

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072318\
 Data File : VX003621.D
 Acq On : 24 Jul 2018 00:02
 Operator : JC/SP
 Sample : J4073-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB03-070318

Quant Time: Jul 24 01:46:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	234511	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	342191	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	315840	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	169961	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	131732	47.45	ug/l	0.00
Spiked Amount			Recovery	=	94.90%	
35) Dibromofluoromethane	5.51	113	125241	48.05	ug/l	0.00
Spiked Amount			Recovery	=	96.10%	
50) Toluene-d8	8.72	98	480358	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
62) 4-Bromofluorobenzene	11.14	95	159590	44.64	ug/l	0.00
Spiked Amount			Recovery	=	89.28%	

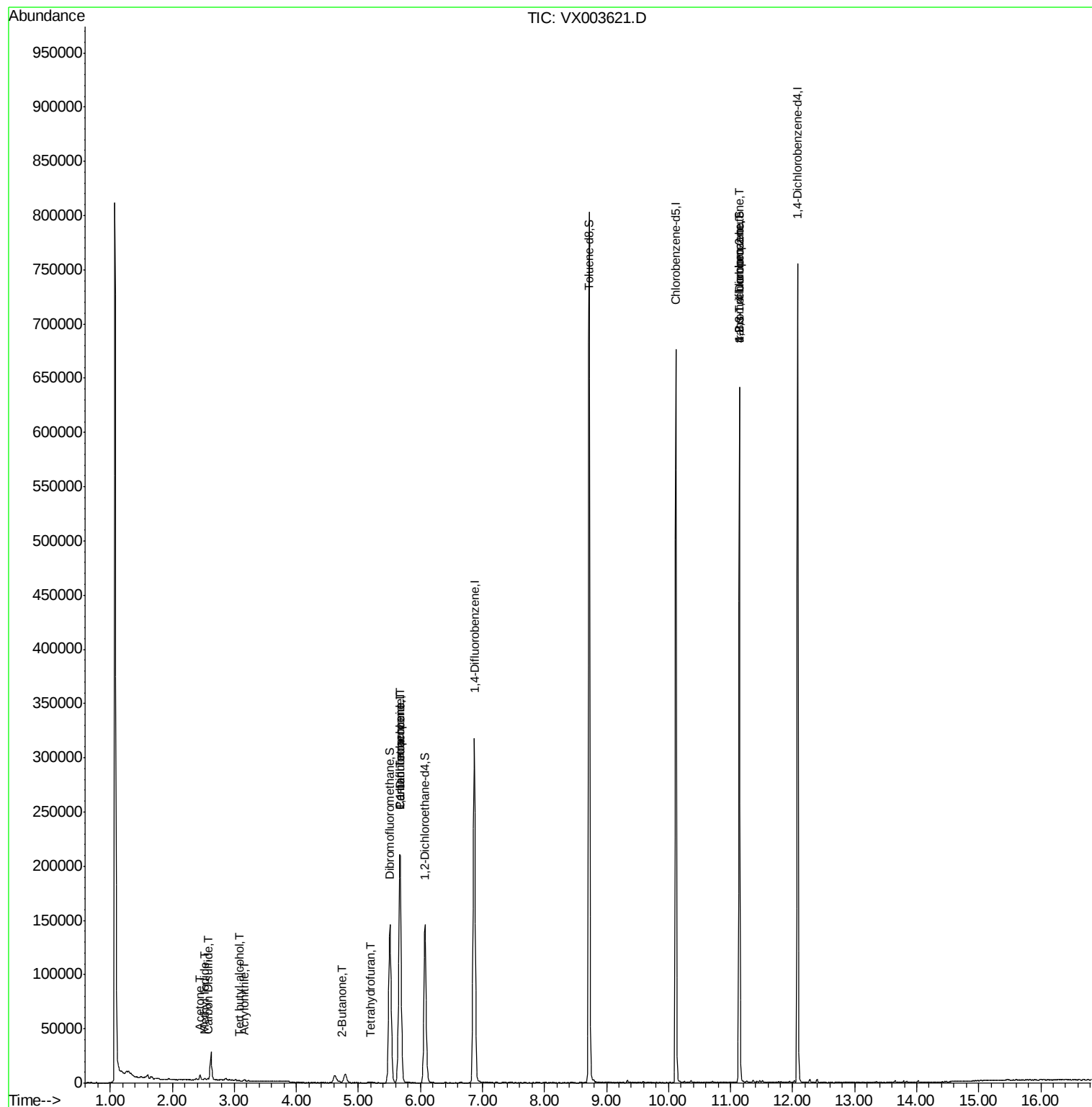
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	169	Below Cal	#	59
3) Chloromethane	1.32	50	660	Below Cal	#	87
5) Bromomethane	1.65	94	1627	Below Cal		92
10) Methyl Iodide	2.52	142	1910	0.611	ug/l #	86
11) Tert butyl alcohol	3.08	59	581	1.058	ug/l #	73
15) Acrylonitrile	3.15	53	316	0.226	ug/l #	80
16) Acetone	2.45	43	4901	4.674	ug/l #	73
17) Carbon Disulfide	2.57	76	1578	0.242	ug/l #	88
20) Methylene Chloride	2.86	84	539	Below Cal		89
25) 2-Butanone	4.73	43	617	0.351	ug/l #	52
29) Tetrahydrofuran	5.18	42	729	0.627	ug/l #	50
36) 1,1-Dichloropropene	5.67	75	13437	3.637	ug/l #	49
38) Carbon Tetrachloride	5.67	117	19129	5.279	ug/l #	17
76) 1,2,3-Trichloropropane	11.14	75	75659	24.779	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	75659	69.412	ug/l #	7

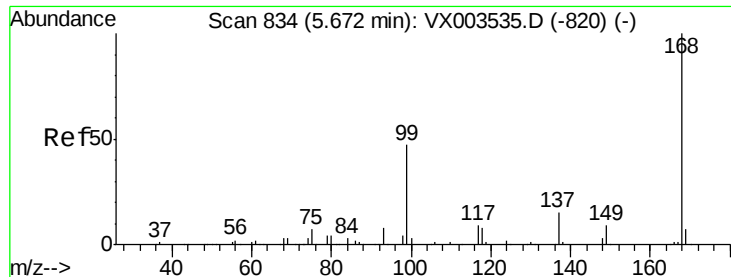
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003621.D

Acq: 24 Jul 2018 00:02

Instrument :

MSVOA_X

ClientSampleId :

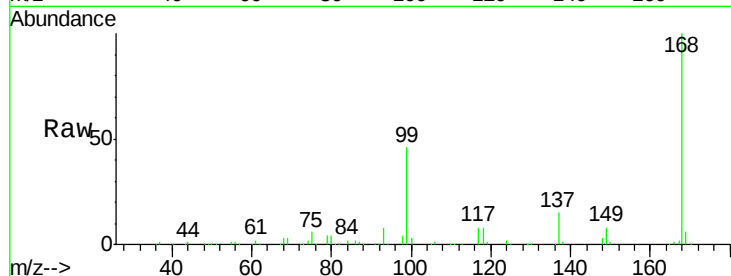
TB03-070318

Tgt Ion:168 Resp: 234511

Ion Ratio Lower Upper

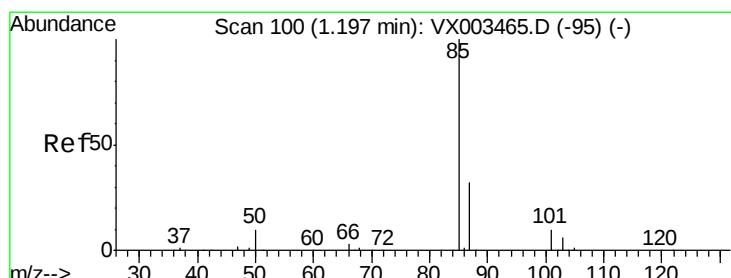
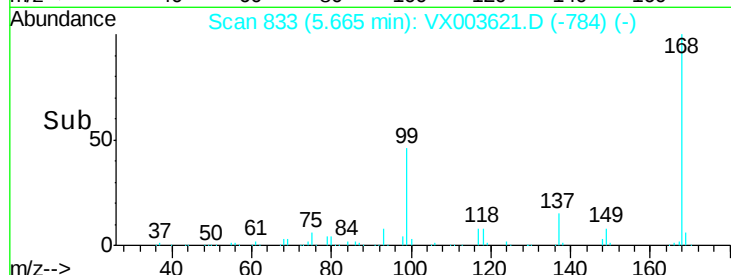
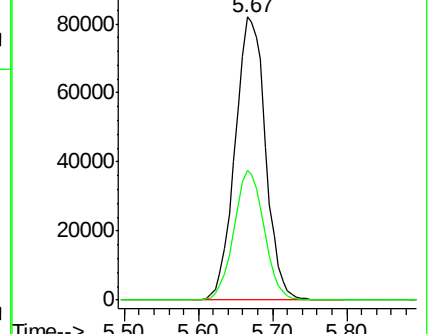
168 100

99 45.8 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003621.D

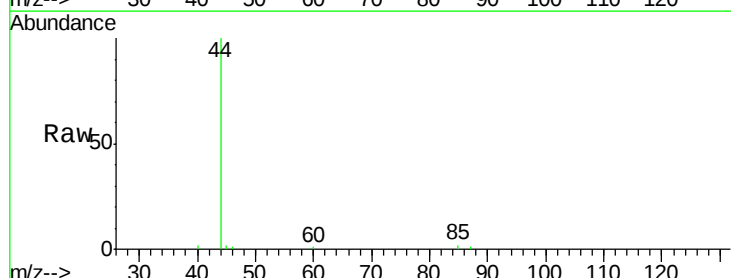
Acq: 24 Jul 2018 00:02

Tgt Ion: 85 Resp: 169

Ion Ratio Lower Upper

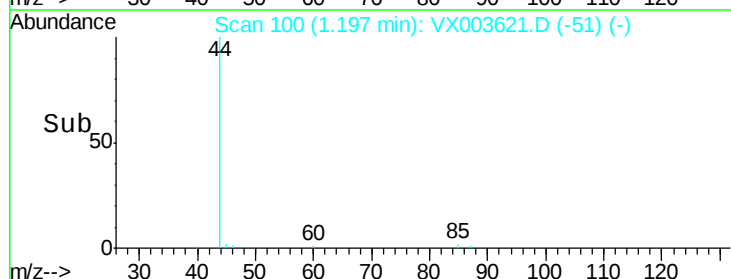
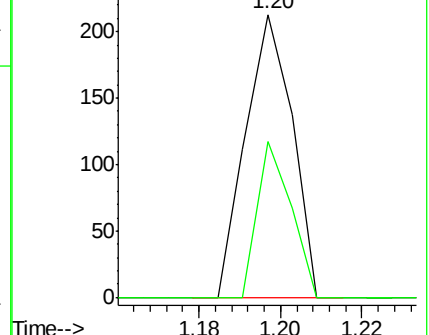
85 100

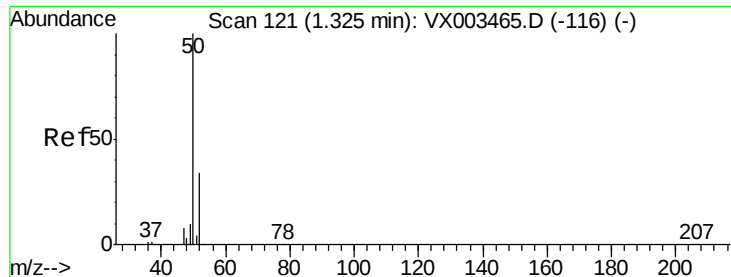
87 54.9 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003621.D

Acq: 24 Jul 2018 00:02

Instrument :

MSVOA_X

ClientSampleId :

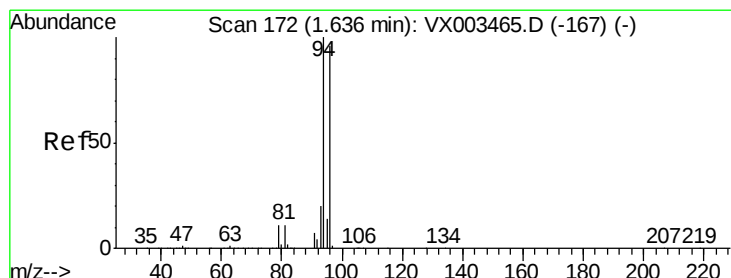
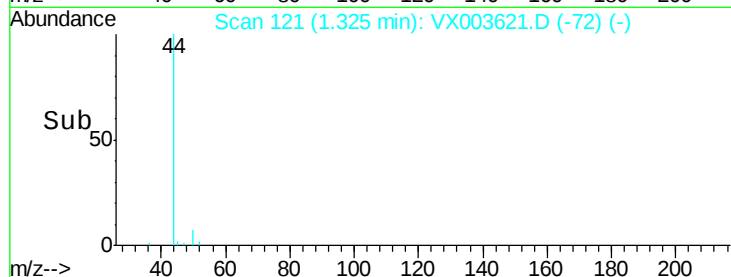
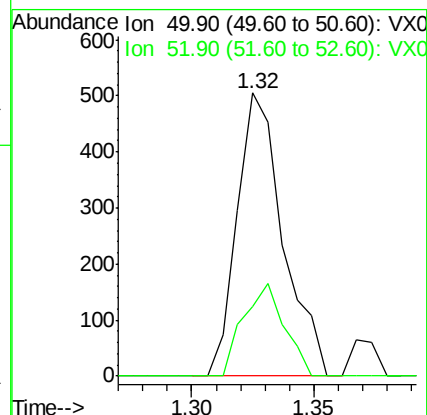
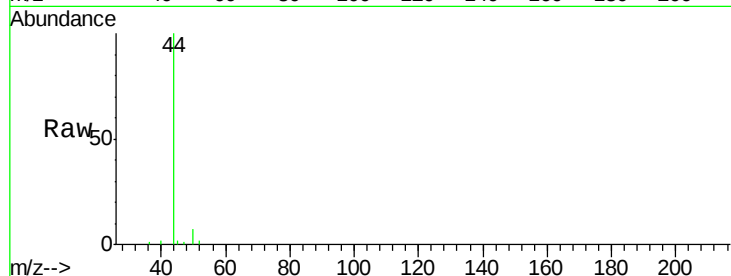
TB03-070318

Tgt Ion: 50 Resp: 660

Ion Ratio Lower Upper

50 100

52 24.8 25.7 38.5#



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003621.D

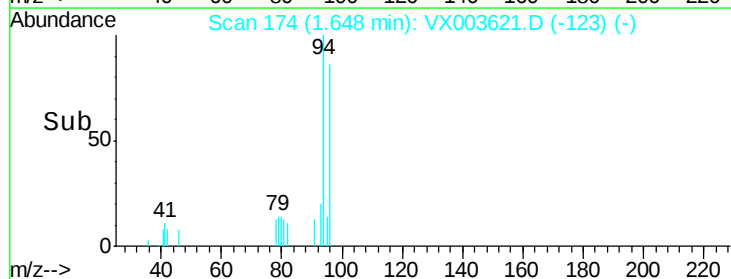
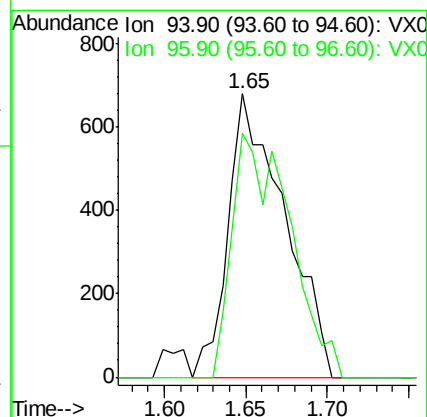
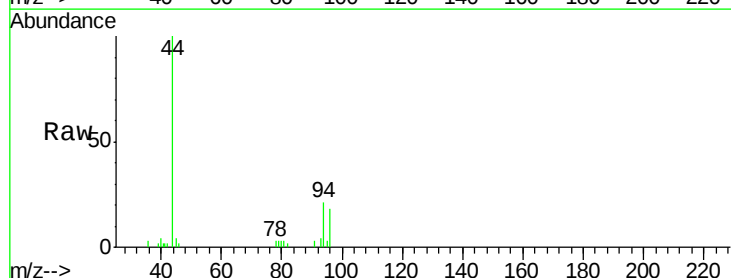
Acq: 24 Jul 2018 00:02

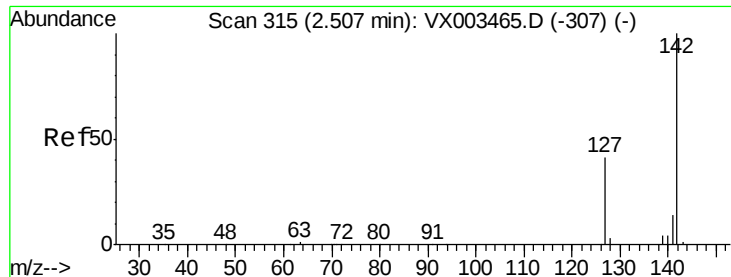
Tgt Ion: 94 Resp: 1627

Ion Ratio Lower Upper

94 100

96 86.0 74.9 112.3

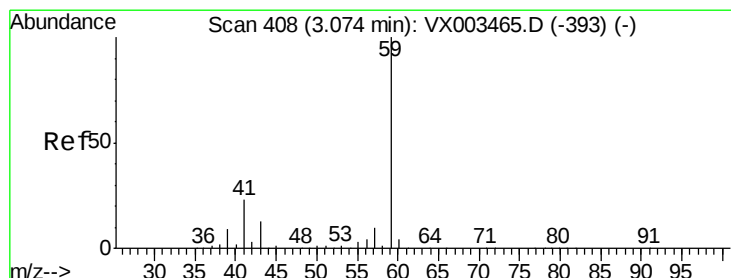
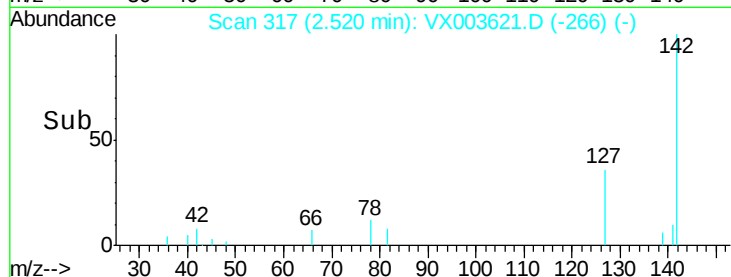
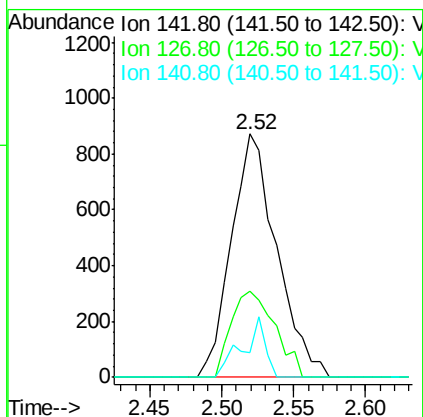
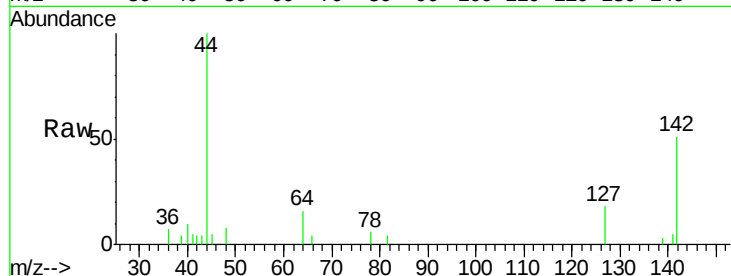




#10
Methyl Iodide
Concen: 0.611 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX003621.D
Acq: 24 Jul 2018 00:02

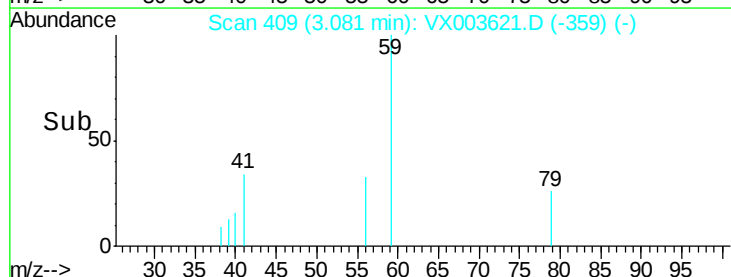
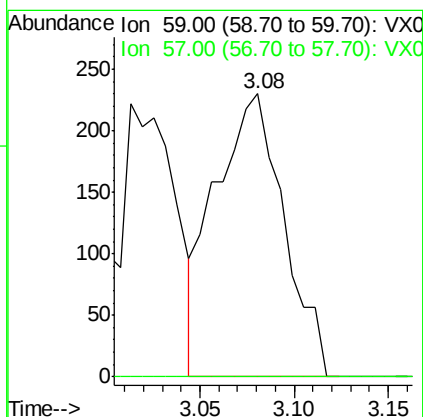
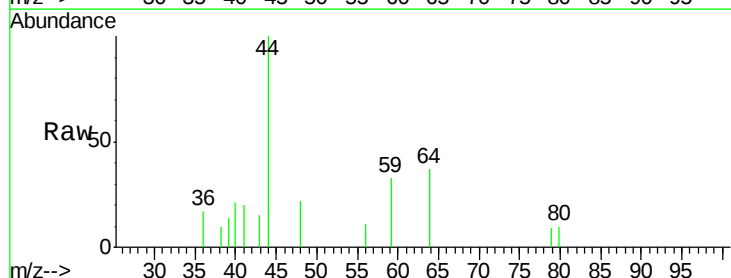
Instrument :
MSVOA_X
ClientSampleId :
TB03-070318

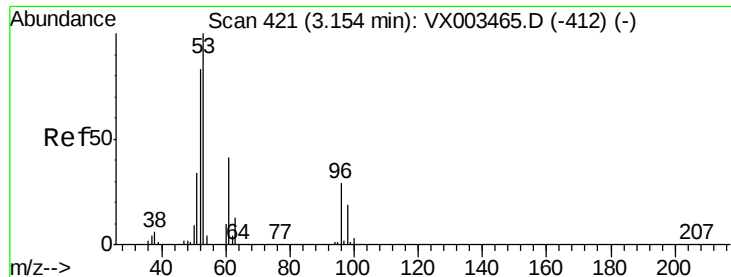
Tgt Ion: 142 Resp: 1910
Ion Ratio Lower Upper
142 100
127 34.1 36.6 55.0#
141 12.4 11.3 16.9



#11
Tert butyl alcohol
Concen: 1.058 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX003621.D
Acq: 24 Jul 2018 00:02

Tgt Ion: 59 Resp: 581
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#15

Acrylonitrile

Concen: 0.226 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX003621.D

Acq: 24 Jul 2018 00:02

Instrument :

MSVOA_X

ClientSampled :

TB03-070318

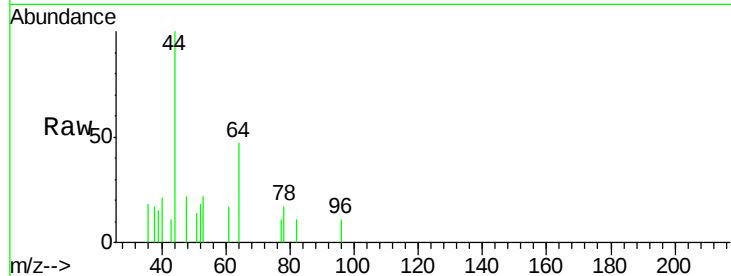
Tgt Ion: 53 Resp: 316

Ion Ratio Lower Upper

53 100

52 72.5 66.7 100.1

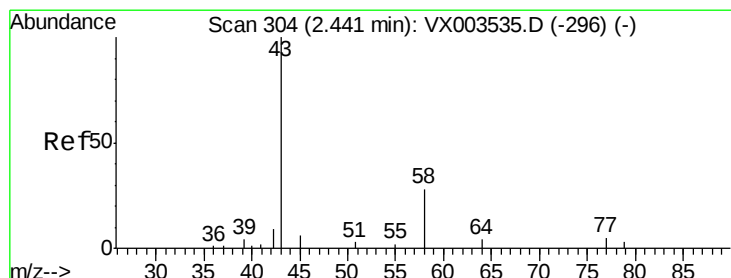
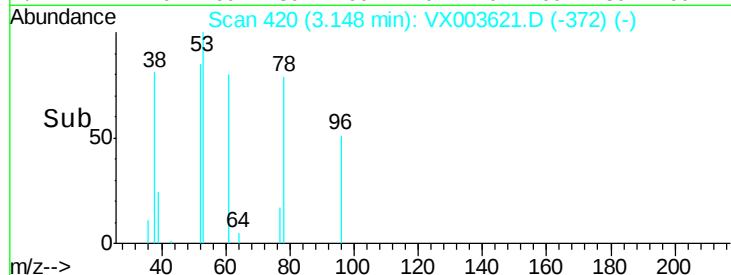
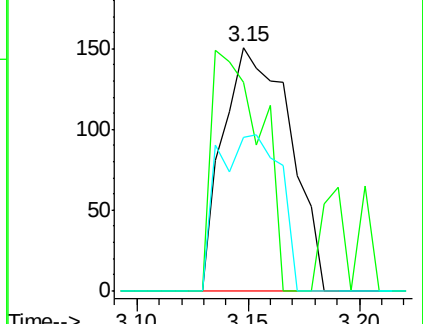
51 59.8 29.9 44.9#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 4.674 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003621.D

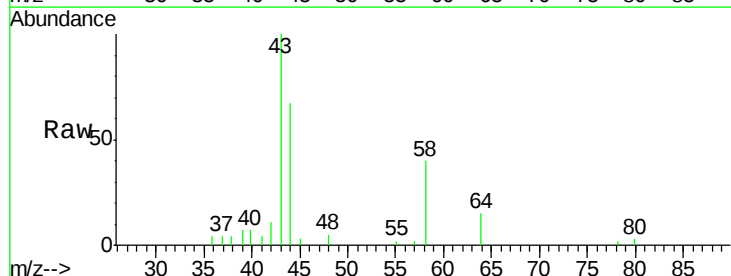
Acq: 24 Jul 2018 00:02

Tgt Ion: 43 Resp: 4901

Ion Ratio Lower Upper

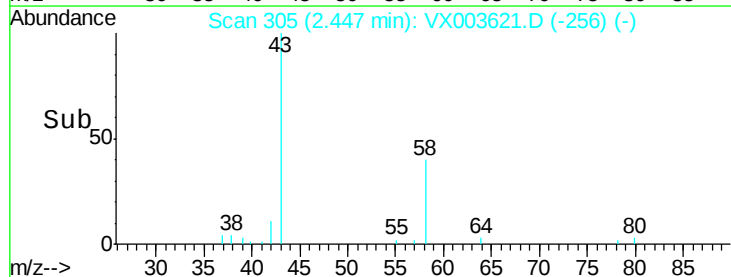
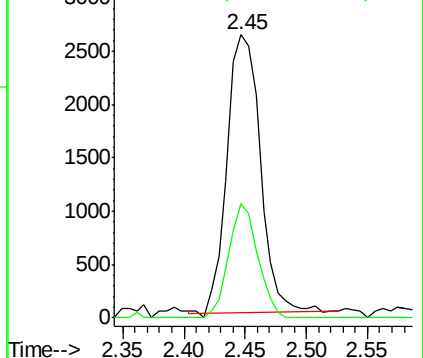
43 100

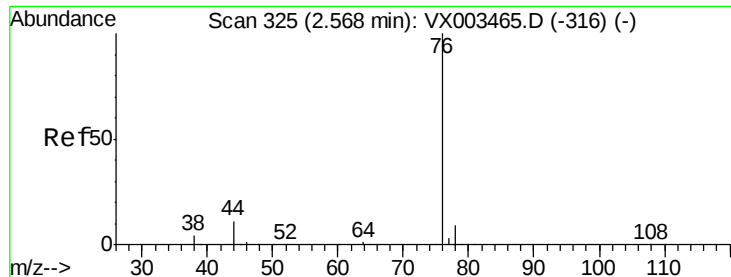
58 41.5 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

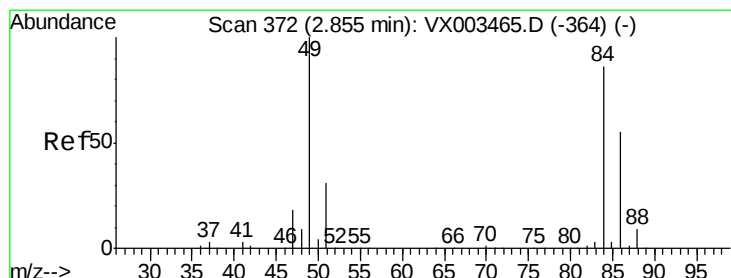
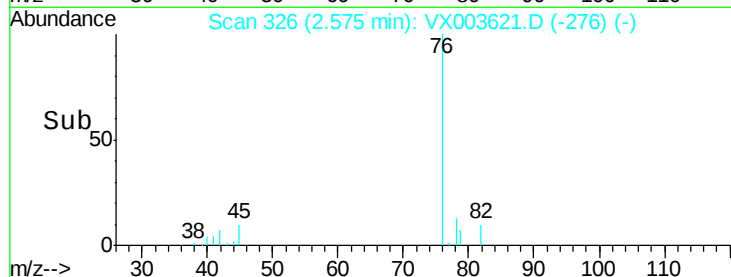
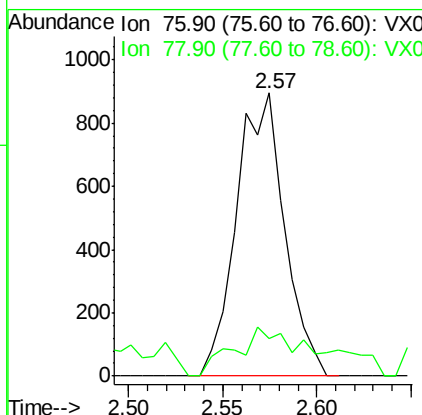
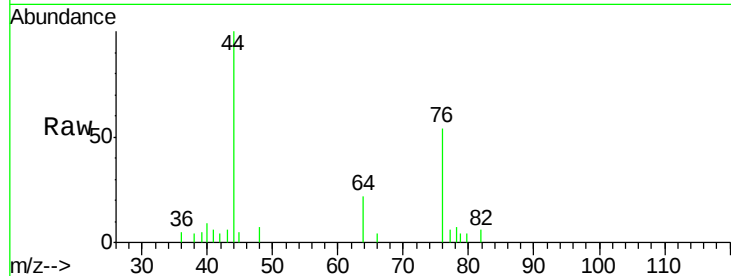




#17
Carbon Disulfide
Concen: 0.242 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX003621.D
Acq: 24 Jul 2018 00:02

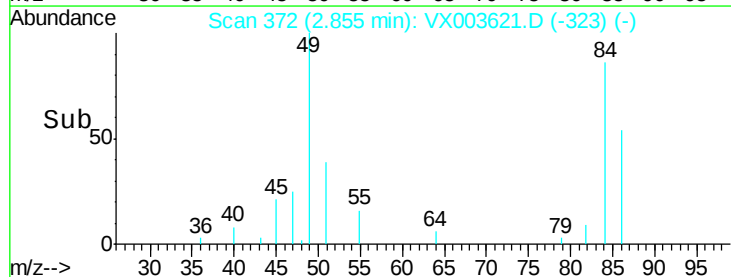
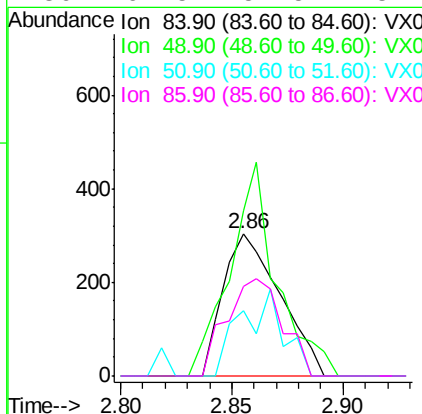
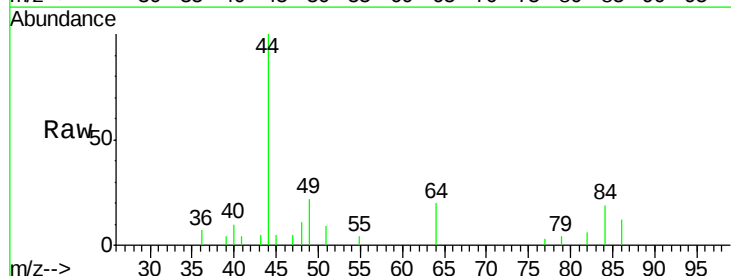
Instrument :
MSVOA_X
ClientSampleId :
TB03-070318

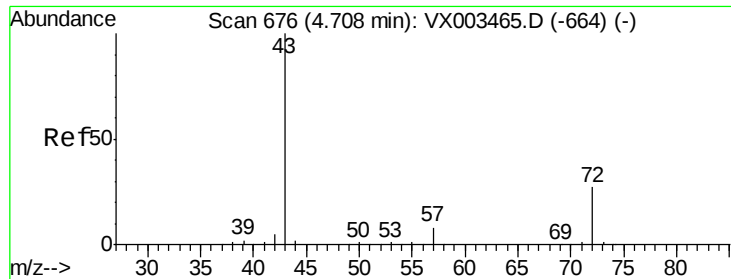
Tgt Ion: 76 Resp: 1578
Ion Ratio Lower Upper
76 100
78 13.1 6.9 10.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003621.D
Acq: 24 Jul 2018 00:02

Tgt Ion: 84 Resp: 539
Ion Ratio Lower Upper
84 100
49 116.1 107.8 161.6
51 45.7 32.8 49.2
86 62.5 52.5 78.7





#25

2-Butanone

Concen: 0.351 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.02 min

Lab File: VX003621.D

Acq: 24 Jul 2018 00:02

Instrument :

MSVOA_X

ClientSampled :

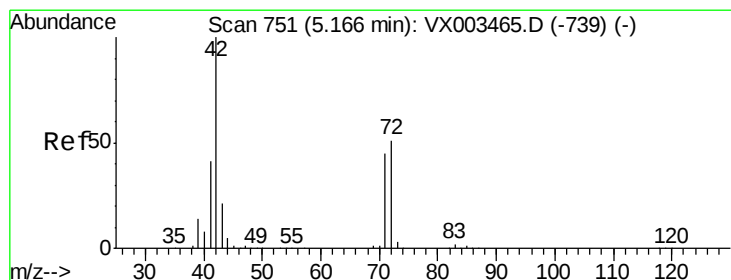
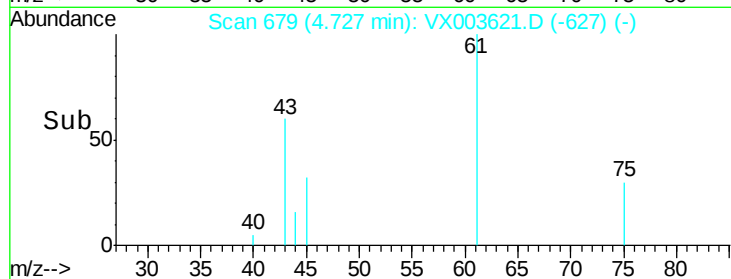
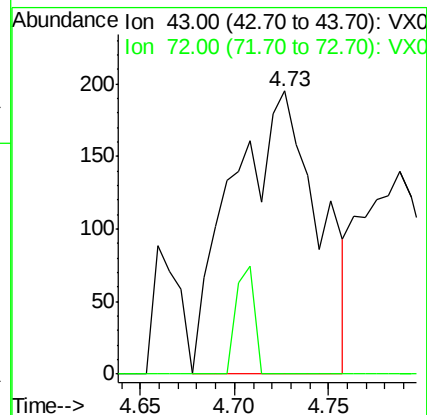
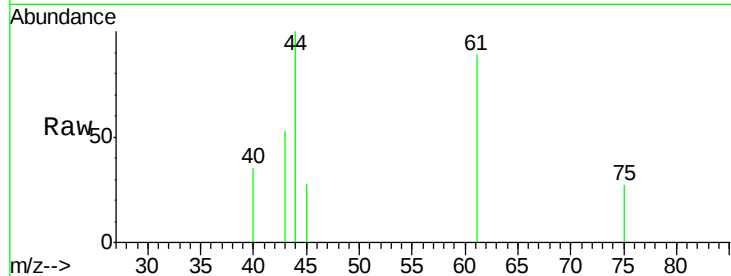
TB03-070318

Tgt Ion: 43 Resp: 617

Ion Ratio Lower Upper

43 100

72 0.0 18.5 27.7#



#29

Tetrahydrofuran

Concen: 0.627 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.02 min

Lab File: VX003621.D

Acq: 24 Jul 2018 00:02

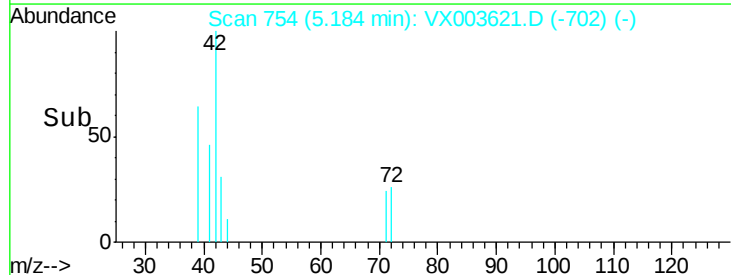
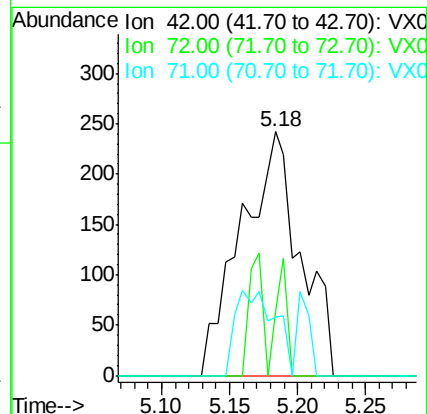
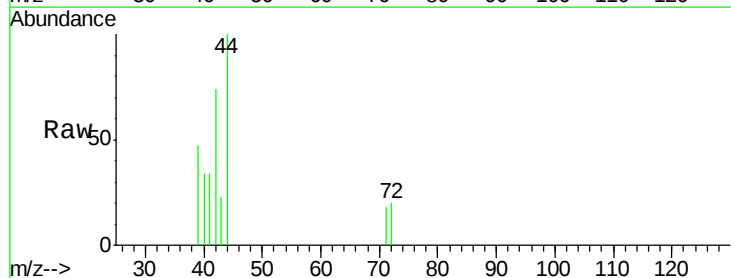
Tgt Ion: 42 Resp: 729

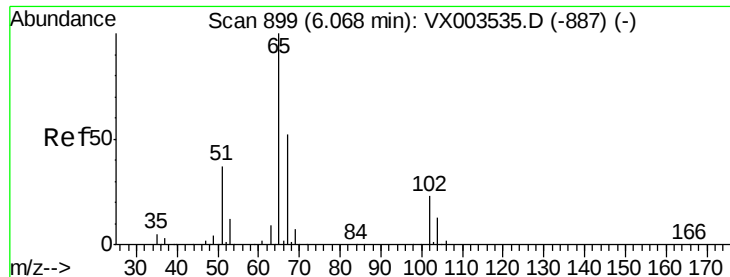
Ion Ratio Lower Upper

42 100

72 9.1 32.0 48.0#

71 7.1 30.1 45.1#





#33

1,2-Dichloroethane-d4

Concen: 47.455 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003621.D

Acq: 24 Jul 2018 00:02

Instrument :

MSVOA_X

ClientSampleId :

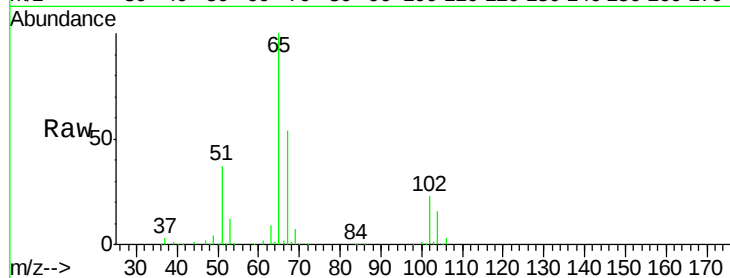
TB03-070318

Tgt Ion: 65 Resp: 131732

Ion Ratio Lower Upper

65 100

67 54.5 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

50000

40000

30000

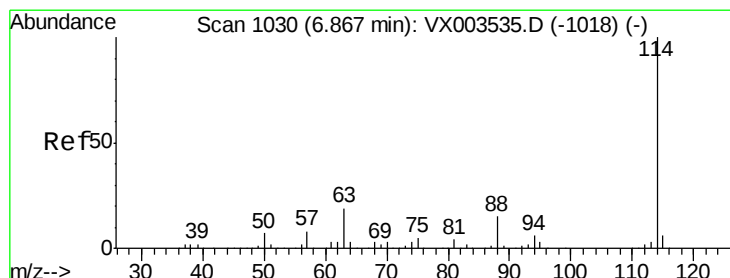
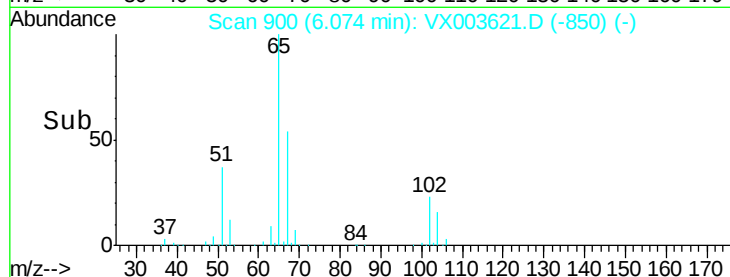
20000

10000

0

Time-->

6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003621.D

Acq: 24 Jul 2018 00:02

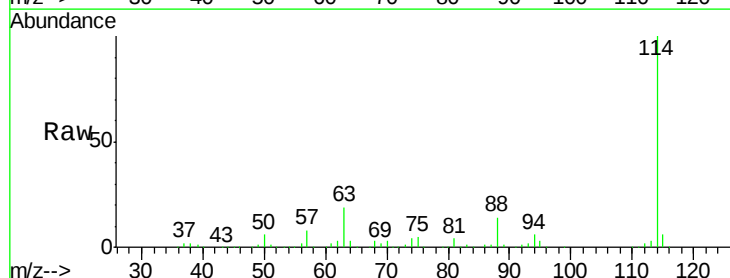
Tgt Ion: 114 Resp: 342191

Ion Ratio Lower Upper

114 100

63 18.6 0.0 41.4

88 14.4 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

200000

150000

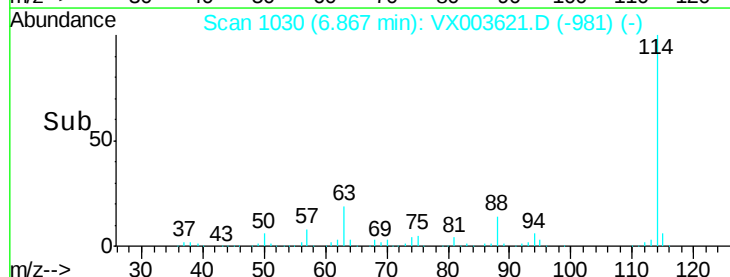
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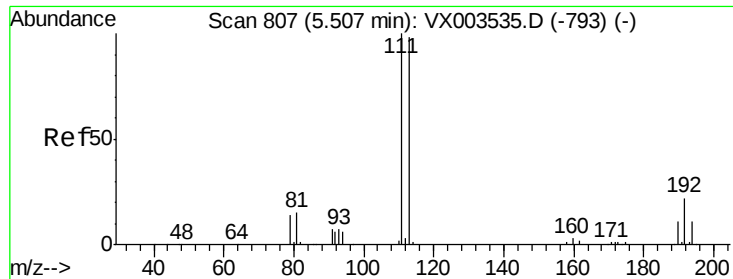
50000

0

Time-->

6.80 6.90 7.00

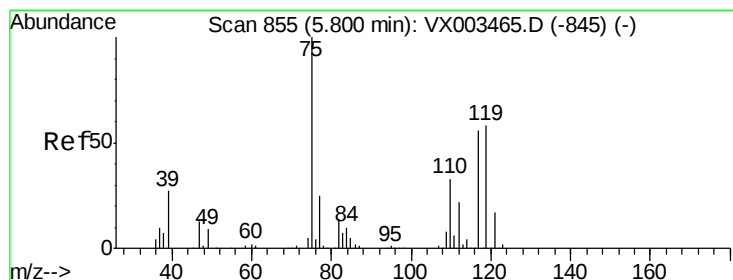
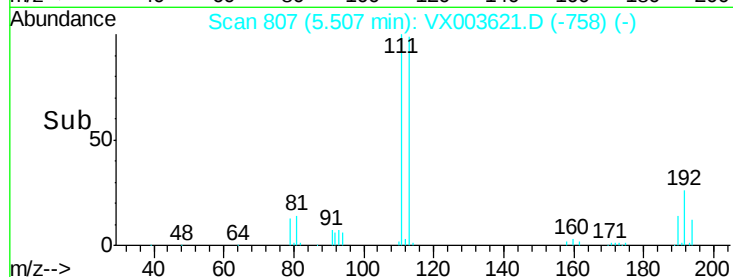
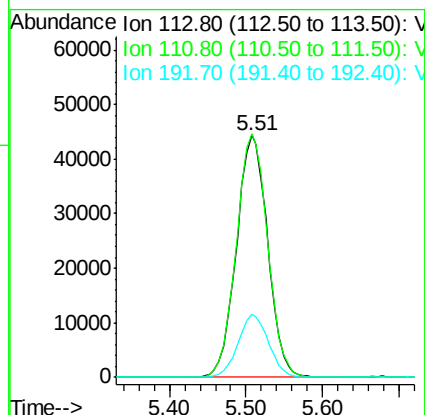
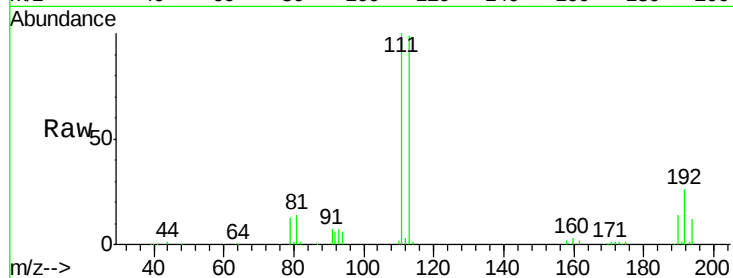




#35
 Dibromofluoromethane
 Concen: 48.052 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003621.D
 Acq: 24 Jul 2018 00:02

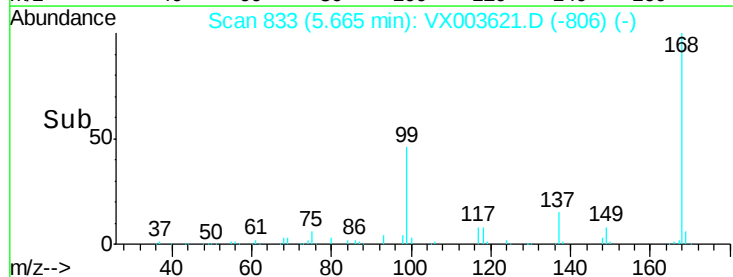
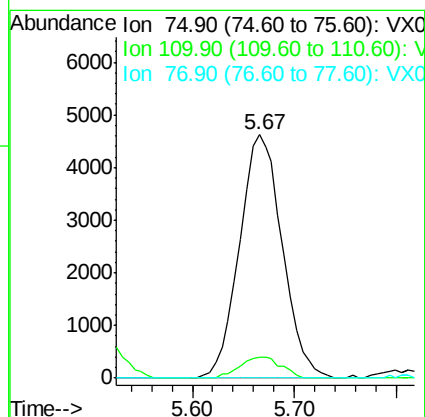
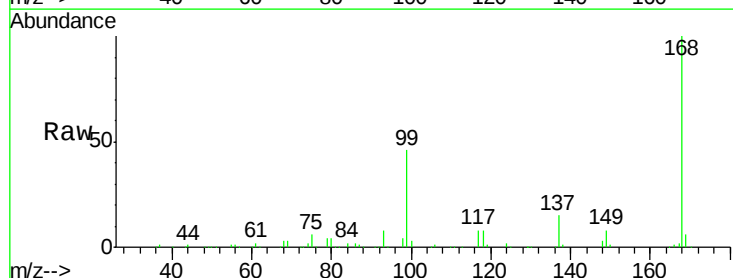
Instrument :
 MSVOA_X
 ClientSampleId :
 TB03-070318

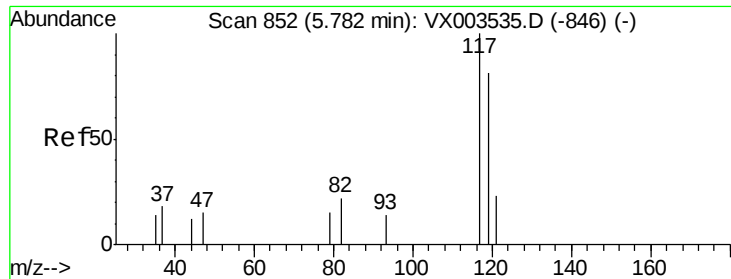
Tgt Ion:113 Resp: 125241
 Ion Ratio Lower Upper
 113 100
 111 101.2 81.4 122.0
 192 25.5 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 3.637 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX003621.D
 Acq: 24 Jul 2018 00:02

Tgt Ion: 75 Resp: 13437
 Ion Ratio Lower Upper
 75 100
 110 8.4 18.1 54.4#
 77 0.0 24.3 36.5#

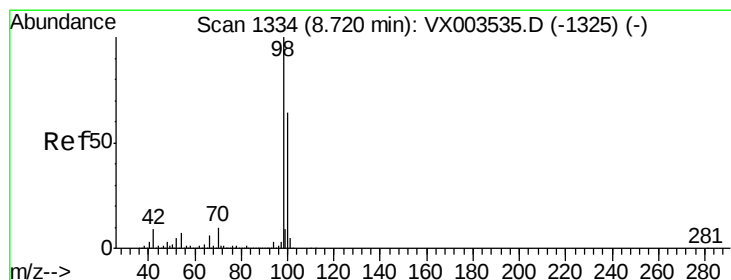
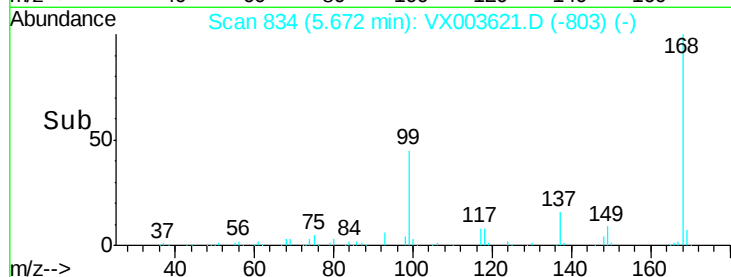
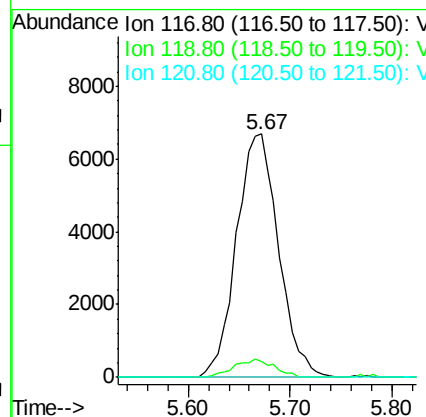
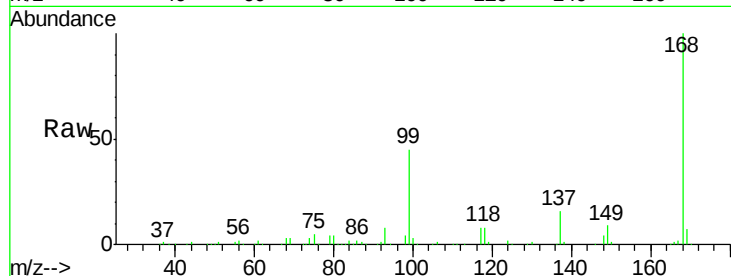




#38
Carbon Tetrachloride
Concen: 5.279 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.11 min
Lab File: VX003621.D
Acq: 24 Jul 2018 00:02

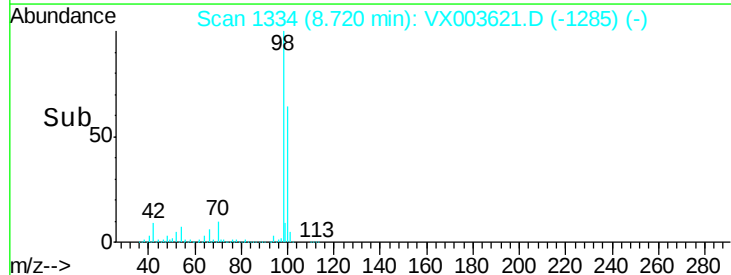
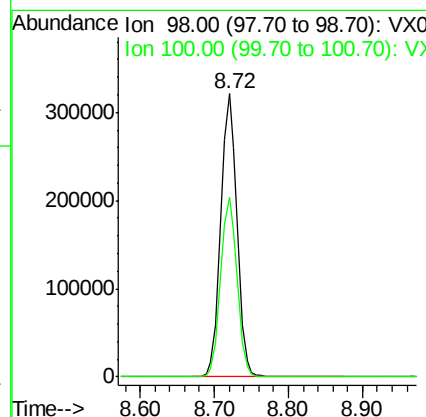
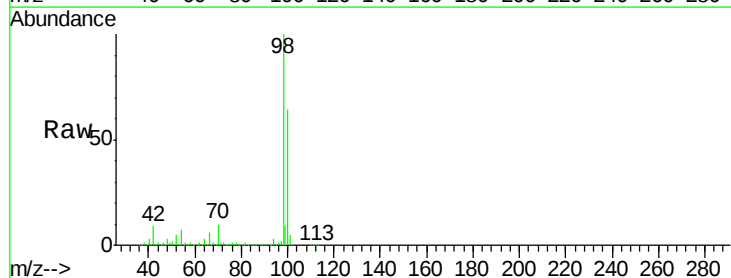
Instrument :
MSVOA_X
ClientSampleId :
TB03-070318

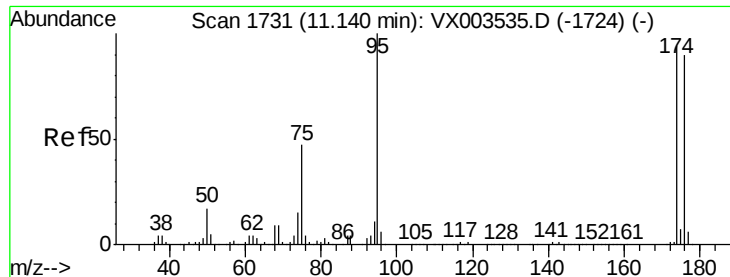
Tgt Ion:117 Resp: 19129
Ion Ratio Lower Upper
117 100
119 6.5 77.4 116.0#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 49.034 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003621.D
Acq: 24 Jul 2018 00:02

Tgt Ion: 98 Resp: 480358
Ion Ratio Lower Upper
98 100
100 64.1 50.9 76.3

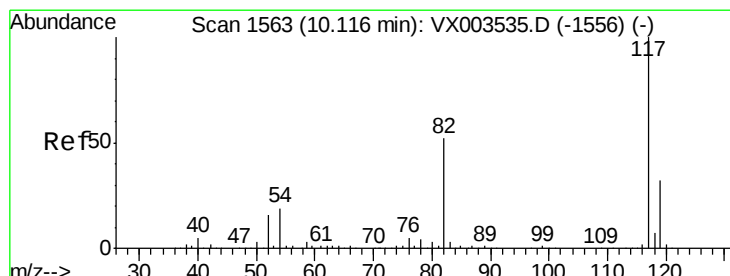
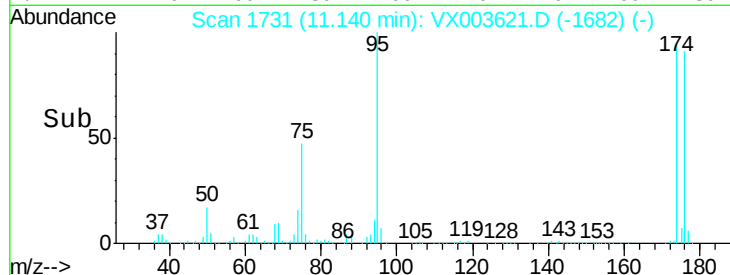
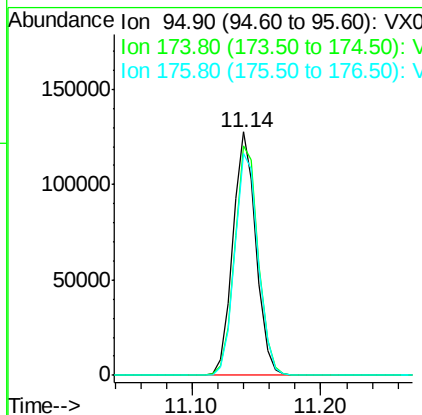
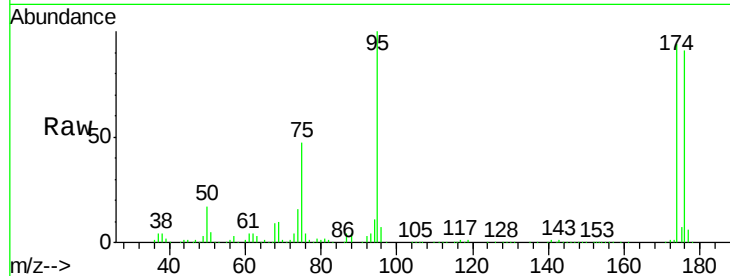




#62
4-Bromofluorobenzene
Concen: 44.640 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003621.D
Acq: 24 Jul 2018 00:02

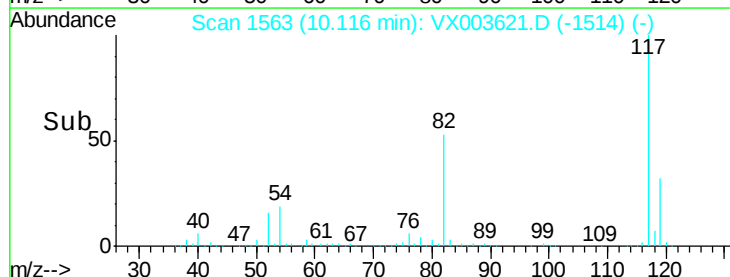
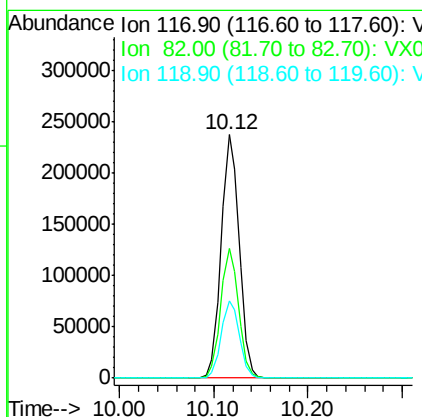
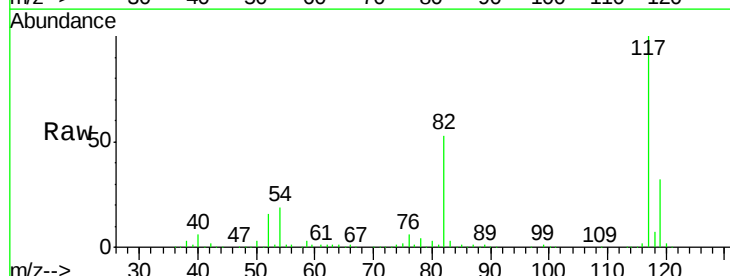
Instrument :
MSVOA_X
ClientSampleId :
TB03-070318

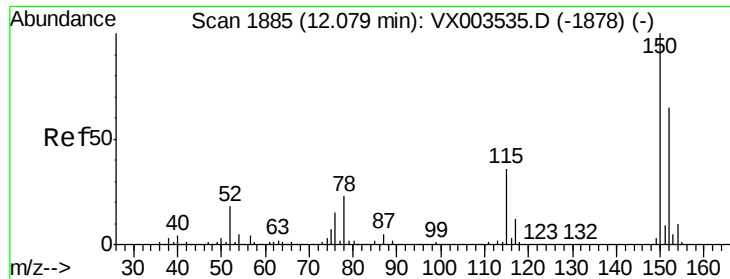
Tgt Ion: 95 Resp: 159590
Ion Ratio Lower Upper
95 100
174 96.6 0.0 187.4
176 93.3 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003621.D
Acq: 24 Jul 2018 00:02

Tgt Ion: 117 Resp: 315840
Ion Ratio Lower Upper
117 100
82 53.0 45.0 67.4
119 31.8 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003621.D

Acq: 24 Jul 2018 00:02

Instrument :

MSVOA_X

ClientSampleId :

TB03-070318

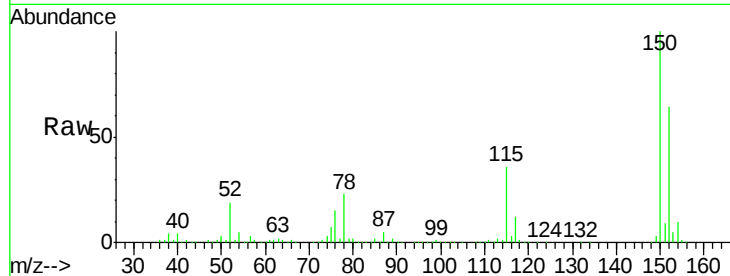
Tgt Ion:152 Resp: 169961

Ion Ratio Lower Upper

152 100

115 54.5 40.1 120.2

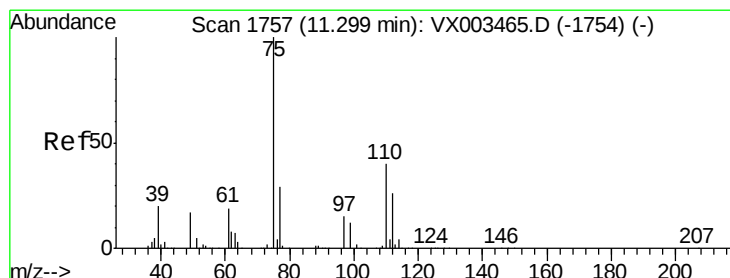
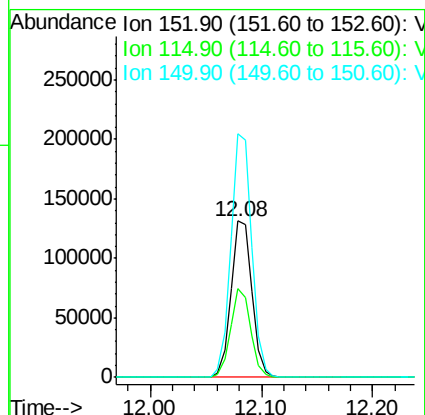
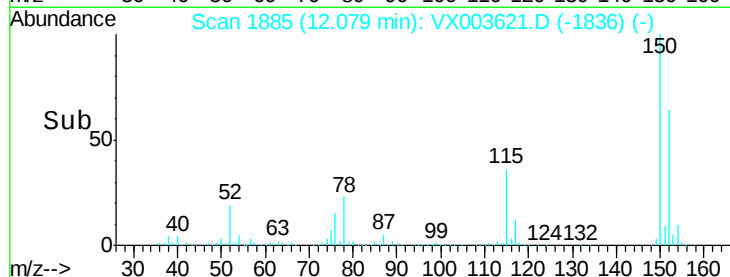
150 156.1 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 24.779 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003621.D

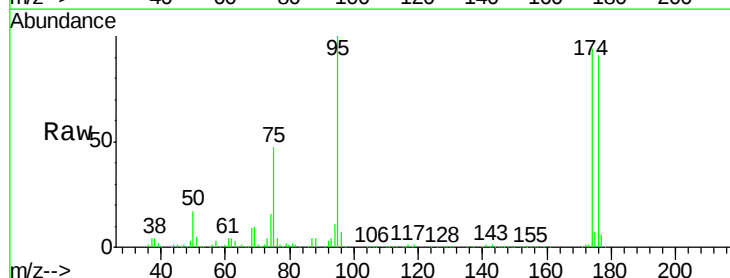
Acq: 24 Jul 2018 00:02

Tgt Ion: 75 Resp: 75659

Ion Ratio Lower Upper

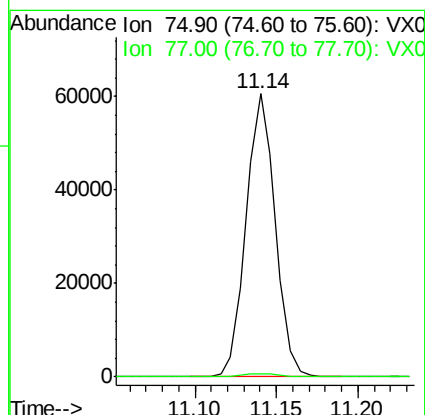
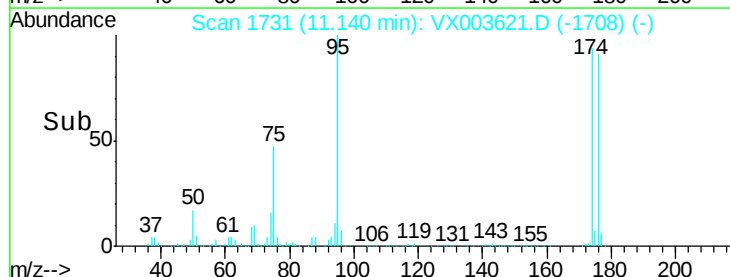
75 100

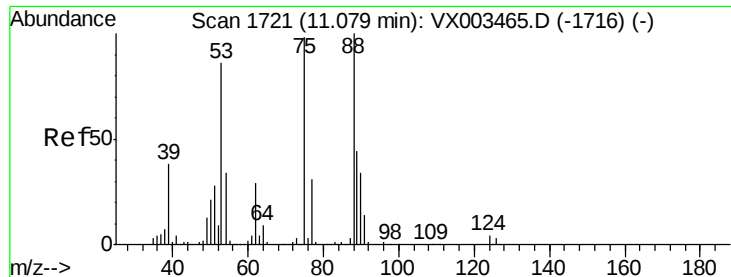
77 1.3 22.8 68.3#



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: 69.412 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003621.D

Acq: 24 Jul 2018 00:02

Instrument :

MSVOA_X

ClientSampleId :

TB03-070318

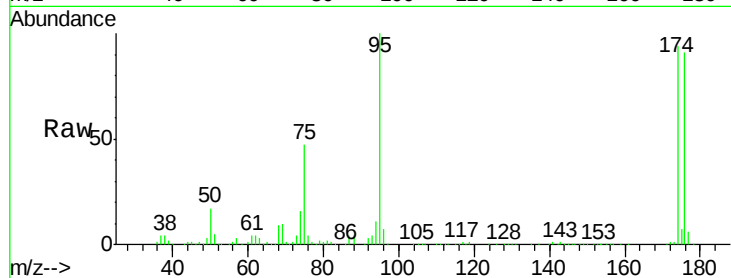
Tgt Ion: 75 Resp: 75659

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

89 0.0 38.2 57.2#



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

