

Data File : VX001293.D

Acq On : 01 May 2018 22:59

Operator : JC/MD

Sample : PB108752TBZHE#01

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 26 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

PB108752TBZHE#01

Quant Time: May 02 02:10:04 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M

Quant Title : SW846 8260

QLast Update : Wed May 02 01:48:25 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	168204	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	227396	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	206196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	114617	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	103674	44.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.06%	
35) Dibromofluoromethane	5.51	113	85488	43.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.28%	
50) Toluene-d8	8.72	98	319809	45.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.38%	
62) 4-Bromofluorobenzene	11.14	95	105783	37.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.58%	

Target Compounds

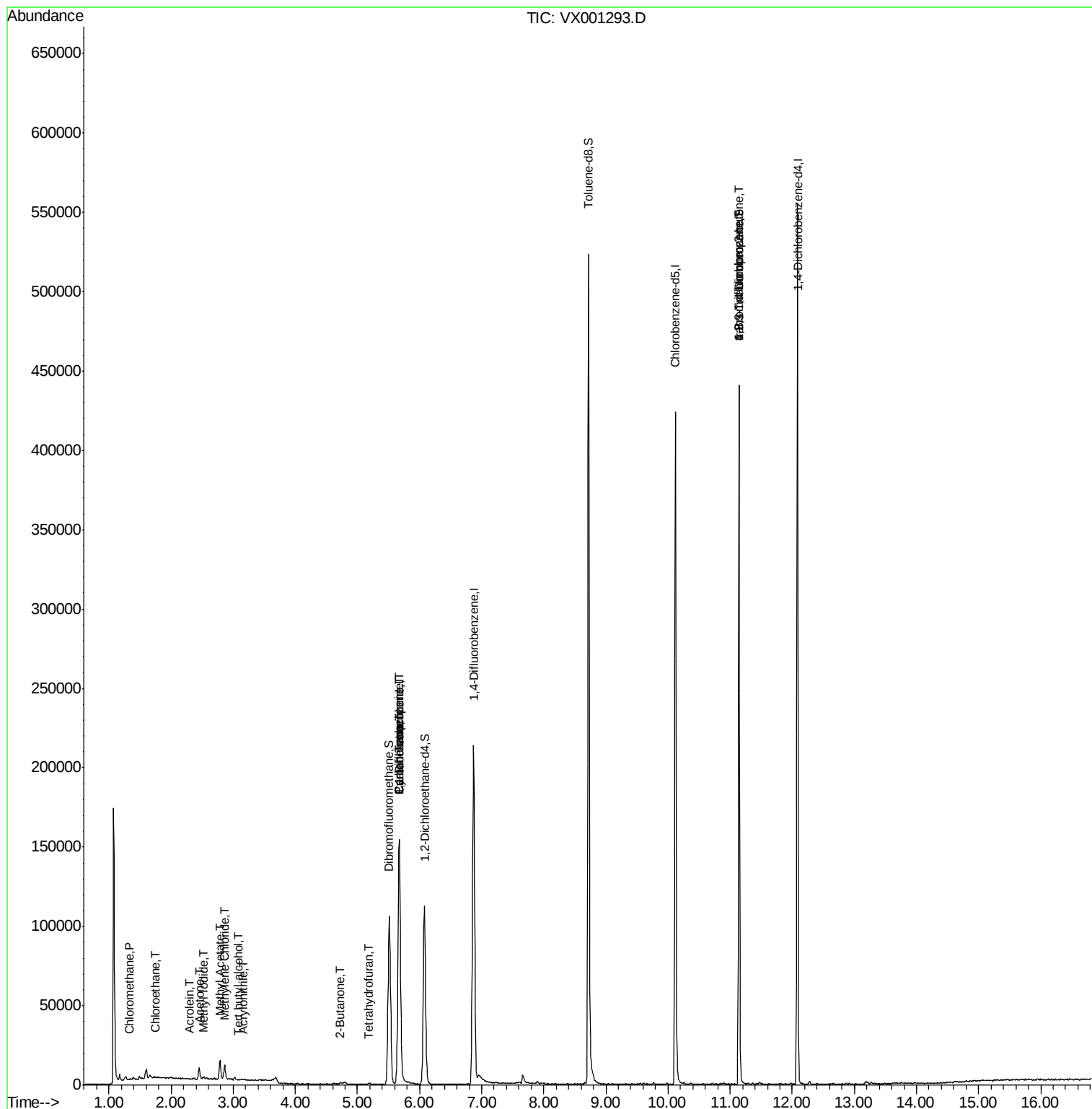
						Qvalue
3) Chloromethane	1.32	50	424	0.23	ug/l	93
5) Bromomethane	1.66	94	1019	Below	Cal	95
6) Chloroethane	1.74	64	667	0.55	ug/l #	86
10) Methyl Iodide	2.53	142	1617	5.05	ug/l	98
11) Tert butyl alcohol	3.07	59	112	0.28	ug/l #	1
13) Acrolein	2.29	56	71	0.31	ug/l #	1
15) Acrylonitrile	3.15	53	202	0.22	ug/l #	20
16) Acetone	2.45	43	7949	8.00	ug/l	96
18) Methyl Acetate	2.78	43	14623	6.23	ug/l	99
20) Methylene Chloride	2.86	84	4118	0.73	ug/l	93
25) 2-Butanone	4.72	43	858	0.64	ug/l	91
29) Tetrahydrofuran	5.17	42	235	0.28	ug/l #	78
31) Cyclohexane	5.67	56	3084	1.08	ug/l #	21
36) 1,1-Dichloropropene	5.67	75	10257	3.91	ug/l #	51
38) Carbon Tetrachloride	5.67	117	14550	5.29	ug/l #	17
76) 1,2,3-Trichloropropane	11.14	75	54300	25.62	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	54300	80.49	ug/l #	6

(#)=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

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Instrument :

MSVOA_X

ClientSampleId :

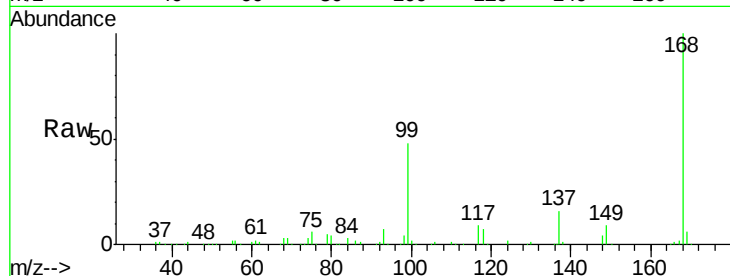
PB108752TBZHE#01

Tgt Ion:168 Resp: 168204

Ion Ratio Lower Upper

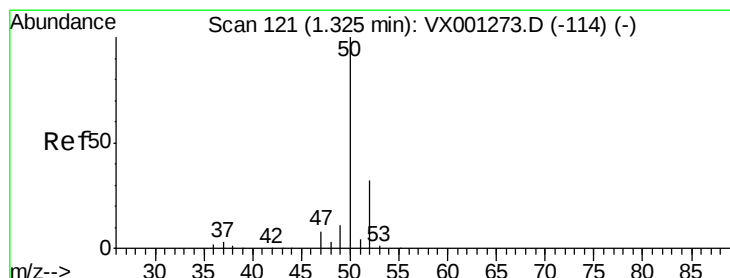
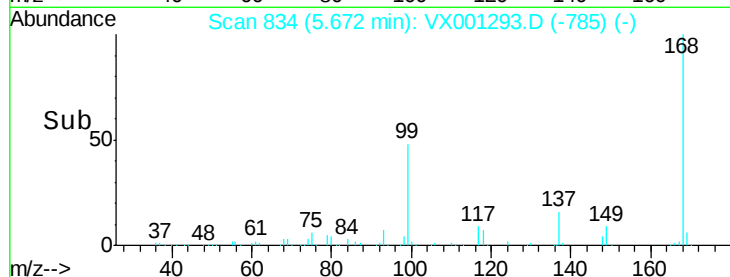
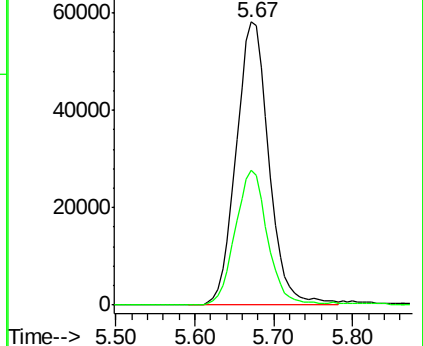
168 100

99 47.6 36.5 54.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.23 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001293.D

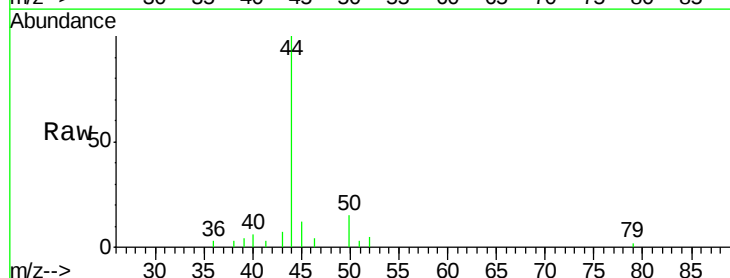
Acq: 01 May 2018 22:59

Tgt Ion: 50 Resp: 424

Ion Ratio Lower Upper

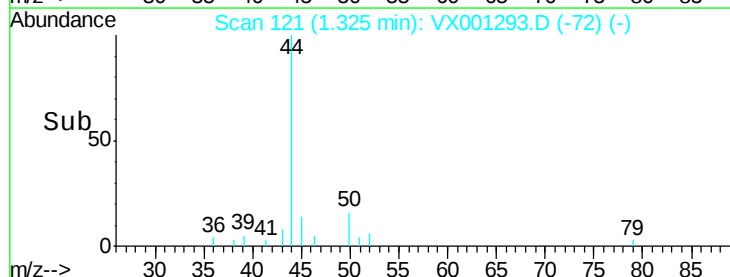
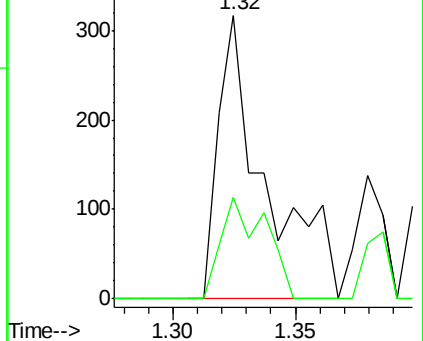
50 100

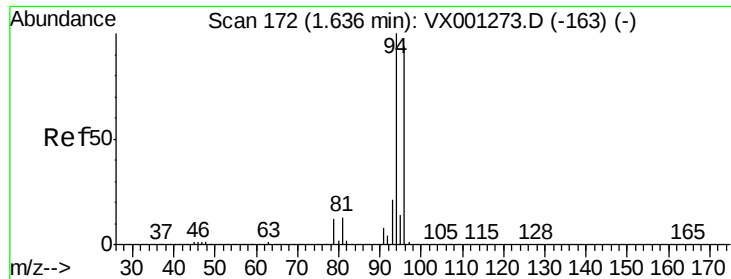
52 36.0 25.7 38.5



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: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX001293.D

Acq: 01 May 2018 22:59

Instrument :

MSVOA_X

ClientSampleId :

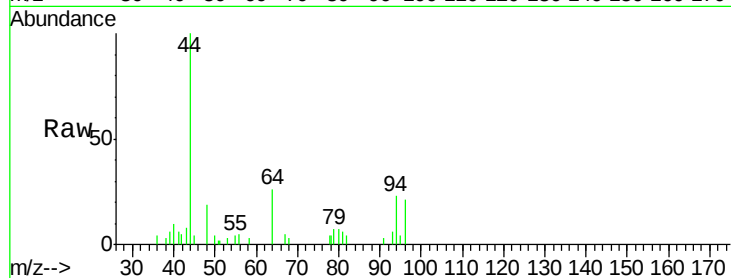
PB108752TBZHE#01

Tgt Ion: 94 Resp: 1019

Ion Ratio Lower Upper

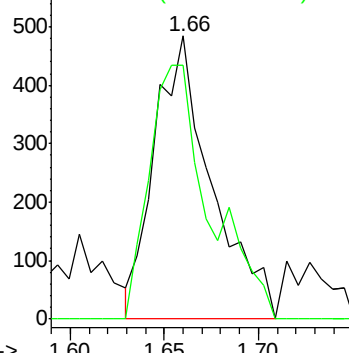
94 100

96 89.9 75.6 113.4

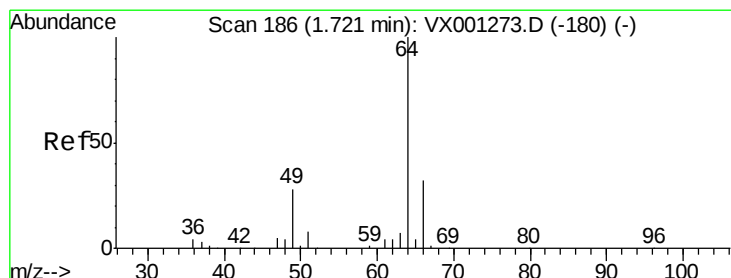
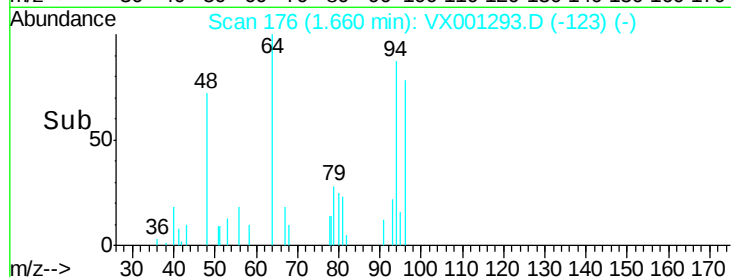


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 0.55 ug/l

RT: 1.74 min Scan# 189

Delta R.T. 0.02 min

Lab File: VX001293.D

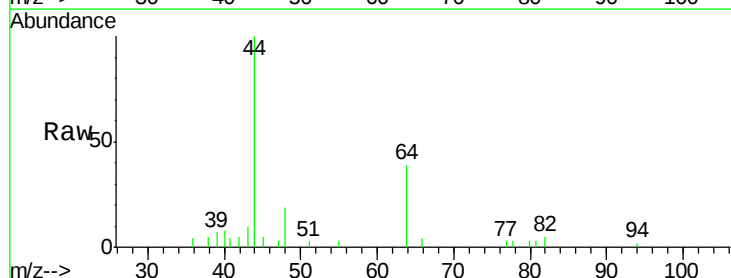
Acq: 01 May 2018 22:59

Tgt Ion: 64 Resp: 667

Ion Ratio Lower Upper

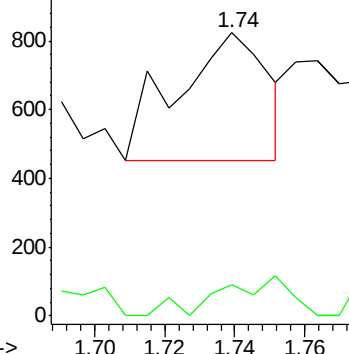
64 100

66 24.3 25.7 38.5#

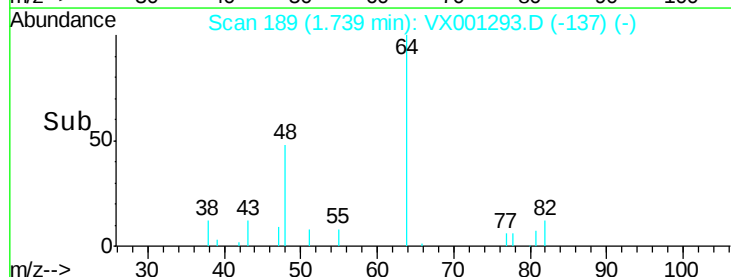


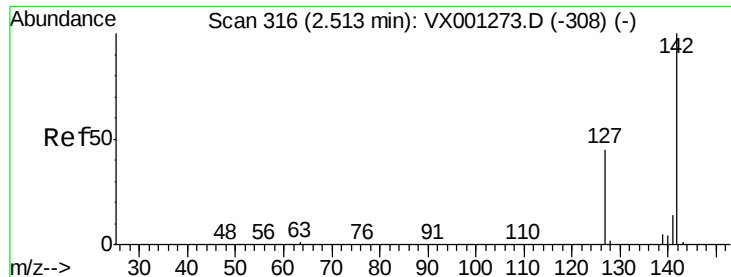
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->

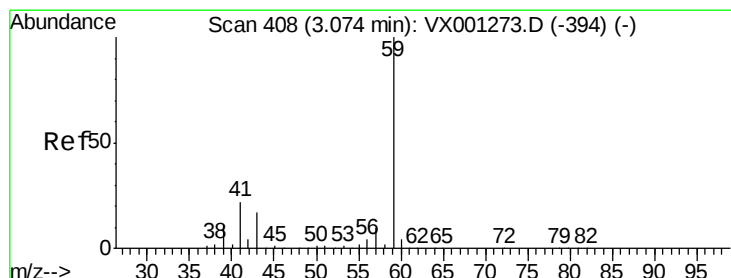
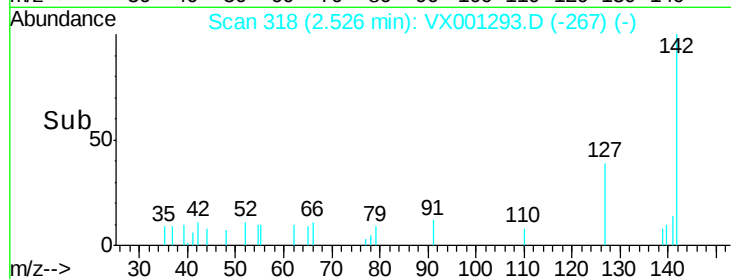
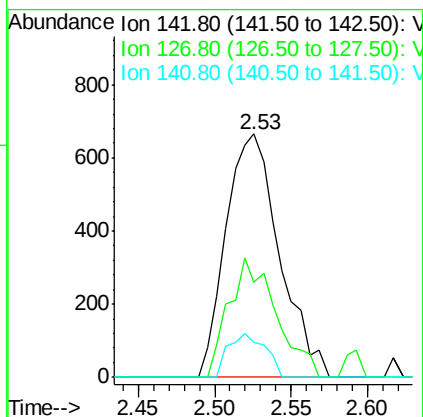
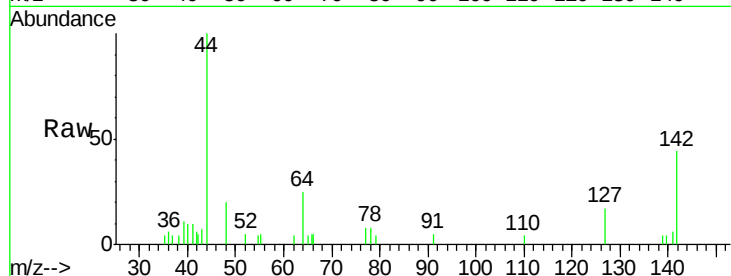




#10
Methyl Iodide
Concen: 5.05 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX001293.D
Acq: 01 May 2018 22:59

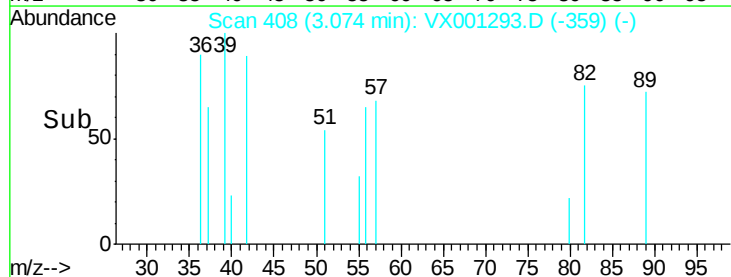
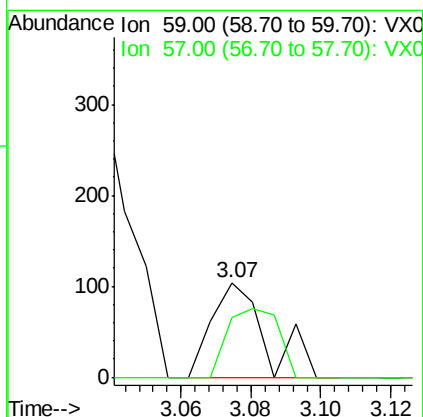
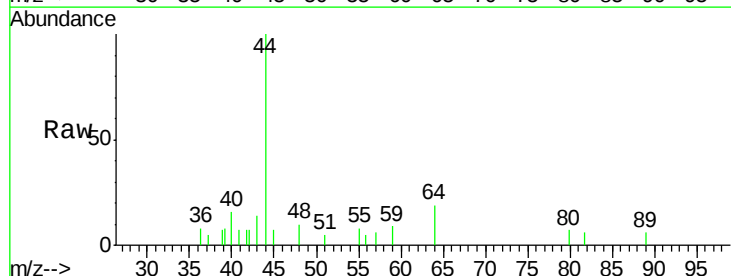
Instrument :
MSVOA_X
ClientSampleId :
PB108752TBZHE#01

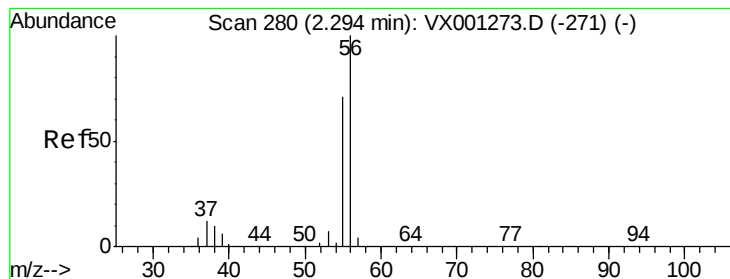
Tgt Ion: 142 Resp: 1617
Ion Ratio Lower Upper
142 100
127 43.4 35.7 53.5
141 12.4 11.4 17.0



#11
Tert butyl alcohol
Concen: 0.28 ug/l
RT: 3.07 min Scan# 408
Delta R.T. 0.00 min
Lab File: VX001293.D
Acq: 01 May 2018 22:59

Tgt Ion: 59 Resp: 112
Ion Ratio Lower Upper
59 100
57 68.8 8.6 12.8#





#13

Acrolein

Concen: 0.31 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX001293.D

Acq: 01 May 2018 22:59

Instrument :

MSVOA_X

ClientSampleId :

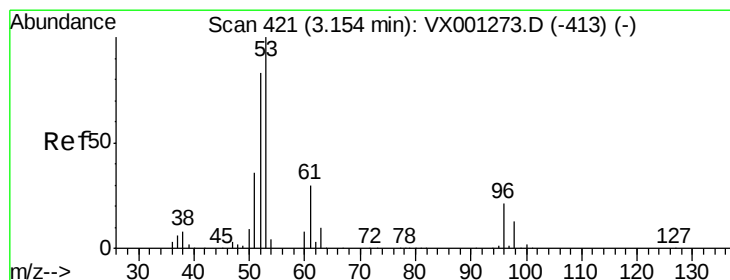
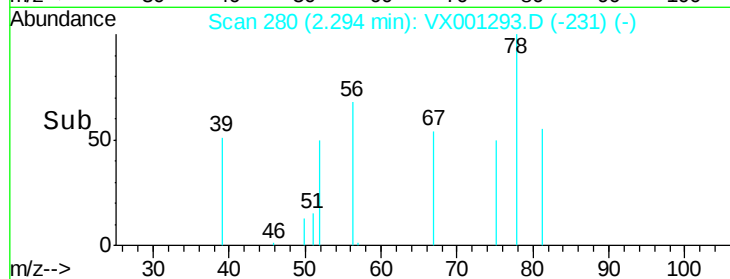
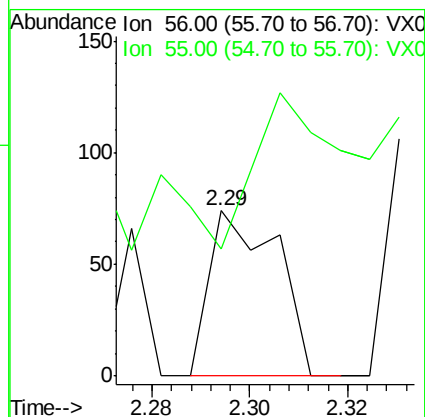
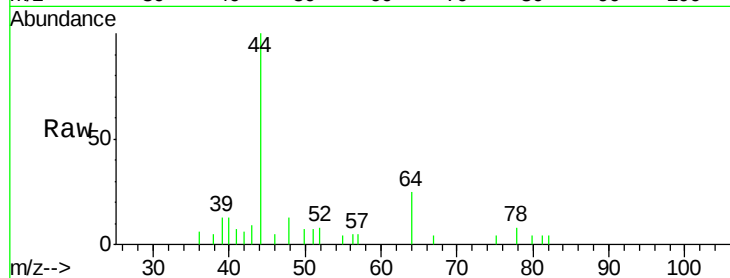
PB108752TBZHE#01

Tgt Ion: 56 Resp: 71

Ion Ratio Lower Upper

56 100

55 369.0 57.2 85.8#



#15

Acrylonitrile

Concen: 0.22 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX001293.D

Acq: 01 May 2018 22:59

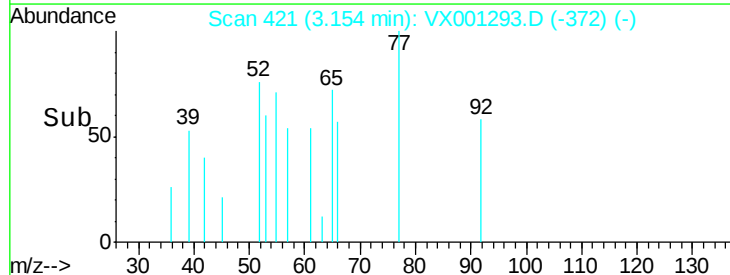
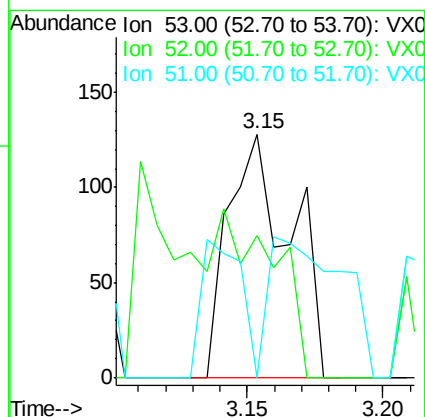
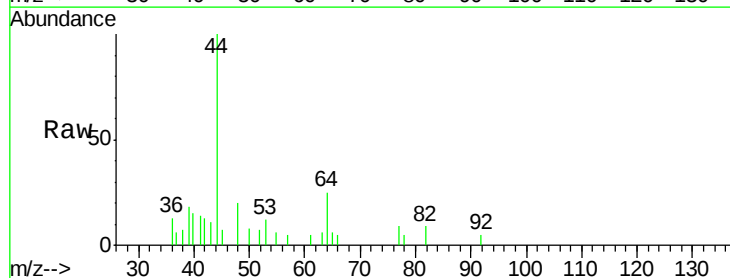
Tgt Ion: 53 Resp: 202

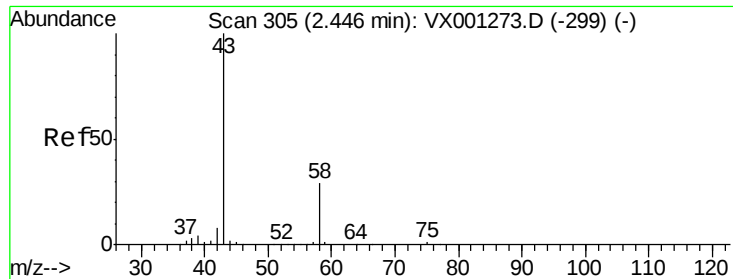
Ion Ratio Lower Upper

53 100

52 0.0 67.0 100.4#

51 68.3 29.9 44.9#





#16

Acetone

Concen: 8.00 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001293.D

Acq: 01 May 2018 22:59

Instrument :

MSVOA_X

ClientSampleId :

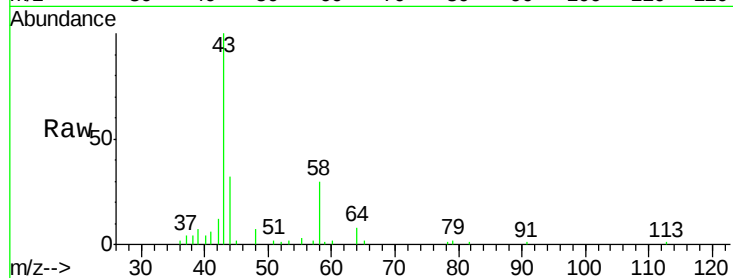
PB108752TBZHE#01

Tgt Ion: 43 Resp: 7949

Ion Ratio Lower Upper

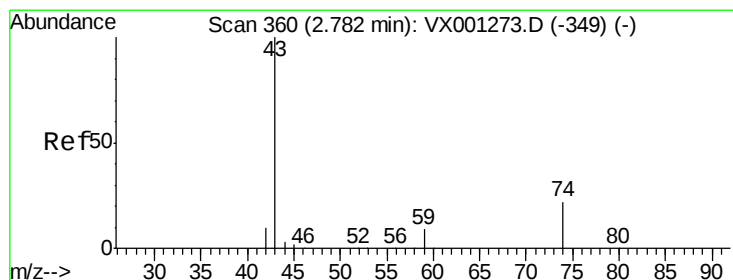
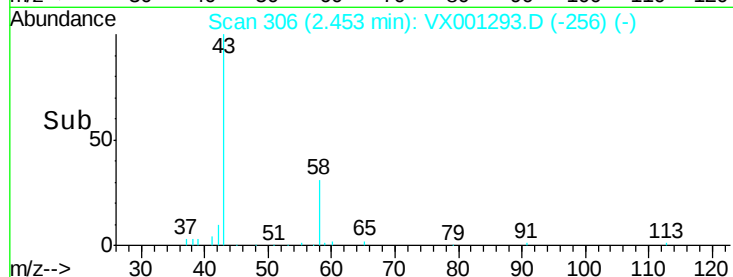
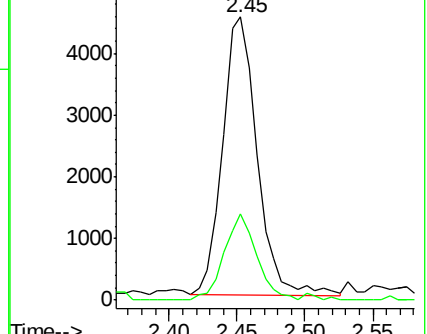
43 100

58 30.9 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 6.23 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001293.D

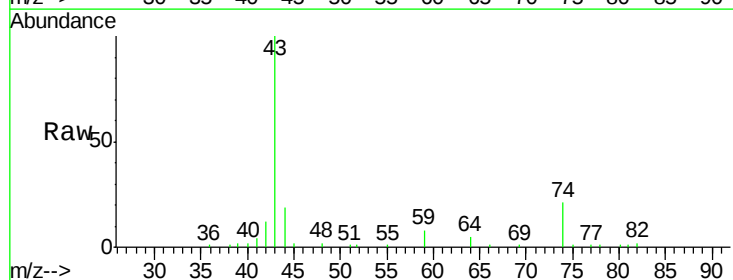
Acq: 01 May 2018 22:59

Tgt Ion: 43 Resp: 14623

Ion Ratio Lower Upper

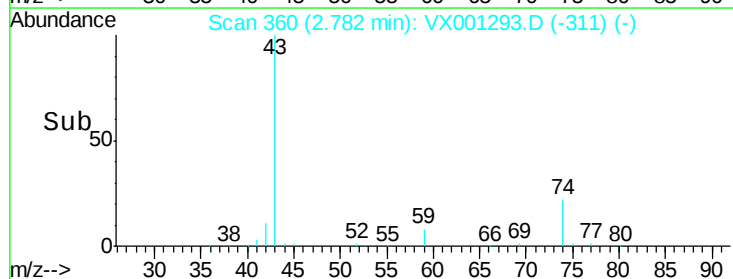
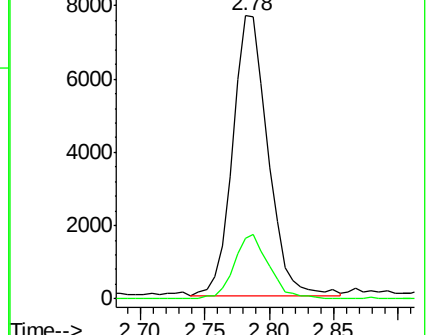
43 100

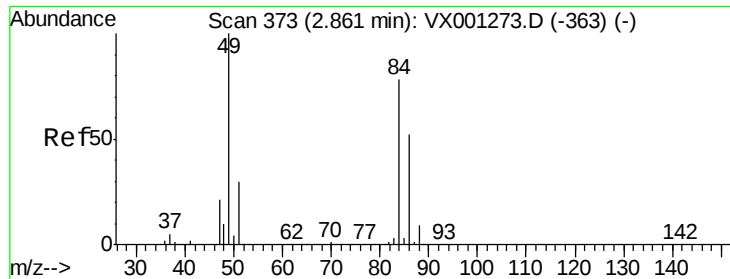
74 22.6 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

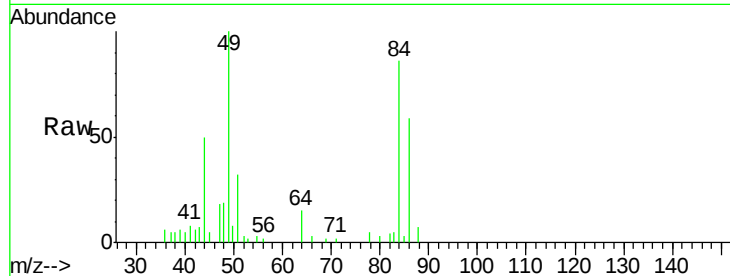




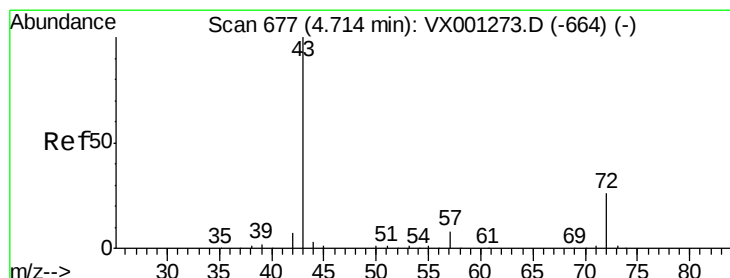
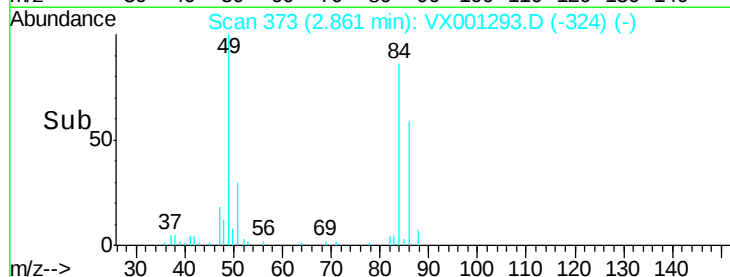
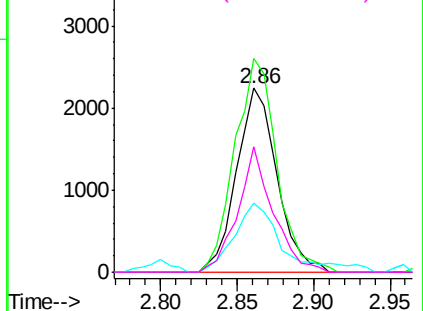
#20
Methylene Chloride
Concen: 0.73 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001293.D
Acq: 01 May 2018 22:59

Instrument :
MSVOA_X
ClientSampleId :
PB108752TBZHE#01

Tgt Ion: 84 Resp: 4118
Ion Ratio Lower Upper
84 100
49 115.9 102.8 154.2
51 37.3 30.9 46.3
86 68.0 53.0 79.4

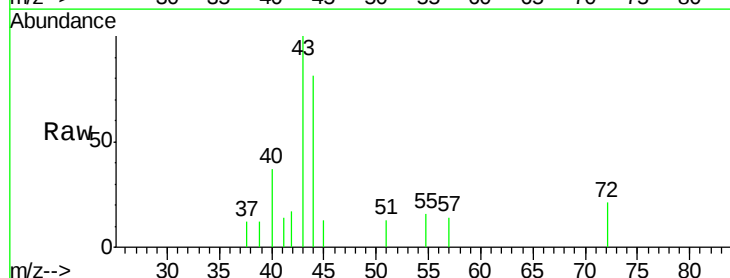


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

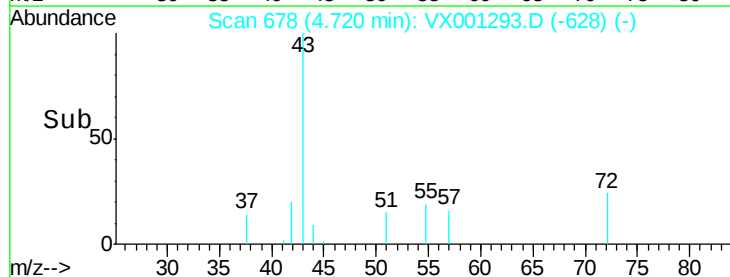
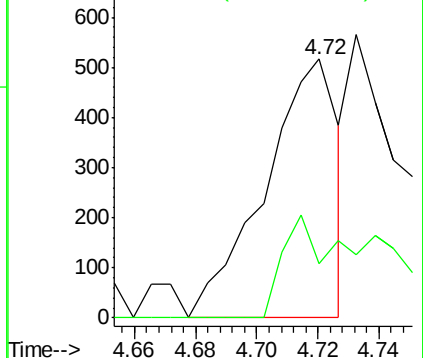


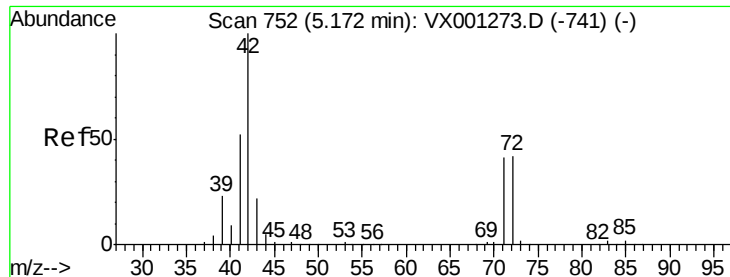
#25
2-Butanone
Concen: 0.64 ug/l
RT: 4.72 min Scan# 678
Delta R.T. 0.01 min
Lab File: VX001293.D
Acq: 01 May 2018 22:59

Tgt Ion: 43 Resp: 858
Ion Ratio Lower Upper
43 100
72 21.1 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.28 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX001293.D

Acq: 01 May 2018 22:59

Instrument :

MSVOA_X

ClientSampleId :

PB108752TBZHE#01

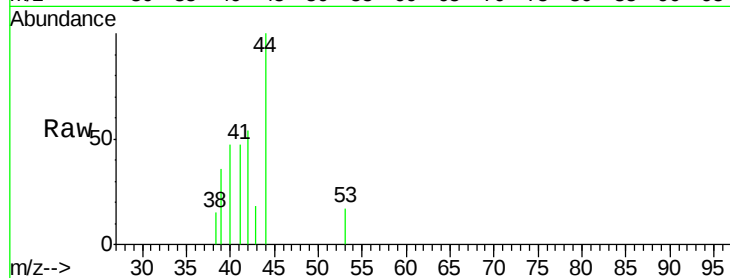
Tgt Ion: 42 Resp: 235

Ion Ratio Lower Upper

42 100

72 28.1 34.6 52.0#

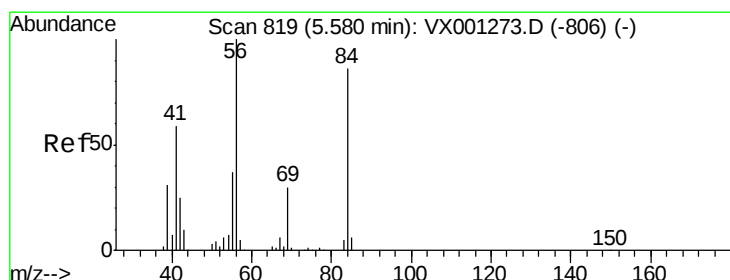
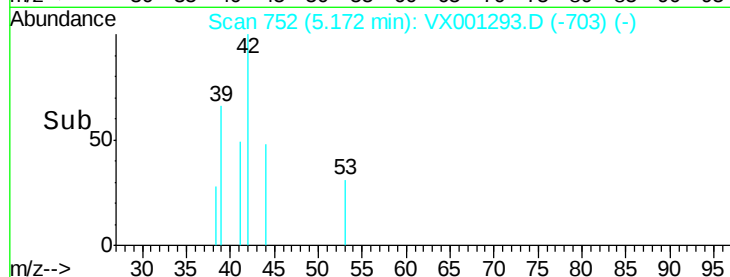
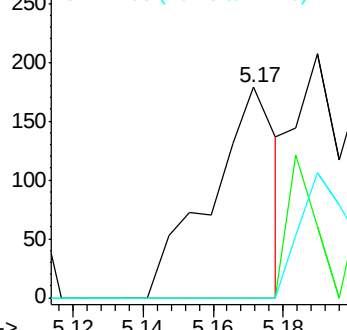
71 53.6 32.7 49.1#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.08 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001293.D

Acq: 01 May 2018 22:59

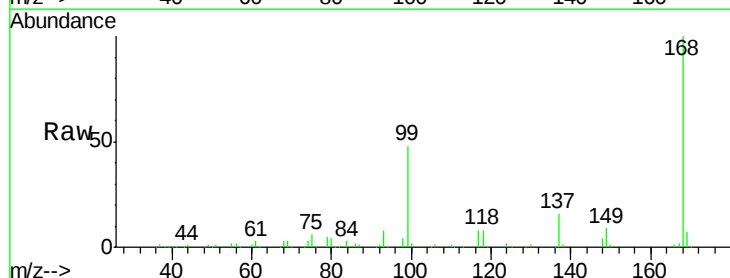
Tgt Ion: 56 Resp: 3084

Ion Ratio Lower Upper

56 100

69 133.5 24.0 36.0#

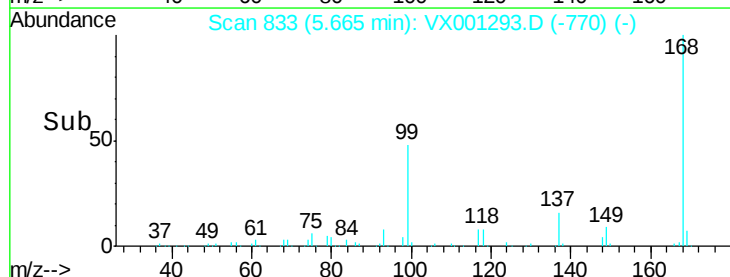
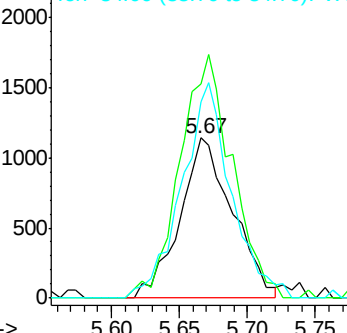
84 122.7 69.0 103.4#

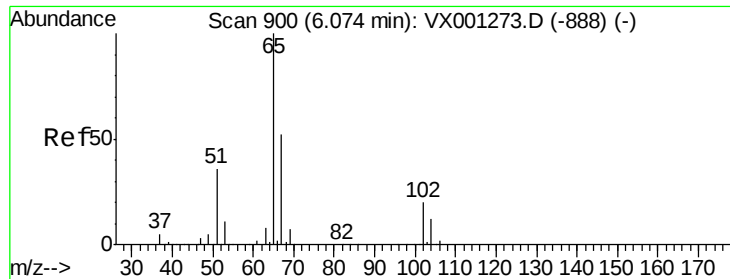


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

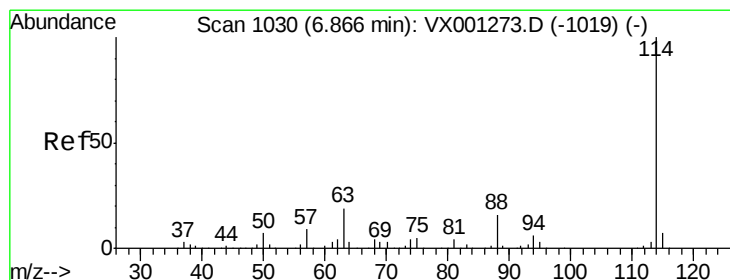
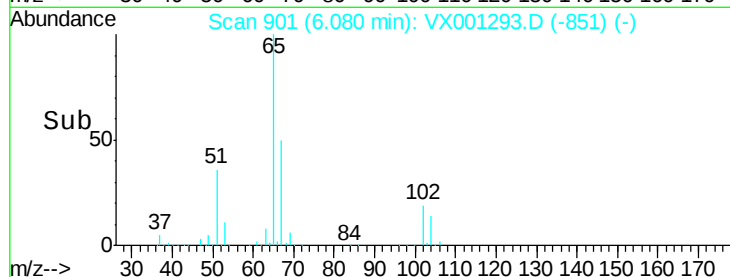
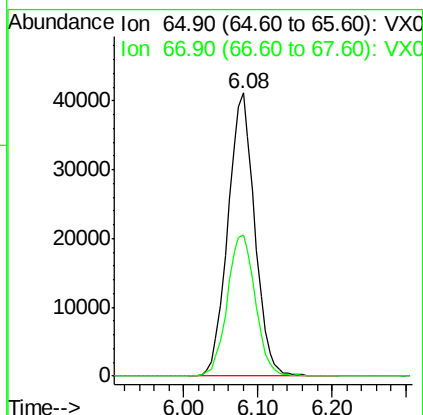
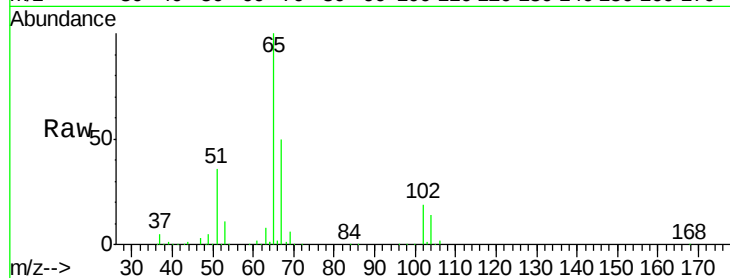




#33
 1,2-Dichloroethane-d4
 Concen: 44.53 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX001293.D
 Acq: 01 May 2018 22:59

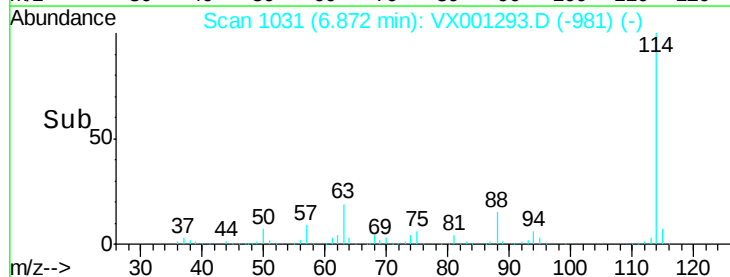
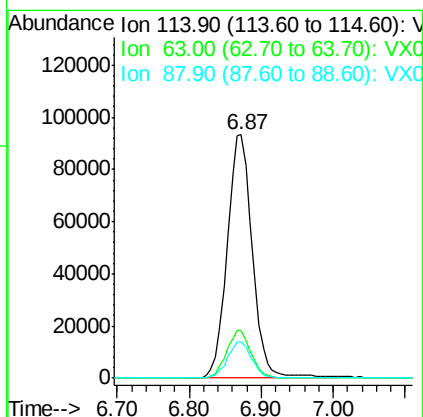
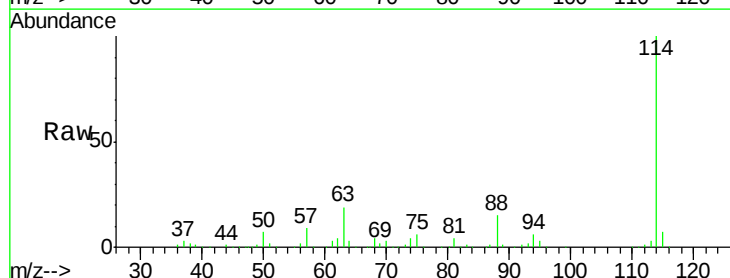
Instrument :
 MSVOA_X
 ClientSampleId :
 PB108752TBZHE#01

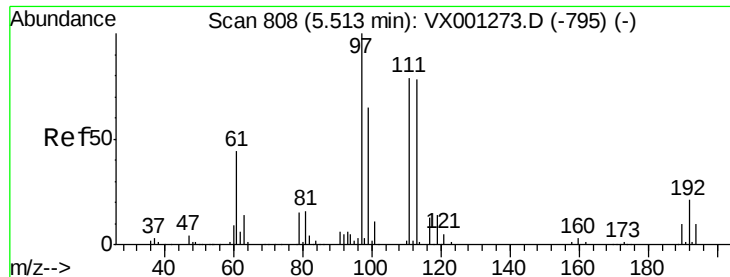
Tgt Ion: 65 Resp: 103674
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001293.D
 Acq: 01 May 2018 22:59

Tgt Ion: 114 Resp: 227396
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.8
 88 14.7 0.0 32.2

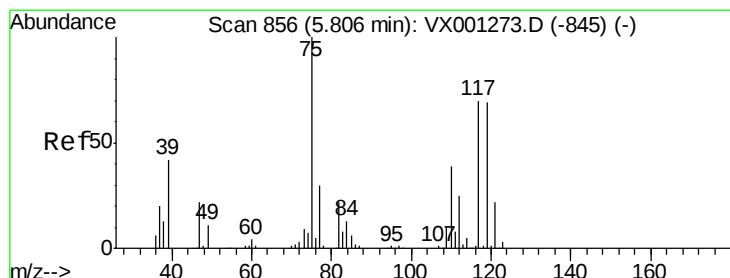
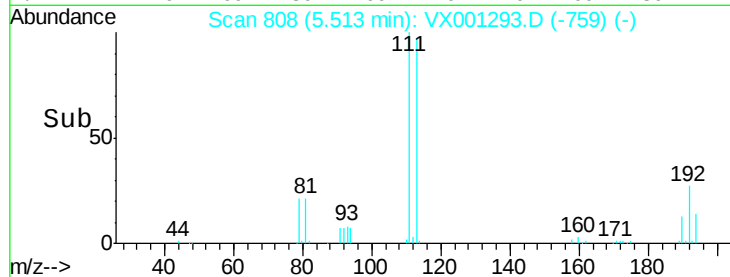
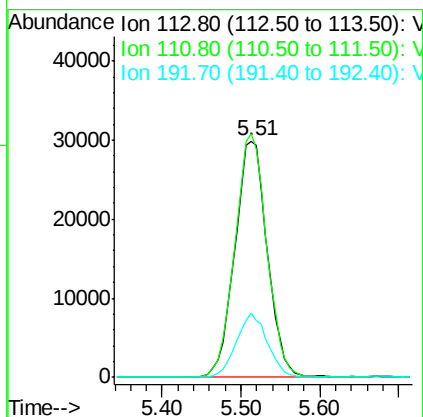
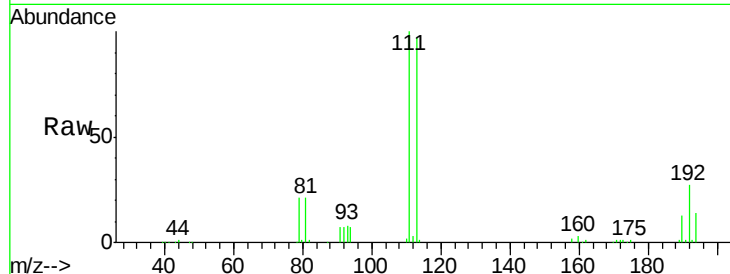




#35
 Dibromofluoromethane
 Concen: 43.64 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX001293.D
 Acq: 01 May 2018 22:59

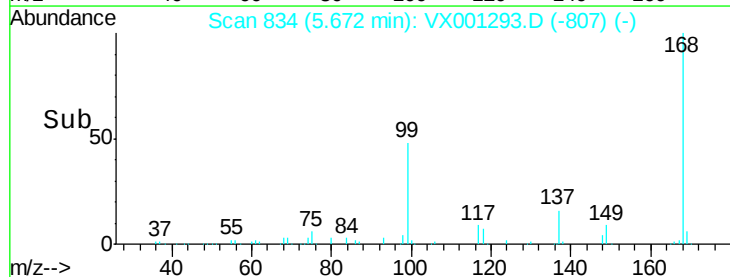
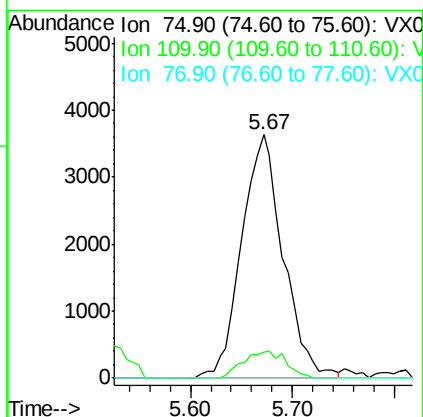
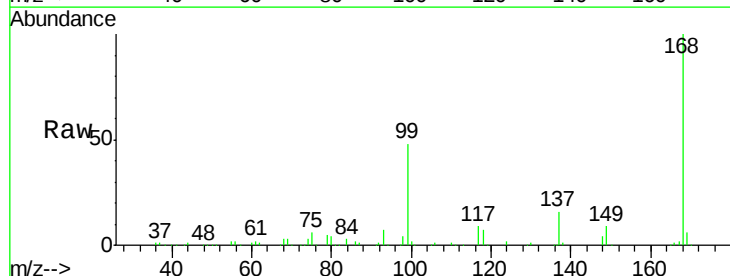
Instrument :
 MSVOA_X
 ClientSampleId :
 PB108752TBZHE#01

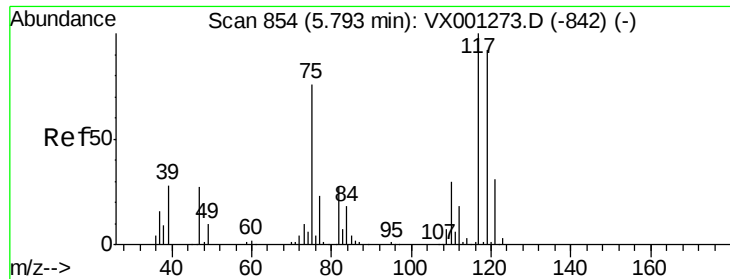
Tgt Ion:113 Resp: 85488
 Ion Ratio Lower Upper
 113 100
 111 101.3 81.2 121.8
 192 25.9 20.7 31.1



#36
 1,1-Dichloropropene
 Concen: 3.91 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001293.D
 Acq: 01 May 2018 22:59

Tgt Ion: 75 Resp: 10257
 Ion Ratio Lower Upper
 75 100
 110 11.6 18.9 56.9#
 77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 5.29 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001293.D

Acq: 01 May 2018 22:59

Instrument :

MSVOA_X

ClientSampleId :

PB108752TBZHE#01

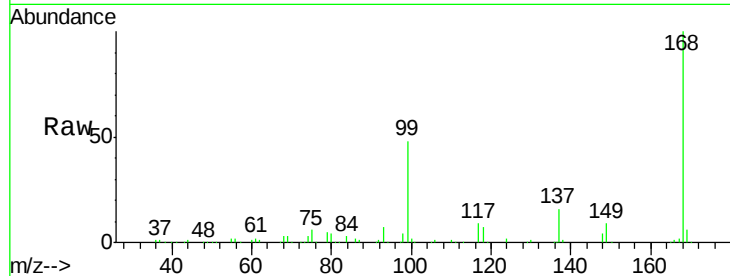
Tgt Ion:117 Resp: 14550

Ion Ratio Lower Upper

117 100

119 4.6 73.4 110.2#

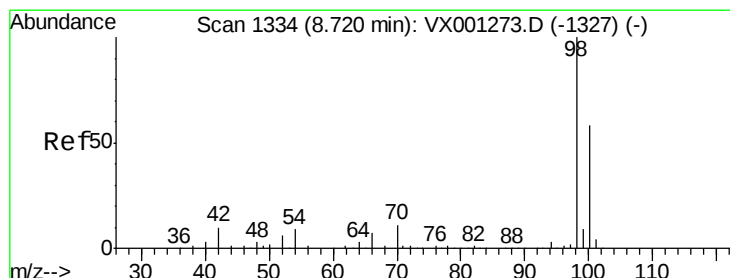
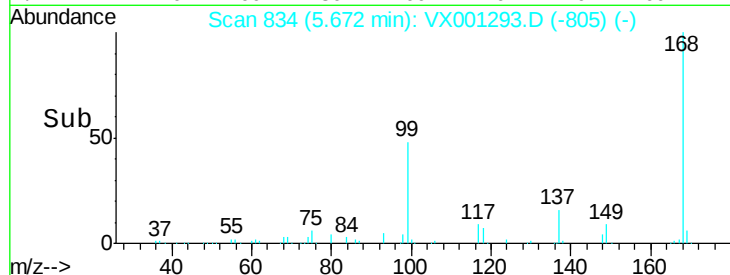
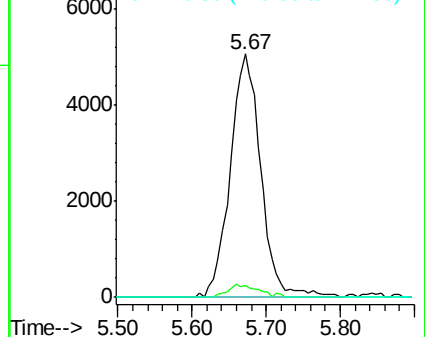
121 0.0 25.0 37.4#



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: 45.69 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001293.D

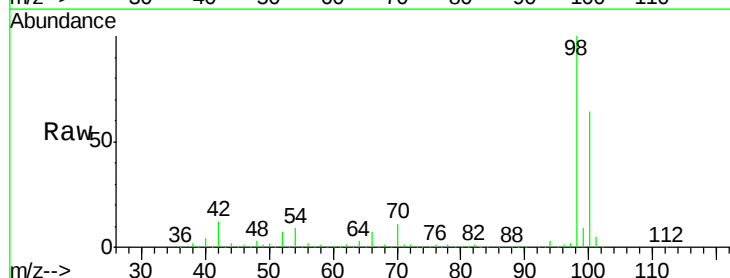
Acq: 01 May 2018 22:59

Tgt Ion: 98 Resp: 319809

Ion Ratio Lower Upper

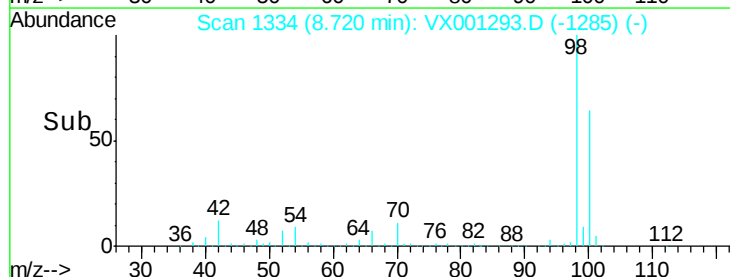
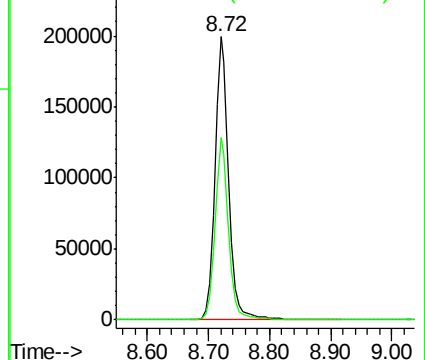
98 100

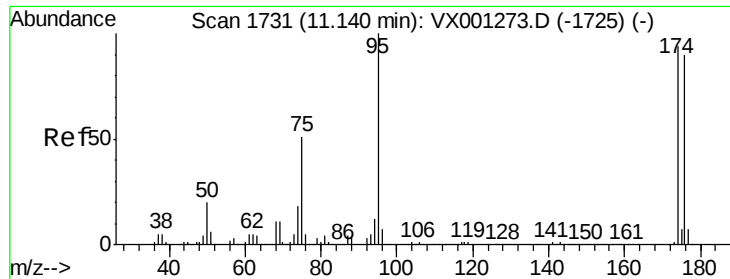
100 63.6 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

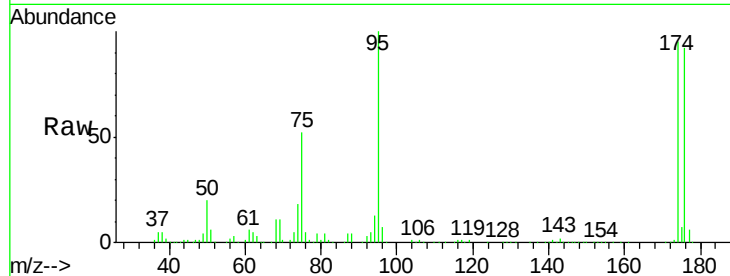




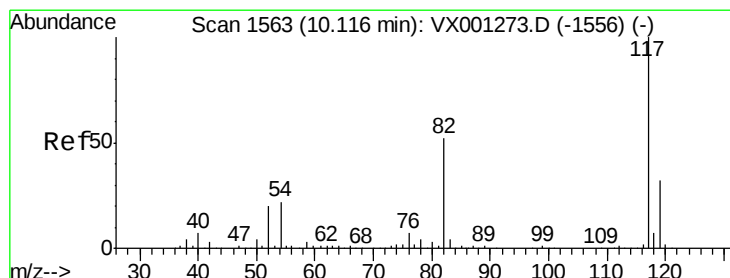
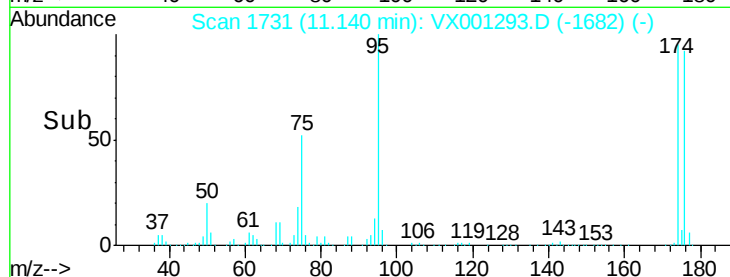
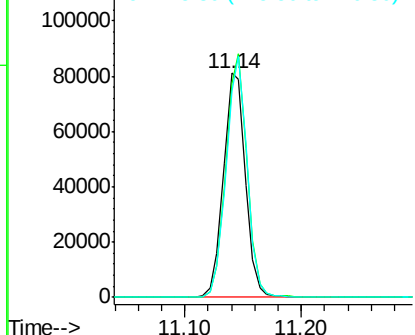
#62
4-Bromofluorobenzene
Concen: 37.79 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001293.D
Acq: 01 May 2018 22:59

Instrument :
MSVOA_X
ClientSampleId :
PB108752TBZHE#01

Tgt Ion: 95 Resp: 105783
Ion Ratio Lower Upper
95 100
174 104.5 0.0 201.8
176 102.4 0.0 197.2

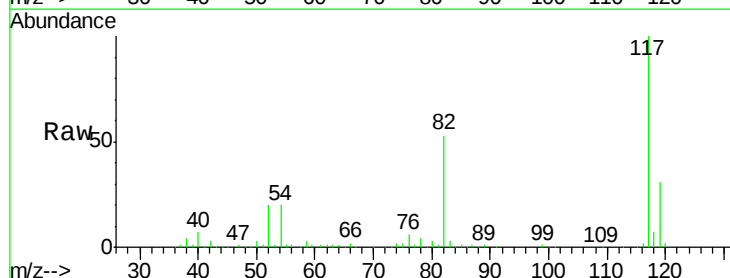


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

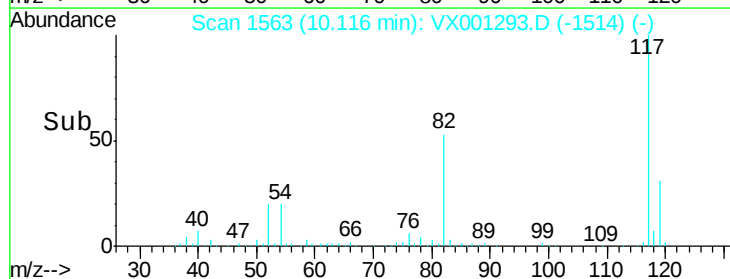
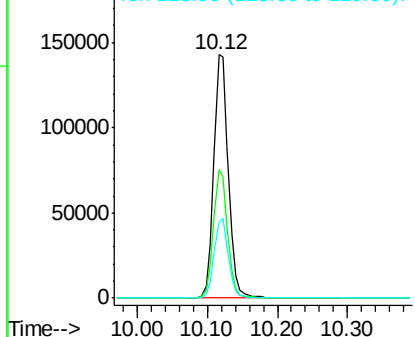


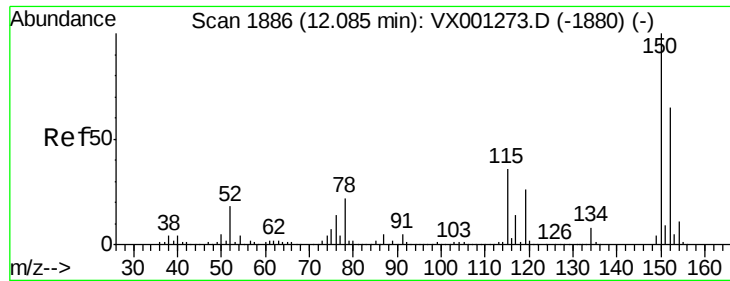
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX001293.D
Acq: 01 May 2018 22:59

Tgt Ion: 117 Resp: 206196
Ion Ratio Lower Upper
117 100
82 52.6 41.4 62.0
119 30.9 25.5 38.3



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001293.D

Acq: 01 May 2018 22:59

Instrument :

MSVOA_X

ClientSampleId :

PB108752TBZHE#01

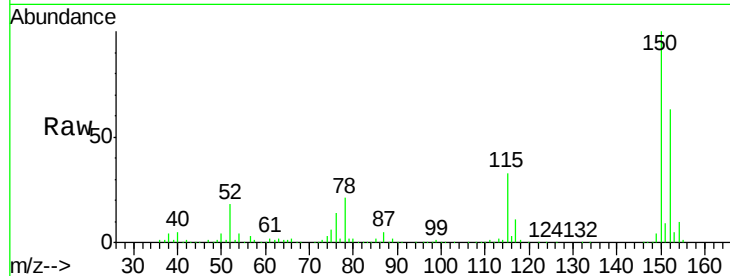
Tgt Ion:152 Resp: 114617

Ion Ratio Lower Upper

152 100

115 53.6 38.6 115.7

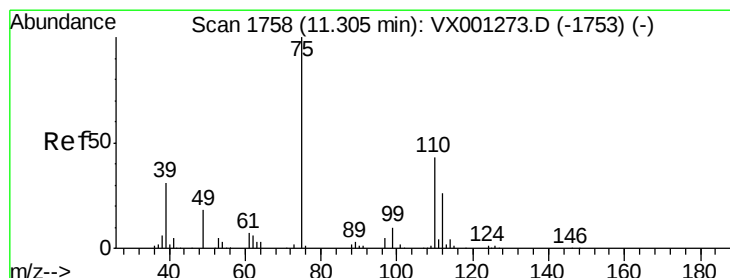
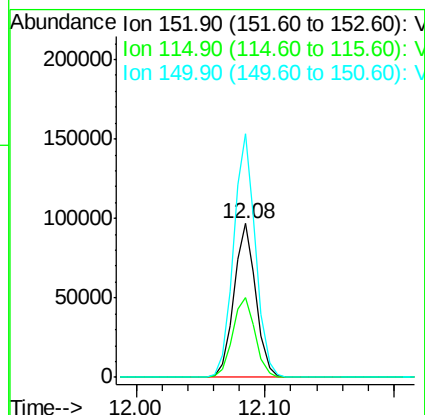
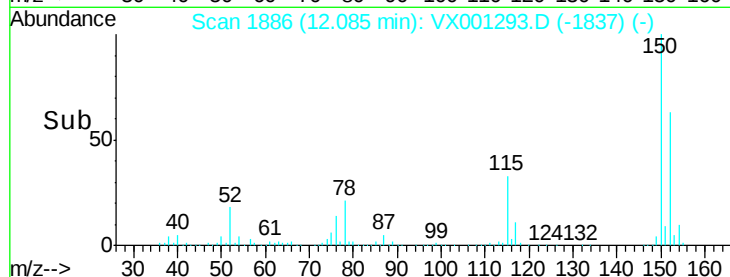
150 159.1 0.0 349.2



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: 25.62 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001293.D

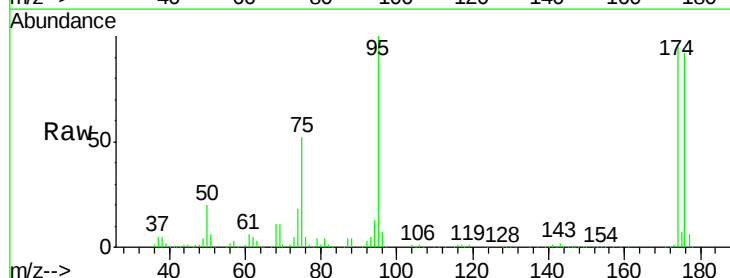
Acq: 01 May 2018 22:59

Tgt Ion: 75 Resp: 54300

Ion Ratio Lower Upper

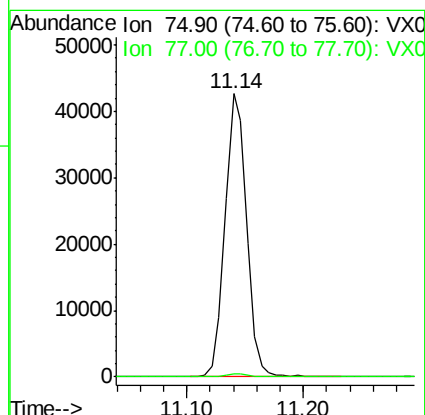
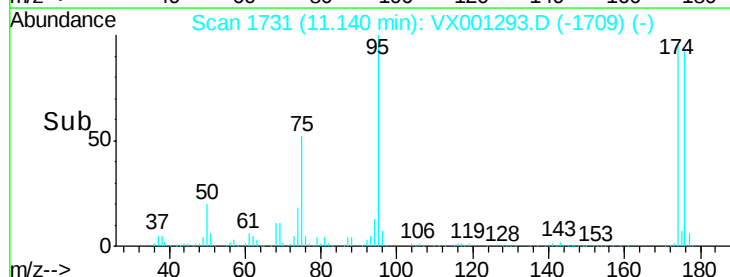
75 100

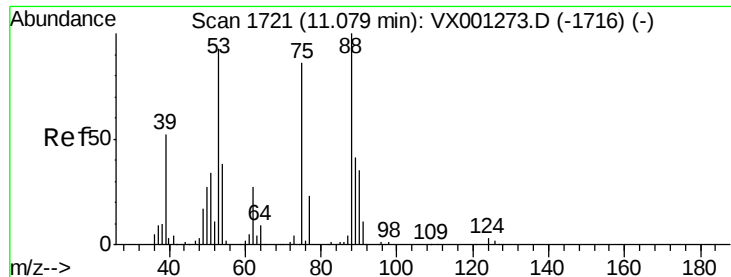
77 1.1 18.9 56.5#



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: 80.49 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001293.D

Acq: 01 May 2018 22:59

Instrument :

MSVOA_X

ClientSampleId :

PB108752TBZHE#01

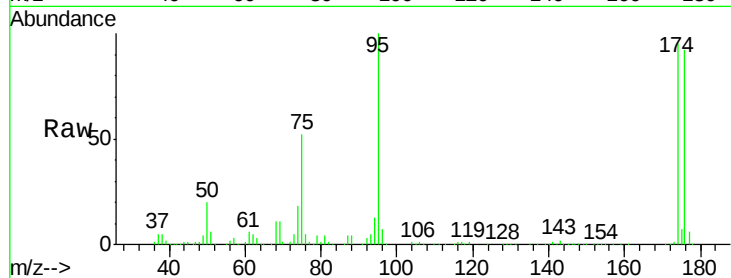
Tgt Ion: 75 Resp: 54300

Ion Ratio Lower Upper

75 100

53 0.0 87.1 130.7#

89 0.0 38.9 58.3#



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

