

Data File : VX001340.D
Acq On : 03 May 2018 02:32
Operator : JC/MD
Sample : PB108794ZHE#19
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB108794ZHE#19

Quant Time: May 03 05:12:37 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	154348	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	206874	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	188702	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	106969	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	95304	44.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.22%	
35) Dibromofluoromethane	5.51	113	79449	44.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.16%	
50) Toluene-d8	8.72	98	289054	45.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.80%	
62) 4-Bromofluorobenzene	11.14	95	94819	37.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.48%	

Target Compounds			Qvalue			
5) Bromomethane	1.65	94	529	Below Cal	#	63
10) Methyl Iodide	2.51	142	384	4.52	ug/l #	83
11) Tert butyl alcohol	3.09	59	534	1.45	ug/l #	93
13) Acrolein	2.31	56	108	0.51	ug/l #	14
16) Acetone	2.45	43	12227	13.41	ug/l	97
18) Methyl Acetate	2.79	43	17256	8.01	ug/l	98
20) Methylene Chloride	2.86	84	3494	0.55	ug/l	90
25) 2-Butanone	4.73	43	4556	3.69	ug/l	97
29) Tetrahydrofuran	5.20	42	1000	1.32	ug/l #	80
31) Cyclohexane	5.67	56	2671	1.02	ug/l #	2
36) 1,1-Dichloropropene	5.67	75	9220	3.86	ug/l #	50
37) Ethyl Acetate	4.73	43	4556	1.89	ug/l #	74
38) Carbon Tetrachloride	5.67	117	12883	5.15	ug/l #	18
51) 4-Methyl-2-Pentanone	8.66	43	702	0.28	ug/l #	83
59) 2-Hexanone	9.51	43	696	0.35	ug/l	98
76) 1,2,3-Trichloropropane	11.14	75	48835	24.69	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	48835	77.72	ug/l #	6

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

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ALS Vial : 35 Sample Multiplier: 1

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PB108794ZHE#19

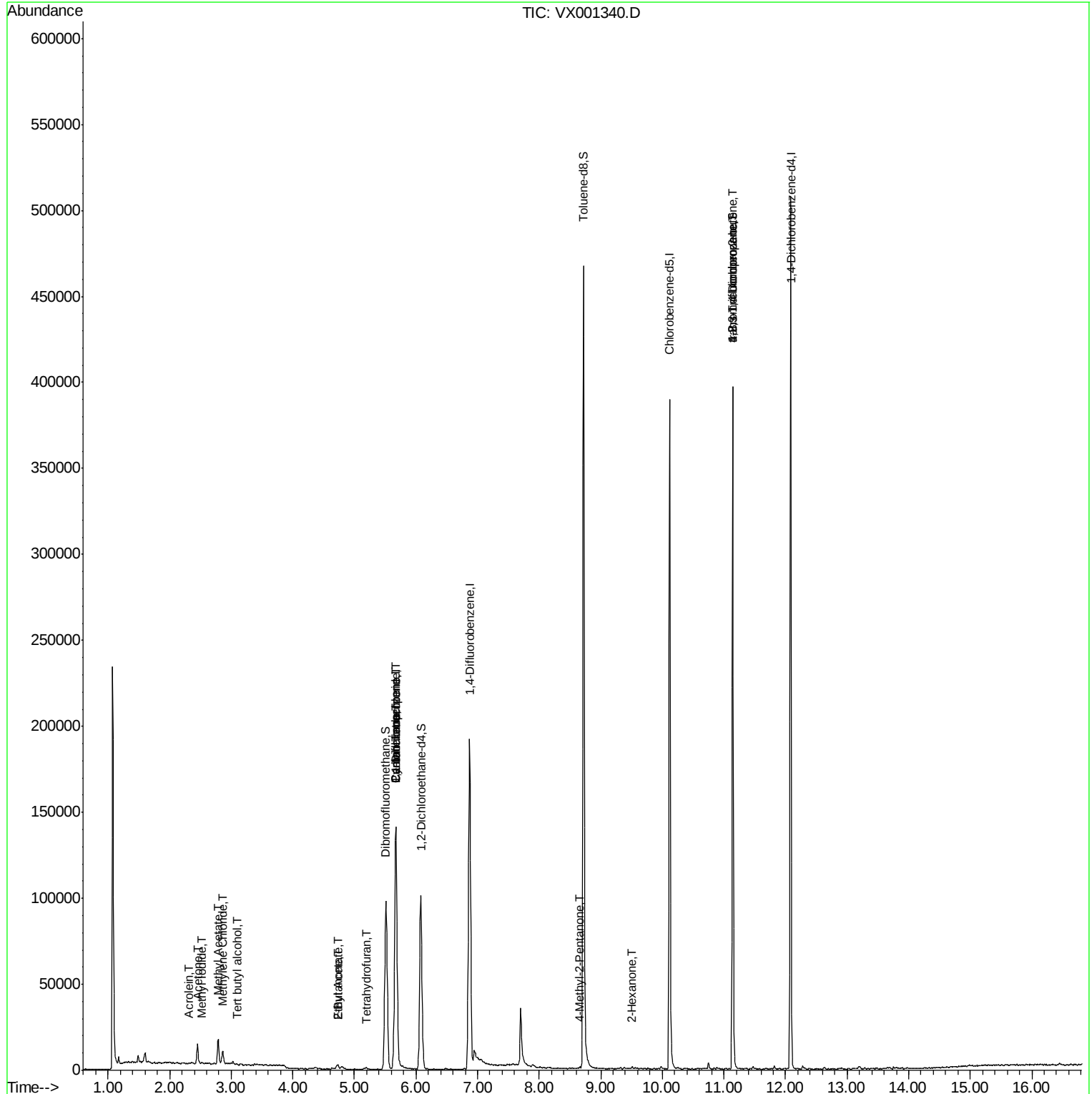
Quant Time: May 03 05:12:37 2018

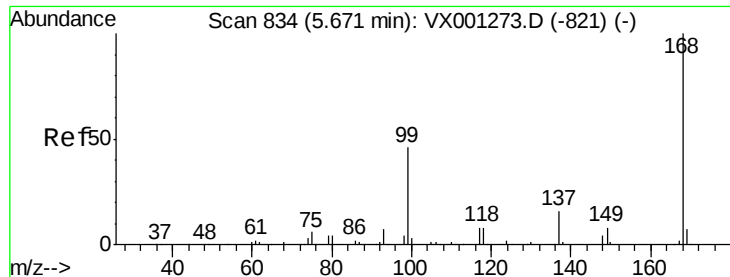
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M

Quant Title : SW846 8260

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

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001340.D

Acq: 03 May 2018 02:32

Instrument :

MSVOA_X

ClientSampleId :

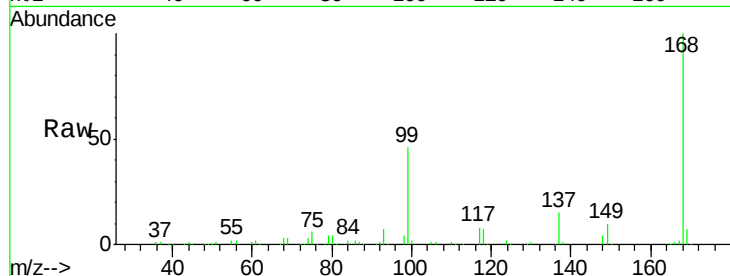
PB108794ZHE#19

Tgt Ion:168 Resp: 154348

Ion Ratio Lower Upper

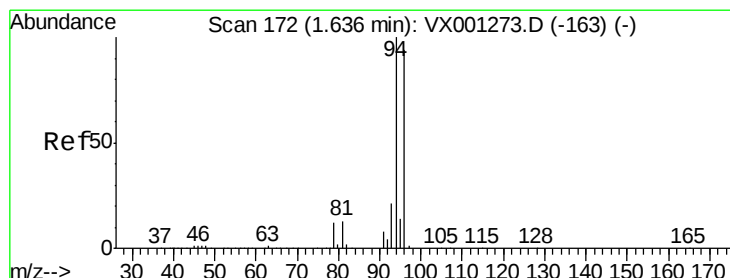
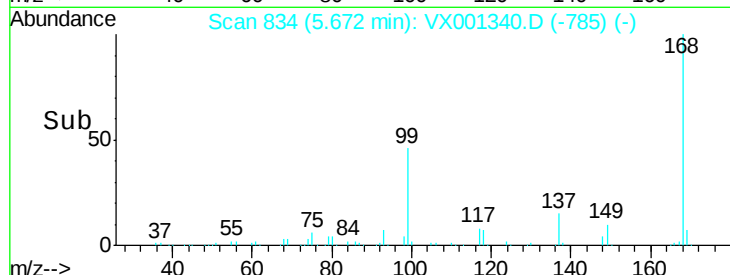
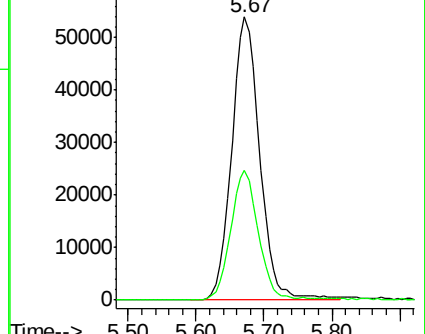
168 100

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

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001340.D

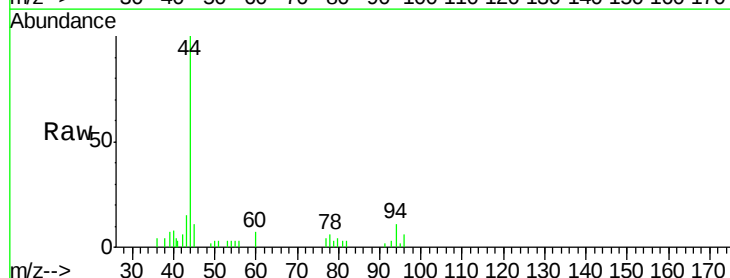
Acq: 03 May 2018 02:32

Tgt Ion: 94 Resp: 529

Ion Ratio Lower Upper

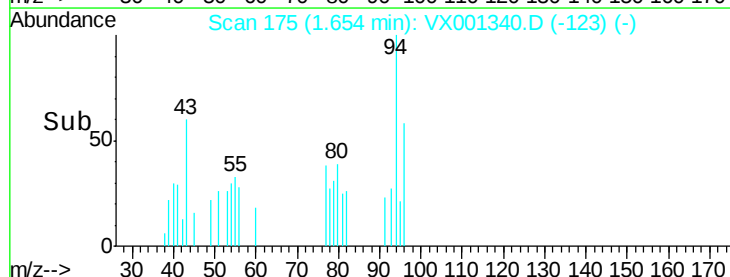
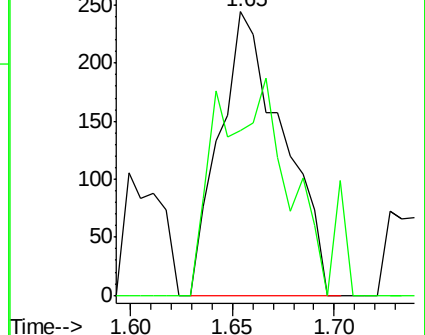
94 100

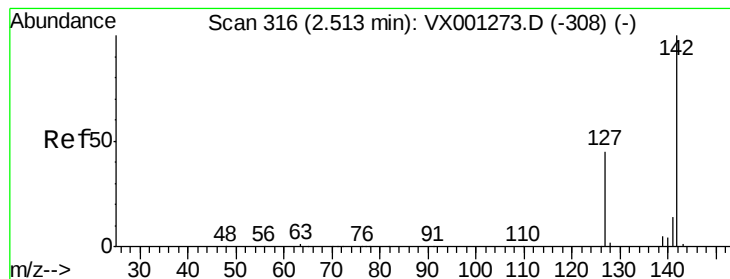
96 58.2 75.6 113.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#10

Methyl Iodide

Concen: 4.52 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX001340.D

Acq: 03 May 2018 02:32

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#19

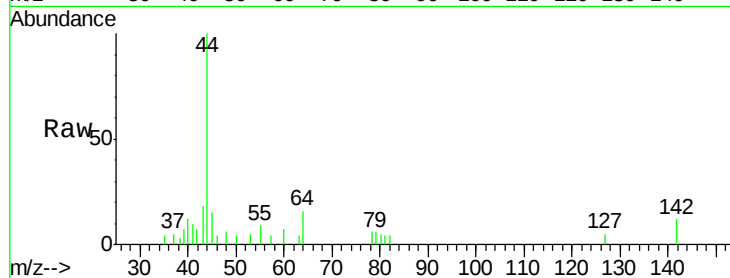
Tgt Ion:142 Resp: 384

Ion Ratio Lower Upper

142 100

127 37.0 35.7 53.5

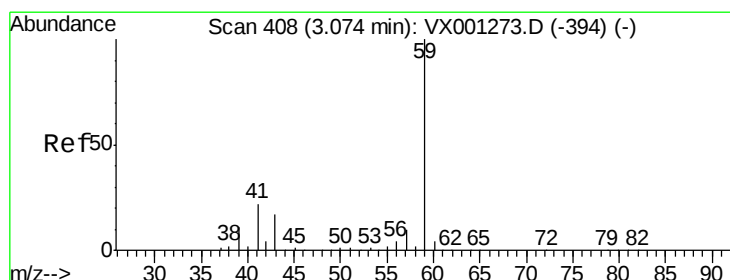
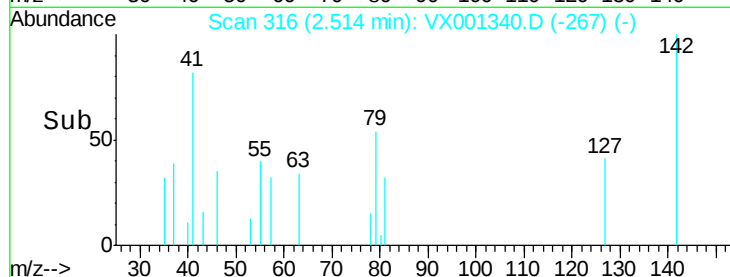
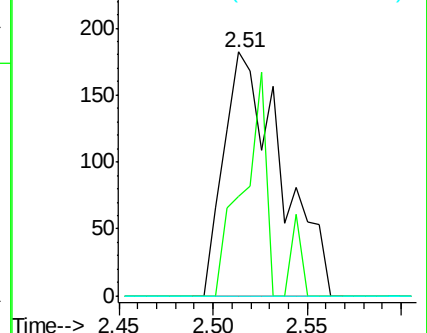
141 0.0 11.4 17.0#



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: 1.45 ug/l

RT: 3.09 min Scan# 410

Delta R.T. 0.01 min

Lab File: VX001340.D

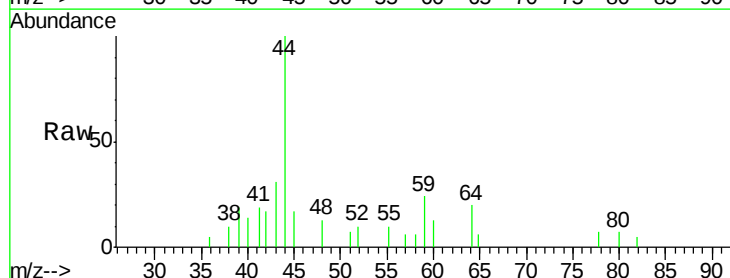
Acq: 03 May 2018 02:32

Tgt Ion: 59 Resp: 534

Ion Ratio Lower Upper

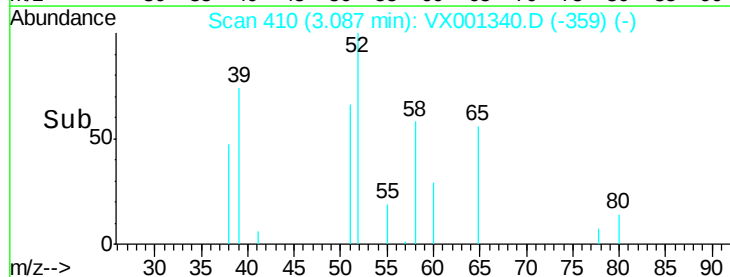
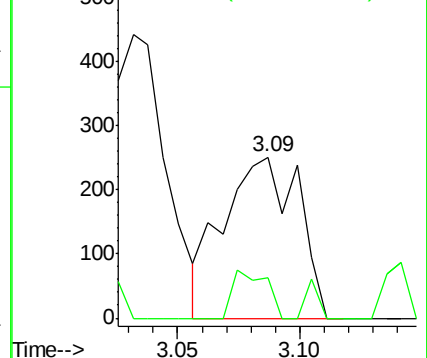
59 100

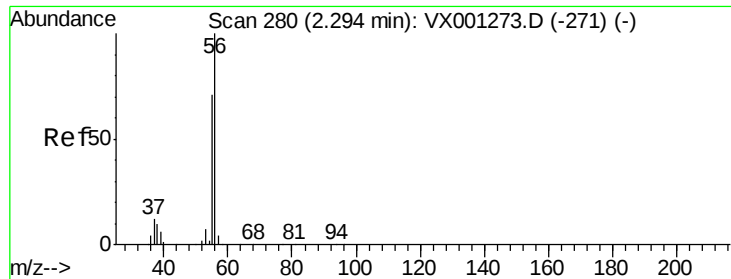
57 13.3 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.51 ug/l

RT: 2.31 min Scan# 283

Delta R.T. 0.02 min

Lab File: VX001340.D

Acq: 03 May 2018 02:32

Instrument :

MSVOA_X

ClientSampleId :

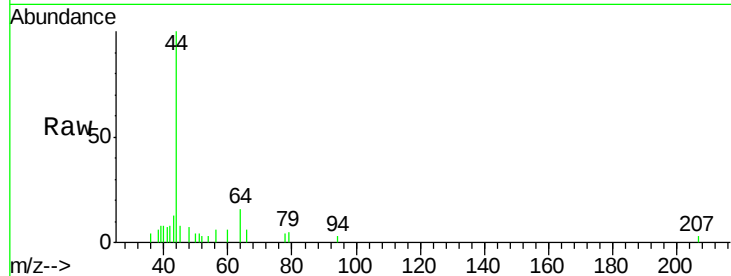
PB108794ZHE#19

Tgt Ion: 56 Resp: 108

Ion Ratio Lower Upper

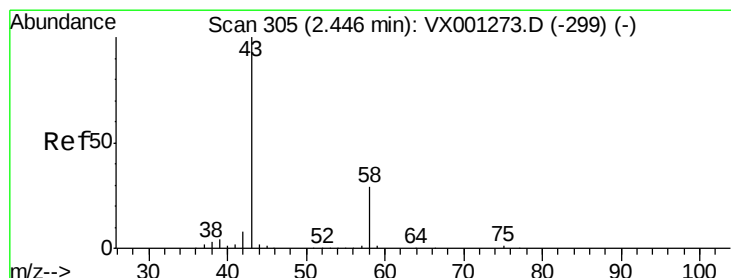
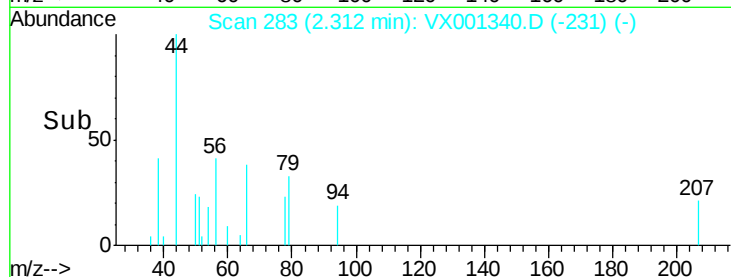
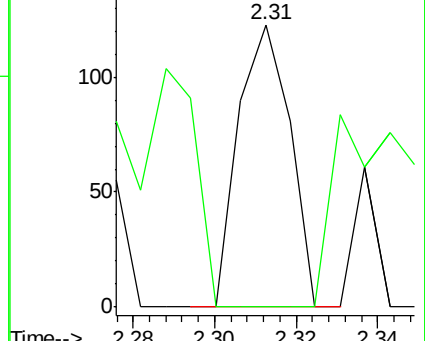
56 100

55 0.0 57.2 85.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 13.41 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001340.D

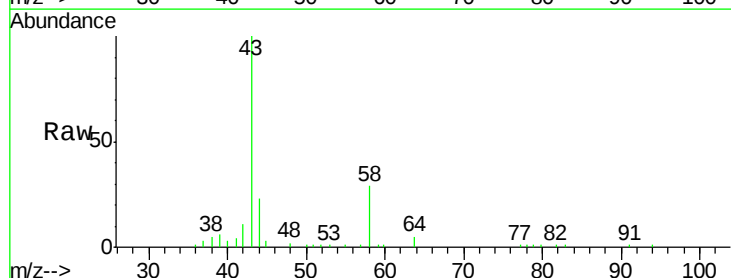
Acq: 03 May 2018 02:32

Tgt Ion: 43 Resp: 12227

Ion Ratio Lower Upper

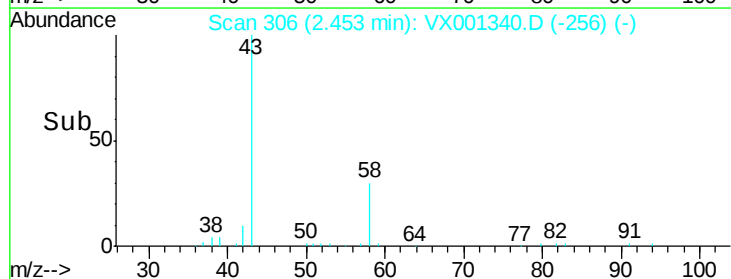
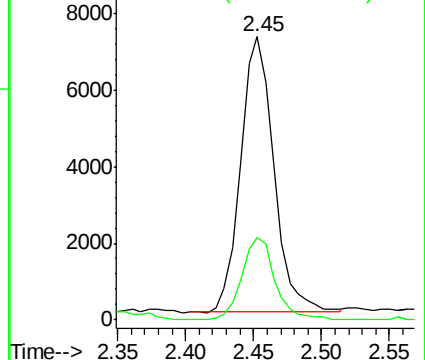
43 100

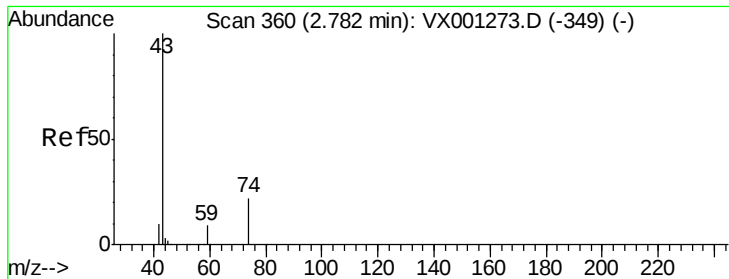
58 30.0 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

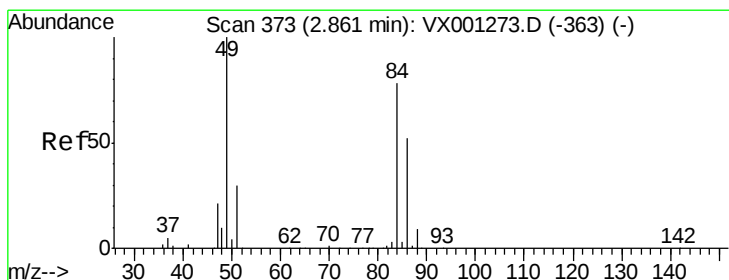
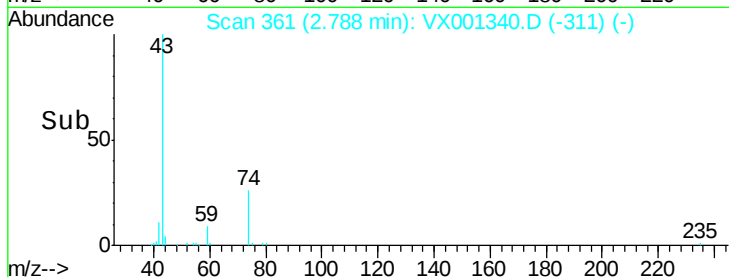
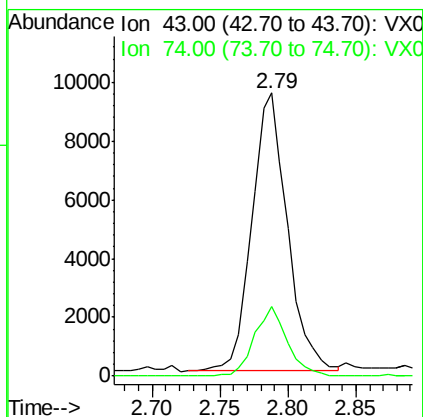
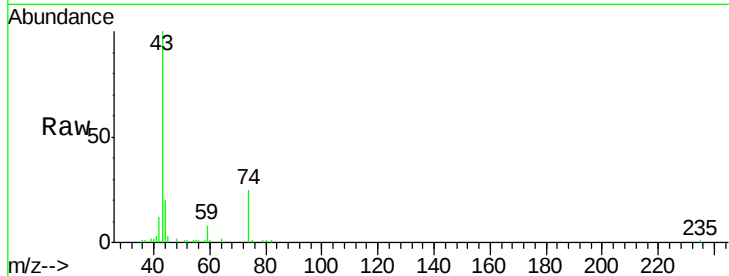




#18
Methyl Acetate
Concen: 8.01 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX001340.D
Acq: 03 May 2018 02:32

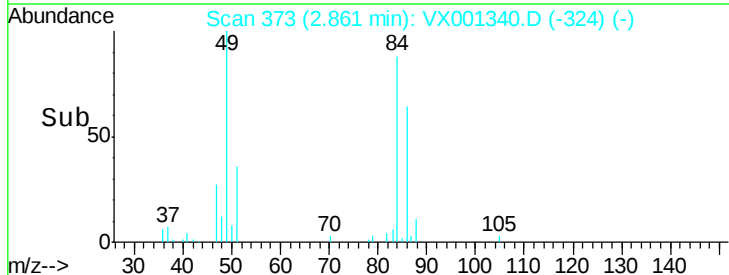
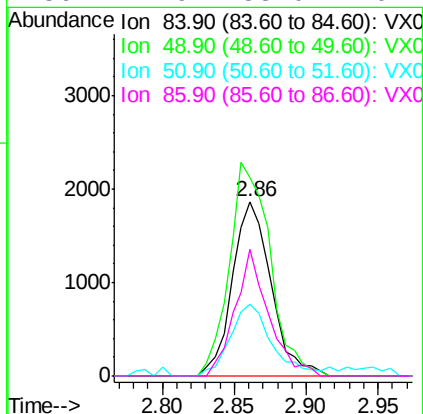
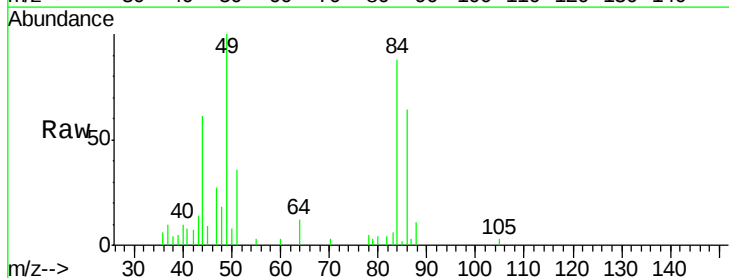
Instrument :
MSVOA_X
ClientSampleId :
PB108794ZHE#19

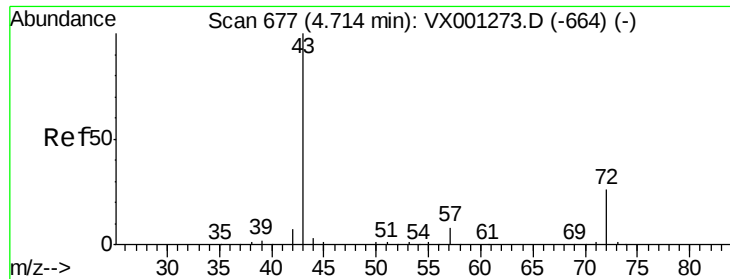
Tgt Ion: 43 Resp: 17256
Ion Ratio Lower Upper
43 100
74 23.3 17.8 26.6



#20
Methylene Chloride
Concen: 0.55 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001340.D
Acq: 03 May 2018 02:32

Tgt Ion: 84 Resp: 3494
Ion Ratio Lower Upper
84 100
49 114.3 102.8 154.2
51 41.4 30.9 46.3
86 72.9 53.0 79.4





#25

2-Butanone

Concen: 3.69 ug/l

RT: 4.73 min Scan# 680

Delta R.T. 0.02 min

Lab File: VX001340.D

Acq: 03 May 2018 02:32

Instrument :

MSVOA_X

ClientSampleId :

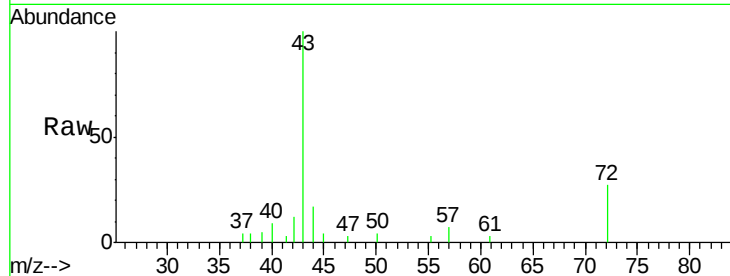
PB108794ZHE#19

Tgt Ion: 43 Resp: 4556

Ion Ratio Lower Upper

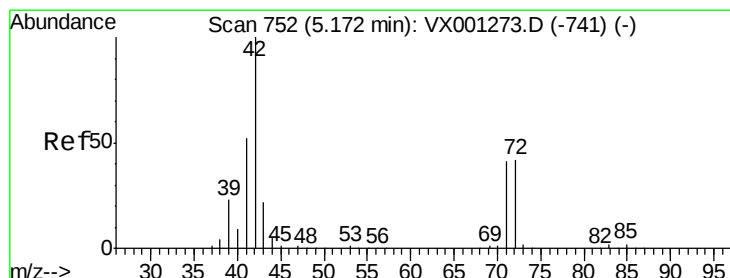
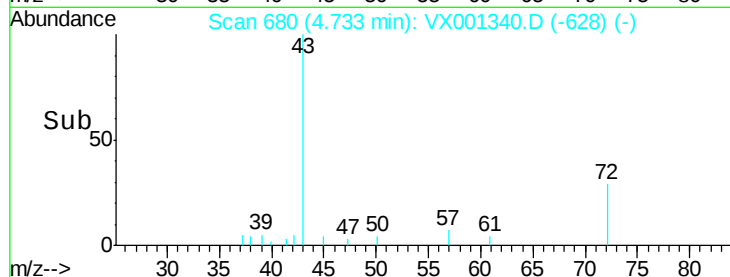
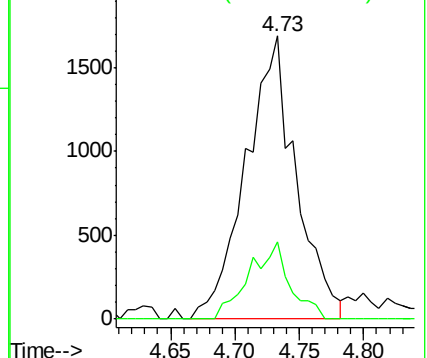
43 100

72 27.4 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: 1.32 ug/l

RT: 5.20 min Scan# 756

Delta R.T. 0.02 min

Lab File: VX001340.D

Acq: 03 May 2018 02:32

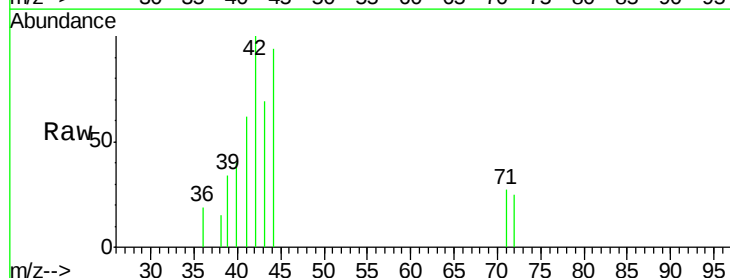
Tgt Ion: 42 Resp: 1000

Ion Ratio Lower Upper

42 100

72 29.9 34.6 52.0#

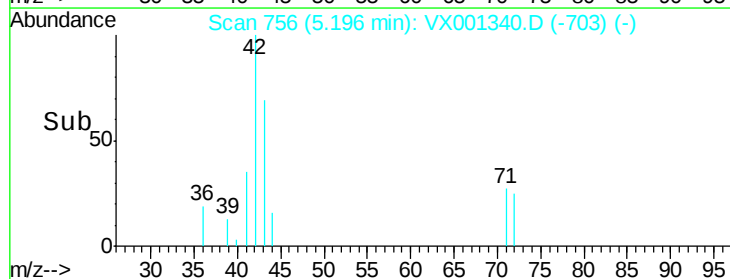
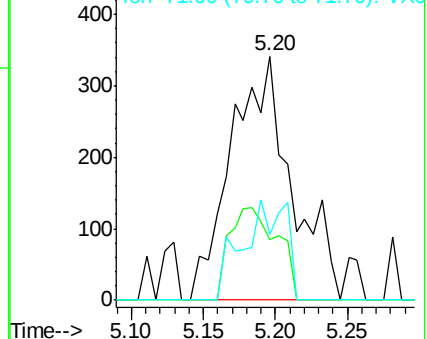
71 28.9 32.7 49.1#

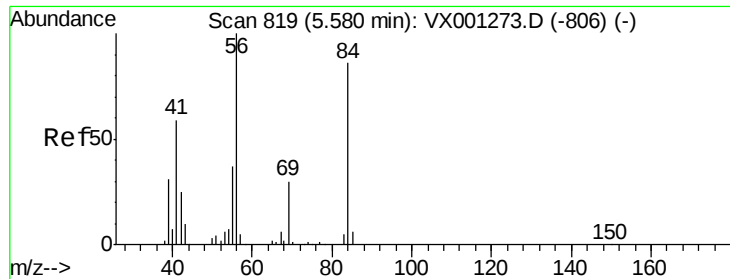


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

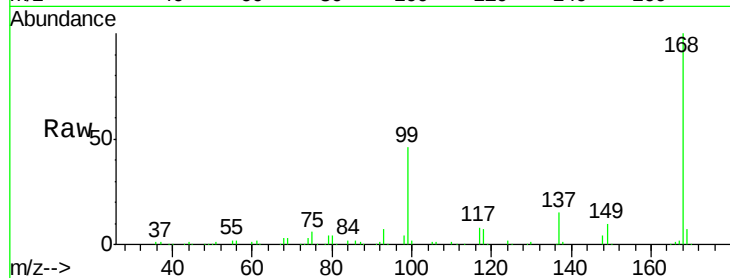




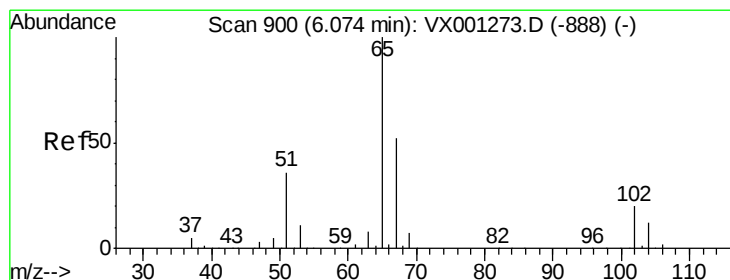
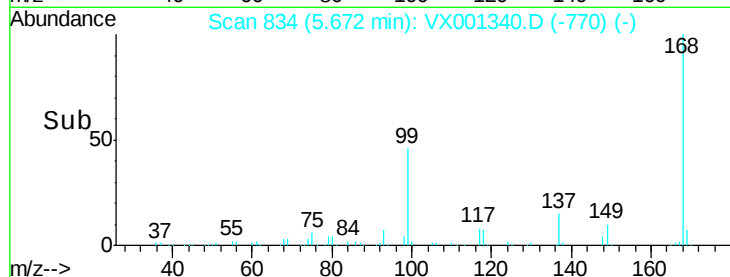
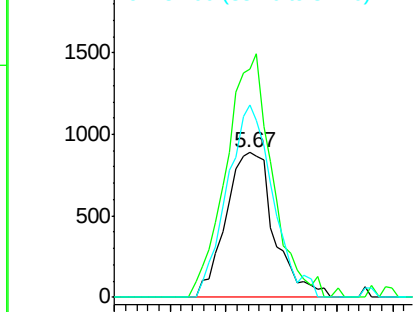
#31
Cyclohexane
Concen: 1.02 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX001340.D
Acq: 03 May 2018 02:32

Instrument :
MSVOA_X
ClientSampleId :
PB108794ZHE#19

Tgt Ion: 56 Resp: 2671
Ion Ratio Lower Upper
56 100
69 157.7 24.0 36.0#
84 132.9 69.0 103.4#

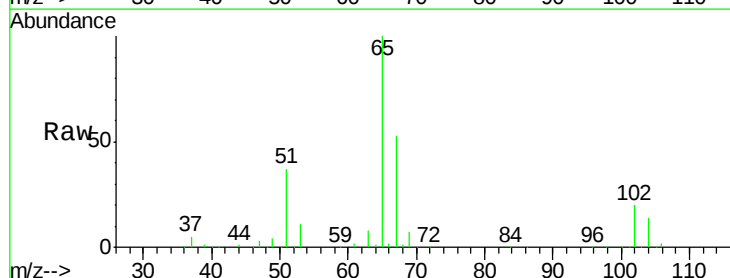


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

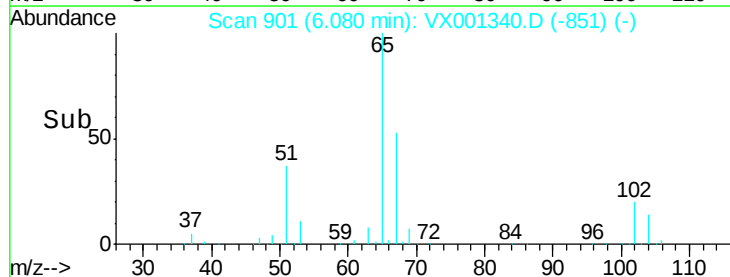
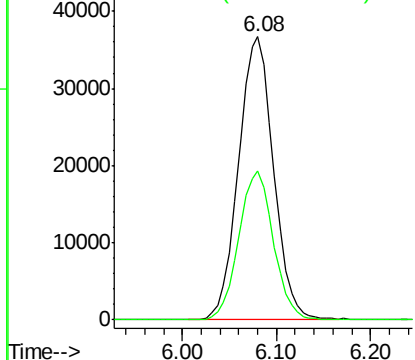


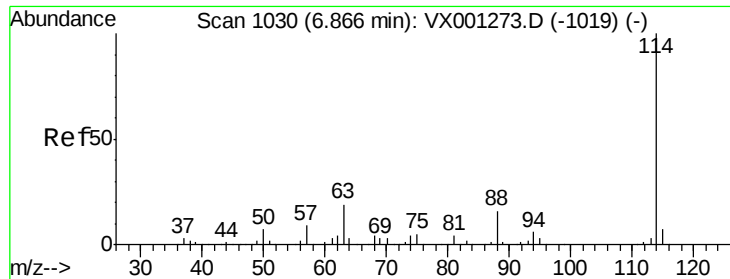
#33
1,2-Dichloroethane-d4
Concen: 44.61 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.01 min
Lab File: VX001340.D
Acq: 03 May 2018 02:32

Tgt Ion: 65 Resp: 95304
Ion Ratio Lower Upper
65 100
67 52.3 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

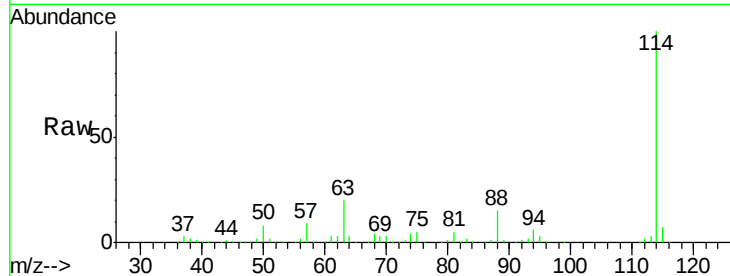




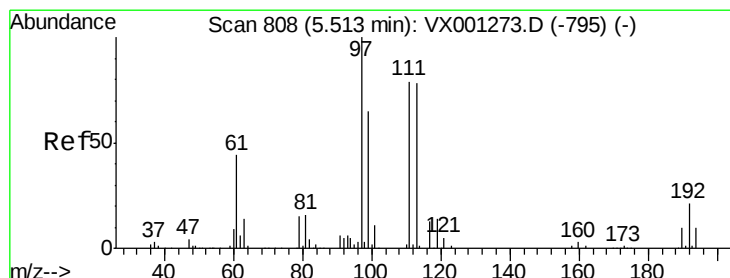
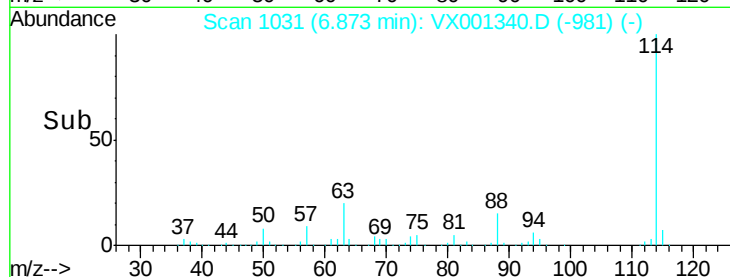
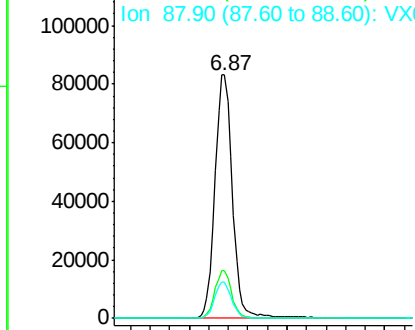
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001340.D
 Acq: 03 May 2018 02:32

Instrument :
 MSVOA_X
 ClientSampleId :
 PB108794ZHE#19

Tgt Ion:114 Resp: 206874
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.8
 88 14.9 0.0 32.2

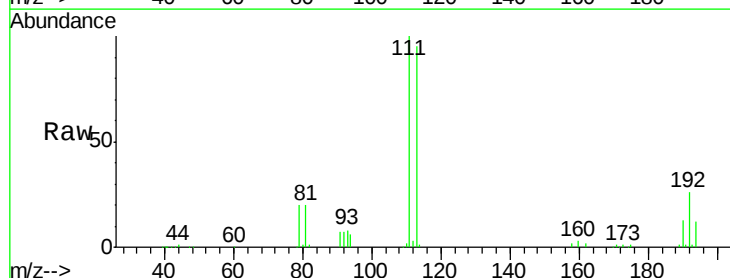


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

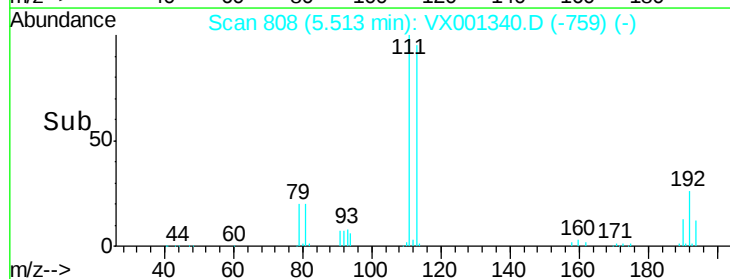
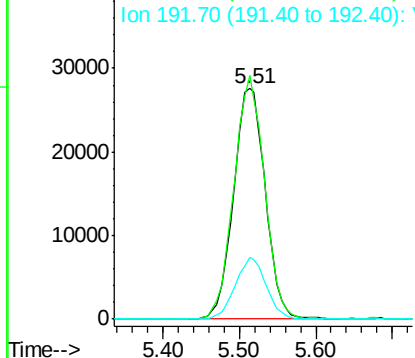


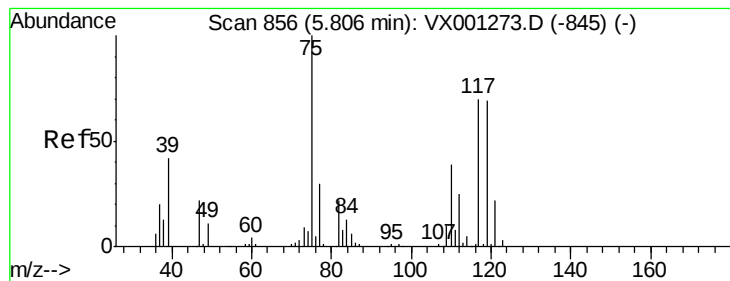
#35
 Dibromofluoromethane
 Concen: 44.58 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX001340.D
 Acq: 03 May 2018 02:32

Tgt Ion:113 Resp: 79449
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.2 121.8
 192 25.8 20.7 31.1



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: 3.86 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001340.D

Acq: 03 May 2018 02:32

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#19

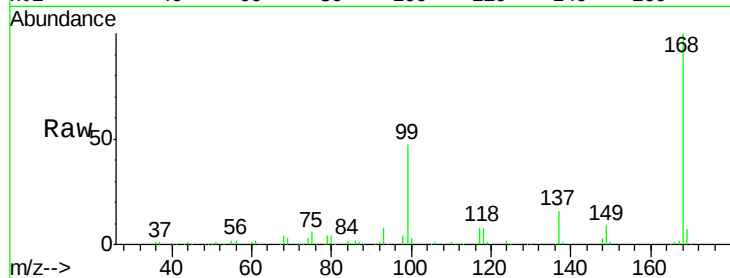
Tgt Ion: 75 Resp: 9220

Ion Ratio Lower Upper

75 100

110 10.1 18.9 56.9#

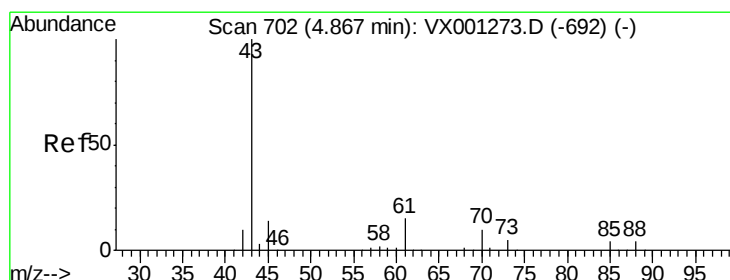
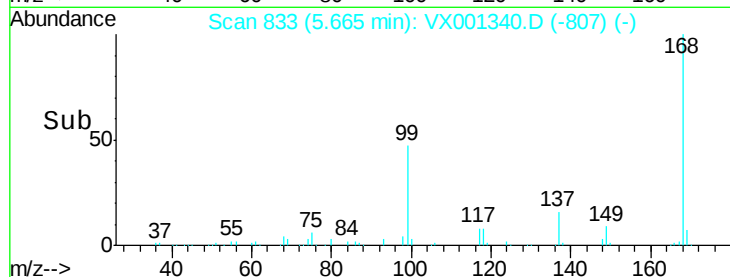
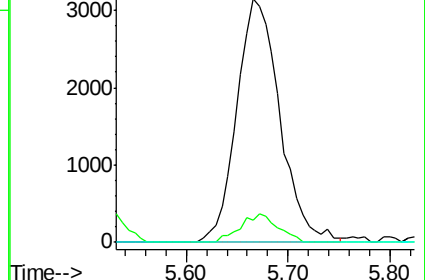
77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 1.89 ug/l

RT: 4.73 min Scan# 680

Delta R.T. -0.13 min

Lab File: VX001340.D

Acq: 03 May 2018 02:32

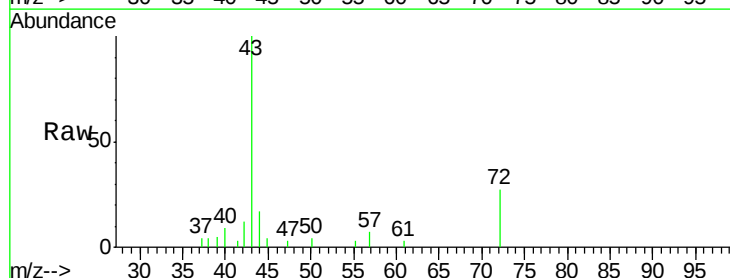
Tgt Ion: 43 Resp: 4556

Ion Ratio Lower Upper

43 100

61 2.9 10.7 16.1#

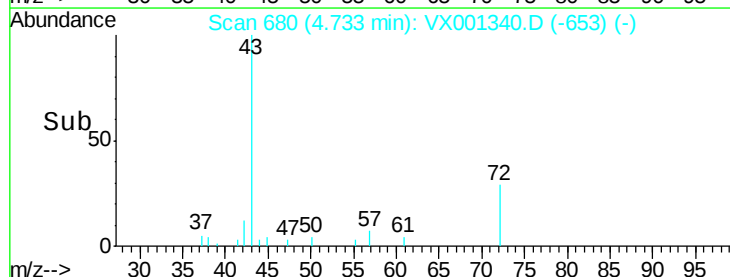
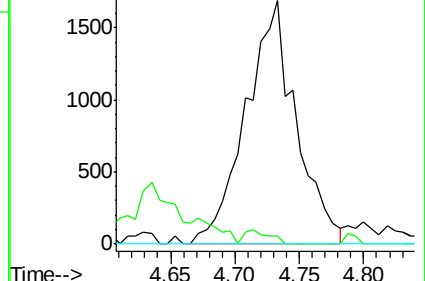
70 0.0 8.0 12.0#

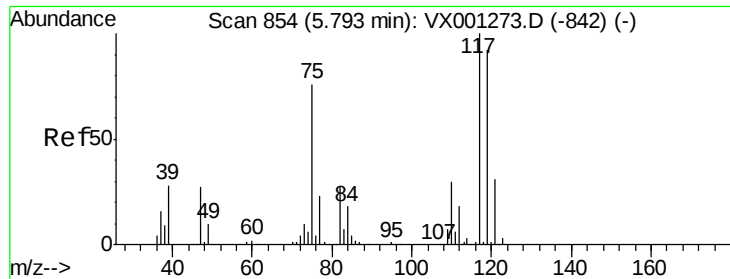


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 5.15 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001340.D

Acq: 03 May 2018 02:32

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#19

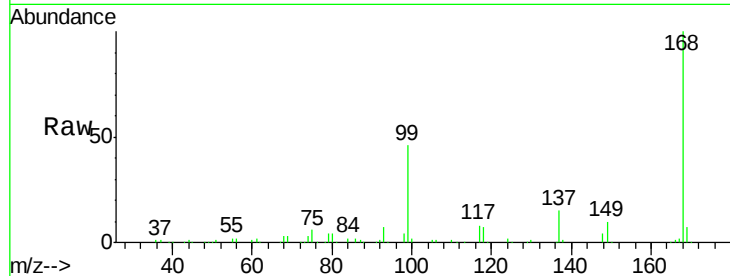
Tgt Ion:117 Resp: 12883

Ion Ratio Lower Upper

117 100

119 5.3 73.4 110.2#

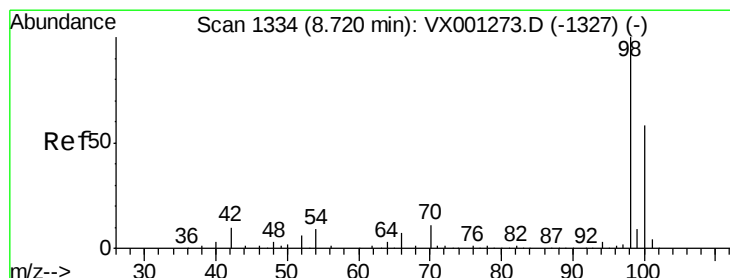
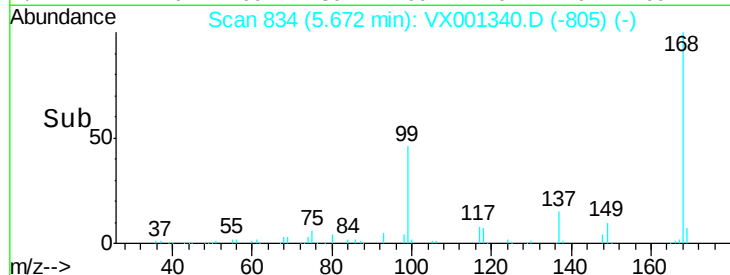
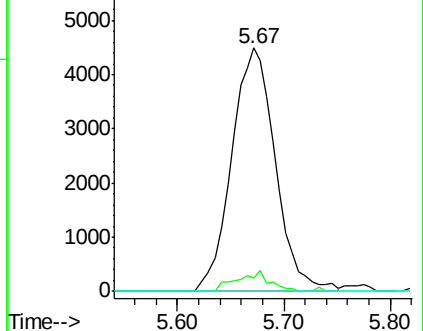
121 0.0 25.0 37.4#



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: 45.40 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001340.D

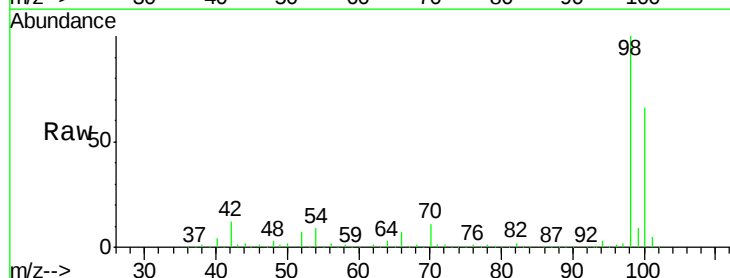
Acq: 03 May 2018 02:32

Tgt Ion: 98 Resp: 289054

Ion Ratio Lower Upper

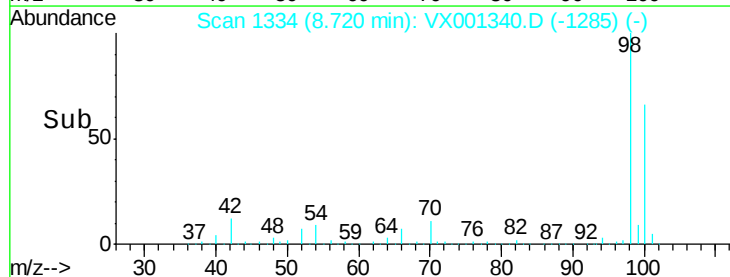
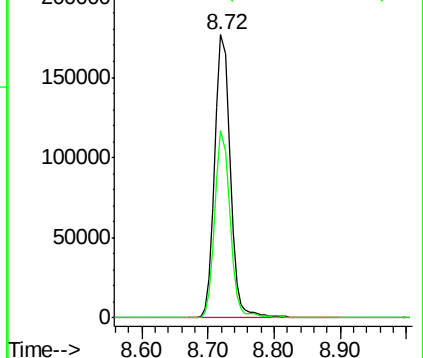
98 100

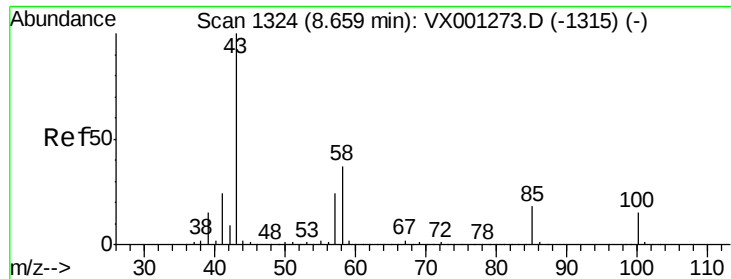
100 64.6 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.28 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001340.D

Acq: 03 May 2018 02:32

Instrument :

MSVOA_X

ClientSampleId :

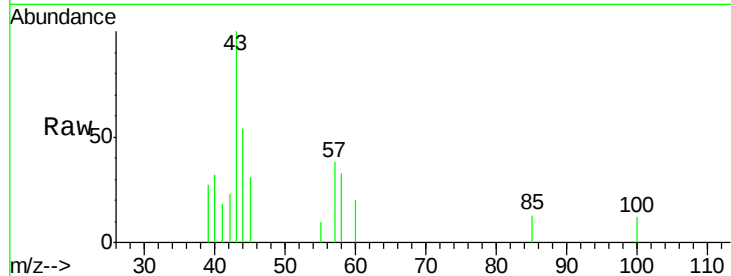
PB108794ZHE#19

Tgt Ion: 43 Resp: 702

Ion Ratio Lower Upper

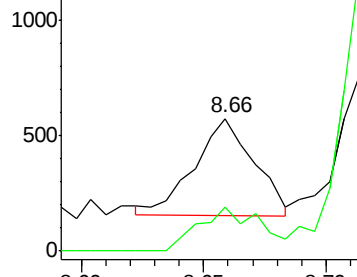
43 100

58 46.4 29.0 43.6#

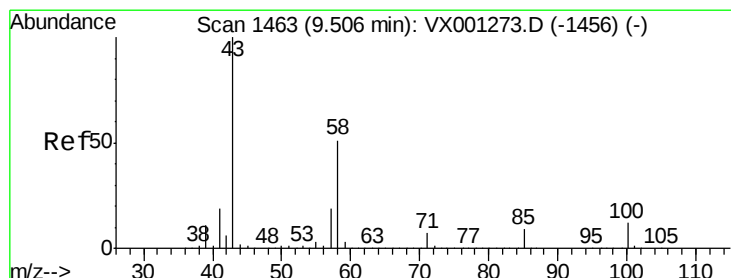
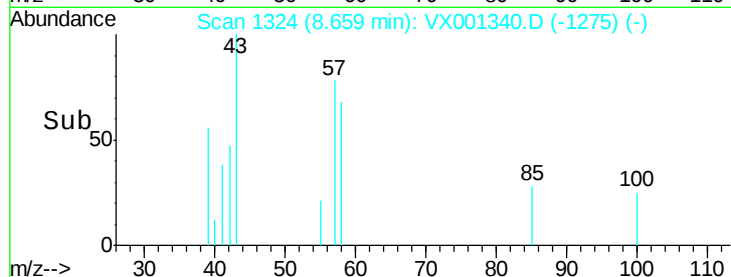


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#59

2-Hexanone

Concen: 0.35 ug/l

RT: 9.51 min Scan# 1463

Delta R.T. 0.00 min

Lab File: VX001340.D

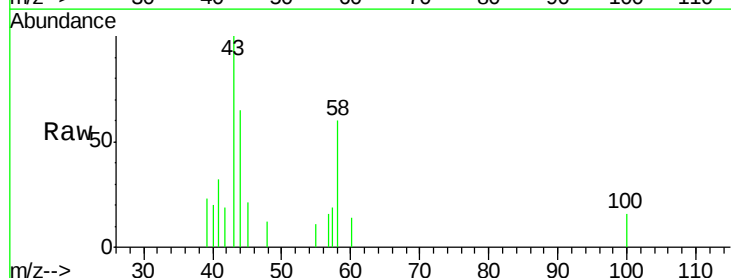
Acq: 03 May 2018 02:32

Tgt Ion: 43 Resp: 696

Ion Ratio Lower Upper

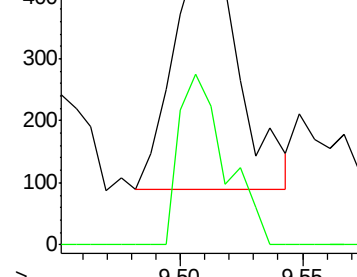
43 100

58 52.4 25.7 77.0

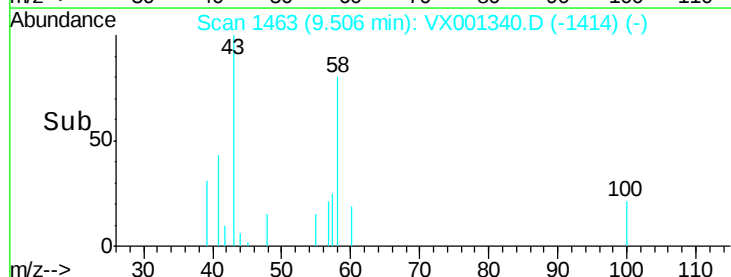


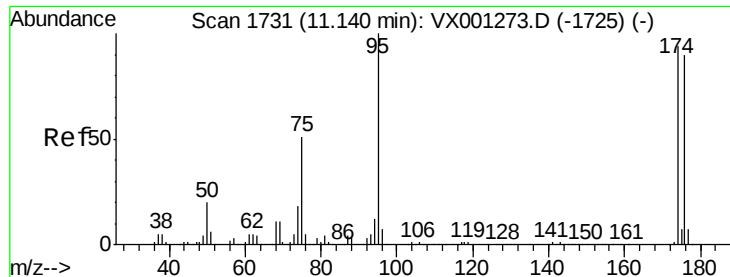
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->

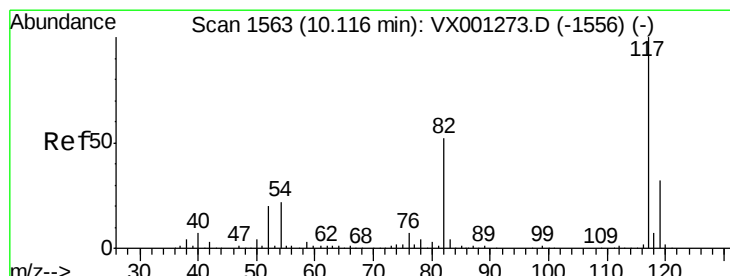
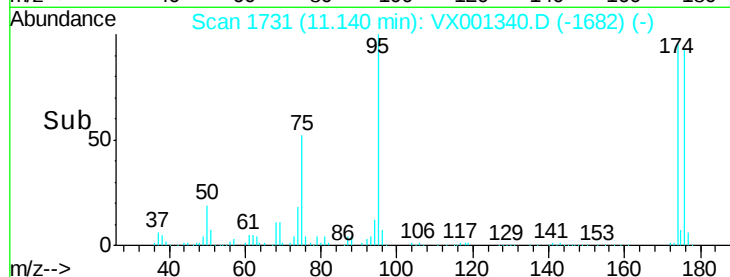
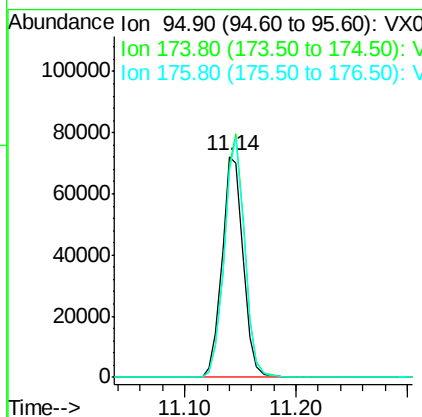
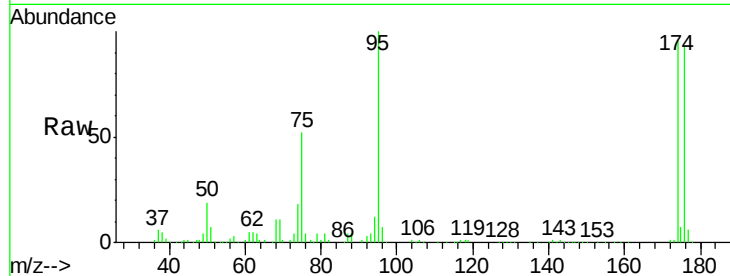




#62
4-Bromofluorobenzene
Concen: 37.24 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001340.D
Acq: 03 May 2018 02:32

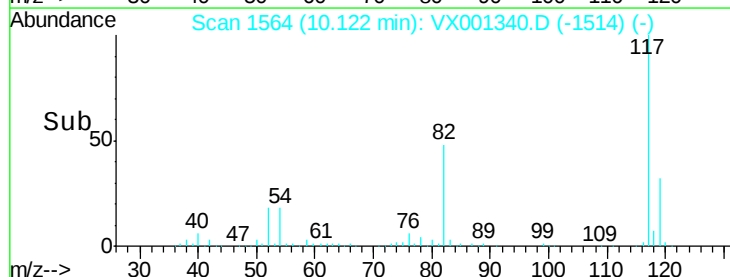
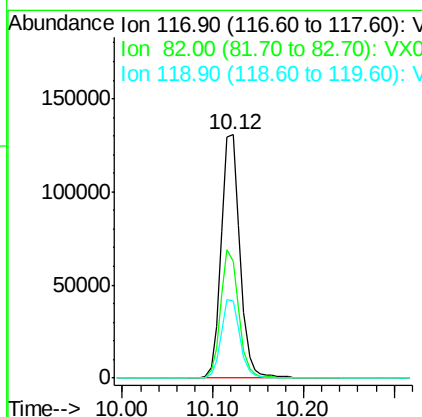
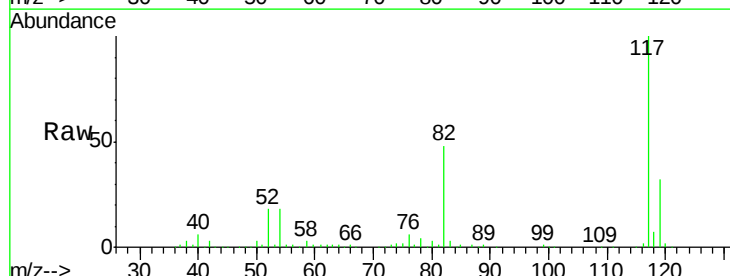
Instrument :
MSVOA_X
ClientSampleId :
PB108794ZHE#19

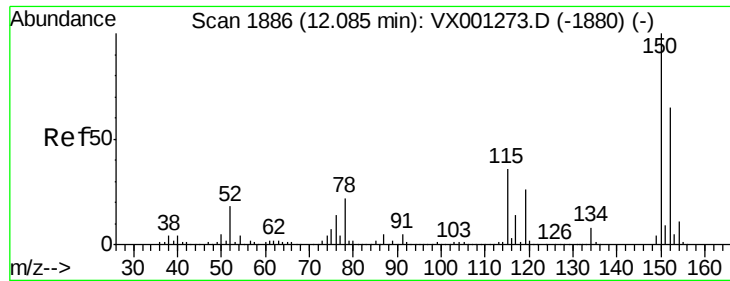
Tgt Ion: 95 Resp: 94819
Ion Ratio Lower Upper
95 100
174 106.2 0.0 201.8
176 103.6 0.0 197.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001340.D
Acq: 03 May 2018 02:32

Tgt Ion: 117 Resp: 188702
Ion Ratio Lower Upper
117 100
82 48.1 41.4 62.0
119 31.5 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001340.D

Acq: 03 May 2018 02:32

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#19

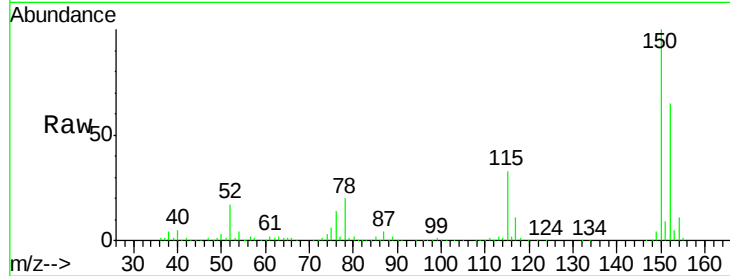
Tgt Ion:152 Resp: 106969

Ion Ratio Lower Upper

152 100

115 51.5 38.6 115.7

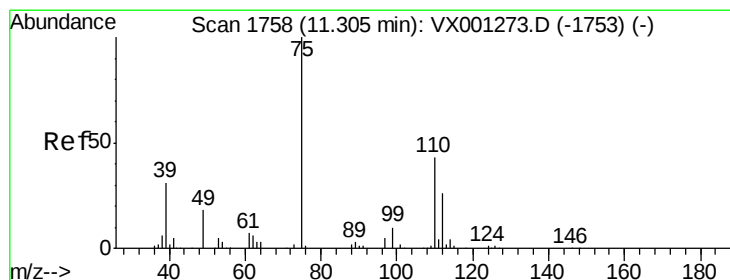
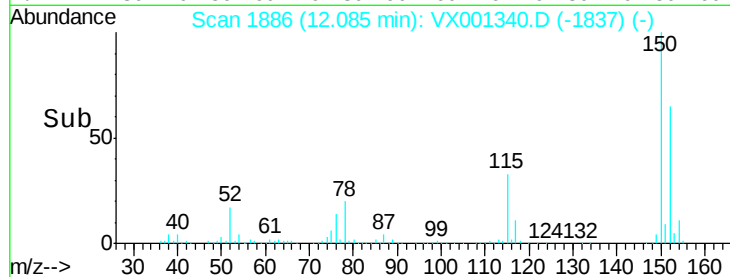
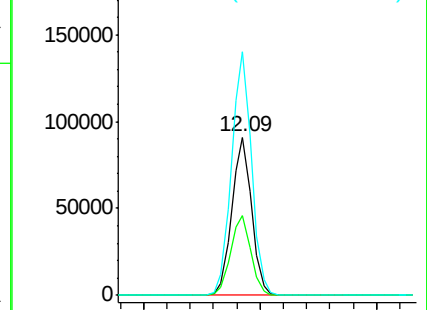
150 155.8 0.0 349.2



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: 24.69 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001340.D

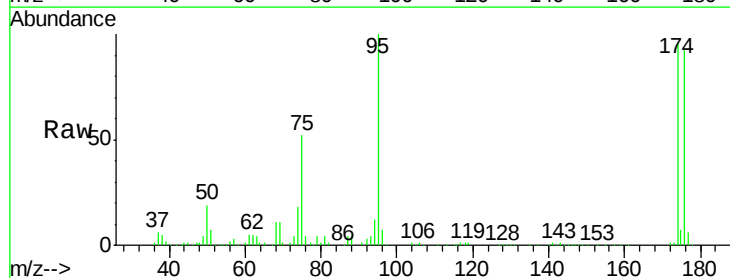
Acq: 03 May 2018 02:32

Tgt Ion: 75 Resp: 48835

Ion Ratio Lower Upper

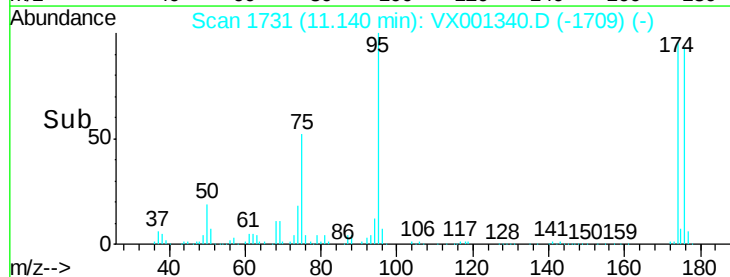
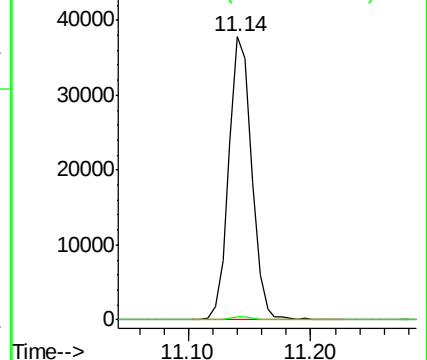
75 100

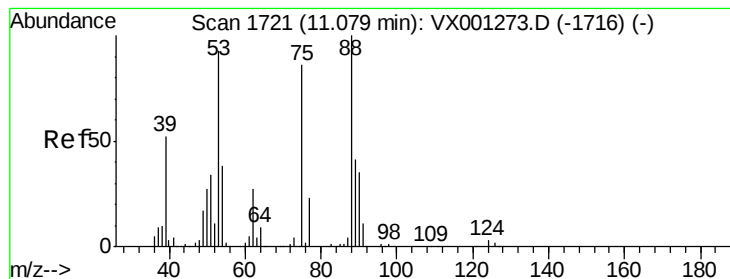
77 1.1 18.9 56.5#



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: 77.72 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001340.D

Acq: 03 May 2018 02:32

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#19

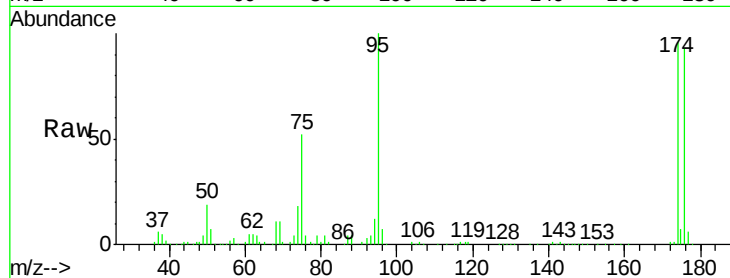
Tgt Ion: 75 Resp: 48835

Ion Ratio Lower Upper

75 100

53 0.2 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

