

Data File : VX001669.D

Acq On : 12 May 2018 16:16

Operator : JC/MD

Sample : J2741-05DL 5X

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
M-19-180501DL

Quant Time: May 14 06:00:58 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	260296	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	348505	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	298478	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	155898	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	208264	55.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.34%	
35) Dibromofluoromethane	5.51	113	165472	53.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.76%	
50) Toluene-d8	8.72	98	574435	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
62) 4-Bromofluorobenzene	11.14	95	182031	41.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.82%	

Target Compounds

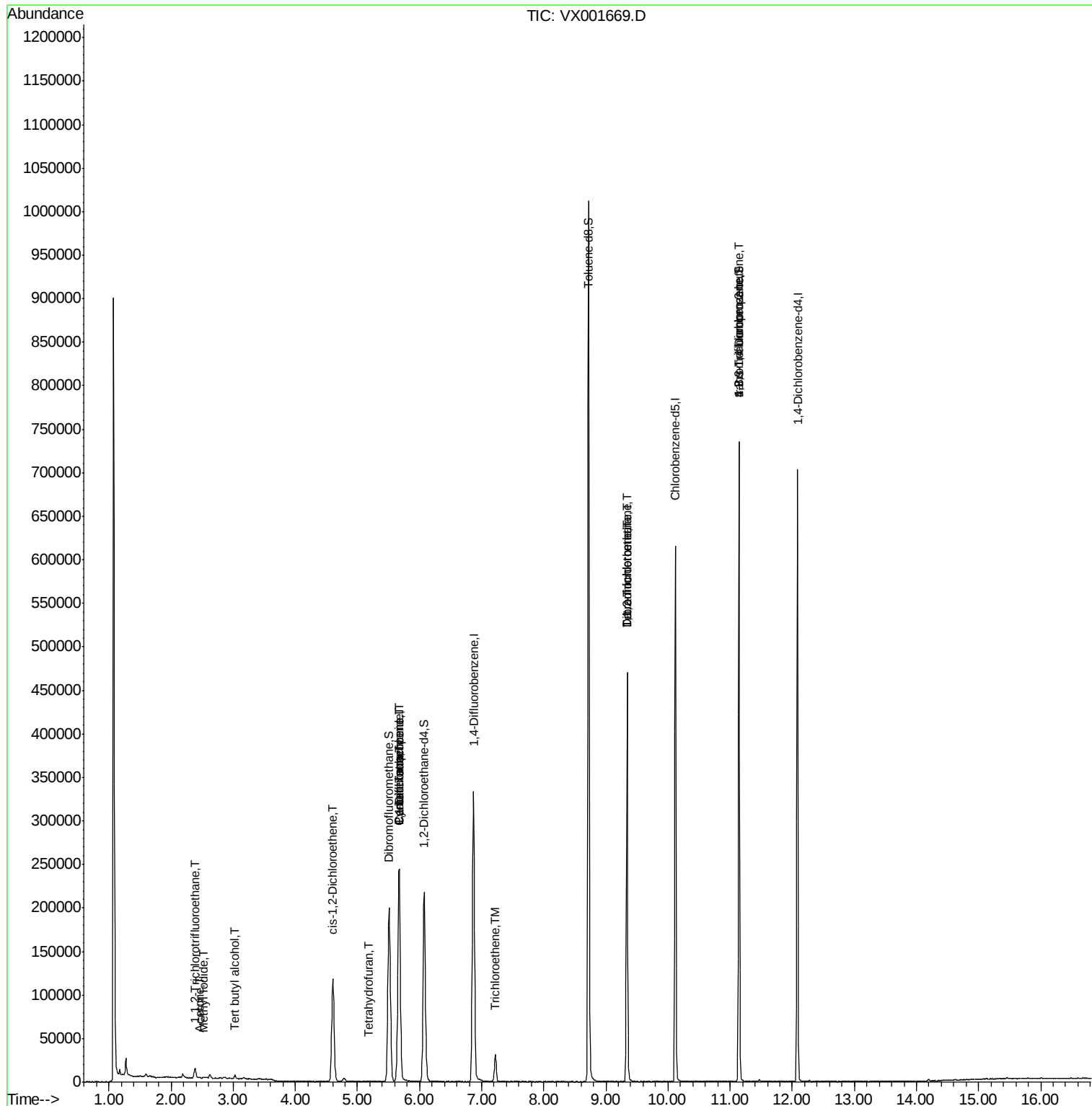
						Qvalue
5) Bromomethane	1.65	94	1430	Below Cal		82
9) 1,1,2-Trichlorotrifluoroet	2.39	101	4471	1.42 ug/l		98
10) Methyl Iodide	2.52	142	1194	0.26 ug/l #		90
11) Tert butyl alcohol	3.03	59	2321	2.94 ug/l #		76
13) Acrolein	2.35	56	26	Below Cal #		1
16) Acetone	2.45	43	994	0.59 ug/l		98
27) cis-1,2-Dichloroethene	4.60	96	76761	22.42 ug/l		86
29) Tetrahydrofuran	5.17	42	378	0.24 ug/l #		48
31) Cyclohexane	5.66	56	4293	0.89 ug/l #		6
36) 1,1-Dichloropropene	5.67	75	15967	3.60 ug/l #		49
38) Carbon Tetrachloride	5.67	117	22032	4.66 ug/l #		16
44) Trichloroethene	7.22	130	12536	3.17 ug/l		100
55) 1,1,2-Trichloroethane	9.34	97	703	0.21 ug/l #		1
60) Dibromochloromethane	9.34	129	85704	24.54 ug/l #		11
64) Tetrachloroethene	9.34	164	101715	24.45 ug/l		99
76) 1,2,3-Trichloropropane	11.14	75	87772	27.76 ug/l #		38
81) trans-1,4-Dichloro-2-buten	11.14	75	87772	85.21 ug/l #		7

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

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001669.D

Acq: 12 May 2018 16:16

Instrument :

MSVOA_X

ClientSampleId :

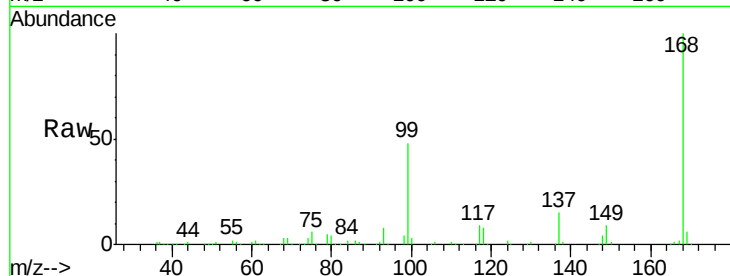
M-19-180501DL

Tgt Ion:168 Resp: 260296

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

100000

80000

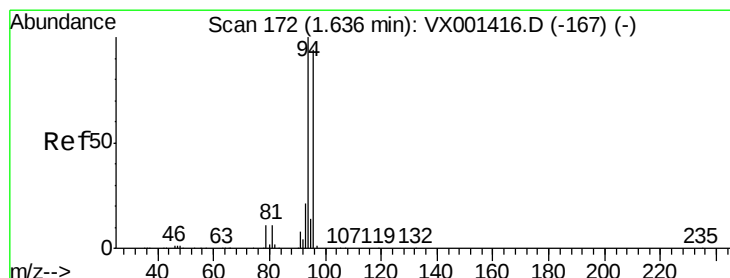
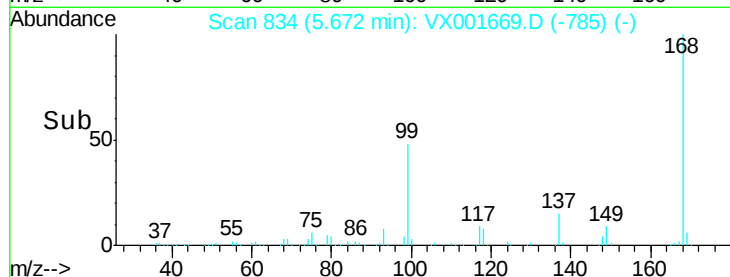
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001669.D

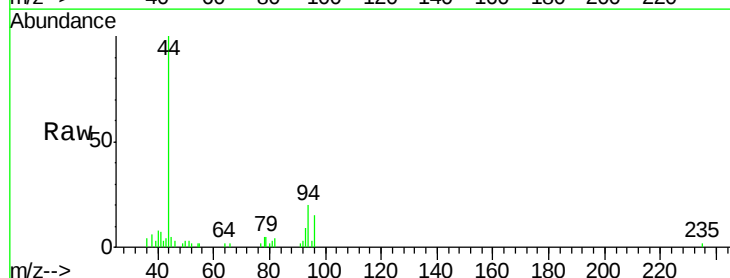
Acq: 12 May 2018 16:16

Tgt Ion: 94 Resp: 1430

Ion Ratio Lower Upper

94 100

96 76.4 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

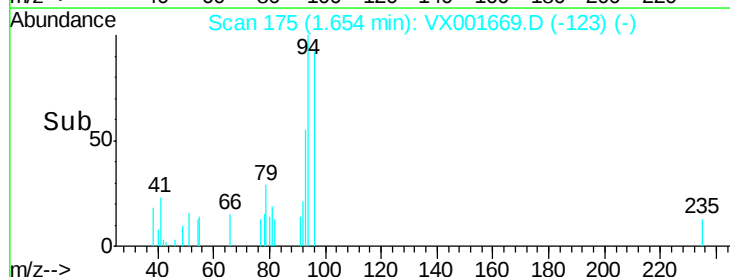
600

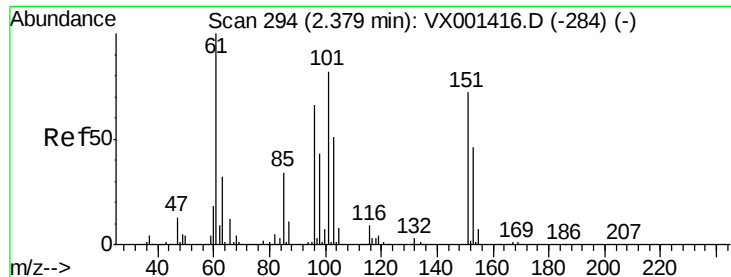
400

200

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.42 ug/l

RT: 2.39 min Scan# 295

Delta R.T. 0.01 min

Lab File: VX001669.D

Acq: 12 May 2018 16:16

Instrument :

MSVOA_X

ClientSampleId :

M-19-180501DL

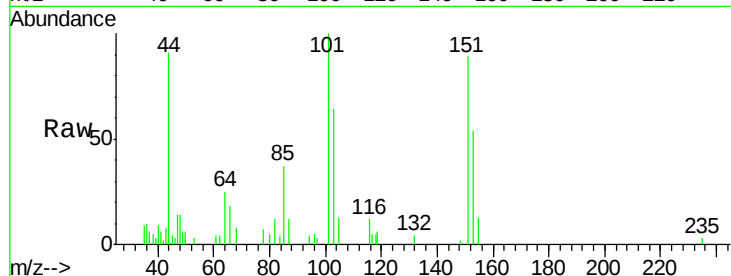
Tgt Ion:101 Resp: 4471

Ion Ratio Lower Upper

101 100

85 43.1 33.7 50.5

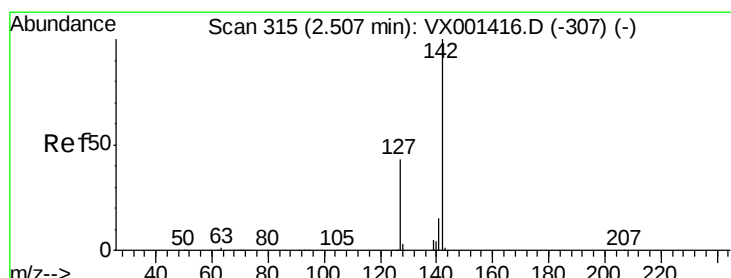
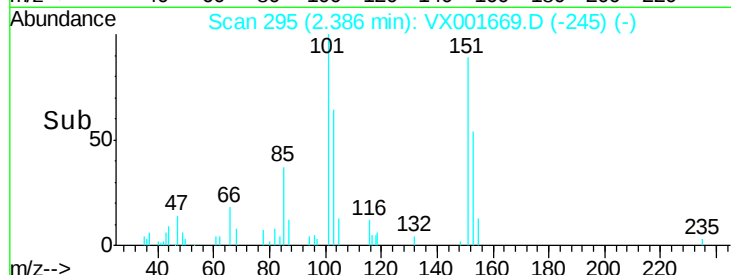
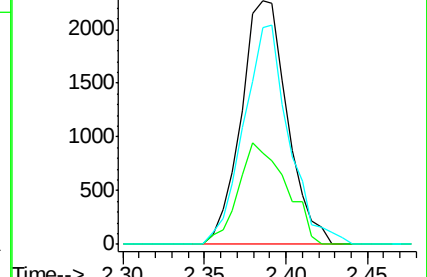
151 88.3 72.3 108.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.26 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001669.D

Acq: 12 May 2018 16:16

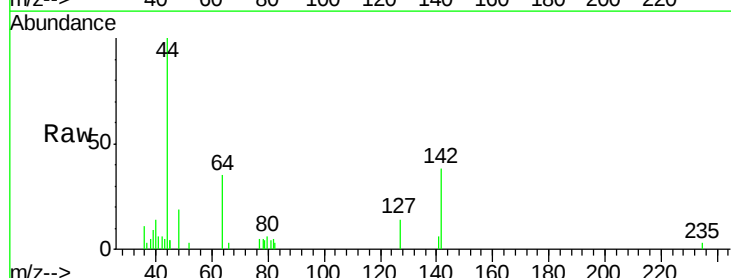
Tgt Ion:142 Resp: 1194

Ion Ratio Lower Upper

142 100

127 47.2 33.6 50.4

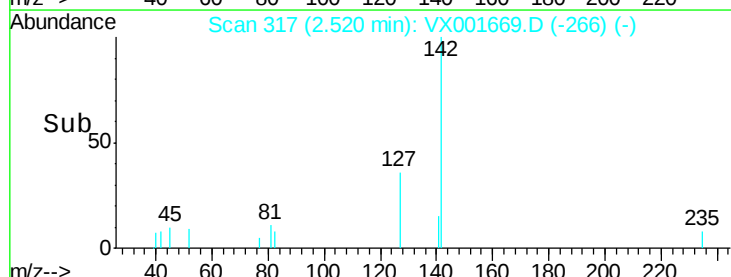
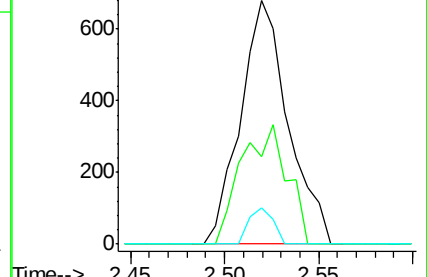
141 7.5 11.4 17.2#

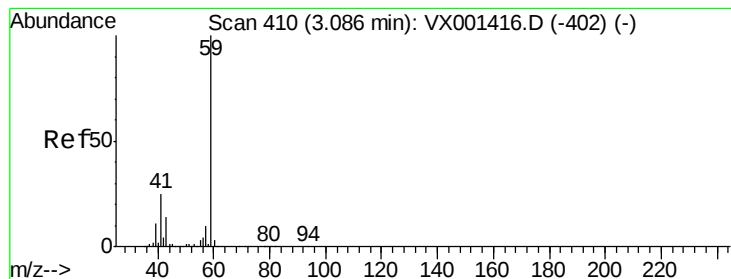


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



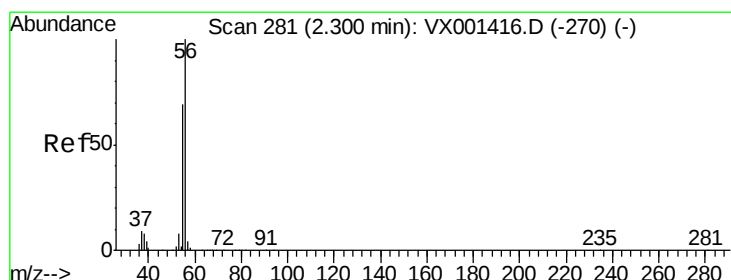
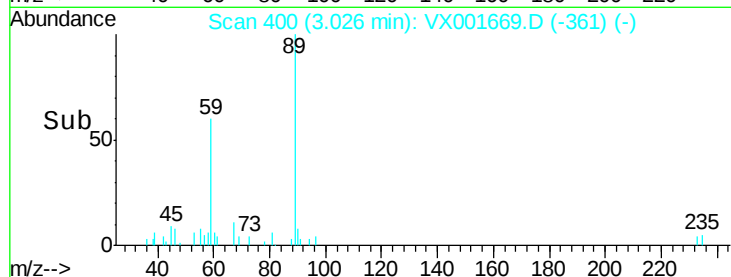
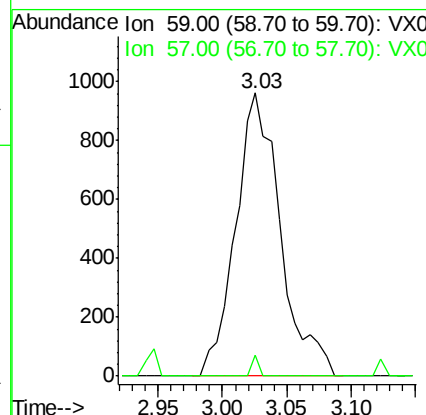
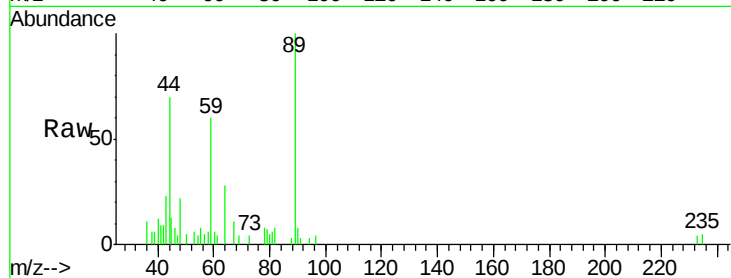


#11

Tert butyl alcohol
 Concen: 2.94 ug/l
 RT: 3.03 min Scan# 400
 Delta R.T. -0.06 min
 Lab File: VX001669.D
 Acq: 12 May 2018 16:16

Instrument :
 MSVOA_X
 ClientSampleId :
 M-19-180501DL

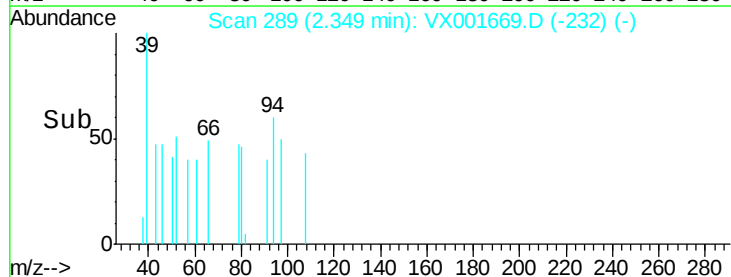
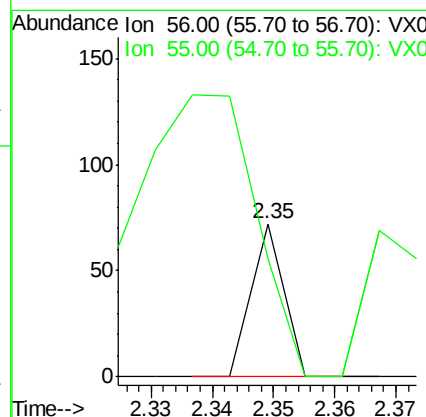
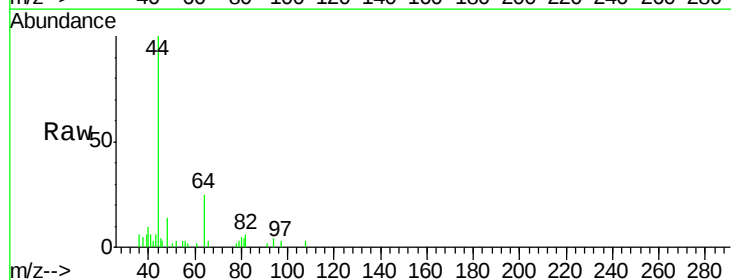
Tgt Ion: 59 Resp: 2321
 Ion Ratio Lower Upper
 59 100
 57 1.2 8.2 12.4#

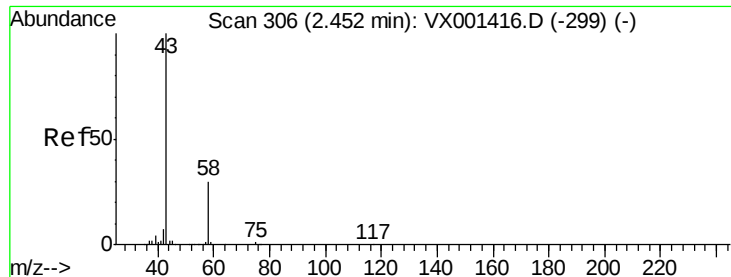


#13

Acrolein
 Concen: Below Cal
 RT: 2.35 min Scan# 289
 Delta R.T. 0.05 min
 Lab File: VX001669.D
 Acq: 12 May 2018 16:16

Tgt Ion: 56 Resp: 26
 Ion Ratio Lower Upper
 56 100
 55 688.5 54.5 81.7#





#16

Acetone

Concen: 0.59 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001669.D

Acq: 12 May 2018 16:16

Instrument :

MSVOA_X

ClientSampleId :

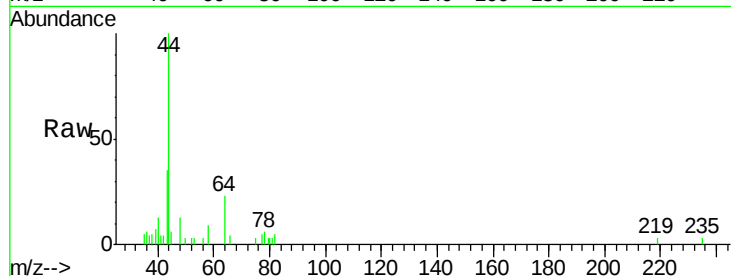
M-19-180501DL

Tgt Ion: 43 Resp: 994

Ion Ratio Lower Upper

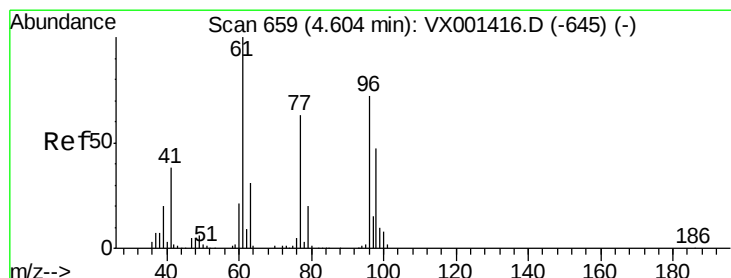
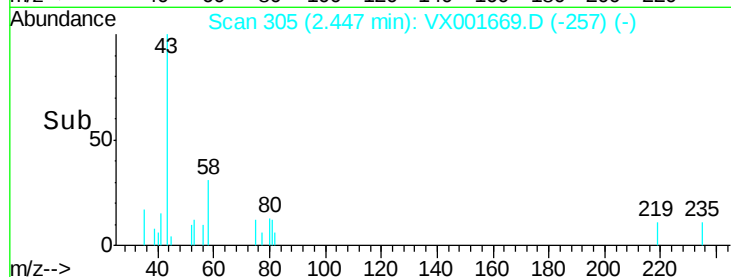
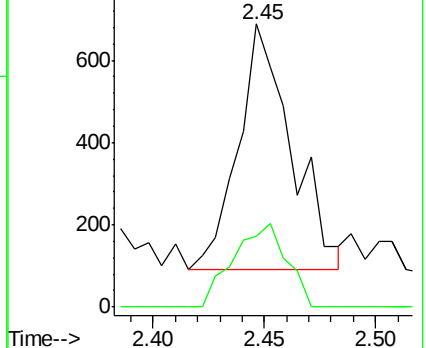
43 100

58 28.9 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 22.42 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001669.D

Acq: 12 May 2018 16:16

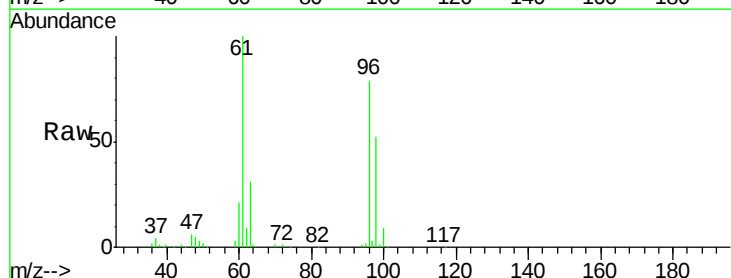
Tgt Ion: 96 Resp: 76761

Ion Ratio Lower Upper

96 100

61 125.8 0.0 301.6

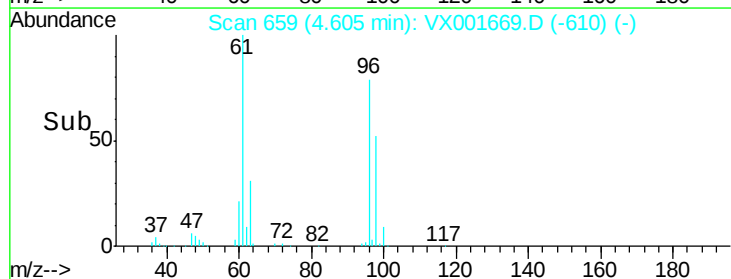
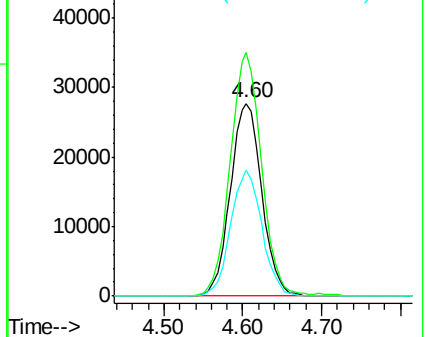
98 65.0 0.0 131.6

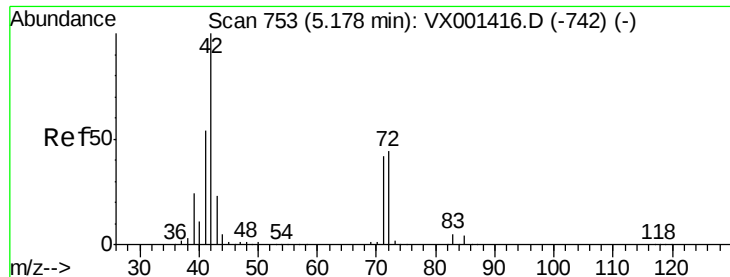


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

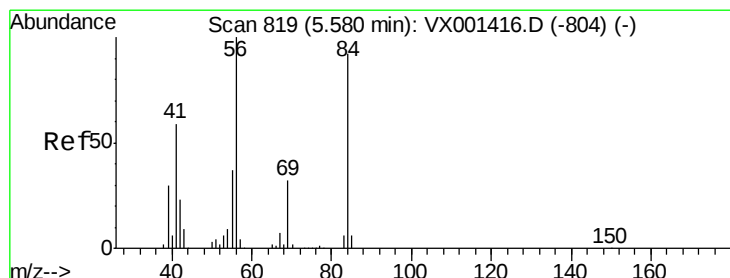
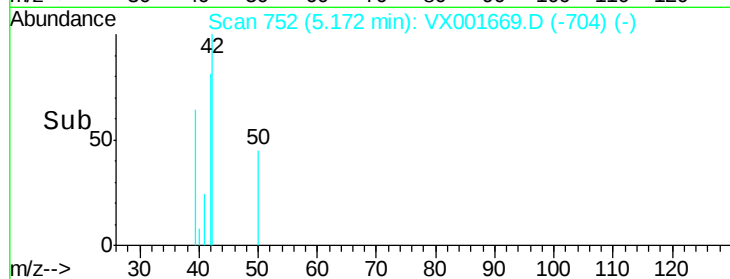
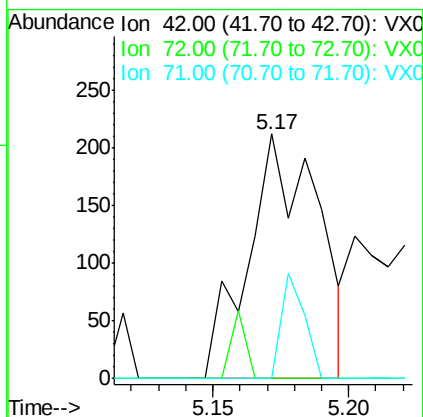
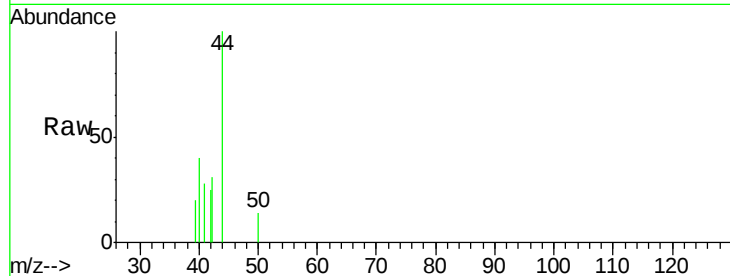




#29
Tetrahydrofuran
Concen: 0.24 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX001669.D
Acq: 12 May 2018 16:16

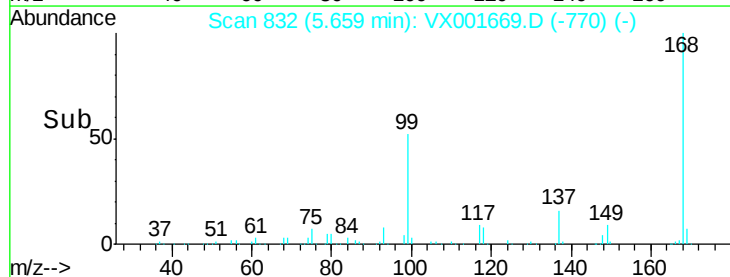
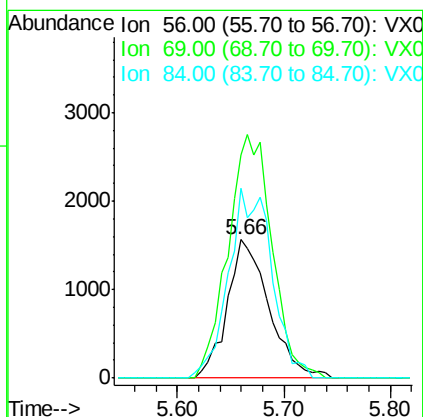
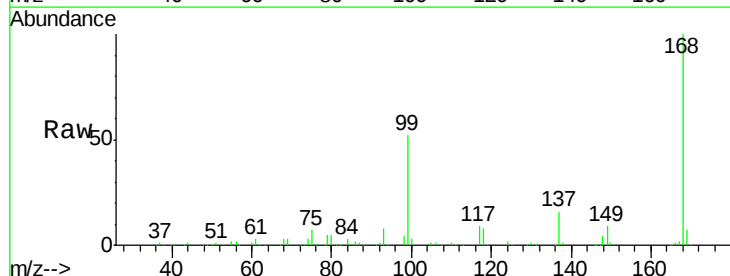
Instrument :
MSVOA_X
ClientSampled :
M-19-180501DL

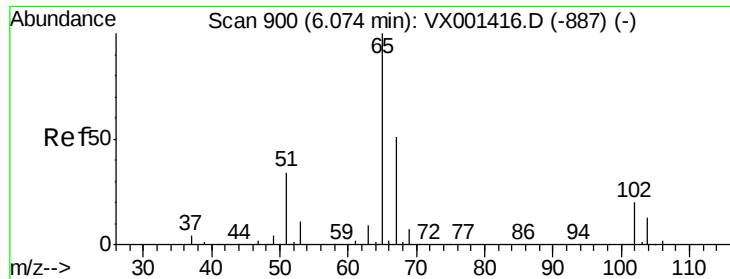
Tgt Ion: 42 Resp: 378
Ion Ratio Lower Upper
42 100
72 5.8 35.4 53.2#
71 14.0 33.0 49.4#



#31
Cyclohexane
Concen: 0.89 ug/l
RT: 5.66 min Scan# 832
Delta R.T. 0.08 min
Lab File: VX001669.D
Acq: 12 May 2018 16:16

Tgt Ion: 56 Resp: 4293
Ion Ratio Lower Upper
56 100
69 160.8 25.4 38.0#
84 137.1 73.8 110.8#

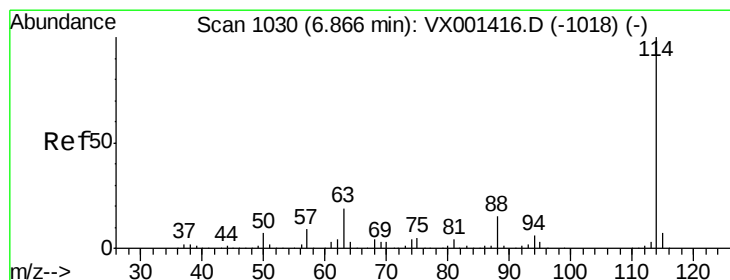
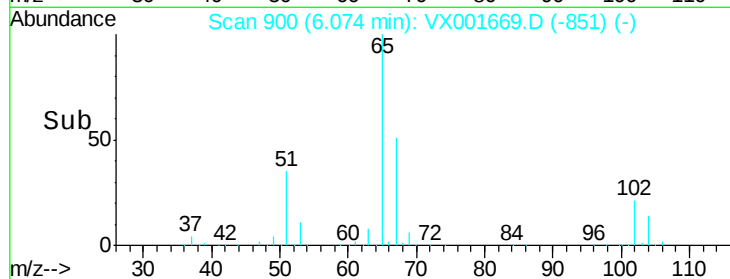
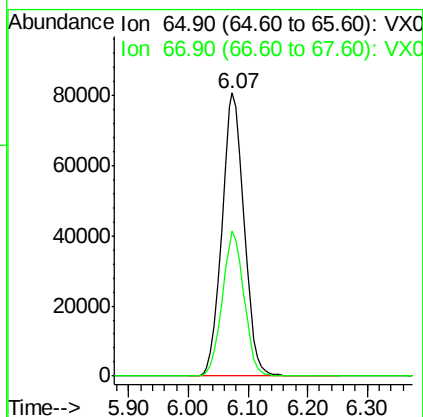
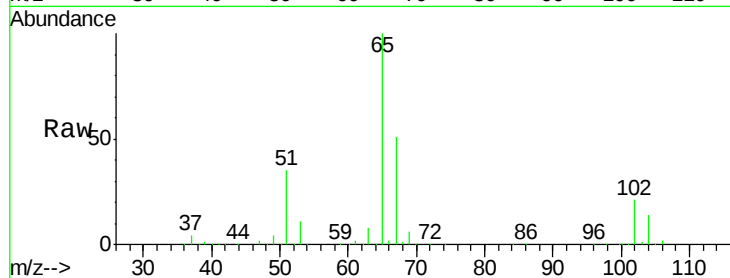




#33
 1,2-Dichloroethane-d4
 Concen: 55.67 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001669.D
 Acq: 12 May 2018 16:16

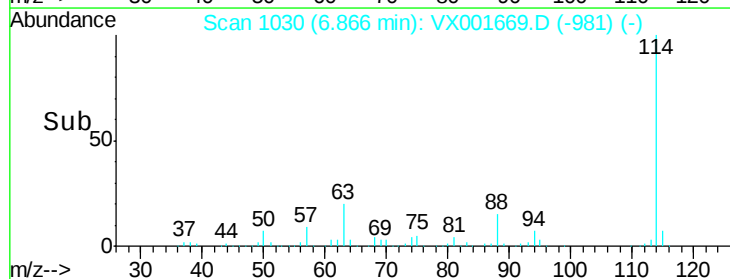
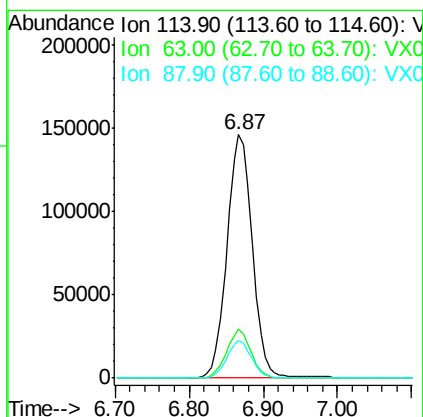
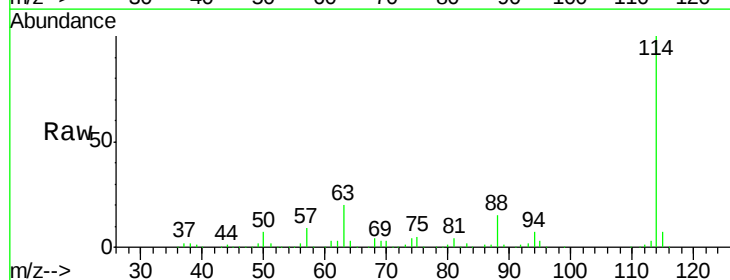
Instrument :
 MSVOA_X
 ClientSampleId :
 M-19-180501DL

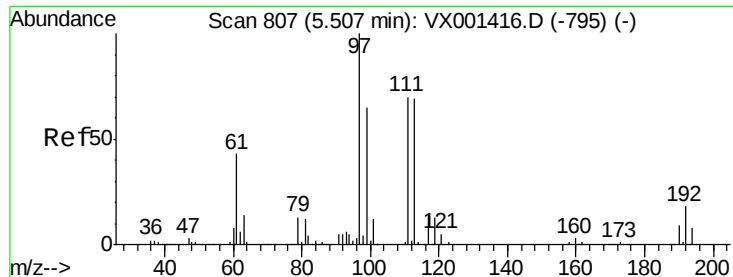
Tgt Ion: 65 Resp: 208264
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001669.D
 Acq: 12 May 2018 16:16

Tgt Ion: 114 Resp: 348505
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 38.6
 88 15.2 0.0 30.8





#35

Dibromofluoromethane

Concen: 53.38 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX001669.D

Acq: 12 May 2018 16:16

Instrument :

MSVOA_X

ClientSampleId :

M-19-180501DL

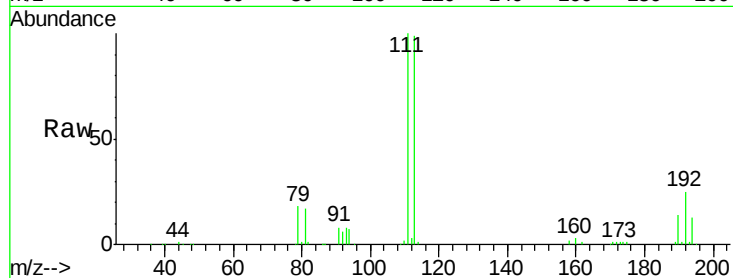
Tgt Ion:113 Resp: 165472

Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.2

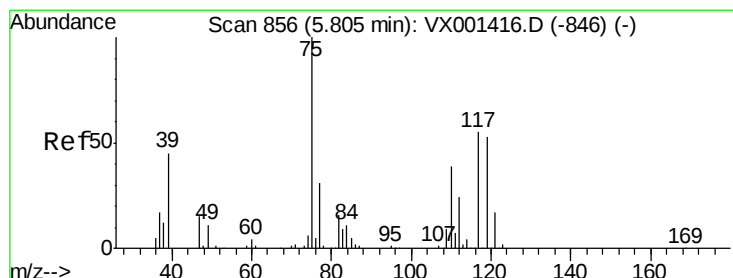
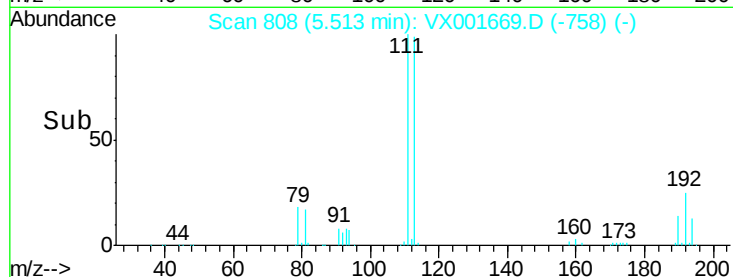
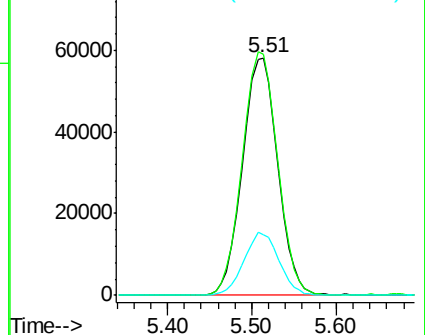
192 26.3 21.4 32.0



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: 3.60 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001669.D

Acq: 12 May 2018 16:16

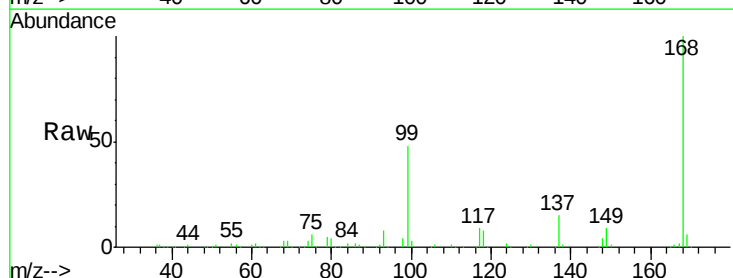
Tgt Ion: 75 Resp: 15967

Ion Ratio Lower Upper

75 100

110 10.0 18.9 56.7#

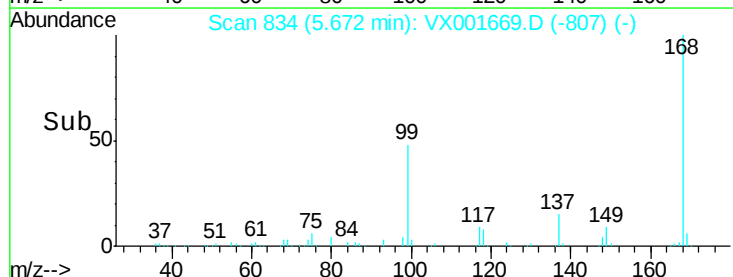
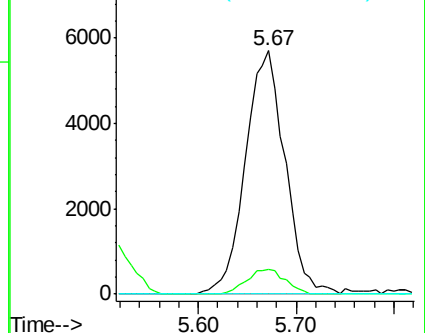
77 0.0 24.9 37.3#

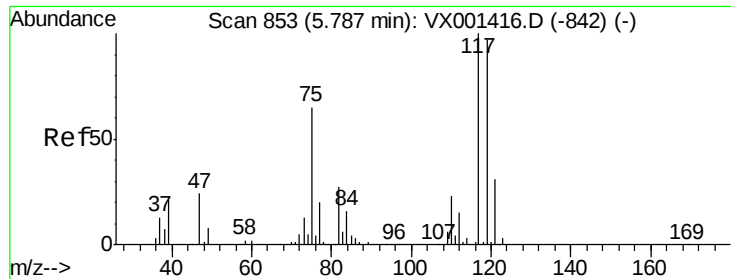


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 4.66 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001669.D

Acq: 12 May 2018 16:16

Instrument :

MSVOA_X

ClientSampled :

M-19-180501DL

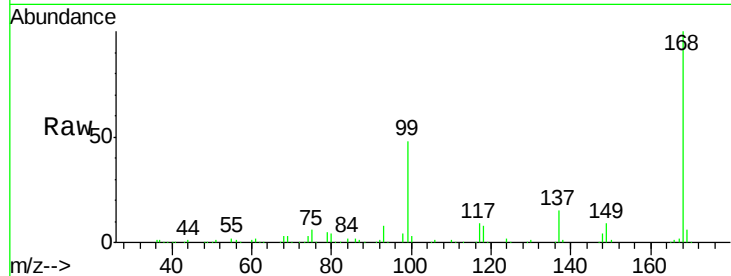
Tgt Ion:117 Resp: 22032

Ion Ratio Lower Upper

117 100

119 5.4 77.0 115.6#

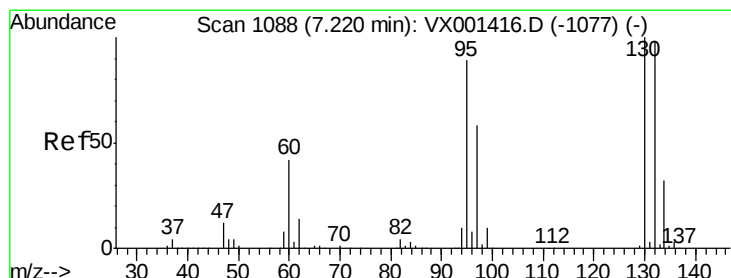
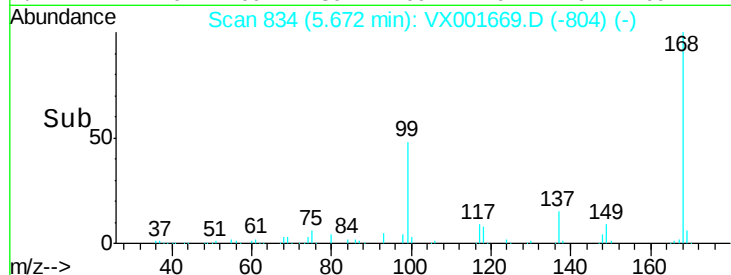
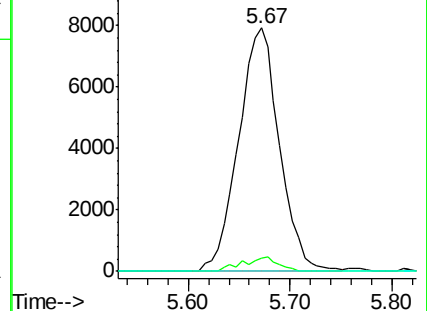
121 0.0 25.1 37.7#



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



#44

Trichloroethene

Concen: 3.17 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001669.D

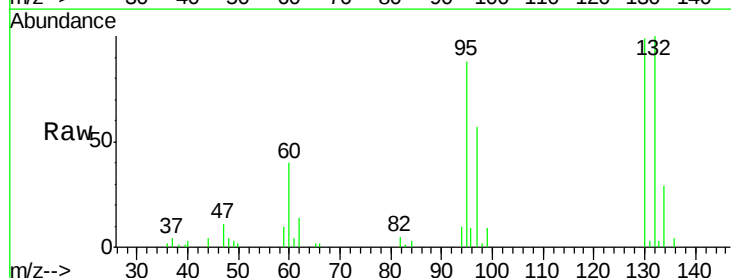
Acq: 12 May 2018 16:16

Tgt Ion:130 Resp: 12536

Ion Ratio Lower Upper

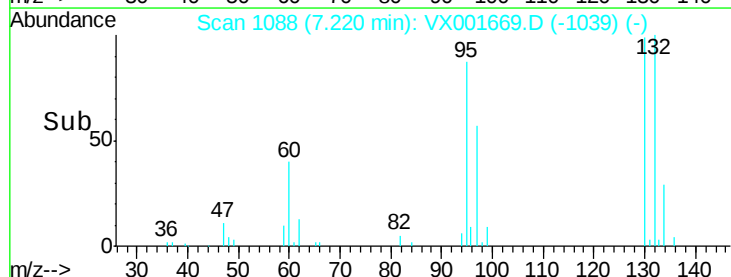
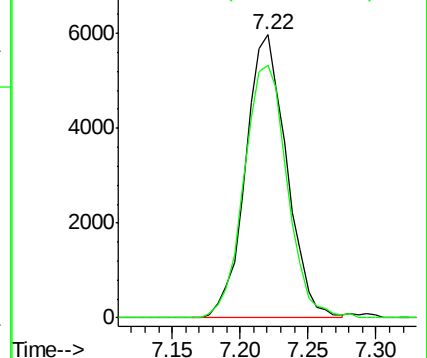
130 100

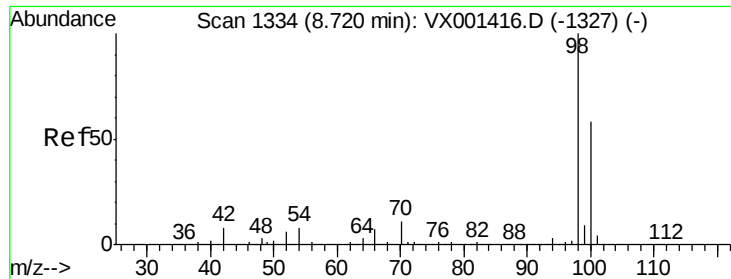
95 89.2 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 50.77 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001669.D

Acq: 12 May 2018 16:16

Instrument :

MSVOA_X

ClientSampled :

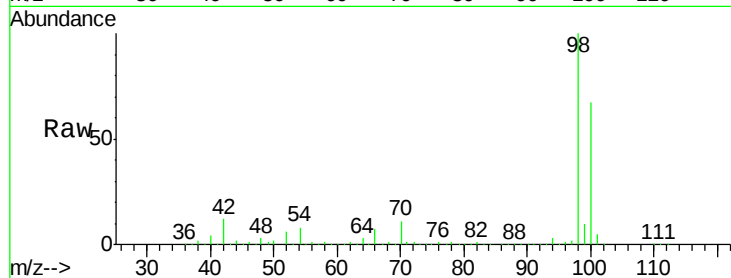
M-19-180501DL

Tgt Ion: 98 Resp: 574435

Ion Ratio Lower Upper

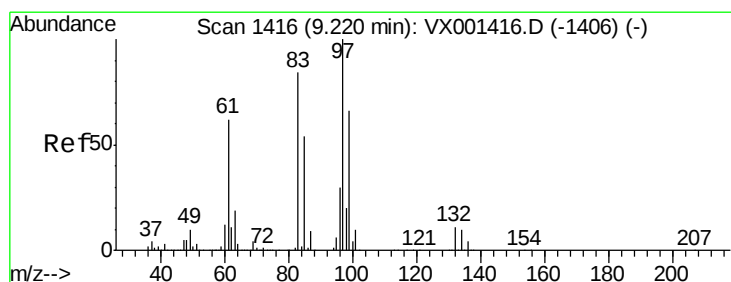
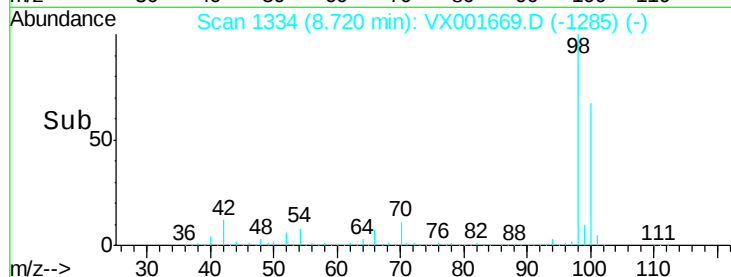
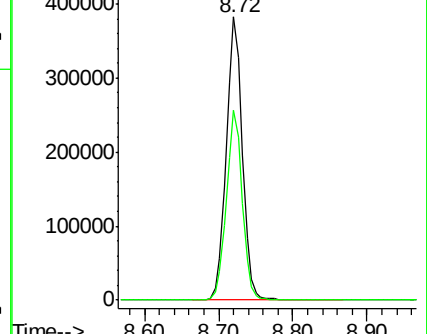
98 100

100 66.4 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#55

1,1,2-Trichloroethane

Concen: 0.21 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. 0.12 min

Lab File: VX001669.D

Acq: 12 May 2018 16:16

Tgt Ion: 97 Resp: 703

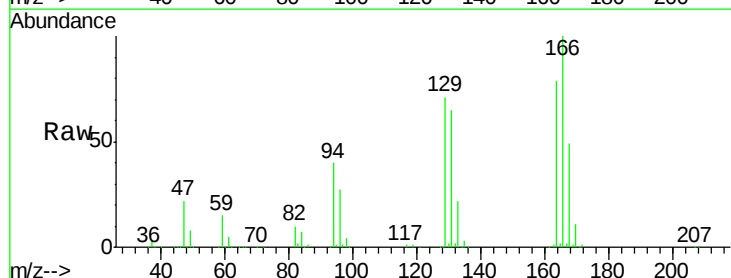
Ion Ratio Lower Upper

97 100

83 271.9 67.4 101.0#

85 32.5 43.3 64.9#

99 14.9 52.5 78.7#

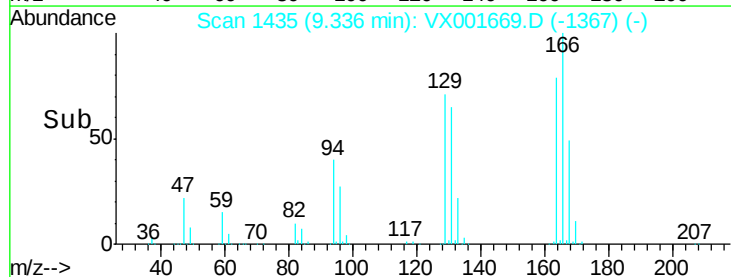
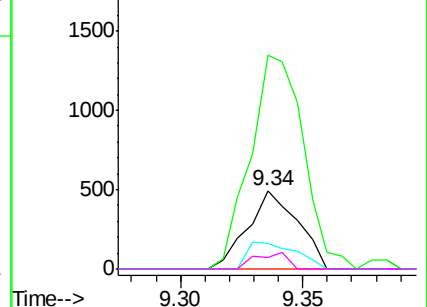


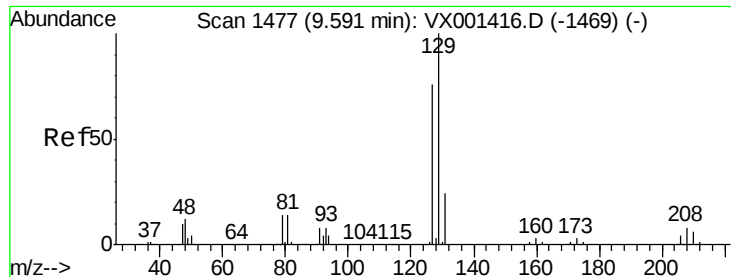
Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0





#60

Dibromochloromethane

Concen: 24.54 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.25 min

Lab File: VX001669.D

Acq: 12 May 2018 16:16

Instrument :

MSVOA_X

ClientSampleId :

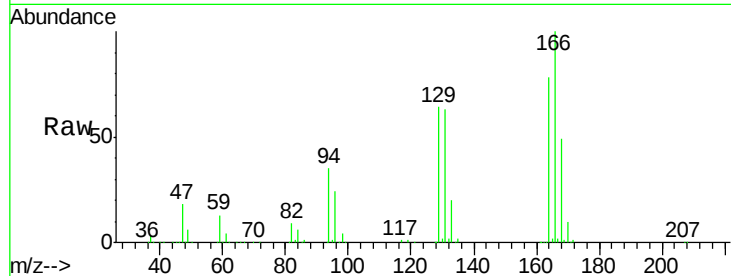
M-19-180501DL

Tgt Ion:129 Resp: 85704

Ion Ratio Lower Upper

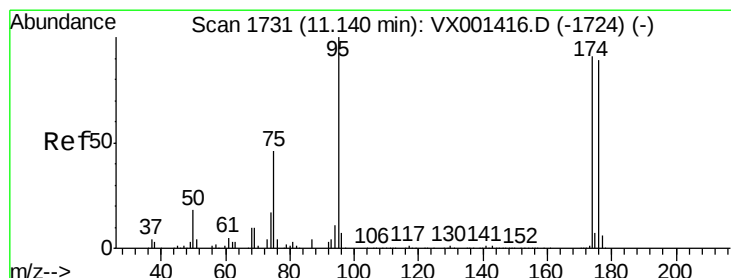
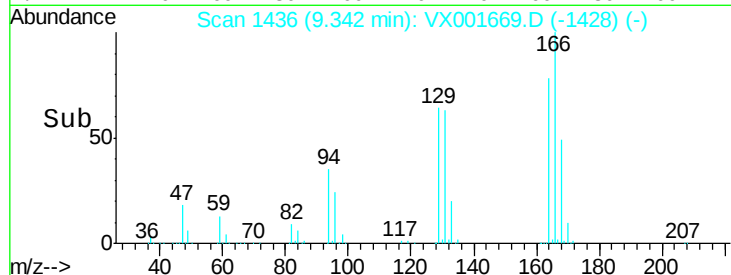
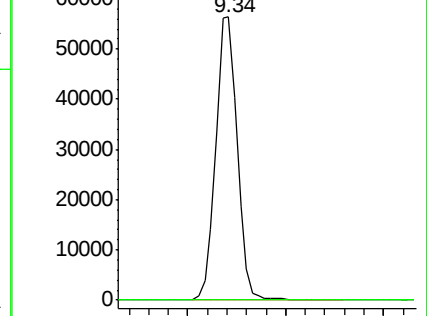
129 100

127 0.1 38.1 114.5#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 41.91 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001669.D

Acq: 12 May 2018 16:16

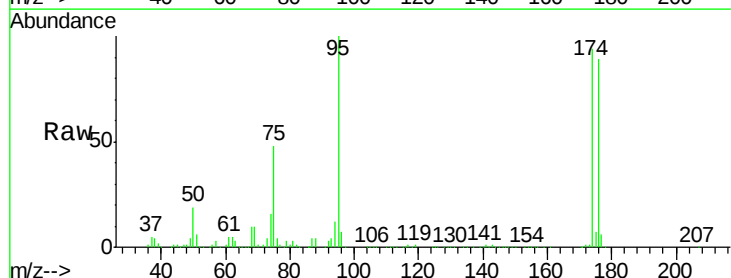
Tgt Ion: 95 Resp: 182031

Ion Ratio Lower Upper

95 100

174 102.2 0.0 202.0

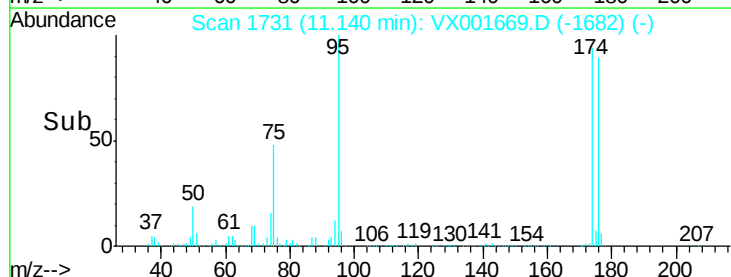
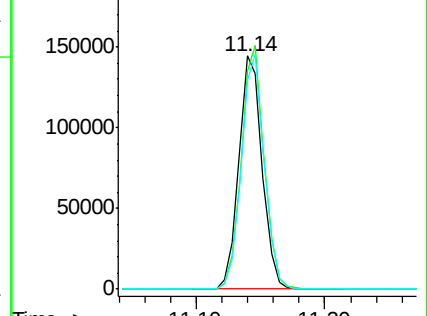
176 98.4 0.0 197.4

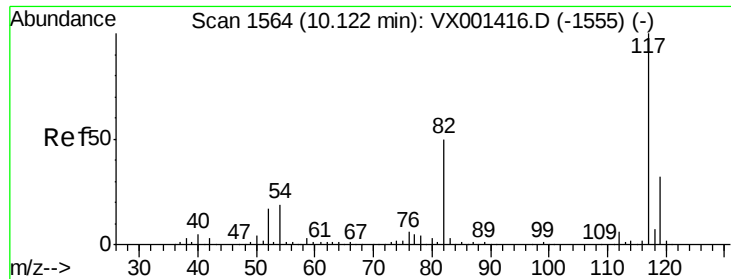


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

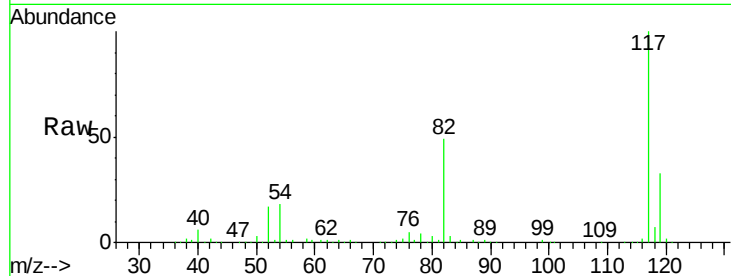




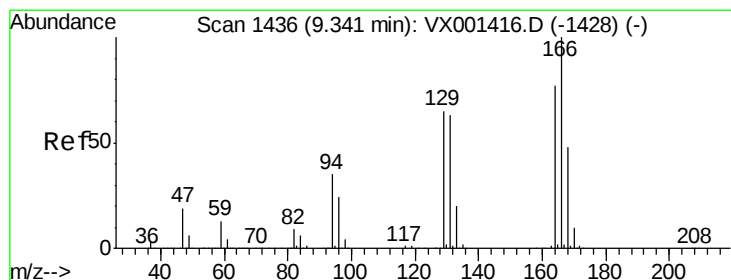
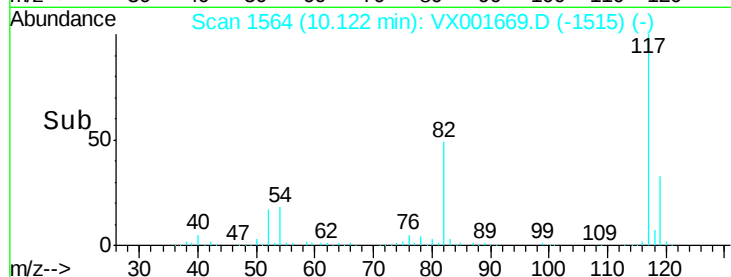
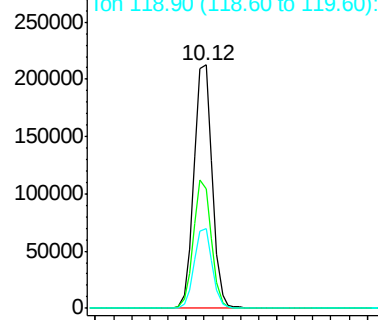
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001669.D
Acq: 12 May 2018 16:16

Instrument :
MSVOA_X
ClientSampled :
M-19-180501DL

Tgt Ion:117 Resp: 298478
Ion Ratio Lower Upper
117 100
82 48.8 40.0 60.0
119 32.7 25.8 38.8

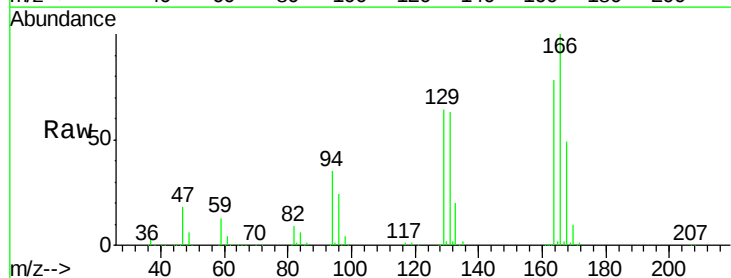


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

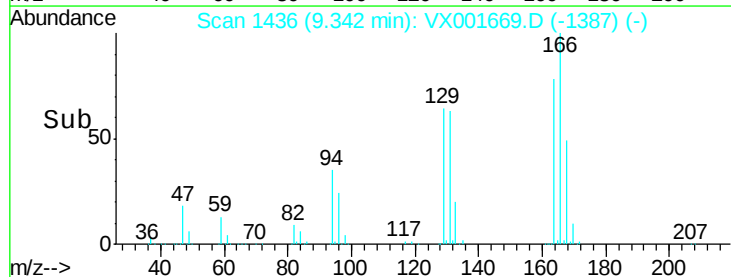
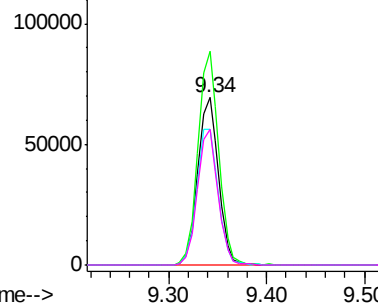


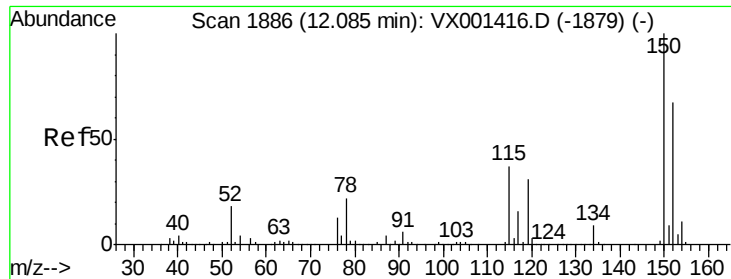
#64
Tetrachloroethene
Concen: 24.45 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001669.D
Acq: 12 May 2018 16:16

Tgt Ion:164 Resp: 101715
Ion Ratio Lower Upper
164 100
166 127.7 103.5 155.3
129 81.3 66.7 100.1
131 80.9 64.9 97.3



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001669.D

Acq: 12 May 2018 16:16

Instrument :

MSVOA_X

ClientSampleId :

M-19-180501DL

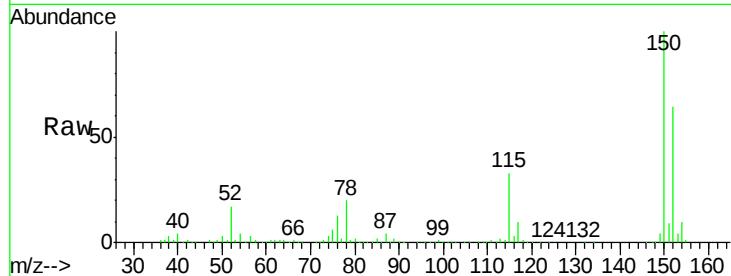
Tgt Ion:152 Resp: 155898

Ion Ratio Lower Upper

152 100

115 51.6 37.7 113.1

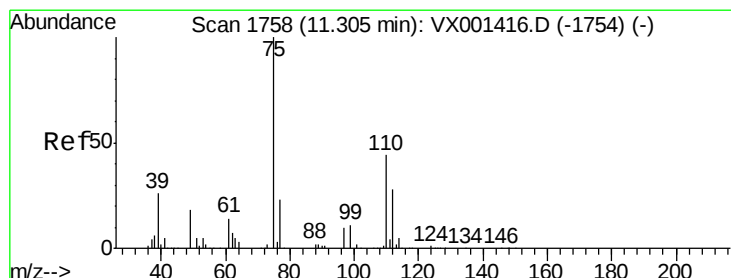
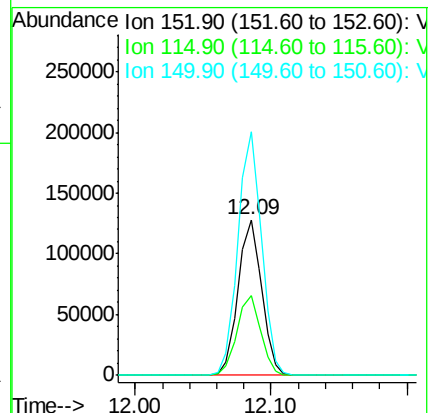
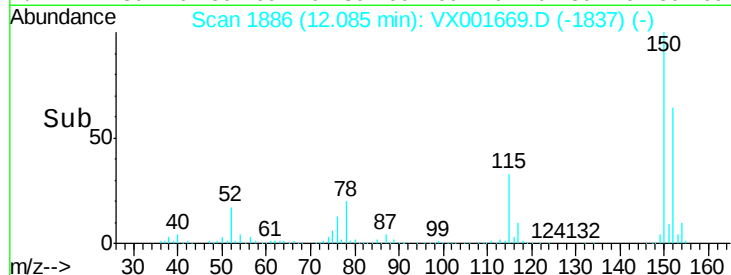
150 156.0 0.0 349.4



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: 27.76 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001669.D

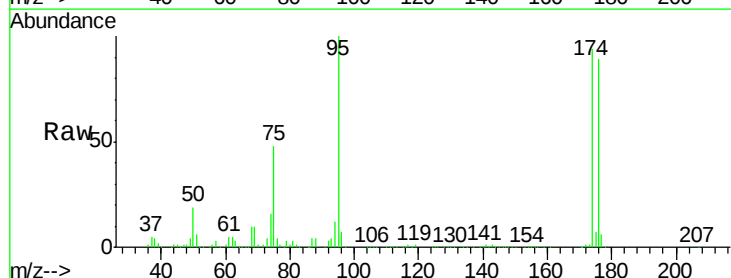
Acq: 12 May 2018 16:16

Tgt Ion: 75 Resp: 87772

Ion Ratio Lower Upper

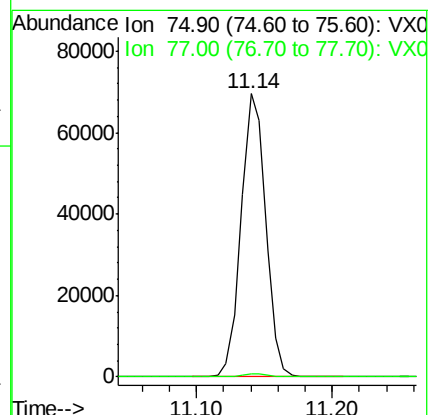
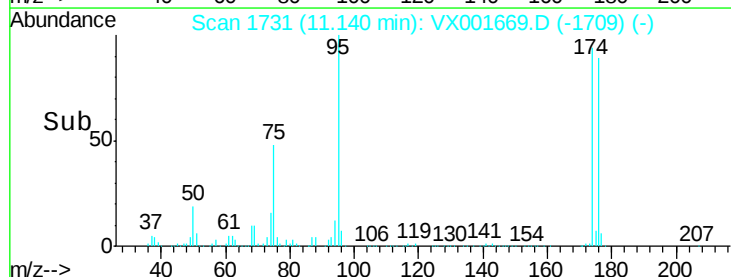
75 100

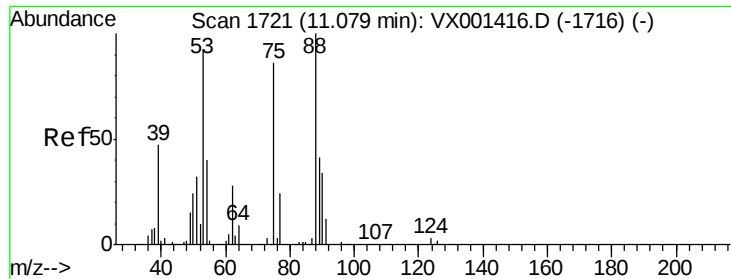
77 1.1 19.6 58.7#



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: 85.21 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001669.D

Acq: 12 May 2018 16:16

Instrument :

MSVOA_X

ClientSampleId :

M-19-180501DL

Tgt Ion: 75 Resp: 87772

Ion Ratio Lower Upper

75 100

53 0.2 84.5 126.7#

89 0.0 39.5 59.3#

