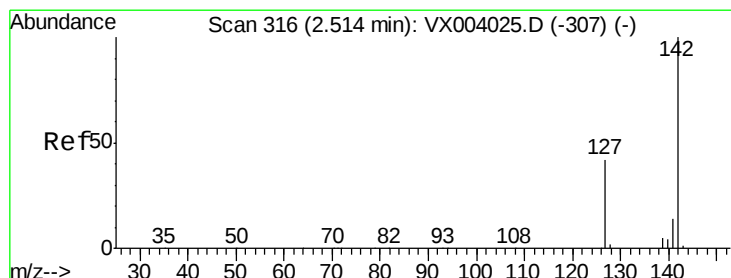
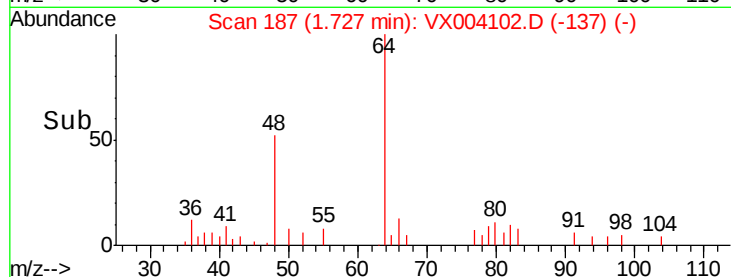
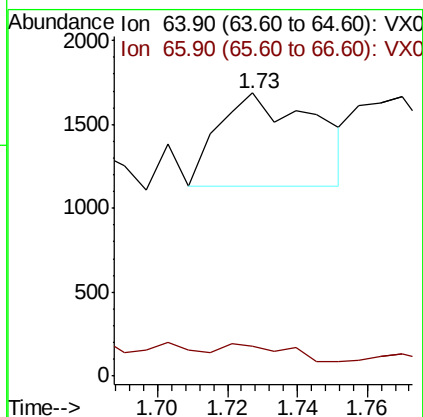
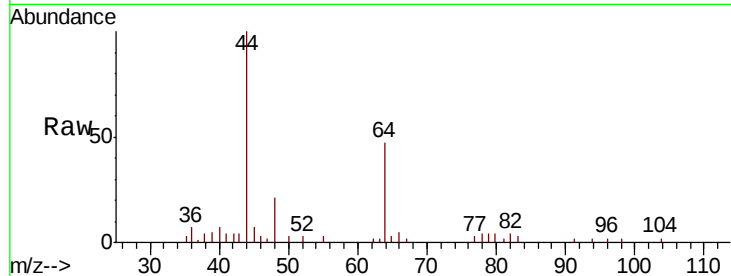
SS050MW612-180814DL

Tot Ion: 64 Resp: 1069

Ion Ratio Lower Upper

64 100

66 16.4 26.5 39.7#



#10

Methyl Iodide

Concen: 5.22 ug/l

RT: 2.51 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX004102.D

Acq: 16 Aug 2018 05:20

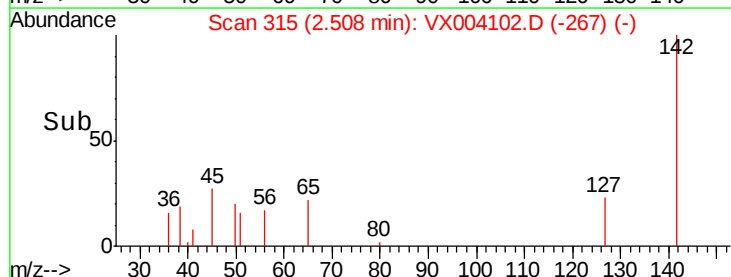
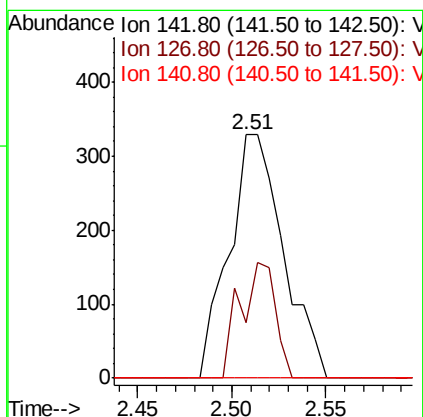
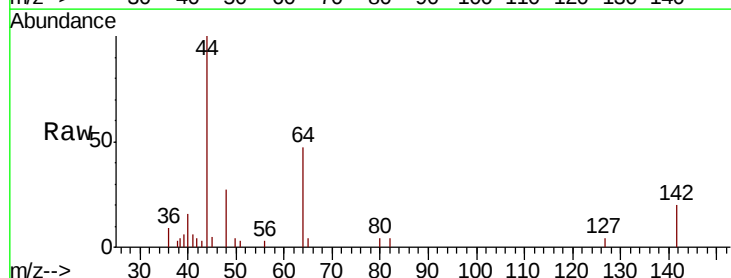
Tgt Ion: 142 Resp: 660

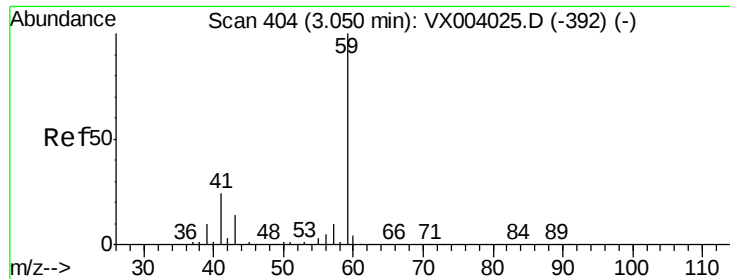
Ion Ratio Lower Upper

142 100

127 30.6 33.1 49.7#

141 0.0 11.1 16.7#

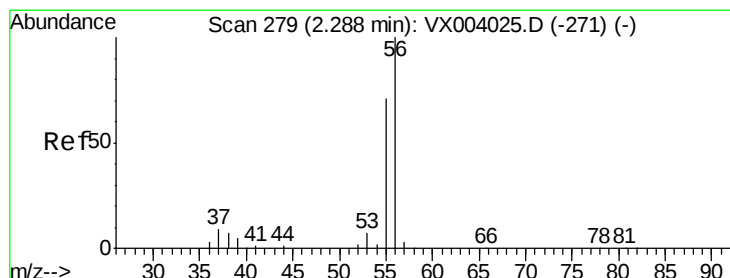
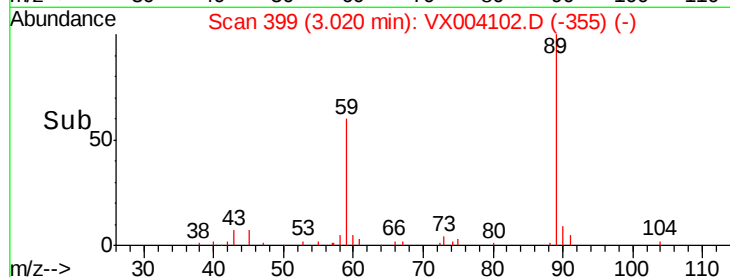
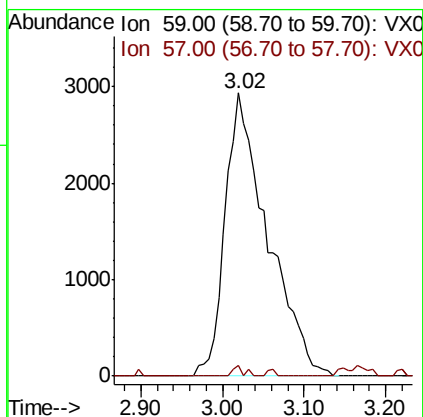
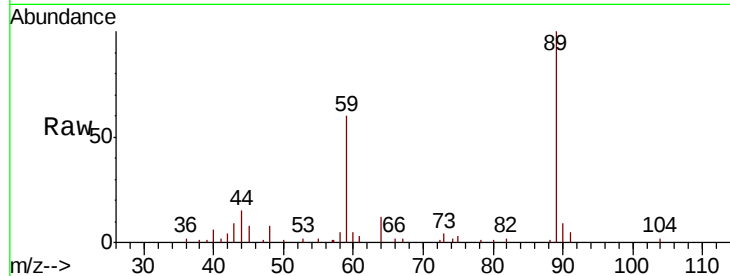




#11
Tert butyl alcohol
Concen: 15.61 ug/l
RT: 3.02 min Scan# 399
Delta R.T. -0.03 min
Lab File: VX004102.D
Acq: 16 Aug 2018 05:20

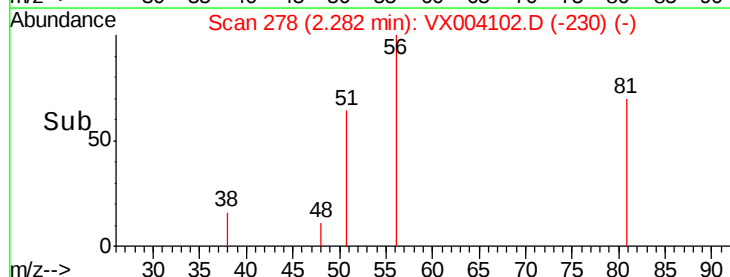
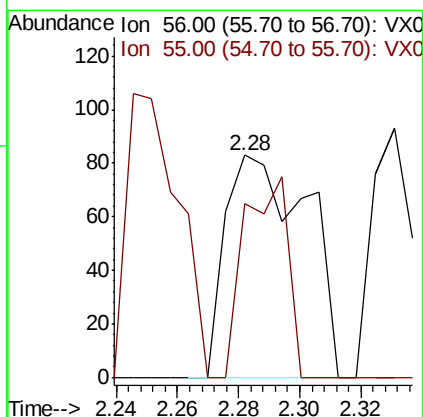
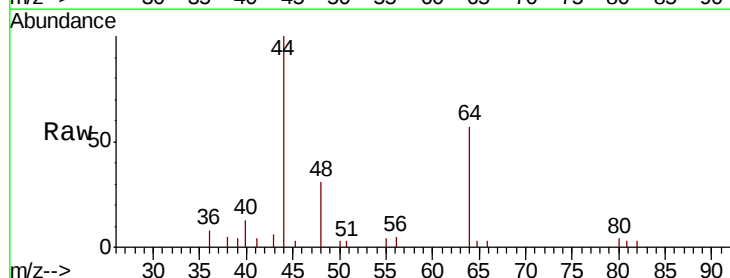
Instrument :
MSVOA_X
ClientSampleId :
SS050MW612-180814DL

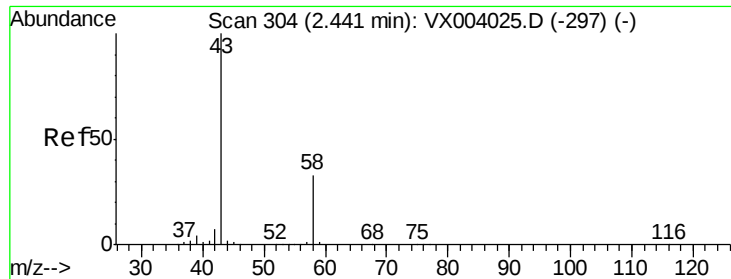
Tot Ion: 59 Resp: 10572
Ion Ratio Lower Upper
59 100
57 0.9 8.1 12.1#



#13
Acrolein
Concen: 11.27 ug/l
RT: 2.28 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX004102.D
Acq: 16 Aug 2018 05:20

Tgt Ion: 56 Resp: 153
Ion Ratio Lower Upper
56 100
55 48.4 56.1 84.1#





#16

Acetone

Concen: 1.82 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.01 min

Lab File: VX004102.D

Acq: 16 Aug 2018 05:20

Instrument :

MSVOA_X

ClientSampleId :

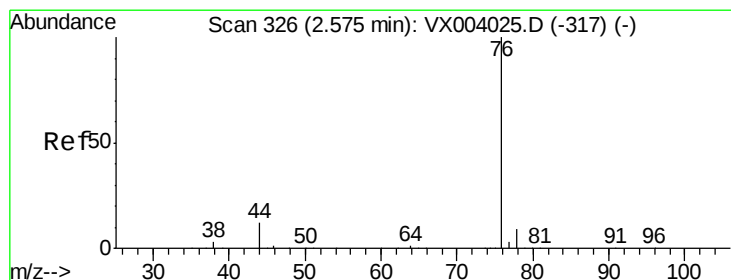
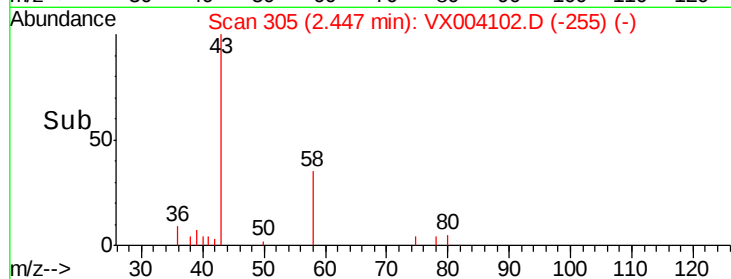
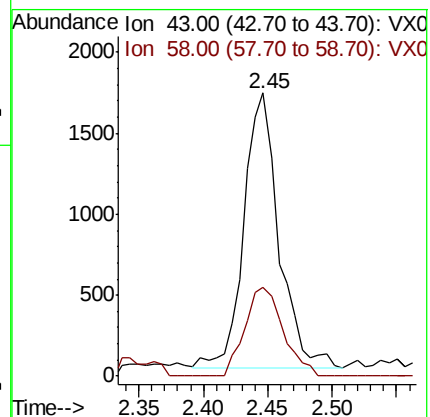
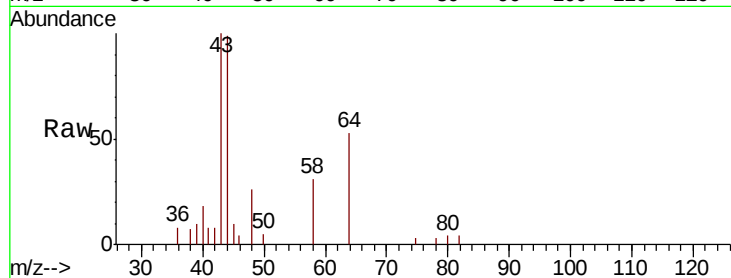
SS050MW612-180814DL

Tot Ion: 43 Resp: 3186

Ion Ratio Lower Upper

43 100

58 32.2 26.4 39.6



#17

Carbon Disulfide

Concen: 0.27 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX004102.D

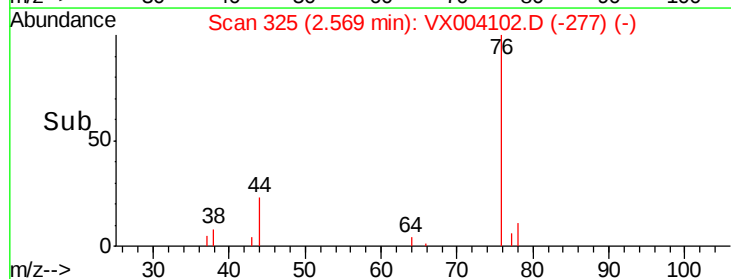
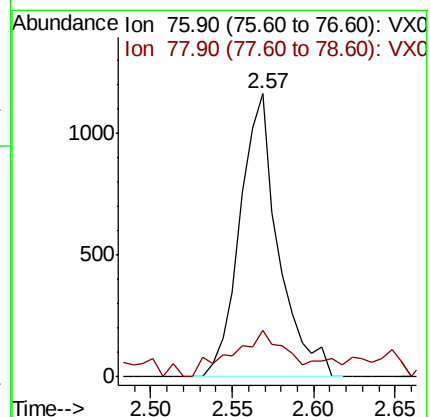
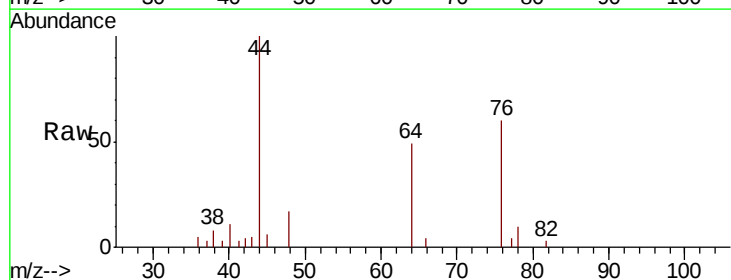
Acq: 16 Aug 2018 05:20

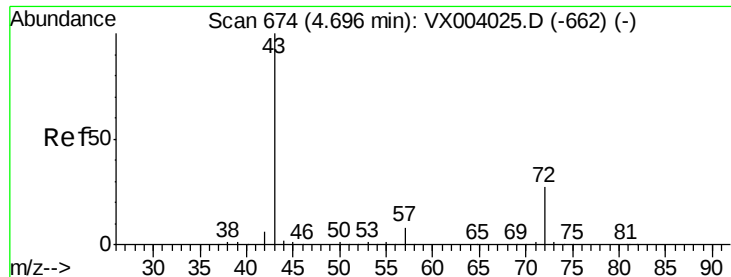
Tgt Ion: 76 Resp: 1913

Ion Ratio Lower Upper

76 100

78 16.2 7.5 11.3#





#25

2-Butanone

Concen: 0.30 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX004102.D

Acq: 16 Aug 2018 05:20

Instrument :

MSVOA_X

ClientSampleId :

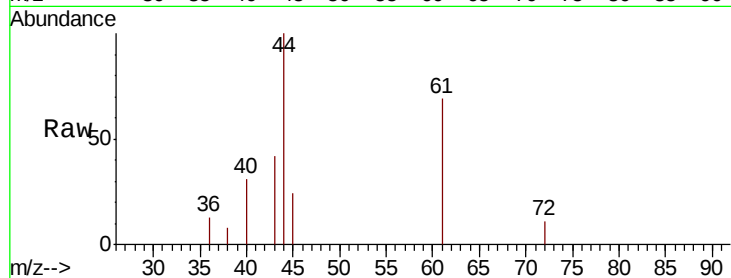
SS050MW612-180814DL

Tot Ion: 43 Resp: 865

Ion Ratio Lower Upper

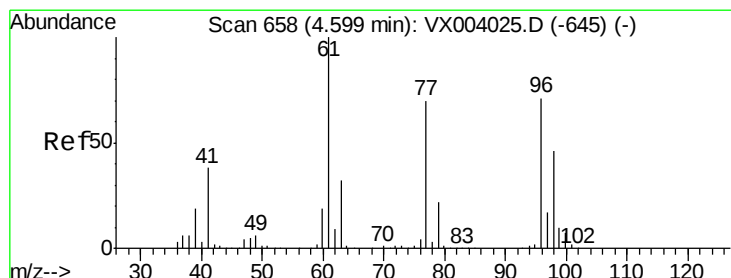
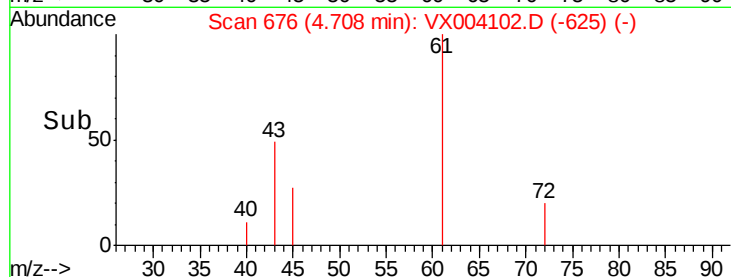
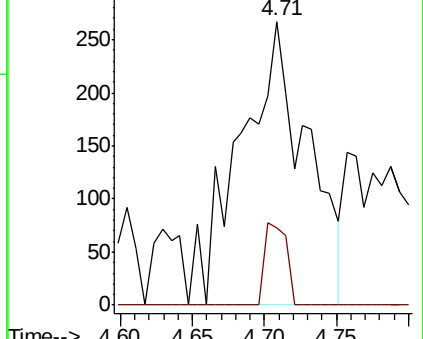
43 100

72 27.3 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.89 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX004102.D

Acq: 16 Aug 2018 05:20

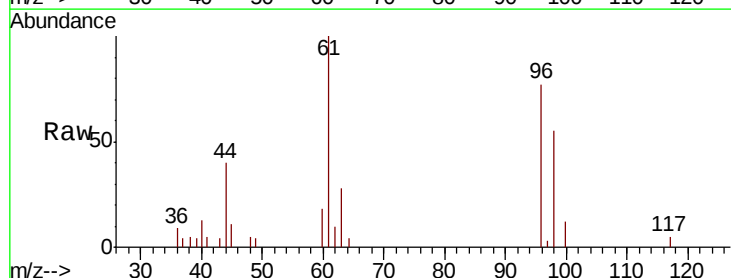
Tgt Ion: 96 Resp: 2864

Ion Ratio Lower Upper

96 100

61 204.4 0.0 293.0

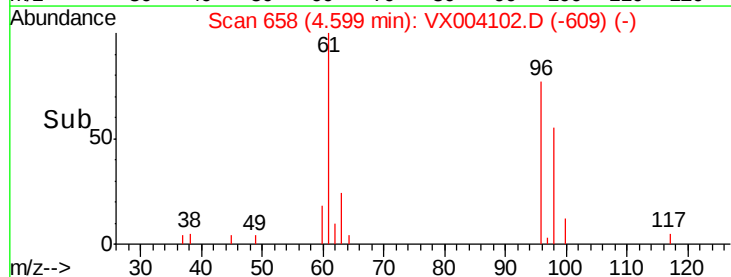
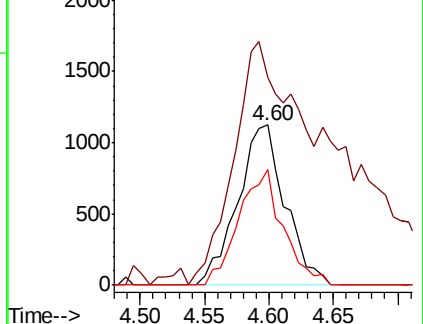
98 67.2 0.0 131.8

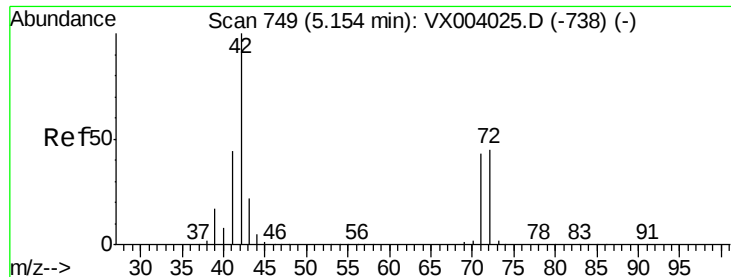


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#29

Tetrahydrofuran

Concen: 1.45 ug/l

RT: 5.16 min Scan# 750

Delta R.T. 0.01 min

Lab File: VX004102.D

Acq: 16 Aug 2018 05:20

Instrument :

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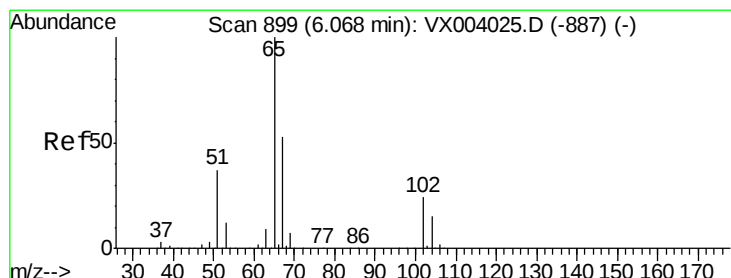
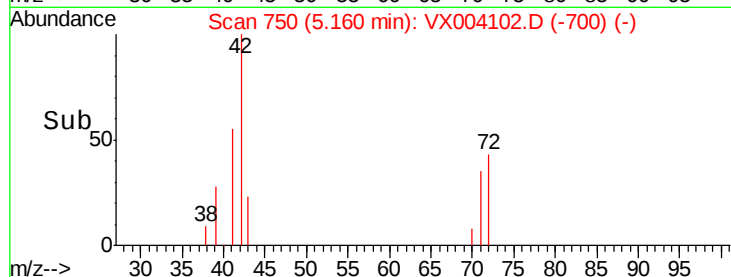
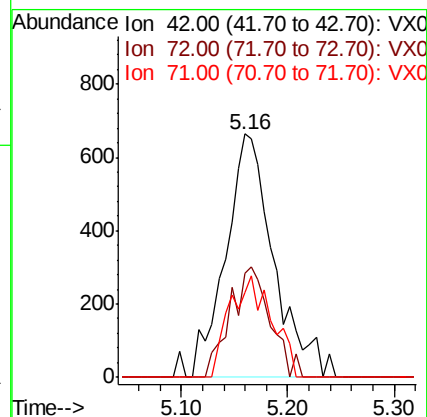
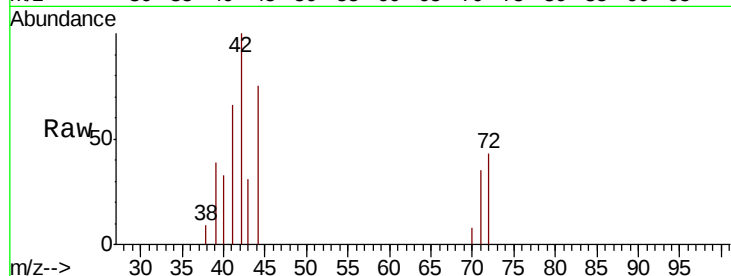
Tot Ion: 42 Resp: 2103

Ion Ratio Lower Upper

42 100

72 37.7 37.7 56.5#

71 36.8 35.0 52.6



#33

1,2-Dichloroethane-d4

Concen: 54.75 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.00 min

Lab File: VX004102.D

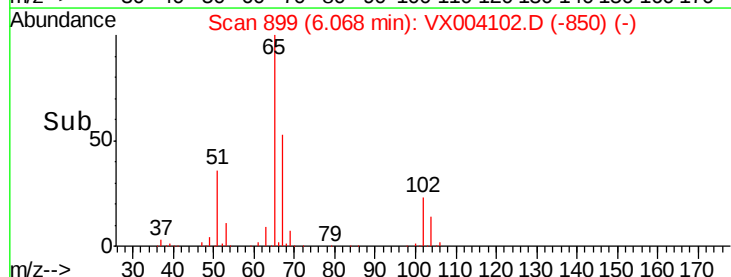
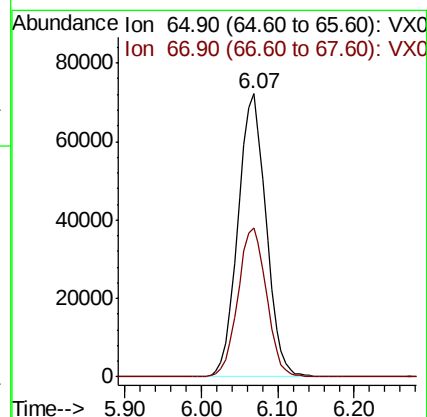
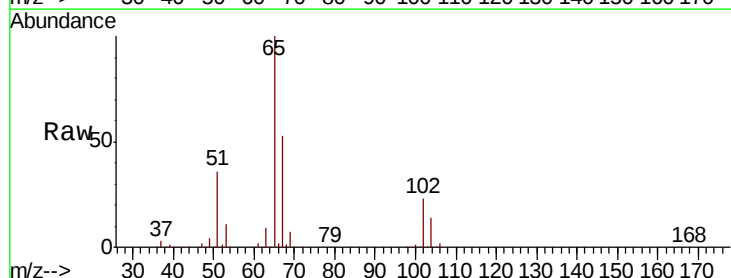
Acq: 16 Aug 2018 05:20

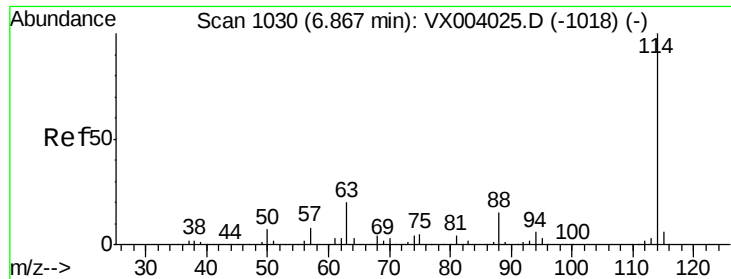
Tgt Ion: 65 Resp: 184155

Ion Ratio Lower Upper

65 100

67 53.5 0.0 105.8

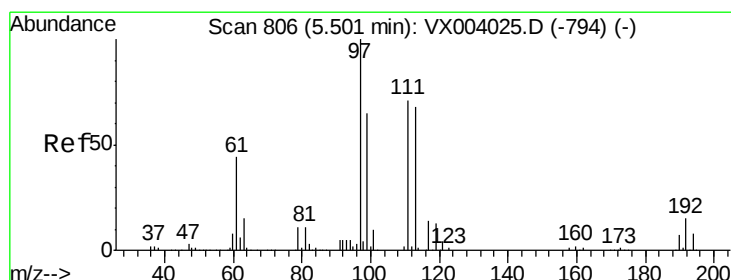
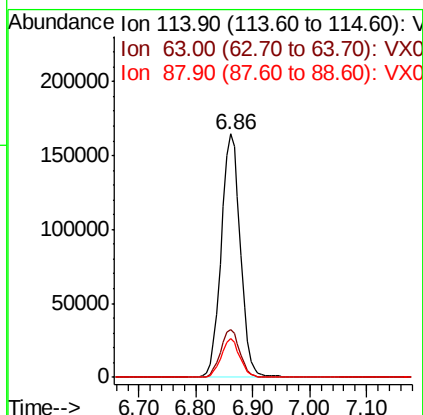
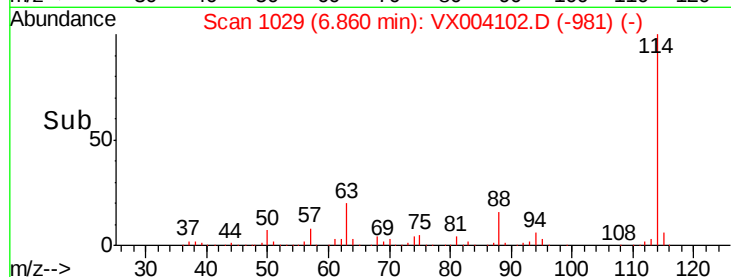
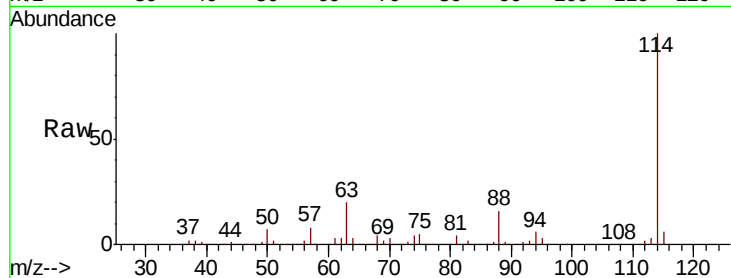




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX004102.D
 Acq: 16 Aug 2018 05:20

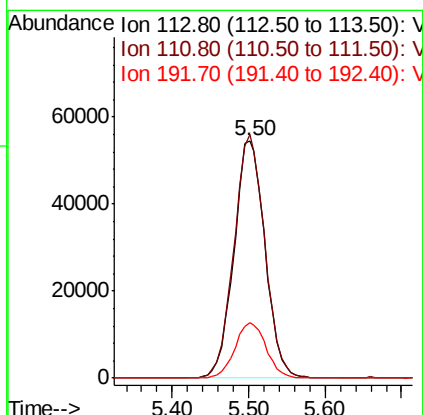
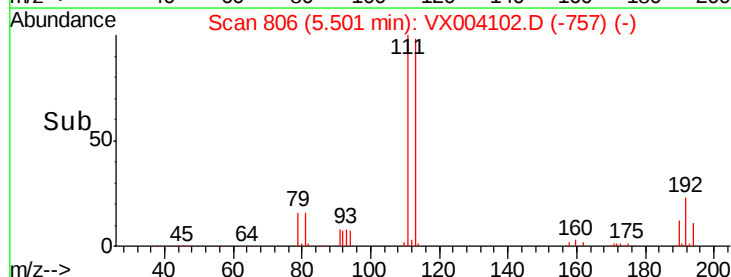
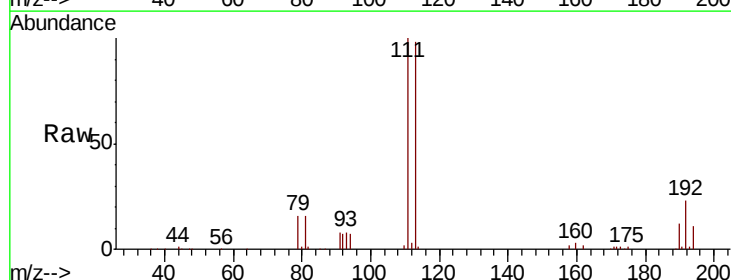
Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW612-180814DL

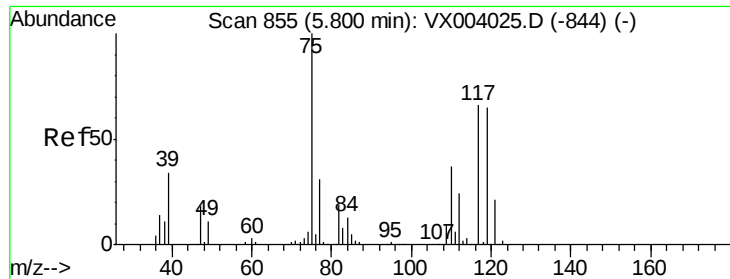
Tot Ion:114 Resp: 383446
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.0
 88 15.7 0.0 32.0



#35
 Dibromofluoromethane
 Concen: 53.42 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004102.D
 Acq: 16 Aug 2018 05:20

Tgt Ion:113 Resp: 153312
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.0 123.0
 192 23.3 19.0 28.4





#36

1,1-Dichloropropene

Concen: 3.76 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX004102.D

Acq: 16 Aug 2018 05:20

Instrument :

MSVOA_X

ClientSampleId :

SS050MW612-180814DL

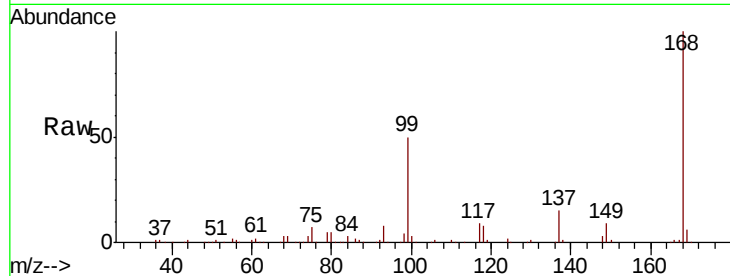
Tot Ion: 75 Resp: 16414

Ion Ratio Lower Upper

75 100

110 8.7 18.2 54.6#

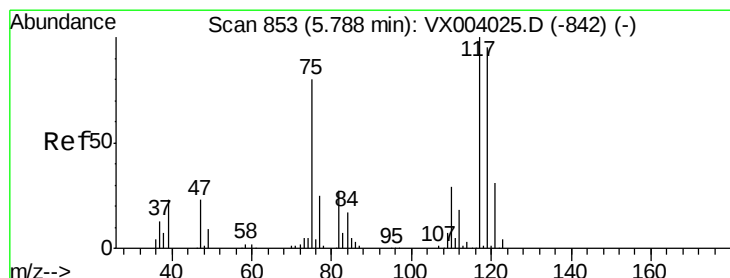
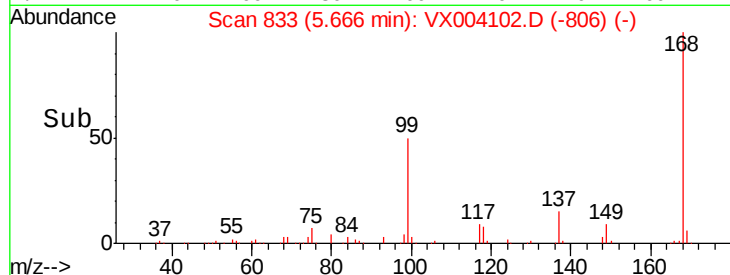
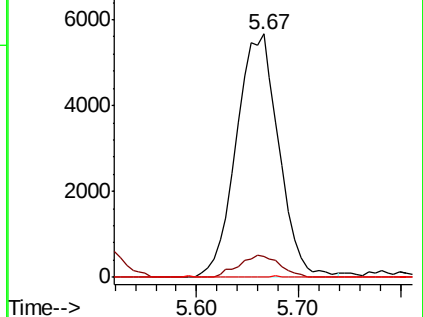
77 0.1 25.0 37.4#



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: 5.10 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.13 min

Lab File: VX004102.D

Acq: 16 Aug 2018 05:20

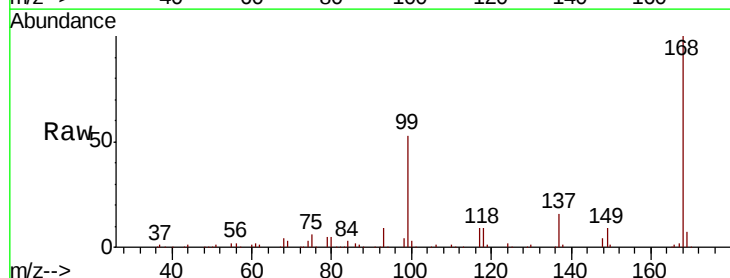
Tgt Ion: 117 Resp: 21619

Ion Ratio Lower Upper

117 100

119 6.2 79.5 119.3#

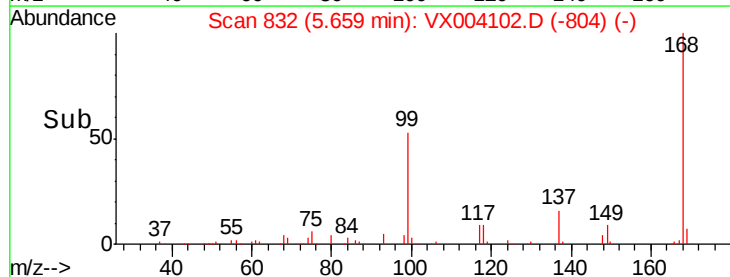
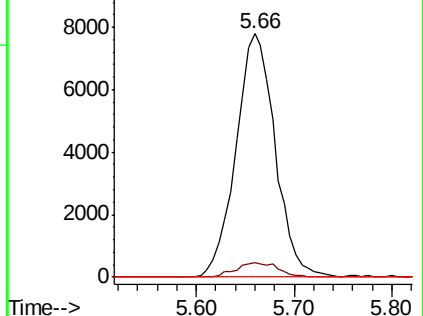
121 0.0 25.0 37.4#

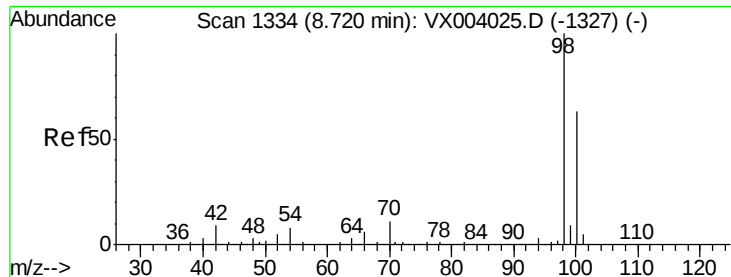


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

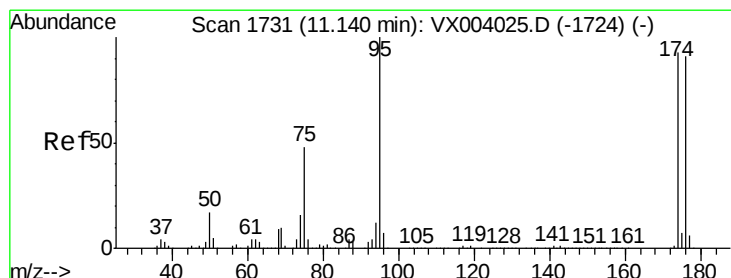
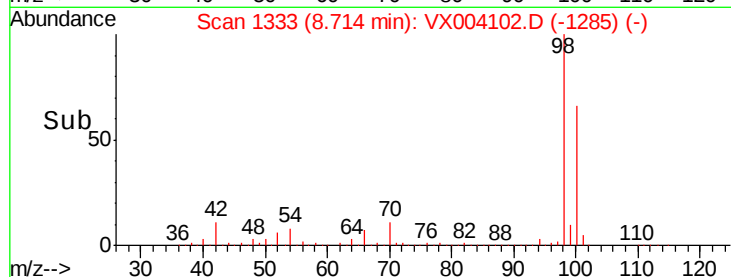
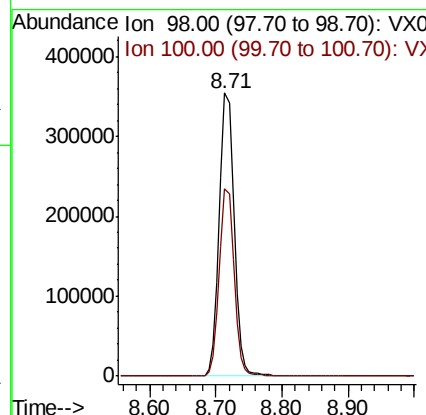
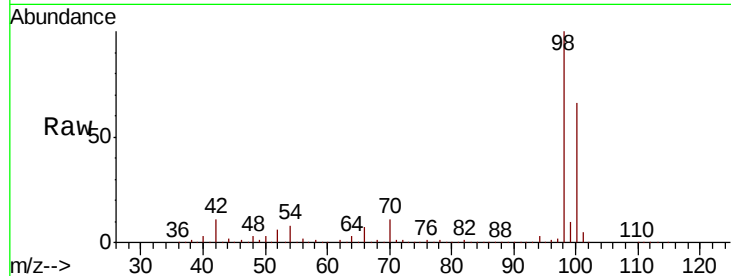




#50
Toluene-d8
Concen: 47.67 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VX004102.D
Acq: 16 Aug 2018 05:20

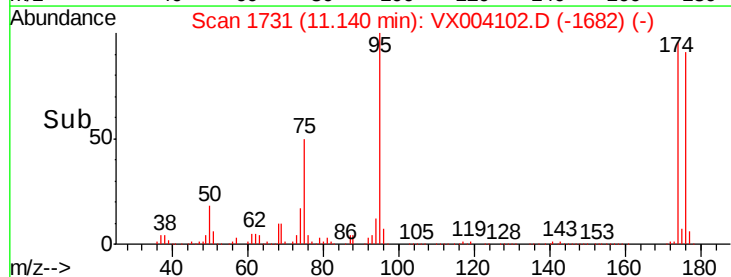
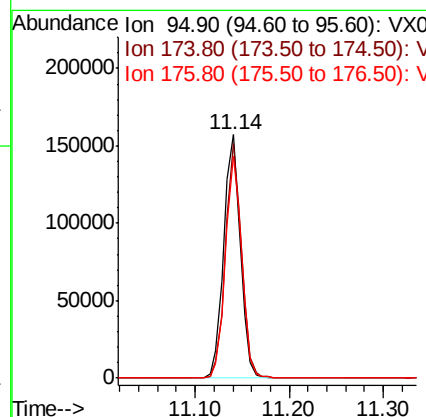
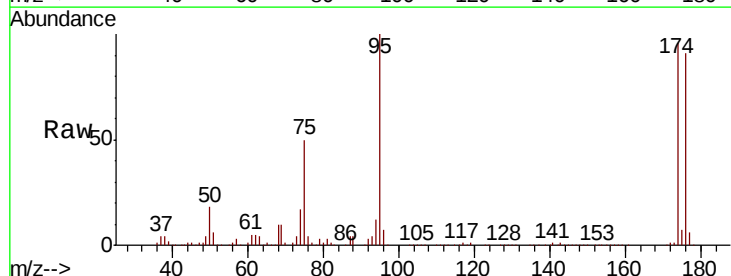
Instrument :
MSVOA_X
ClientSampleId :
SS050MW612-180814DL

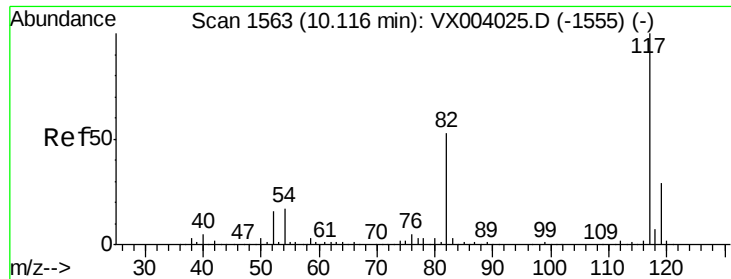
Tot Ion: 98 Resp: 554633
Ion Ratio Lower Upper
98 100
100 65.8 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 45.85 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX004102.D
Acq: 16 Aug 2018 05:20

Tgt Ion: 95 Resp: 193499
Ion Ratio Lower Upper
95 100
174 93.4 0.0 182.8
176 89.4 0.0 179.0





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX004102.D

Acq: 16 Aug 2018 05:20

Instrument :

MSVOA_X

ClientSampleId :

SS050MW612-180814DL

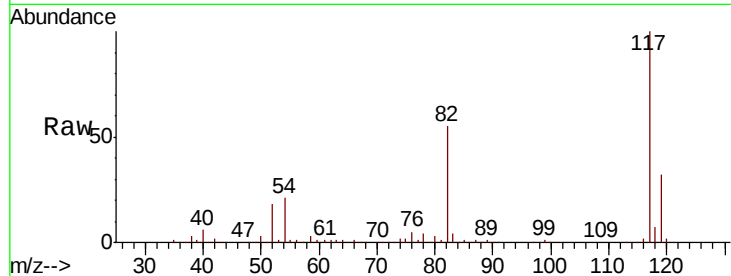
Tot Ion:117 Resp: 360349

Ion Ratio Lower Upper

117 100

82 55.4 45.4 68.0

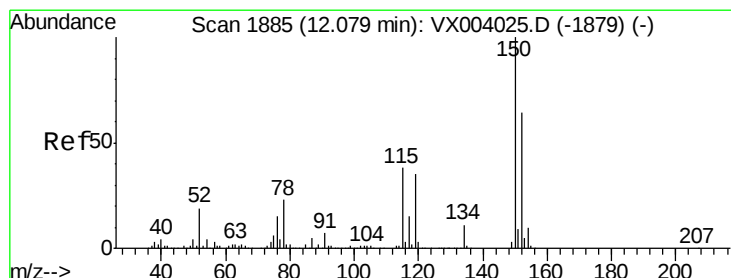
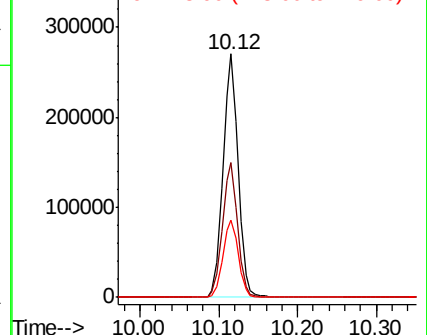
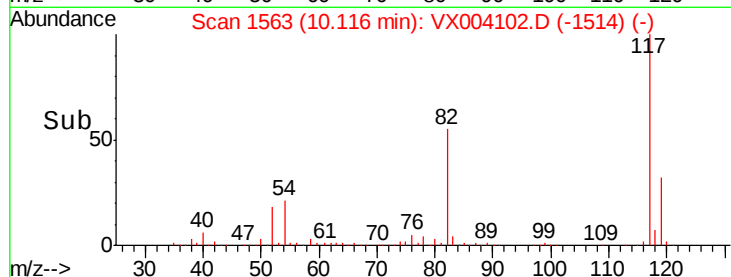
119 31.8 26.6 40.0



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: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004102.D

Acq: 16 Aug 2018 05:20

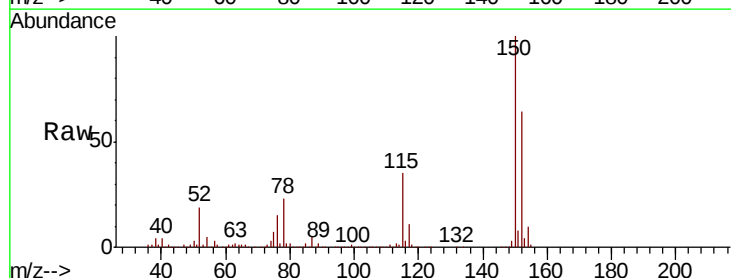
Tgt Ion:152 Resp: 216313

Ion Ratio Lower Upper

152 100

115 54.9 39.1 117.3

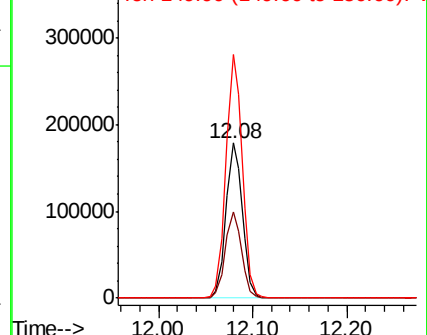
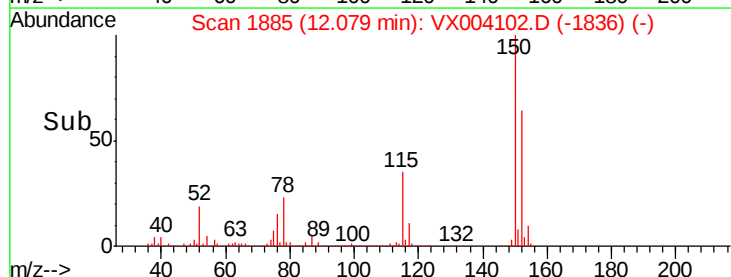
150 156.2 0.0 349.2

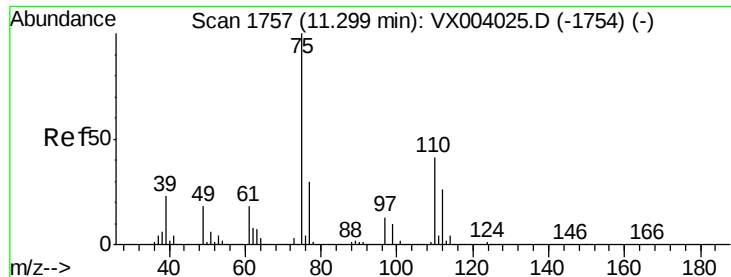


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.91 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004102.D

Acq: 16 Aug 2018 05:20

Instrument :

MSVOA_X

ClientSampleId :

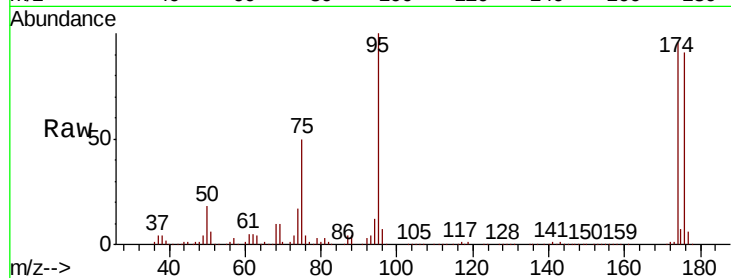
SS050MW612-180814DL

Tot Ion: 75 Resp: 95051

Ion Ratio Lower Upper

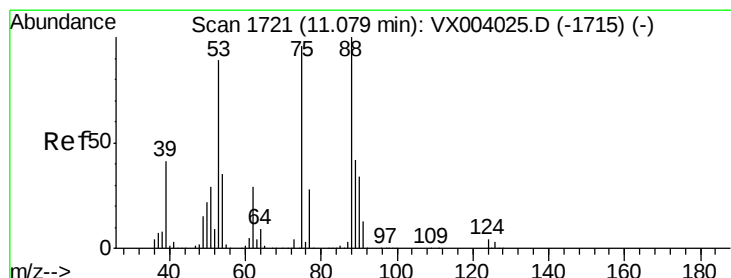
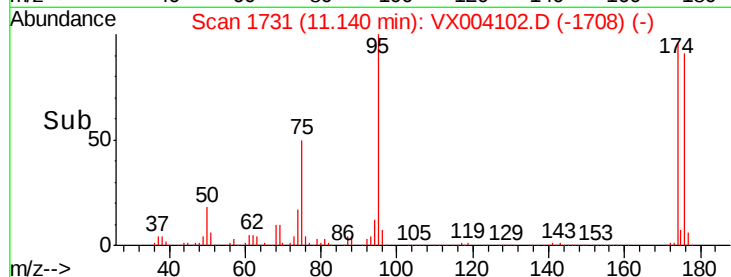
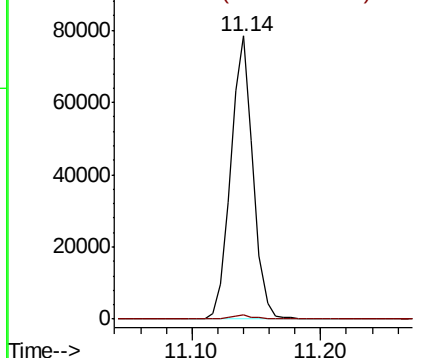
75 100

77 1.4 20.8 62.5#



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: 67.83 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX004102.D

Acq: 16 Aug 2018 05:20

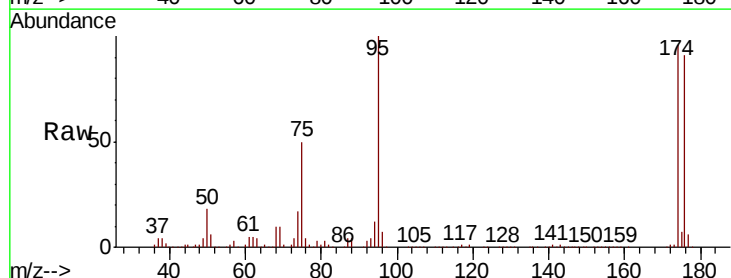
Tgt Ion: 75 Resp: 95051

Ion Ratio Lower Upper

75 100

53 0.3 80.3 120.5#

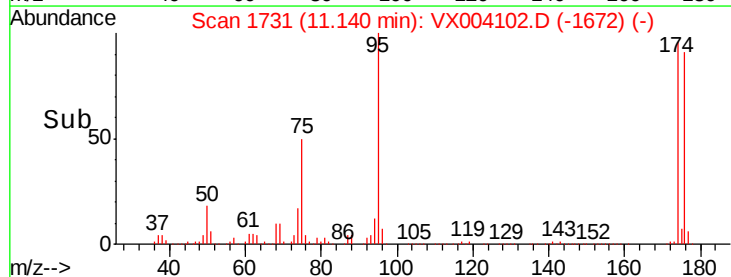
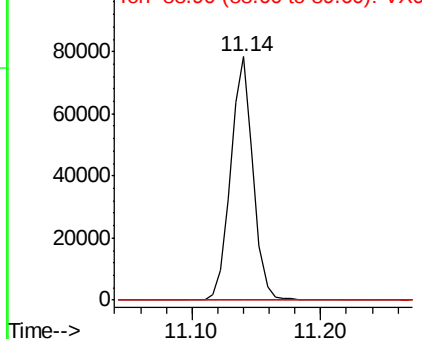
89 0.0 37.8 56.8#

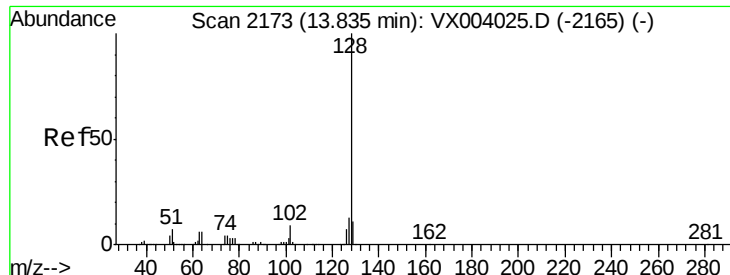


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95

Naphthalene

Concen: 1.18 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX004102.D

Acq: 16 Aug 2018 05:20

Instrument :

MSVOA_X

ClientSampleId :

SS050MW612-180814DL

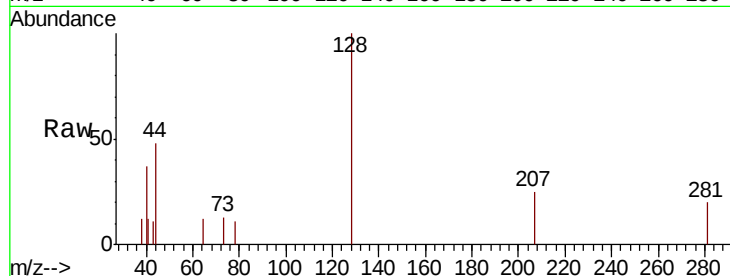
Tot Ion:128 Resp: 552

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

