

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX051118\
 Data File : VX001647.D
 Acq On : 11 May 2018 18:48
 Operator : JC/MD
 Sample : J2741-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW301-180502

Quant Time: May 12 03:36:38 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	252624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	337455	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	294475	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	157377	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	203066	55.93	ug/l	0.00
Spiked Amount			Recovery	=	111.86%	
35) Dibromofluoromethane	5.51	113	163022	54.31	ug/l	0.00
Spiked Amount			Recovery	=	108.62%	
50) Toluene-d8	8.72	98	566328	51.69	ug/l	0.00
Spiked Amount			Recovery	=	103.38%	
62) 4-Bromofluorobenzene	11.14	95	184891	43.96	ug/l	0.00
Spiked Amount			Recovery	=	87.92%	

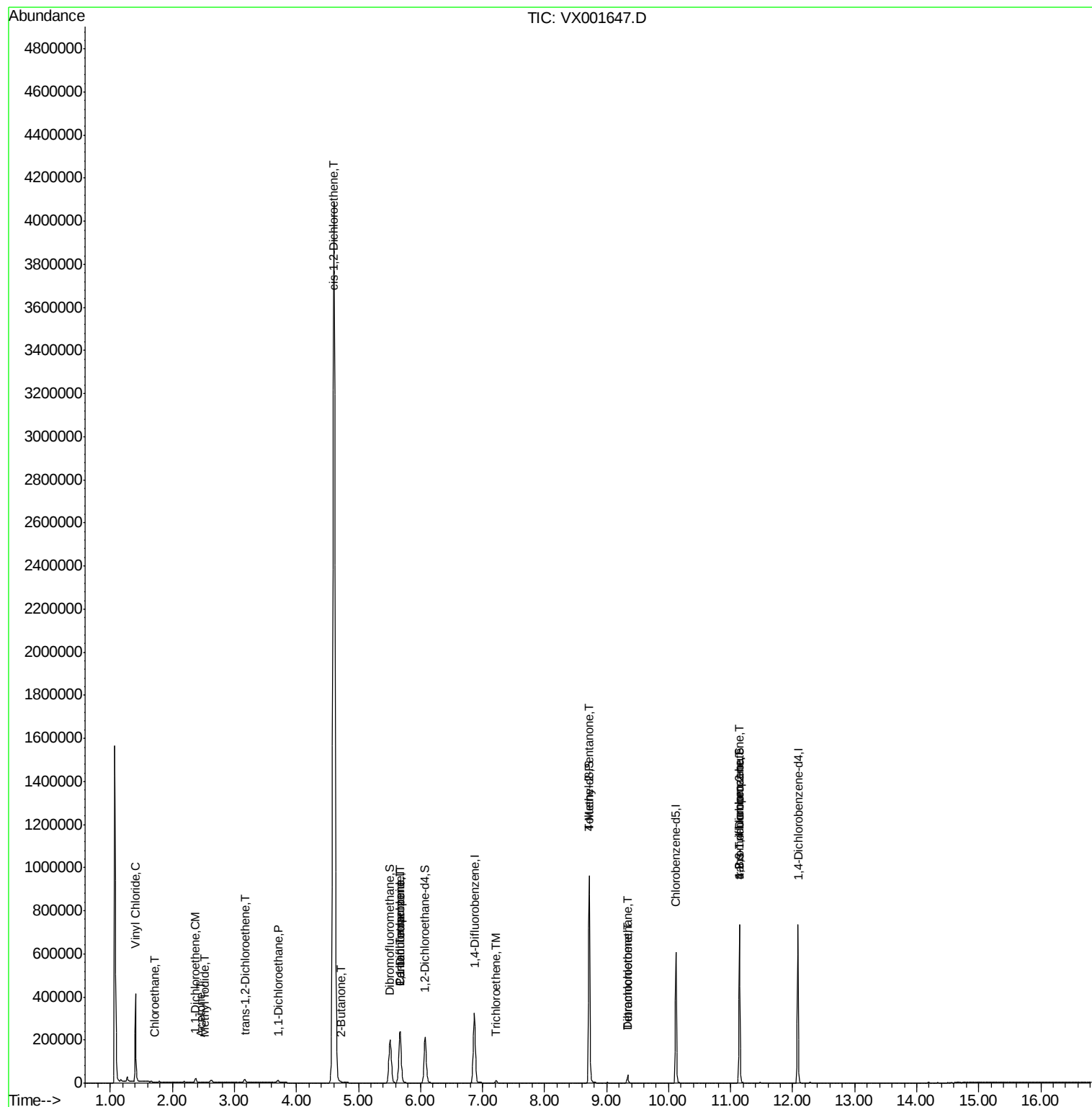
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	252369	73.01	ug/l	99
5) Bromomethane	1.65	94	1086	Below	Cal	95
6) Chloroethane	1.70	64	650	0.28	ug/l #	43
10) Methyl Iodide	2.52	142	922	0.21	ug/l #	91
12) 1,1-Dichloroethene	2.37	96	5680	2.03	ug/l	95
13) Acrolein	2.31	56	60	Below	Cal #	16
16) Acetone	2.45	43	933	0.57	ug/l #	62
21) trans-1,2-Dichloroethene	3.17	96	5824	1.87	ug/l	99
24) 1,1-Dichloroethane	3.70	63	9002	1.65	ug/l	99
25) 2-Butanone	4.73	43	488	0.20	ug/l #	49
27) cis-1,2-Dichloroethene	4.60	96	2607942	784.94	ug/l	85
36) 1,1-Dichloropropene	5.67	75	15468	3.60	ug/l #	49
38) Carbon Tetrachloride	5.67	117	21081	4.60	ug/l #	17
44) Trichloroethene	7.22	130	4116	1.07	ug/l	99
51) 4-Methyl-2-Pentanone	8.72	43	2512	0.52	ug/l #	1
60) Dibromochloromethane	9.34	129	7078	2.09	ug/l #	11
64) Tetrachloroethene	9.34	164	8024	1.95	ug/l	96
76) 1,2,3-Trichloropropane	11.14	75	92637	29.02	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	92637	88.89	ug/l #	7

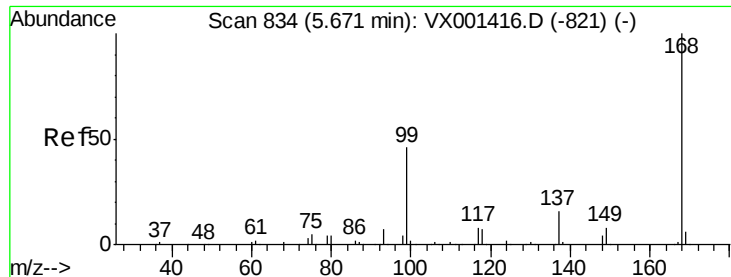
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX001647.D

Acq: 11 May 2018 18:48

Instrument :

MSVOA_X

ClientSampleId :

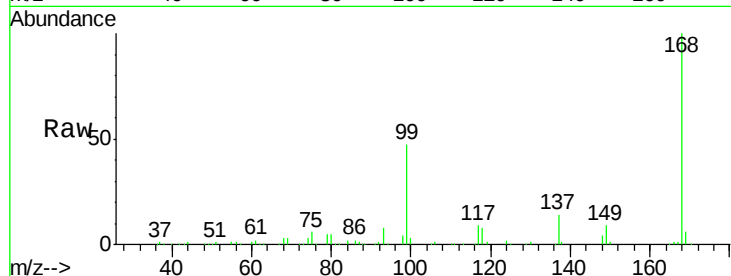
SS037MW301-180502

Tgt Ion:168 Resp: 252624

Ion Ratio Lower Upper

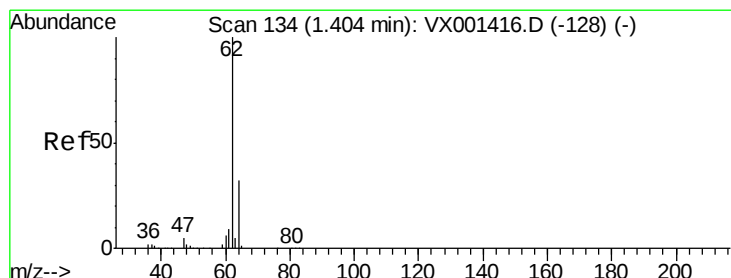
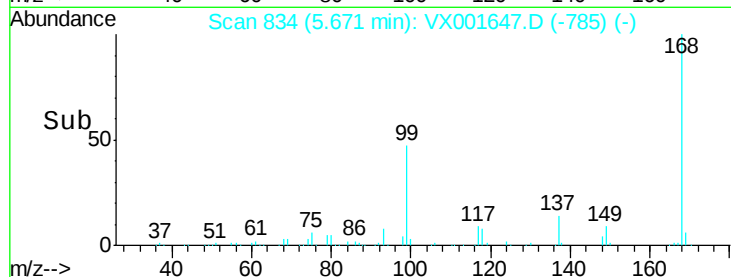
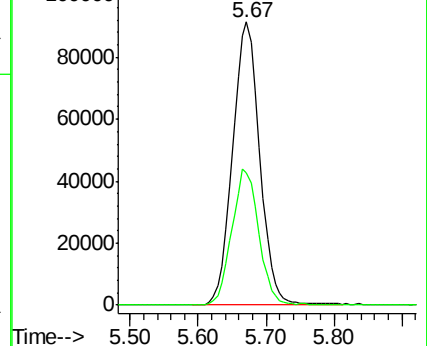
168 100

99 46.6 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 73.01 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001647.D

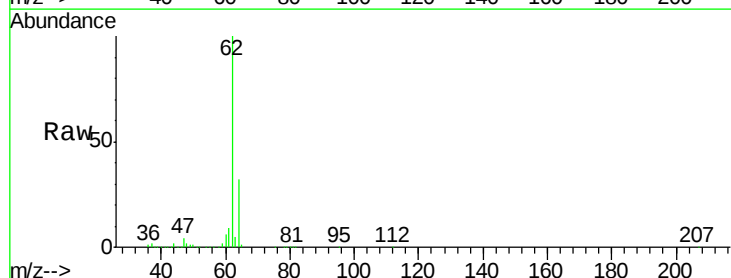
Acq: 11 May 2018 18:48

Tgt Ion: 62 Resp: 252369

Ion Ratio Lower Upper

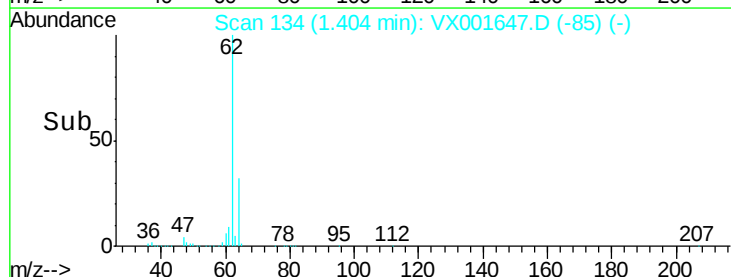
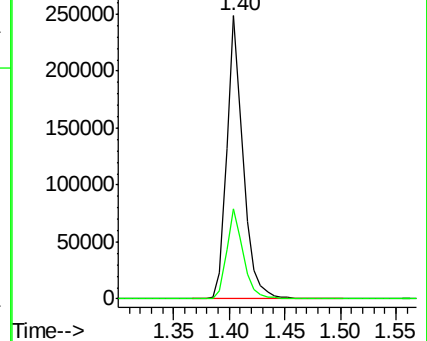
62 100

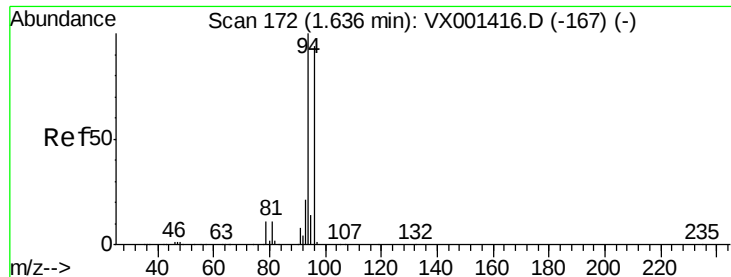
64 31.8 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001647.D

Acq: 11 May 2018 18:48

Instrument :

MSVOA_X

ClientSampleId :

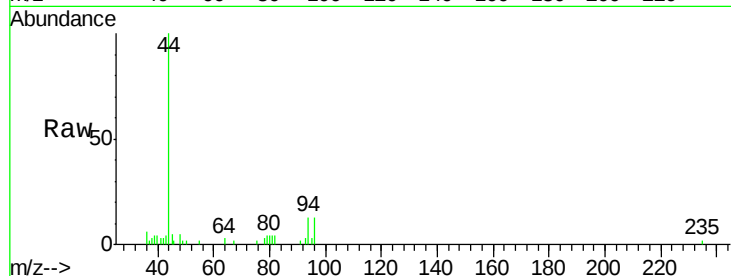
SS037MW301-180502

Tgt Ion: 94 Resp: 1086

Ion Ratio Lower Upper

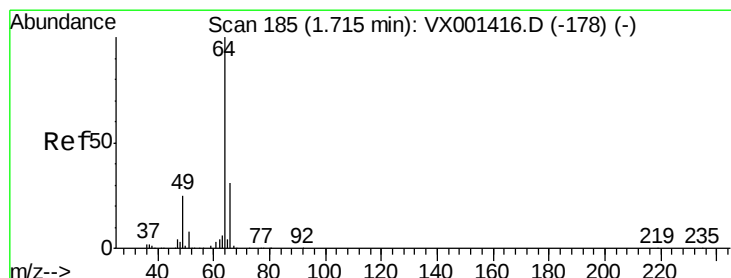
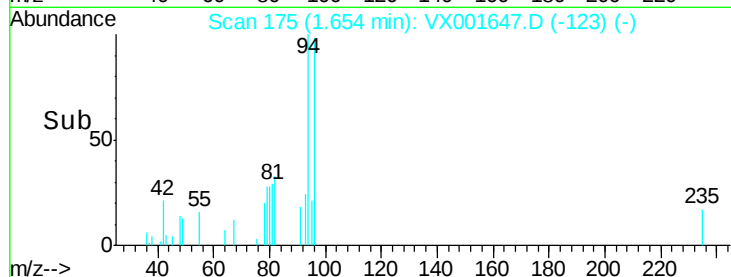
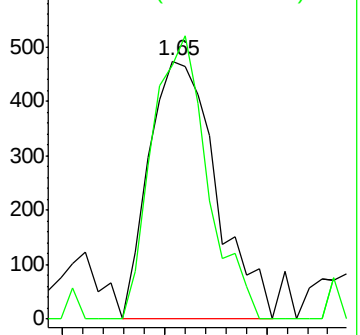
94 100

96 98.3 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.28 ug/l

RT: 1.70 min Scan# 183

Delta R.T. -0.01 min

Lab File: VX001647.D

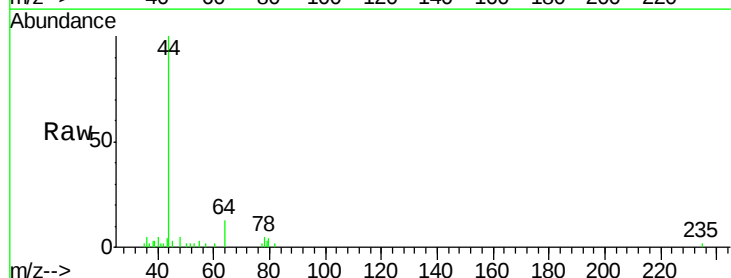
Acq: 11 May 2018 18:48

Tgt Ion: 64 Resp: 650

Ion Ratio Lower Upper

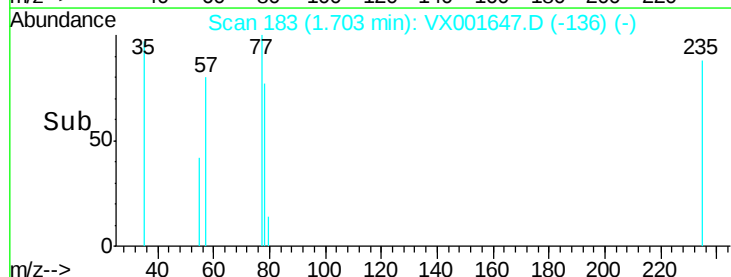
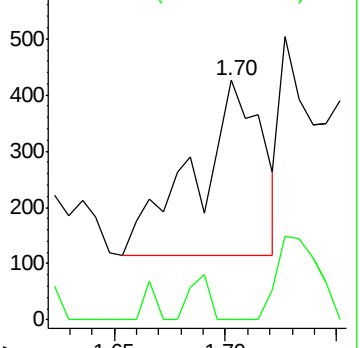
64 100

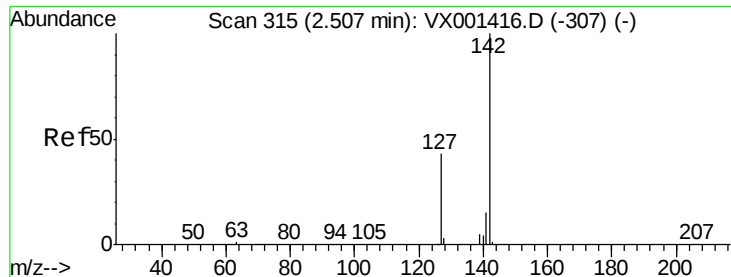
66 0.0 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

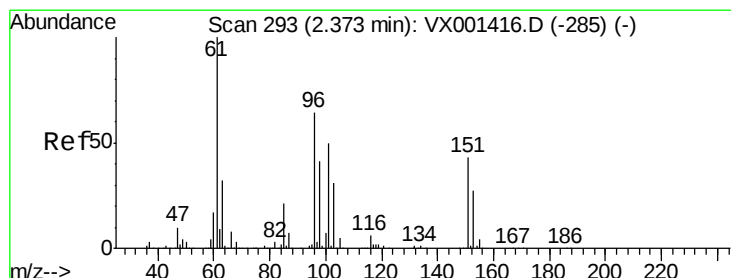
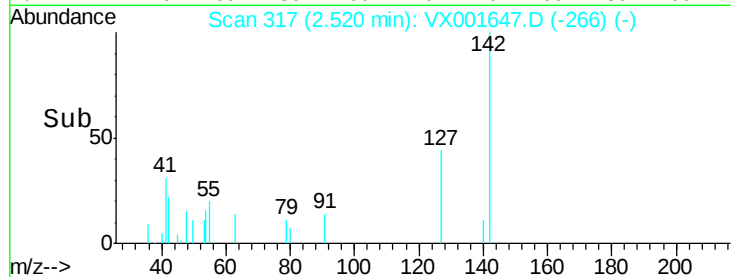
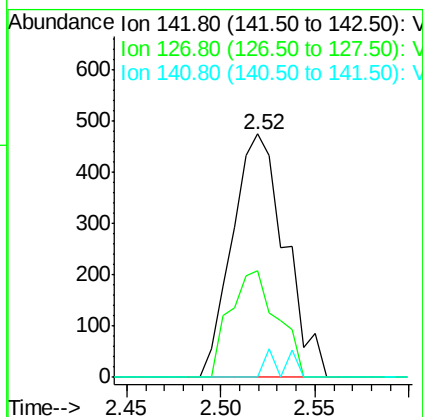
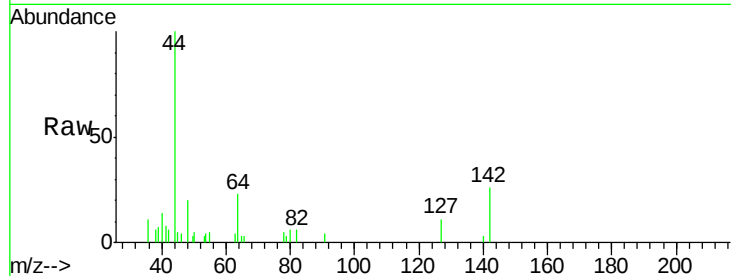




#10
Methyl Iodide
Concen: 0.21 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001647.D
Acq: 11 May 2018 18:48

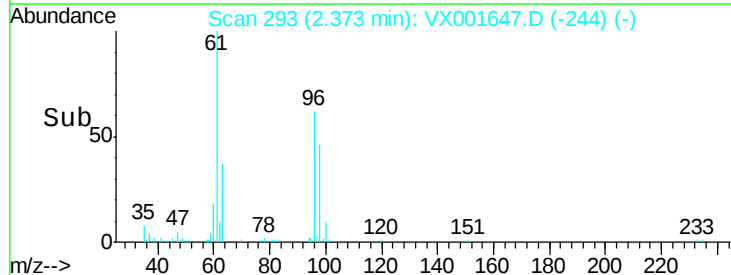
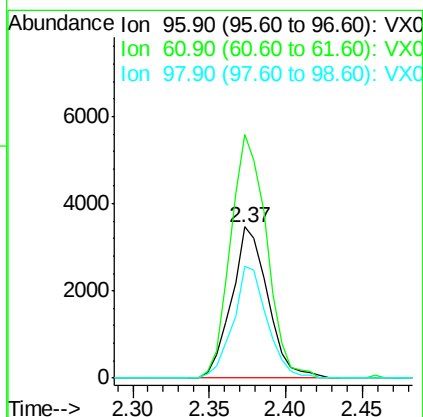
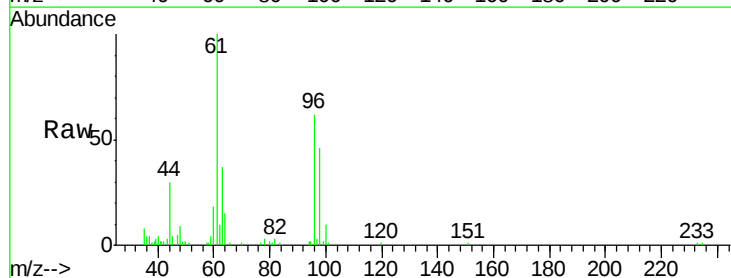
Instrument :
MSVOA_X
ClientSampleId :
SS037MW301-180502

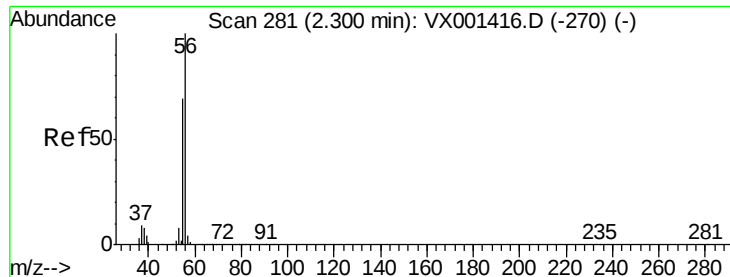
Tgt Ion: 142 Resp: 922
Ion Ratio Lower Upper
142 100
127 39.6 33.6 50.4
141 4.3 11.4 17.2#



#12
1,1-Dichloroethene
Concen: 2.03 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX001647.D
Acq: 11 May 2018 18:48

Tgt Ion: 96 Resp: 5680
Ion Ratio Lower Upper
96 100
61 160.9 125.7 188.5
98 73.7 52.0 78.0





#13

Acrolein

Concen: Below Cal

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX001647.D

Acq: 11 May 2018 18:48

Instrument :

MSVOA_X

ClientSampleId :

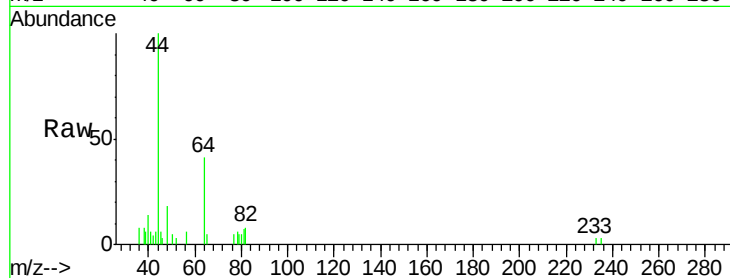
SS037MW301-180502

Tgt Ion: 56 Resp: 60

Ion Ratio Lower Upper

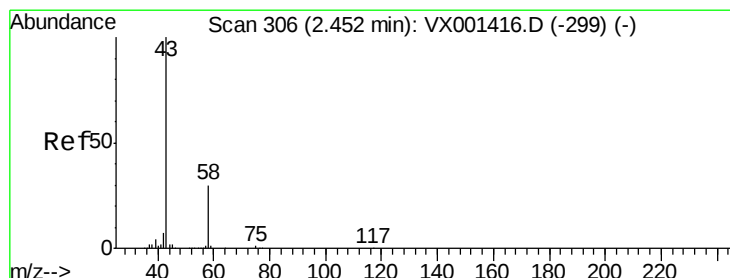
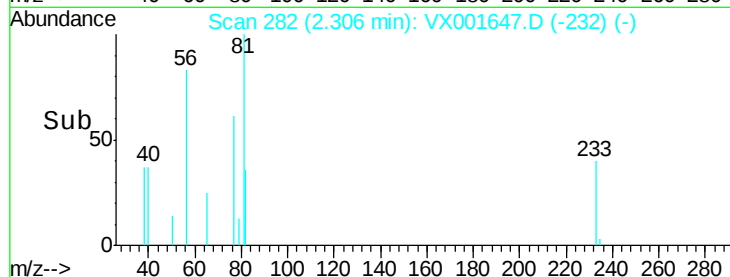
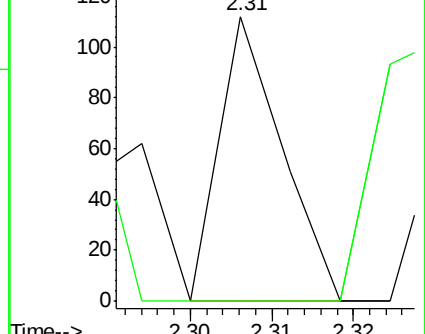
56 100

55 0.0 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: 0.57 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001647.D

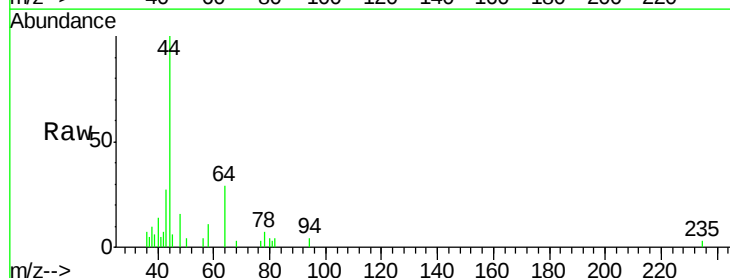
Acq: 11 May 2018 18:48

Tgt Ion: 43 Resp: 933

Ion Ratio Lower Upper

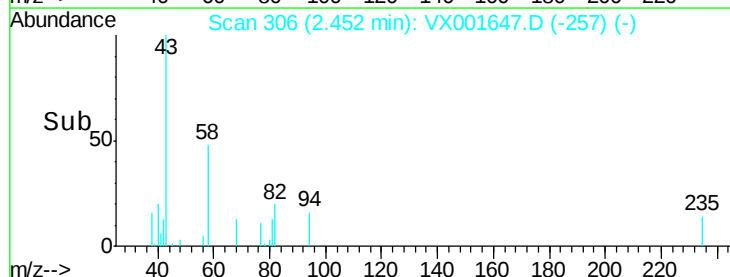
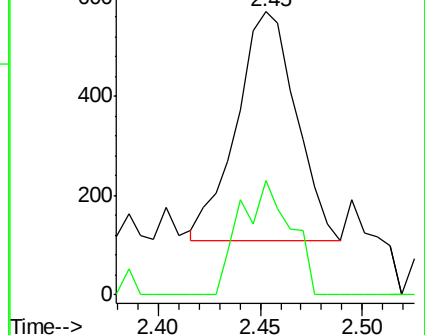
43 100

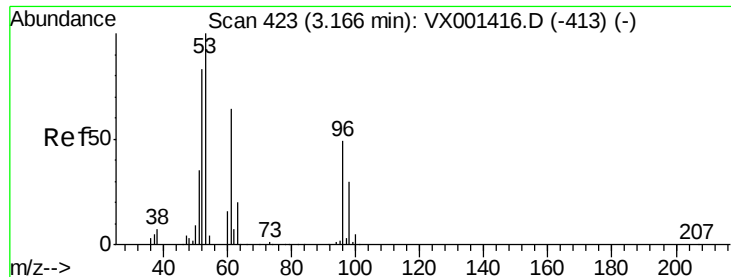
58 50.2 23.8 35.8#



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: 1.87 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX001647.D

Acq: 11 May 2018 18:48

Instrument :

MSVOA_X

ClientSampleId :

SS037MW301-180502

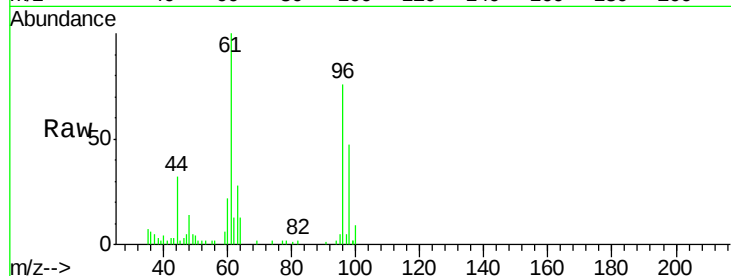
Tgt Ion: 96 Resp: 5824

Ion Ratio Lower Upper

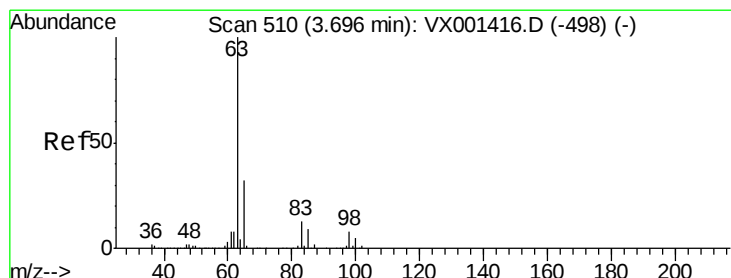
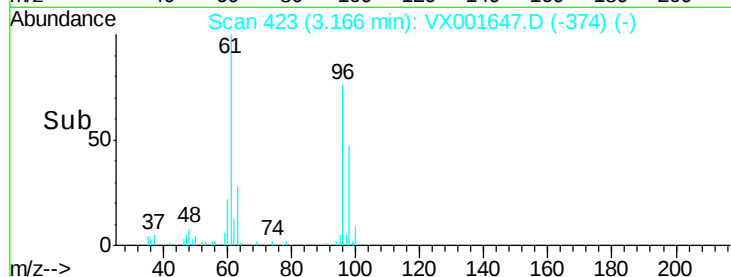
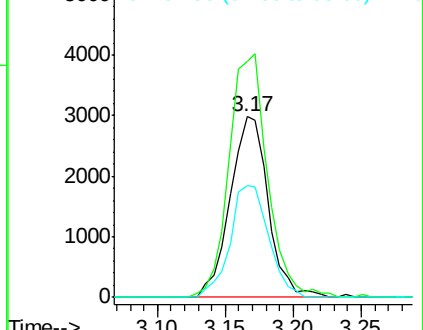
96 100

61 130.8 105.0 157.4

98 61.5 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



#24

1,1-Dichloroethane

Concen: 1.65 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX001647.D

Acq: 11 May 2018 18:48

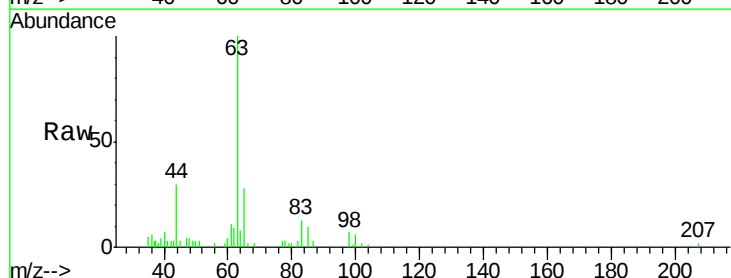
Tgt Ion: 63 Resp: 9002

Ion Ratio Lower Upper

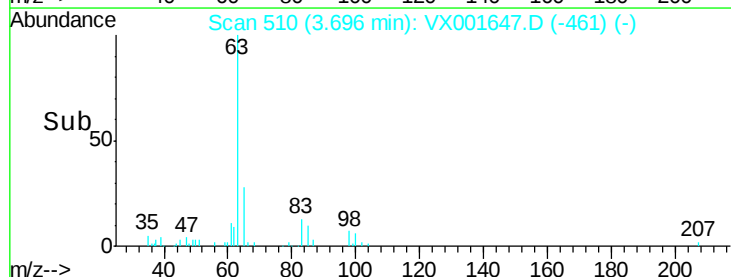
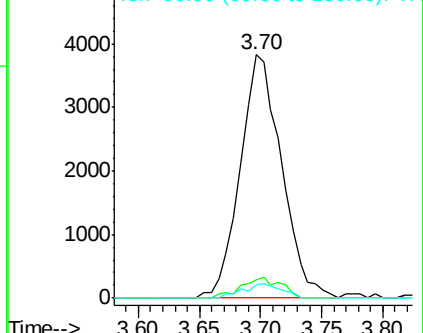
63 100

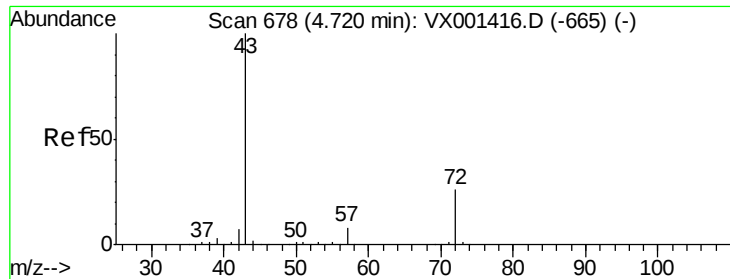
98 7.4 3.8 11.4

100 5.6 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 0.20 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001647.D

Acq: 11 May 2018 18:48

Instrument :

MSVOA_X

ClientSampleId :

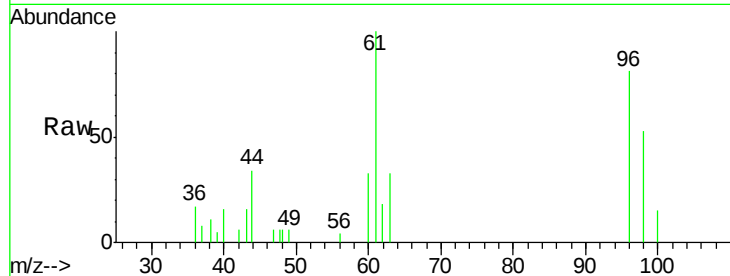
SS037MW301-180502

Tgt Ion: 43 Resp: 488

Ion Ratio Lower Upper

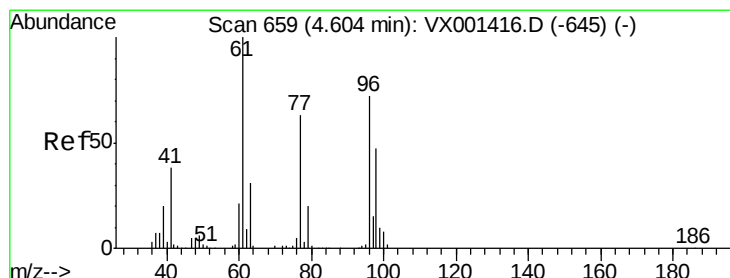
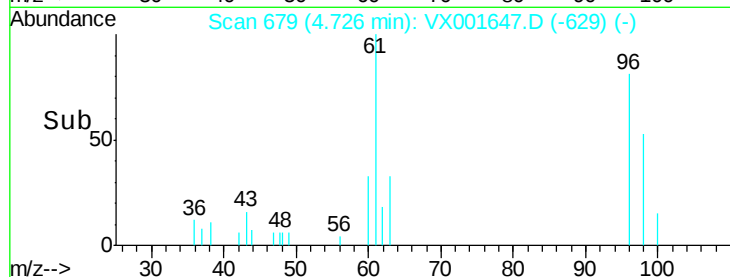
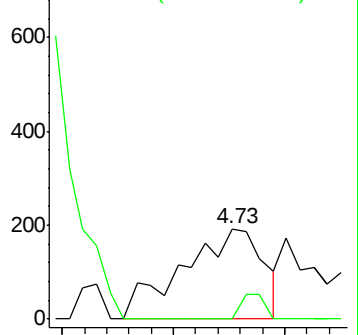
43 100

72 0.0 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: 784.94 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001647.D

Acq: 11 May 2018 18:48

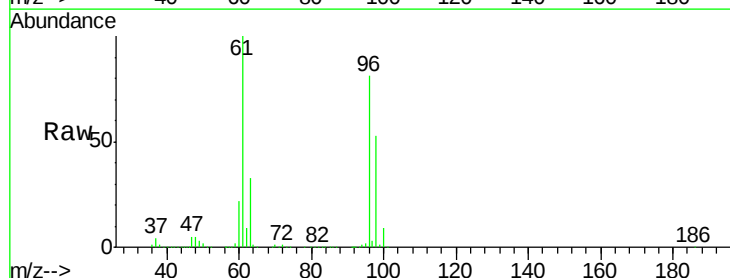
Tgt Ion: 96 Resp: 2607942

Ion Ratio Lower Upper

96 100

61 124.6 0.0 301.6

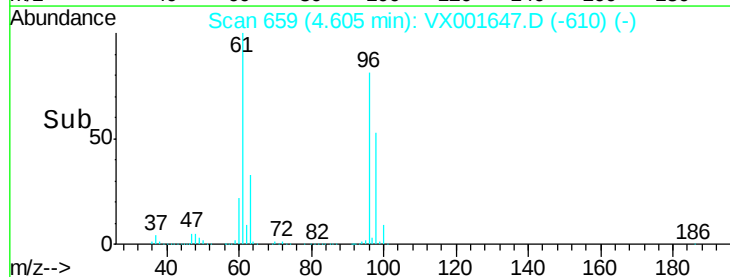
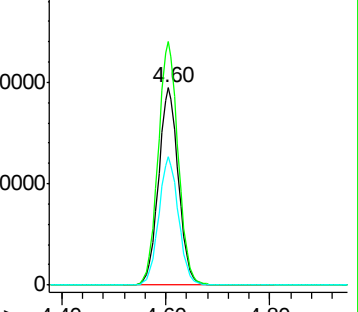
98 64.9 0.0 131.6

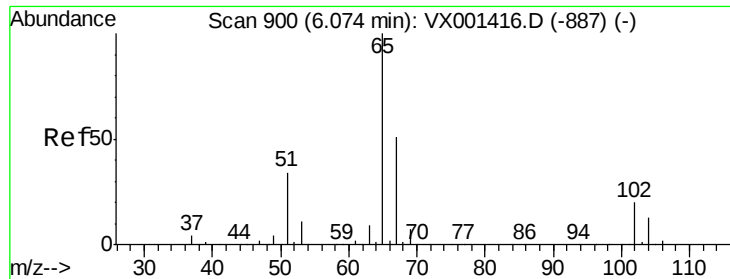


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

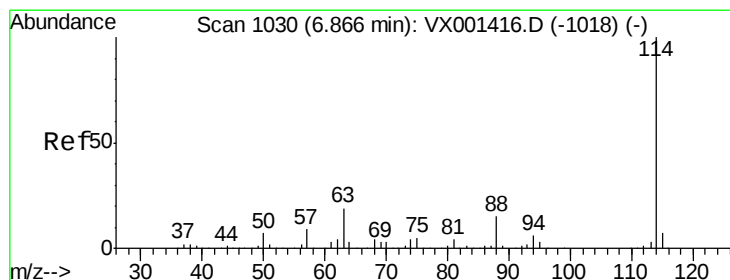
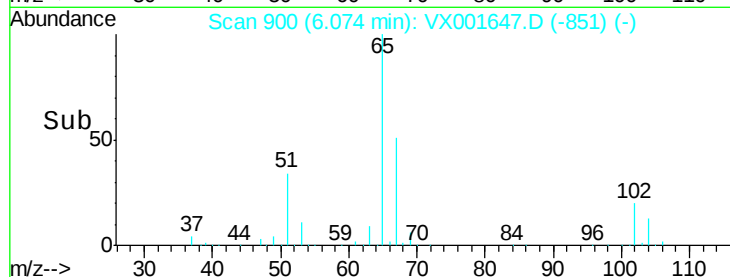
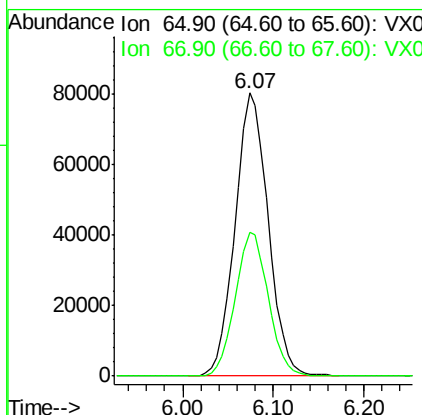
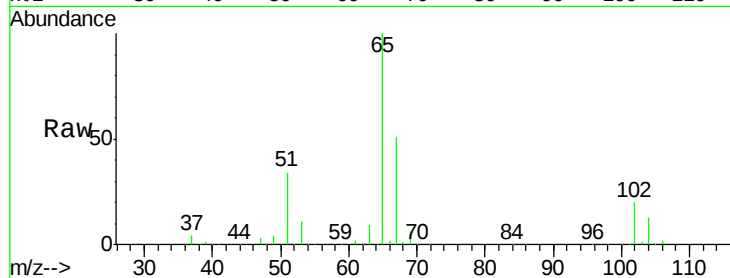




#33
 1,2-Dichloroethane-d4
 Concen: 55.93 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001647.D
 Acq: 11 May 2018 18:48

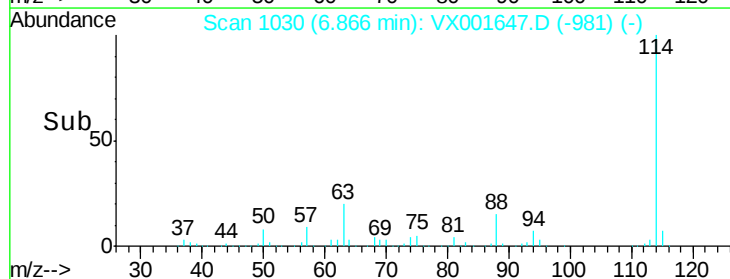
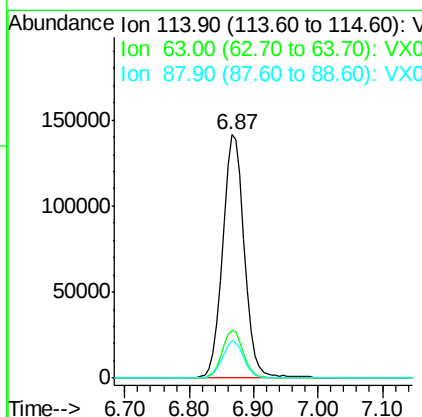
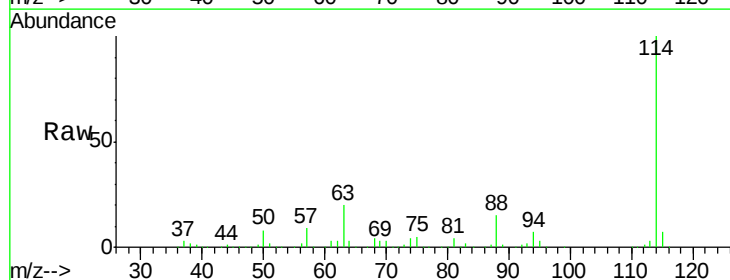
Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW301-180502

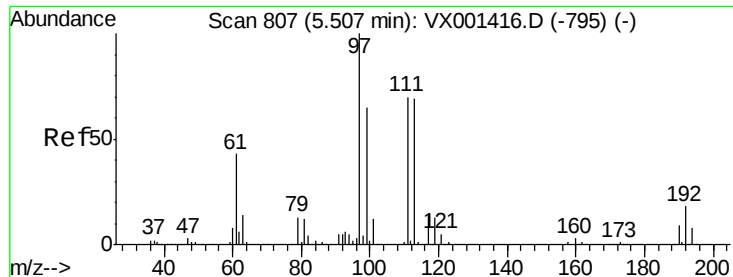
Tgt Ion: 65 Resp: 203066
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001647.D
 Acq: 11 May 2018 18:48

Tgt Ion: 114 Resp: 337455
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 38.6
 88 15.5 0.0 30.8





#35

Dibromofluoromethane

Concen: 54.31 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX001647.D

Acq: 11 May 2018 18:48

Instrument :

MSVOA_X

ClientSampleId :

SS037MW301-180502

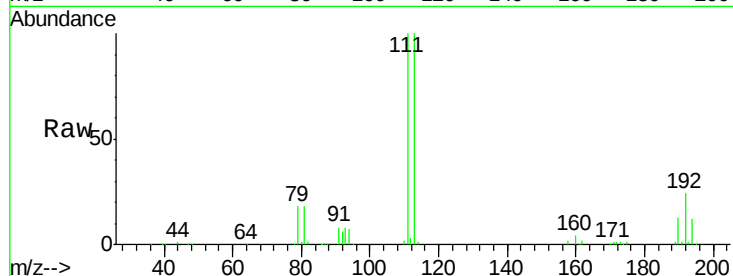
Tgt Ion:113 Resp: 163022

Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.2

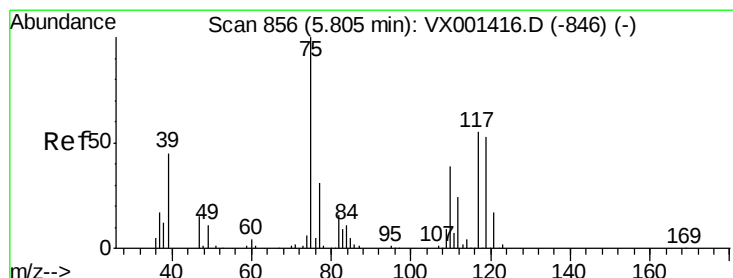
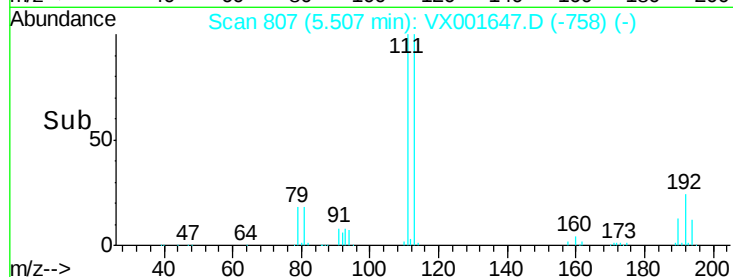
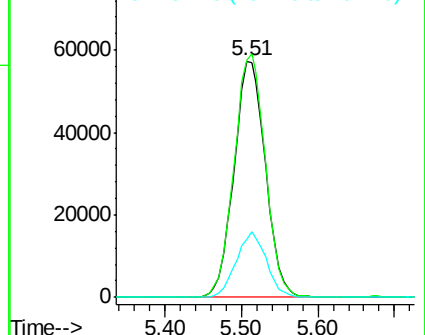
192 26.5 21.4 32.0



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: VX001647.D

Acq: 11 May 2018 18:48

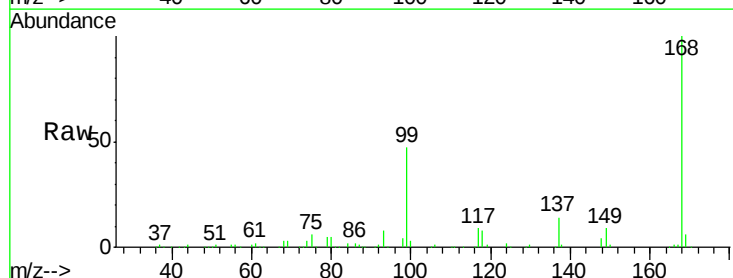
Tgt Ion: 75 Resp: 15468

Ion Ratio Lower Upper

75 100

110 10.3 18.9 56.7#

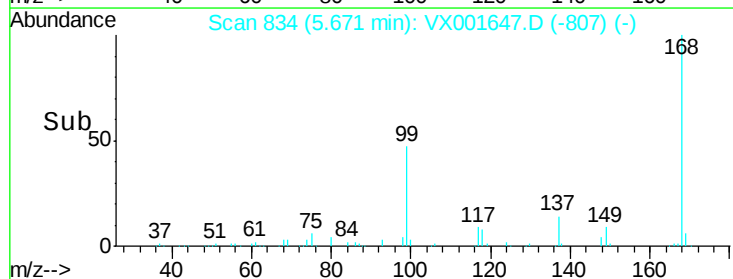
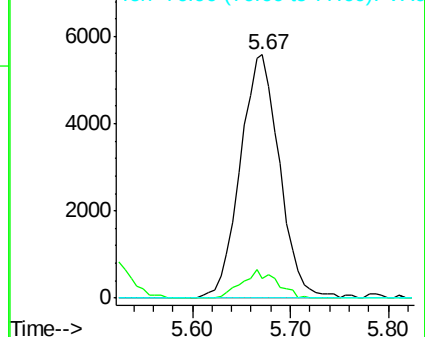
77 0.0 24.9 37.3#

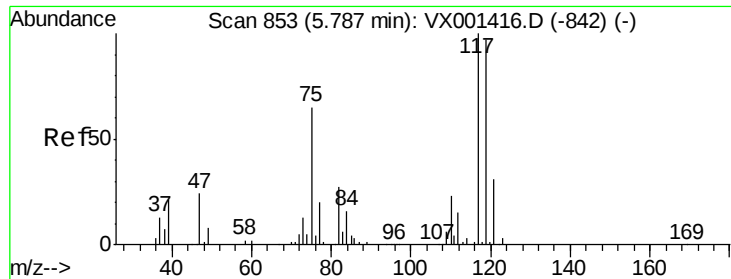


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 4.60 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001647.D

Acq: 11 May 2018 18:48

Instrument :

MSVOA_X

ClientSampleId :

SS037MW301-180502

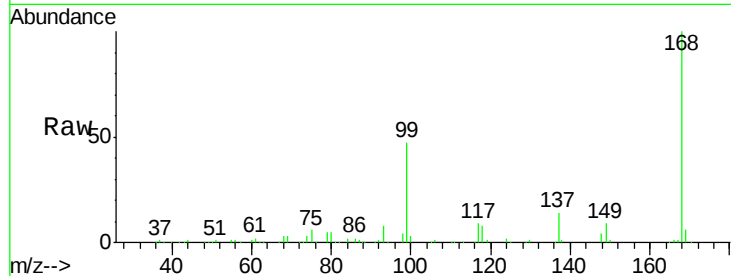
Tgt Ion:117 Resp: 21081

Ion Ratio Lower Upper

117 100

119 6.6 77.0 115.6#

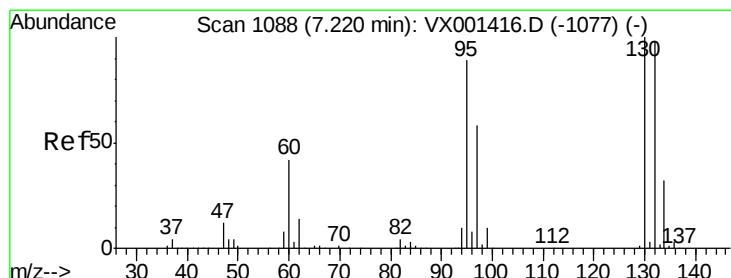
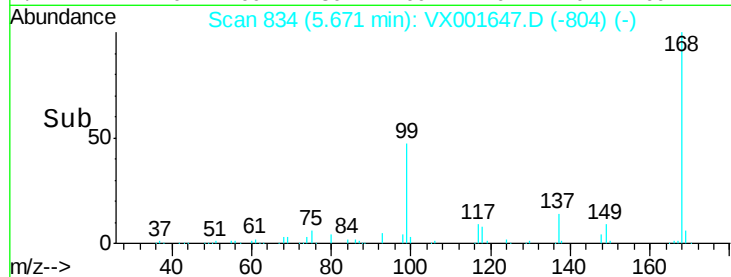
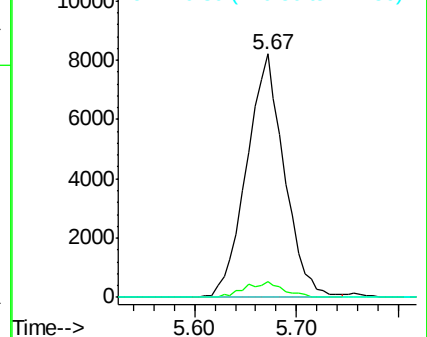
121 0.0 25.1 37.7#



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: 1.07 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001647.D

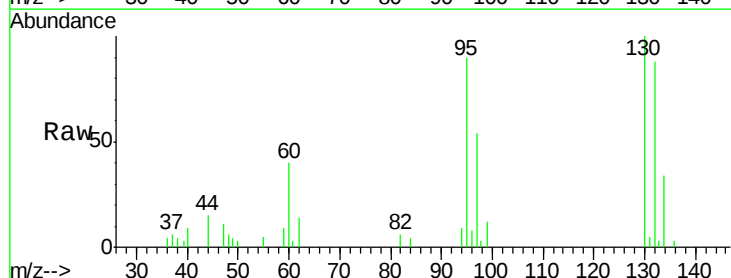
Acq: 11 May 2018 18:48

Tgt Ion:130 Resp: 4116

Ion Ratio Lower Upper

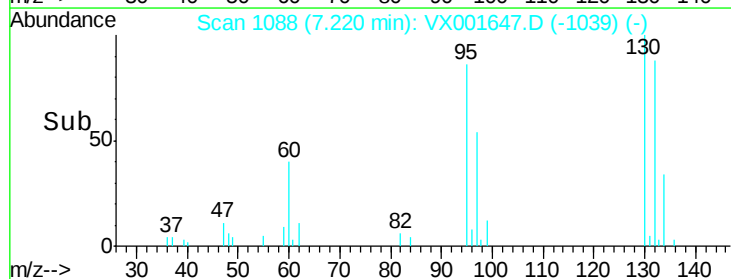
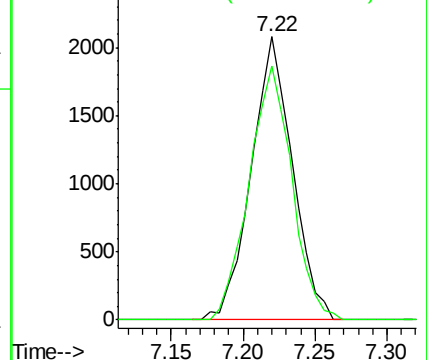
130 100

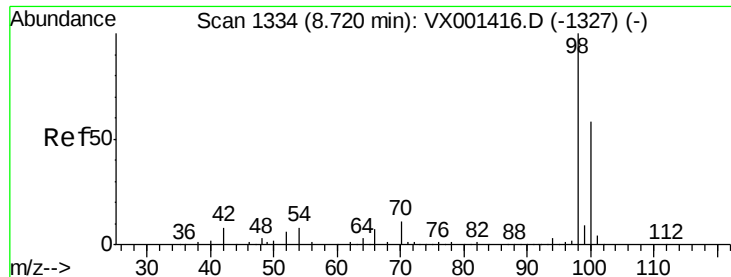
95 89.7 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 51.69 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001647.D

Acq: 11 May 2018 18:48

Instrument :

MSVOA_X

ClientSampleId :

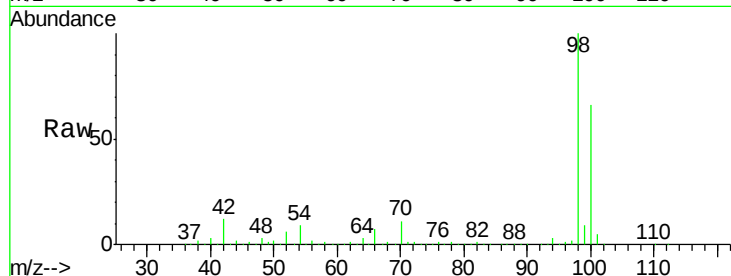
SS037MW301-180502

Tgt Ion: 98 Resp: 566328

Ion Ratio Lower Upper

98 100

100 65.6 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.72

400000

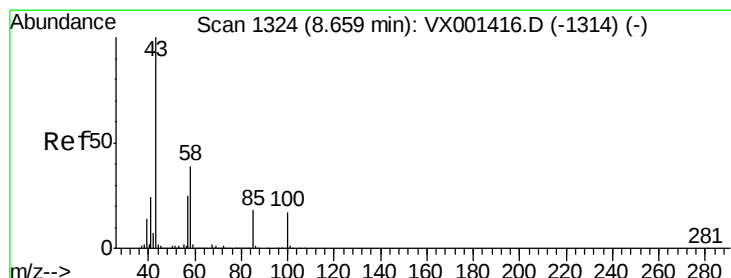
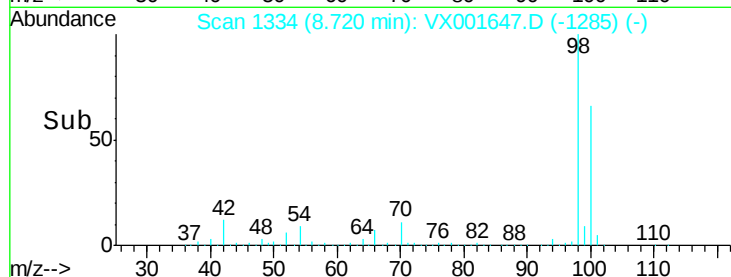
300000

200000

100000

0

Time--> 8.60 8.70 8.80 8.90



#51

4-Methyl-2-Pentanone

Concen: 0.52 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.06 min

Lab File: VX001647.D

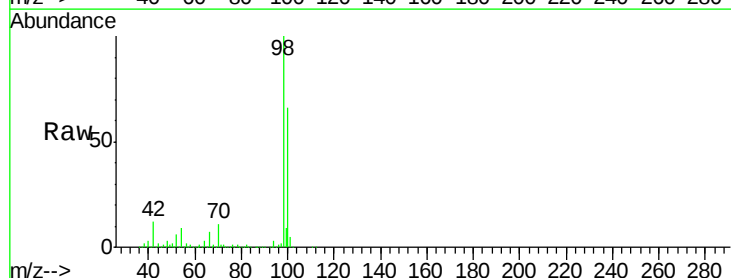
Acq: 11 May 2018 18:48

Tgt Ion: 43 Resp: 2512

Ion Ratio Lower Upper

43 100

58 189.9 30.8 46.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.72

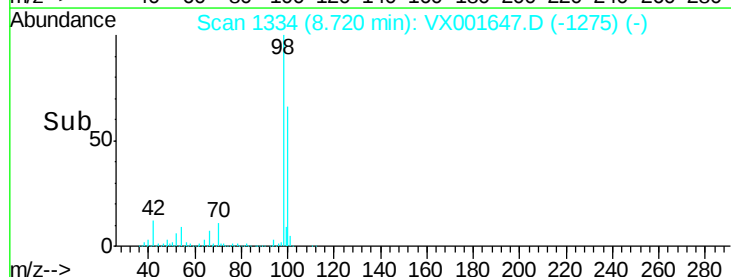
3000

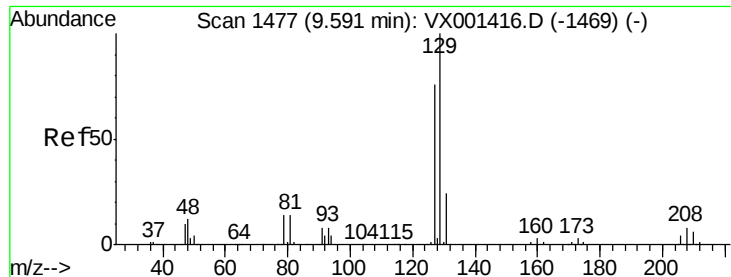
2000

1000

0

Time--> 8.65 8.70 8.75

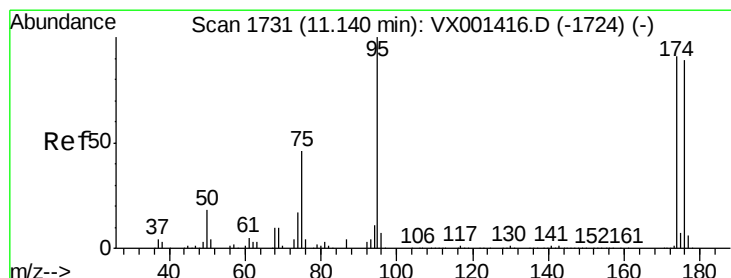
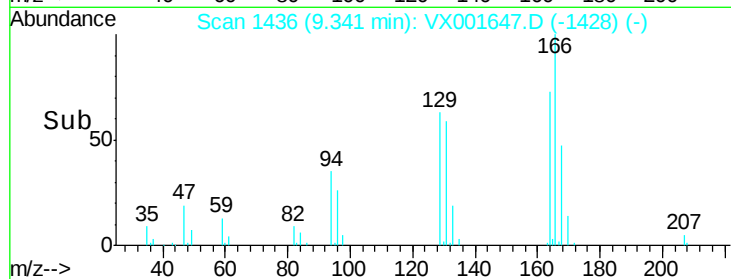
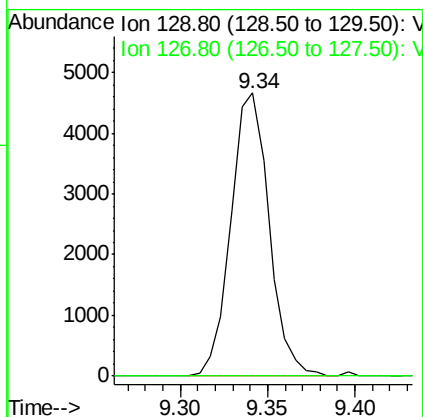
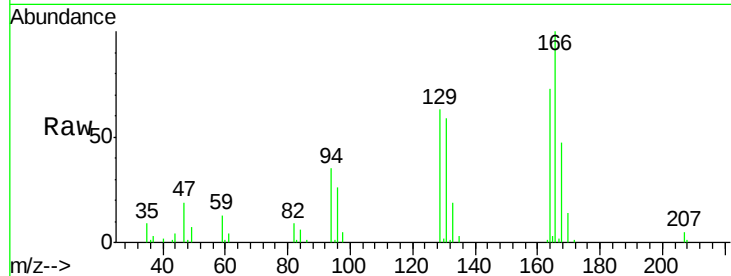




#60
 Dibromochloromethane
 Concen: 2.09 ug/l
 RT: 9.34 min Scan# 1436
 Delta R.T. -0.25 min
 Lab File: VX001647.D
 Acq: 11 May 2018 18:48

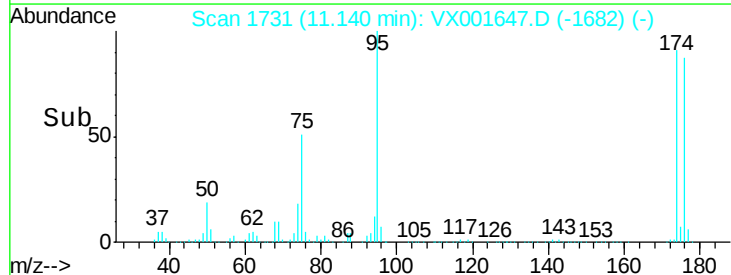
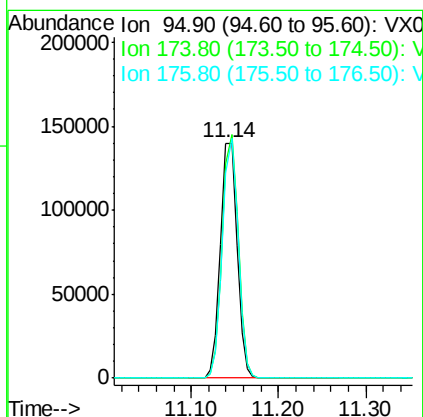
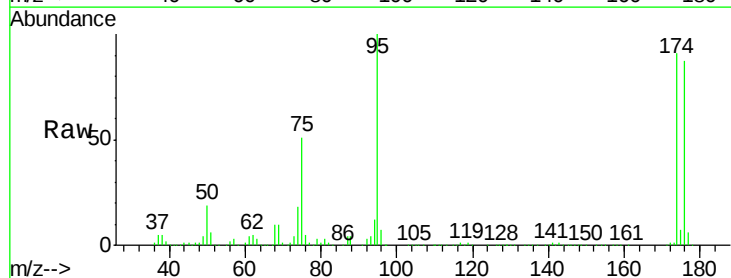
Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW301-180502

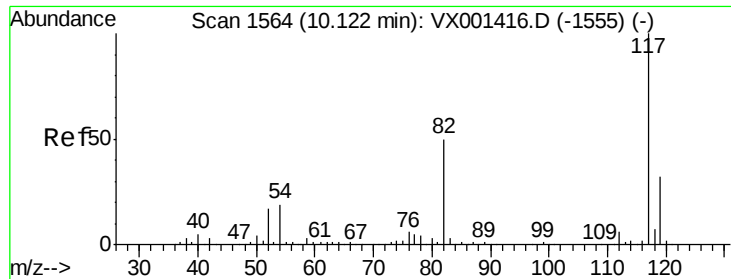
Tgt Ion: 129 Resp: 7078
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.1 114.5#



#62
 4-Bromofluorobenzene
 Concen: 43.96 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX001647.D
 Acq: 11 May 2018 18:48

Tgt Ion: 95 Resp: 184891
 Ion Ratio Lower Upper
 95 100
 174 99.6 0.0 202.0
 176 96.9 0.0 197.4

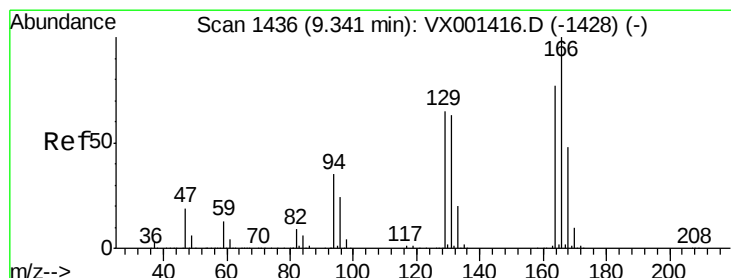
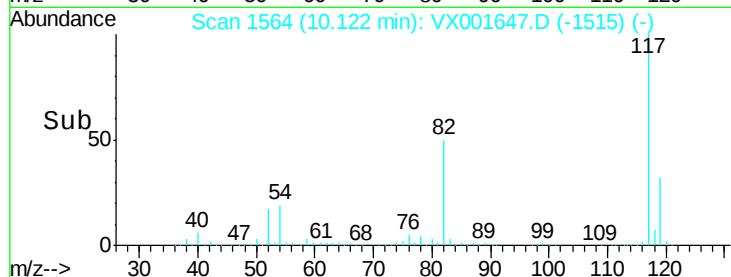
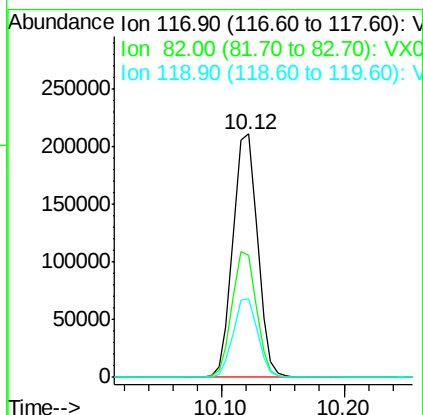
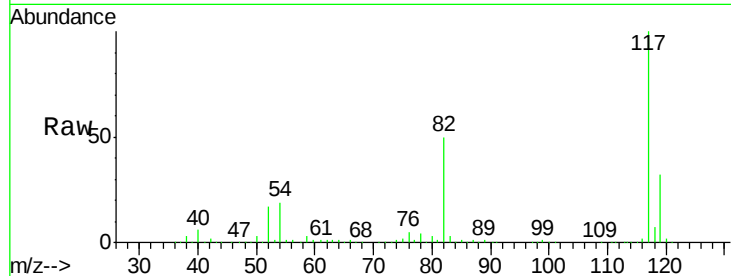




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001647.D
Acq: 11 May 2018 18:48

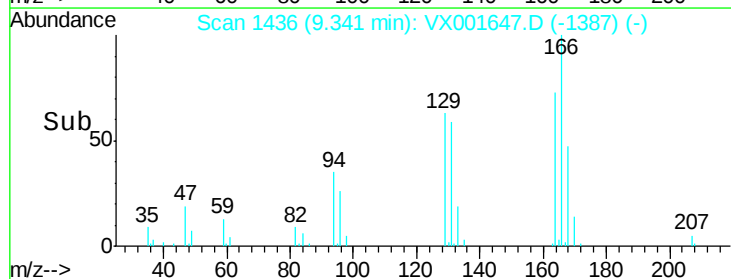
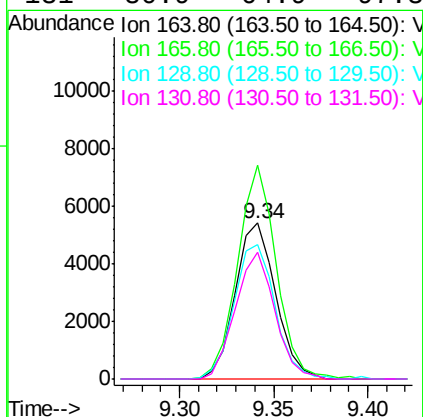
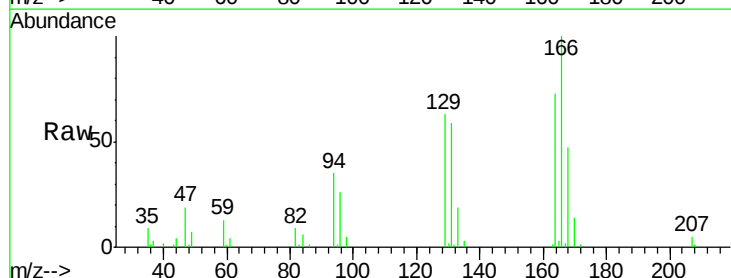
Instrument :
MSVOA_X
ClientSampleId :
SS037MW301-180502

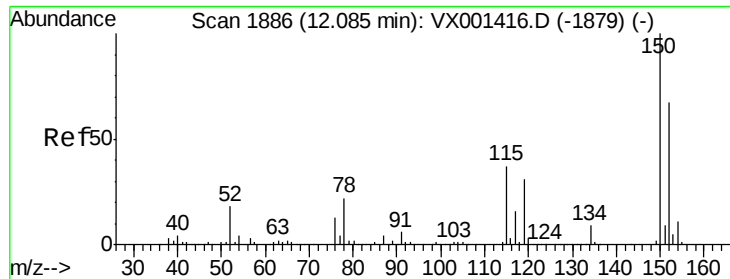
Tgt Ion:117 Resp: 294475
Ion Ratio Lower Upper
117 100
82 50.3 40.0 60.0
119 32.2 25.8 38.8



#64
Tetrachloroethene
Concen: 1.95 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001647.D
Acq: 11 May 2018 18:48

Tgt Ion:164 Resp: 8024
Ion Ratio Lower Upper
164 100
166 136.8 103.5 155.3
129 86.1 66.7 100.1
131 80.9 64.9 97.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001647.D

Acq: 11 May 2018 18:48

Instrument :

MSVOA_X

ClientSampleId :

SS037MW301-180502

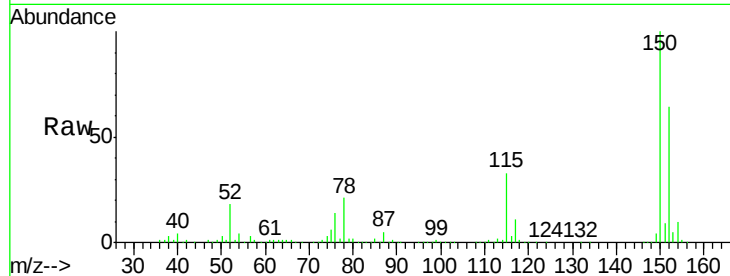
Tgt Ion: 152 Resp: 157377

Ion Ratio Lower Upper

152 100

115 52.4 37.7 113.1

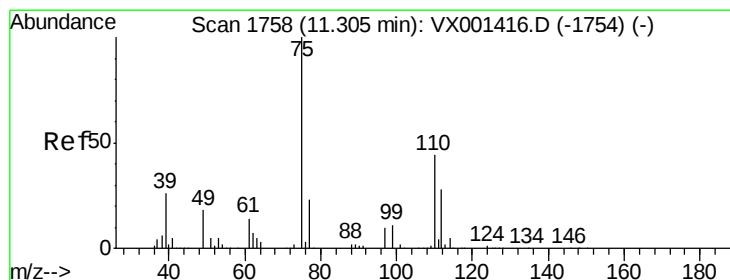
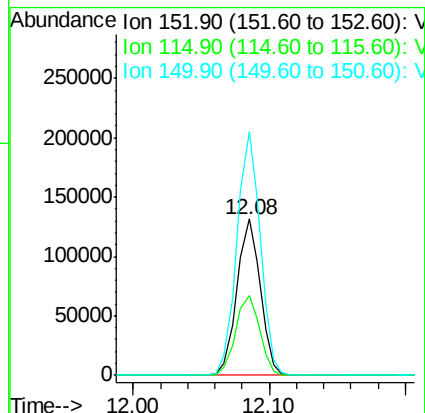
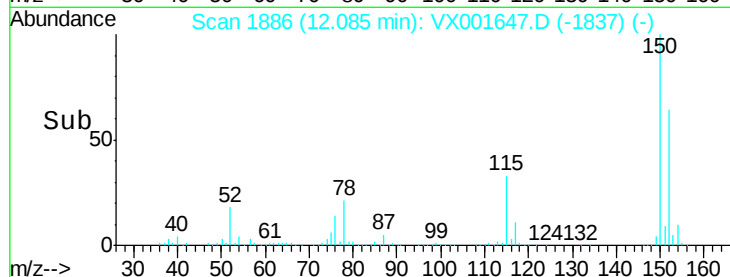
150 156.1 0.0 349.4



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: 29.02 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001647.D

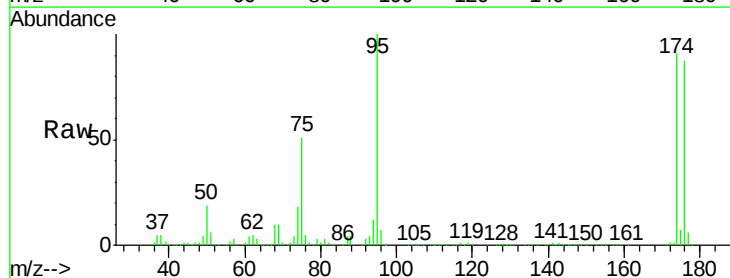
Acq: 11 May 2018 18:48

Tgt Ion: 75 Resp: 92637

Ion Ratio Lower Upper

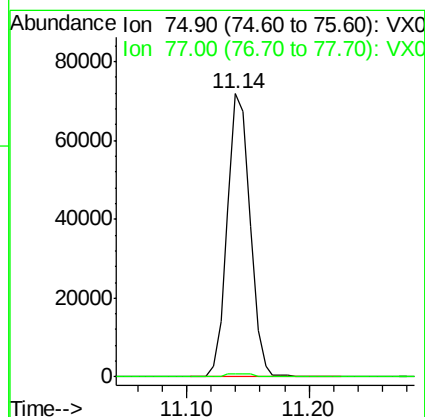
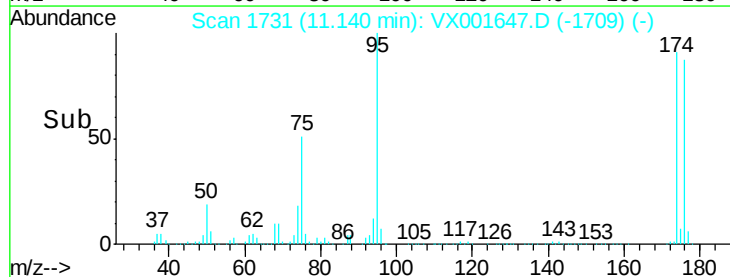
75 100

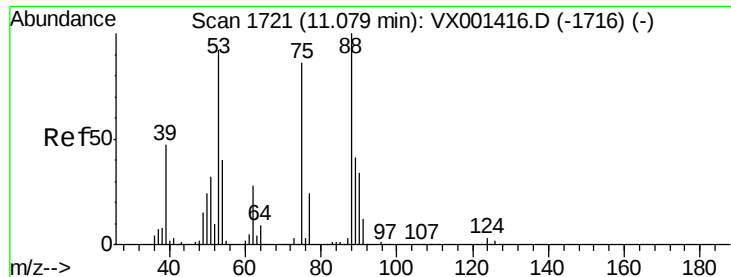
77 1.3 19.6 58.7#



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: 88.89 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001647.D

Acq: 11 May 2018 18:48

Instrument :

MSVOA_X

ClientSampleId :

SS037MW301-180502

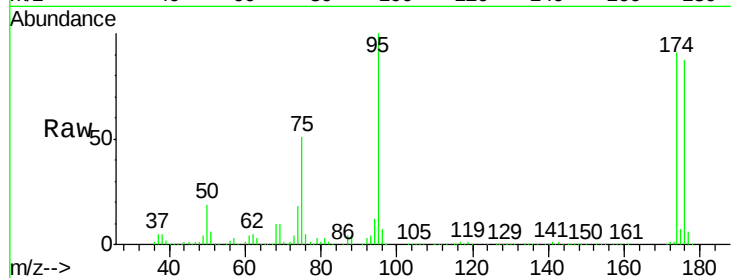
Tgt Ion: 75 Resp: 92637

Ion Ratio Lower Upper

75 100

53 0.2 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

