

Data File : VX001349.D

Acq On : 03 May 2018 06:33

Operator : JC/MD

Sample : PB108794ZHE#08

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Quant Time: May 03 08:14:43 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	152176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	207687	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	187046	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	104151	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	96234	45.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.36%	
35) Dibromofluoromethane	5.51	113	79125	44.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.44%	
50) Toluene-d8	8.72	98	292794	45.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.60%	
62) 4-Bromofluorobenzene	11.14	95	94254	36.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.74%	

Target Compounds

						Qvalue
5) Bromomethane	1.65	94	139	Below Cal		97
10) Methyl Iodide	2.52	142	173	4.42 ug/l #		90
11) Tert butyl alcohol	3.09	59	429	1.18 ug/l #		92
13) Acrolein	2.32	56	71	0.34 ug/l #		71
16) Acetone	2.45	43	11898	13.23 ug/l		94
18) Methyl Acetate	2.79	43	17024	8.02 ug/l		95
20) Methylene Chloride	2.86	84	3494	0.58 ug/l		94
25) 2-Butanone	4.73	43	4446	3.66 ug/l		91
29) Tetrahydrofuran	5.19	42	1117	1.49 ug/l #		63
31) Cyclohexane	5.67	56	2721	1.05 ug/l #		1
36) 1,1-Dichloropropene	5.67	75	9317	3.89 ug/l #		50
38) Carbon Tetrachloride	5.68	117	12801	5.10 ug/l #		19
51) 4-Methyl-2-Pentanone	8.66	43	619	0.25 ug/l		95
59) 2-Hexanone	9.50	43	642	0.33 ug/l		80
74) N-amyl acetate	6.47	43	725	0.24 ug/l #		71
76) 1,2,3-Trichloropropane	11.14	75	47502	24.66 ug/l #		40
81) trans-1,4-Dichloro-2-buten	11.14	75	47502	77.65 ug/l #		6

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

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Instrument :

MSVOA_X

ClientSampleId :

BFB

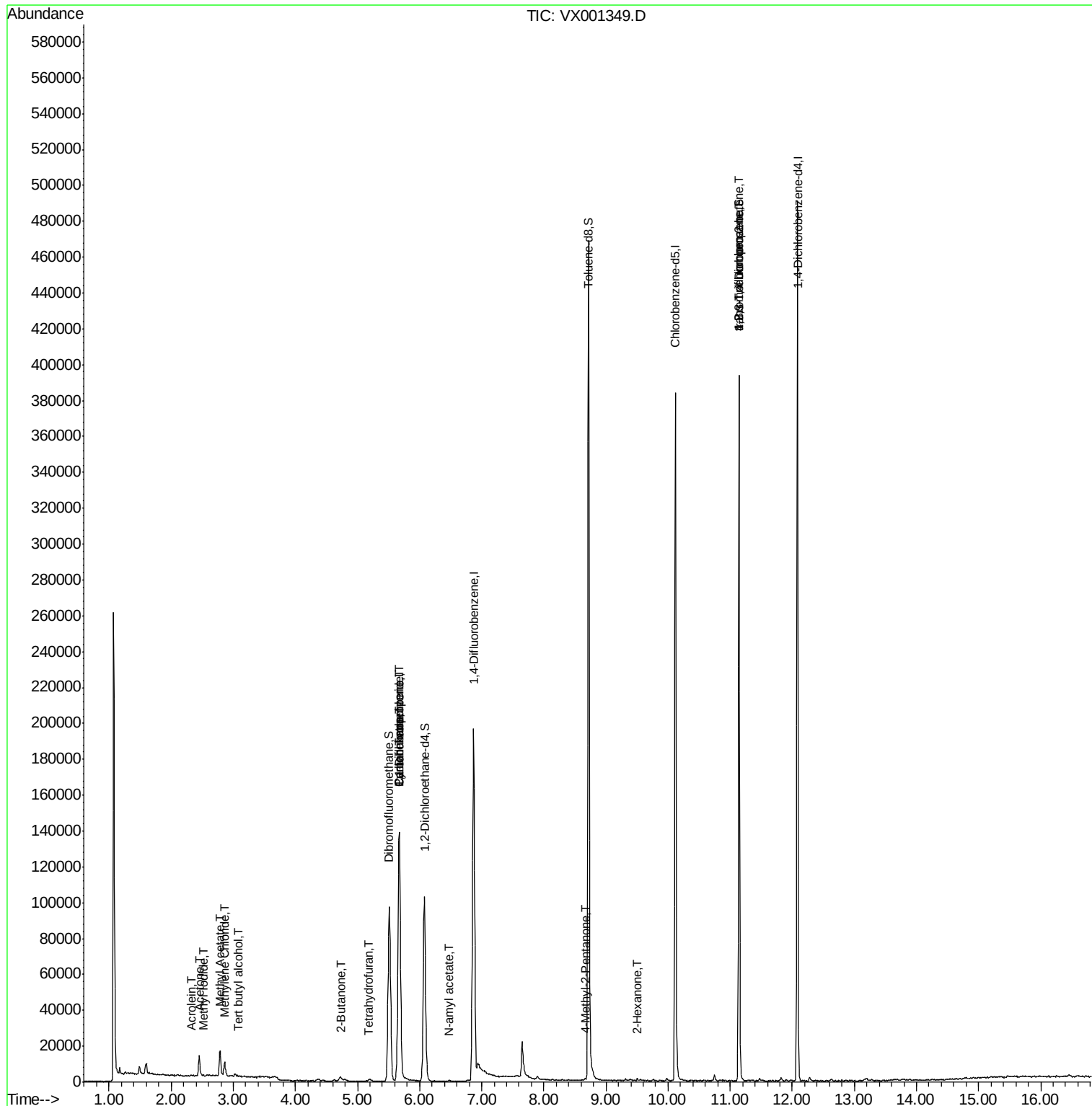
Quant Time: May 03 08:14:43 2018

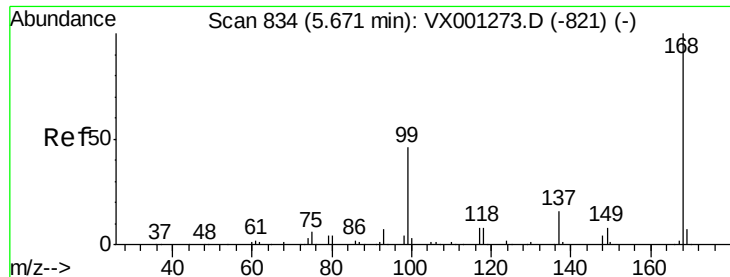
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M

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: VX001349.D

Acq: 03 May 2018 06:33

Instrument :

MSVOA_X

ClientSampleId :

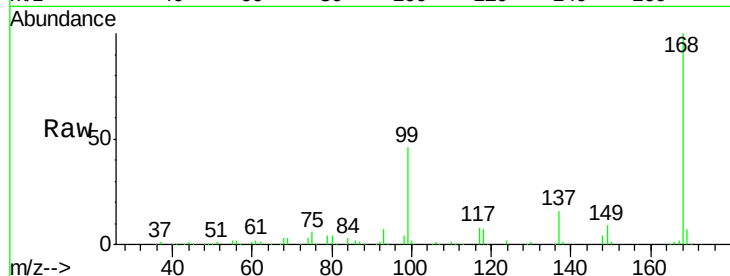
BFB

Tgt Ion:168 Resp: 152176

Ion Ratio Lower Upper

168 100

99 45.7 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

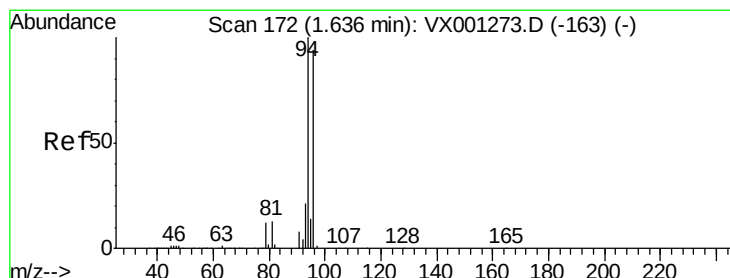
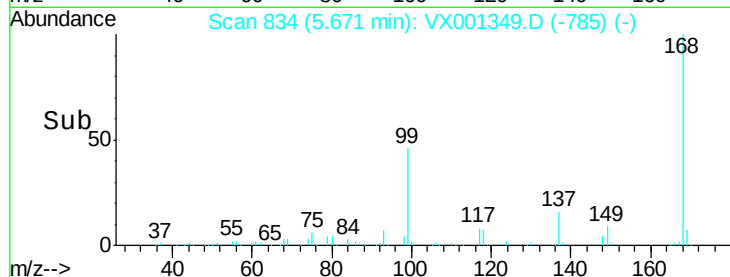
20000

10000

0

Time-->

5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001349.D

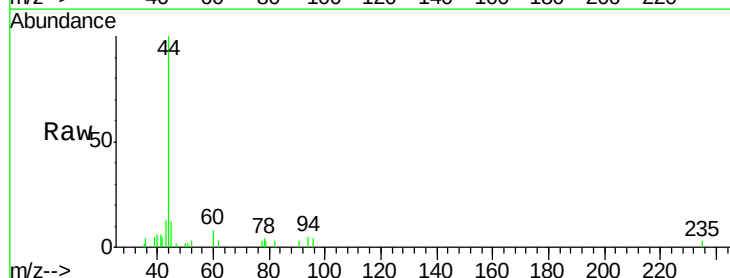
Acq: 03 May 2018 06:33

Tgt Ion: 94 Resp: 139

Ion Ratio Lower Upper

94 100

96 91.5 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

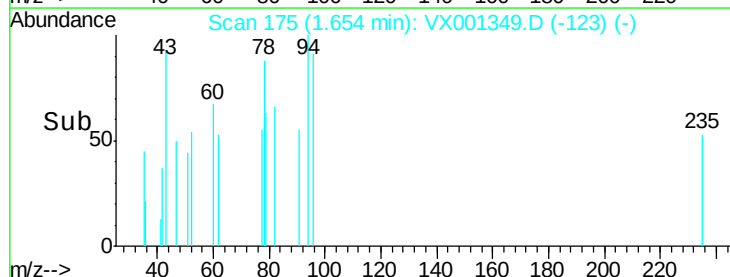
100

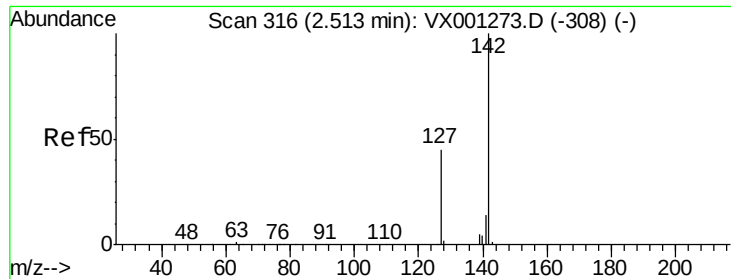
50

0

Time-->

1.64 1.66 1.68

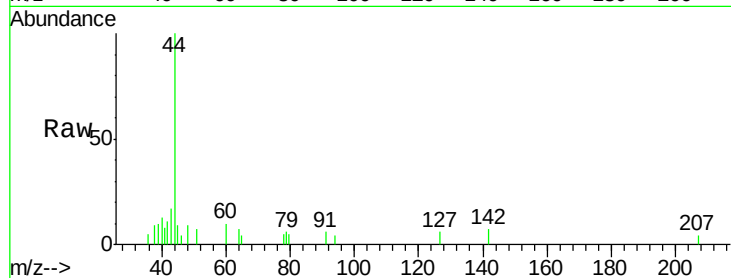




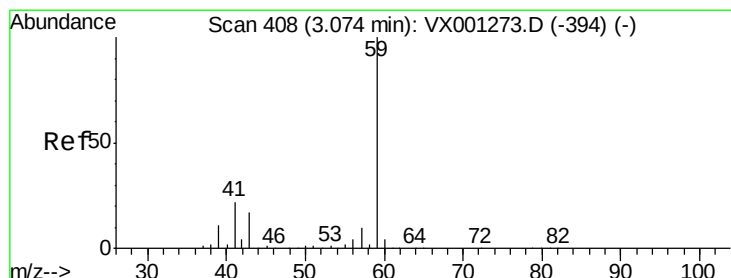
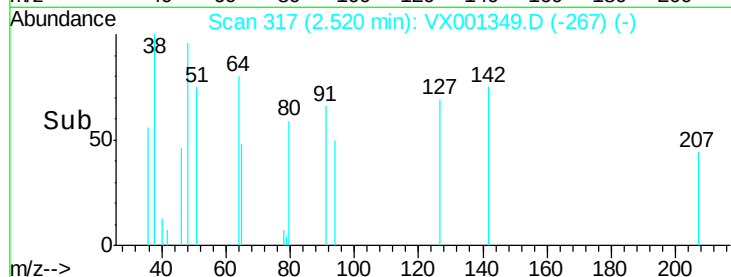
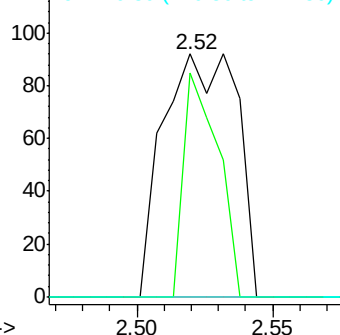
#10
Methyl Iodide
Concen: 4.42 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001349.D
Acq: 03 May 2018 06:33

Instrument :
MSVOA_X
ClientSampled :
BFB

Tgt Ion: 142 Resp: 173
Ion Ratio Lower Upper
142 100
127 43.4 35.7 53.5
141 0.0 11.4 17.0#

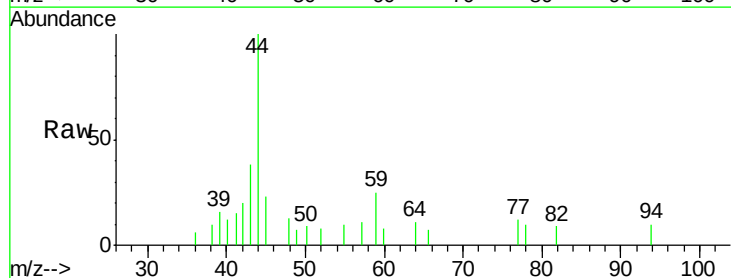


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

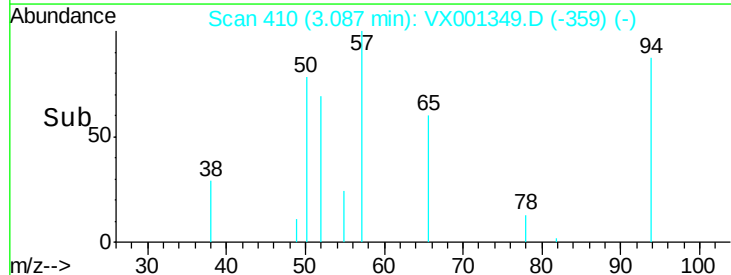
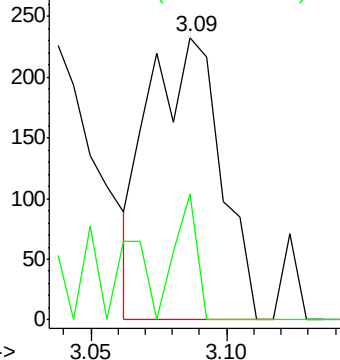


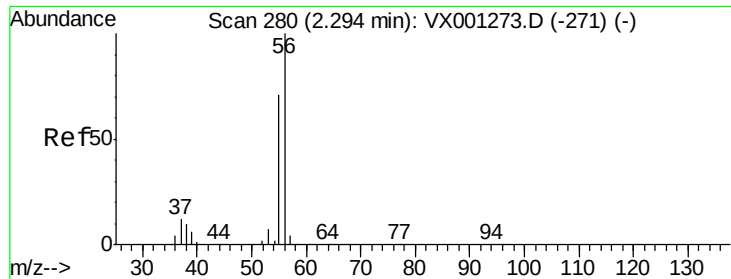
#11
Tert butyl alcohol
Concen: 1.18 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX001349.D
Acq: 03 May 2018 06:33

Tgt Ion: 59 Resp: 429
Ion Ratio Lower Upper
59 100
57 13.8 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: 0.34 ug/l

RT: 2.32 min Scan# 284

Delta R.T. 0.02 min

Lab File: VX001349.D

Acq: 03 May 2018 06:33

Instrument :

MSVOA_X

ClientSampled :

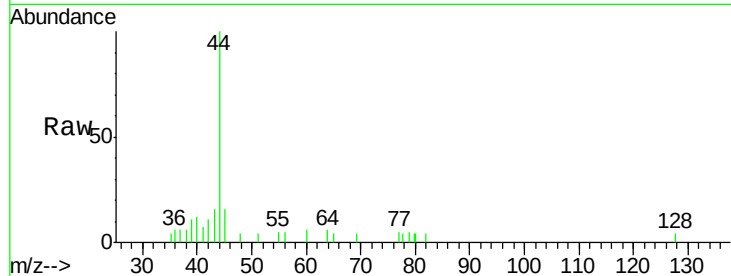
BFB

Tgt Ion: 56 Resp: 71

Ion Ratio Lower Upper

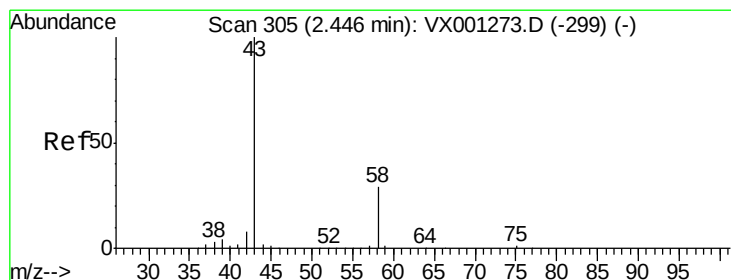
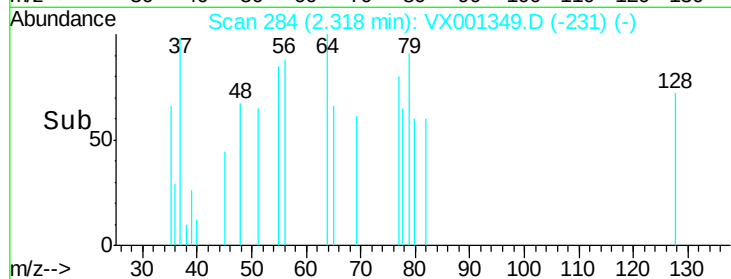
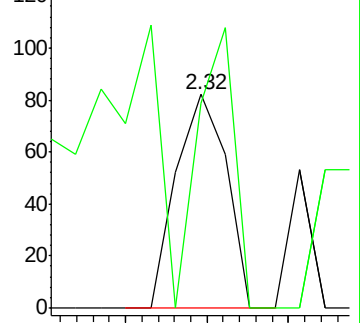
56 100

55 95.8 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: 13.23 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001349.D

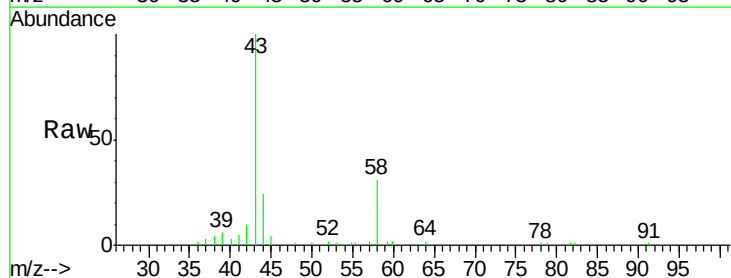
Acq: 03 May 2018 06:33

Tgt Ion: 43 Resp: 11898

Ion Ratio Lower Upper

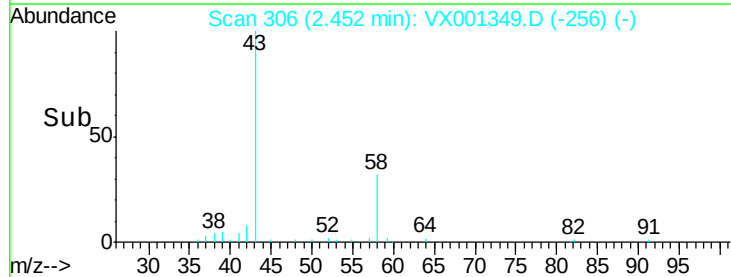
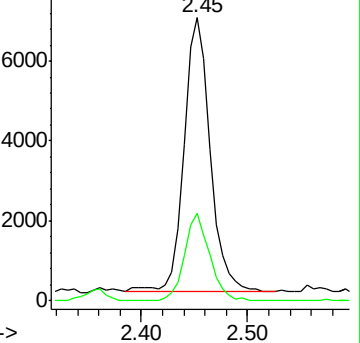
43 100

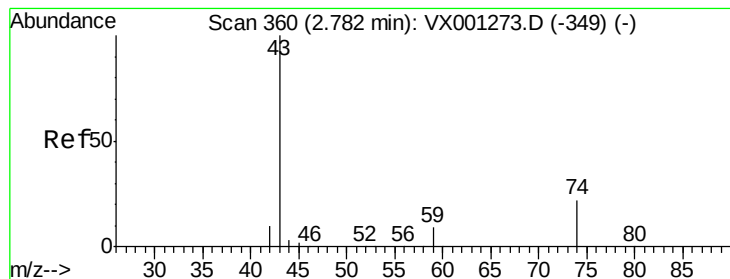
58 31.8 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#18

Methyl Acetate

Concen: 8.02 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.01 min

Lab File: VX001349.D

Acq: 03 May 2018 06:33

Instrument :

MSVOA_X

ClientSampleId :

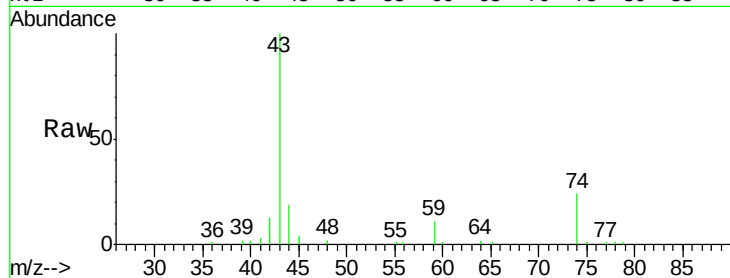
BFB

Tgt Ion: 43 Resp: 17024

Ion Ratio Lower Upper

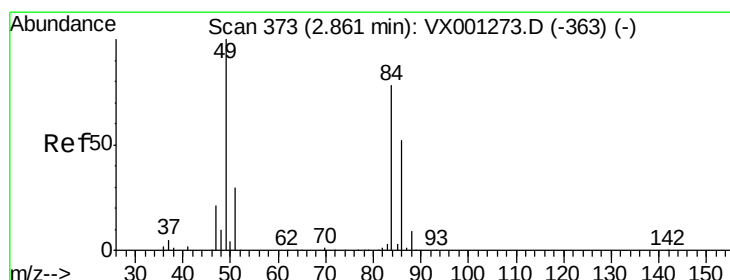
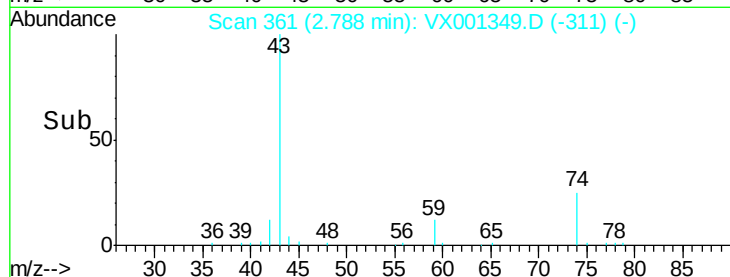
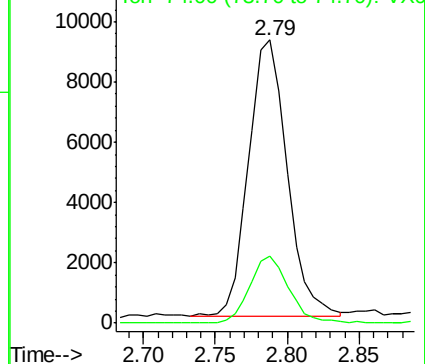
43 100

74 24.6 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#20

Methylene Chloride

Concen: 0.58 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX001349.D

Acq: 03 May 2018 06:33

Tgt Ion: 84 Resp: 3494

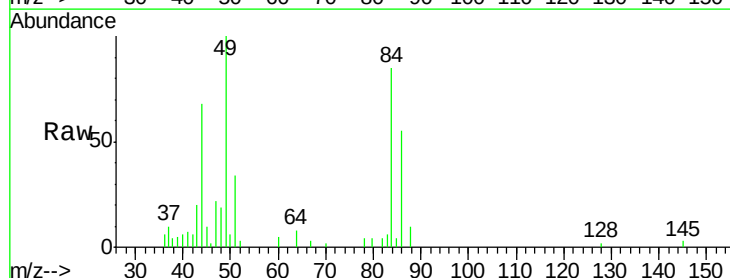
Ion Ratio Lower Upper

84 100

49 117.7 102.8 154.2

51 37.4 30.9 46.3

86 64.9 53.0 79.4

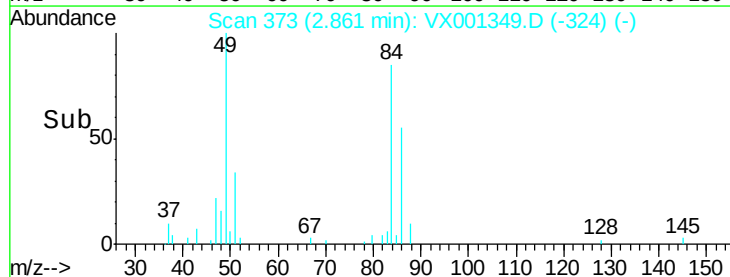
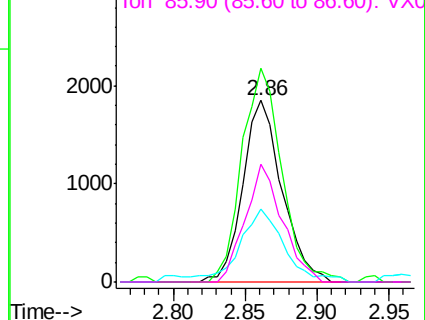


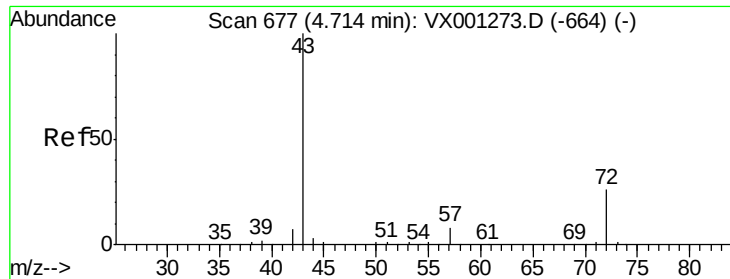
Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 3.66 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001349.D

Acq: 03 May 2018 06:33

Instrument :

MSVOA_X

ClientSampled :

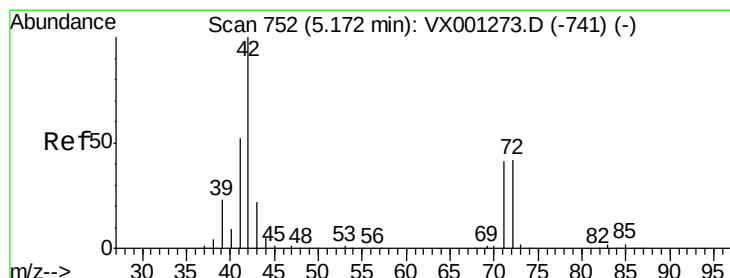
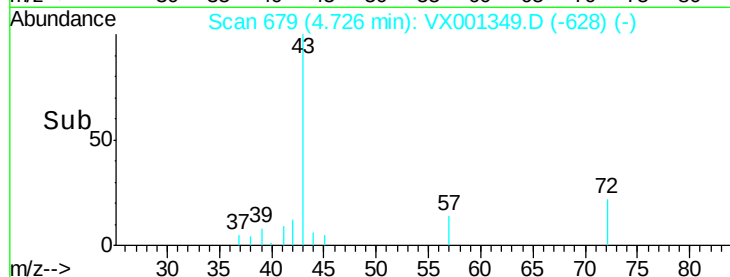
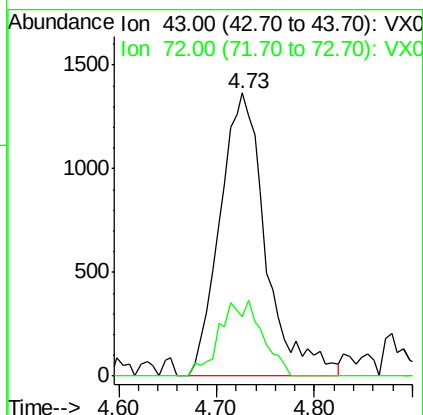
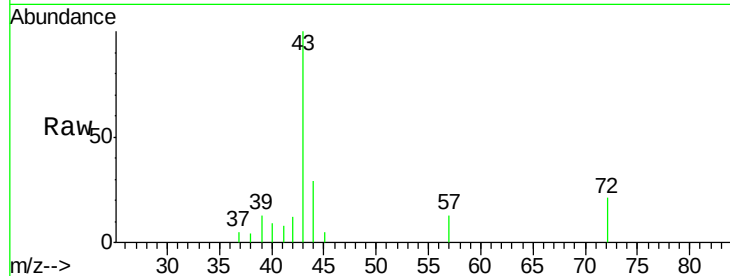
BFB

Tgt Ion: 43 Resp: 4446

Ion Ratio Lower Upper

43 100

72 20.9 20.5 30.7



#29

Tetrahydrofuran

Concen: 1.49 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.02 min

Lab File: VX001349.D

Acq: 03 May 2018 06:33

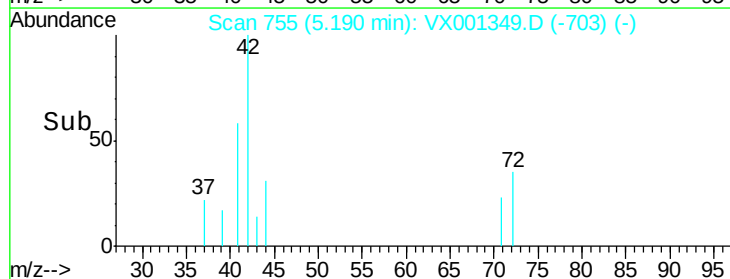
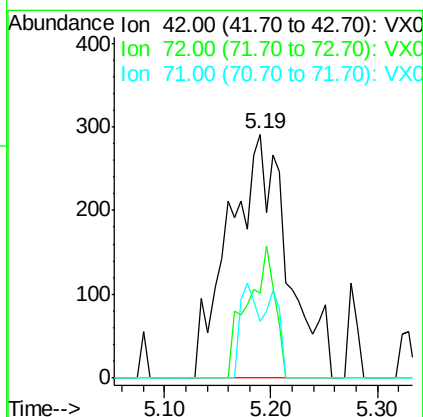
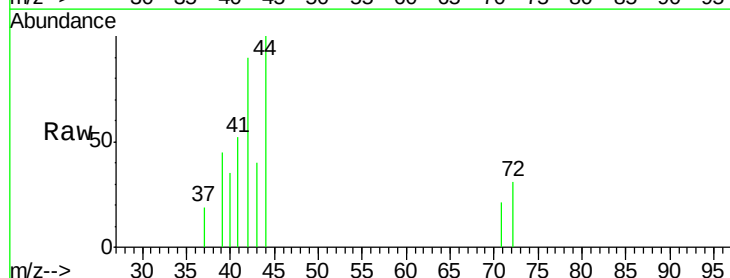
Tgt Ion: 42 Resp: 1117

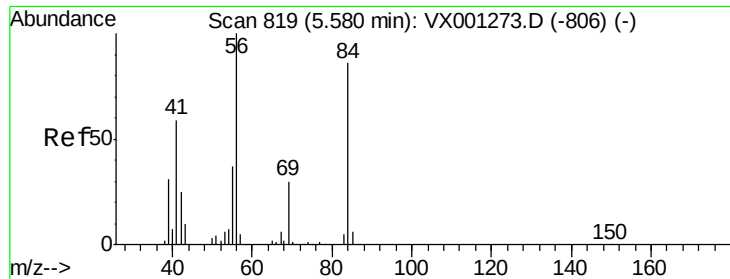
Ion Ratio Lower Upper

42 100

72 25.5 34.6 52.0#

71 12.0 32.7 49.1#

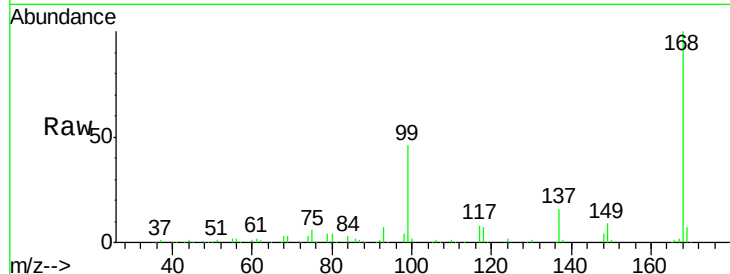




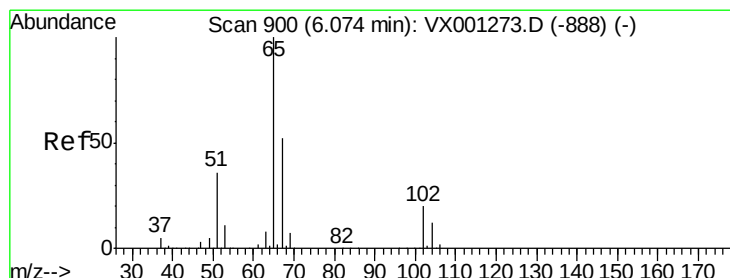
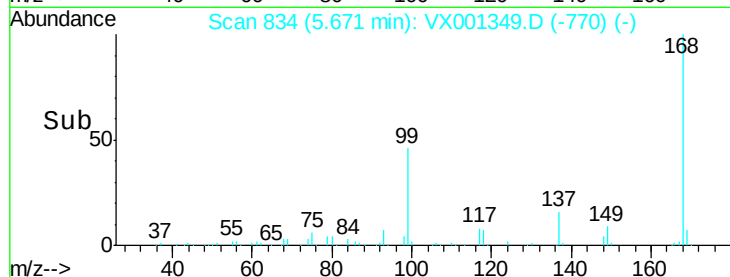
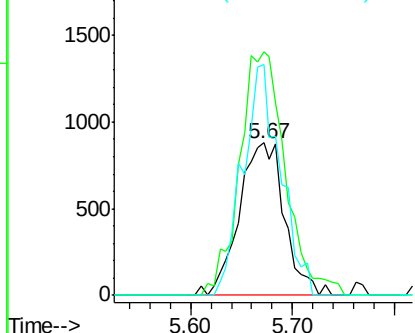
#31
Cyclohexane
Concen: 1.05 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX001349.D
Acq: 03 May 2018 06:33

Instrument :
MSVOA_X
ClientSampleId :
BFB

Tgt Ion: 56 Resp: 2721
Ion Ratio Lower Upper
56 100
69 160.0 24.0 36.0#
84 151.8 69.0 103.4#

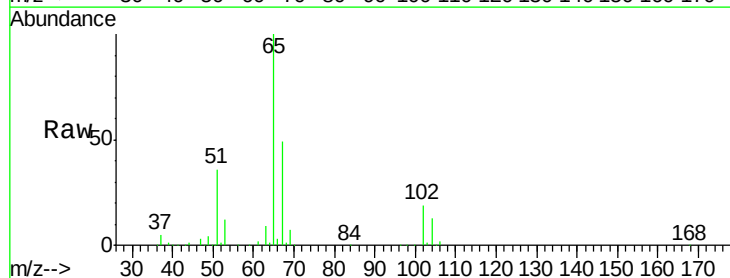


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

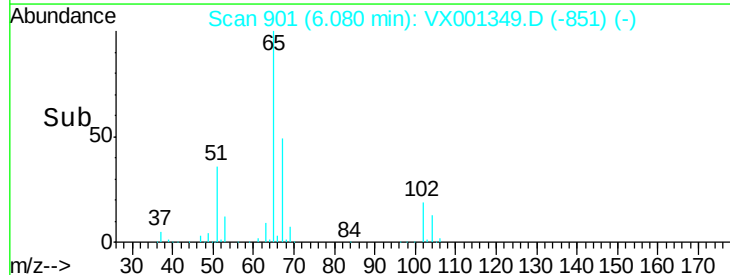
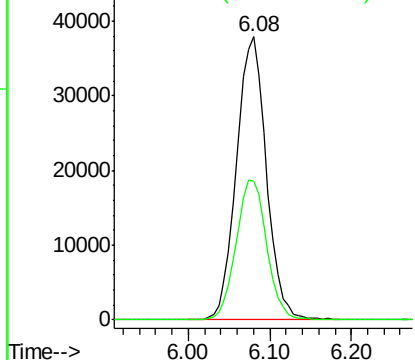


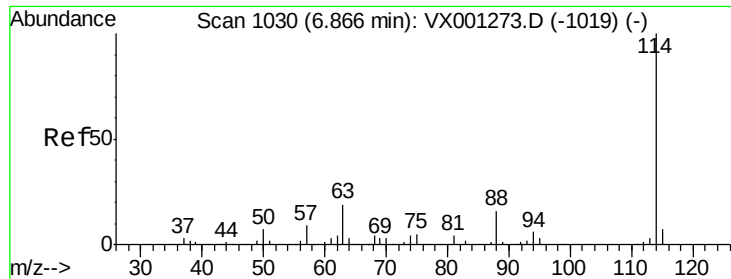
#33
1,2-Dichloroethane-d4
Concen: 45.68 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.01 min
Lab File: VX001349.D
Acq: 03 May 2018 06:33

Tgt Ion: 65 Resp: 96234
Ion Ratio Lower Upper
65 100
67 50.6 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: VX001349.D

Acq: 03 May 2018 06:33

Instrument :

MSVOA_X

ClientSampleId :

BFB

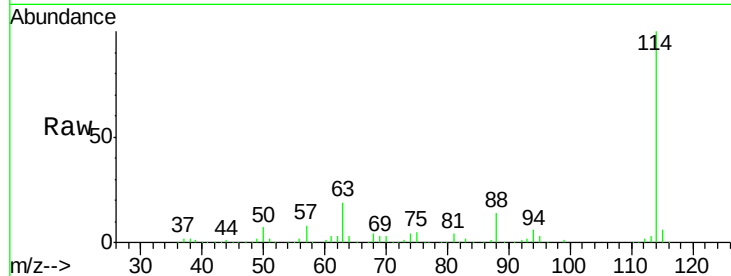
Tgt Ion:114 Resp: 207687

Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.8

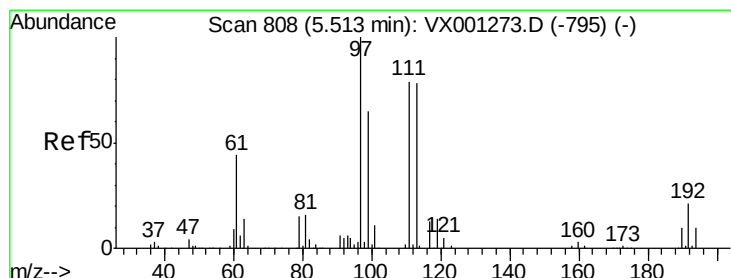
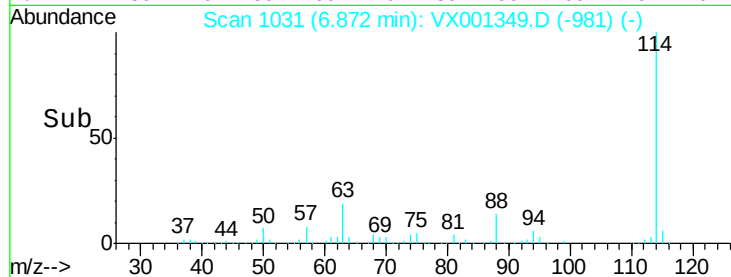
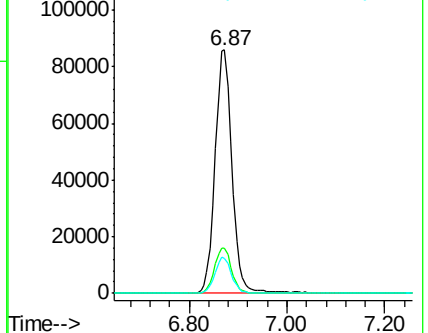
88 14.4 0.0 32.2



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: 44.22 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001349.D

Acq: 03 May 2018 06:33

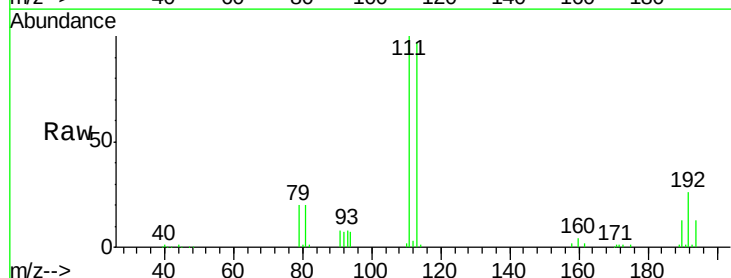
Tgt Ion:113 Resp: 79125

Ion Ratio Lower Upper

113 100

111 100.5 81.2 121.8

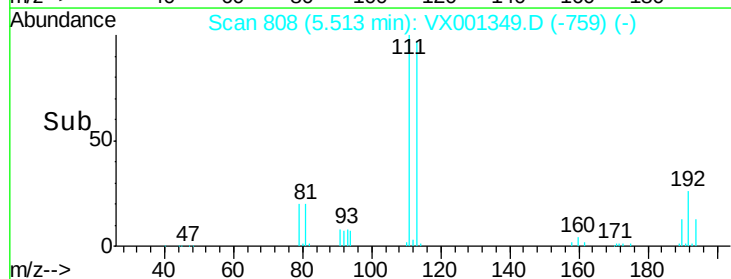
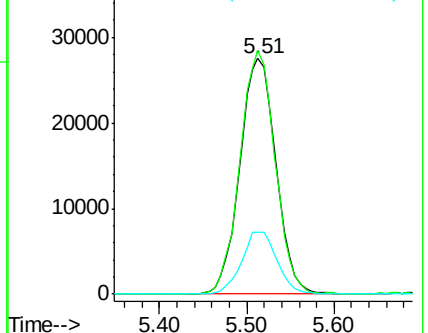
192 25.9 20.7 31.1

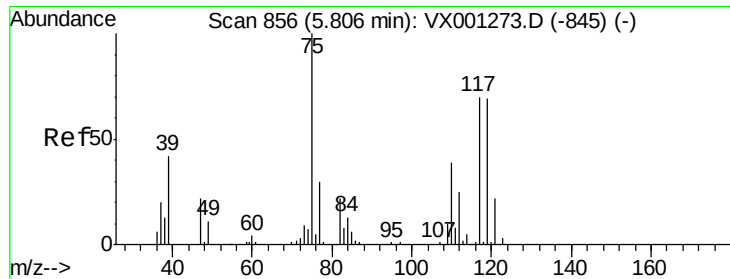


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

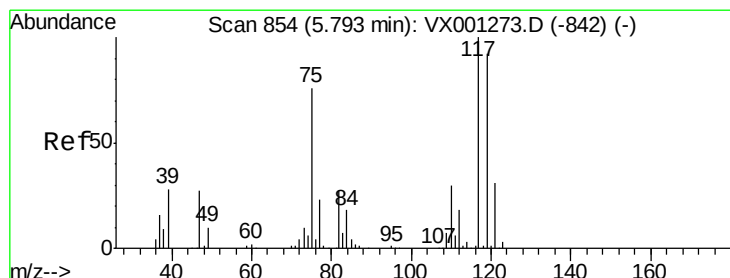
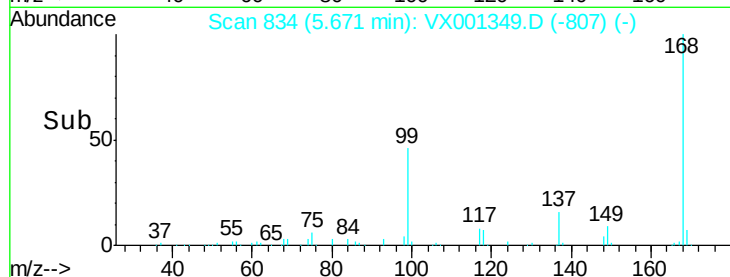
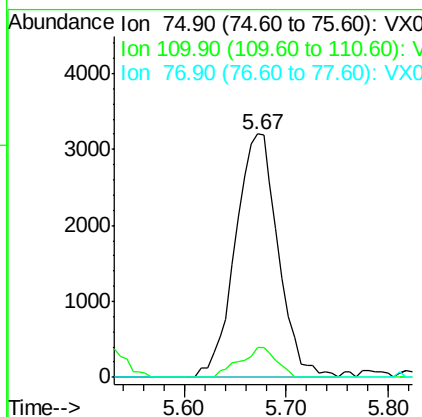
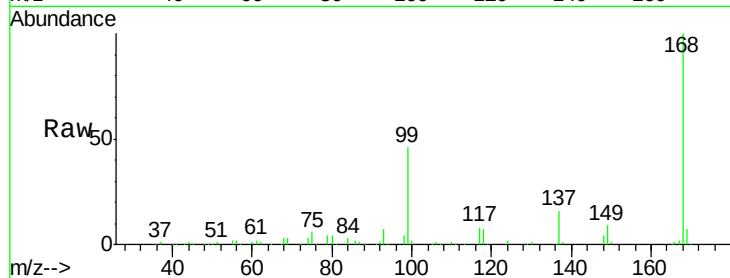




#36
 1,1-Dichloropropene
 Concen: 3.89 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001349.D
 Acq: 03 May 2018 06:33

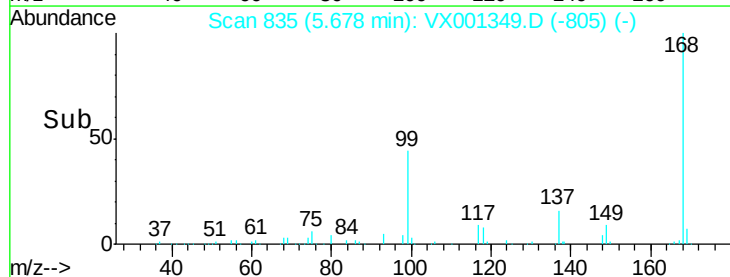
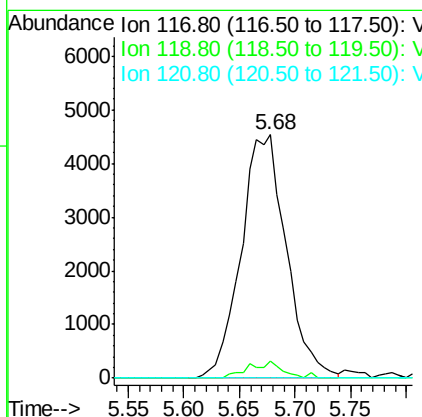
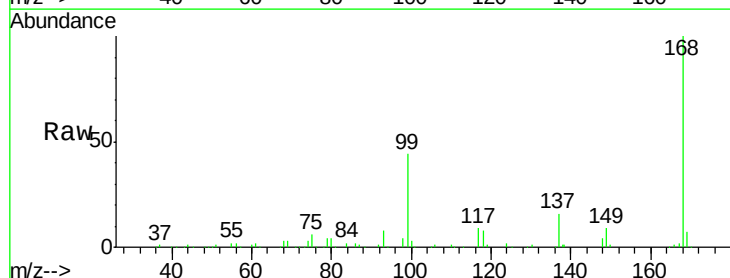
Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

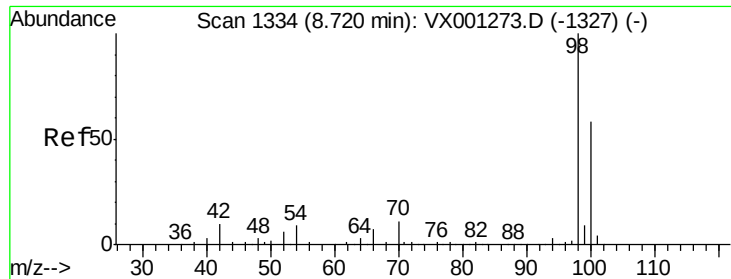
Tgt Ion: 75 Resp: 9317
 Ion Ratio Lower Upper
 75 100
 110 10.5 18.9 56.9#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 5.10 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.12 min
 Lab File: VX001349.D
 Acq: 03 May 2018 06:33

Tgt Ion: 117 Resp: 12801
 Ion Ratio Lower Upper
 117 100
 119 6.9 73.4 110.2#
 121 0.0 25.0 37.4#

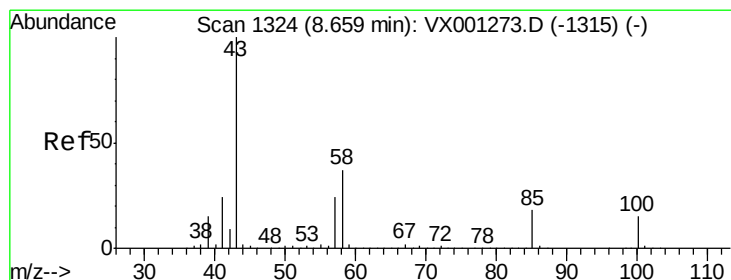
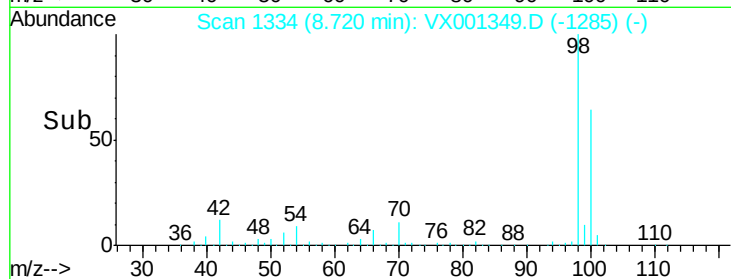
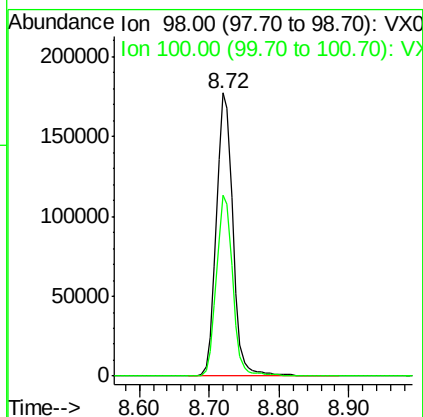
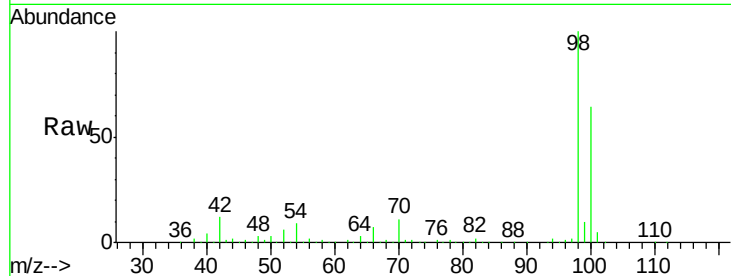




#50
Toluene-d8
Concen: 45.80 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001349.D
Acq: 03 May 2018 06:33

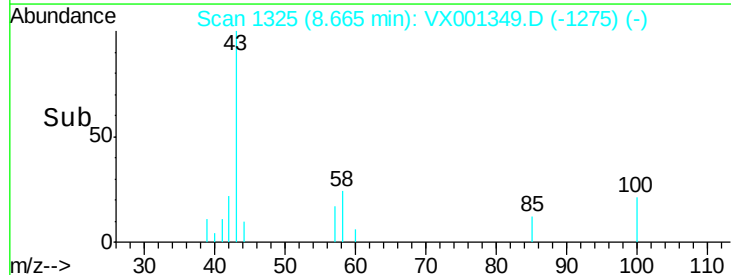
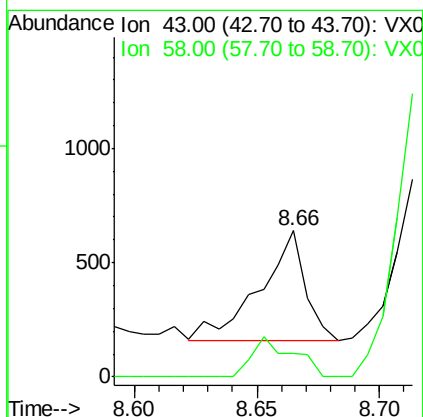
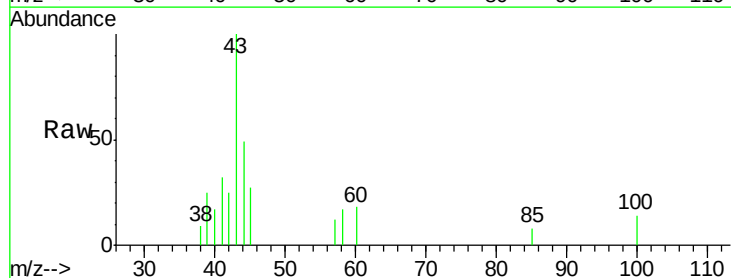
Instrument :
MSVOA_X
ClientSampled :
BFB

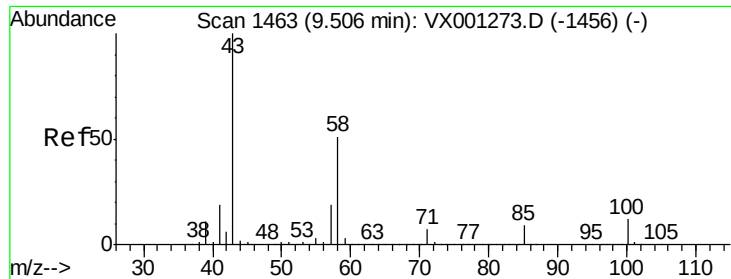
Tgt Ion: 98 Resp: 292794
Ion Ratio Lower Upper
98 100
100 63.3 51.0 76.4



#51
4-Methyl-2-Pentanone
Concen: 0.25 ug/l
RT: 8.66 min Scan# 1325
Delta R.T. 0.01 min
Lab File: VX001349.D
Acq: 03 May 2018 06:33

Tgt Ion: 43 Resp: 619
Ion Ratio Lower Upper
43 100
58 33.1 29.0 43.6

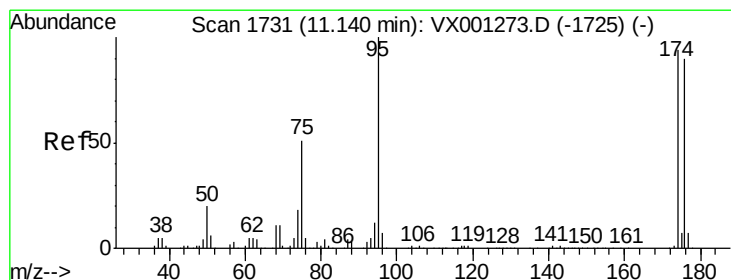
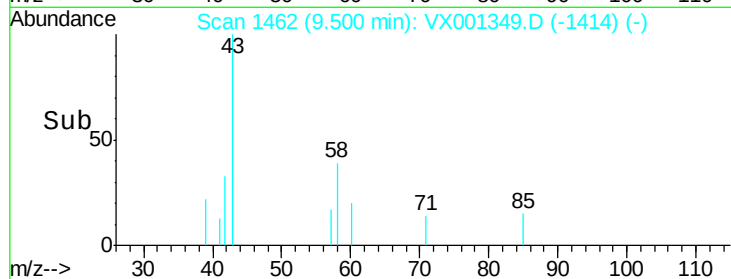
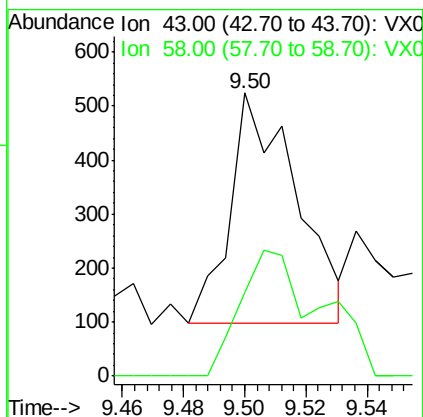
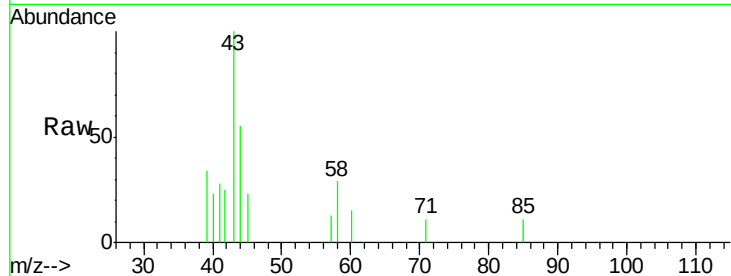




#59
2-Hexanone
Concen: 0.33 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.01 min
Lab File: VX001349.D
Acq: 03 May 2018 06:33

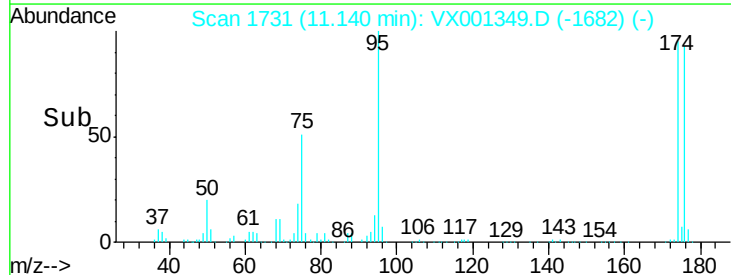
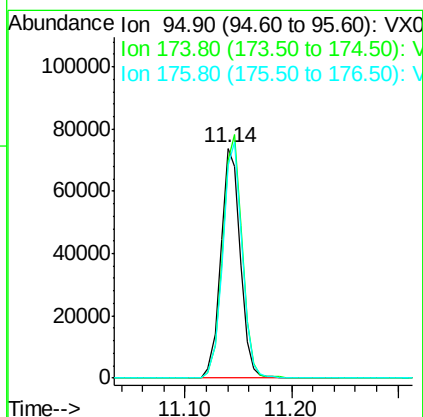
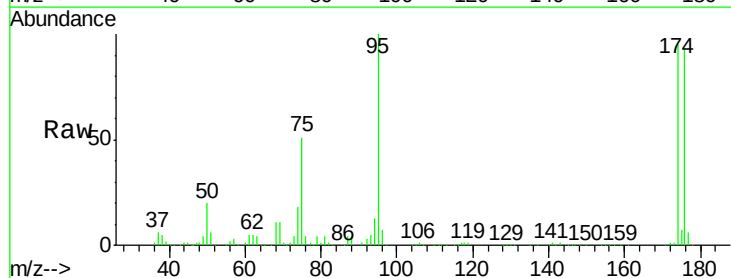
Instrument :
MSVOA_X
ClientSampled :
BFB

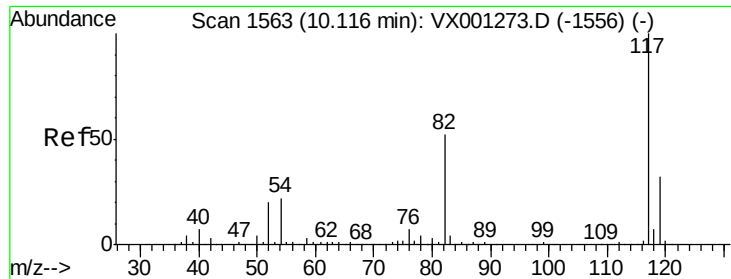
Tgt Ion: 43 Resp: 642
Ion Ratio Lower Upper
43 100
58 65.6 25.7 77.0



#62
4-Bromofluorobenzene
Concen: 36.87 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001349.D
Acq: 03 May 2018 06:33

Tgt Ion: 95 Resp: 94254
Ion Ratio Lower Upper
95 100
174 105.9 0.0 201.8
176 102.5 0.0 197.2

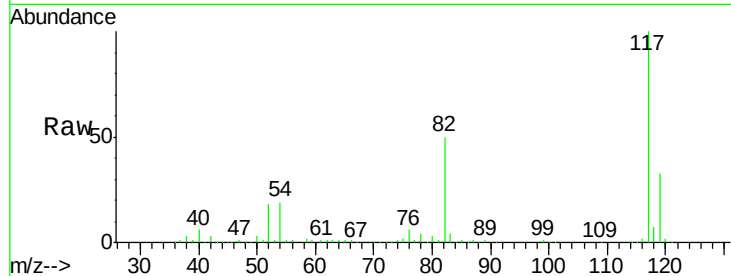




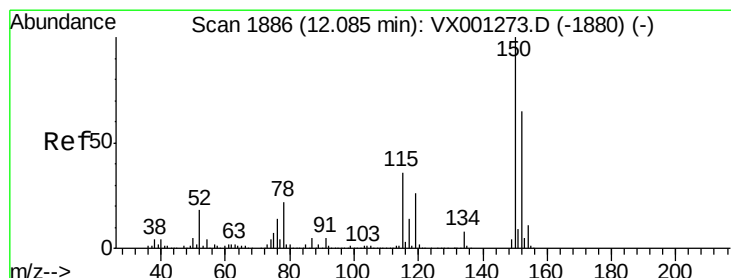
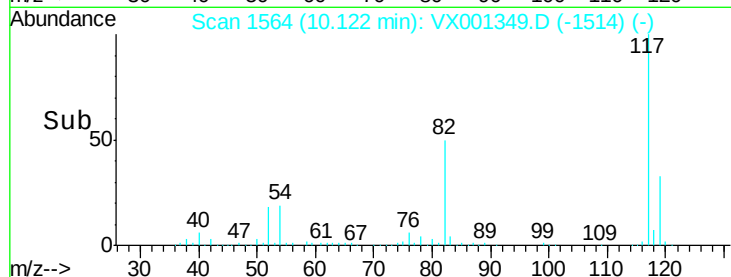
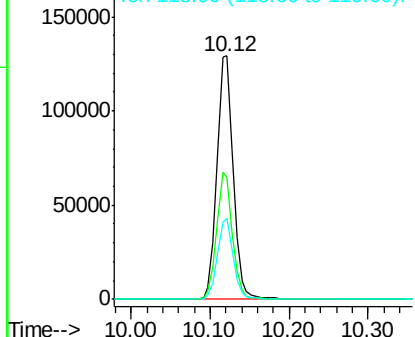
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001349.D
Acq: 03 May 2018 06:33

Instrument :
MSVOA_X
ClientSampleId :
BFB

Tgt Ion:117 Resp: 187046
Ion Ratio Lower Upper
117 100
82 50.0 41.4 62.0
119 33.1 25.5 38.3

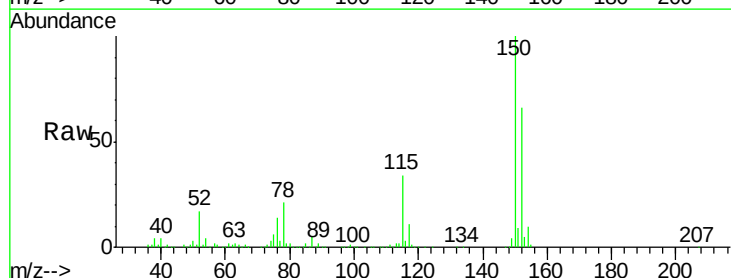


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

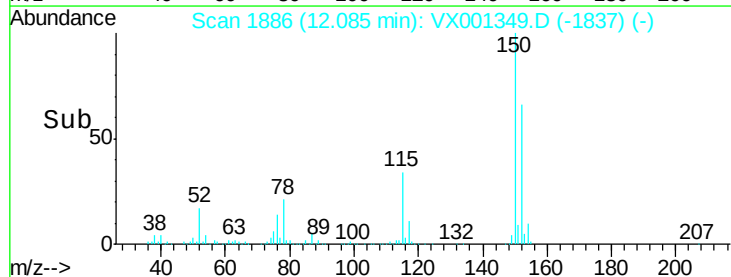
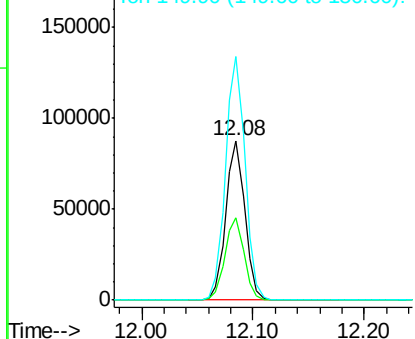


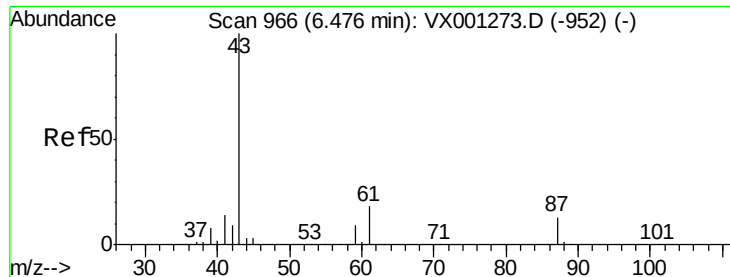
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001349.D
Acq: 03 May 2018 06:33

Tgt Ion:152 Resp: 104151
Ion Ratio Lower Upper
152 100
115 51.9 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: 0.24 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX001349.D

Acq: 03 May 2018 06:33

Instrument :

MSVOA_X

ClientSampleId :

BFB

Tgt Ion: 43 Resp: 725

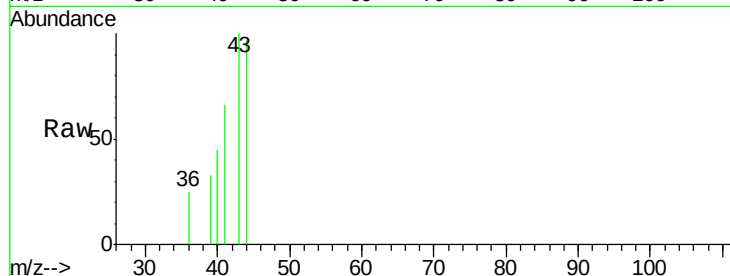
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.1 0.1#

61 5.7 15.0 22.4#

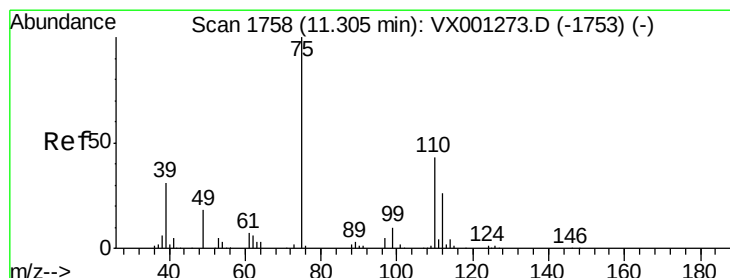
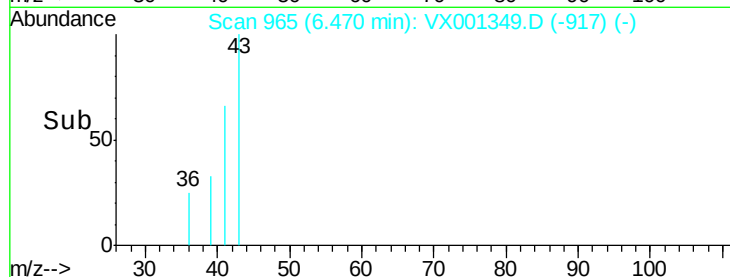
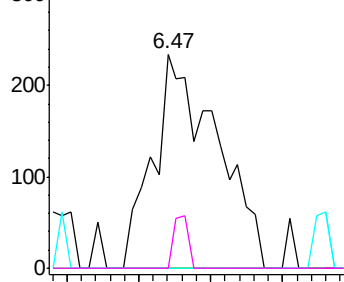


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 24.66 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001349.D

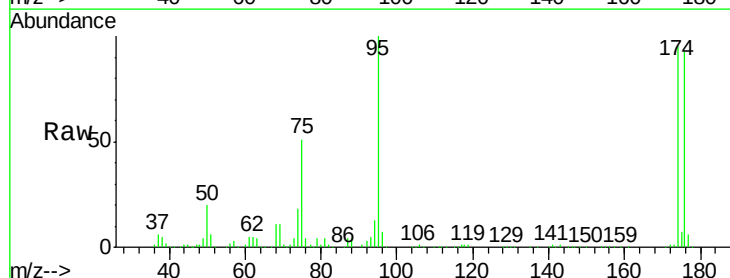
Acq: 03 May 2018 06:33

Tgt Ion: 75 Resp: 47502

Ion Ratio Lower Upper

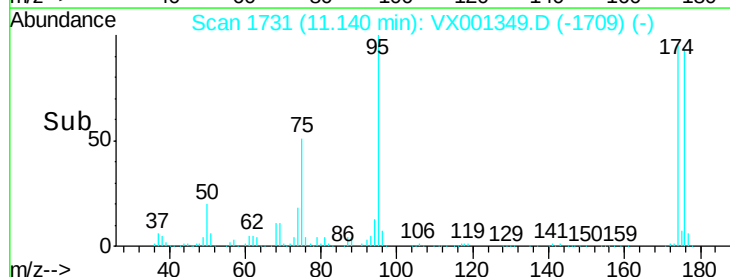
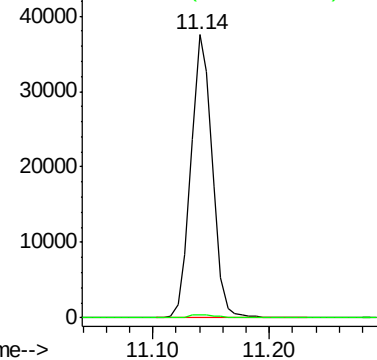
75 100

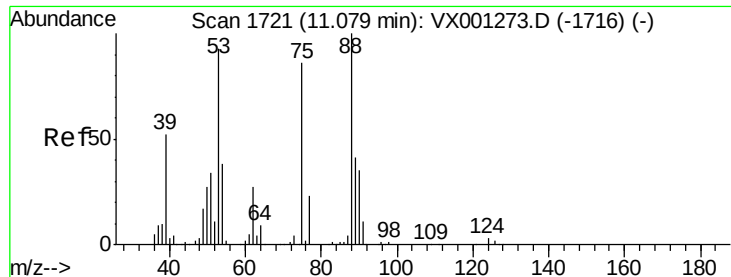
77 1.4 18.9 56.5#



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: 77.65 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001349.D

Acq: 03 May 2018 06:33

Instrument :

MSVOA_X

ClientSampleId :

BFB

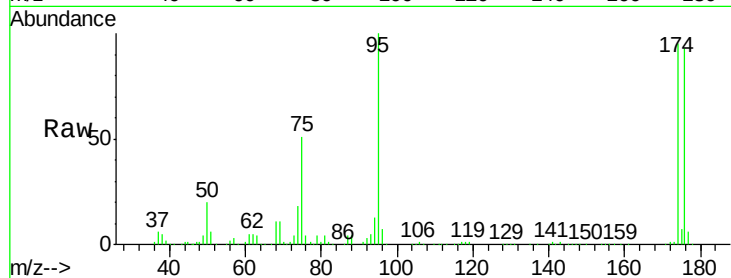
Tgt Ion: 75 Resp: 47502

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

