

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX051118\
 Data File : VX001640.D
 Acq On : 11 May 2018 15:40
 Operator : JC/MD
 Sample : J2741-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3TB04-180430

Quant Time: May 12 03:34:34 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	263678	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	356297	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	306036	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	165969	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	208734	55.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.16%	
35) Dibromofluoromethane	5.51	113	166270	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
50) Toluene-d8	8.72	98	589216	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	
62) 4-Bromofluorobenzene	11.14	95	192750	43.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.80%	

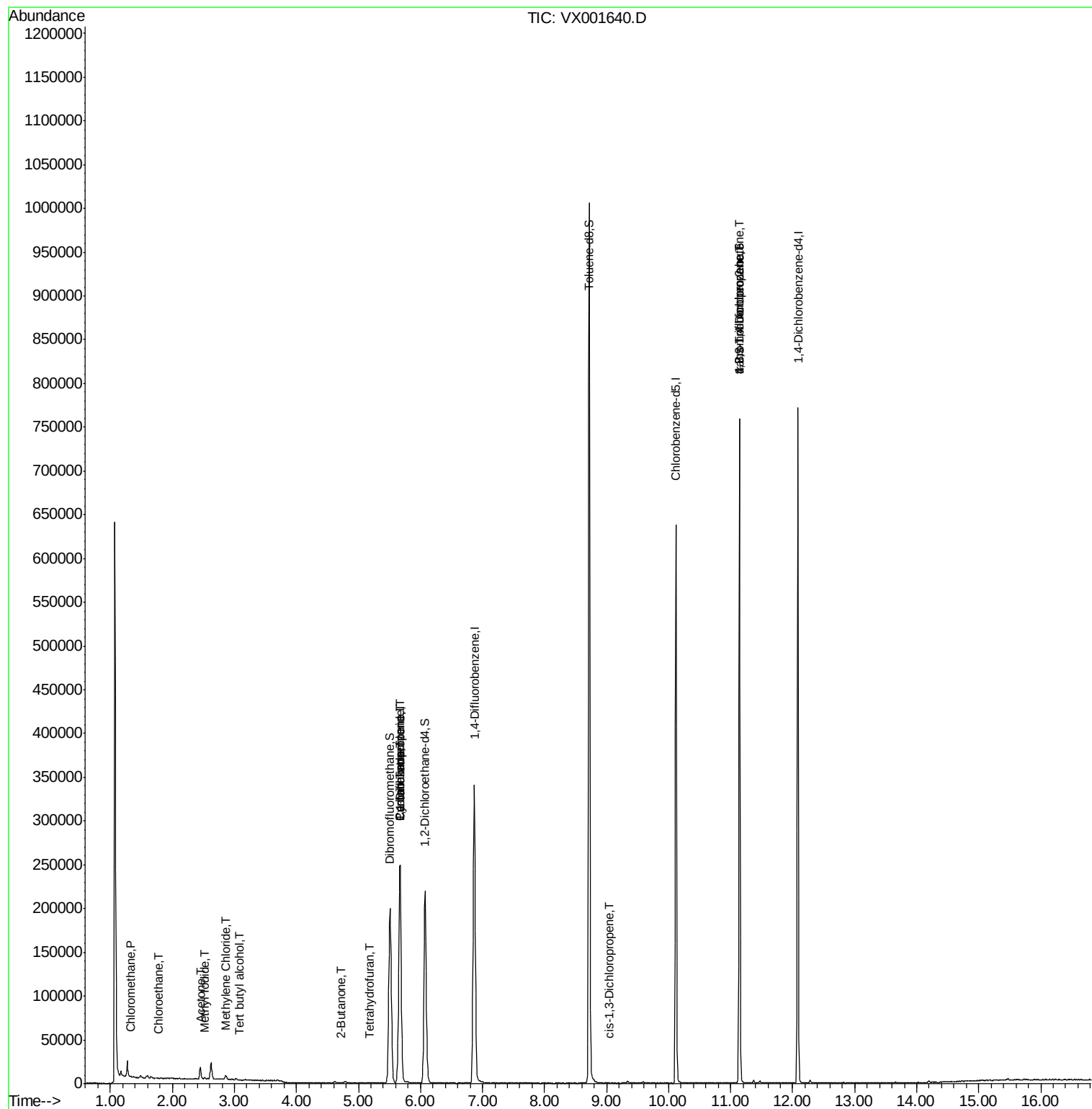
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	715	0.21	ug/l	# 82
5) Bromomethane	1.65	94	1496	Below	Cal	100
6) Chloroethane	1.78	64	2573	1.08	ug/l	# 61
10) Methyl Iodide	2.51	142	2018	0.44	ug/l	93
11) Tert butyl alcohol	3.08	59	215	0.27	ug/l	# 72
13) Acrolein	2.30	56	52	Below	Cal	# 1
16) Acetone	2.45	43	14710	8.55	ug/l	93
20) Methylene Chloride	2.86	84	2250	0.66	ug/l	# 94
25) 2-Butanone	4.72	43	773	0.31	ug/l	# 49
29) Tetrahydrofuran	5.18	42	483	0.30	ug/l	# 42
31) Cyclohexane	5.67	56	4391	0.90	ug/l	# 1
36) 1,1-Dichloropropene	5.67	75	16299	3.60	ug/l	# 48
38) Carbon Tetrachloride	5.67	117	23008	4.76	ug/l	# 15
54) cis-1,3-Dichloropropene	9.05	75	91	2.28	ug/l	# 56
76) 1,2,3-Trichloropropane	11.14	75	95028	28.23	ug/l	# 38
81) trans-1,4-Dichloro-2-buten	11.14	75	95028	86.58	ug/l	# 7

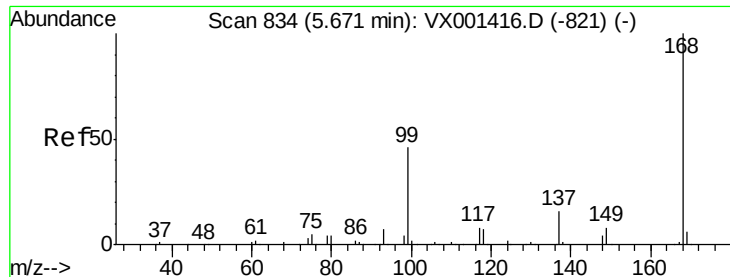
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX001640.D

Acq: 11 May 2018 15:40

Instrument :

MSVOA_X

ClientSampleId :

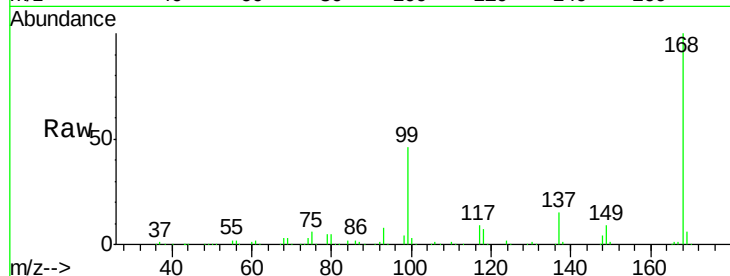
Z3TB04-180430

Tgt Ion:168 Resp: 263678

Ion Ratio Lower Upper

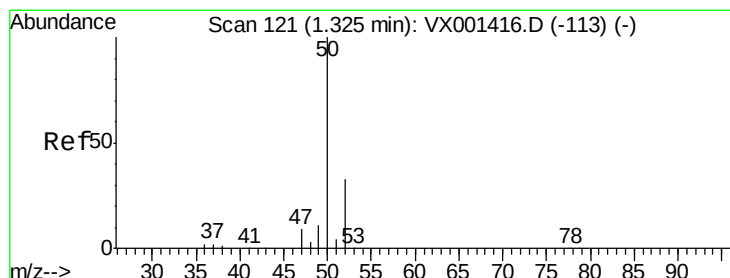
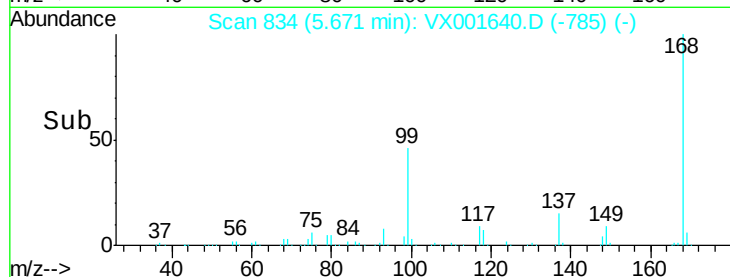
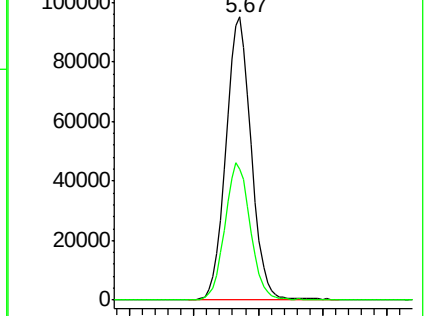
168 100

99 46.2 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.21 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001640.D

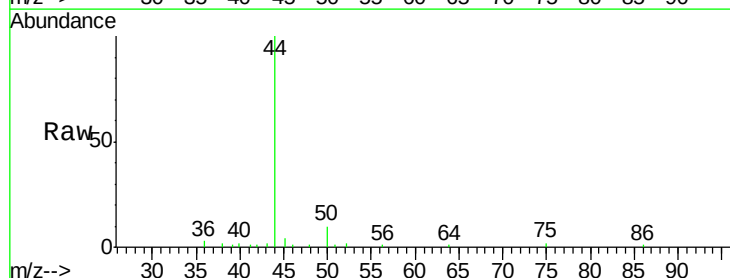
Acq: 11 May 2018 15:40

Tgt Ion: 50 Resp: 715

Ion Ratio Lower Upper

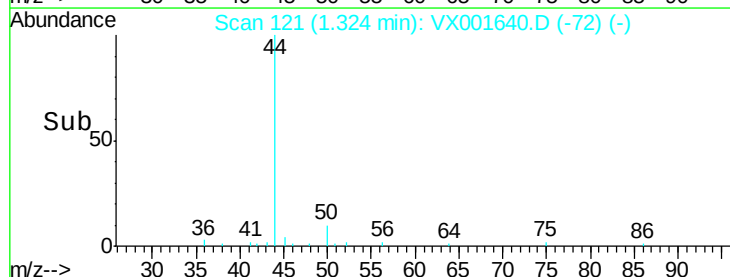
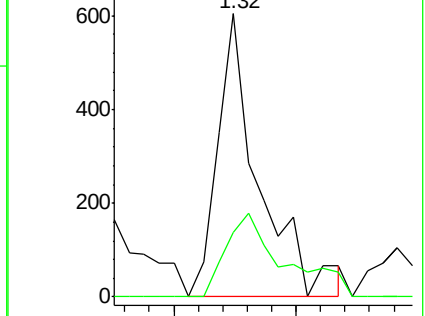
50 100

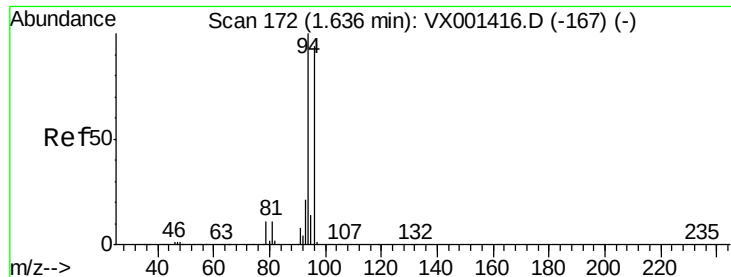
52 22.7 26.2 39.4#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001640.D

Acq: 11 May 2018 15:40

Instrument :

MSVOA_X

ClientSampleId :

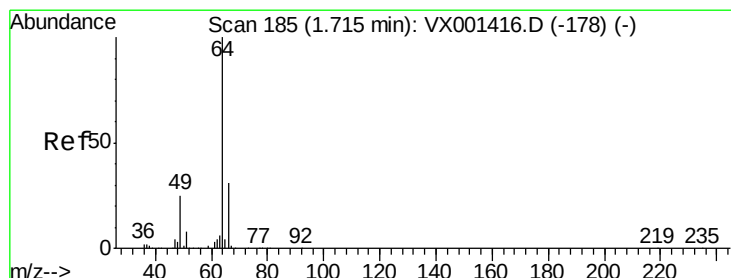
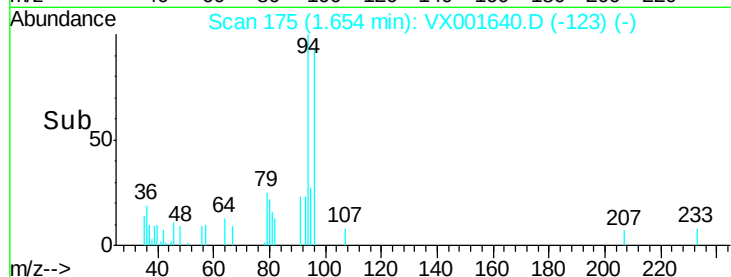
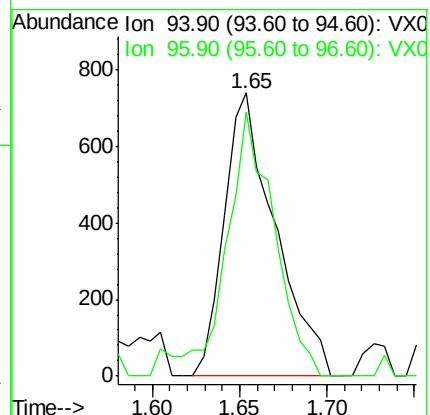
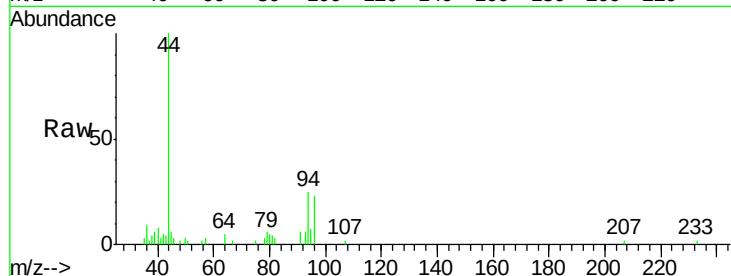
Z3TB04-180430

Tgt Ion: 94 Resp: 1496

Ion Ratio Lower Upper

94 100

96 93.5 75.0 112.6



#6

Chloroethane

Concen: 1.08 ug/l

RT: 1.78 min Scan# 195

Delta R.T. 0.06 min

Lab File: VX001640.D

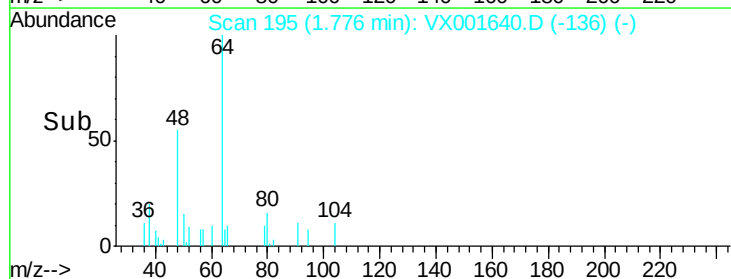
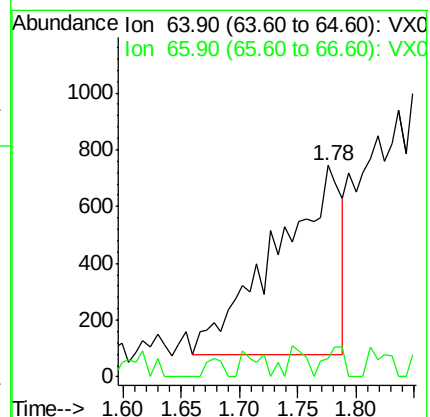
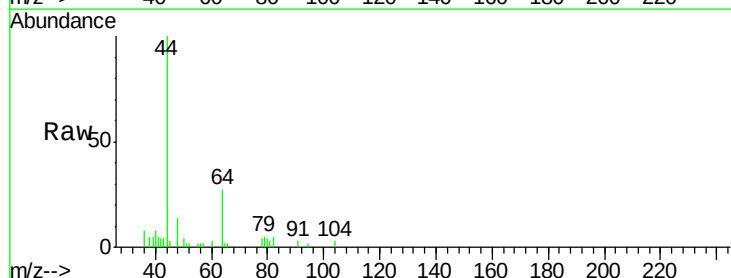
Acq: 11 May 2018 15:40

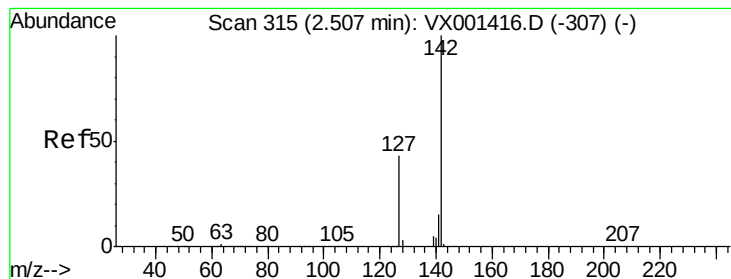
Tgt Ion: 64 Resp: 2573

Ion Ratio Lower Upper

64 100

66 10.1 25.1 37.7#





#10

Methyl Iodide

Concen: 0.44 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX001640.D

Acq: 11 May 2018 15:40

Instrument :

MSVOA_X

ClientSampleId :

Z3TB04-180430

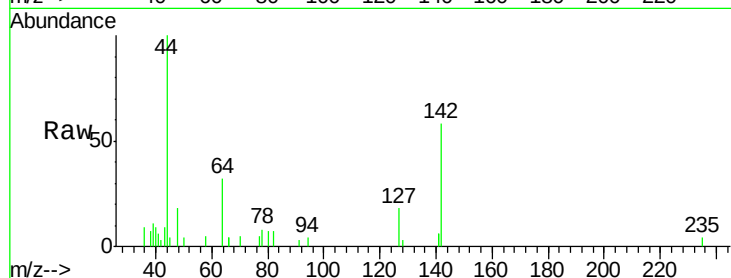
Tgt Ion:142 Resp: 2018

Ion Ratio Lower Upper

142 100

127 46.9 33.6 50.4

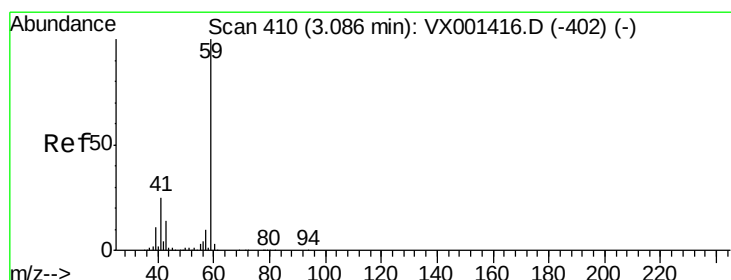
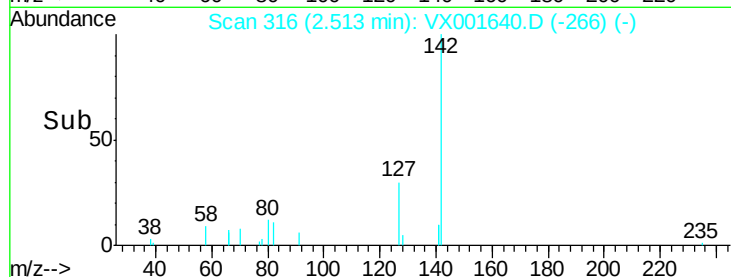
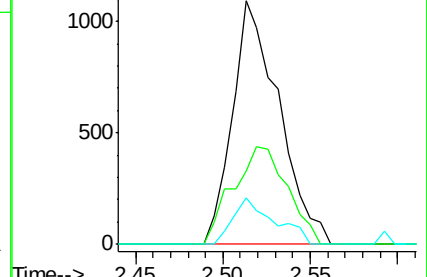
141 16.9 11.4 17.2



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: 0.27 ug/l

RT: 3.08 min Scan# 409

Delta R.T. -0.01 min

Lab File: VX001640.D

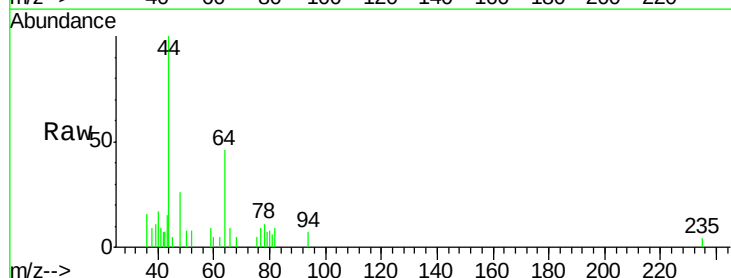
Acq: 11 May 2018 15:40

Tgt Ion: 59 Resp: 215

Ion Ratio Lower Upper

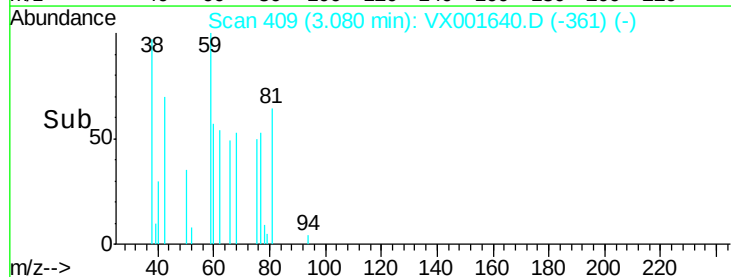
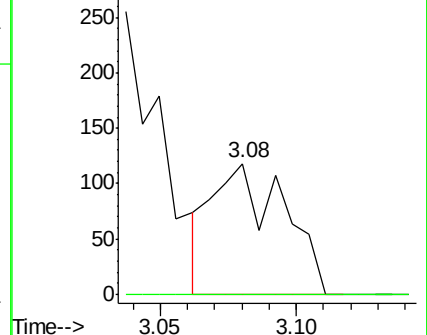
59 100

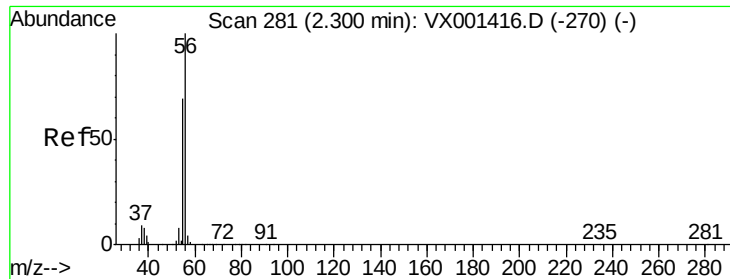
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: Below Cal

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX001640.D

Acq: 11 May 2018 15:40

Instrument :

MSVOA_X

ClientSampleId :

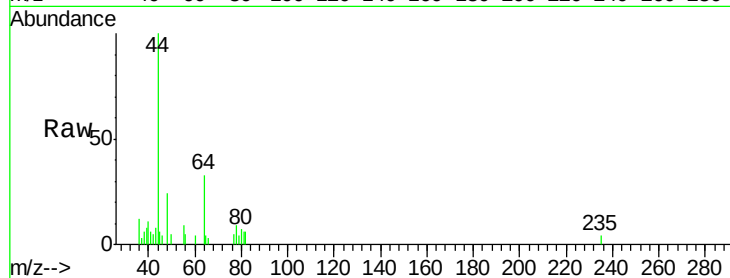
Z3TB04-180430

Tgt Ion: 56 Resp: 52

Ion Ratio Lower Upper

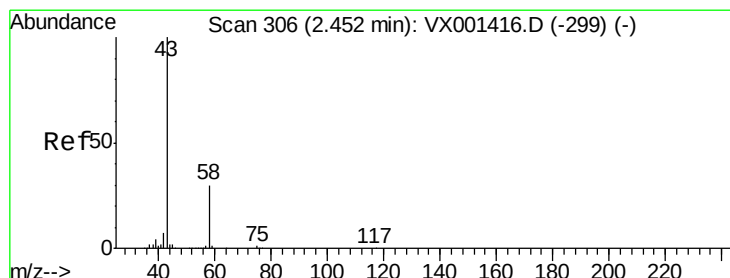
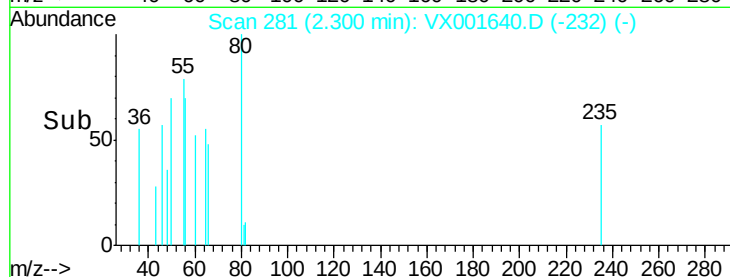
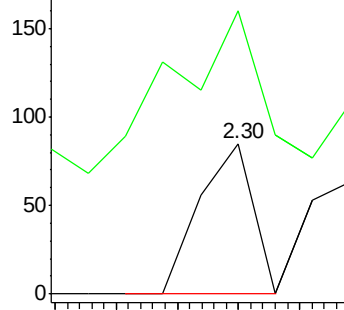
56 100

55 280.8 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: 8.55 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001640.D

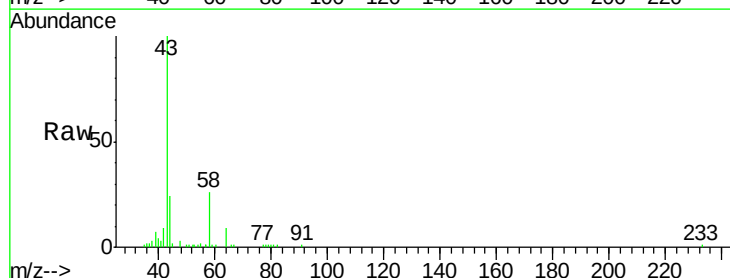
Acq: 11 May 2018 15:40

Tgt Ion: 43 Resp: 14710

Ion Ratio Lower Upper

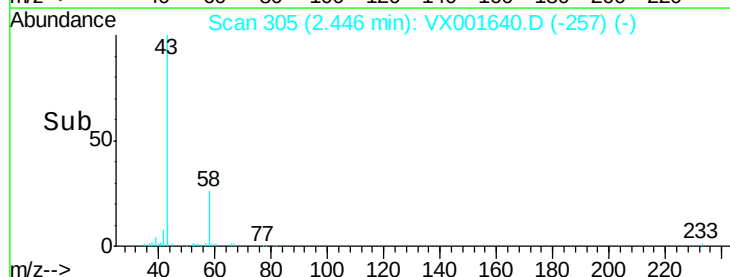
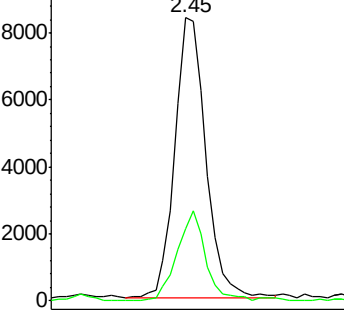
43 100

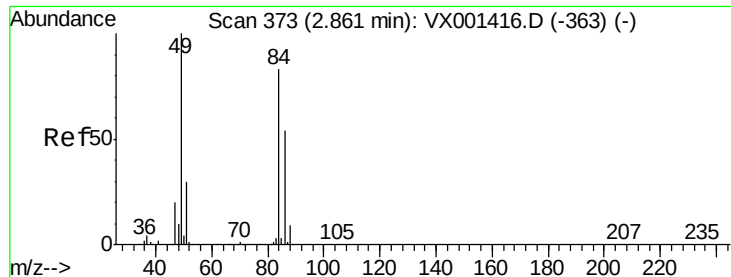
58 25.9 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#20

Methylene Chloride

Concen: 0.66 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX001640.D

Acq: 11 May 2018 15:40

Instrument :

MSVOA_X

ClientSampleId :

Z3TB04-180430

Tgt Ion: 84 Resp: 2250

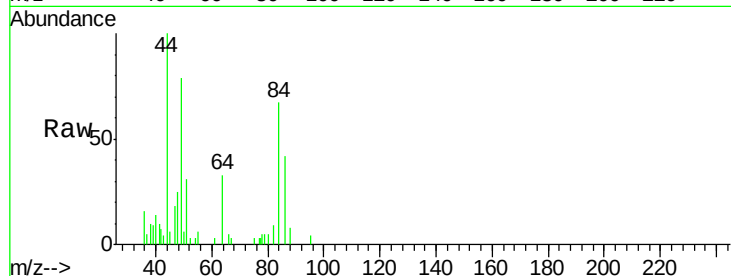
Ion Ratio Lower Upper

84 100

49 116.9 96.6 144.8

51 45.7 29.0 43.4#

86 62.1 52.2 78.4

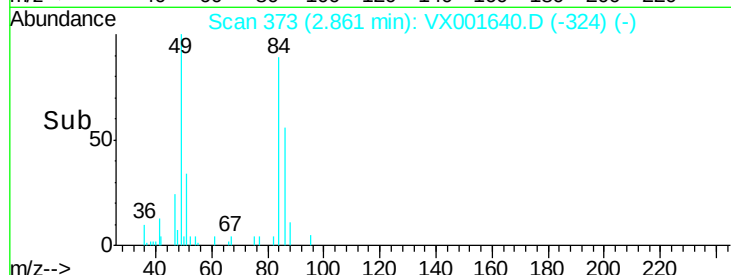
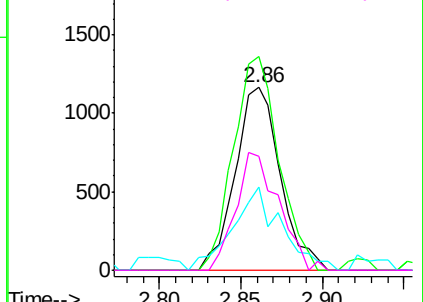


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 0.31 ug/l

RT: 4.72 min Scan# 678

Delta R.T. -0.00 min

Lab File: VX001640.D

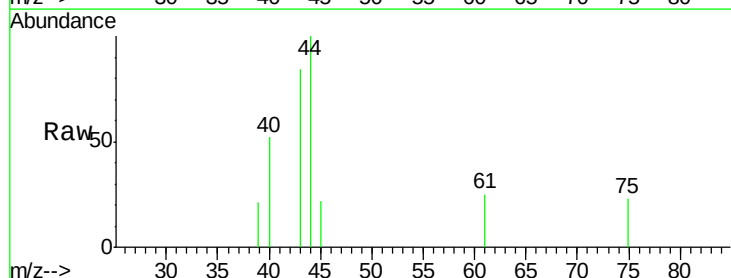
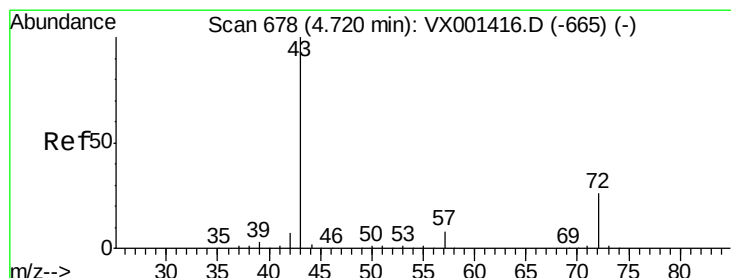
Acq: 11 May 2018 15:40

Tgt Ion: 43 Resp: 773

Ion Ratio Lower Upper

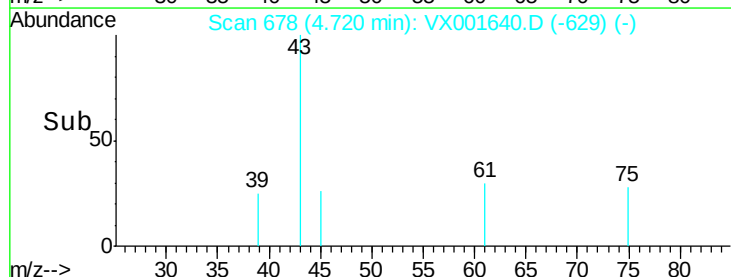
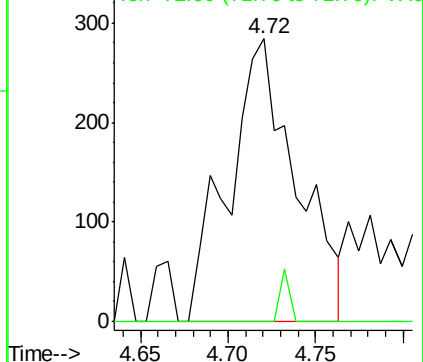
43 100

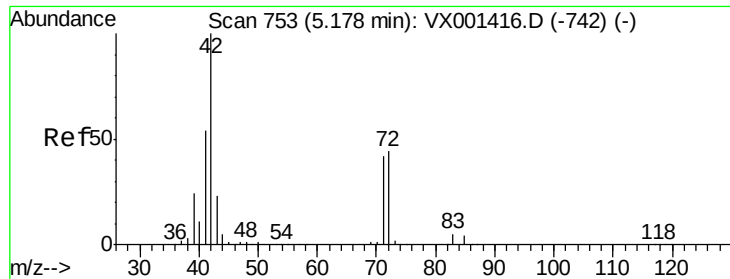
72 0.0 20.7 31.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.30 ug/l

RT: 5.18 min Scan# 753

Delta R.T. -0.00 min

Lab File: VX001640.D

Acq: 11 May 2018 15:40

Instrument :

MSVOA_X

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Z3TB04-180430

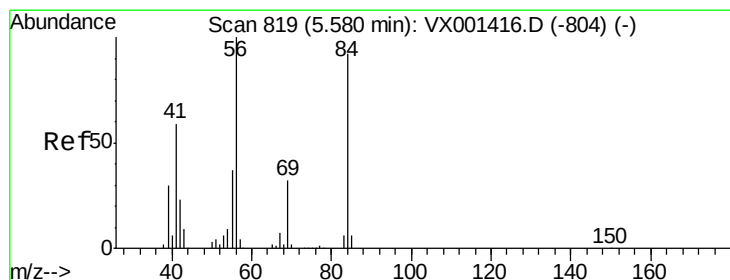
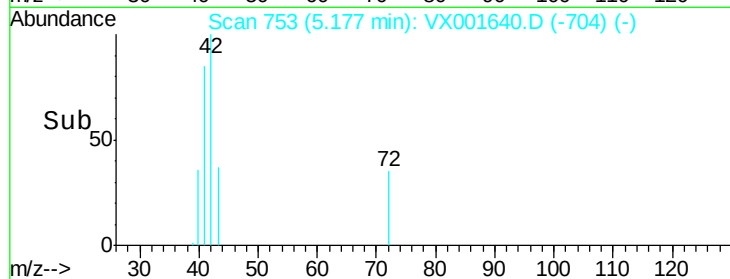
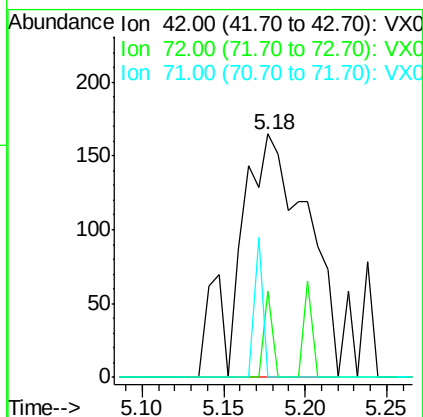
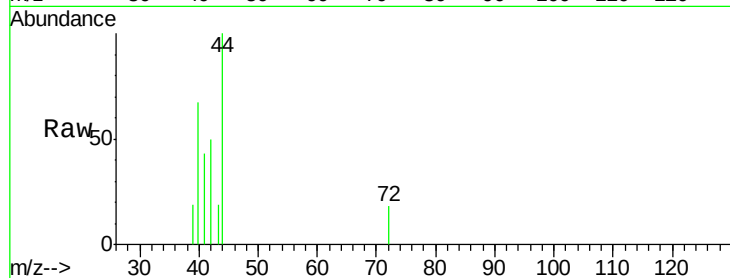
Tgt Ion: 42 Resp: 483

Ion Ratio Lower Upper

42 100

72 4.3 35.4 53.2#

71 7.2 33.0 49.4#



#31

Cyclohexane

Concen: 0.90 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001640.D

Acq: 11 May 2018 15:40

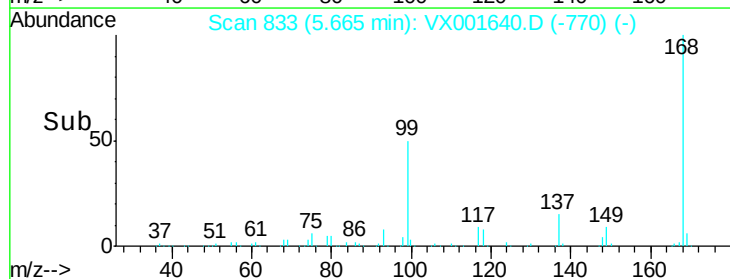
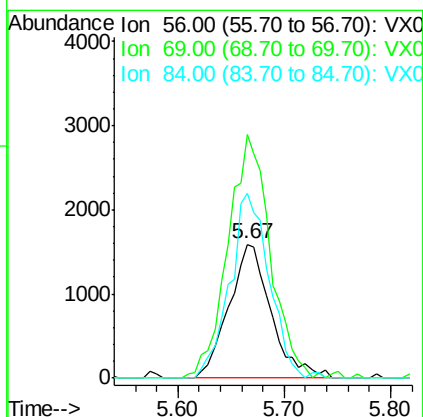
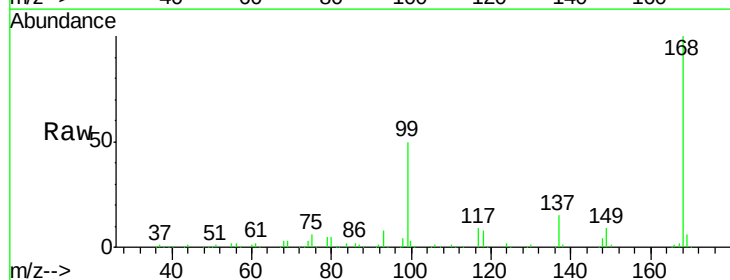
Tgt Ion: 56 Resp: 4391

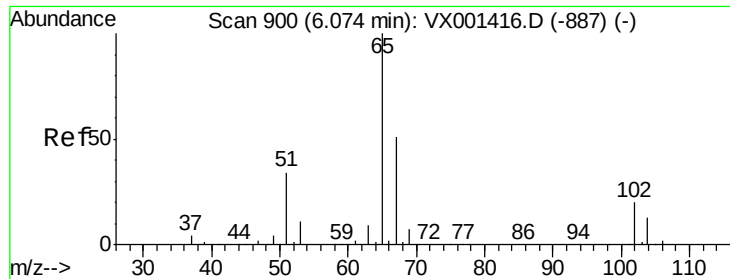
Ion Ratio Lower Upper

56 100

69 179.1 25.4 38.0#

84 138.7 73.8 110.8#

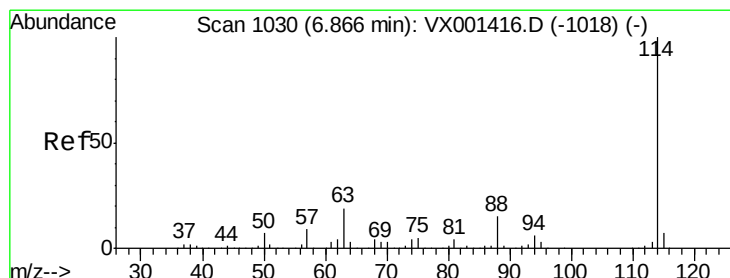
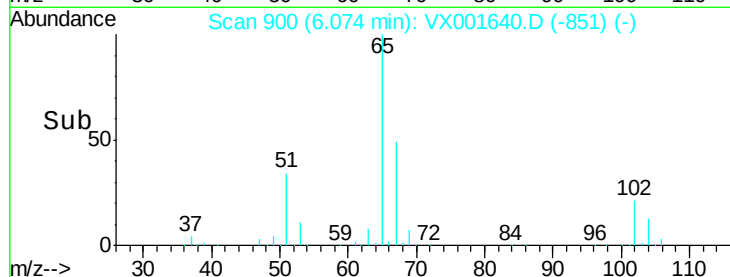
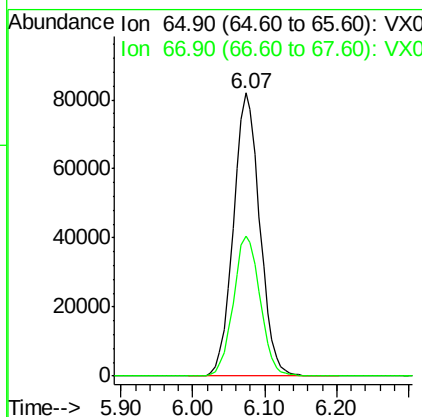
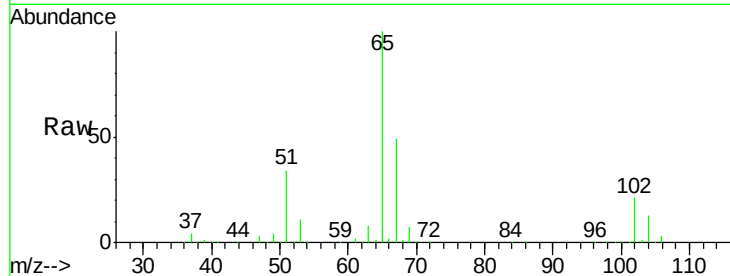




#33
 1,2-Dichloroethane-d4
 Concen: 55.08 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX001640.D
 Acq: 11 May 2018 15:40

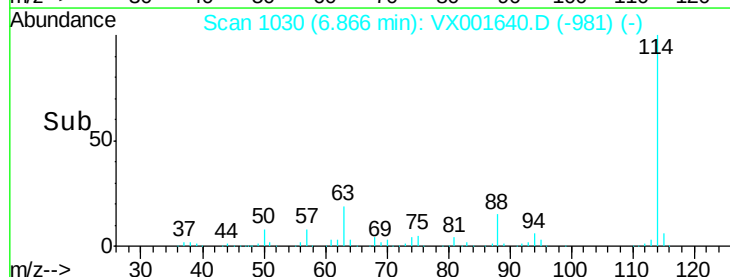
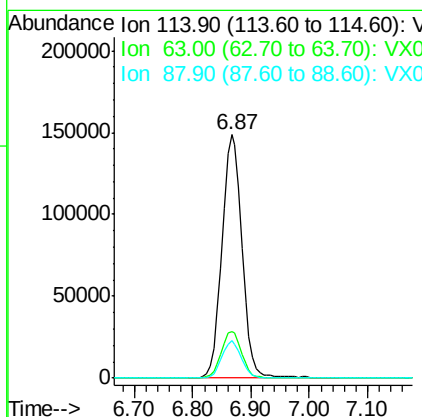
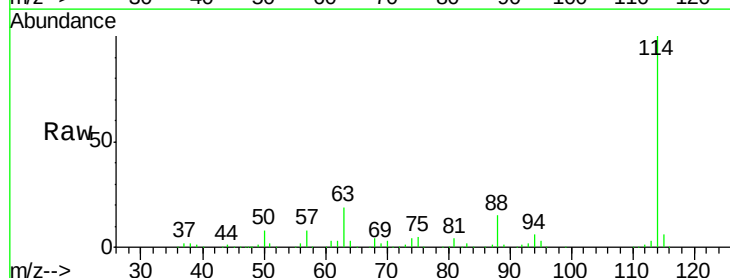
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3TB04-180430

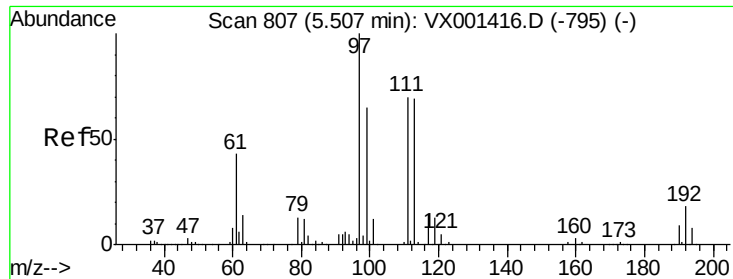
Tgt Ion: 65 Resp: 208734
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001640.D
 Acq: 11 May 2018 15:40

Tgt Ion: 114 Resp: 356297
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.6
 88 15.4 0.0 30.8





#35

Dibromofluoromethane

Concen: 52.46 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX001640.D

Acq: 11 May 2018 15:40

Instrument :

MSVOA_X

ClientSampleId :

Z3TB04-180430

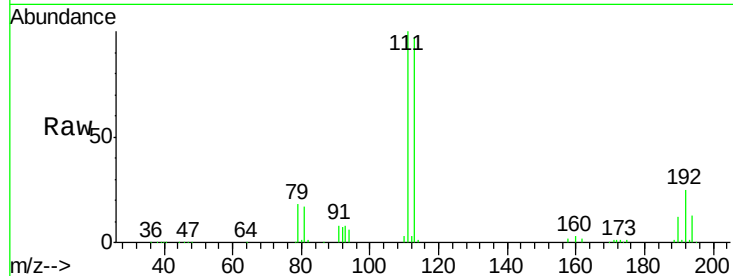
Tgt Ion:113 Resp: 166270

Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.2

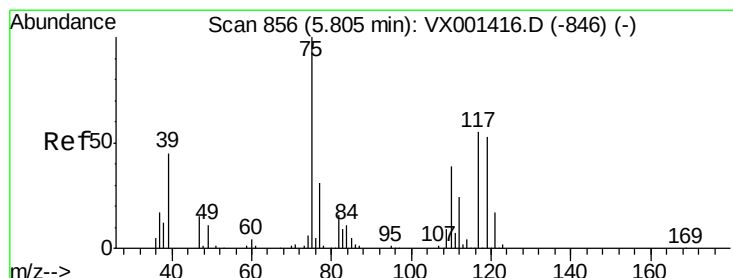
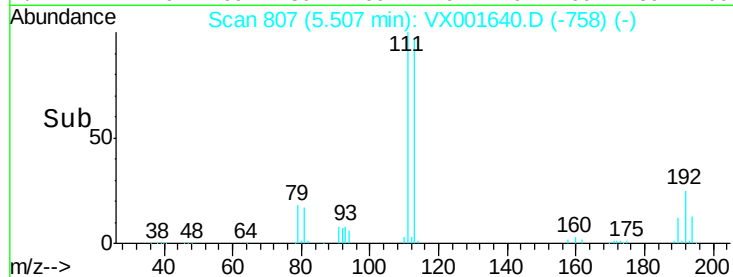
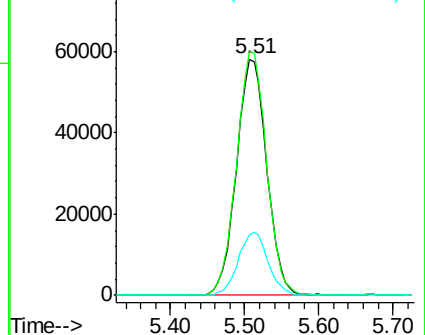
192 26.4 21.4 32.0



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: VX001640.D

Acq: 11 May 2018 15:40

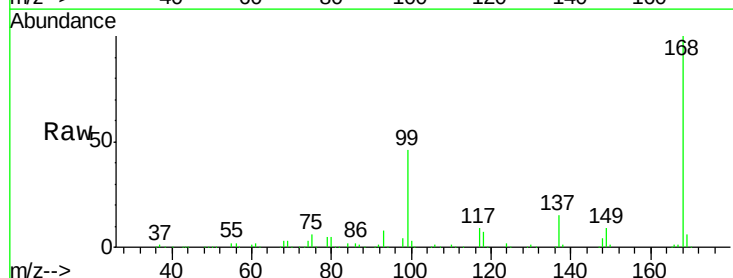
Tgt Ion: 75 Resp: 16299

Ion Ratio Lower Upper

75 100

110 9.2 18.9 56.7#

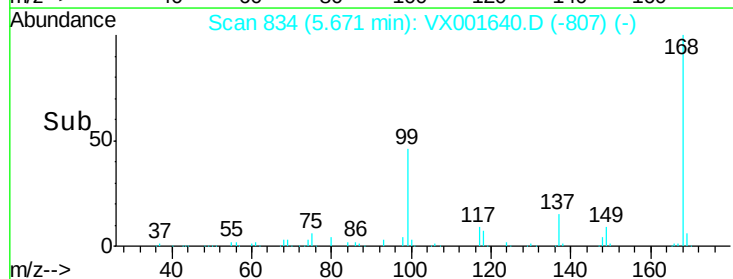
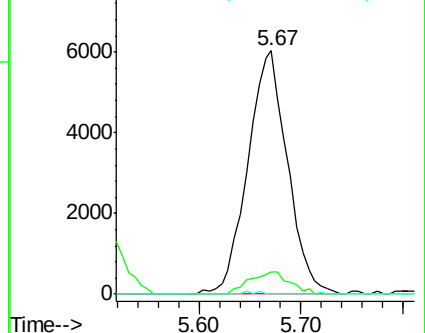
77 0.0 24.9 37.3#

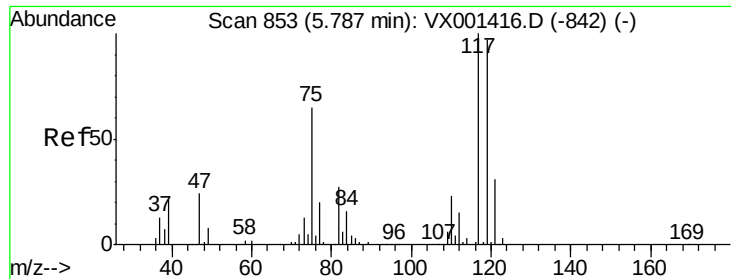


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 4.76 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001640.D

Acq: 11 May 2018 15:40

Instrument :

MSVOA_X

ClientSampleId :

Z3TB04-180430

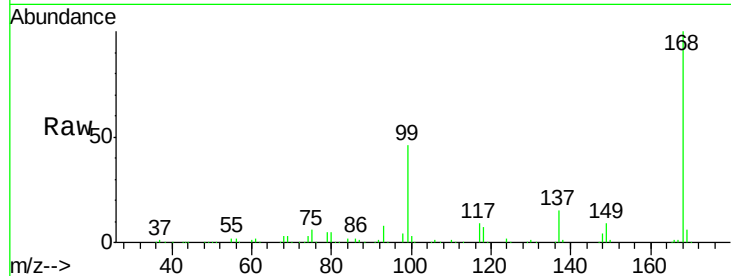
Tgt Ion: 117 Resp: 23008

Ion Ratio Lower Upper

117 100

119 4.7 77.0 115.6#

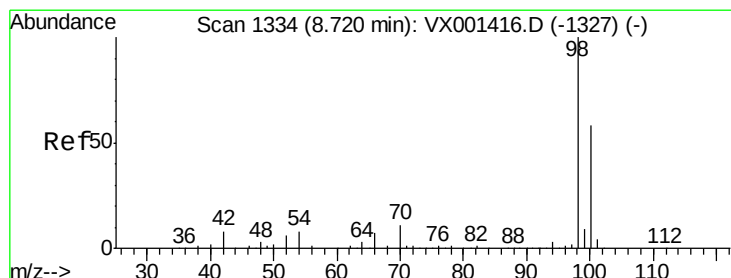
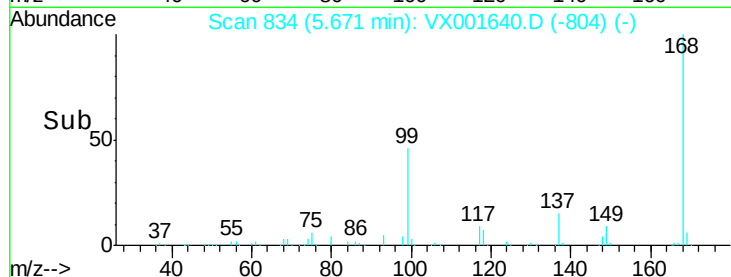
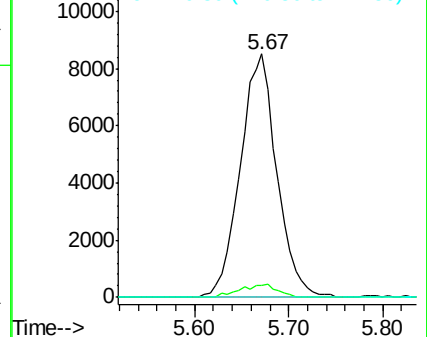
121 0.0 25.1 37.7#



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



#50

Toluene-d8

Concen: 50.93 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001640.D

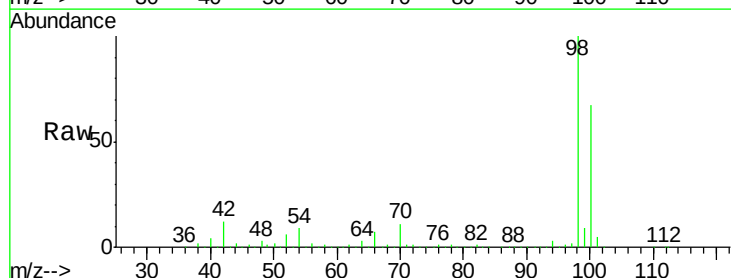
Acq: 11 May 2018 15:40

Tgt Ion: 98 Resp: 589216

Ion Ratio Lower Upper

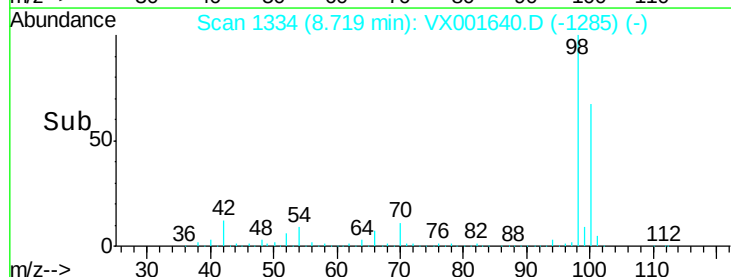
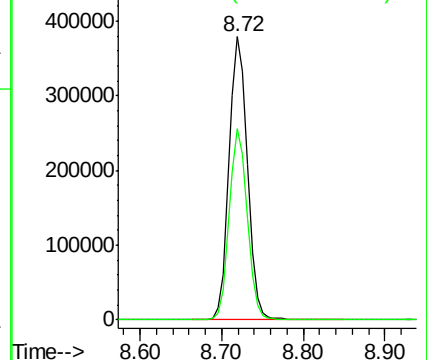
98 100

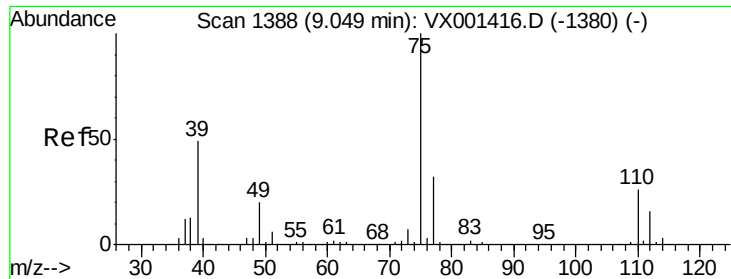
100 66.2 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

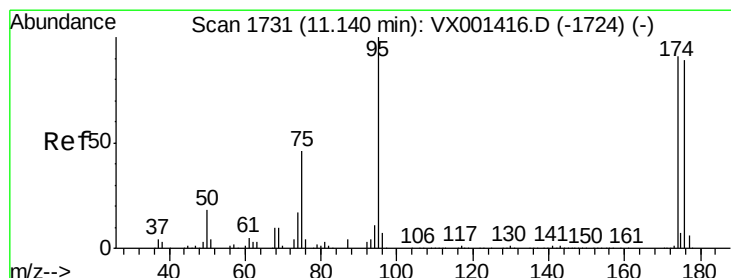
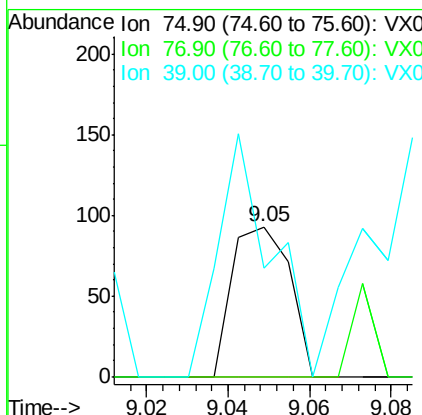
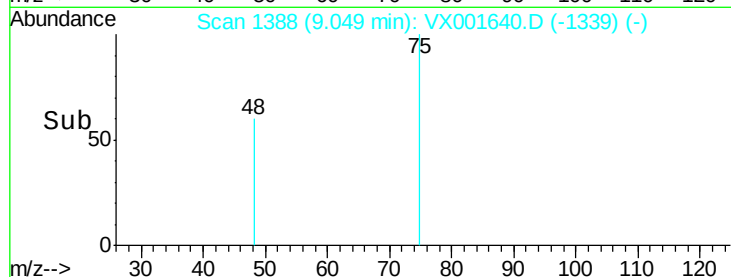
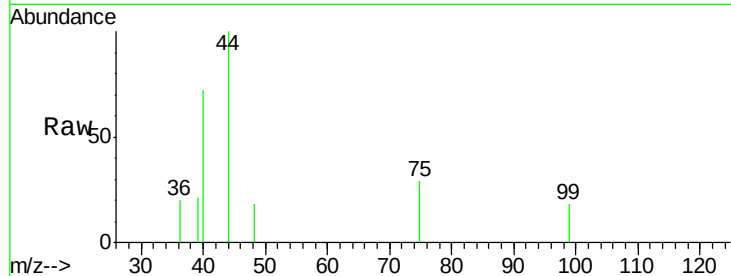




#54
 cis-1,3-Dichloropropene
 Concen: 2.28 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VX001640.D
 Acq: 11 May 2018 15:40

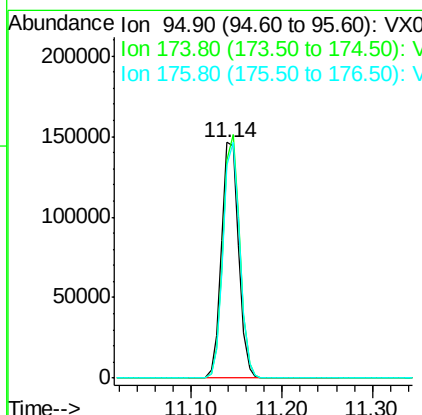
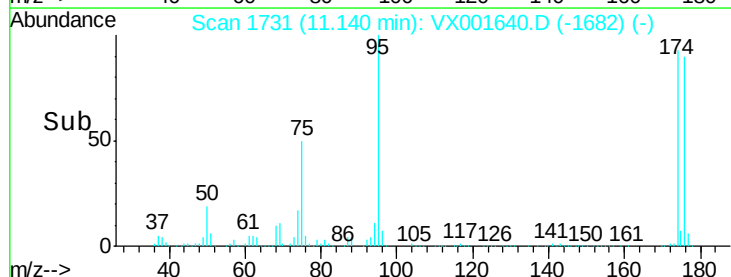
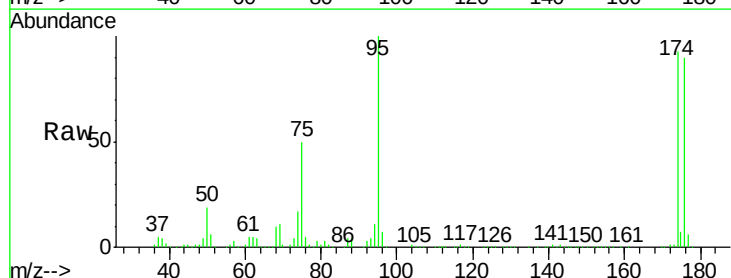
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3TB04-180430

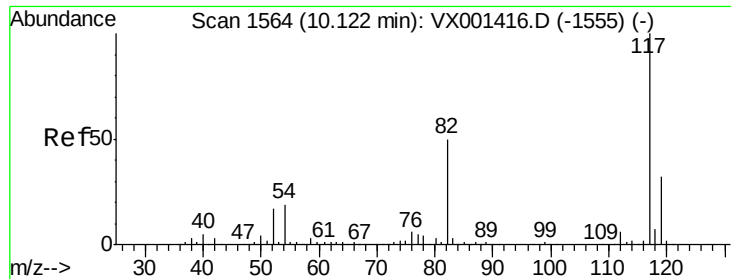
Tgt Ion: 75 Resp: 91
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#
 39 72.0 38.9 58.3#



#62
 4-Bromofluorobenzene
 Concen: 43.40 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX001640.D
 Acq: 11 May 2018 15:40

Tgt Ion: 95 Resp: 192750
 Ion Ratio Lower Upper
 95 100
 174 100.5 0.0 202.0
 176 97.8 0.0 197.4

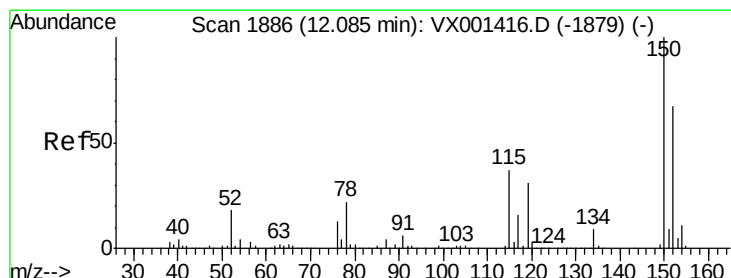
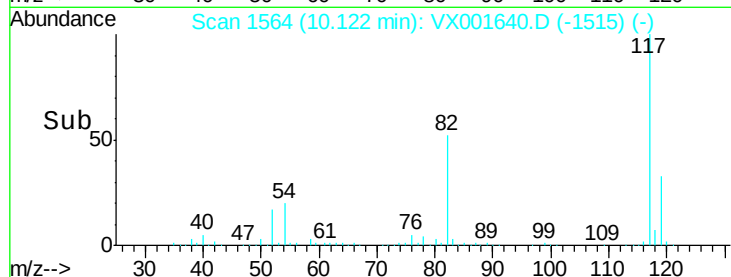
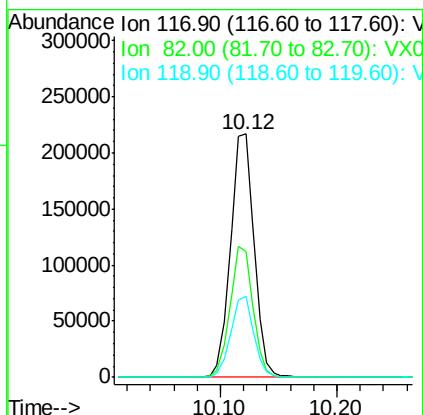
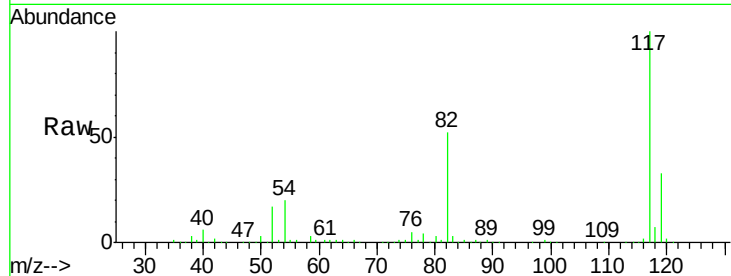




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX001640.D
Acq: 11 May 2018 15:40

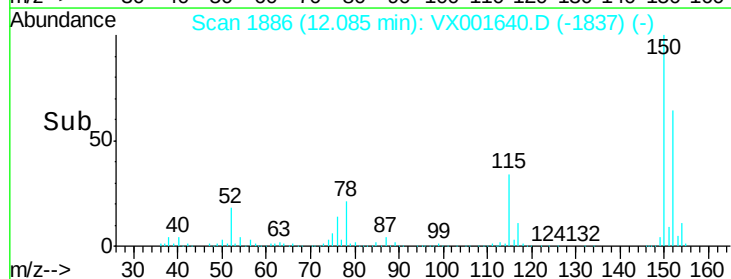
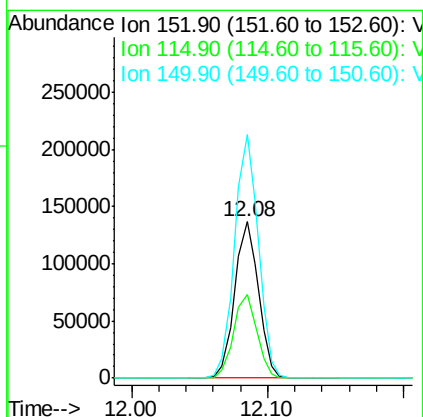
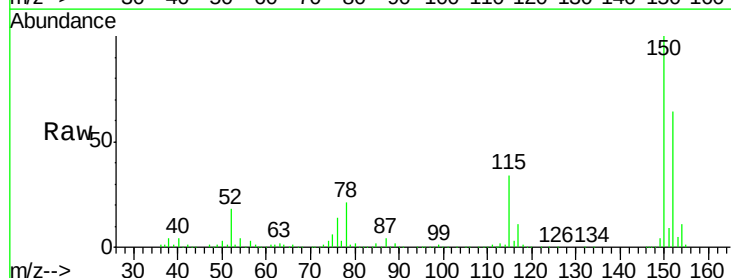
Instrument :
MSVOA_X
ClientSampleId :
Z3TB04-180430

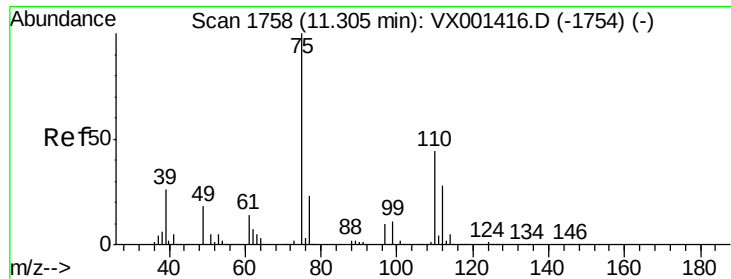
Tgt Ion:117 Resp: 306036
Ion Ratio Lower Upper
117 100
82 51.6 40.0 60.0
119 33.4 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX001640.D
Acq: 11 May 2018 15:40

Tgt Ion:152 Resp: 165969
Ion Ratio Lower Upper
152 100
115 53.0 37.7 113.1
150 155.9 0.0 349.4





#76

1,2,3-Trichloropropane

Concen: 28.23 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001640.D

Acq: 11 May 2018 15:40

Instrument :

MSVOA_X

ClientSampleId :

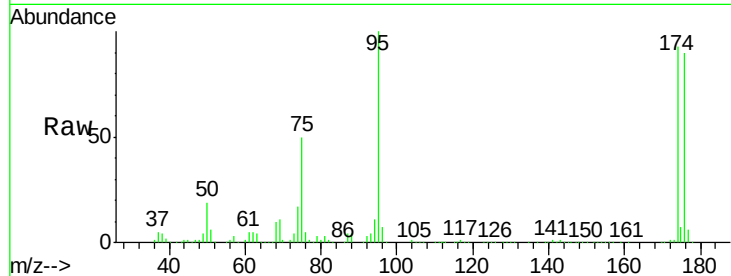
Z3TB04-180430

Tgt Ion: 75 Resp: 95028

Ion Ratio Lower Upper

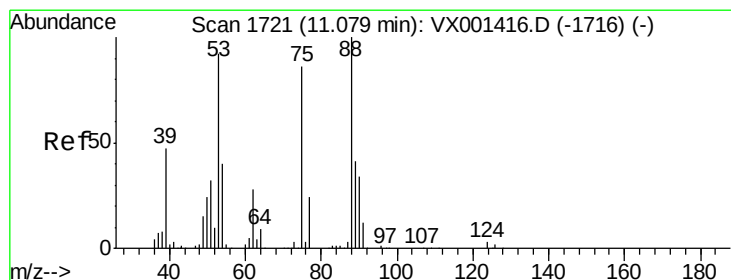
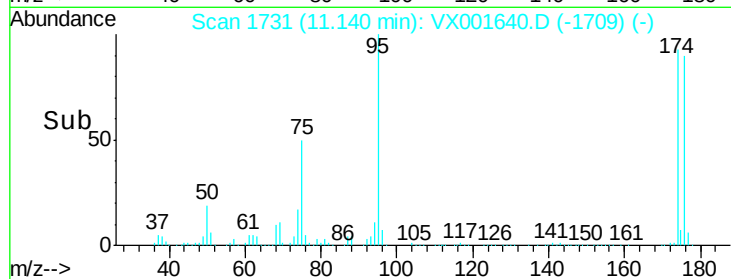
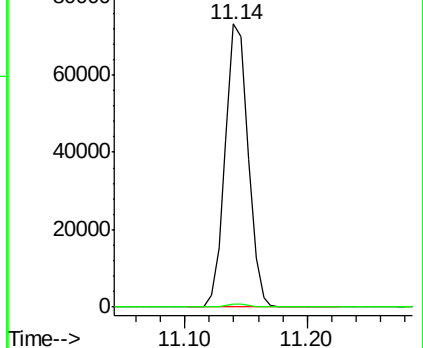
75 100

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: 86.58 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001640.D

Acq: 11 May 2018 15:40

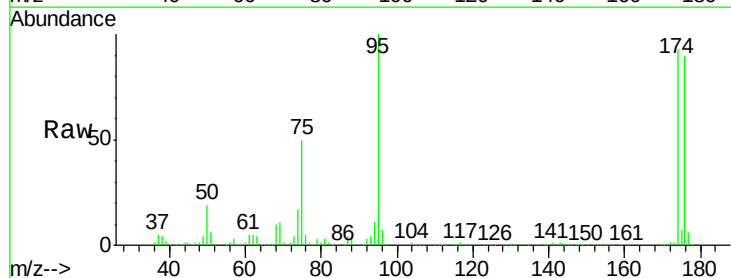
Tgt Ion: 75 Resp: 95028

Ion Ratio Lower Upper

75 100

53 0.0 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

