

Data File : VX001342.D
Acq On : 03 May 2018 03:26
Operator : JC/MD
Sample : PB108794ZHE#01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB108794ZHE#01

Quant Time: May 03 05:13:18 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	149624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	200310	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	179331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	96557	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	93341	45.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.14%	
35) Dibromofluoromethane	5.51	113	76831	44.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.04%	
50) Toluene-d8	8.72	98	279419	45.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.64%	
62) 4-Bromofluorobenzene	11.14	95	88706	35.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.96%	

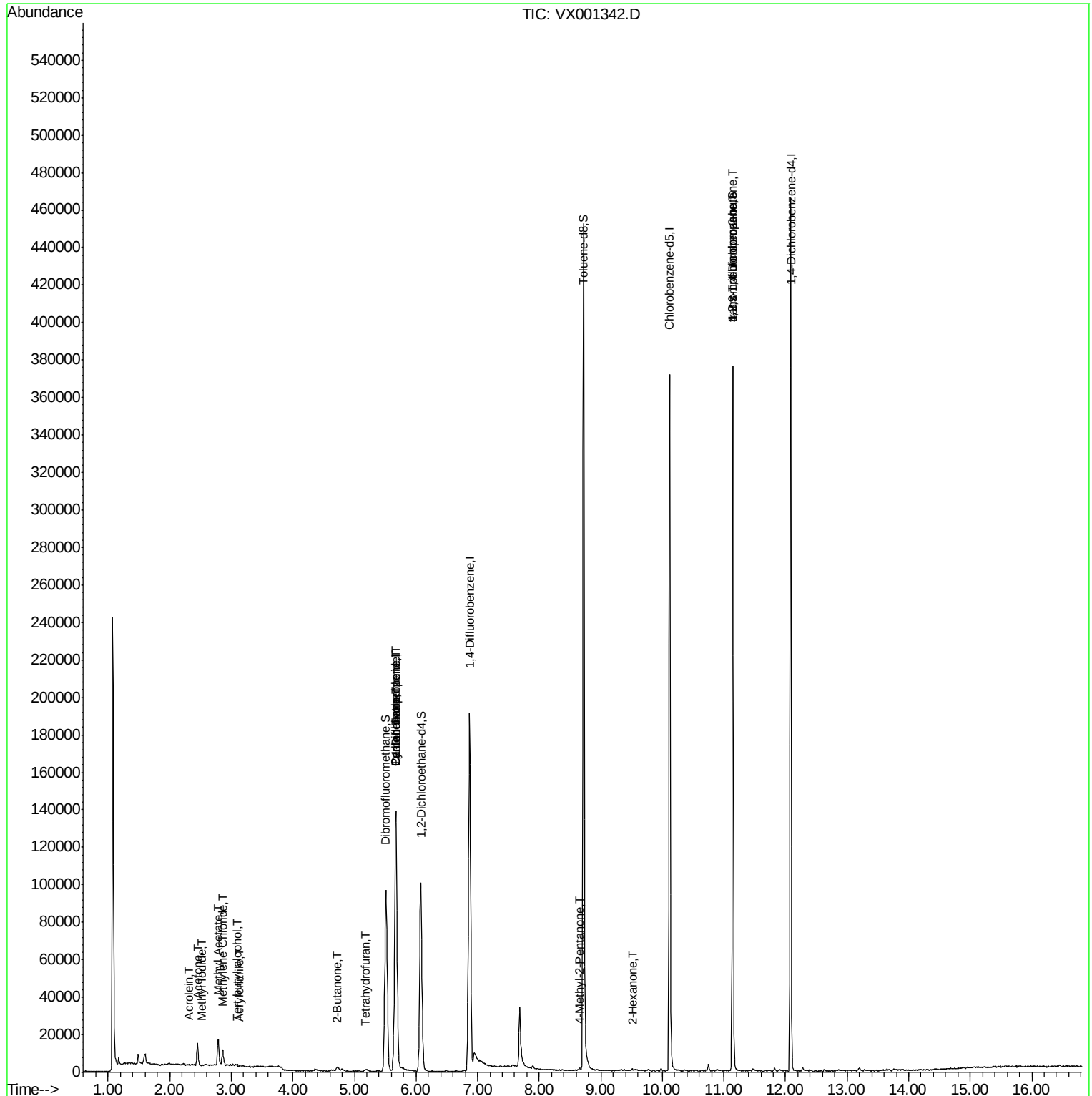
Target Compounds			Qvalue			
5) Bromomethane	1.65	94	470	Below Cal	#	49
10) Methyl Iodide	2.51	142	307	4.48	ug/l #	78
11) Tert butyl alcohol	3.09	59	550	1.54	ug/l #	94
13) Acrolein	2.31	56	119	0.58	ug/l #	1
15) Acrylonitrile	3.13	53	254	0.31	ug/l #	24
16) Acetone	2.45	43	12327	13.94	ug/l	94
18) Methyl Acetate	2.79	43	17518	8.39	ug/l	98
20) Methylene Chloride	2.87	84	3612	0.69	ug/l	86
25) 2-Butanone	4.72	43	3657	3.06	ug/l	97
29) Tetrahydrofuran	5.18	42	1037	1.41	ug/l #	66
31) Cyclohexane	5.67	56	2819	1.11	ug/l #	18
36) 1,1-Dichloropropene	5.67	75	9391	4.06	ug/l #	50
38) Carbon Tetrachloride	5.68	117	12897	5.32	ug/l #	18
51) 4-Methyl-2-Pentanone	8.66	43	739	0.30	ug/l	100
59) 2-Hexanone	9.51	43	800	0.42	ug/l	86
76) 1,2,3-Trichloropropane	11.14	75	45985	25.75	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	45985	80.89	ug/l #	6

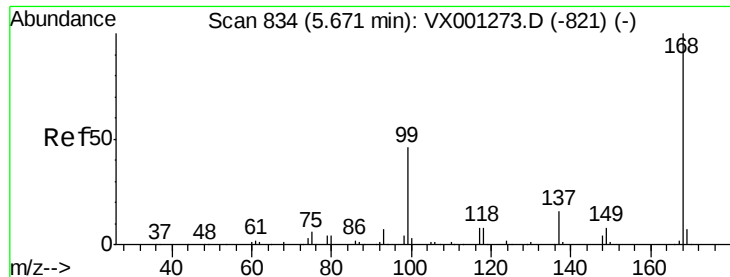
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ALS Vial : 37 Sample Multiplier: 1

PB108794ZHE#01

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: VX001342.D

Acq: 03 May 2018 03:26

Instrument :

MSVOA_X

ClientSampleId :

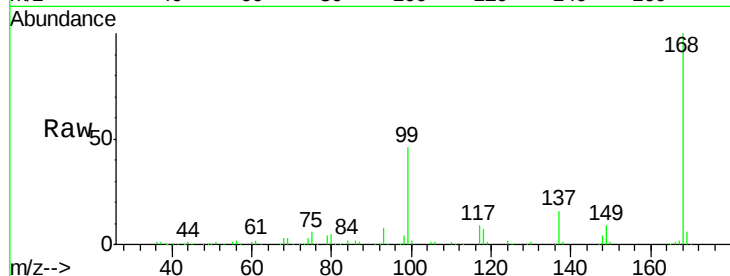
PB108794ZHE#01

Tgt Ion:168 Resp: 149624

Ion Ratio Lower Upper

168 100

99 45.9 36.5 54.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

50000

40000

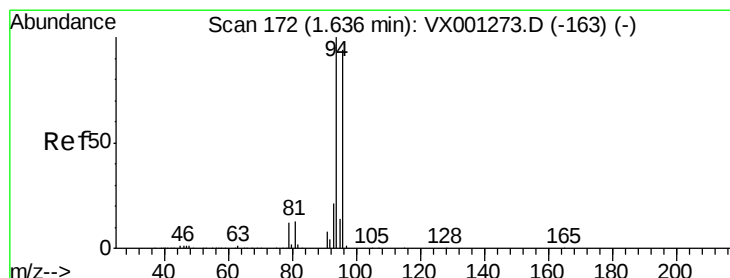
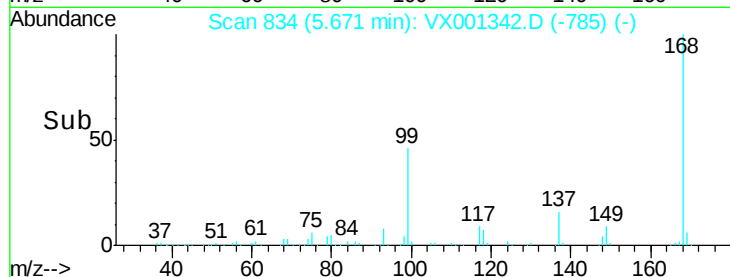
30000

20000

10000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001342.D

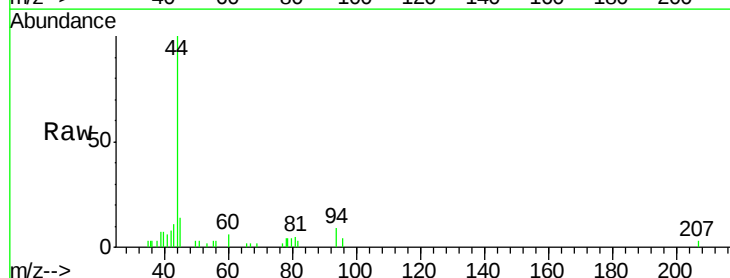
Acq: 03 May 2018 03:26

Tgt Ion: 94 Resp: 470

Ion Ratio Lower Upper

94 100

96 45.2 75.6 113.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

250

200

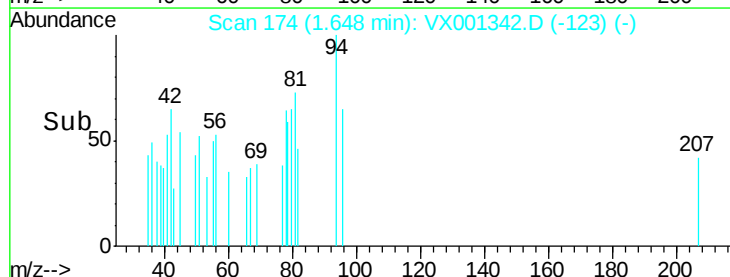
150

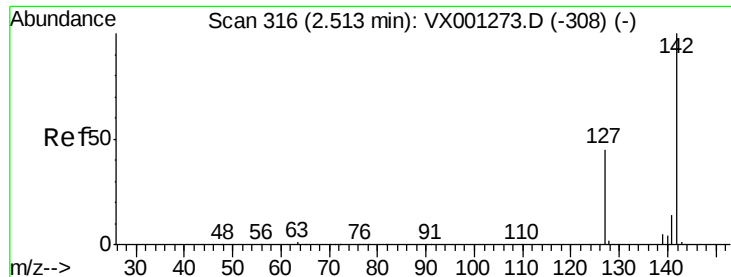
100

50

0

Time-->

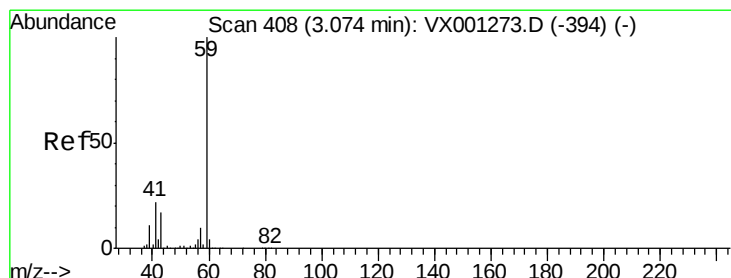
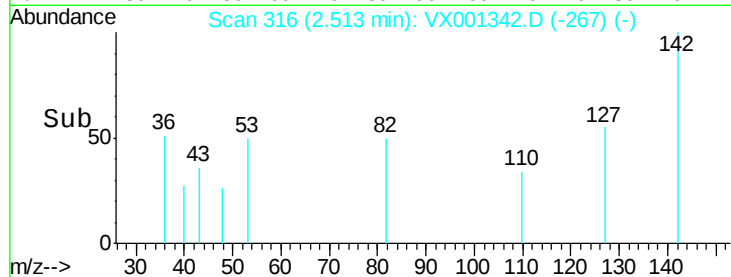
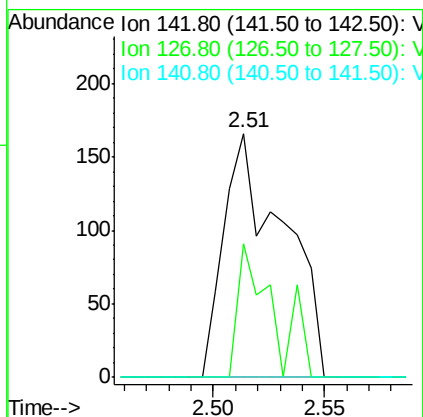
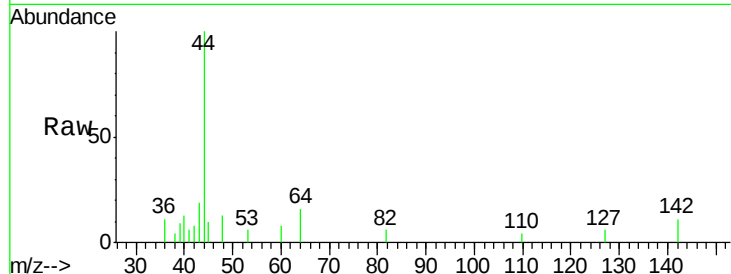




#10
Methyl Iodide
Concen: 4.48 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX001342.D
Acq: 03 May 2018 03:26

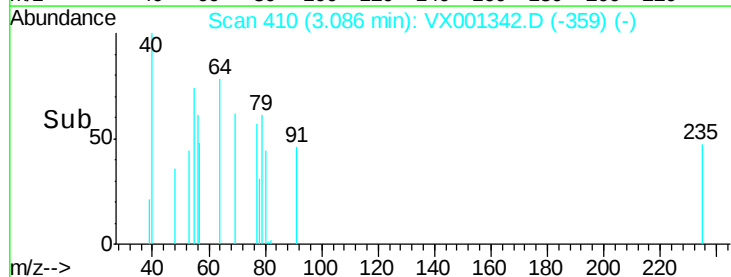
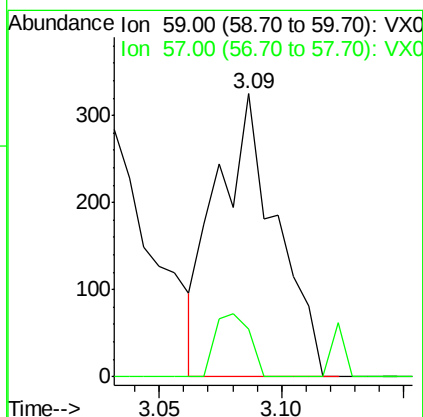
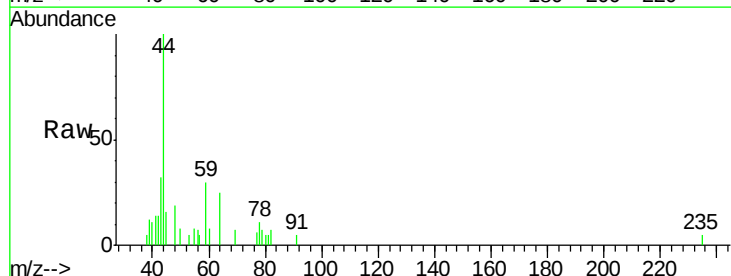
Instrument :
MSVOA_X
ClientSampleId :
PB108794ZHE#01

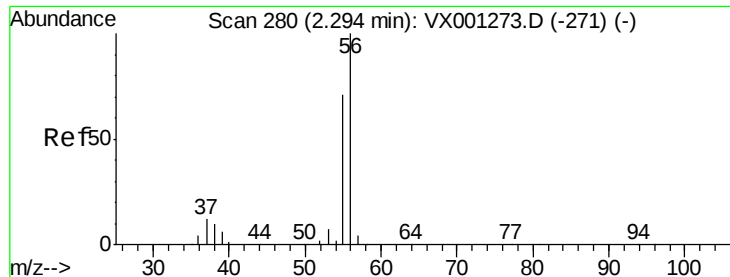
Tgt Ion:142 Resp: 307
Ion Ratio Lower Upper
142 100
127 32.6 35.7 53.5#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 1.54 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX001342.D
Acq: 03 May 2018 03:26

Tgt Ion: 59 Resp: 550
Ion Ratio Lower Upper
59 100
57 12.9 8.6 12.8#





#13

Acrolein

Concen: 0.58 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX001342.D

Acq: 03 May 2018 03:26

Instrument :

MSVOA_X

ClientSampleId :

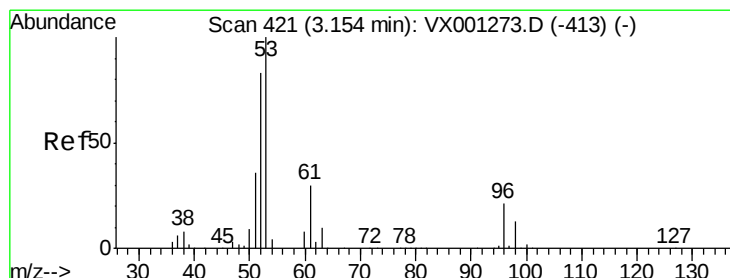
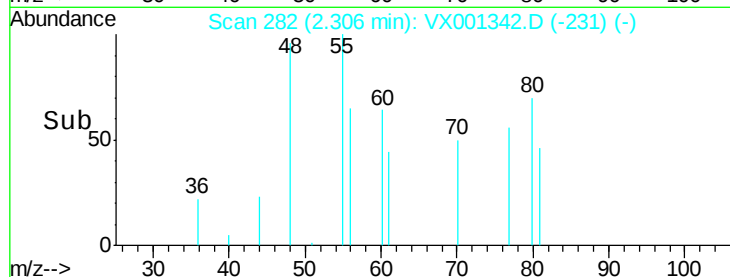
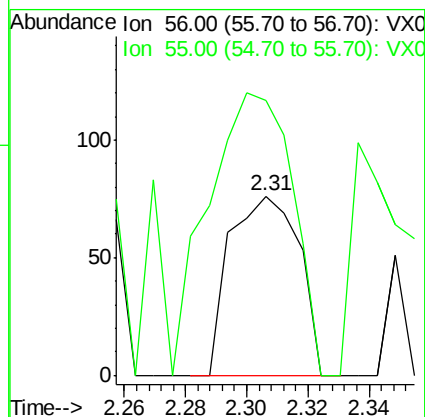
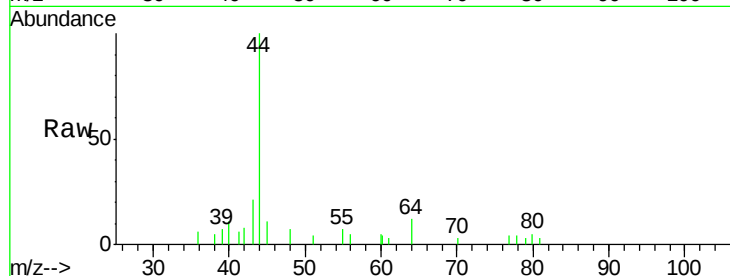
PB108794ZHE#01

Tgt Ion: 56 Resp: 119

Ion Ratio Lower Upper

56 100

55 192.4 57.2 85.8#



#15

Acrylonitrile

Concen: 0.31 ug/l

RT: 3.13 min Scan# 417

Delta R.T. -0.02 min

Lab File: VX001342.D

Acq: 03 May 2018 03:26

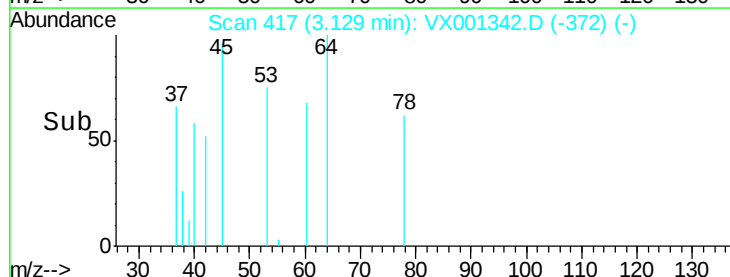
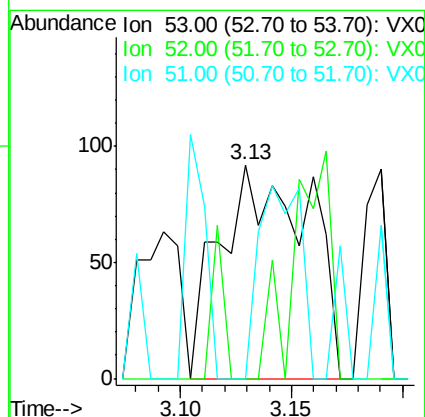
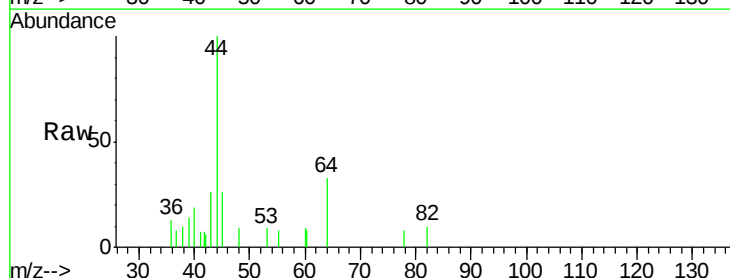
Tgt Ion: 53 Resp: 254

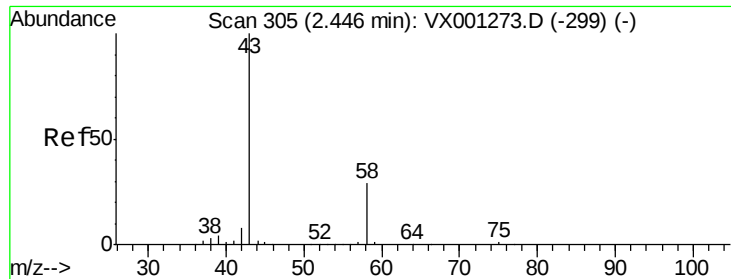
Ion Ratio Lower Upper

53 100

52 9.4 67.0 100.4#

51 0.0 29.9 44.9#





#16

Acetone

Concen: 13.94 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001342.D

Acq: 03 May 2018 03:26

Instrument :

MSVOA_X

ClientSampleId :

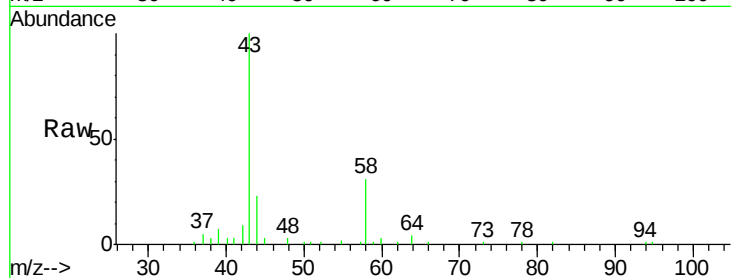
PB108794ZHE#01

Tgt Ion: 43 Resp: 12327

Ion Ratio Lower Upper

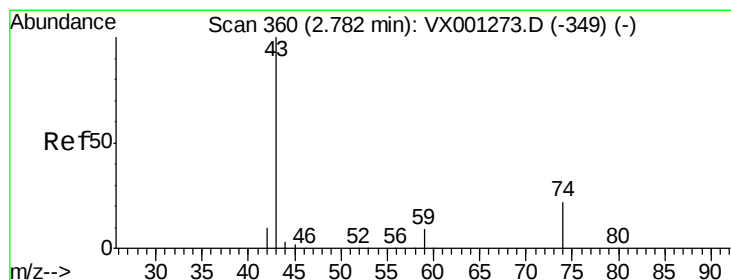
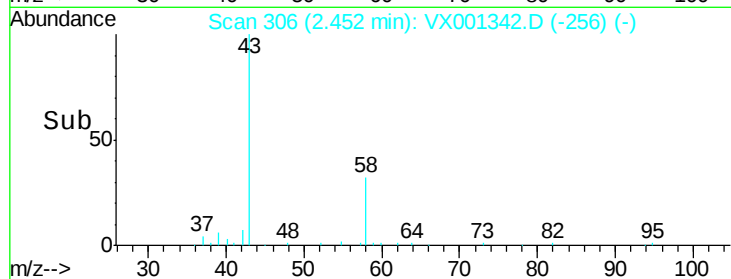
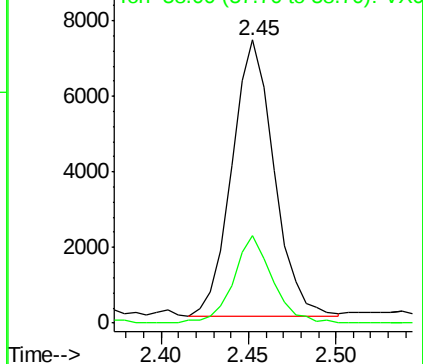
43 100

58 31.5 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: 8.39 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.01 min

Lab File: VX001342.D

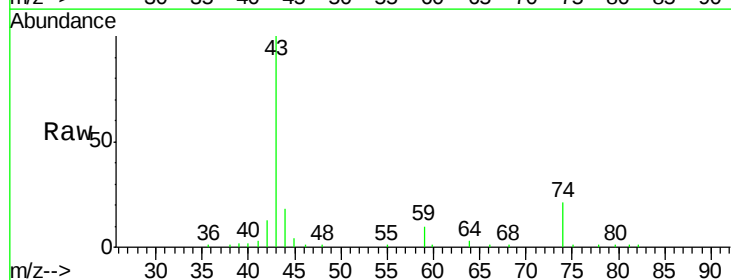
Acq: 03 May 2018 03:26

Tgt Ion: 43 Resp: 17518

Ion Ratio Lower Upper

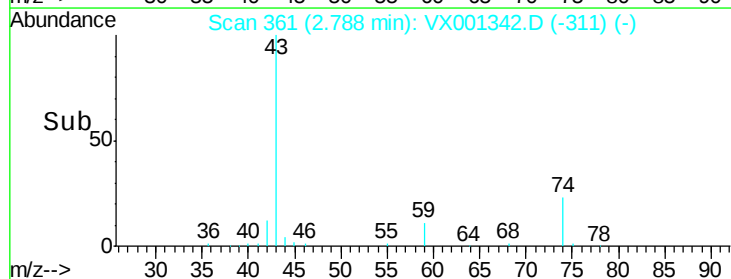
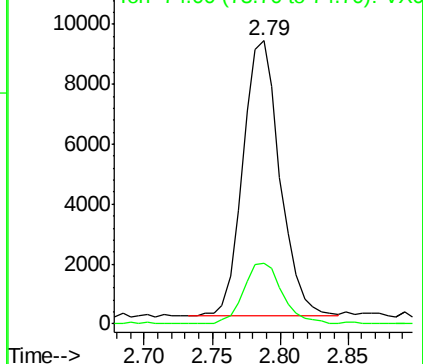
43 100

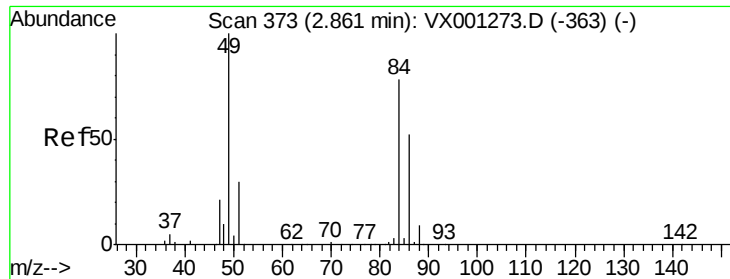
74 23.1 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methylene Chloride

Concen: 0.69 ug/l

RT: 2.87 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX001342.D

Acq: 03 May 2018 03:26

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#01

Tgt Ion: 84 Resp: 3612

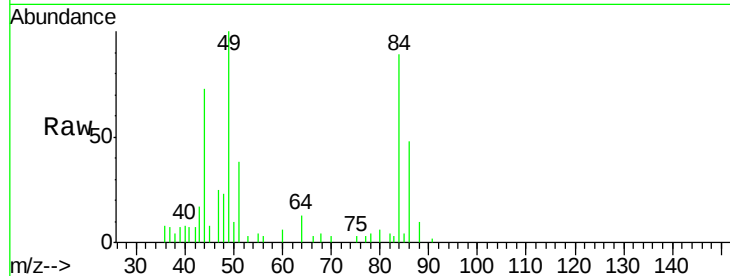
Ion Ratio Lower Upper

84 100

49 112.0 102.8 154.2

51 43.0 30.9 46.3

86 53.4 53.0 79.4

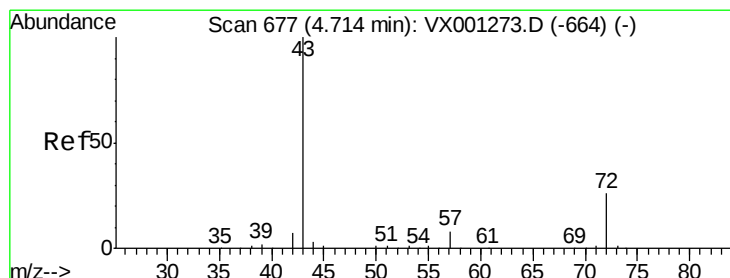
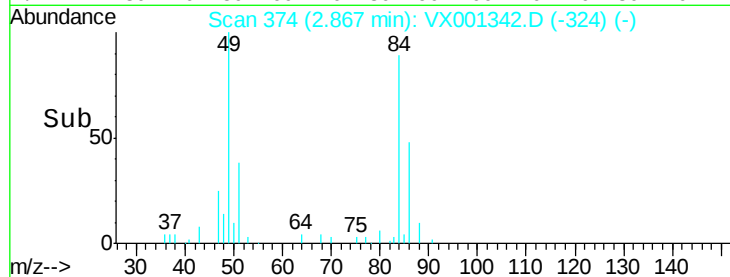
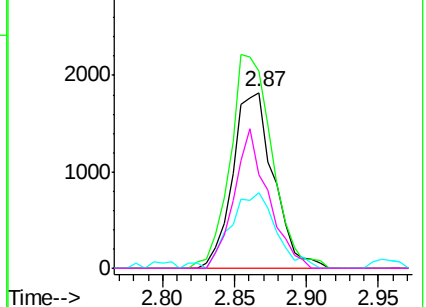


Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 3.06 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX001342.D

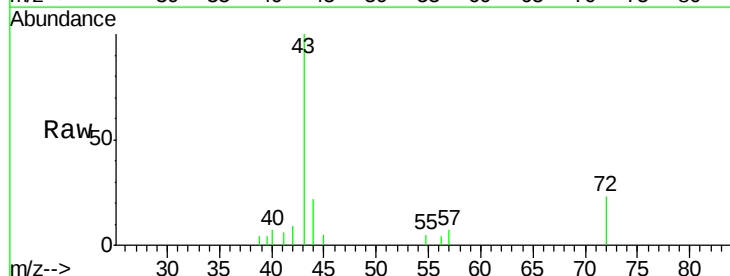
Acq: 03 May 2018 03:26

Tgt Ion: 43 Resp: 3657

Ion Ratio Lower Upper

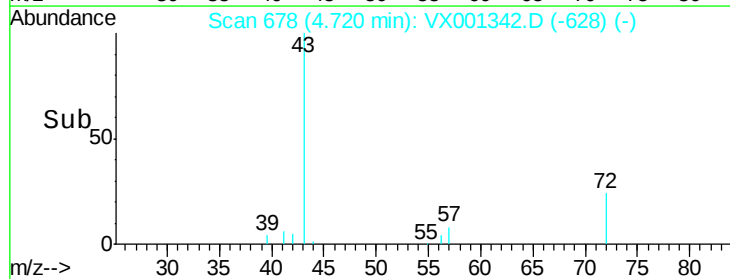
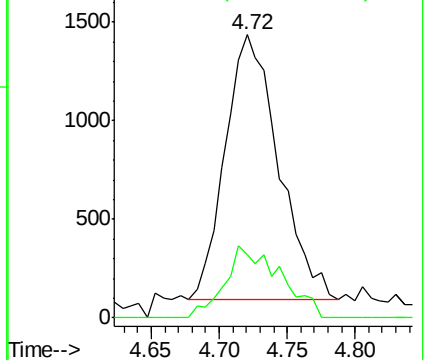
43 100

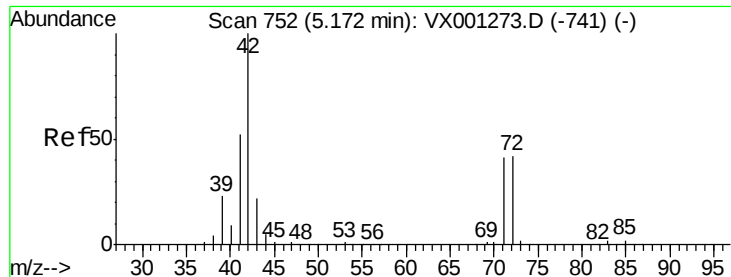
72 24.2 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 1.41 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX001342.D

Acq: 03 May 2018 03:26

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#01

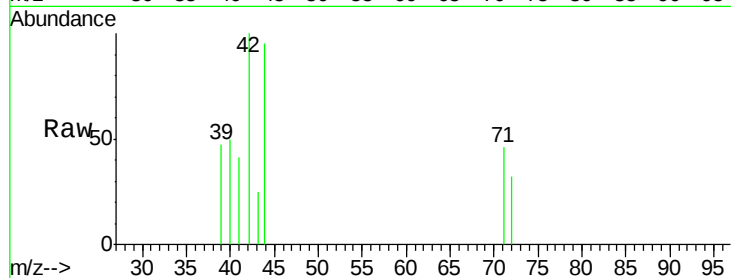
Tgt Ion: 42 Resp: 1037

Ion Ratio Lower Upper

42 100

72 13.5 34.6 52.0#

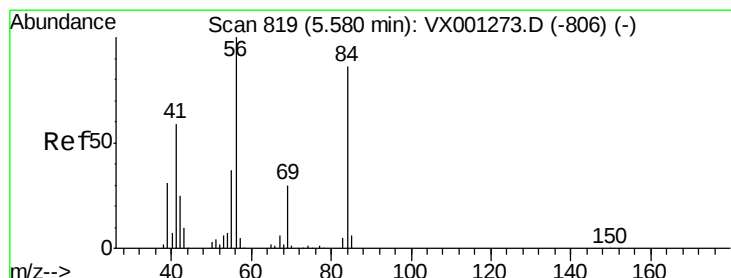
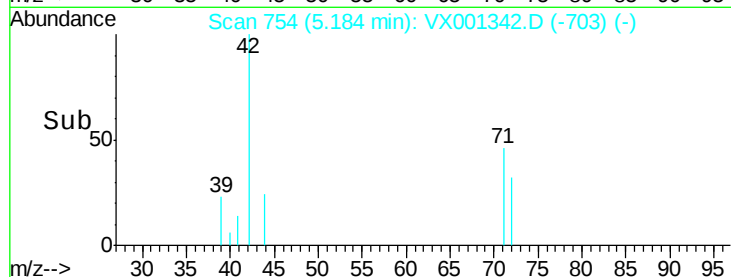
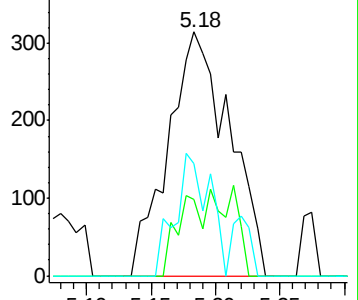
71 28.3 32.7 49.1#



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: 1.11 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001342.D

Acq: 03 May 2018 03:26

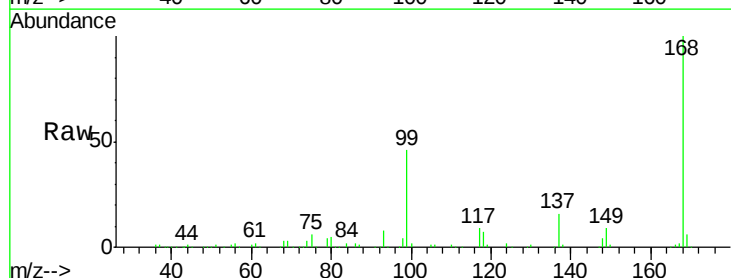
Tgt Ion: 56 Resp: 2819

Ion Ratio Lower Upper

56 100

69 138.2 24.0 36.0#

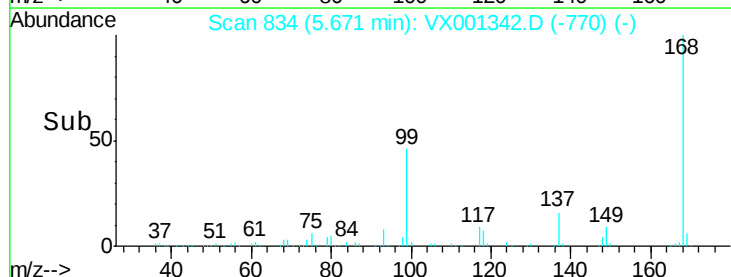
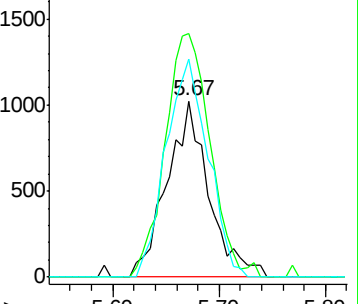
84 123.9 69.0 103.4#

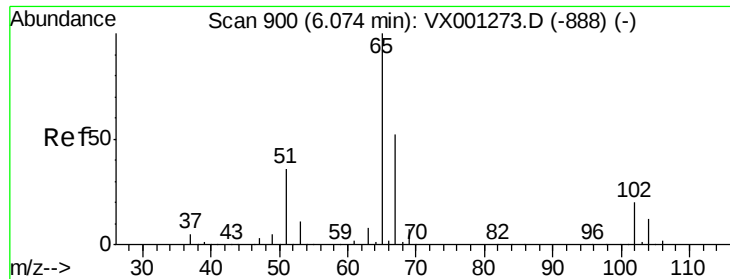


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

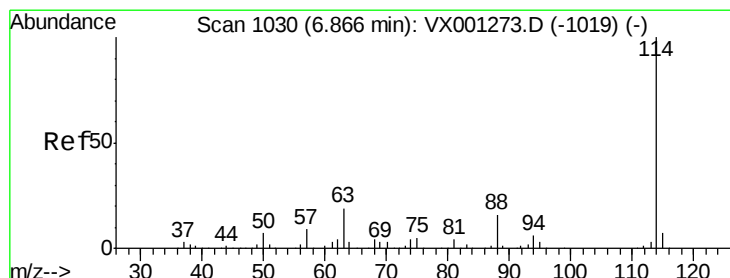
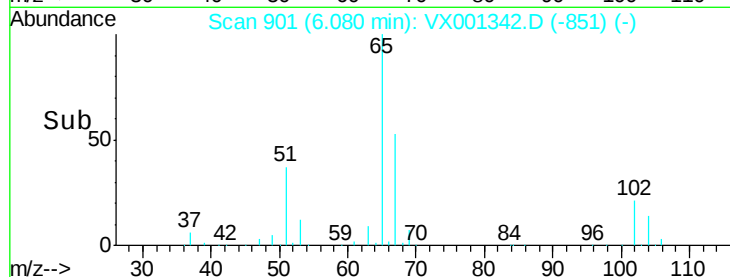
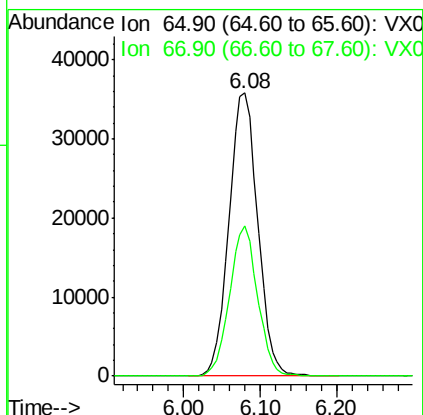
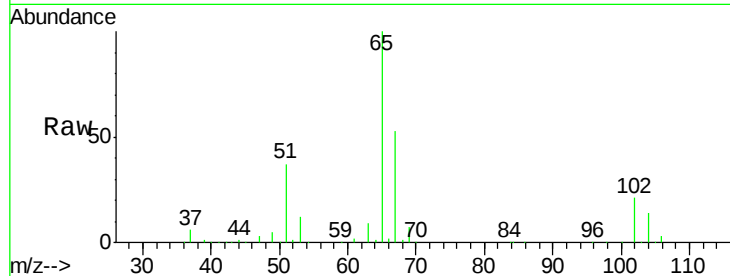




#33
 1,2-Dichloroethane-d4
 Concen: 45.07 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX001342.D
 Acq: 03 May 2018 03:26

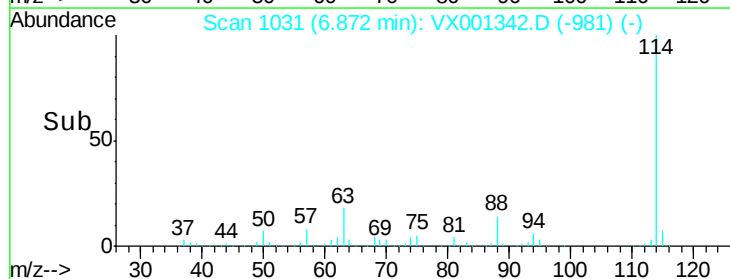
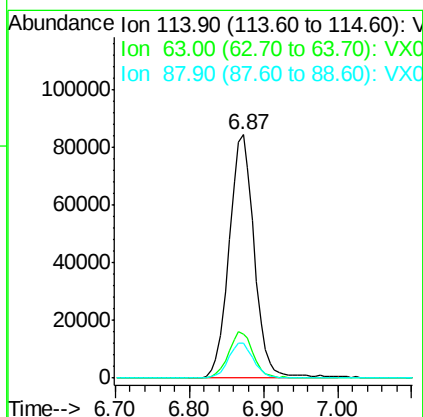
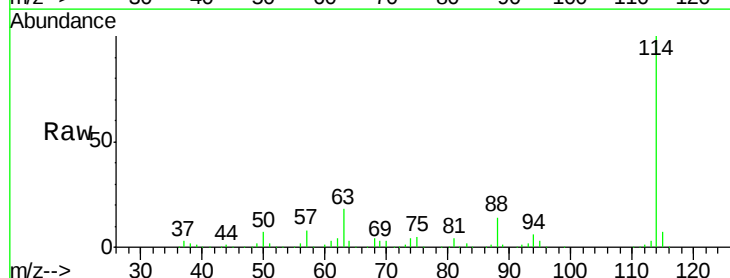
Instrument :
 MSVOA_X
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 PB108794ZHE#01

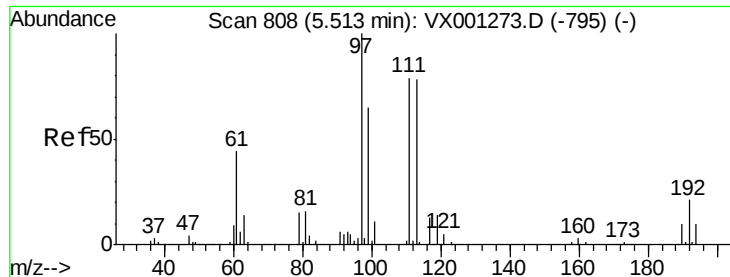
Tgt Ion: 65 Resp: 93341
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001342.D
 Acq: 03 May 2018 03:26

Tgt Ion: 114 Resp: 200310
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 38.8
 88 14.4 0.0 32.2

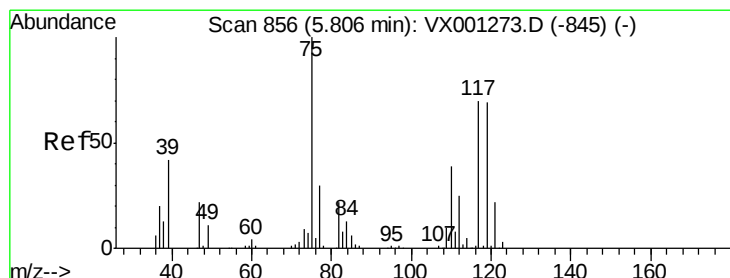
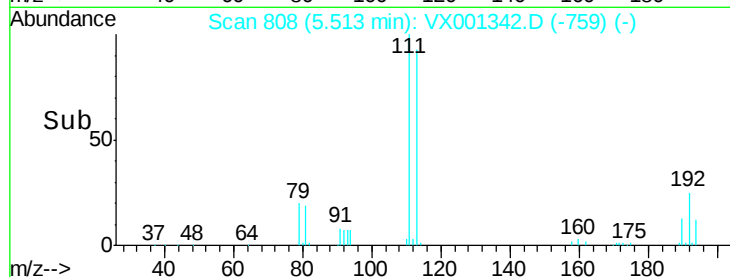
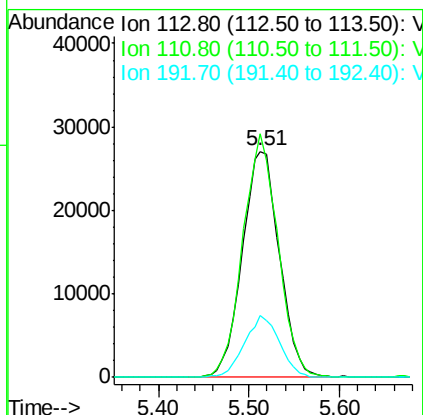
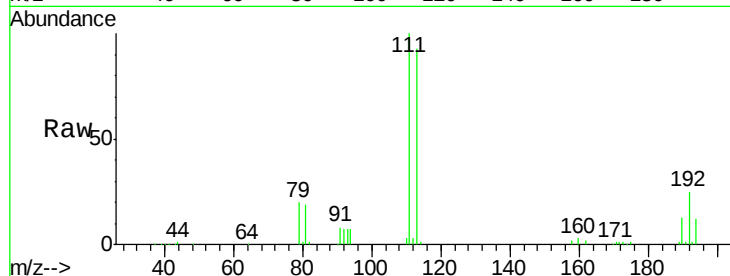




#35
 Dibromofluoromethane
 Concen: 44.52 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX001342.D
 Acq: 03 May 2018 03:26

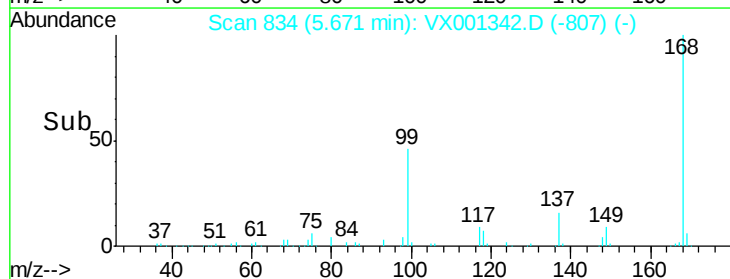
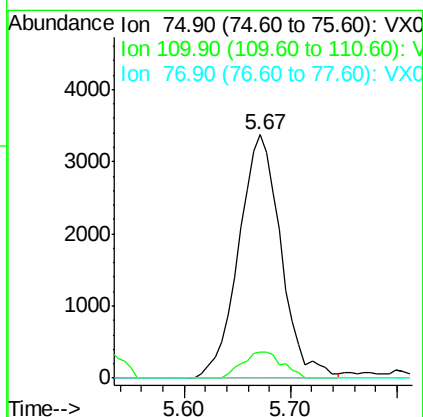
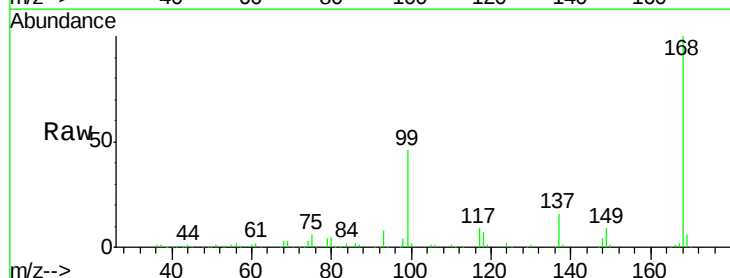
Instrument :
 MSVOA_X
 ClientSampleId :
 PB108794ZHE#01

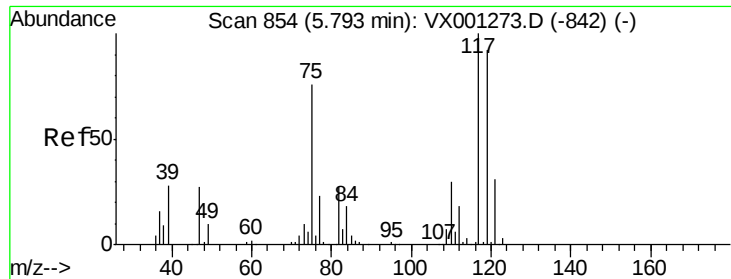
Tgt Ion:113 Resp: 76831
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.2 121.8
 192 25.7 20.7 31.1



#36
 1,1-Dichloropropene
 Concen: 4.06 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001342.D
 Acq: 03 May 2018 03:26

Tgt Ion: 75 Resp: 9391
 Ion Ratio Lower Upper
 75 100
 110 10.2 18.9 56.9#
 77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 5.32 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX001342.D

Acq: 03 May 2018 03:26

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#01

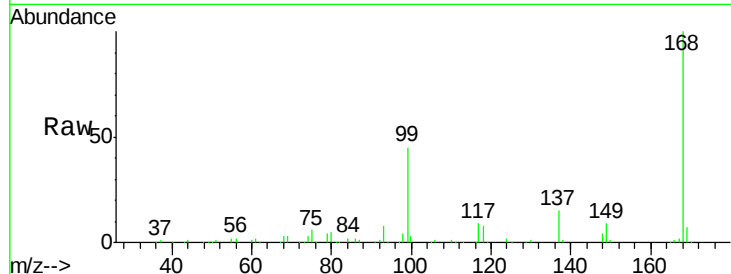
Tgt Ion:117 Resp: 12897

Ion Ratio Lower Upper

117 100

119 5.1 73.4 110.2#

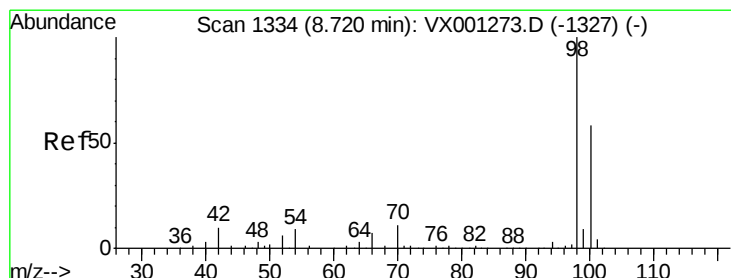
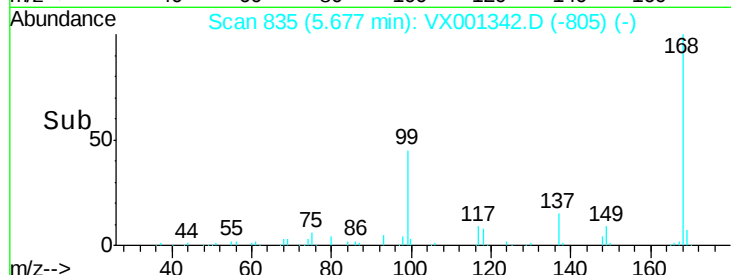
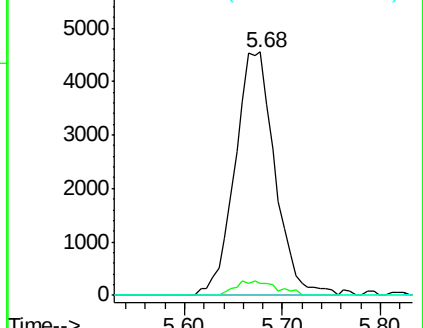
121 0.0 25.0 37.4#



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: 45.32 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001342.D

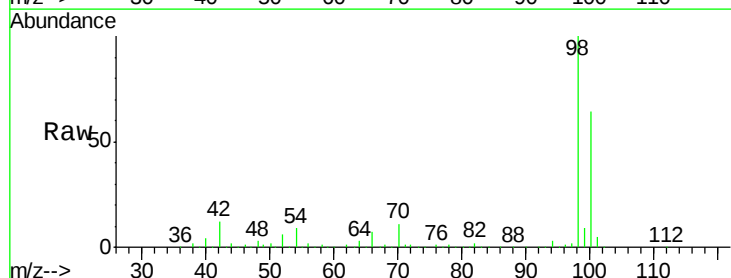
Acq: 03 May 2018 03:26

Tgt Ion: 98 Resp: 279419

Ion Ratio Lower Upper

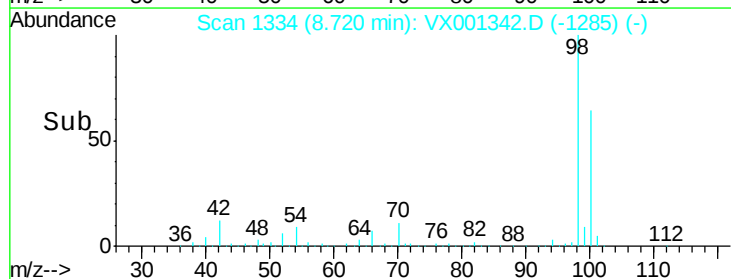
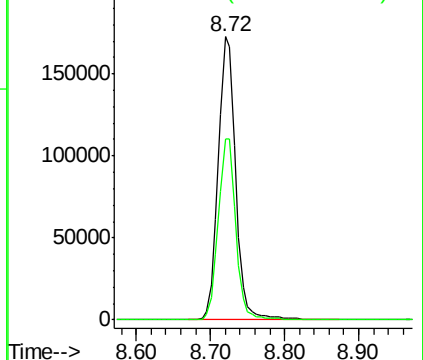
98 100

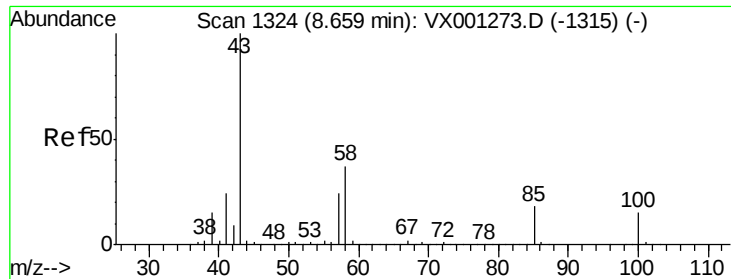
100 64.3 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX





#51

4-Methyl-2-Pentanone

Concen: 0.30 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX001342.D

Acq: 03 May 2018 03:26

Instrument :

MSVOA_X

ClientSampleId :

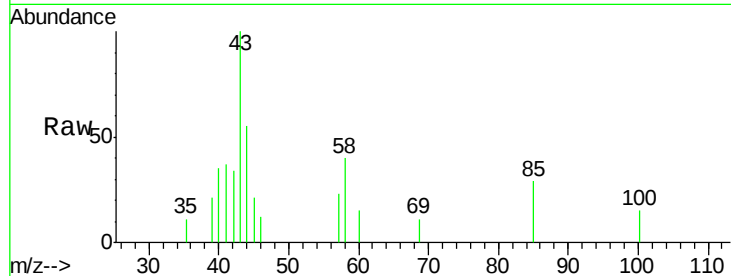
PB108794ZHE#01

Tgt Ion: 43 Resp: 739

Ion Ratio Lower Upper

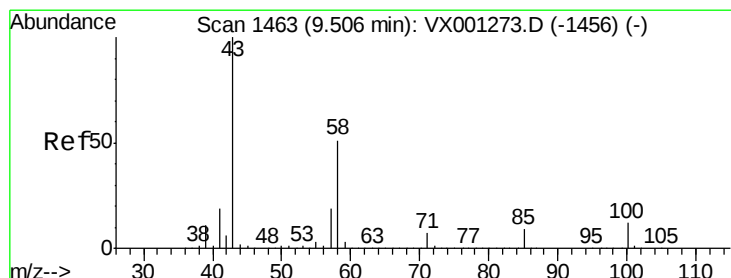
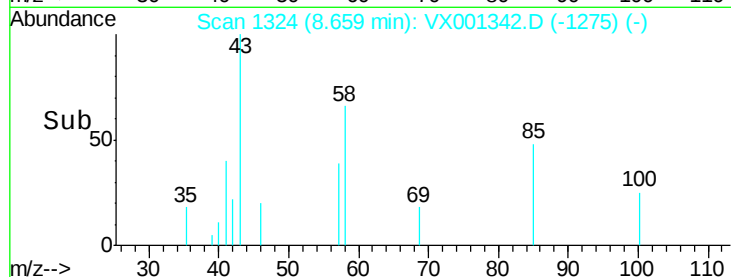
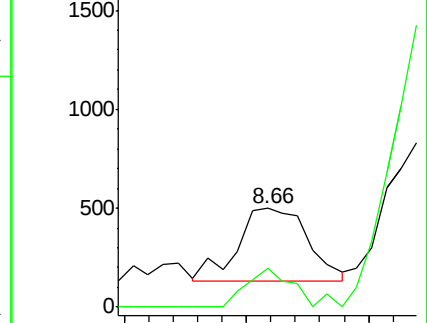
43 100

58 36.4 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#59

2-Hexanone

Concen: 0.42 ug/l

RT: 9.51 min Scan# 1464

Delta R.T. 0.01 min

Lab File: VX001342.D

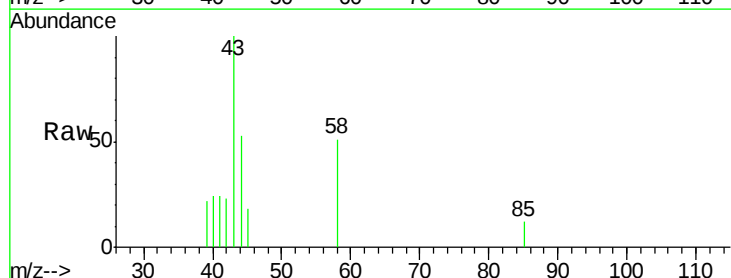
Acq: 03 May 2018 03:26

Tgt Ion: 43 Resp: 800

Ion Ratio Lower Upper

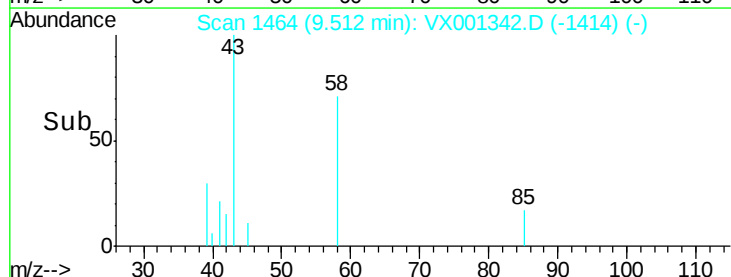
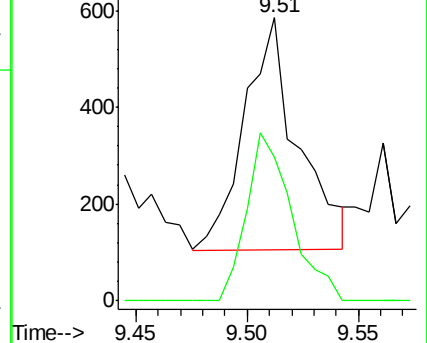
43 100

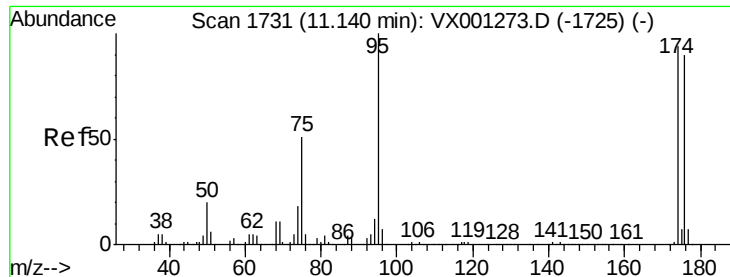
58 61.1 25.7 77.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

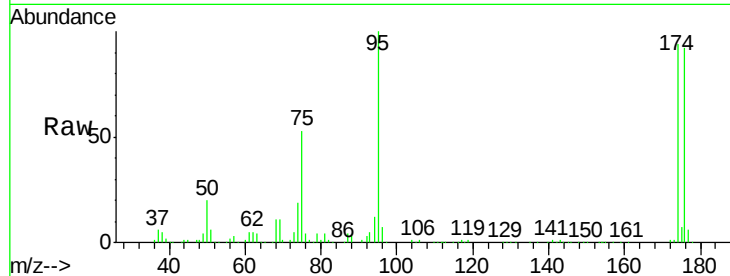




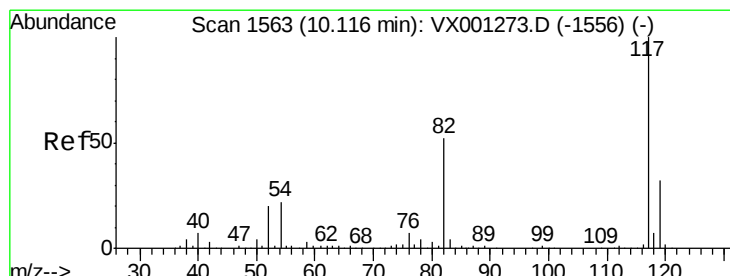
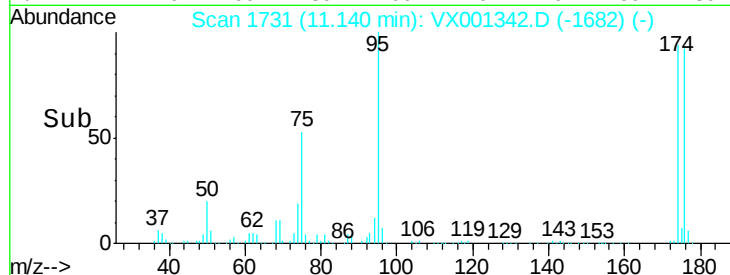
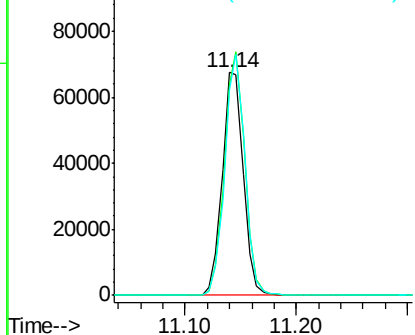
#62
4-Bromofluorobenzene
Concen: 35.98 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001342.D
Acq: 03 May 2018 03:26

Instrument :
MSVOA_X
ClientSampleId :
PB108794ZHE#01

Tgt Ion: 95 Resp: 88706
Ion Ratio Lower Upper
95 100
174 104.9 0.0 201.8
176 102.5 0.0 197.2

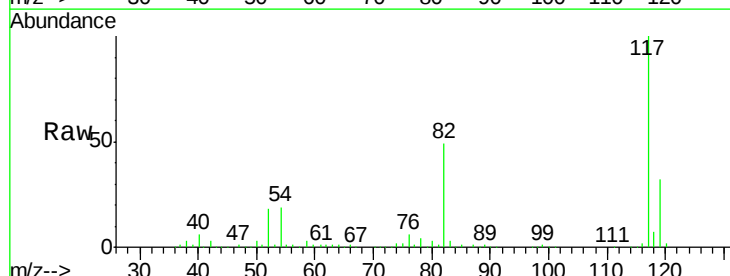


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

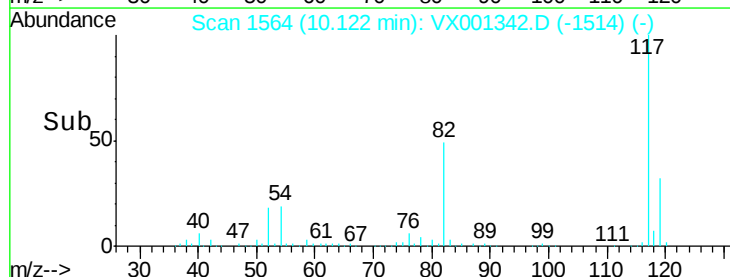
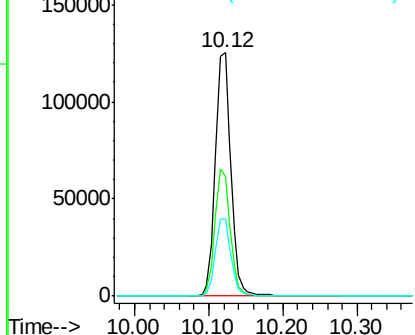


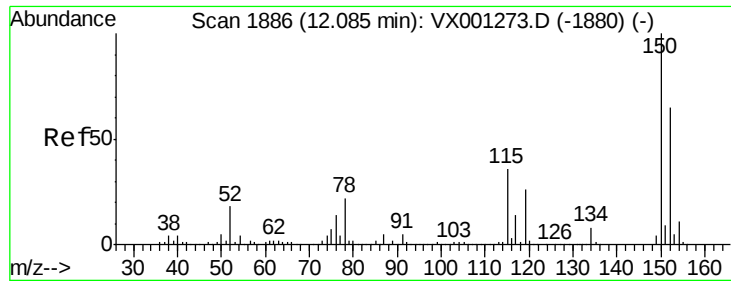
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001342.D
Acq: 03 May 2018 03:26

Tgt Ion: 117 Resp: 179331
Ion Ratio Lower Upper
117 100
82 48.9 41.4 62.0
119 31.7 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: VX001342.D

Acq: 03 May 2018 03:26

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#01

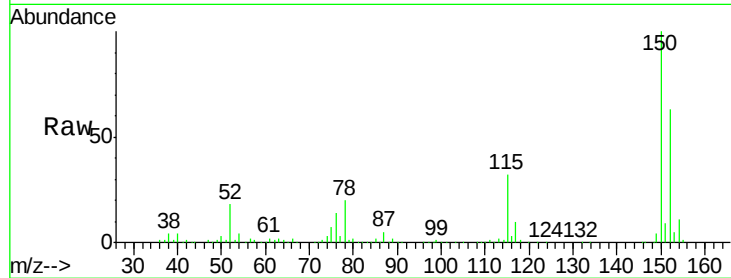
Tgt Ion:152 Resp: 96557

Ion Ratio Lower Upper

152 100

115 52.2 38.6 115.7

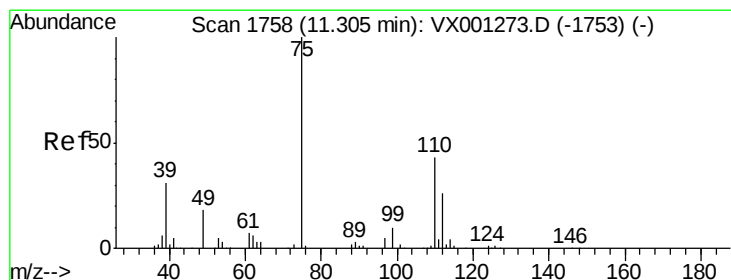
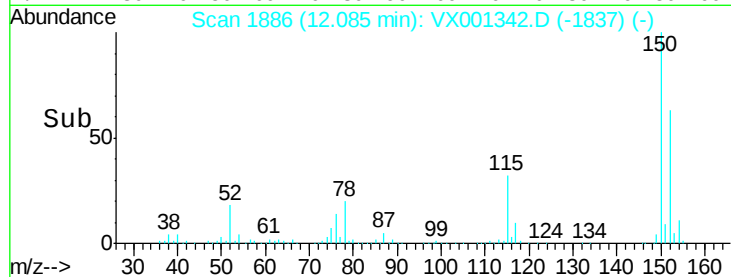
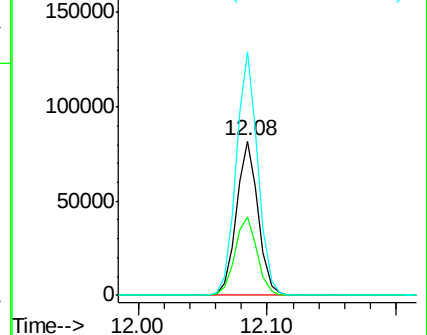
150 157.0 0.0 349.2



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: 25.75 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001342.D

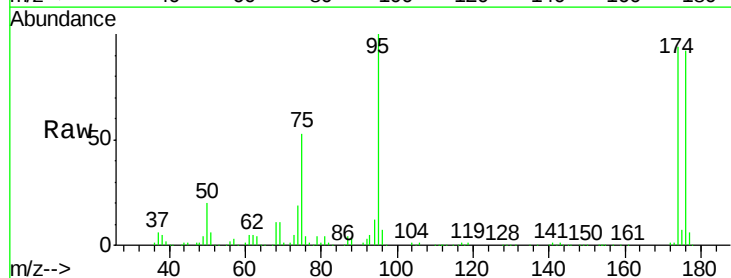
Acq: 03 May 2018 03:26

Tgt Ion: 75 Resp: 45985

Ion Ratio Lower Upper

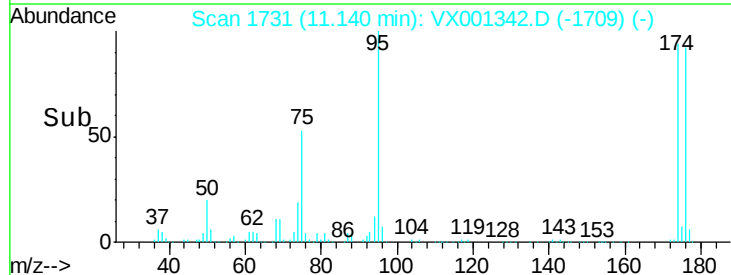
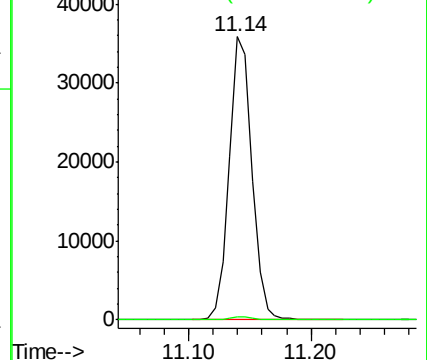
75 100

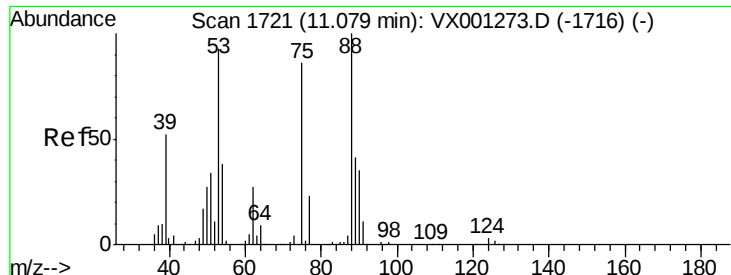
77 1.2 18.9 56.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

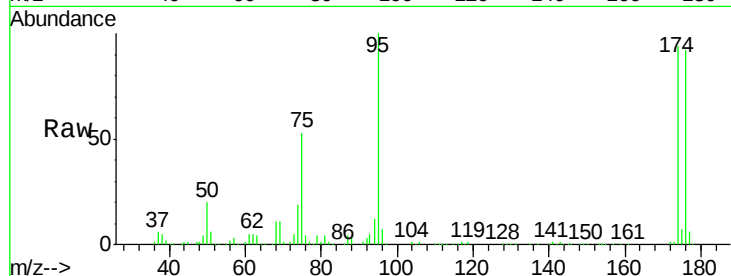




#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.89 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001342.D
 Acq: 03 May 2018 03:26

Instrument :
 MSVOA_X
 ClientSampleId :
 PB108794ZHE#01

Tgt Ion: 75 Resp: 45985
 Ion Ratio Lower Upper
 75 100
 53 0.1 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

