

Data File : VX001350.D
Acq On : 03 May 2018 07:00
Operator : JC/MD
Sample : PB108794ZHE#09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB108794ZHE#09

Quant Time: May 03 08:15:04 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	155159	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	210300	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	192248	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	108273	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	98057	45.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.30%	
35) Dibromofluoromethane	5.51	113	81048	44.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.46%	
50) Toluene-d8	8.72	98	298350	46.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.18%	
62) 4-Bromofluorobenzene	11.14	95	97540	37.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.36%	

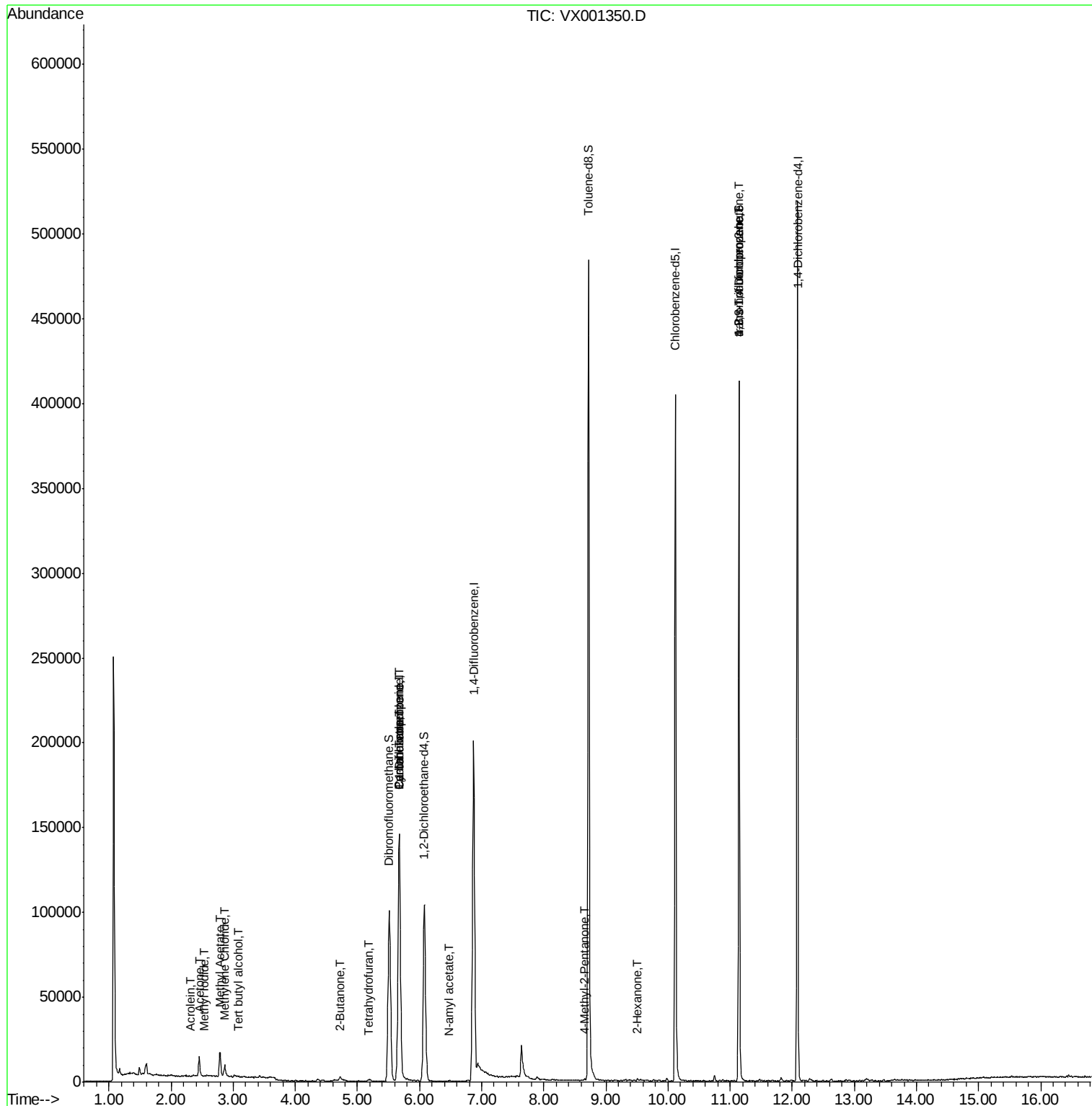
Target Compounds			Qvalue			
5) Bromomethane	1.67	94	294	Below Cal	#	48
10) Methyl Iodide	2.53	142	193	4.42	ug/l #	55
11) Tert butyl alcohol	3.08	59	509	1.38	ug/l #	70
13) Acrolein	2.31	56	108	0.51	ug/l #	14
16) Acetone	2.45	43	11877	12.95	ug/l	99
18) Methyl Acetate	2.79	43	17334	8.01	ug/l	98
20) Methylene Chloride	2.87	84	3066	0.27	ug/l #	89
25) 2-Butanone	4.72	43	4286	3.46	ug/l #	81
29) Tetrahydrofuran	5.18	42	999	1.31	ug/l #	59
31) Cyclohexane	5.67	56	2973	1.13	ug/l #	18
36) 1,1-Dichloropropene	5.68	75	9355	3.85	ug/l #	50
38) Carbon Tetrachloride	5.67	117	13275	5.22	ug/l #	18
51) 4-Methyl-2-Pentanone	8.66	43	626	0.24	ug/l #	80
59) 2-Hexanone	9.51	43	936	0.47	ug/l	96
74) N-amyl acetate	6.47	43	768	0.25	ug/l #	59
76) 1,2,3-Trichloropropane	11.14	75	49257	24.60	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	49257	77.46	ug/l #	6

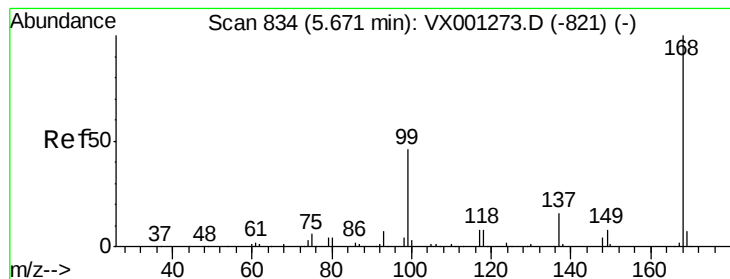
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001350.D

Acq: 03 May 2018 07:00

Instrument :

MSVOA_X

ClientSampleId :

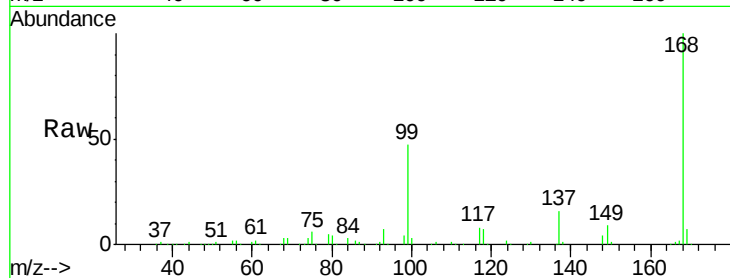
PB108794ZHE#09

Tgt Ion:168 Resp: 155159

Ion Ratio Lower Upper

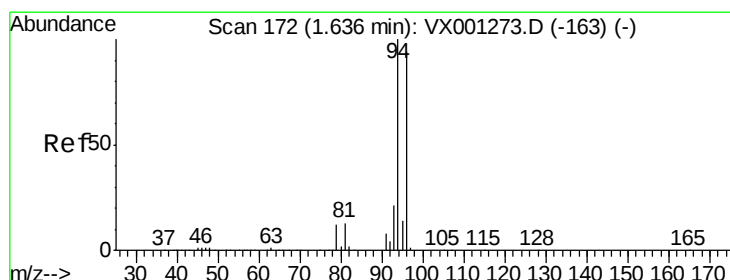
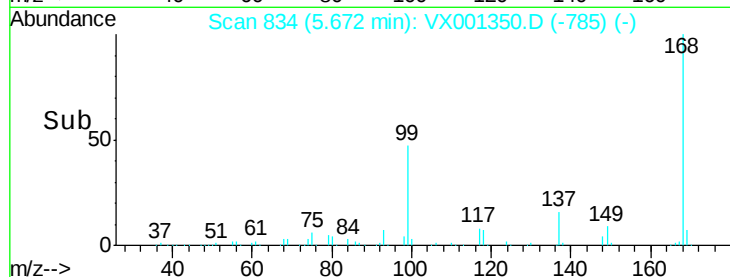
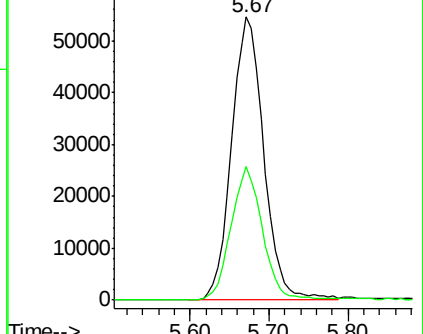
168 100

99 47.0 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: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX001350.D

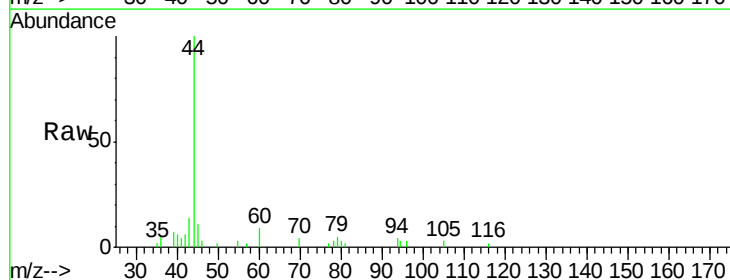
Acq: 03 May 2018 07:00

Tgt Ion: 94 Resp: 294

Ion Ratio Lower Upper

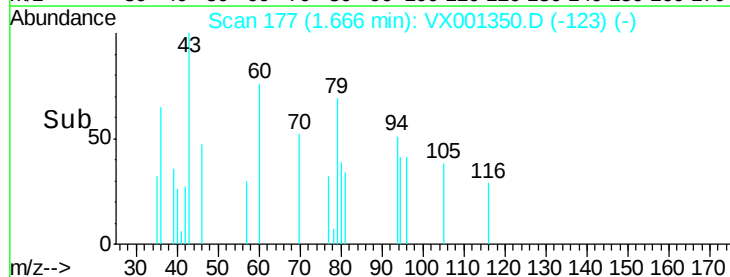
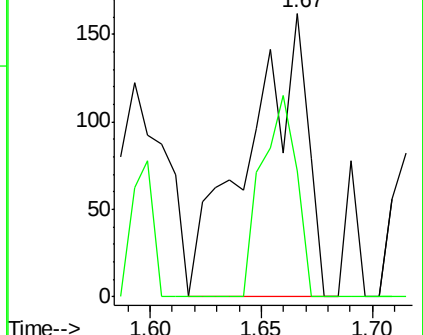
94 100

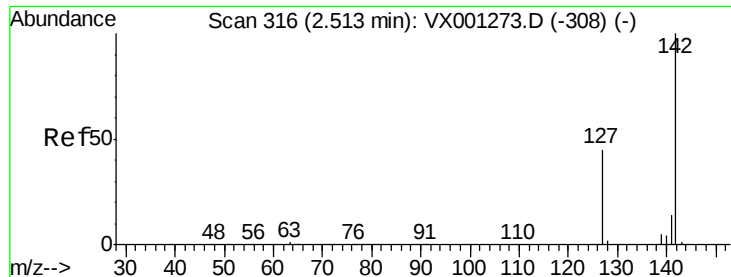
96 44.4 75.6 113.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

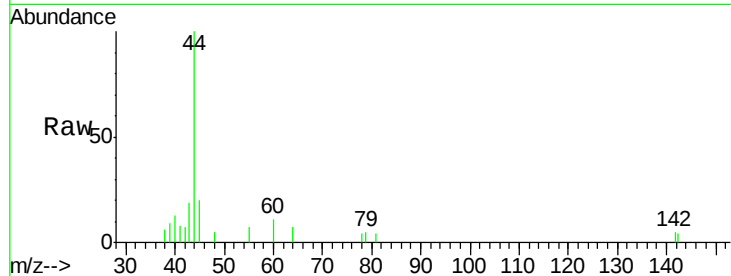




#10
Methyl Iodide
Concen: 4.42 ug/l
RT: 2.53 min Scan# 319
Delta R.T. 0.02 min
Lab File: VX001350.D
Acq: 03 May 2018 07:00

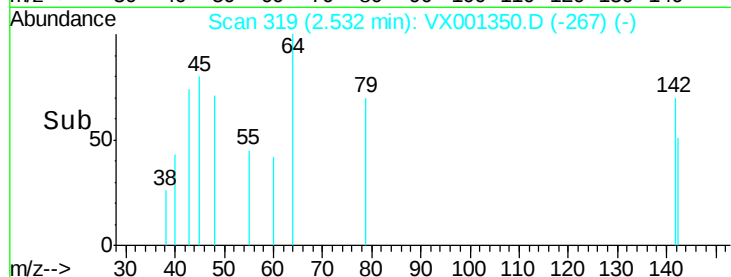
Instrument :
MSVOA_X
ClientSampleId :
PB108794ZHE#09

Tgt Ion: 142 Resp: 193
Ion Ratio Lower Upper
142 100
127 13.0 35.7 53.5#
141 0.0 11.4 17.0#

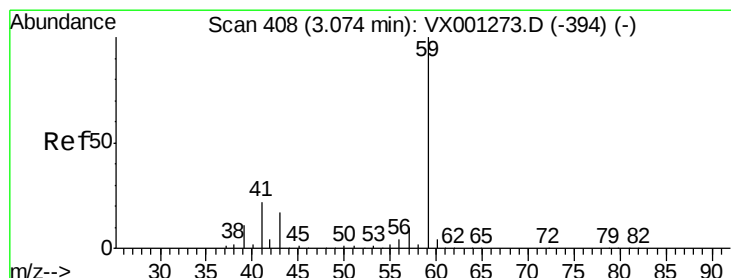


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

2.53

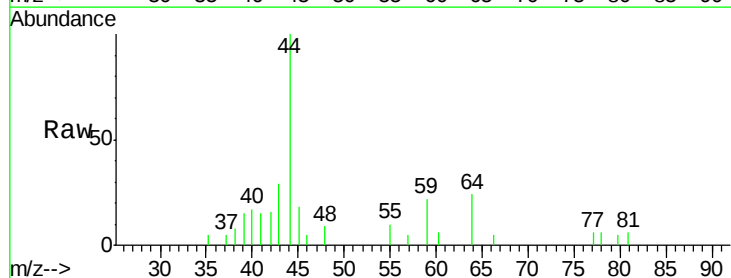


Time-->



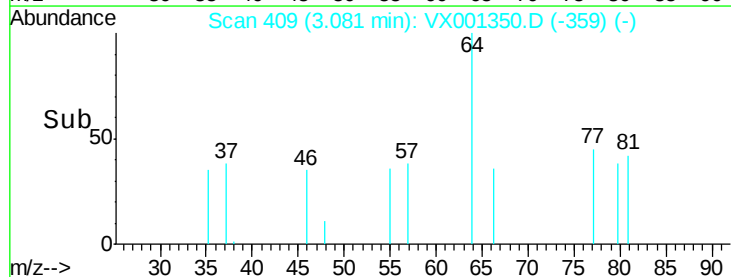
#11
Tert butyl alcohol
Concen: 1.38 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX001350.D
Acq: 03 May 2018 07:00

Tgt Ion: 59 Resp: 509
Ion Ratio Lower Upper
59 100
57 22.0 8.6 12.8#

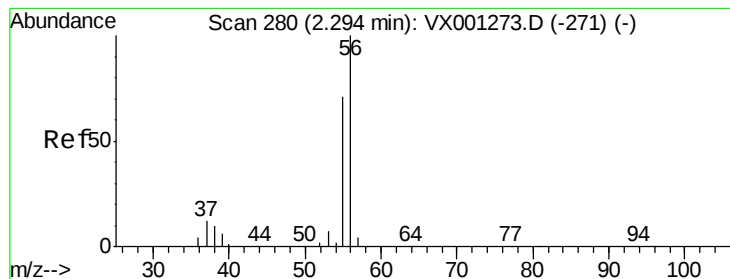


Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

3.08



Time-->



#13

Acrolein

Concen: 0.51 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX001350.D

Acq: 03 May 2018 07:00

Instrument :

MSVOA_X

ClientSampleId :

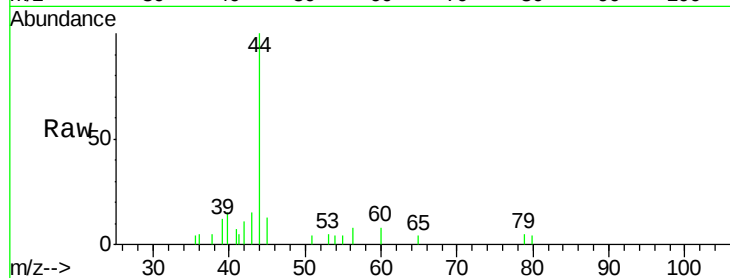
PB108794ZHE#09

Tgt Ion: 56 Resp: 108

Ion Ratio Lower Upper

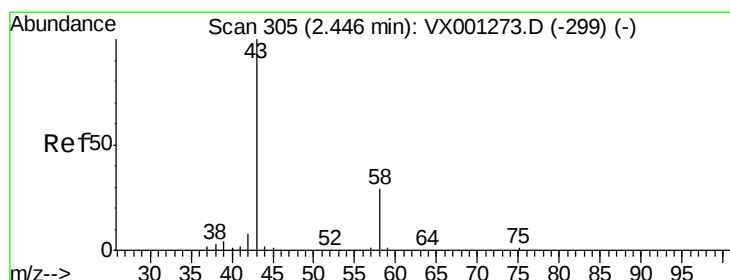
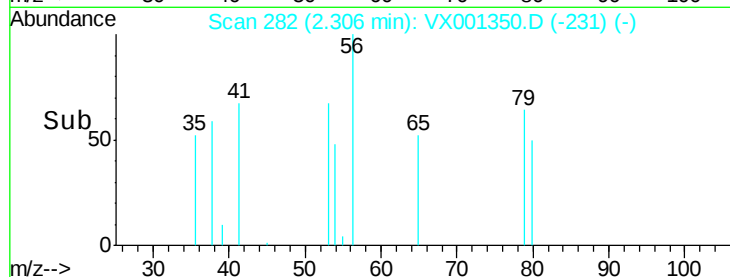
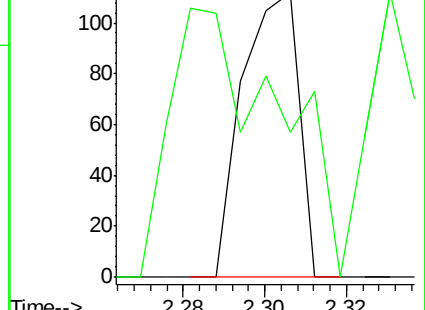
56 100

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: 12.95 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001350.D

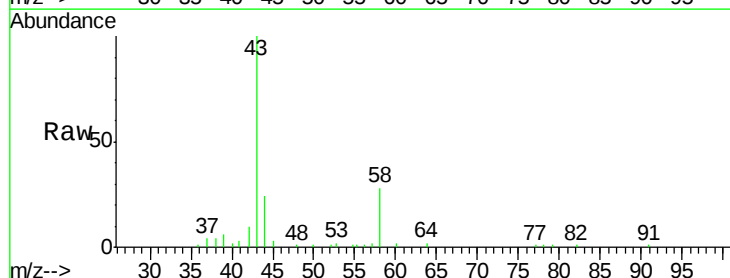
Acq: 03 May 2018 07:00

Tgt Ion: 43 Resp: 11877

Ion Ratio Lower Upper

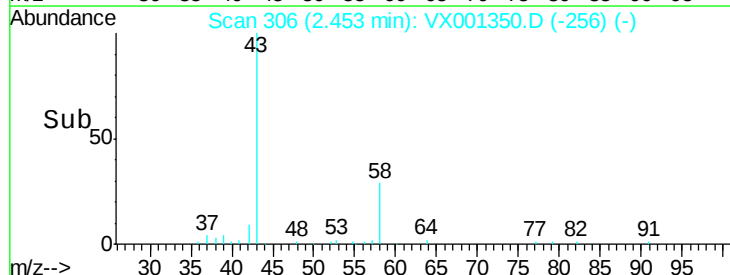
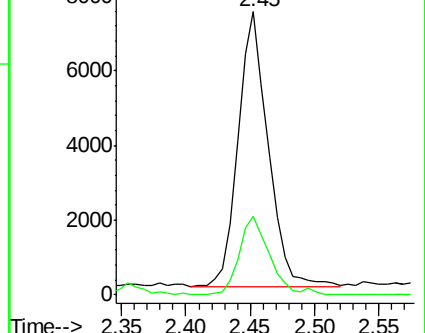
43 100

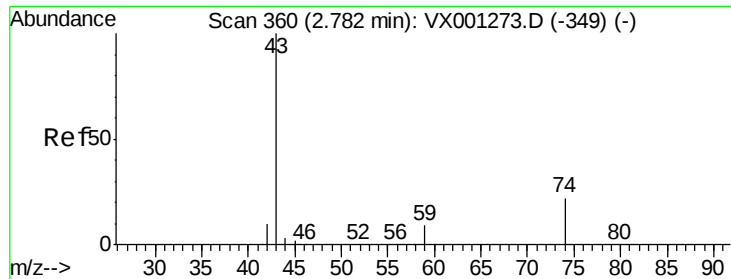
58 28.8 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

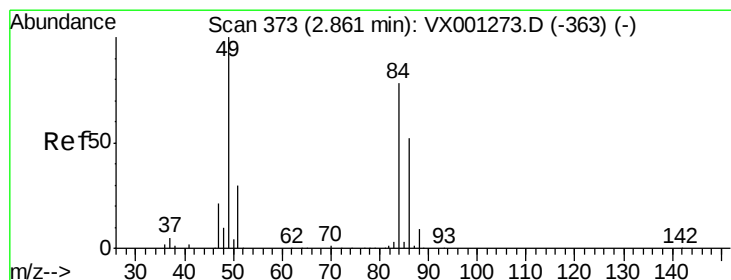
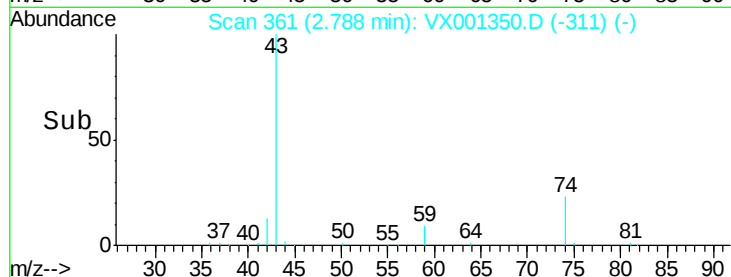
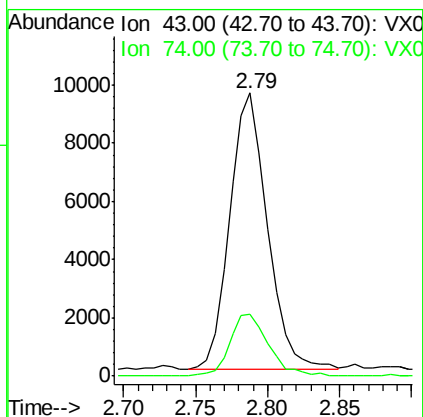
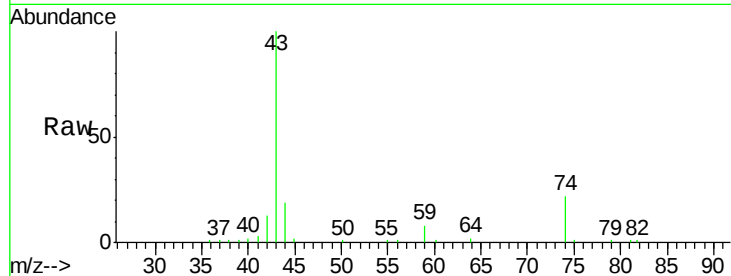




#18
Methyl Acetate
Concen: 8.01 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX001350.D
Acq: 03 May 2018 07:00

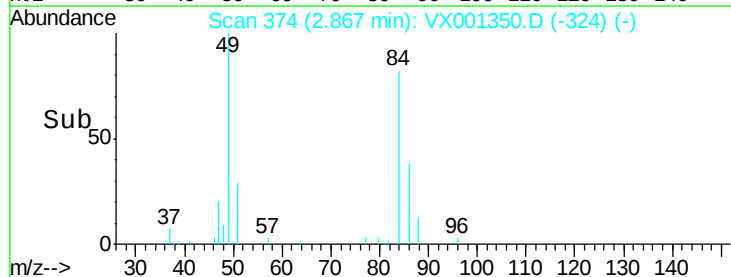
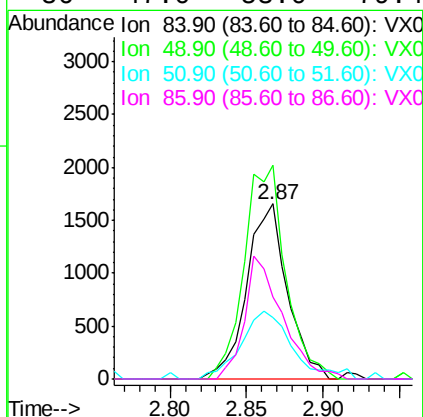
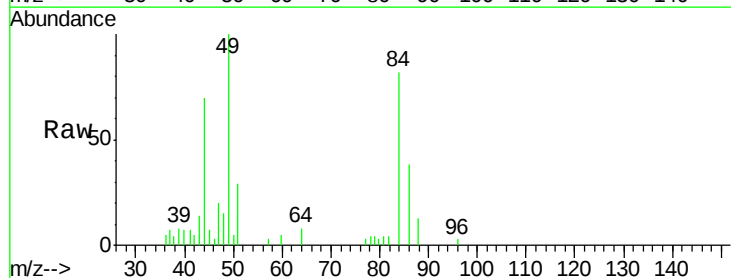
Instrument :
MSVOA_X
ClientSampleId :
PB108794ZHE#09

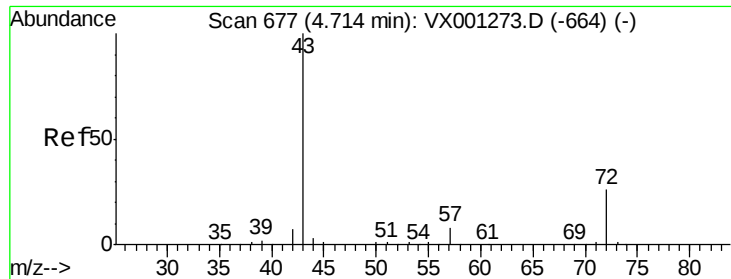
Tgt Ion: 43 Resp: 17334
Ion Ratio Lower Upper
43 100
74 23.0 17.8 26.6



#20
Methylene Chloride
Concen: 0.27 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX001350.D
Acq: 03 May 2018 07:00

Tgt Ion: 84 Resp: 3066
Ion Ratio Lower Upper
84 100
49 122.2 102.8 154.2
51 34.9 30.9 46.3
86 47.0 53.0 79.4#





#25

2-Butanone

Concen: 3.46 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX001350.D

Acq: 03 May 2018 07:00

Instrument :

MSVOA_X

ClientSampleId :

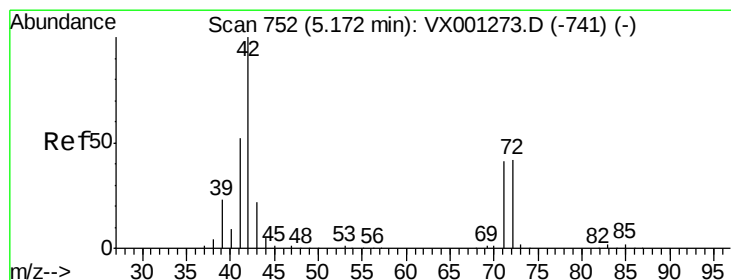
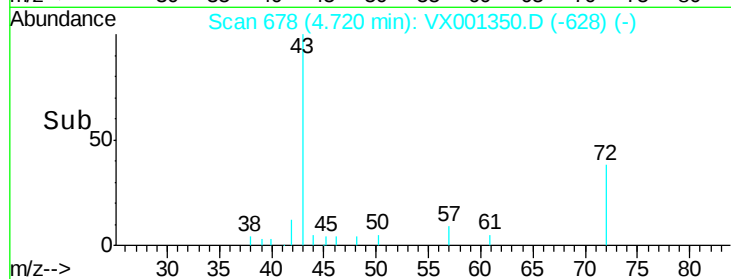
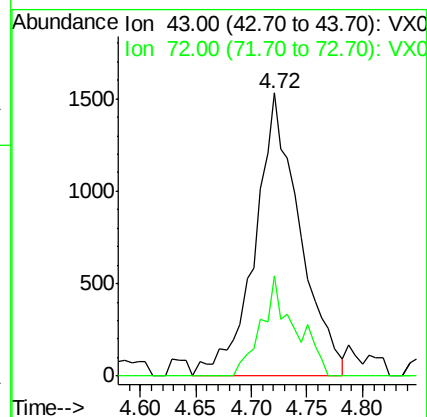
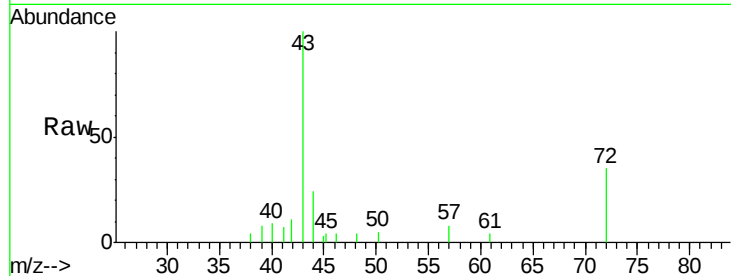
PB108794ZHE#09

Tgt Ion: 43 Resp: 4286

Ion Ratio Lower Upper

43 100

72 35.4 20.5 30.7#



#29

Tetrahydrofuran

Concen: 1.31 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX001350.D

Acq: 03 May 2018 07:00

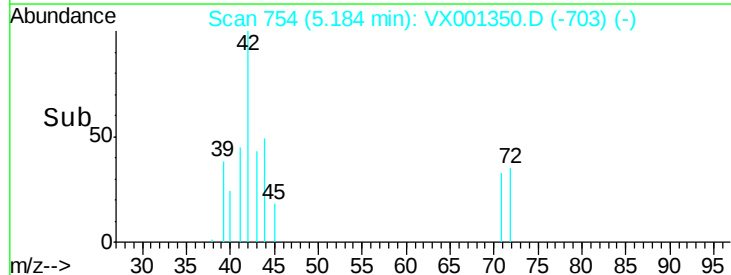
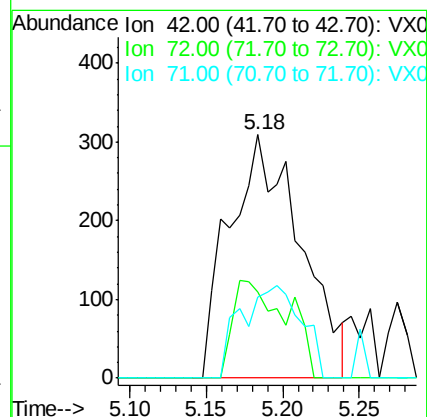
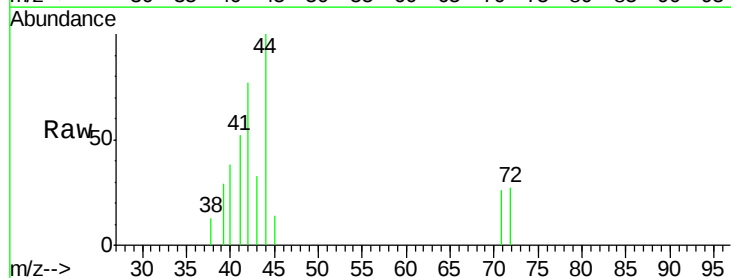
Tgt Ion: 42 Resp: 999

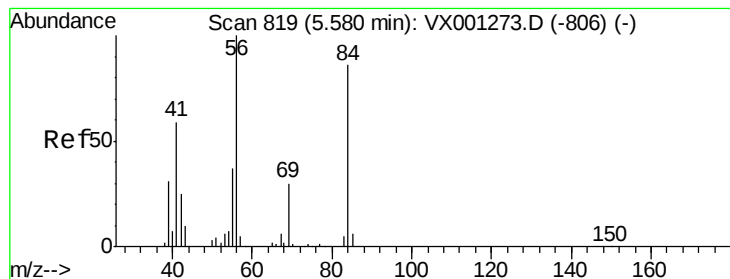
Ion Ratio Lower Upper

42 100

72 0.0 34.6 52.0#

71 32.2 32.7 49.1#





#31

Cyclohexane

Concen: 1.13 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001350.D

Acq: 03 May 2018 07:00

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#09

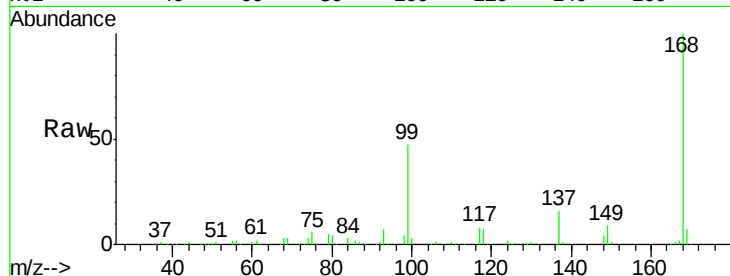
Tgt Ion: 56 Resp: 2973

Ion Ratio Lower Upper

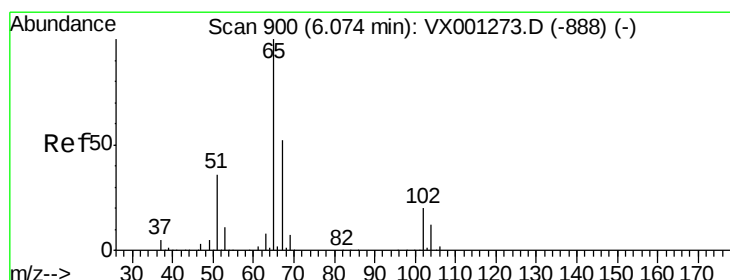
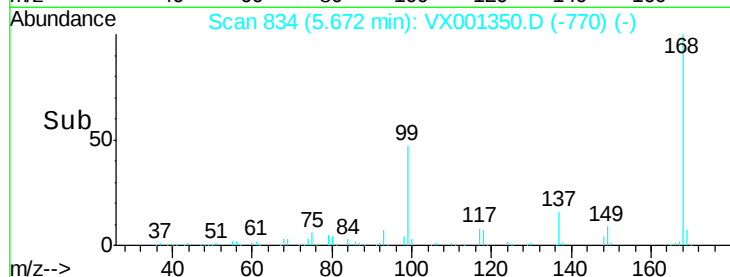
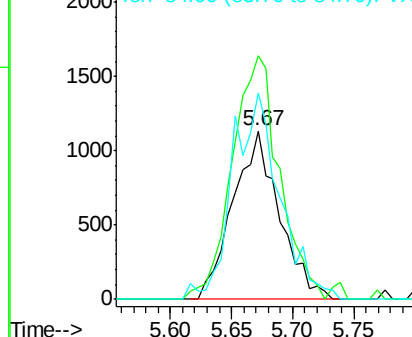
56 100

69 139.8 24.0 36.0#

84 123.1 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: 45.65 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001350.D

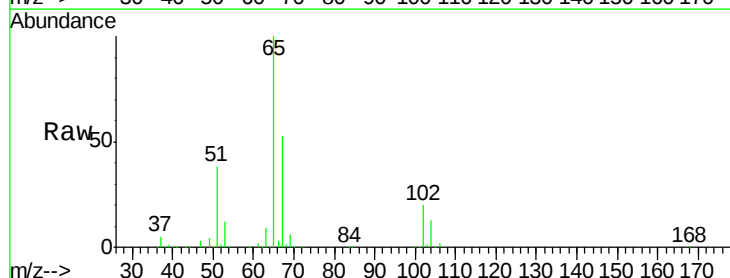
Acq: 03 May 2018 07:00

Tgt Ion: 65 Resp: 98057

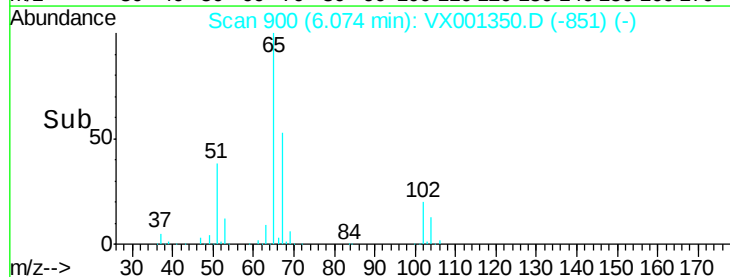
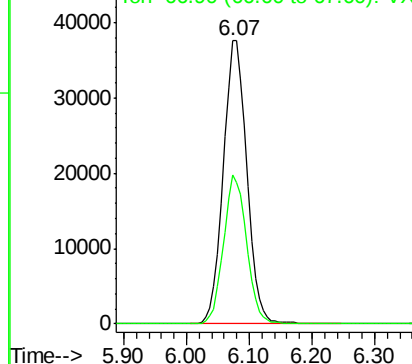
Ion Ratio Lower Upper

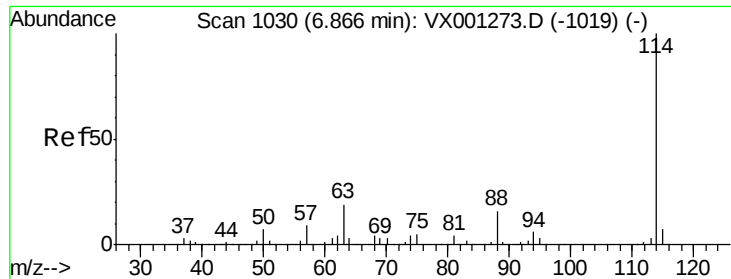
65 100

67 51.4 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# 1030

Delta R.T. 0.00 min

Lab File: VX001350.D

Acq: 03 May 2018 07:00

Instrument :

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PB108794ZHE#09

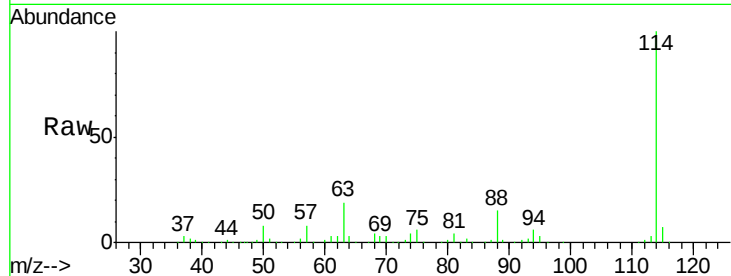
Tgt Ion:114 Resp: 210300

Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.8

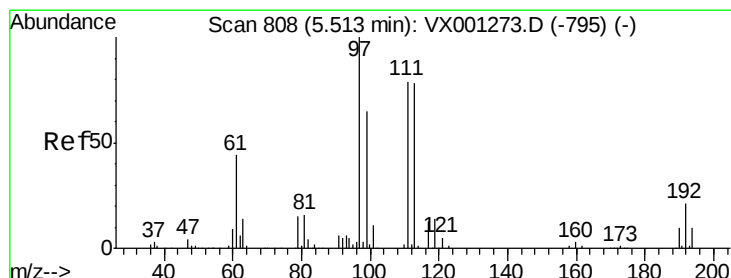
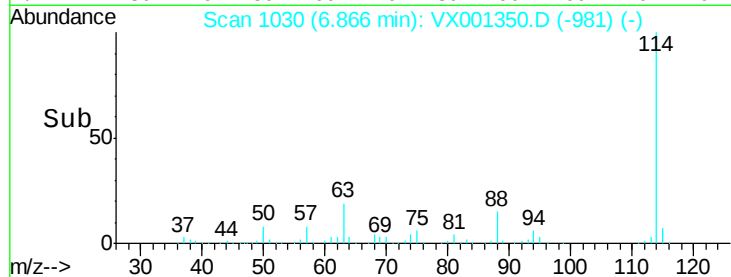
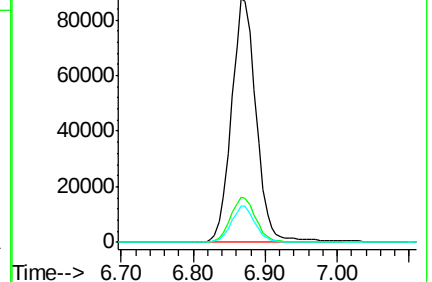
88 14.8 0.0 32.2



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: 44.73 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001350.D

Acq: 03 May 2018 07:00

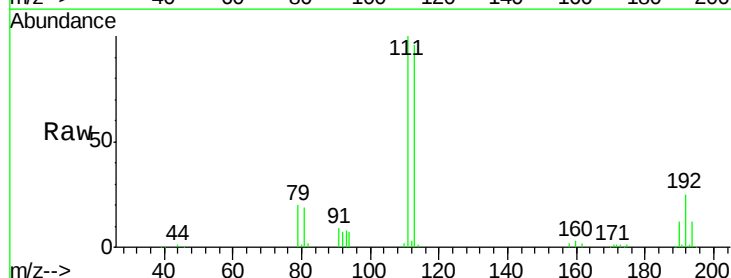
Tgt Ion:113 Resp: 81048

Ion Ratio Lower Upper

113 100

111 102.4 81.2 121.8

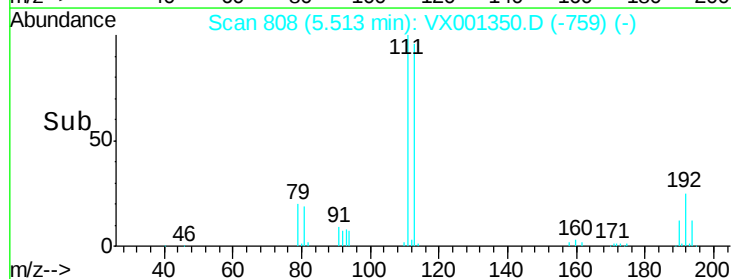
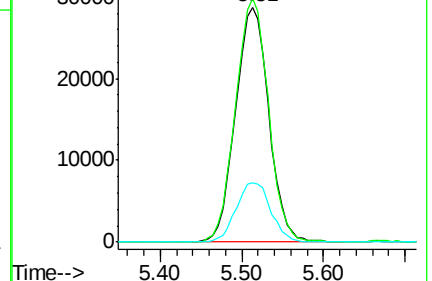
192 26.2 20.7 31.1

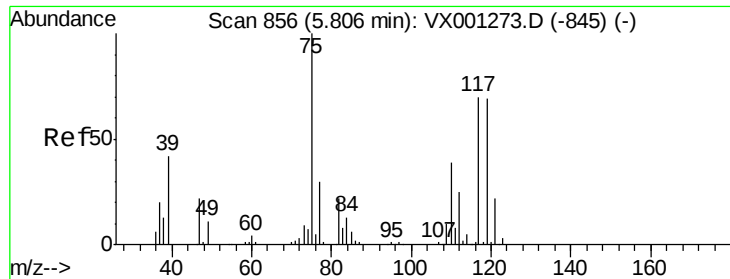


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

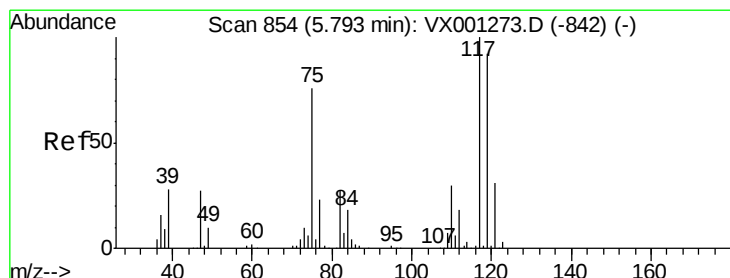
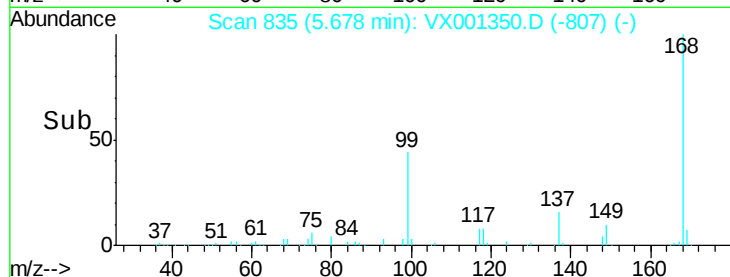
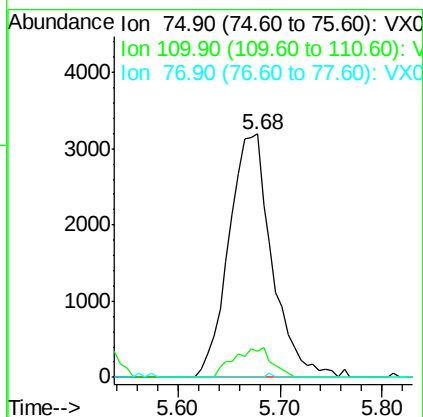
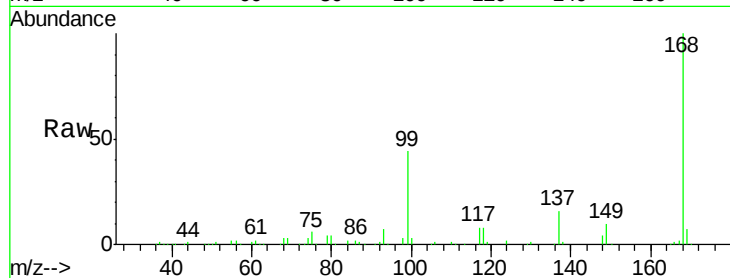




#36
 1,1-Dichloropropene
 Concen: 3.85 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.13 min
 Lab File: VX001350.D
 Acq: 03 May 2018 07:00

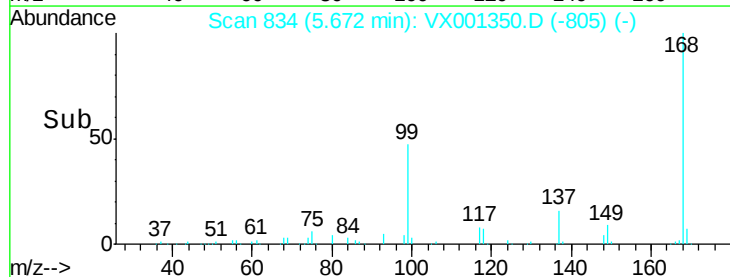
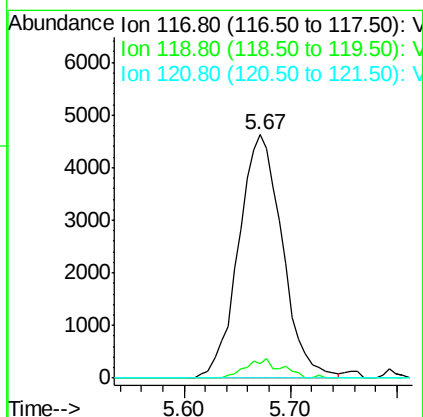
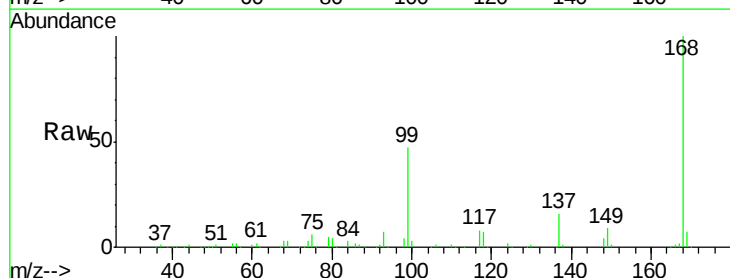
Instrument :
 MSVOA_X
 ClientSampleId :
 PB108794ZHE#09

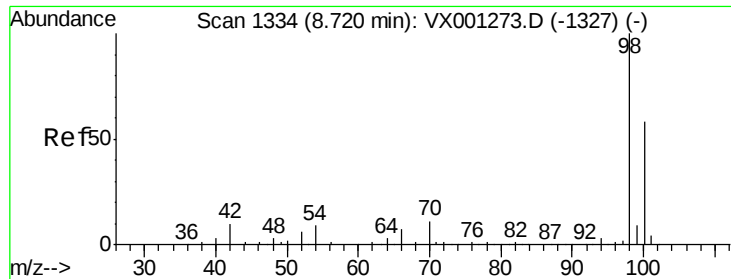
Tgt Ion: 75 Resp: 9355
 Ion Ratio Lower Upper
 75 100
 110 10.8 18.9 56.9#
 77 0.2 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 5.22 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX001350.D
 Acq: 03 May 2018 07:00

Tgt Ion: 117 Resp: 13275
 Ion Ratio Lower Upper
 117 100
 119 5.8 73.4 110.2#
 121 0.0 25.0 37.4#





#50

Toluene-d8

Concen: 46.09 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001350.D

Acq: 03 May 2018 07:00

Instrument :

MSVOA_X

ClientSampleId :

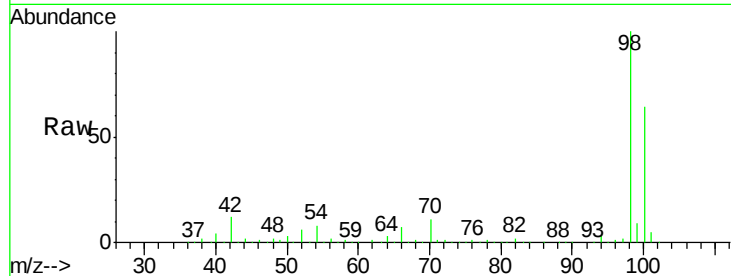
PB108794ZHE#09

Tgt Ion: 98 Resp: 298350

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): VX

8.72

200000

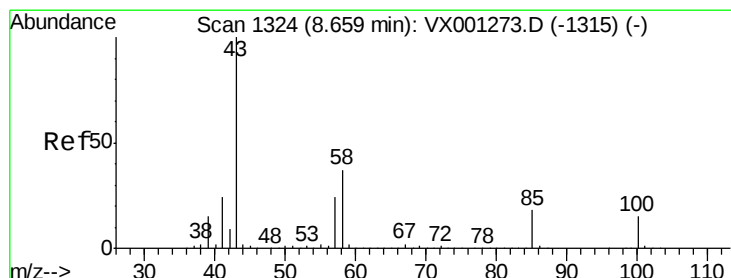
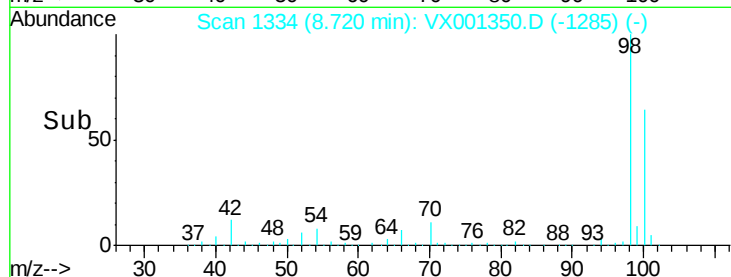
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.24 ug/l

RT: 8.66 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VX001350.D

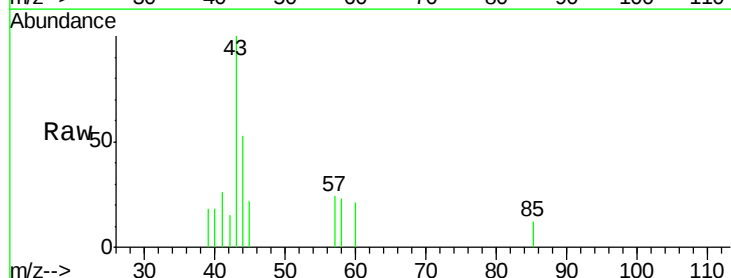
Acq: 03 May 2018 07:00

Tgt Ion: 43 Resp: 626

Ion Ratio Lower Upper

43 100

58 48.1 29.0 43.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1200

1000

800

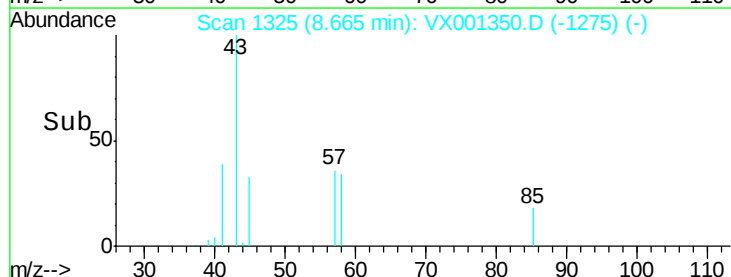
600

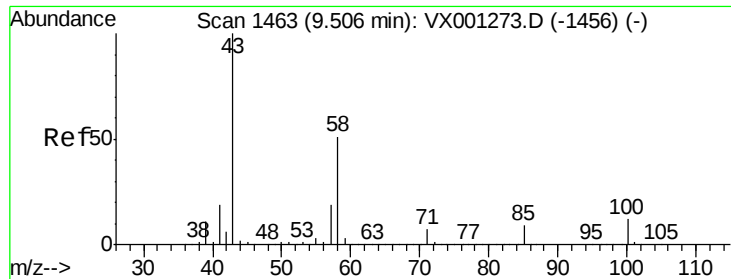
400

200

0

Time-->

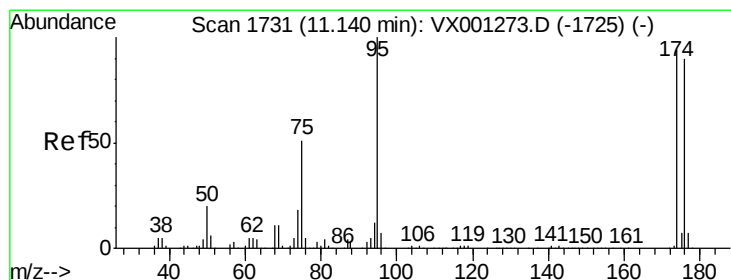
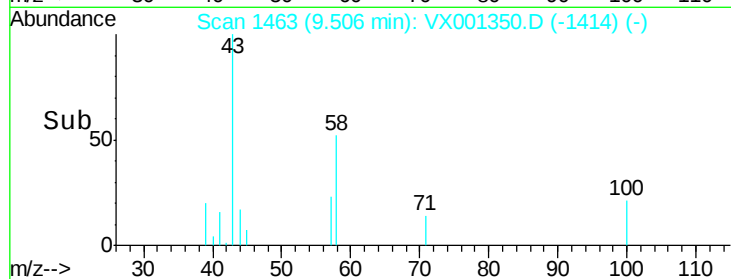
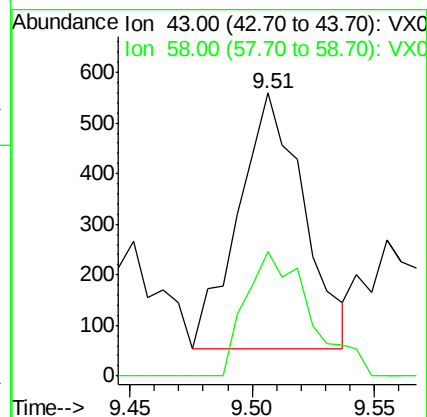
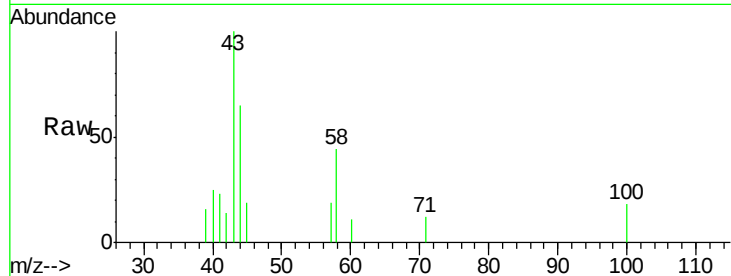




#59
2-Hexanone
Concen: 0.47 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.00 min
Lab File: VX001350.D
Acq: 03 May 2018 07:00

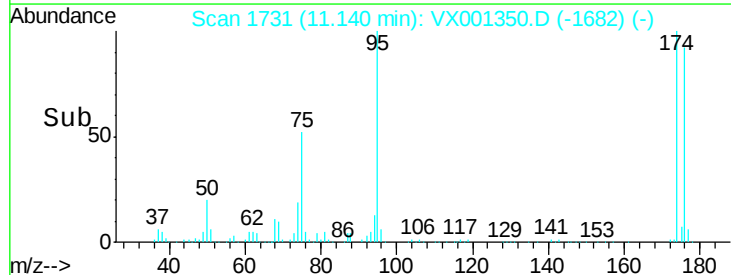
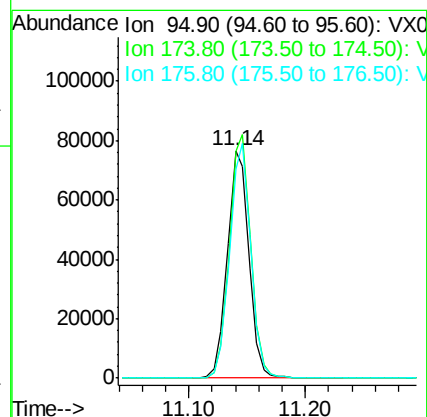
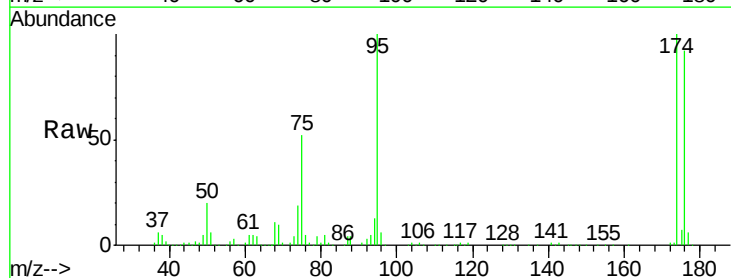
Instrument :
MSVOA_X
ClientSampleId :
PB108794ZHE#09

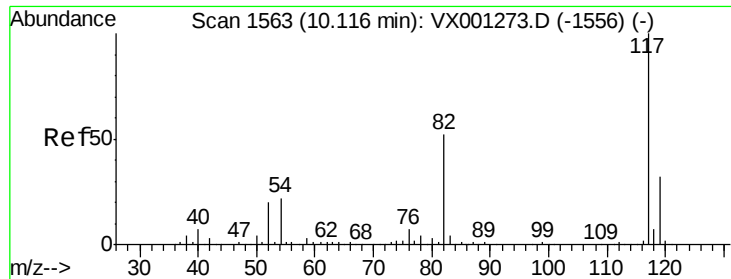
Tgt Ion: 43 Resp: 936
Ion Ratio Lower Upper
43 100
58 48.3 25.7 77.0



#62
4-Bromofluorobenzene
Concen: 37.68 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001350.D
Acq: 03 May 2018 07:00

Tgt Ion: 95 Resp: 97540
Ion Ratio Lower Upper
95 100
174 106.5 0.0 201.8
176 101.4 0.0 197.2

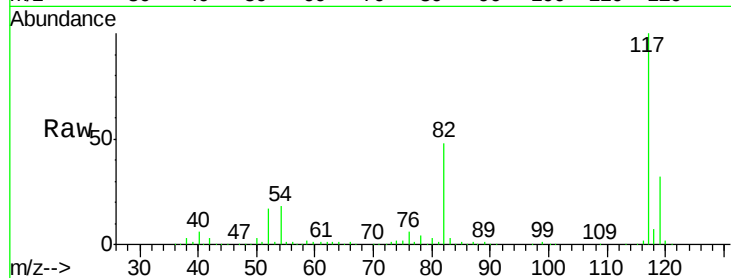




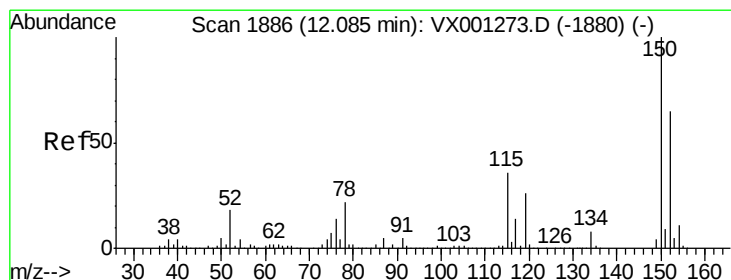
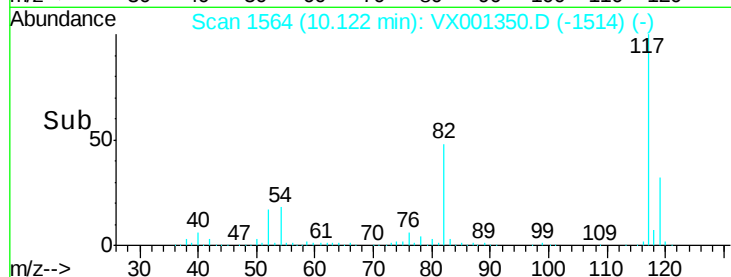
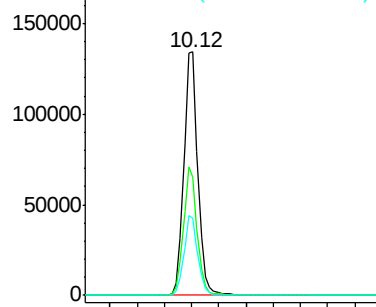
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001350.D
Acq: 03 May 2018 07:00

Instrument :
MSVOA_X
ClientSampleId :
PB108794ZHE#09

Tgt Ion:117 Resp: 192248
Ion Ratio Lower Upper
117 100
82 48.5 41.4 62.0
119 31.6 25.5 38.3

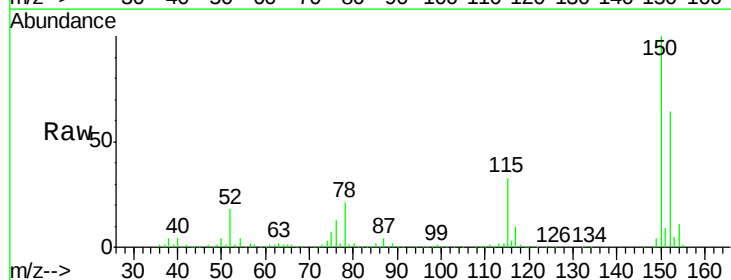


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

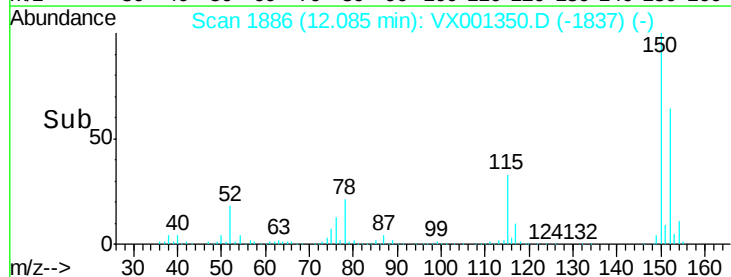
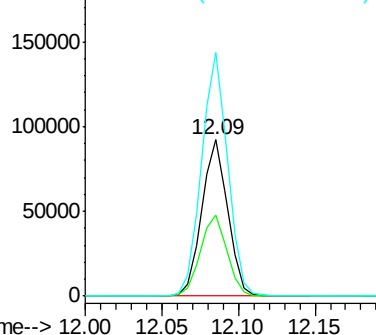


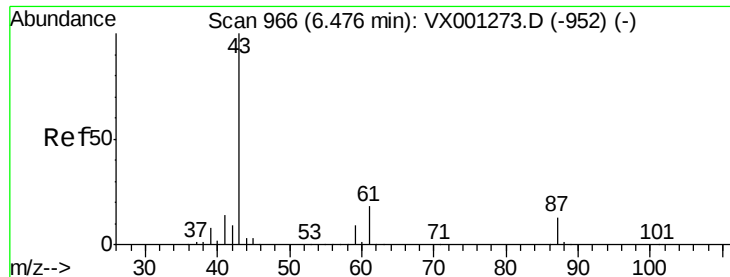
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001350.D
Acq: 03 May 2018 07:00

Tgt Ion:152 Resp: 108273
Ion Ratio Lower Upper
152 100
115 53.0 38.6 115.7
150 156.2 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





#74

N-ethyl acetate

Concen: 0.25 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX001350.D

Acq: 03 May 2018 07:00

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#09

Tgt Ion: 43 Resp: 768

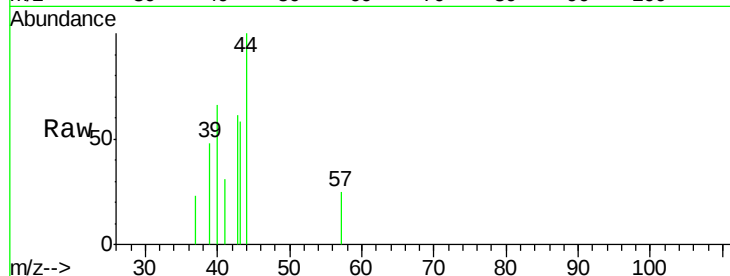
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 0.0 15.0 22.4#

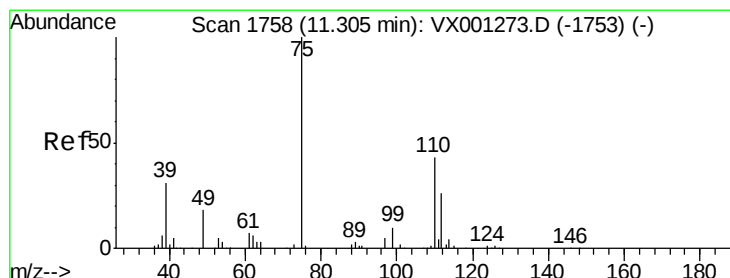
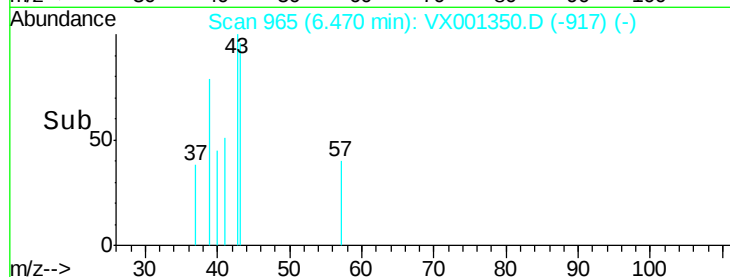
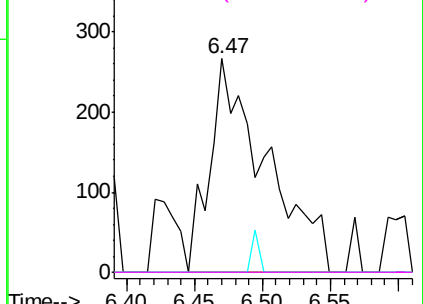


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 24.60 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001350.D

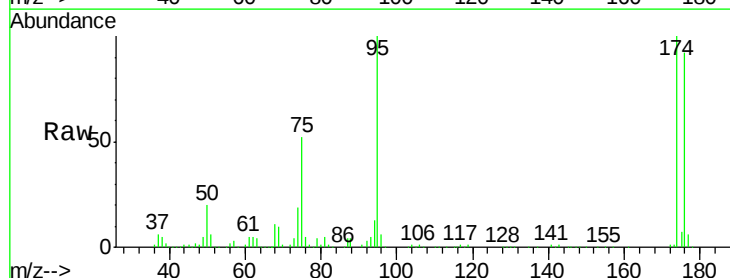
Acq: 03 May 2018 07:00

Tgt Ion: 75 Resp: 49257

Ion Ratio Lower Upper

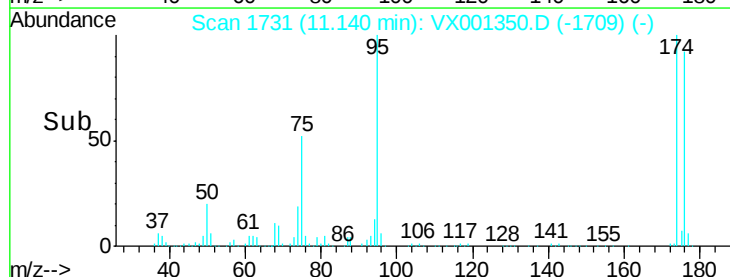
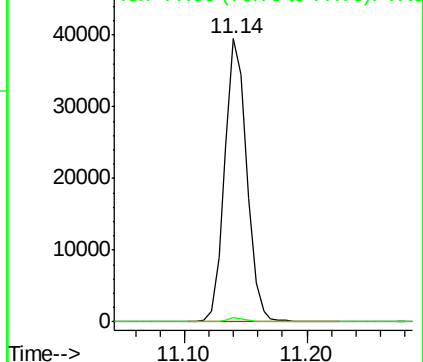
75 100

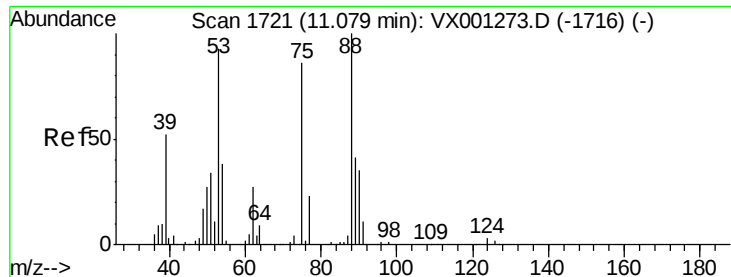
77 1.3 18.9 56.5#



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: 77.46 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001350.D

Acq: 03 May 2018 07:00

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#09

Tgt Ion: 75 Resp: 49257

Ion Ratio Lower Upper

75 100

53 0.1 87.1 130.7#

89 0.0 38.9 58.3#

