

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX051118\
 Data File : VX001649.D
 Acq On : 11 May 2018 19:41
 Operator : JC/MD
 Sample : J2741-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW304-180502

Quant Time: May 12 03:37:06 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	235814	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	320714	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	283636	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	149591	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	197107	58.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.30%	
35) Dibromofluoromethane	5.51	113	156693	54.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.86%	
50) Toluene-d8	8.72	98	544673	52.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.62%	
62) 4-Bromofluorobenzene	11.15	95	178064	44.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.10%	

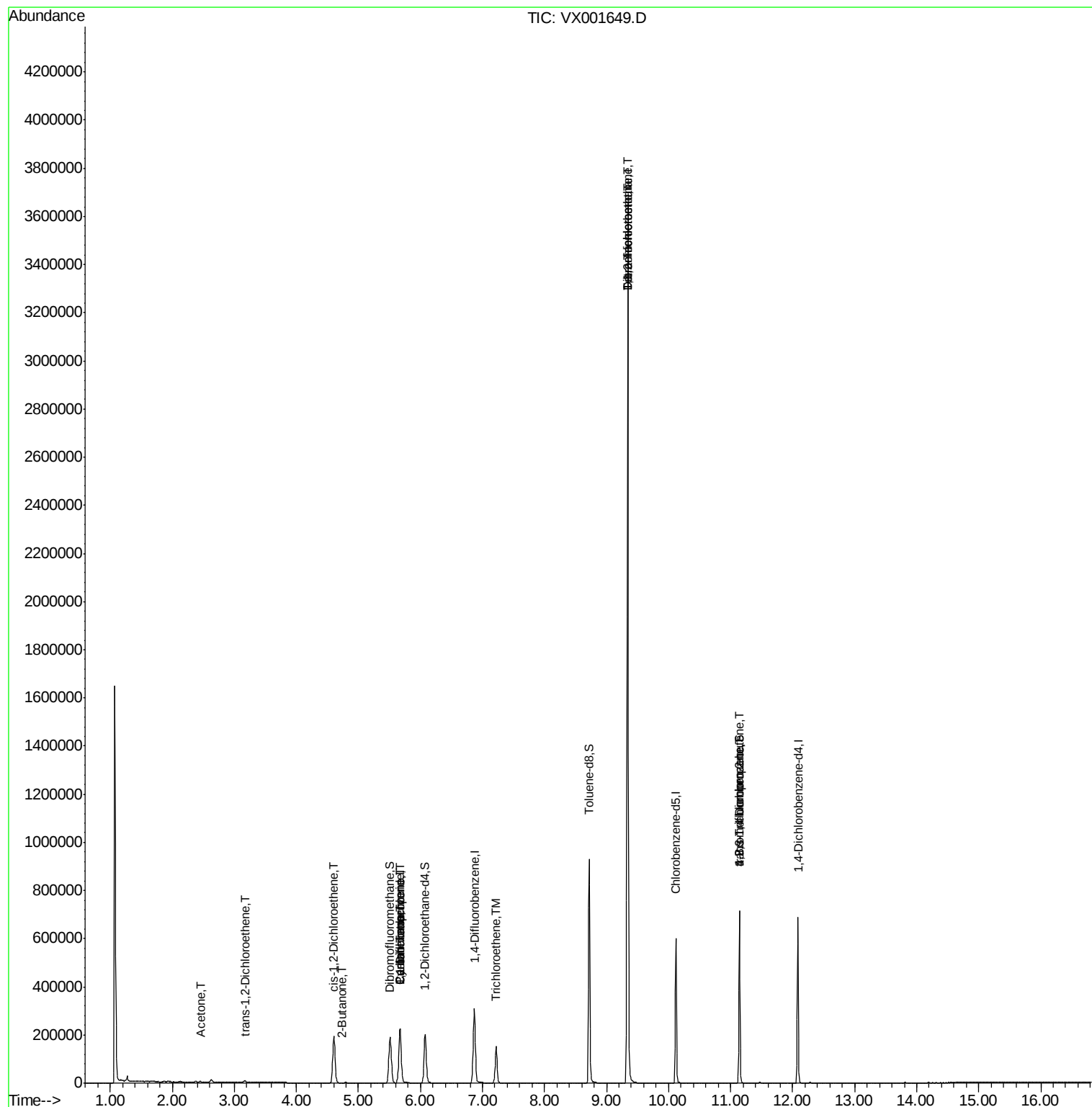
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1326	Below Cal		100
13) Acrolein	2.31	56	26	Below Cal	#	1
16) Acetone	2.45	43	2223	1.44	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	2840	0.98	ug/l	94
25) 2-Butanone	4.73	43	948	0.43	ug/l	# 83
27) cis-1,2-Dichloroethene	4.60	96	124071	40.00	ug/l	86
31) Cyclohexane	5.67	56	4301	0.99	ug/l	# 1
36) 1,1-Dichloropropene	5.67	75	14601	3.58	ug/l	# 49
38) Carbon Tetrachloride	5.67	117	20500	4.71	ug/l	# 16
44) Trichloroethene	7.22	130	61809	16.97	ug/l	97
55) 1,1,2-Trichloroethane	9.34	97	5575	1.78	ug/l	# 6
60) Dibromochloromethane	9.34	129	653316	203.24	ug/l	# 11
64) Tetrachloroethene	9.34	164	783566	198.20	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	88329	29.11	ug/l	# 38
81) trans-1,4-Dichloro-2-buten	11.14	75	88329	89.15	ug/l	# 7

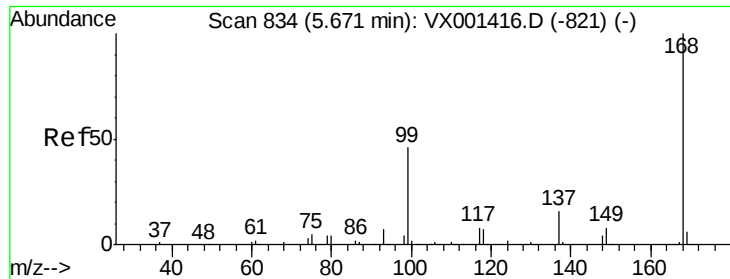
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001649.D

Acq: 11 May 2018 19:41

Instrument :

MSVOA_X

ClientSampleId :

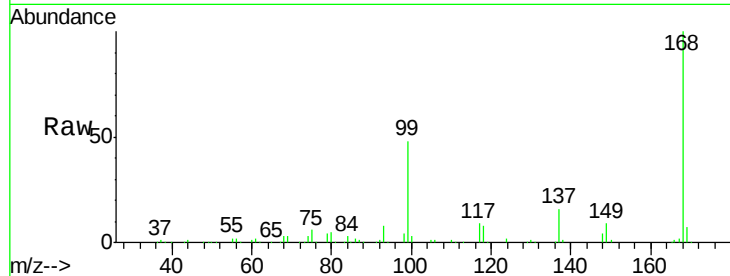
SS037MW304-180502

Tgt Ion:168 Resp: 235814

Ion Ratio Lower Upper

168 100

99 47.6 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

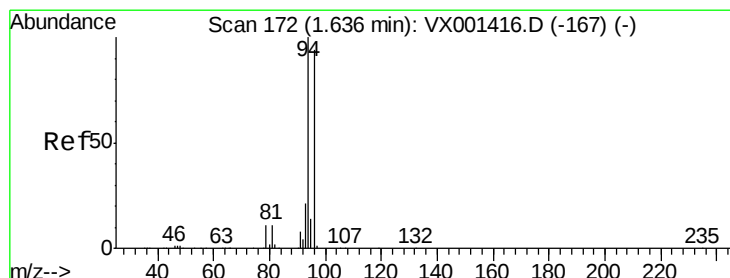
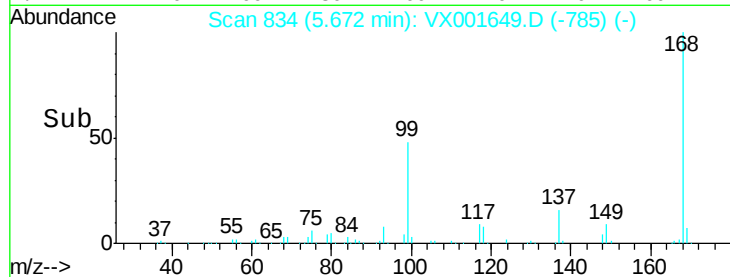
40000

20000

0

5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001649.D

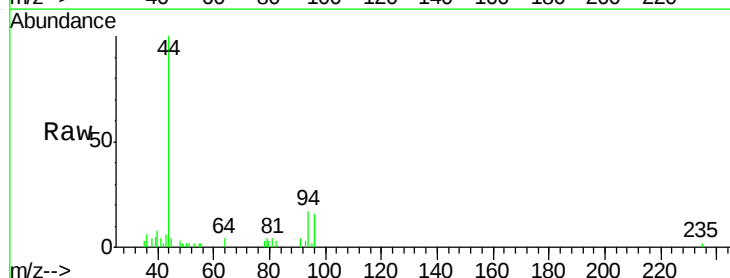
Acq: 11 May 2018 19:41

Tgt Ion: 94 Resp: 1326

Ion Ratio Lower Upper

94 100

96 93.4 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

600

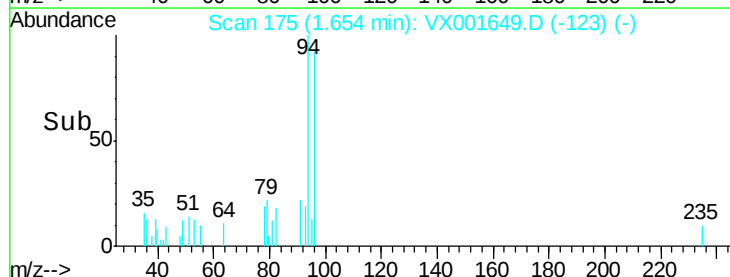
400

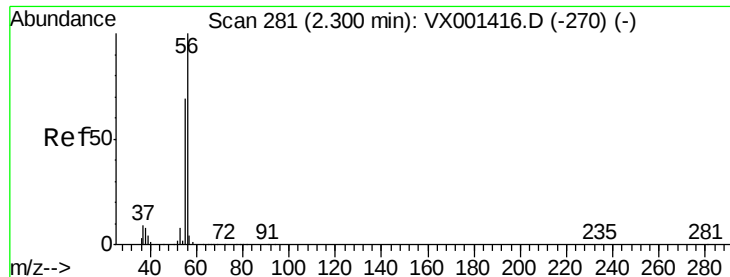
200

0

1.60 1.65 1.70

Time-->





#13

Acrolein

Concen: Below Cal

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX001649.D

Acq: 11 May 2018 19:41

Instrument :

MSVOA_X

ClientSampleId :

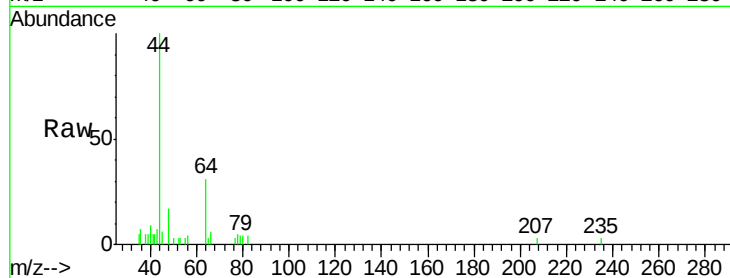
SS037MW304-180502

Tgt Ion: 56 Resp: 26

Ion Ratio Lower Upper

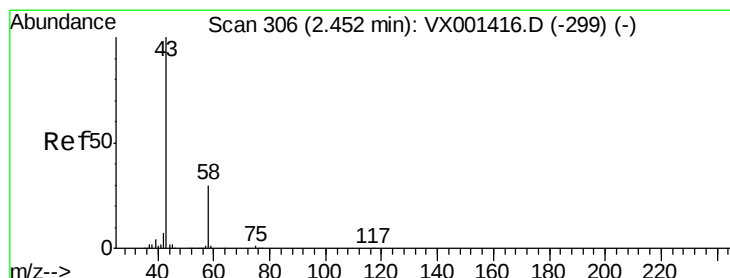
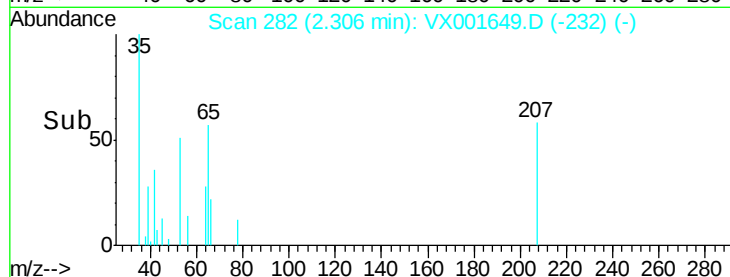
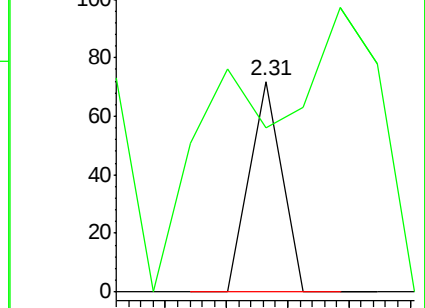
56 100

55 592.3 54.5 81.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 1.44 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001649.D

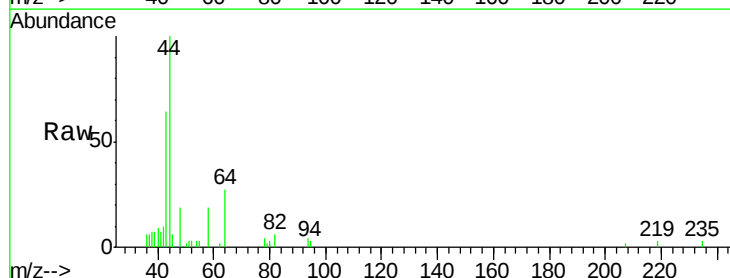
Acq: 11 May 2018 19:41

Tgt Ion: 43 Resp: 2223

Ion Ratio Lower Upper

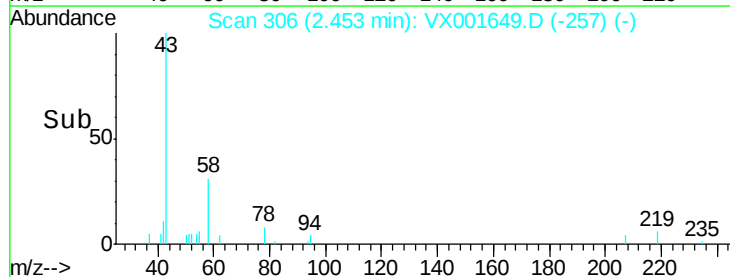
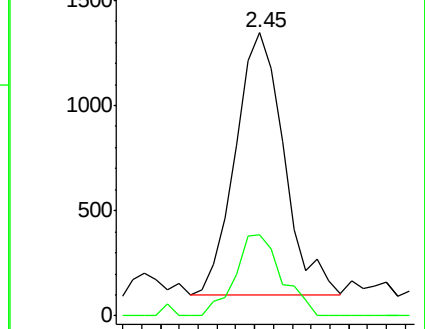
43 100

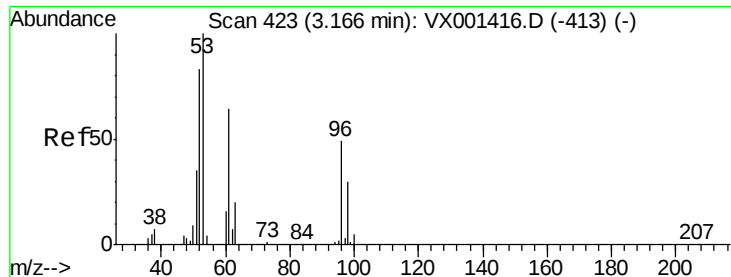
58 31.1 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#21

trans-1,2-Dichloroethene

Concen: 0.98 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001649.D

Acq: 11 May 2018 19:41

Instrument :

MSVOA_X

ClientSampleId :

SS037MW304-180502

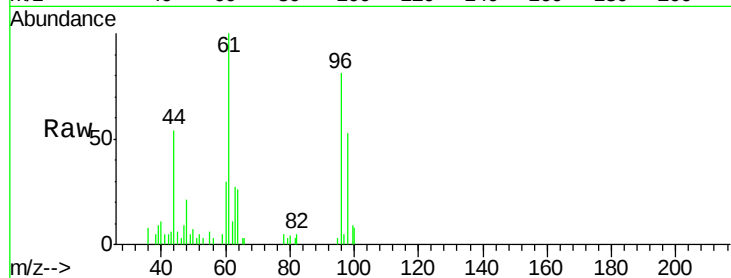
Tgt Ion: 96 Resp: 2840

Ion Ratio Lower Upper

96 100

61 123.1 105.0 157.4

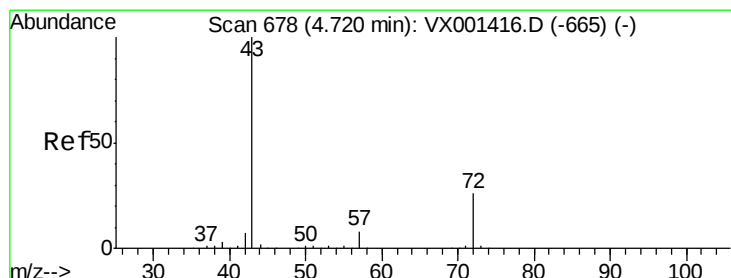
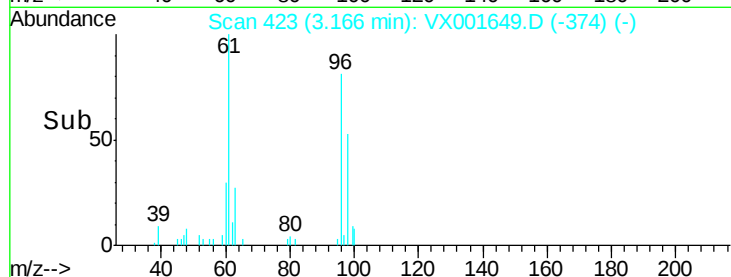
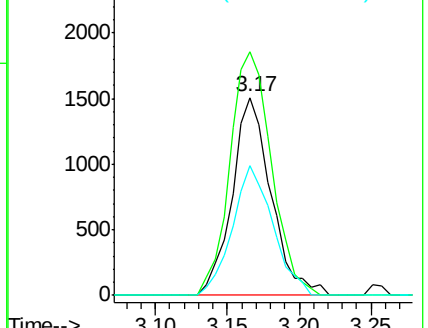
98 65.3 49.9 74.9



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



#25

2-Butanone

Concen: 0.43 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001649.D

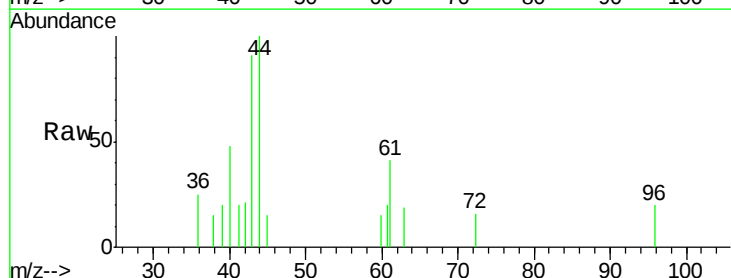
Acq: 11 May 2018 19:41

Tgt Ion: 43 Resp: 948

Ion Ratio Lower Upper

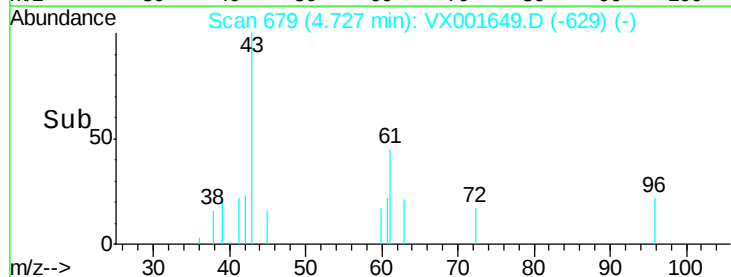
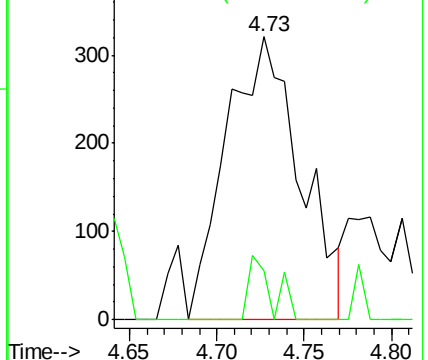
43 100

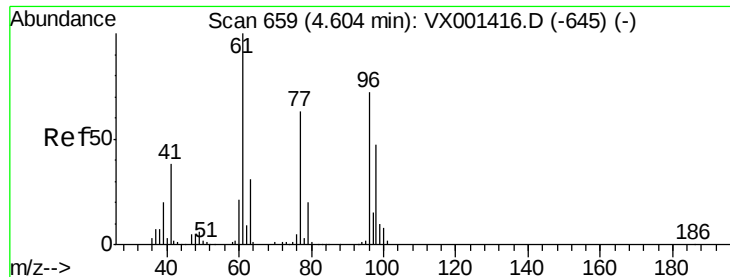
72 17.4 20.7 31.1#



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: 40.00 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001649.D

Acq: 11 May 2018 19:41

Instrument :

MSVOA_X

ClientSampleId :

SS037MW304-180502

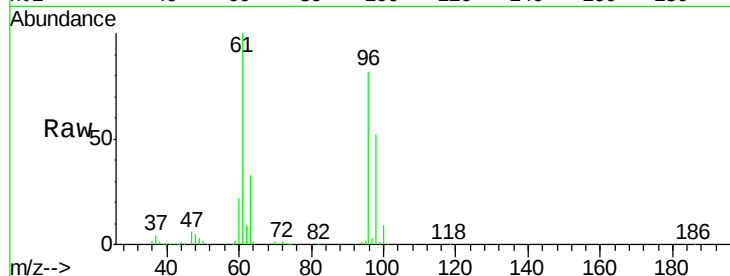
Tgt Ion: 96 Resp: 124071

Ion Ratio Lower Upper

96 100

61 126.5 0.0 301.6

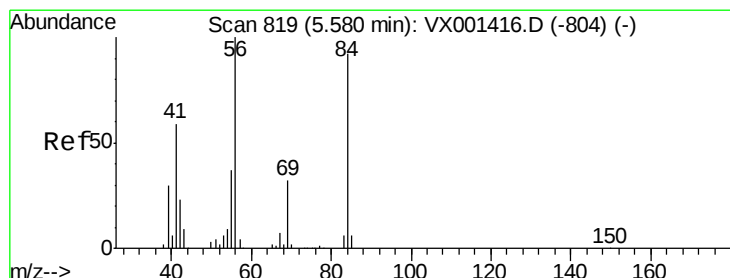
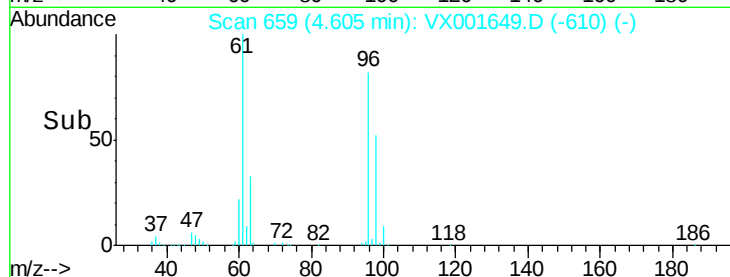
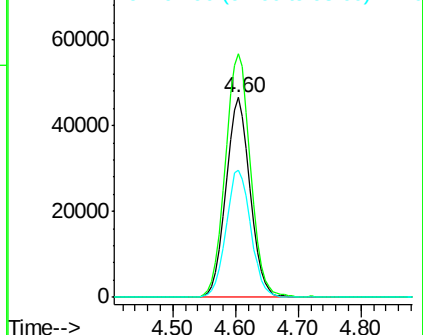
98 65.1 0.0 131.6



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



#31

Cyclohexane

Concen: 0.99 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001649.D

Acq: 11 May 2018 19:41

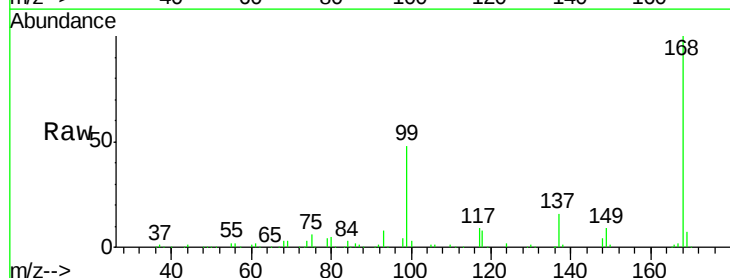
Tgt Ion: 56 Resp: 4301

Ion Ratio Lower Upper

56 100

69 164.8 25.4 38.0#

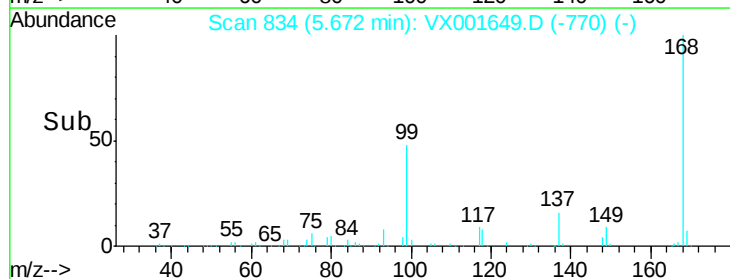
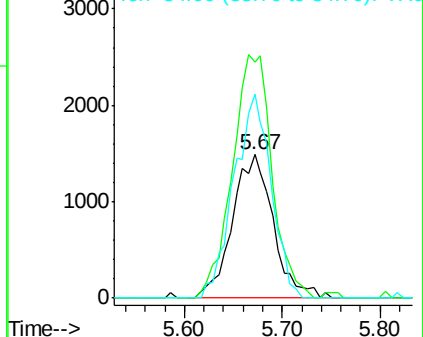
84 141.9 73.8 110.8#

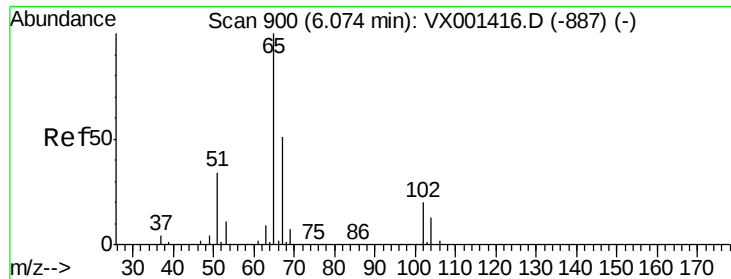


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 58.15 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001649.D

Acq: 11 May 2018 19:41

Instrument :

MSVOA_X

ClientSampleId :

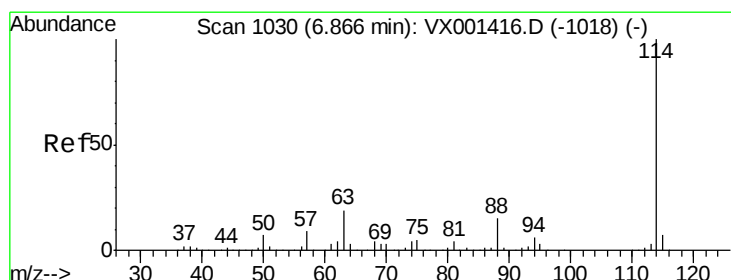
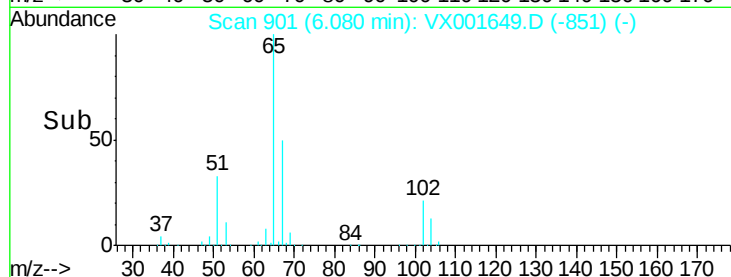
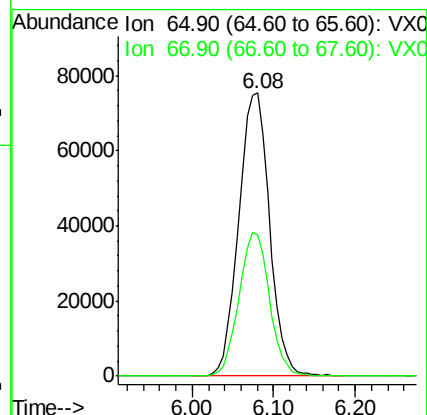
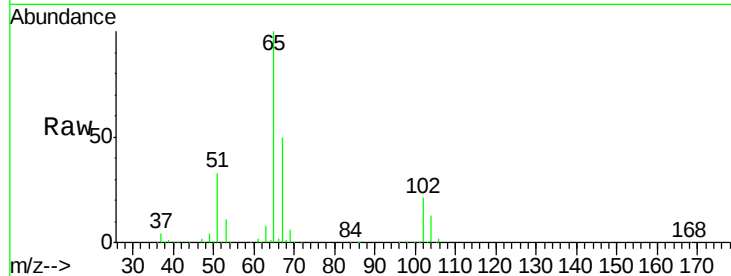
SS037MW304-180502

Tgt Ion: 65 Resp: 197107

Ion Ratio Lower Upper

65 100

67 50.3 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001649.D

Acq: 11 May 2018 19:41

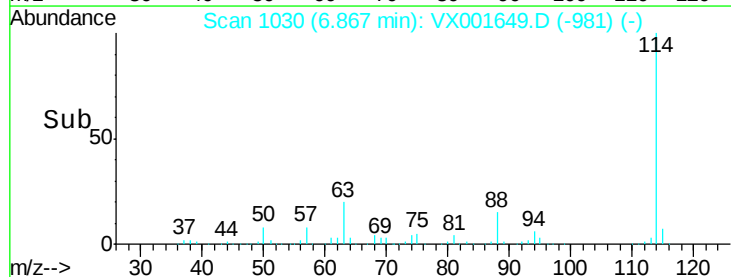
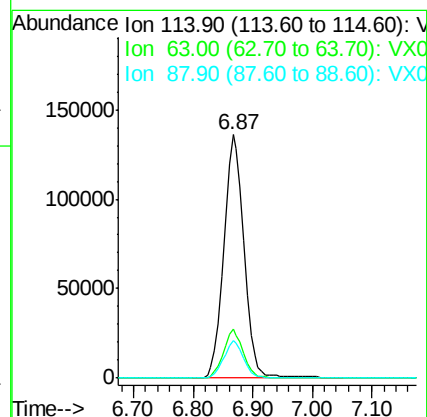
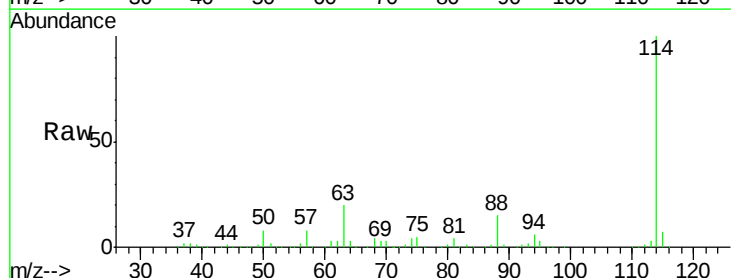
Tgt Ion: 114 Resp: 320714

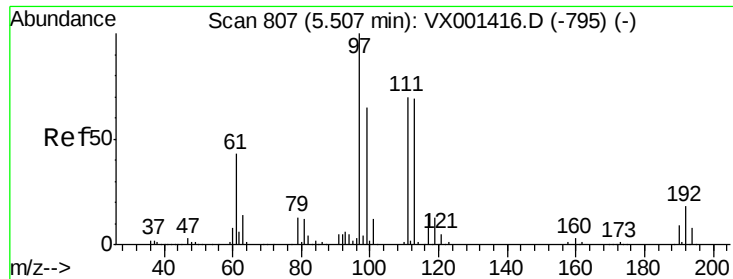
Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.6

88 15.2 0.0 30.8

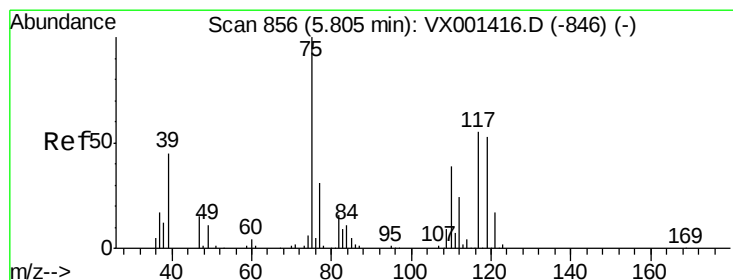
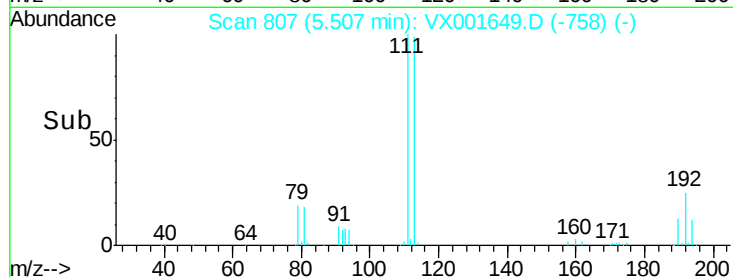
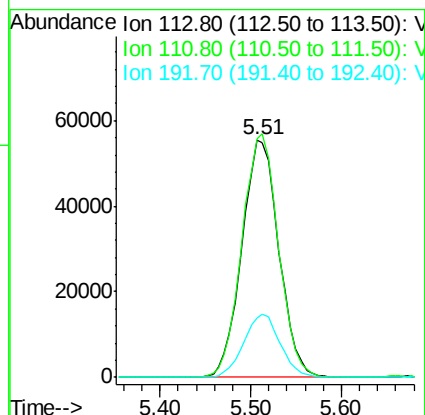
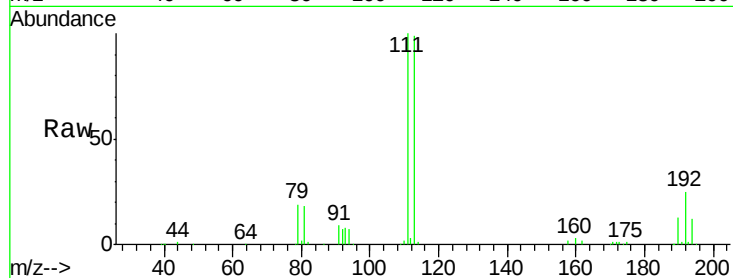




#35
 Dibromofluoromethane
 Concen: 54.93 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX001649.D
 Acq: 11 May 2018 19:41

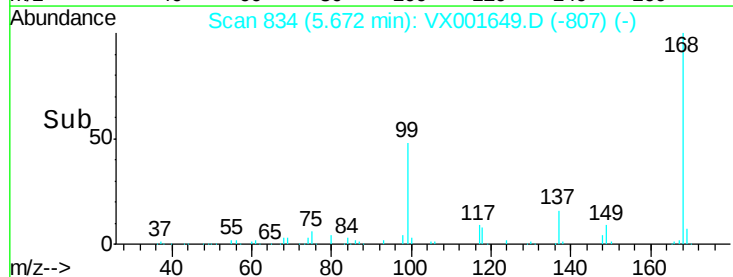
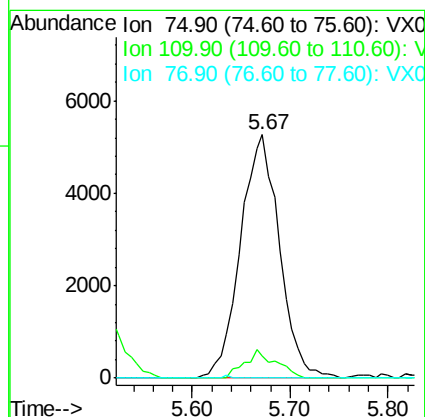
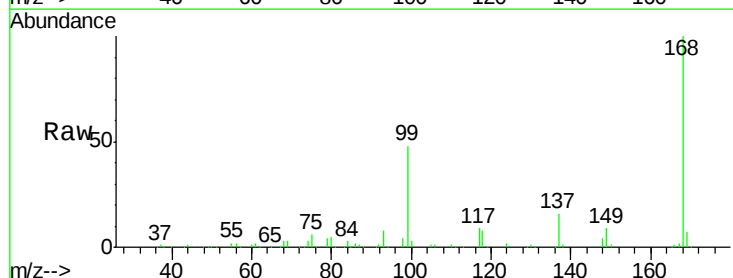
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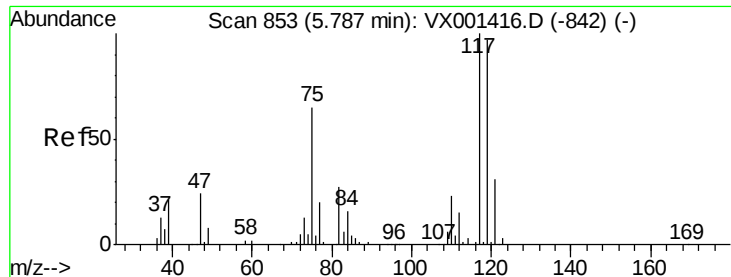
Tgt Ion:113 Resp: 156693
 Ion Ratio Lower Upper
 113 100
 111 101.3 82.2 123.2
 192 26.1 21.4 32.0



#36
 1,1-Dichloropropene
 Concen: 3.58 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001649.D
 Acq: 11 May 2018 19:41

Tgt Ion: 75 Resp: 14601
 Ion Ratio Lower Upper
 75 100
 110 9.3 18.9 56.7#
 77 0.0 24.9 37.3#

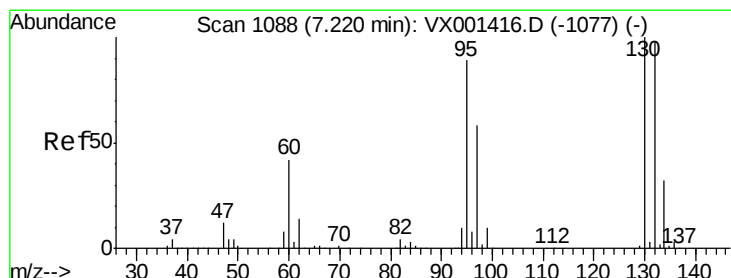
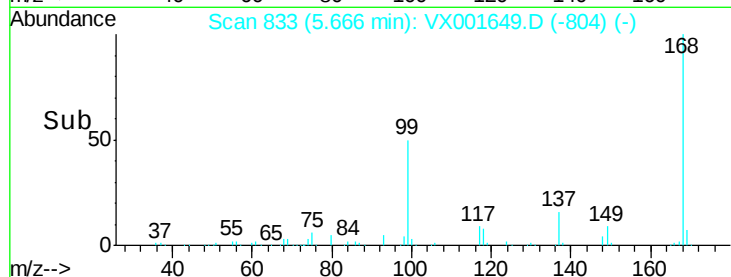
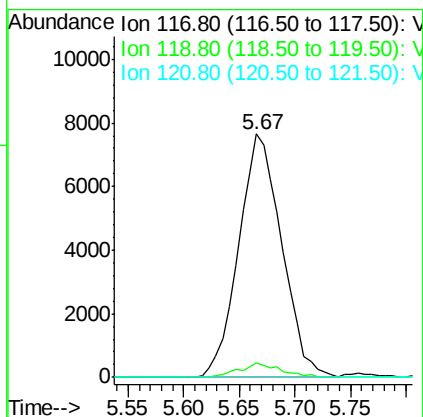
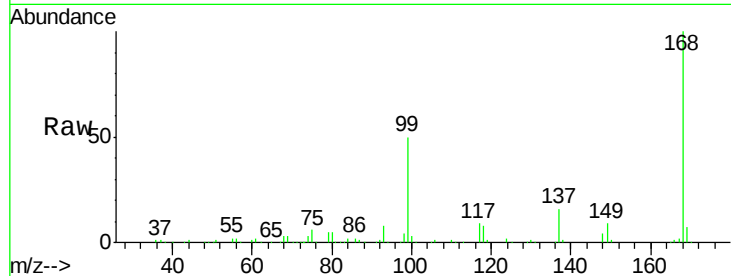




#38
Carbon Tetrachloride
Concen: 4.71 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX001649.D
Acq: 11 May 2018 19:41

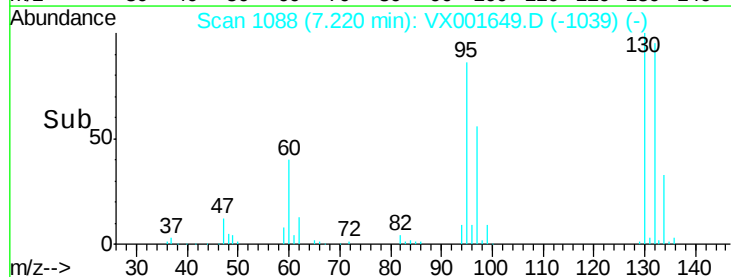
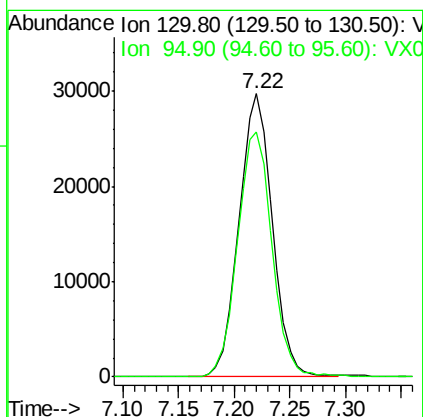
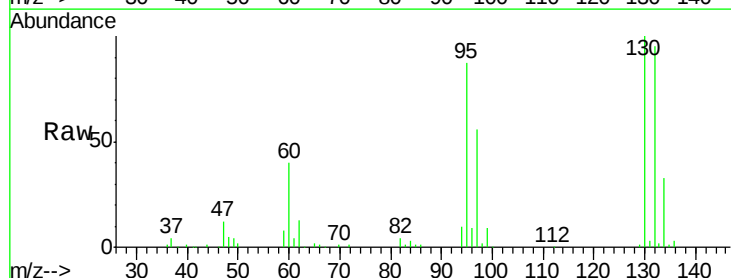
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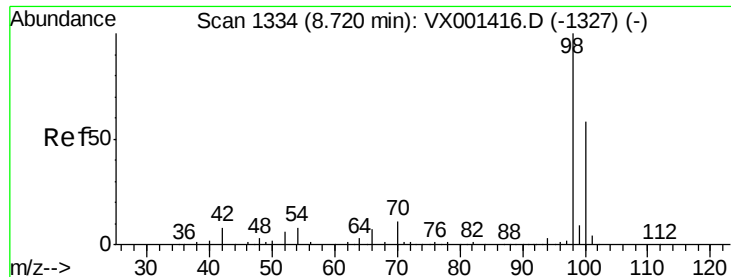
Tgt Ion:117 Resp: 20500
Ion Ratio Lower Upper
117 100
119 5.8 77.0 115.6#
121 0.0 25.1 37.7#



#44
Trichloroethene
Concen: 16.97 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VX001649.D
Acq: 11 May 2018 19:41

Tgt Ion:130 Resp: 61809
Ion Ratio Lower Upper
130 100
95 86.6 0.0 178.4





#50

Toluene-d8

Concen: 52.31 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001649.D

Acq: 11 May 2018 19:41

Instrument :

MSVOA_X

ClientSampleId :

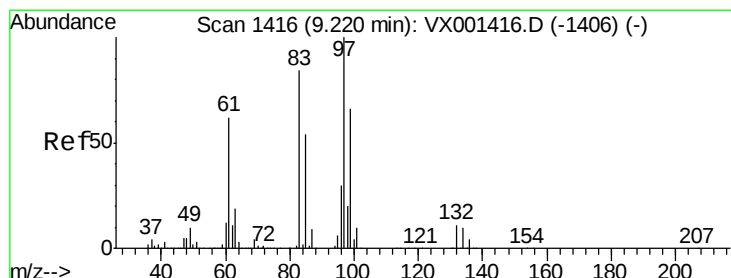
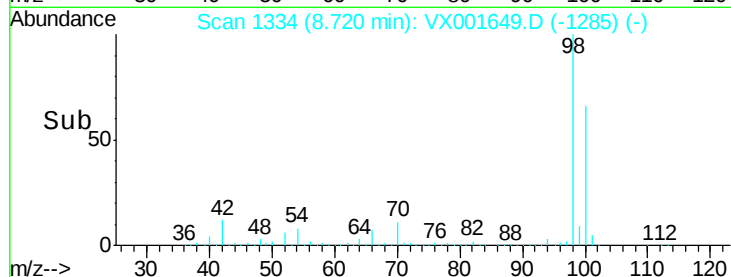
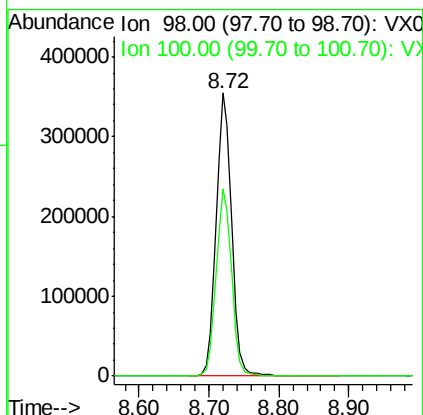
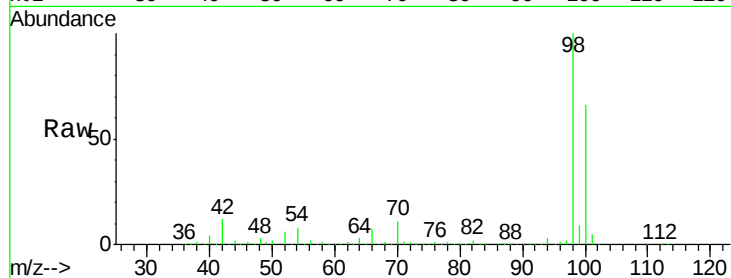
SS037MW304-180502

Tgt Ion: 98 Resp: 544673

Ion Ratio Lower Upper

98 100

100 66.2 54.0 81.0



#55

1,1,2-Trichloroethane

Concen: 1.78 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. 0.12 min

Lab File: VX001649.D

Acq: 11 May 2018 19:41

Tgt Ion: 97 Resp: 5575

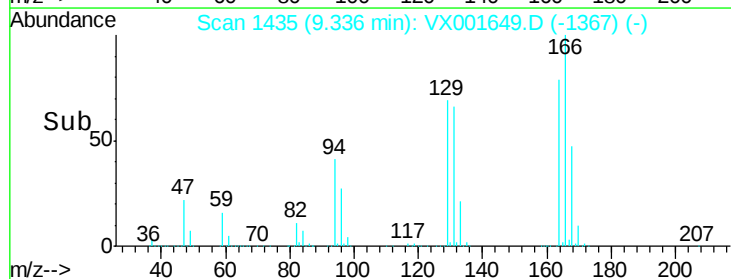
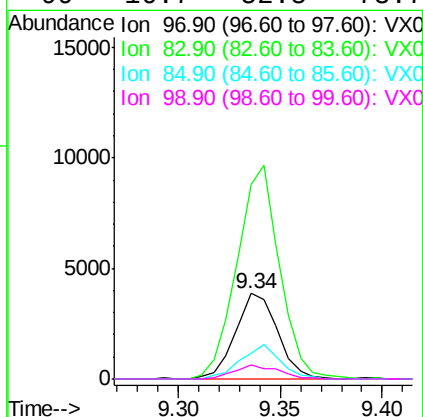
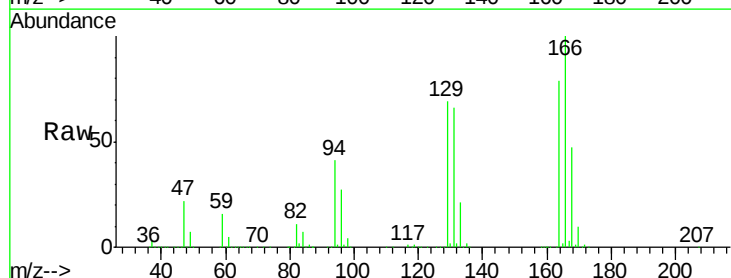
Ion Ratio Lower Upper

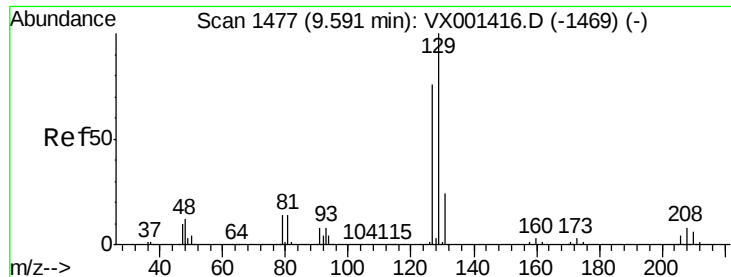
97 100

83 227.1 67.4 101.0#

85 29.3 43.3 64.9#

99 16.7 52.5 78.7#





#60

Dibromochloromethane

Concen: 203.24 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.25 min

Lab File: VX001649.D

Acq: 11 May 2018 19:41

Instrument :

MSVOA_X

ClientSampleId :

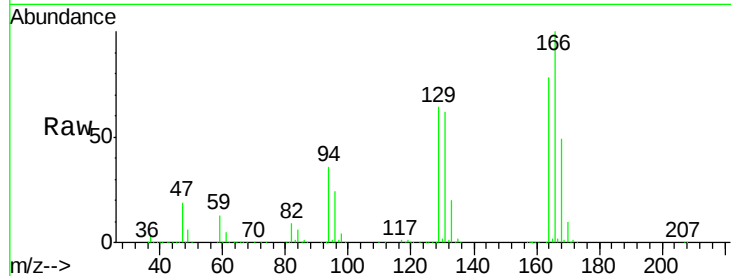
SS037MW304-180502

Tgt Ion:129 Resp: 653316

Ion Ratio Lower Upper

129 100

127 0.0 38.1 114.5#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.34

400000

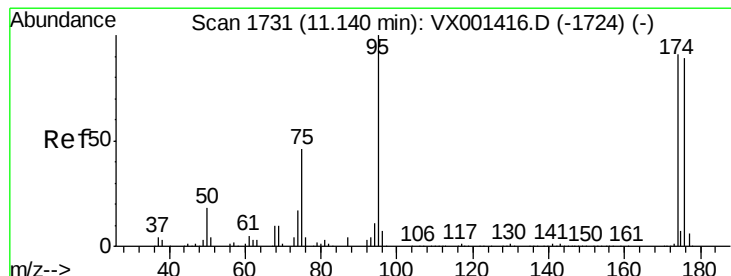
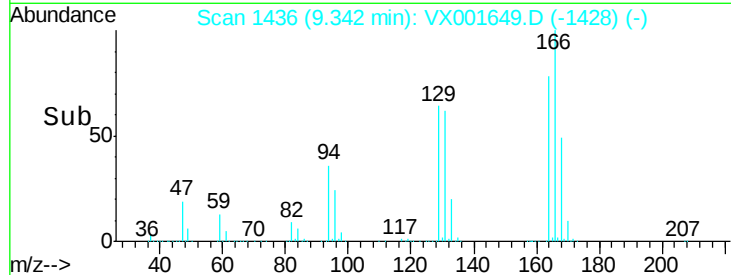
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 44.55 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.01 min

Lab File: VX001649.D

Acq: 11 May 2018 19:41

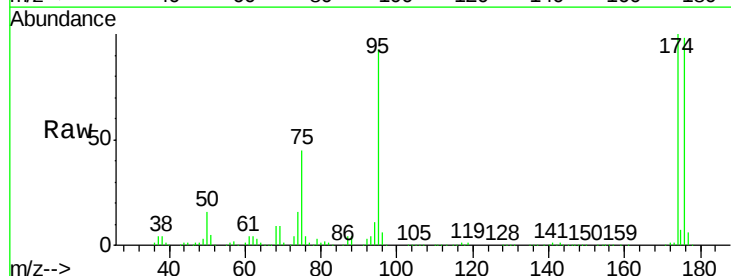
Tgt Ion: 95 Resp: 178064

Ion Ratio Lower Upper

95 100

174 101.6 0.0 202.0

176 98.6 0.0 197.4



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

200000

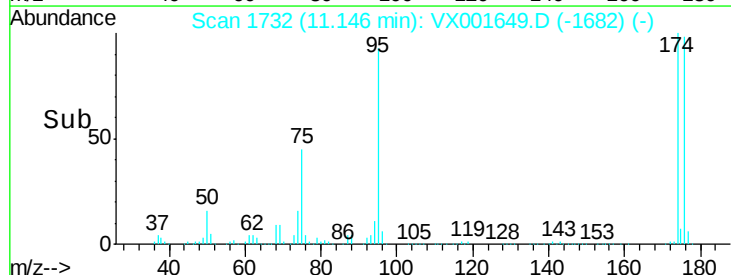
150000

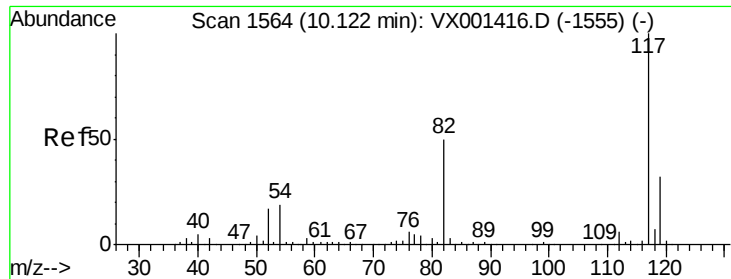
100000

50000

0

Time-->

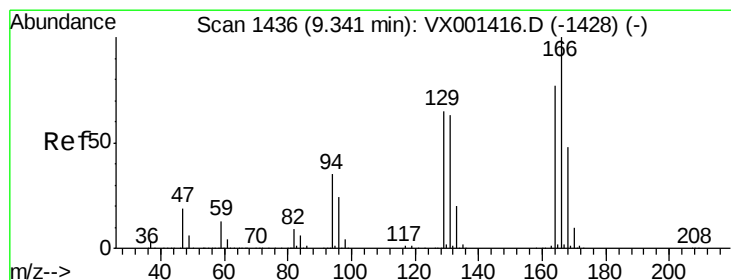
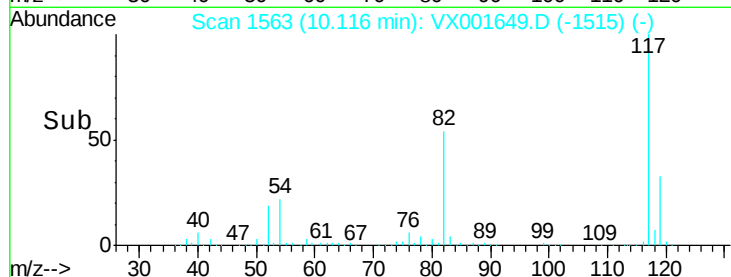
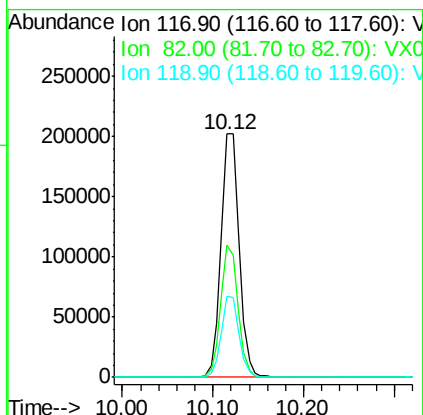
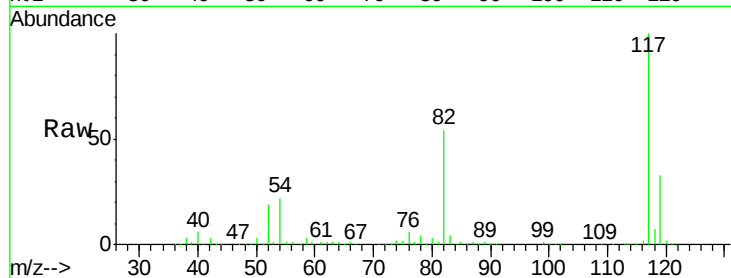




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001649.D
Acq: 11 May 2018 19:41

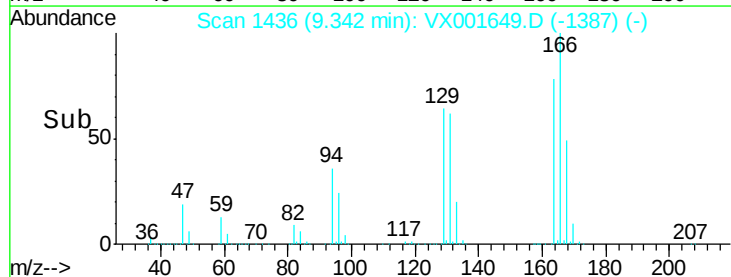
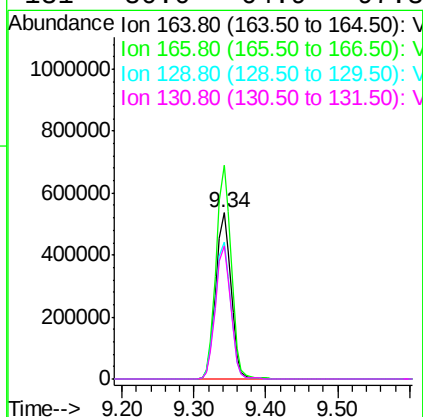
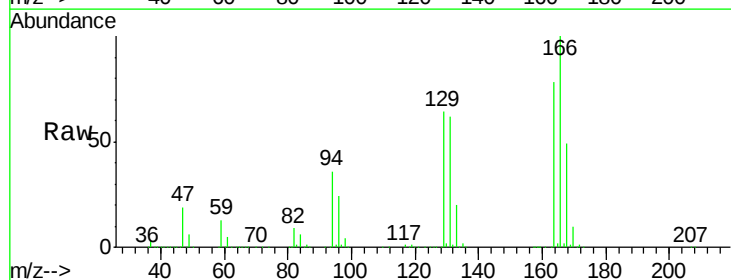
Instrument :
MSVOA_X
ClientSampleId :
SS037MW304-180502

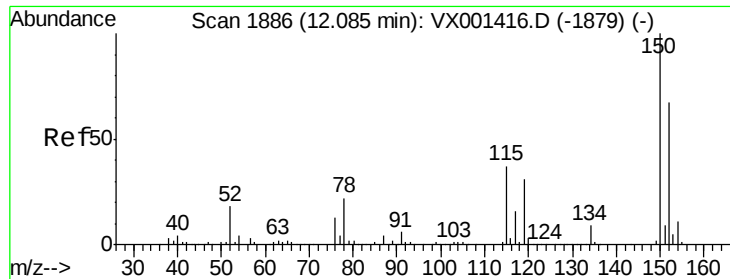
Tgt Ion:117 Resp: 283636
Ion Ratio Lower Upper
117 100
82 54.2 40.0 60.0
119 33.1 25.8 38.8



#64
Tetrachloroethene
Concen: 198.20 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001649.D
Acq: 11 May 2018 19:41

Tgt Ion:164 Resp: 783566
Ion Ratio Lower Upper
164 100
166 128.7 103.5 155.3
129 82.8 66.7 100.1
131 80.0 64.9 97.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001649.D

Acq: 11 May 2018 19:41

Instrument :

MSVOA_X

ClientSampleId :

SS037MW304-180502

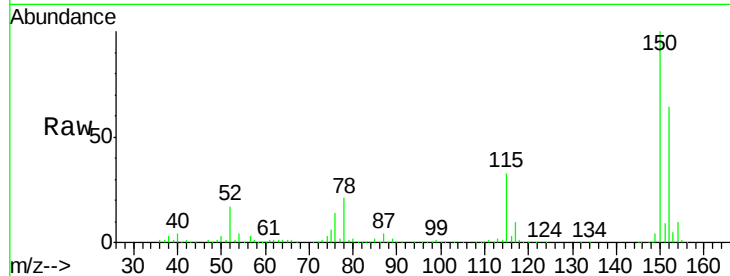
Tgt Ion:152 Resp: 149591

Ion Ratio Lower Upper

152 100

115 52.1 37.7 113.1

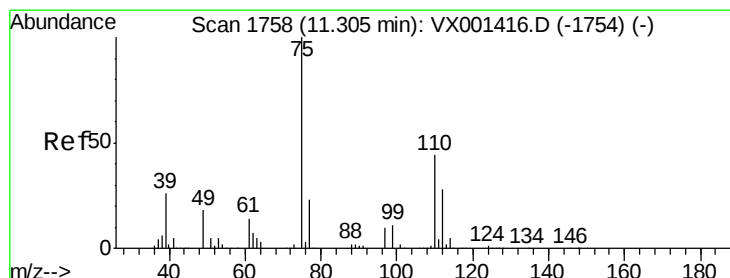
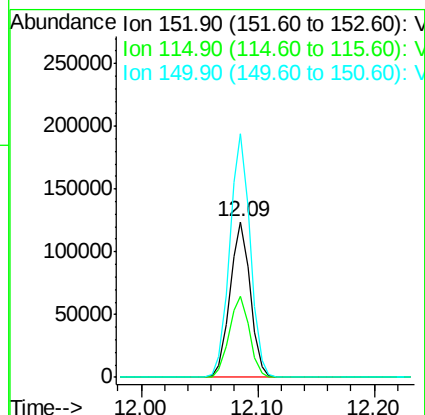
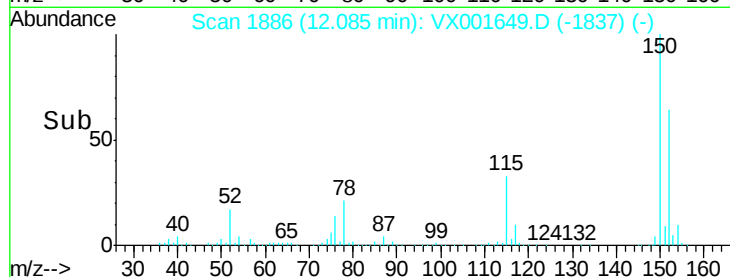
150 157.5 0.0 349.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 29.11 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001649.D

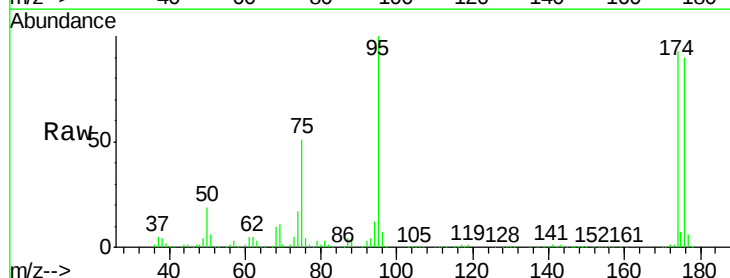
Acq: 11 May 2018 19:41

Tgt Ion: 75 Resp: 88329

Ion Ratio Lower Upper

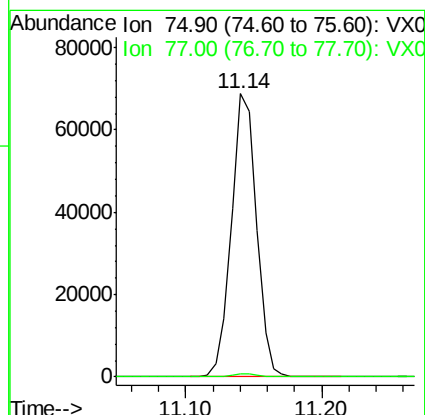
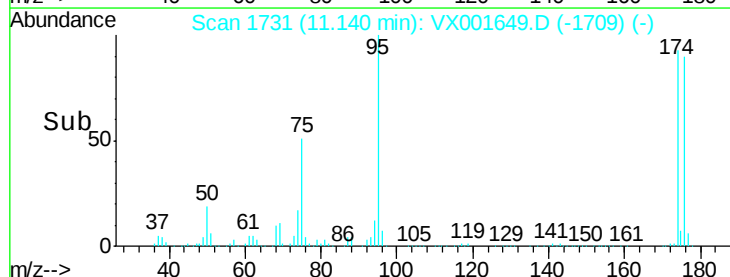
75 100

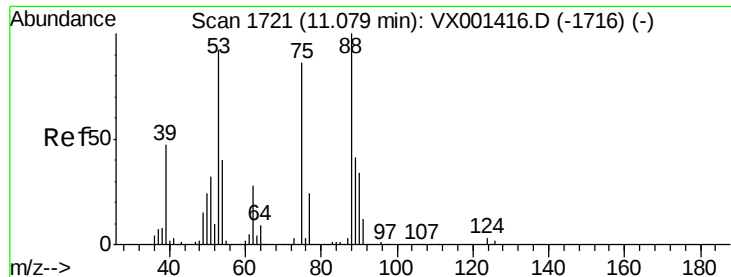
77 1.1 19.6 58.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 89.15 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001649.D

Acq: 11 May 2018 19:41

Instrument :

MSVOA_X

ClientSampleId :

SS037MW304-180502

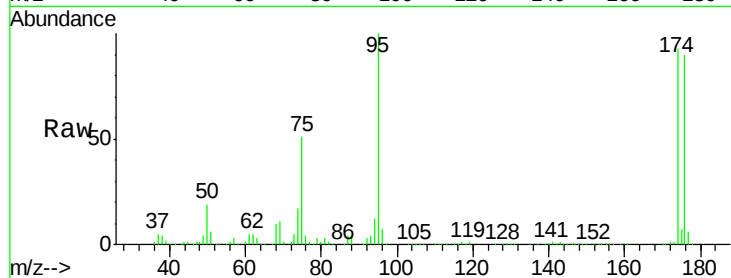
Tgt Ion: 75 Resp: 88329

Ion Ratio Lower Upper

75 100

53 0.1 84.5 126.7#

89 0.0 39.5 59.3#



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

