

Data File : VX001347.D
Acq On : 03 May 2018 05:40
Operator : JC/MD
Sample : PB108794ZHE#06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB108794ZHE#06

Quant Time: May 03 06:46:21 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	151371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	207584	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	190161	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	104906	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	95919	45.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.56%	
35) Dibromofluoromethane	5.51	113	78790	44.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.12%	
50) Toluene-d8	8.72	98	293812	45.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.98%	
62) 4-Bromofluorobenzene	11.14	95	95828	37.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.00%	

Target Compounds			Qvalue			
5) Bromomethane	1.66	94	164	Below Cal	#	65
10) Methyl Iodide	2.51	142	173	4.42	ug/l #	40
11) Tert butyl alcohol	3.08	59	430	1.19	ug/l #	72
16) Acetone	2.45	43	11527	12.89	ug/l	93
18) Methyl Acetate	2.79	43	17270	8.18	ug/l	98
20) Methylene Chloride	2.86	84	4167	1.02	ug/l	97
25) 2-Butanone	4.73	43	3952	3.27	ug/l	98
29) Tetrahydrofuran	5.18	42	938	1.26	ug/l #	79
31) Cyclohexane	5.68	56	2736	1.06	ug/l #	40
36) 1,1-Dichloropropene	5.67	75	9402	3.92	ug/l #	50
38) Carbon Tetrachloride	5.67	117	12882	5.13	ug/l #	18
43) Isopropyl Acetate	6.49	43	824	0.21	ug/l #	71
51) 4-Methyl-2-Pentanone	8.66	43	515	0.20	ug/l #	60
59) 2-Hexanone	9.51	43	713	0.36	ug/l	65
74) N-amyl acetate	6.49	43	824	0.27	ug/l #	73
76) 1,2,3-Trichloropropane	11.14	75	48787	25.15	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	48787	79.09	ug/l #	6

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

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Instrument :

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ClientSampleId :

PB108794ZHE#06

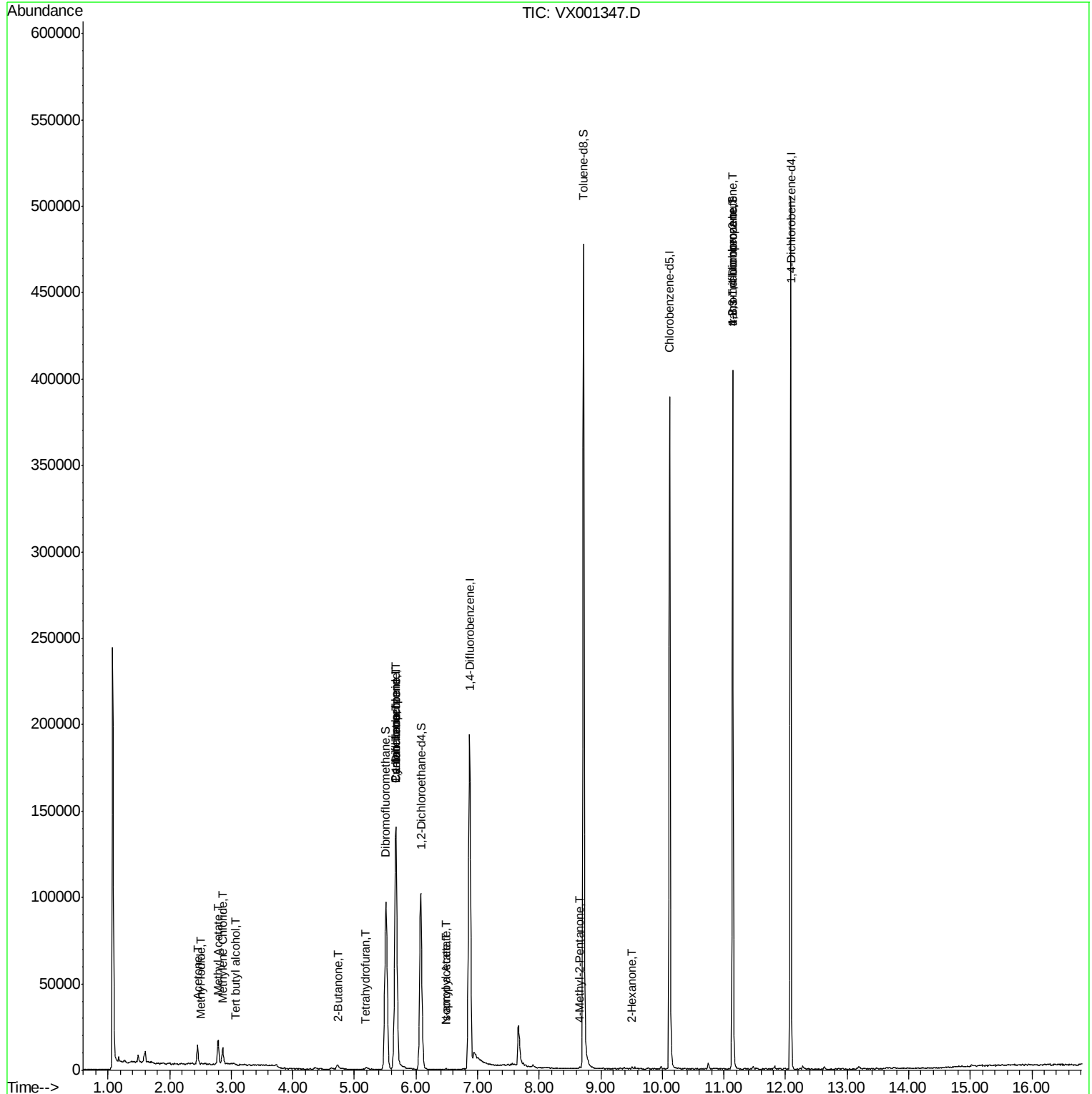
Quant Time: May 03 06:46:21 2018

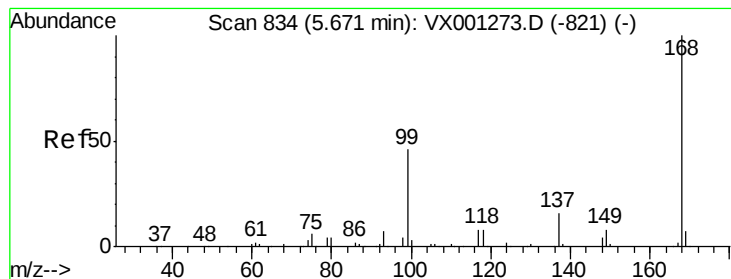
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M

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: VX001347.D

Acq: 03 May 2018 05:40

Instrument :

MSVOA_X

ClientSampleId :

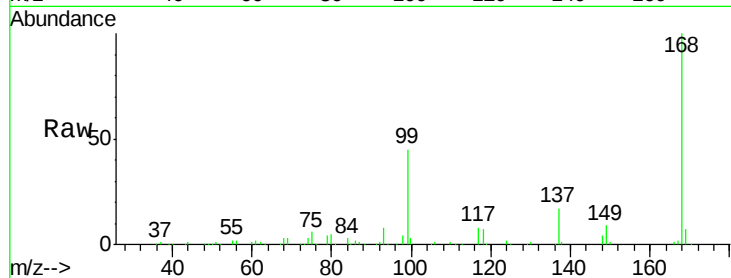
PB108794ZHE#06

Tgt Ion:168 Resp: 151371

Ion Ratio Lower Upper

168 100

99 45.3 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

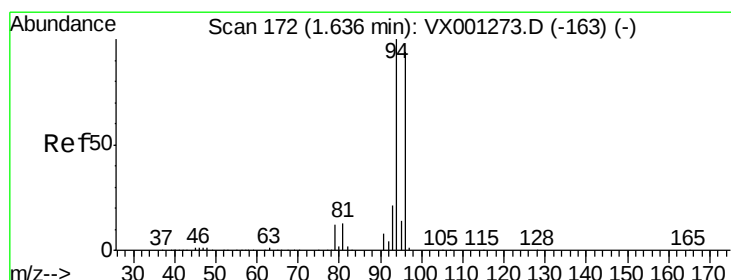
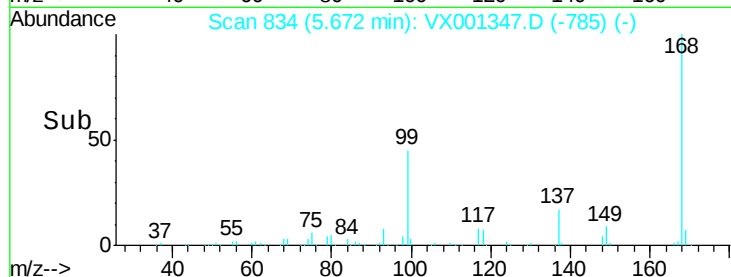
20000

10000

0

Time-->

5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX001347.D

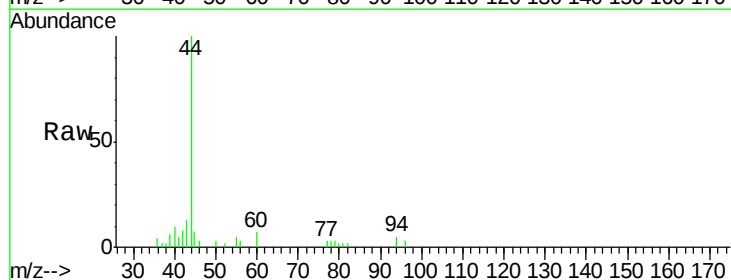
Acq: 03 May 2018 05:40

Tgt Ion: 94 Resp: 164

Ion Ratio Lower Upper

94 100

96 60.8 75.6 113.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

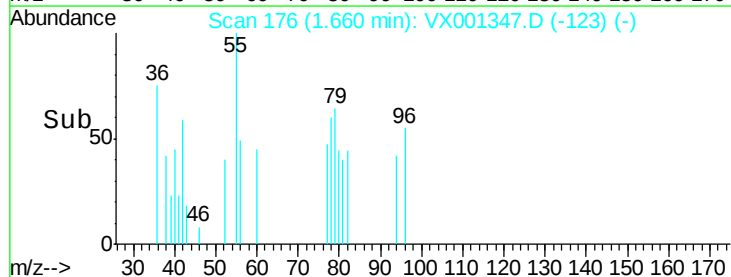
100

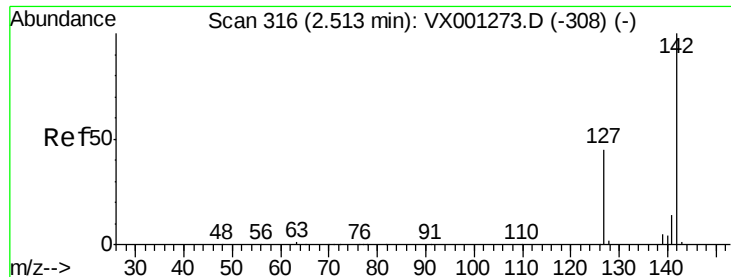
50

0

Time-->

1.60 1.62 1.64 1.66 1.68

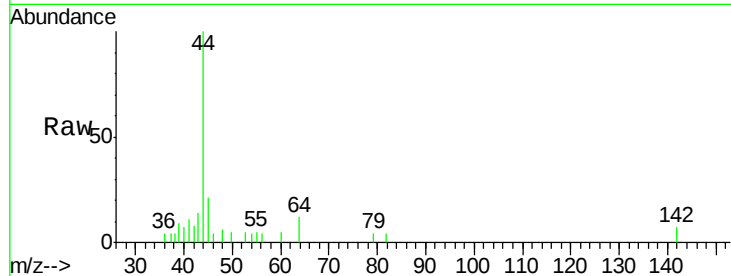




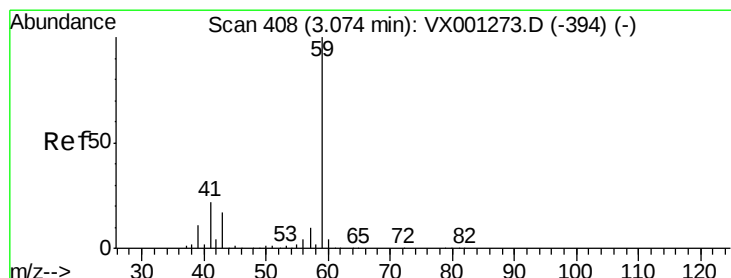
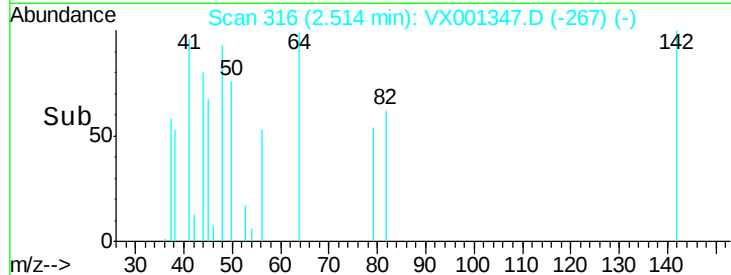
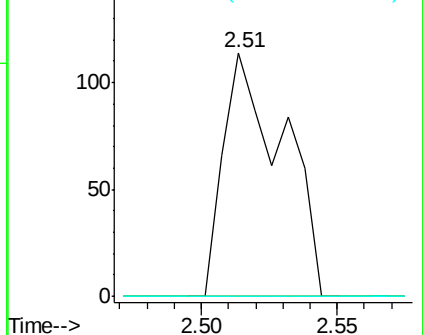
#10
Methyl Iodide
Concen: 4.42 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX001347.D
Acq: 03 May 2018 05:40

Instrument :
MSVOA_X
ClientSampleId :
PB108794ZHE#06

Tgt Ion: 142 Resp: 173
Ion Ratio Lower Upper
142 100
127 0.0 35.7 53.5#
141 0.0 11.4 17.0#

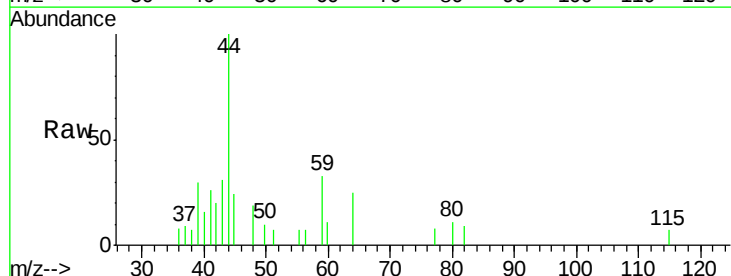


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

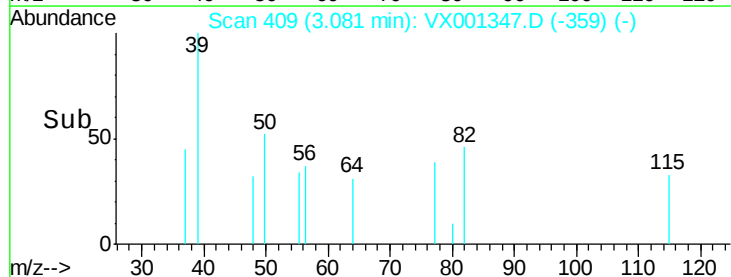
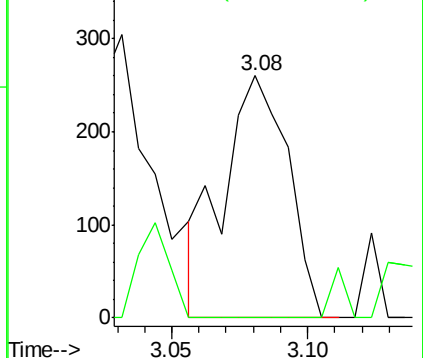


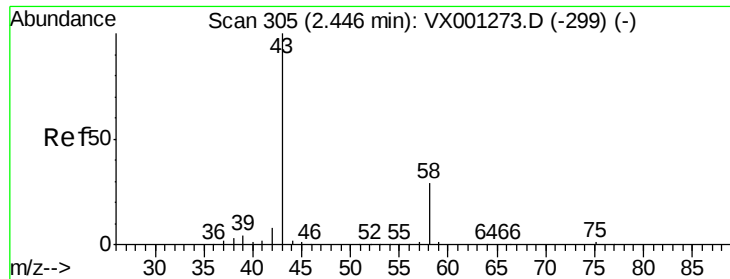
#11
Tert butyl alcohol
Concen: 1.19 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX001347.D
Acq: 03 May 2018 05:40

Tgt Ion: 59 Resp: 430
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



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





#16

Acetone

Concen: 12.89 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001347.D

Acq: 03 May 2018 05:40

Instrument :

MSVOA_X

ClientSampleId :

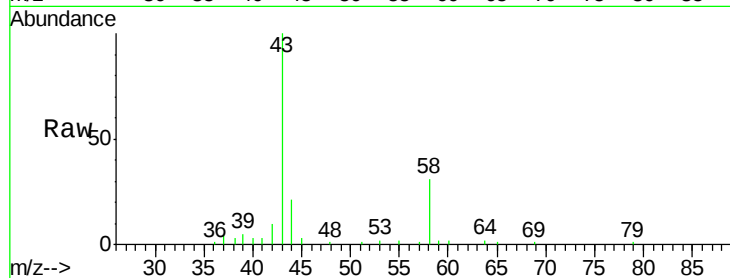
PB108794ZHE#06

Tgt Ion: 43 Resp: 11527

Ion Ratio Lower Upper

43 100

58 32.0 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

8000

6000

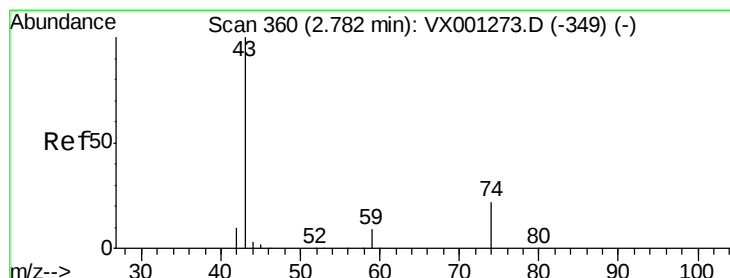
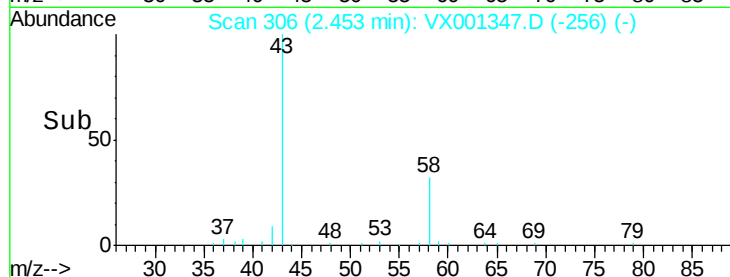
4000

2000

0

Time-->

2.40 2.45 2.50 2.55



#18

Methyl Acetate

Concen: 8.18 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.01 min

Lab File: VX001347.D

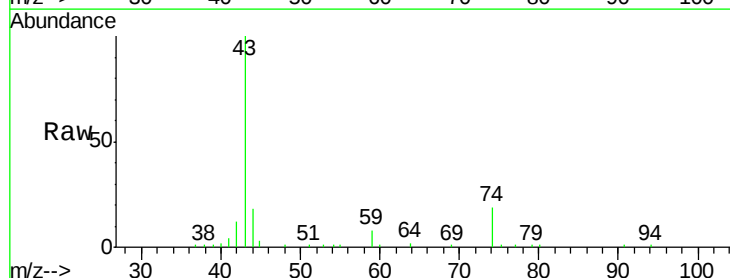
Acq: 03 May 2018 05:40

Tgt Ion: 43 Resp: 17270

Ion Ratio Lower Upper

43 100

74 23.3 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.79

10000

8000

6000

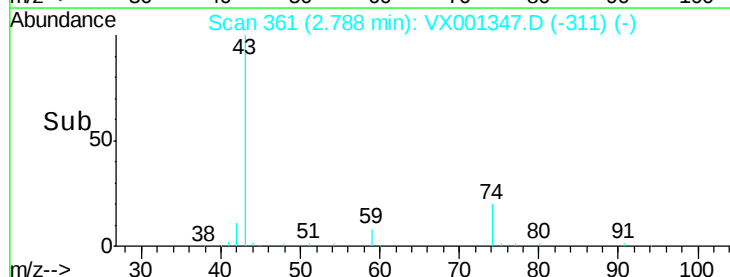
4000

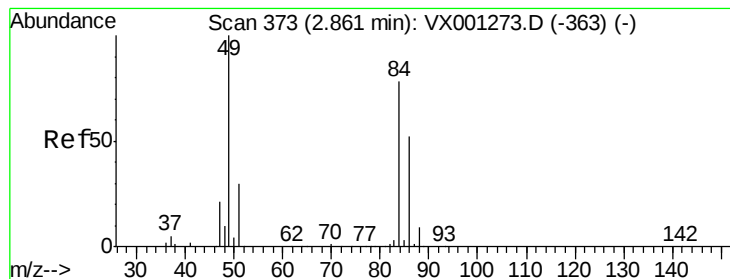
2000

0

Time-->

2.70 2.75 2.80 2.85





#20

Methylene Chloride

Concen: 1.02 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX001347.D

Acq: 03 May 2018 05:40

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#06

Tgt Ion: 84 Resp: 4167

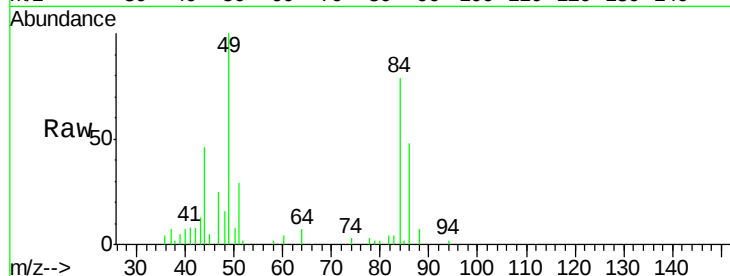
Ion Ratio Lower Upper

84 100

49 126.3 102.8 154.2

51 36.2 30.9 46.3

86 61.3 53.0 79.4

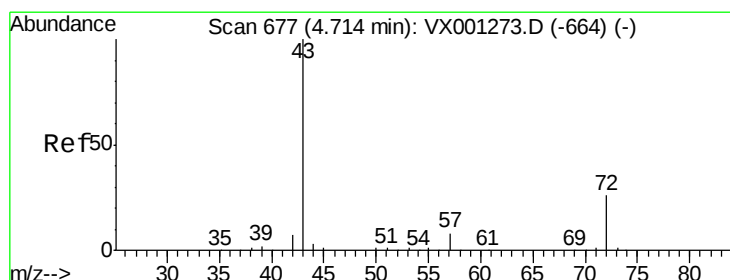
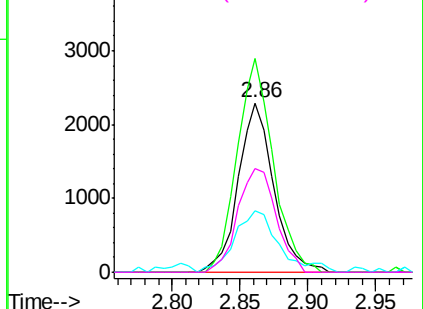
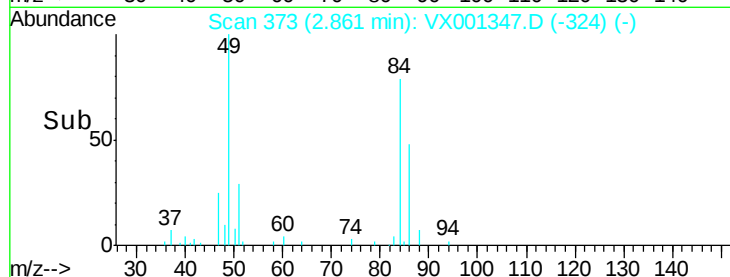


Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 3.27 ug/l

RT: 4.73 min Scan# 680

Delta R.T. 0.02 min

Lab File: VX001347.D

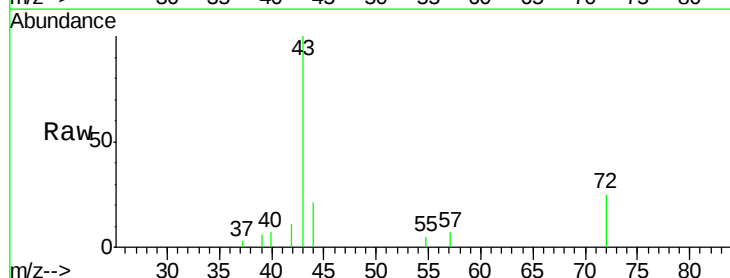
Acq: 03 May 2018 05:40

Tgt Ion: 43 Resp: 3952

Ion Ratio Lower Upper

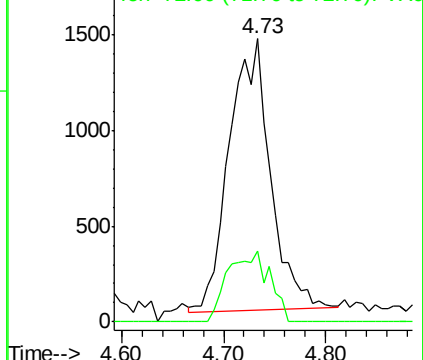
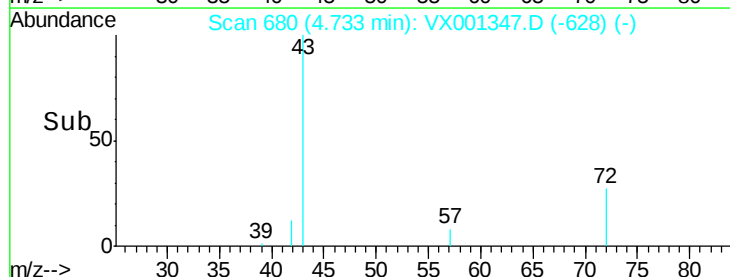
43 100

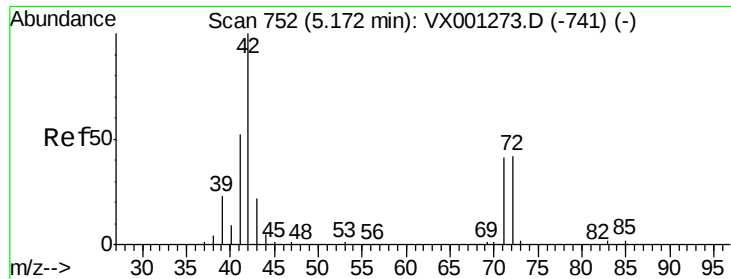
72 26.4 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 1.26 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX001347.D

Acq: 03 May 2018 05:40

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#06

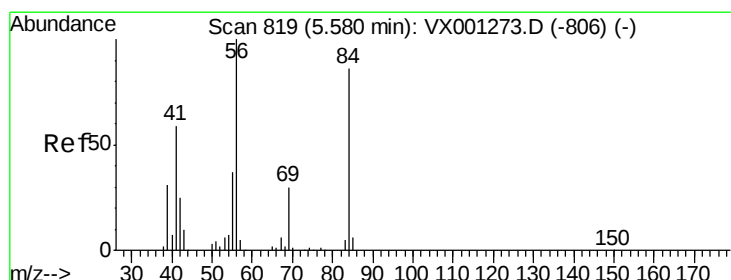
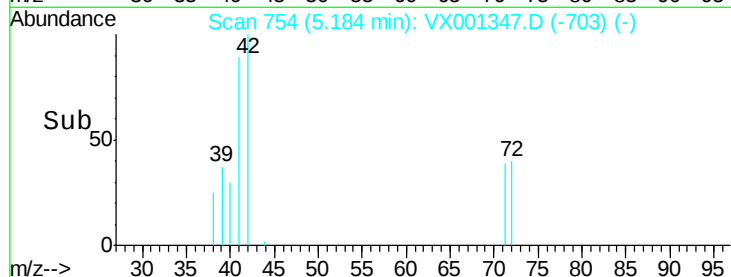
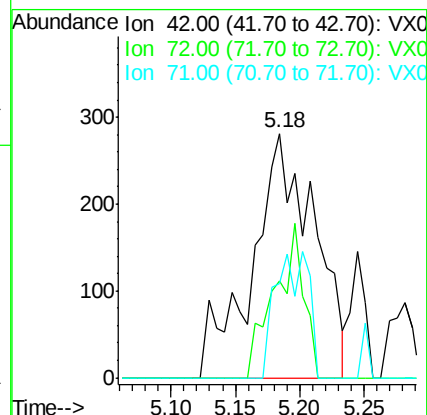
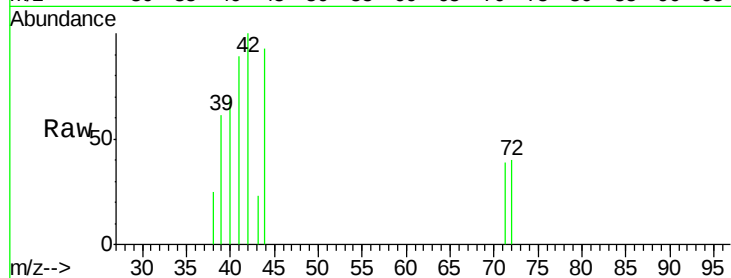
Tgt Ion: 42 Resp: 938

Ion Ratio Lower Upper

42 100

72 30.1 34.6 52.0#

71 27.8 32.7 49.1#



#31

Cyclohexane

Concen: 1.06 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.10 min

Lab File: VX001347.D

Acq: 03 May 2018 05:40

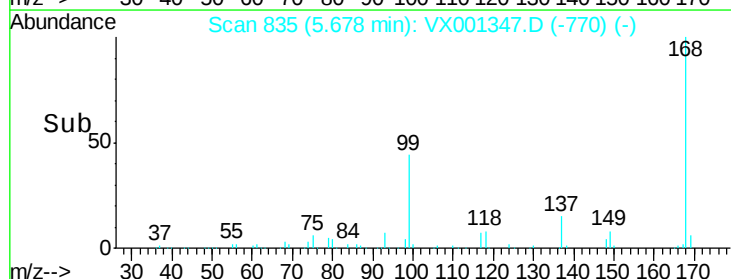
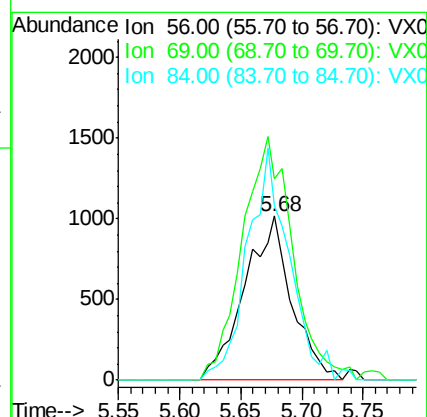
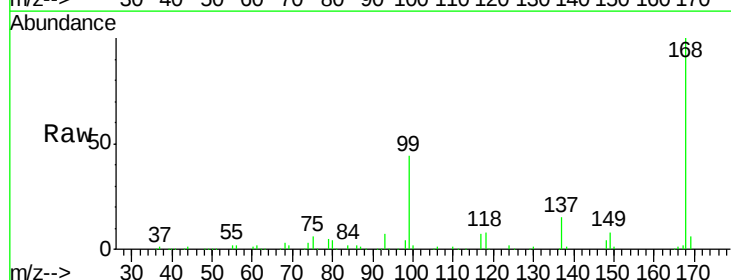
Tgt Ion: 56 Resp: 2736

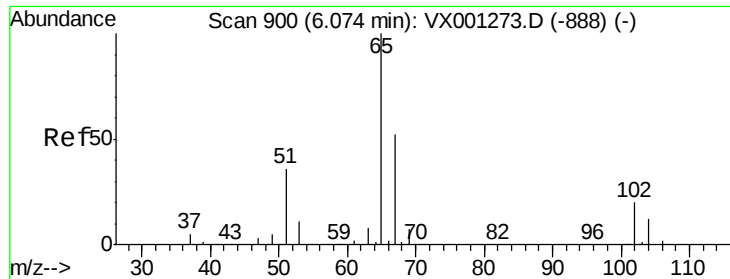
Ion Ratio Lower Upper

56 100

69 123.0 24.0 36.0#

84 105.9 69.0 103.4#





#33

1,2-Dichloroethane-d4

Concen: 45.78 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001347.D

Acq: 03 May 2018 05:40

Instrument :

MSVOA_X

ClientSampleId :

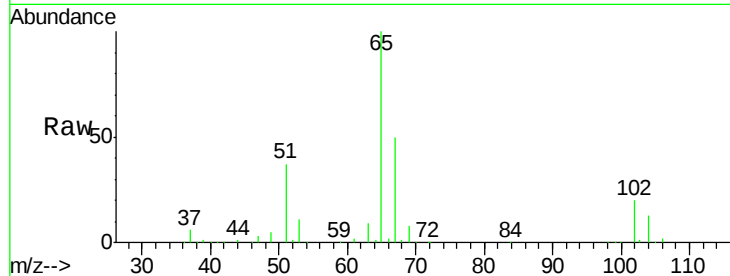
PB108794ZHE#06

Tgt Ion: 65 Resp: 95919

Ion Ratio Lower Upper

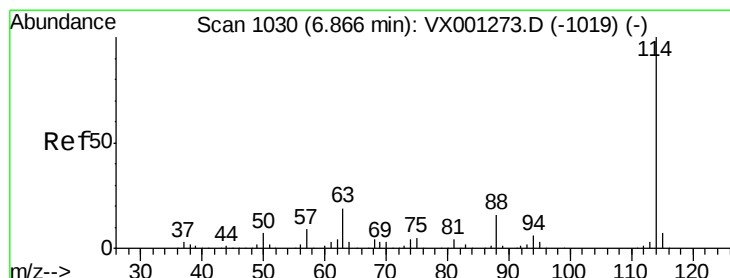
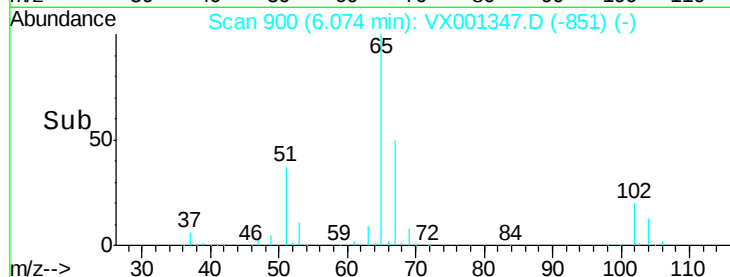
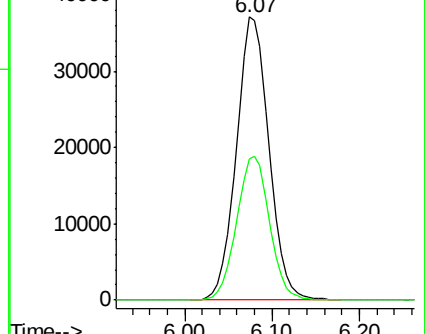
65 100

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# 1031

Delta R.T. 0.01 min

Lab File: VX001347.D

Acq: 03 May 2018 05:40

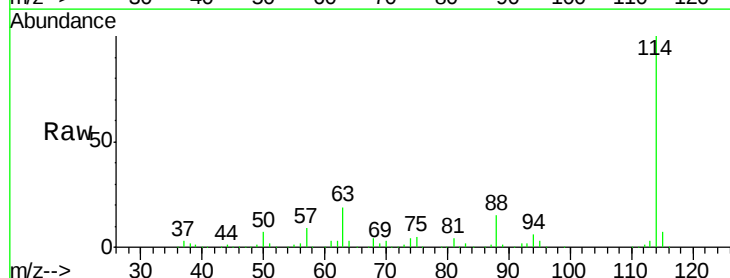
Tgt Ion: 114 Resp: 207584

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.8

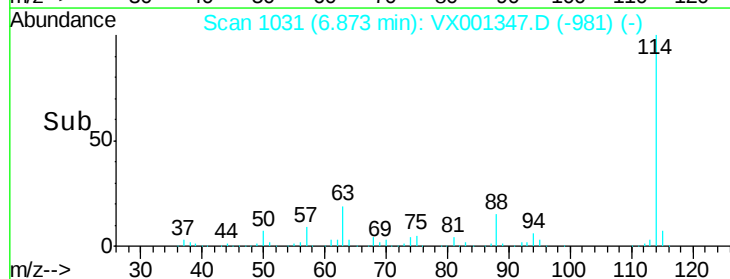
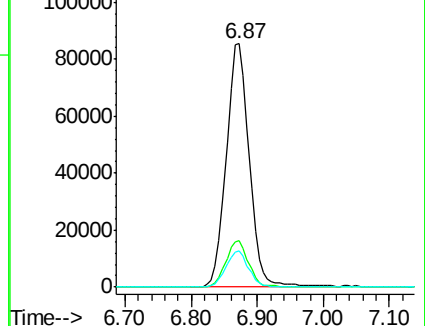
88 14.8 0.0 32.2

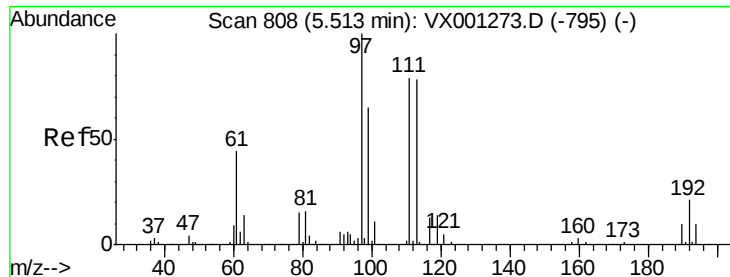


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 44.06 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001347.D

Acq: 03 May 2018 05:40

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MSVOA_X

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PB108794ZHE#06

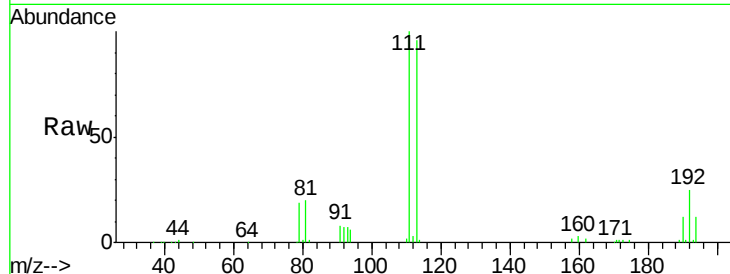
Tgt Ion:113 Resp: 78790

Ion Ratio Lower Upper

113 100

111 103.3 81.2 121.8

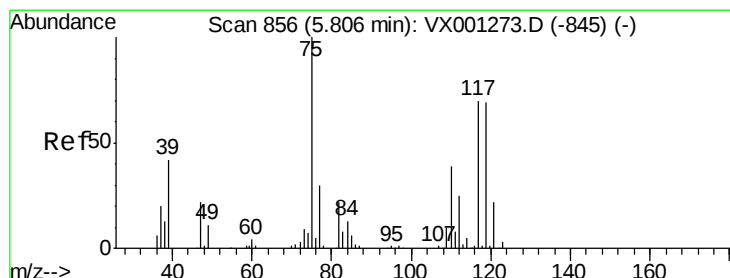
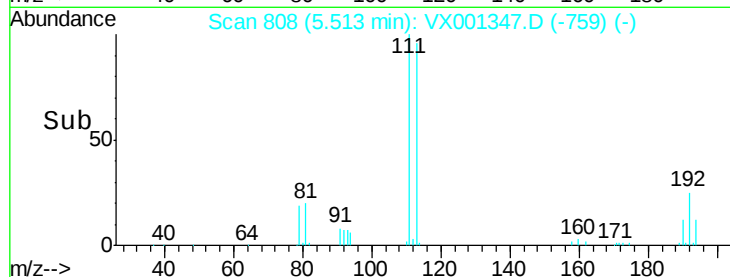
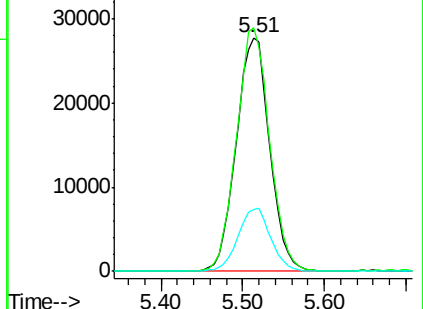
192 26.5 20.7 31.1



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: 3.92 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001347.D

Acq: 03 May 2018 05:40

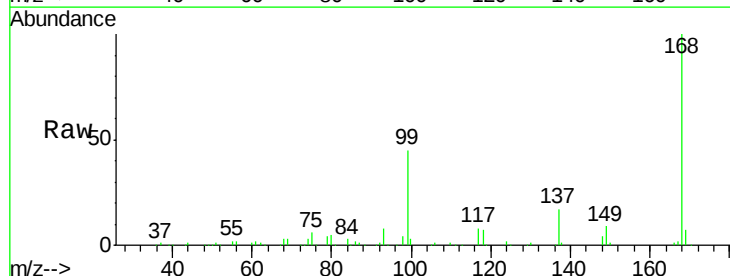
Tgt Ion: 75 Resp: 9402

Ion Ratio Lower Upper

75 100

110 10.2 18.9 56.9#

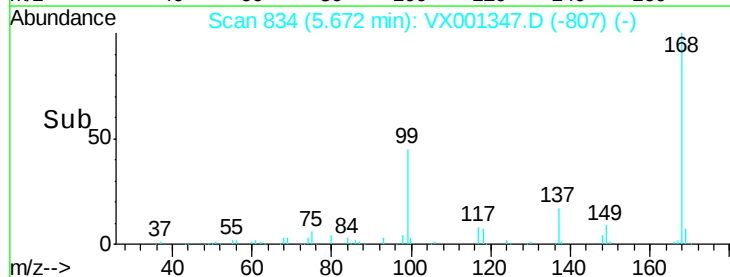
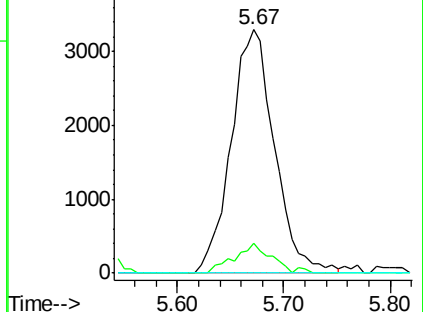
77 0.0 24.2 36.2#

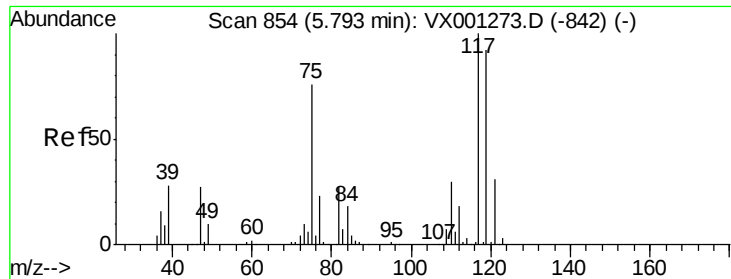


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

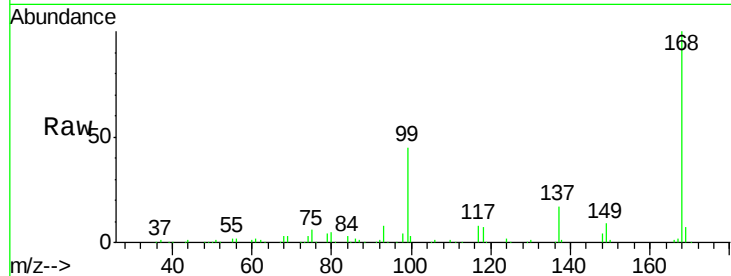




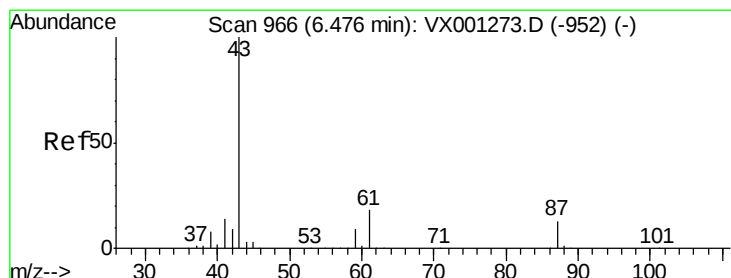
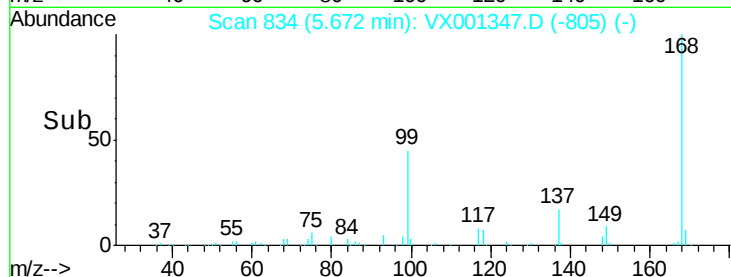
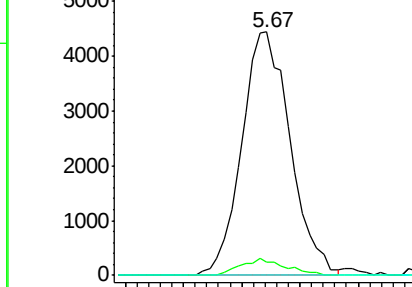
#38
Carbon Tetrachloride
Concen: 5.13 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.12 min
Lab File: VX001347.D
Acq: 03 May 2018 05:40

Instrument :
MSVOA_X
ClientSampleId :
PB108794ZHE#06

Tgt Ion:117 Resp: 12882
Ion Ratio Lower Upper
117 100
119 5.3 73.4 110.2#
121 0.0 25.0 37.4#

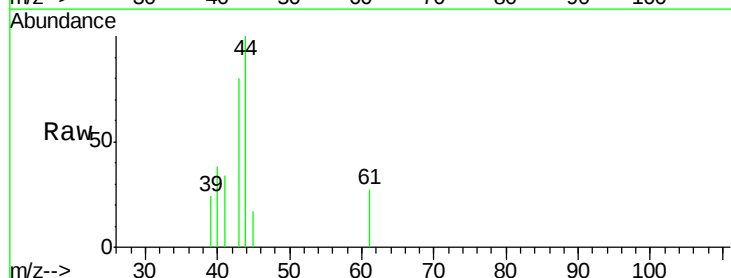


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

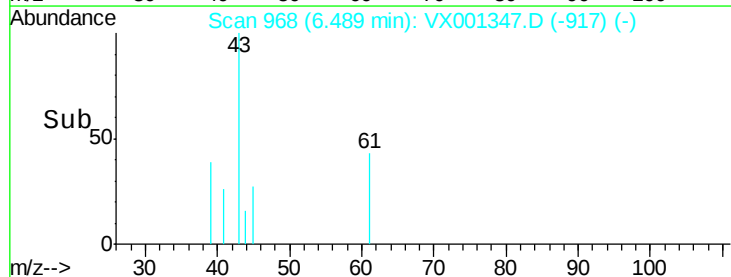
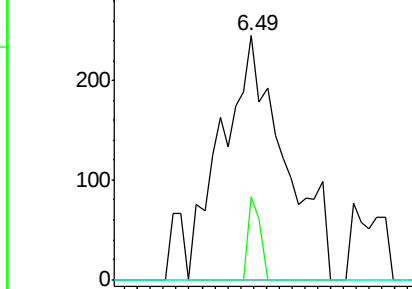


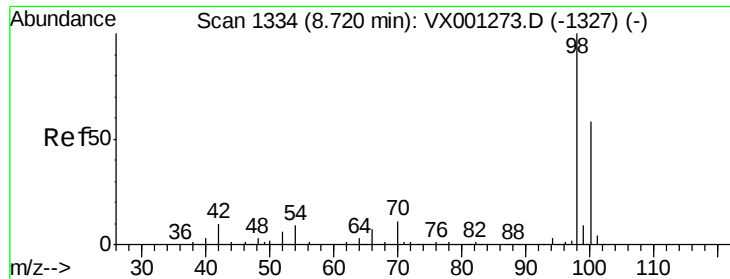
#43
Isopropyl Acetate
Concen: 0.21 ug/l
RT: 6.49 min Scan# 968
Delta R.T. 0.01 min
Lab File: VX001347.D
Acq: 03 May 2018 05:40

Tgt Ion: 43 Resp: 824
Ion Ratio Lower Upper
43 100
61 6.4 15.0 22.4#
87 0.0 10.2 15.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0





#50

Toluene-d8

Concen: 45.99 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001347.D

Acq: 03 May 2018 05:40

Instrument :

MSVOA_X

ClientSampleId :

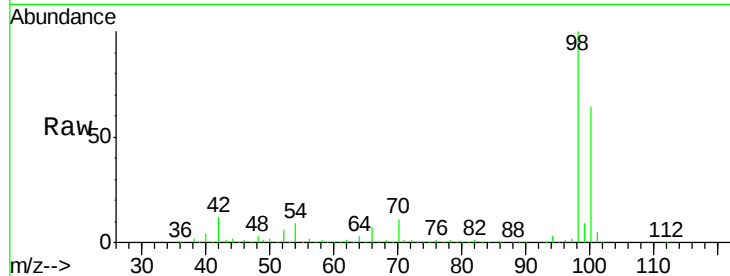
PB108794ZHE#06

Tgt Ion: 98 Resp: 293812

Ion Ratio Lower Upper

98 100

100 63.7 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

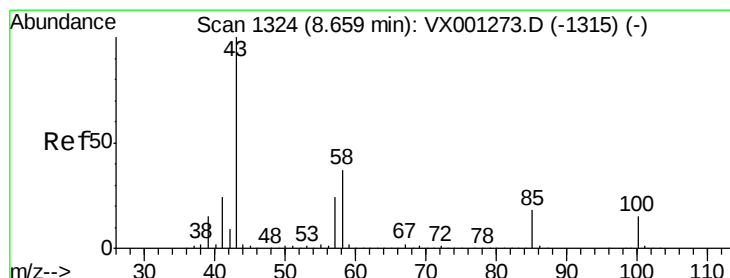
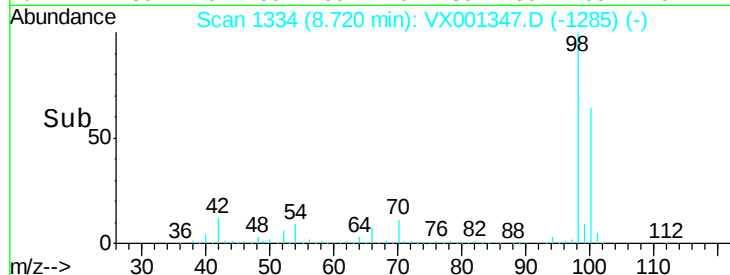
100000

50000

0

Time-->

8.60 8.70 8.80 8.90



#51

4-Methyl-2-Pentanone

Concen: 0.20 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX001347.D

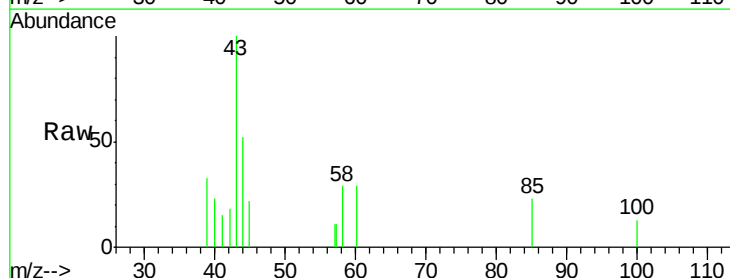
Acq: 03 May 2018 05:40

Tgt Ion: 43 Resp: 515

Ion Ratio Lower Upper

43 100

58 60.0 29.0 43.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.66

600

500

400

300

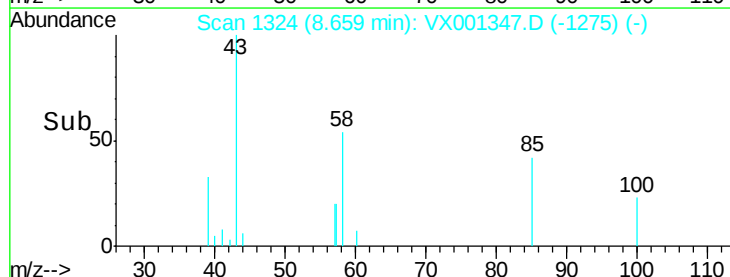
200

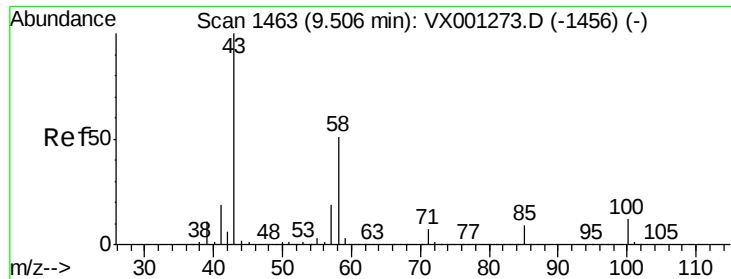
100

0

Time-->

8.62 8.64 8.66 8.68 8.70

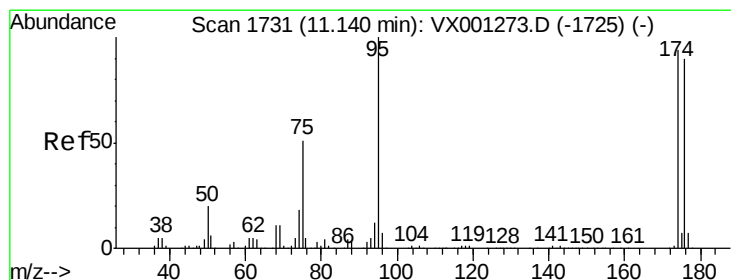
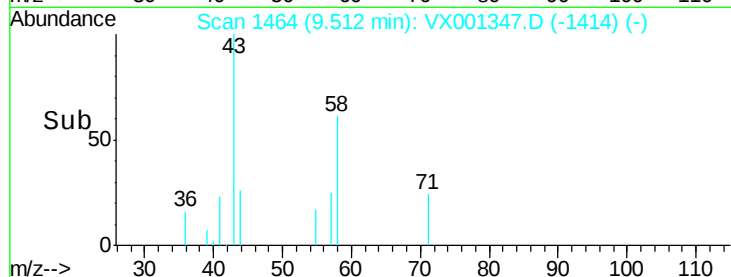
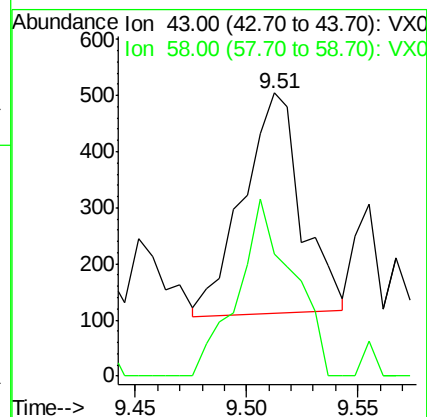
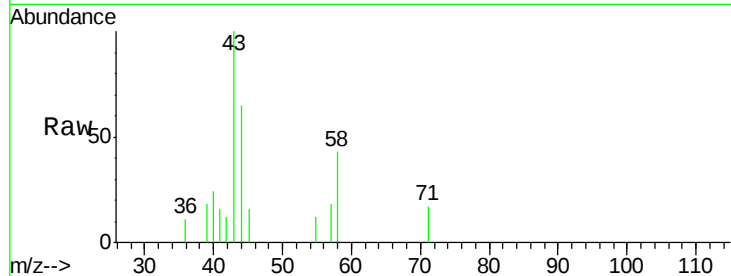




#59
2-Hexanone
Concen: 0.36 ug/l
RT: 9.51 min Scan# 1464
Delta R.T. 0.01 min
Lab File: VX001347.D
Acq: 03 May 2018 05:40

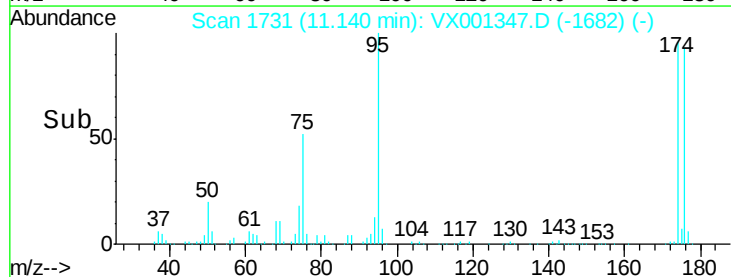
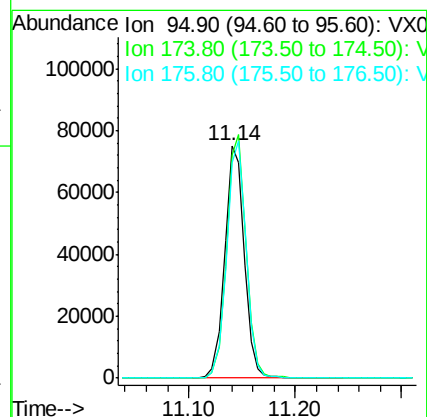
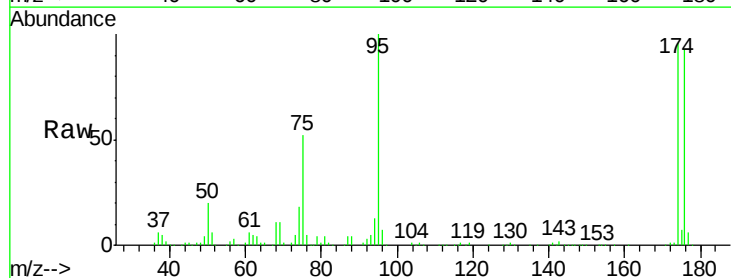
Instrument :
MSVOA_X
ClientSampleId :
PB108794ZHE#06

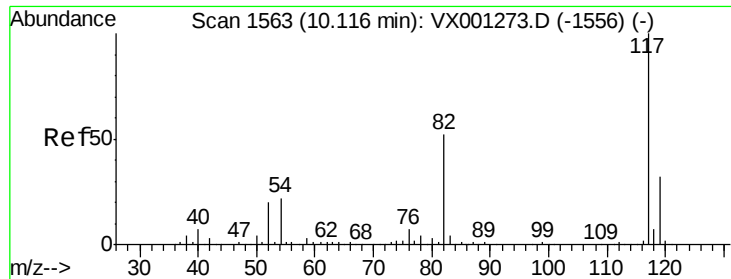
Tgt Ion: 43 Resp: 713
Ion Ratio Lower Upper
43 100
58 75.7 25.7 77.0



#62
4-Bromofluorobenzene
Concen: 37.50 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001347.D
Acq: 03 May 2018 05:40

Tgt Ion: 95 Resp: 95828
Ion Ratio Lower Upper
95 100
174 104.4 0.0 201.8
176 102.0 0.0 197.2

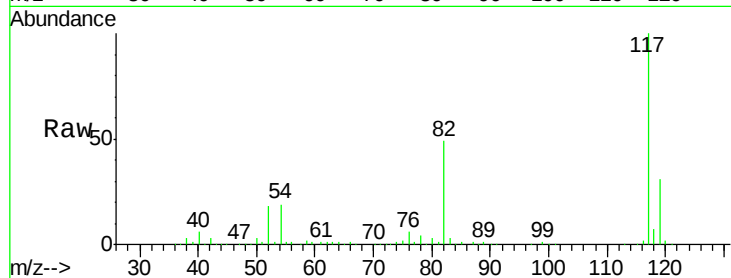




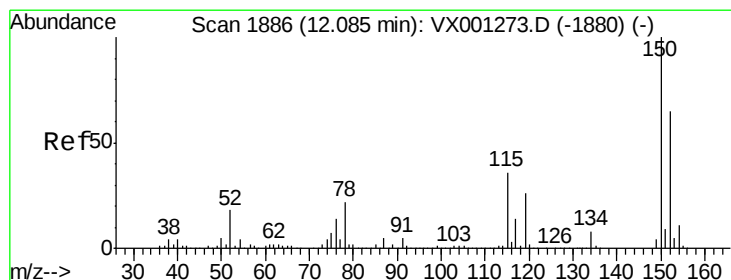
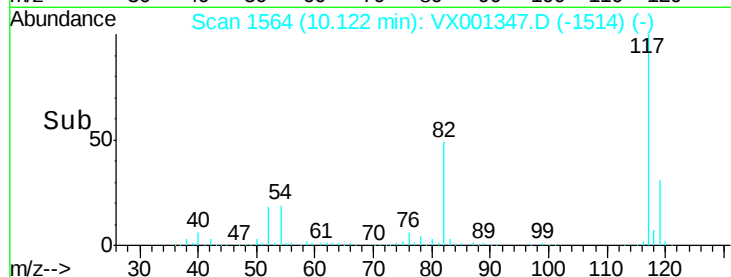
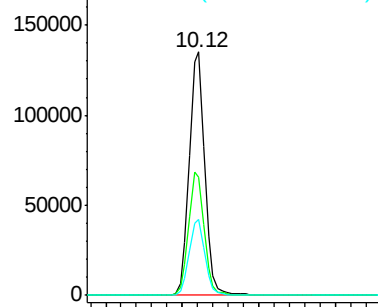
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001347.D
Acq: 03 May 2018 05:40

Instrument :
MSVOA_X
ClientSampleId :
PB108794ZHE#06

Tgt Ion:117 Resp: 190161
Ion Ratio Lower Upper
117 100
82 48.6 41.4 62.0
119 31.3 25.5 38.3

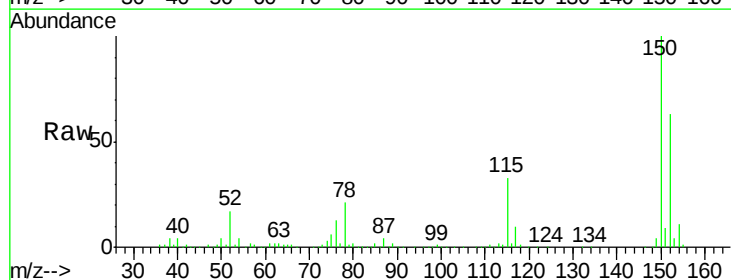


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

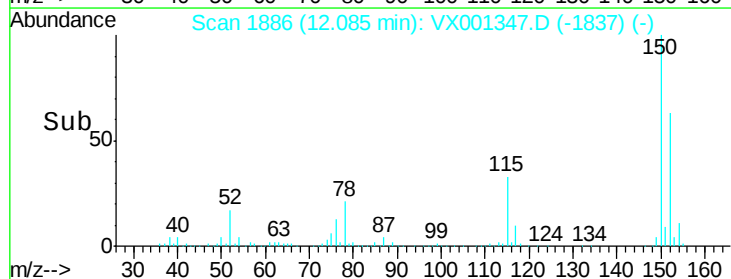
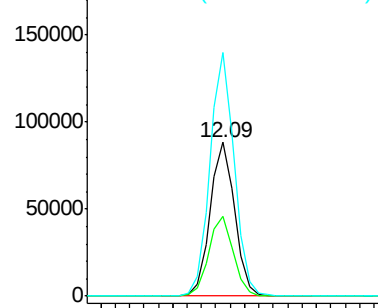


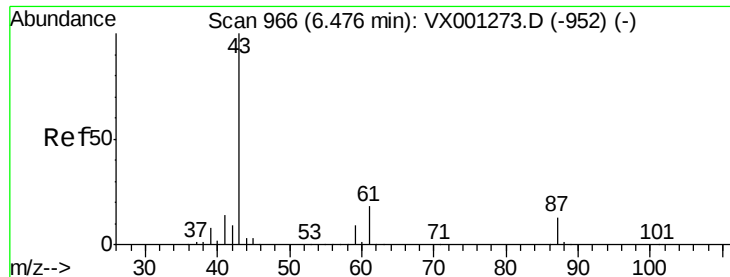
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001347.D
Acq: 03 May 2018 05:40

Tgt Ion:152 Resp: 104906
Ion Ratio Lower Upper
152 100
115 52.3 38.6 115.7
150 156.8 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





#74

N-ethyl acetate

Concen: 0.27 ug/l

RT: 6.49 min Scan# 968

Delta R.T. 0.01 min

Lab File: VX001347.D

Acq: 03 May 2018 05:40

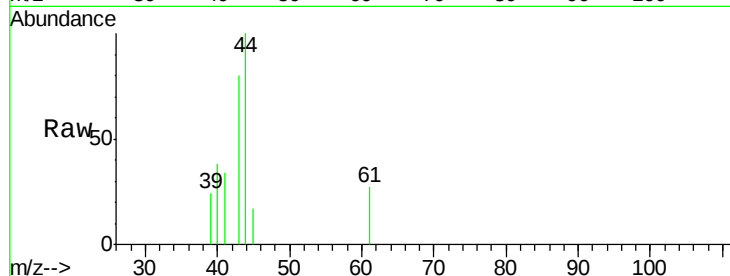
Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#06

Tgt Ion:	43	Resp:	824
Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	2.3	0.1	0.1#
61	6.4	15.0	22.4#

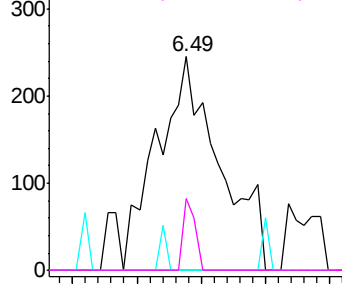


Abundance Ion 43.00 (42.70 to 43.70): VX0

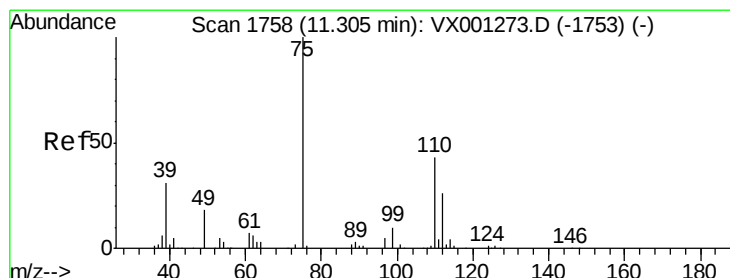
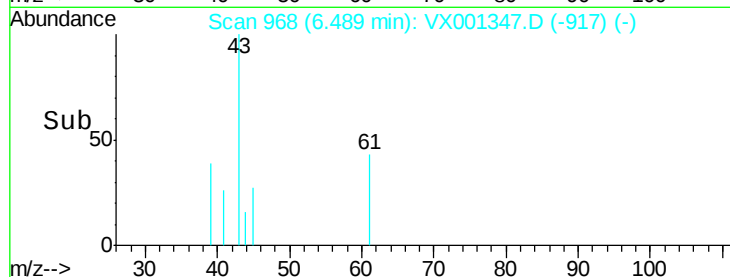
Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



Time-->



#76

1,2,3-Trichloropropane

Concen: 25.15 ug/l

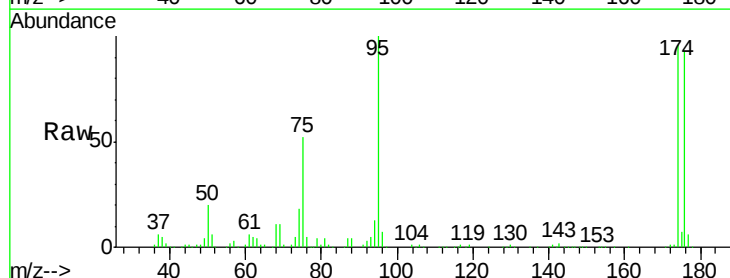
RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001347.D

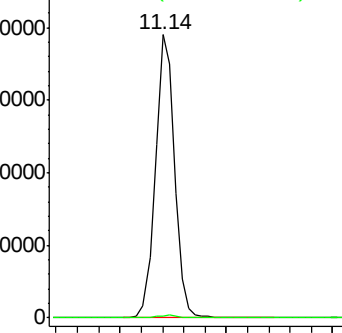
Acq: 03 May 2018 05:40

Tgt Ion:	75	Resp:	48787
Ion	Ratio	Lower	Upper
75	100		
77	1.2	18.9	56.5#

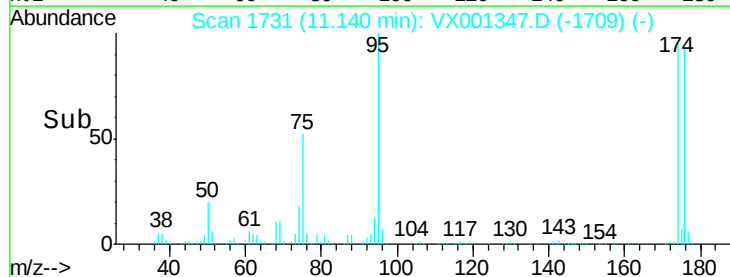


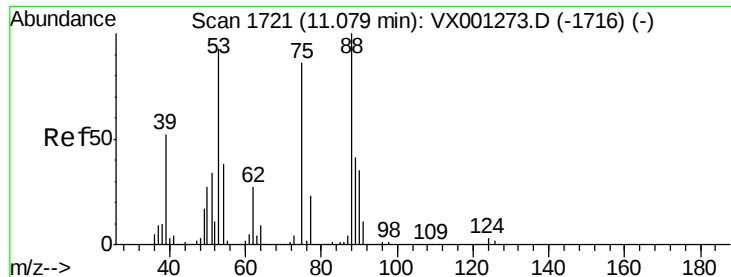
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 79.09 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001347.D

Acq: 03 May 2018 05:40

Instrument :

MSVOA_X

ClientSampleId :

PB108794ZHE#06

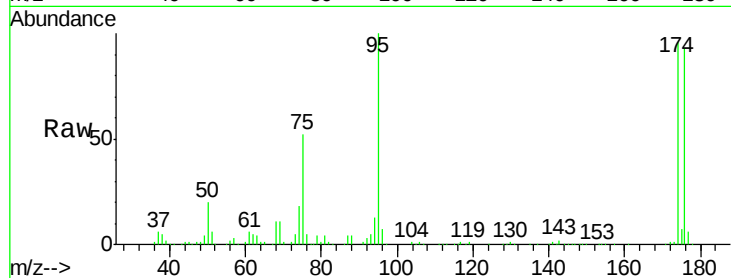
Tgt Ion: 75 Resp: 48787

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

