

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111218\
 Data File : VX005894.D
 Acq On : 12 Nov 2018 12:28
 Operator : JC/MD
 Sample : VX1112WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBL01

Quant Time: Nov 13 04:39:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	98997	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	148898	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	133736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	66534	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	65208	57.30	ug/l	0.00
Spiked Amount			Recovery	=	114.60%	
35) Dibromofluoromethane	5.49	113	50763	50.12	ug/l	-0.01
Spiked Amount			Recovery	=	100.24%	
50) Toluene-d8	8.71	98	176310	52.37	ug/l	0.00
Spiked Amount			Recovery	=	104.74%	
62) 4-Bromofluorobenzene	11.14	95	59198	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	

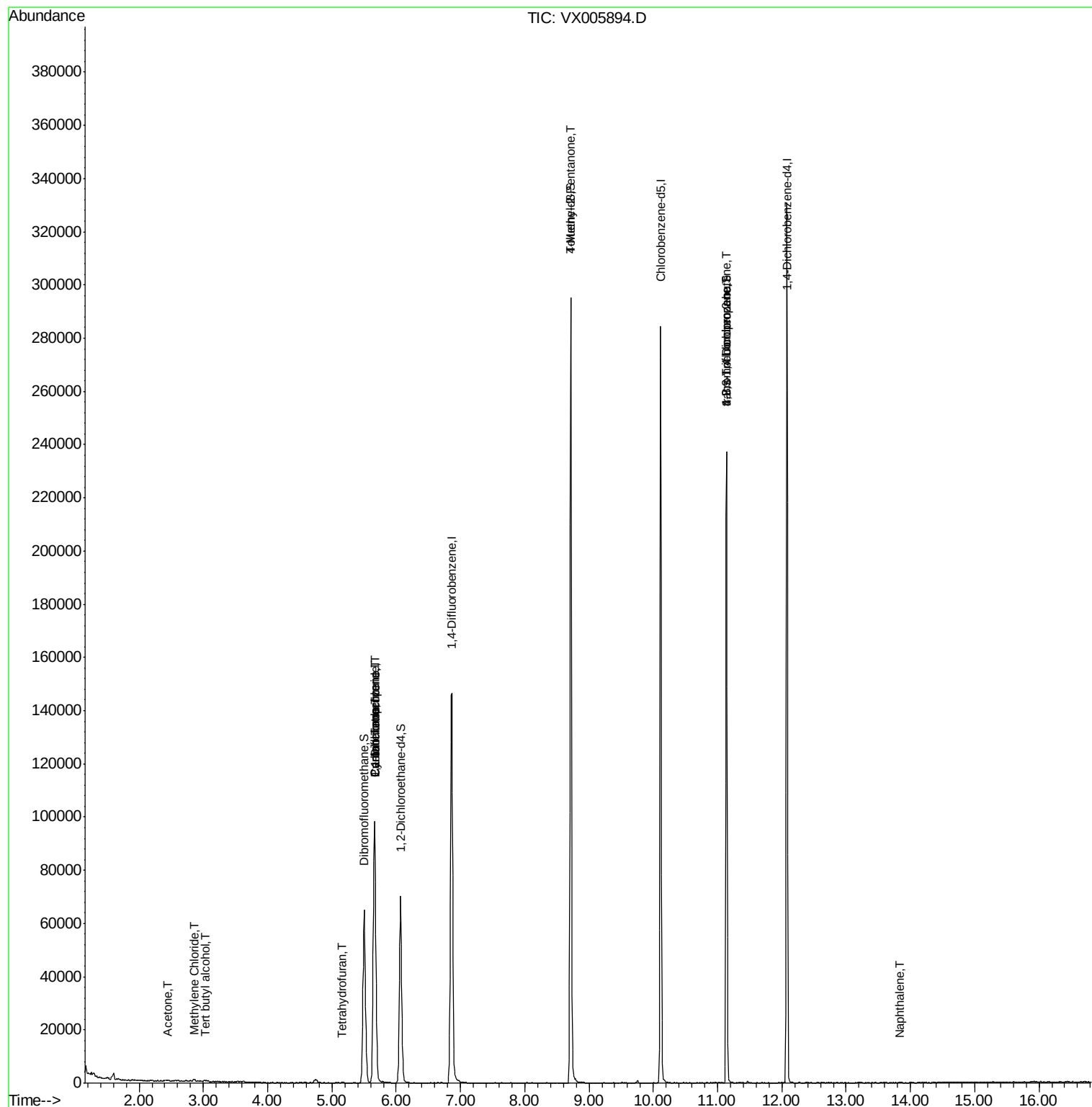
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.03	59	264	0.810	ug/l #	72
16) Acetone	2.45	43	324	0.529	ug/l #	86
18) Methyl Acetate	2.77	43	262	Below Cal	#	55
20) Methylene Chloride	2.86	84	274	0.272	ug/l #	88
29) Tetrahydrofuran	5.17	42	206	0.333	ug/l #	36
31) Cyclohexane	5.67	56	1893	1.194	ug/l #	8
36) 1,1-Dichloropropene	5.67	75	7167	4.993	ug/l #	49
38) Carbon Tetrachloride	5.67	117	9294	6.468	ug/l #	16
51) 4-Methyl-2-Pentanone	8.71	43	848	0.492	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	29605	21.852	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	29605	69.647	ug/l #	9
95) Naphthalene	13.83	128	119	1.202	ug/l #	69

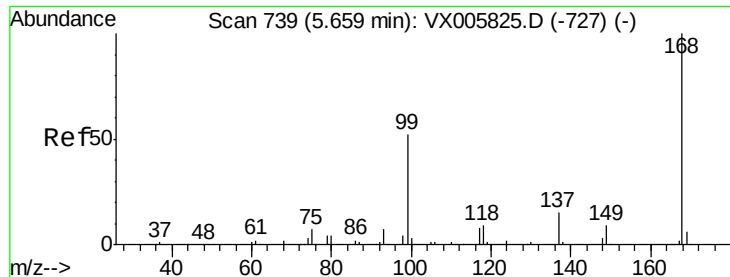
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005894.D

Acq: 12 Nov 2018 12:28

Instrument :

MSVOA_X

ClientSampleId :

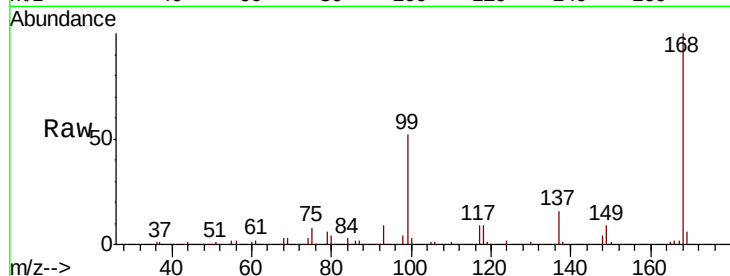
VX1112WBL01

Tot Ion:168 Resp: 98997

Ion Ratio Lower Upper

168 100

99 52.0 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

30000

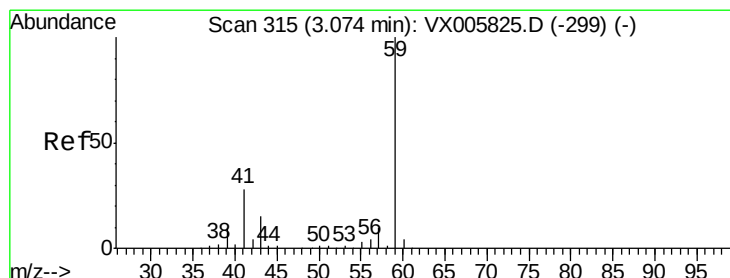
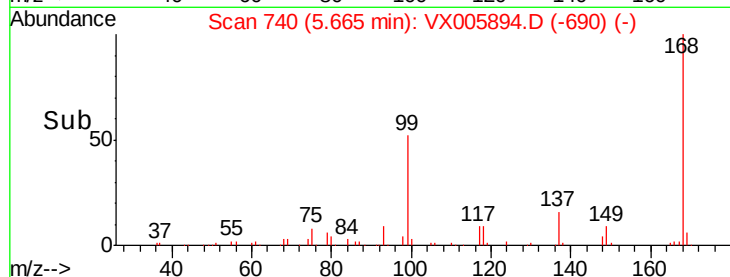
20000

10000

0

Time-->

5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 0.810 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX005894.D

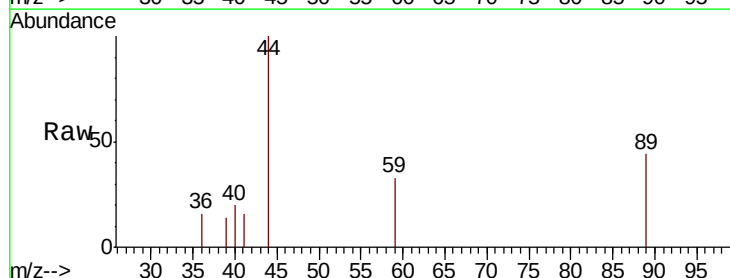
Acq: 12 Nov 2018 12:28

Tgt Ion: 59 Resp: 264

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.03

150

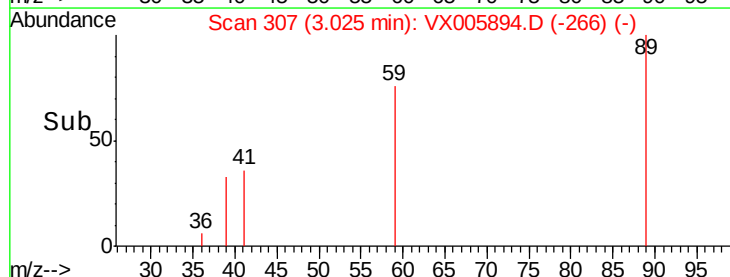
100

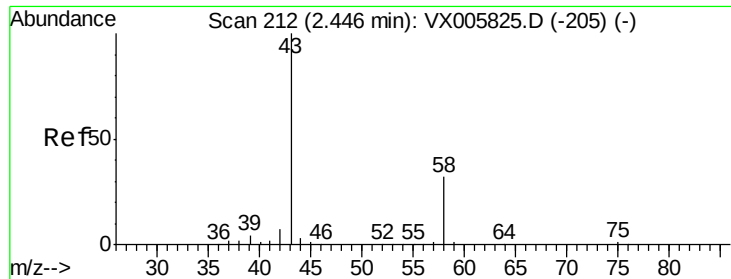
50

0

Time-->

3.00 3.05





#16

Acetone

Concen: 0.529 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005894.D

Acq: 12 Nov 2018 12:28

Instrument :

MSVOA_X

ClientSampleId :

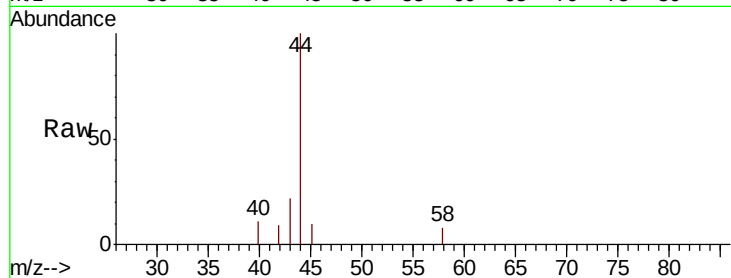
VX1112WBL01

Tot Ion: 43 Resp: 324

Ion Ratio Lower Upper

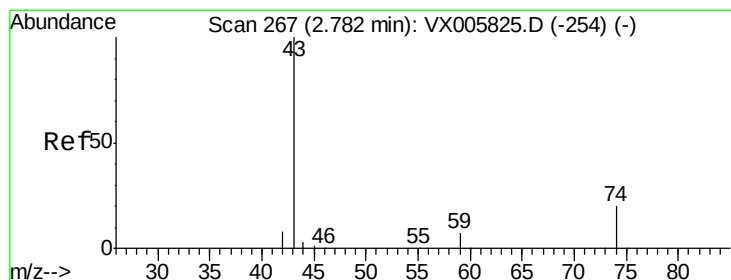
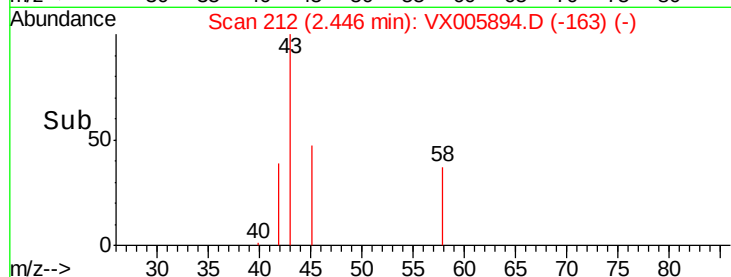
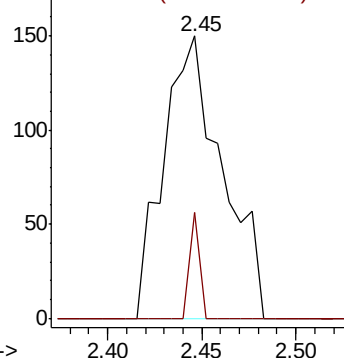
43 100

58 37.3 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: Below Cal

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX005894.D

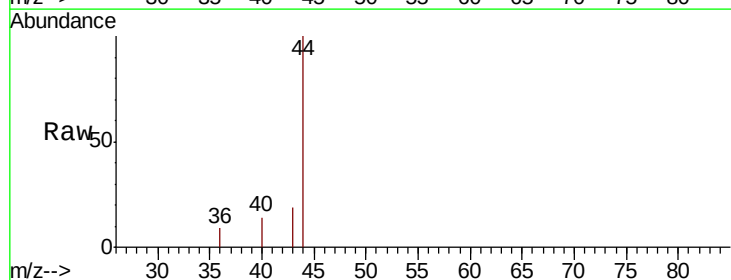
Acq: 12 Nov 2018 12:28

Tgt Ion: 43 Resp: 262

Ion Ratio Lower Upper

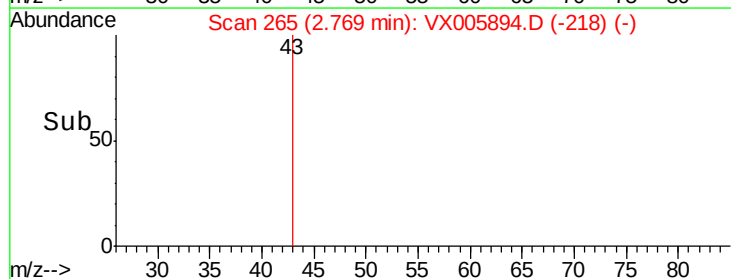
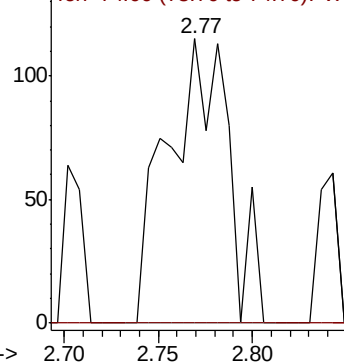
43 100

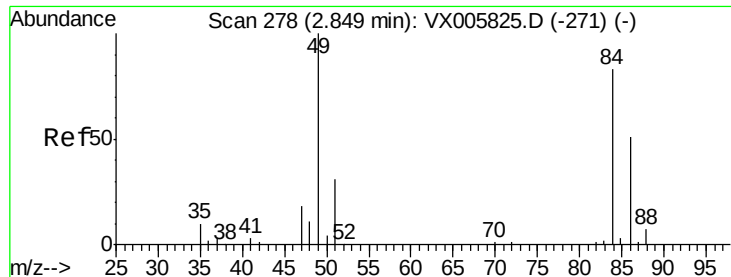
74 0.0 16.8 25.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

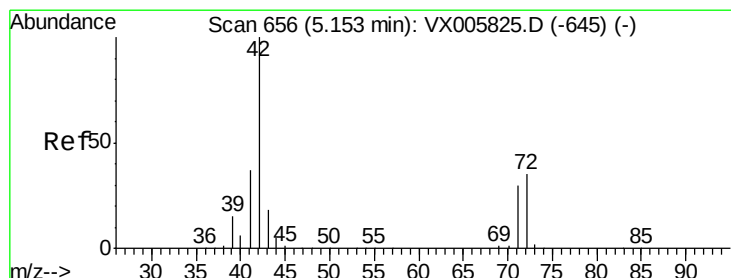
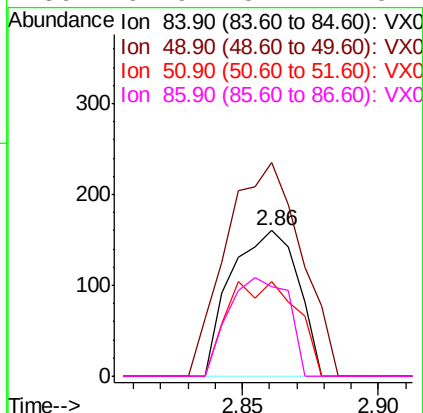
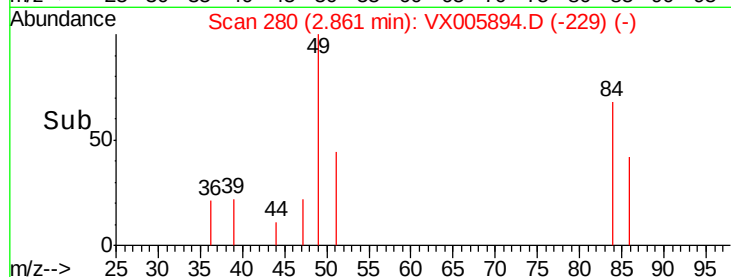
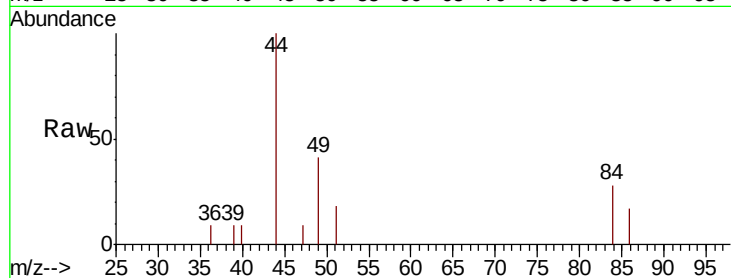




#20
Methylene Chloride
Concen: 0.272 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005894.D
Acq: 12 Nov 2018 12:28

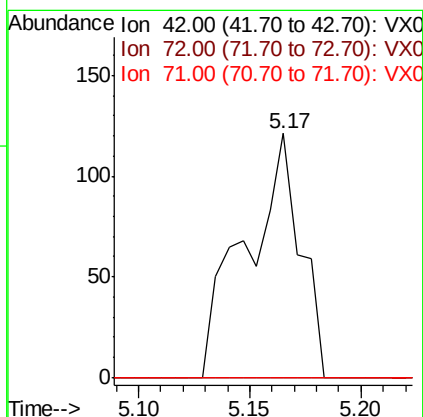
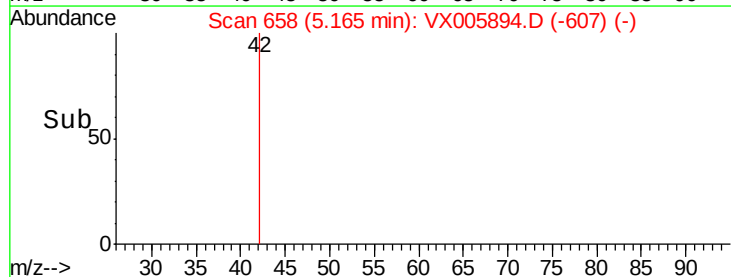
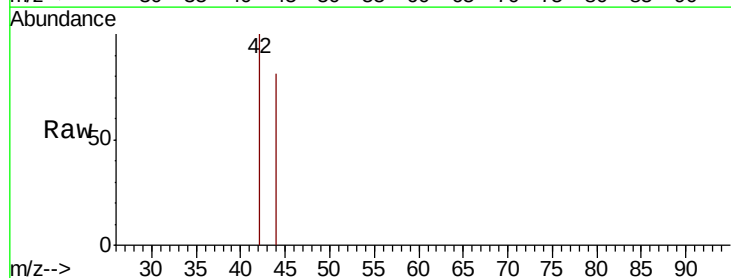
Instrument :
MSVOA_X
ClientSampleId :
VX1112WBL01

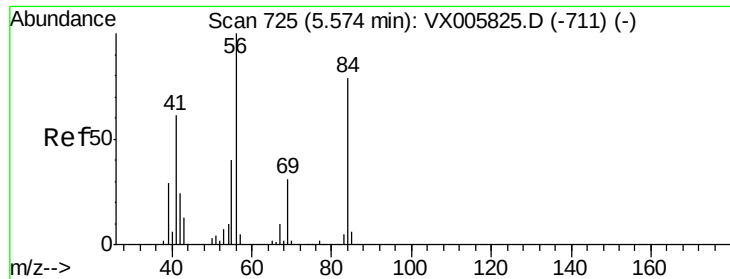
Tot Ion: 84 Resp: 274
Ion Ratio Lower Upper
84 100
49 146.9 109.5 164.3
51 65.0 33.3 49.9#
86 61.9 52.7 79.1



#29
Tetrahydrofuran
Concen: 0.333 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX005894.D
Acq: 12 Nov 2018 12:28

Tgt Ion: 42 Resp: 206
Ion Ratio Lower Upper
42 100
72 0.0 32.0 48.0#
71 0.0 29.8 44.8#

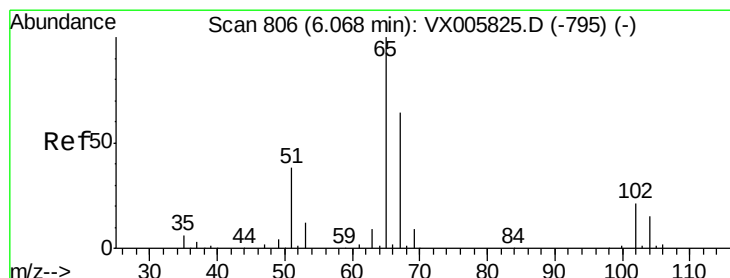
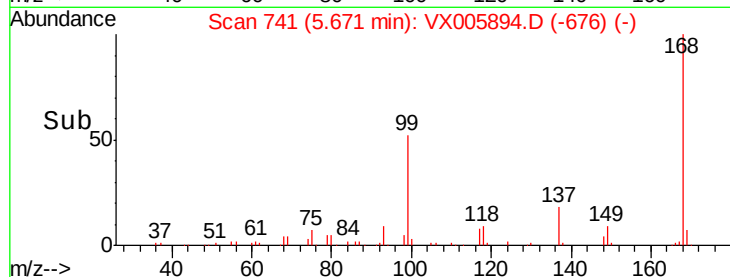
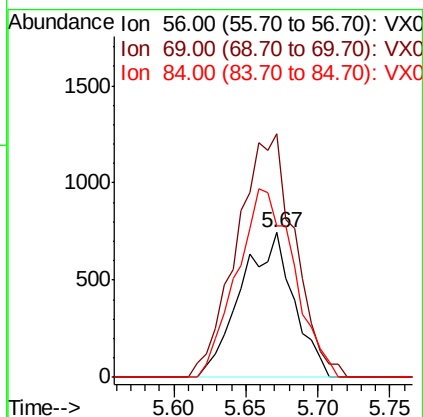
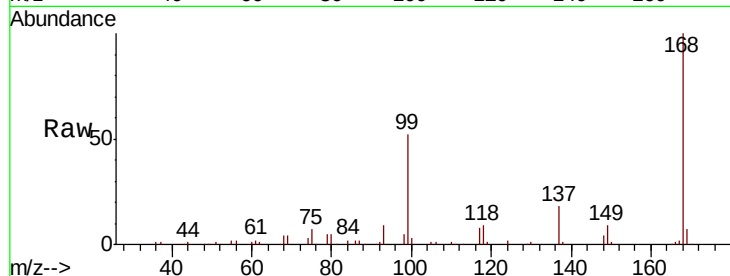




#31
Cyclohexane
Concen: 1.194 ug/l
RT: 5.67 min Scan# 741
Delta R.T. 0.10 min
Lab File: VX005894.D
Acq: 12 Nov 2018 12:28

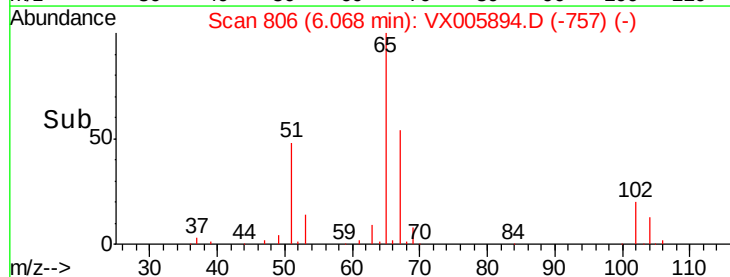
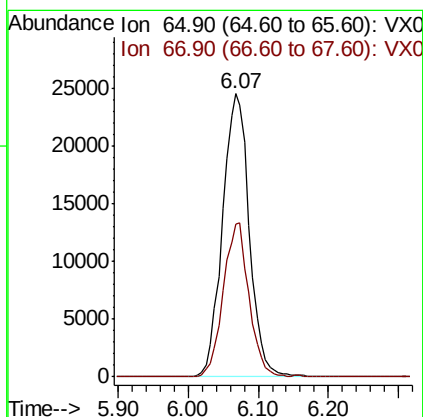
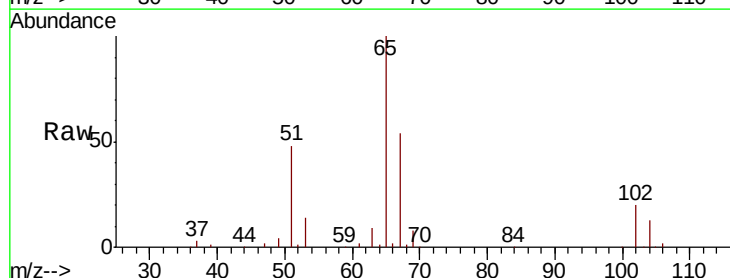
Instrument :
MSVOA_X
ClientSampleId :
VX1112WBL01

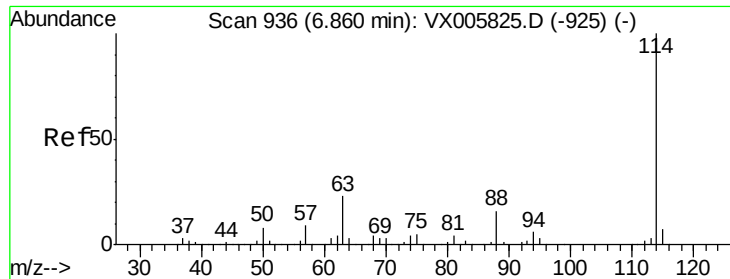
Tot Ion: 56 Resp: 1893
Ion Ratio Lower Upper
56 100
69 168.2 22.6 34.0#
84 104.4 62.7 94.1#



#33
1,2-Dichloroethane-d4
Concen: 57.296 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX005894.D
Acq: 12 Nov 2018 12:28

Tgt Ion: 65 Resp: 65208
Ion Ratio Lower Upper
65 100
67 52.1 0.0 105.0

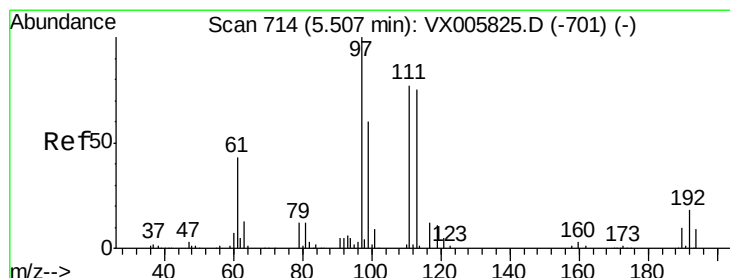
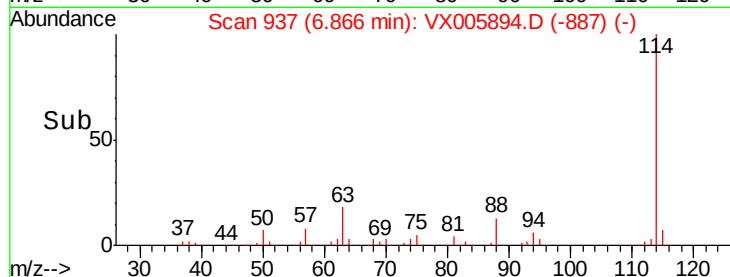
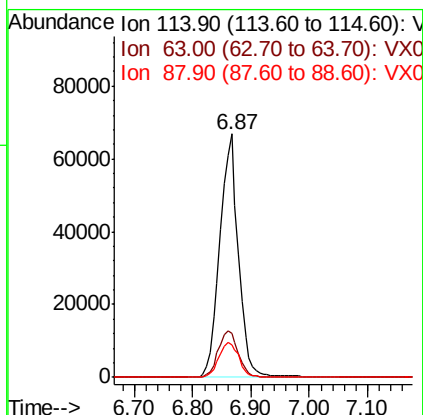
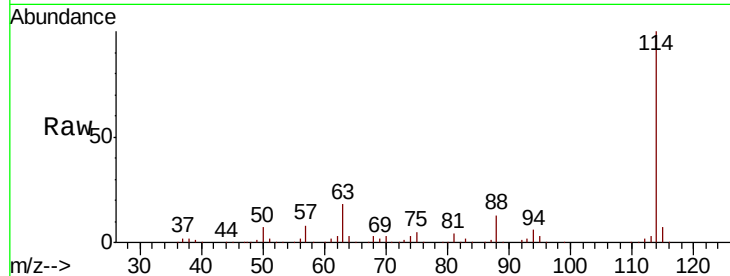




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.87 min Scan# 937
Delta R.T. 0.01 min
Lab File: VX005894.D
Acq: 12 Nov 2018 12:28

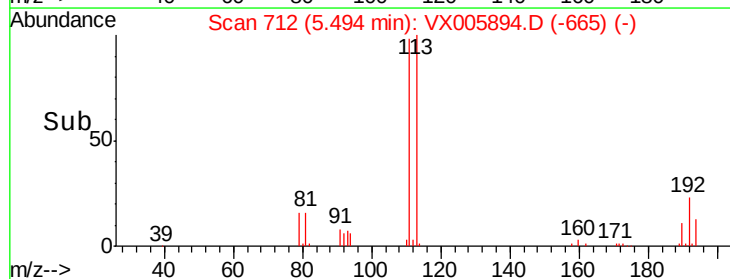
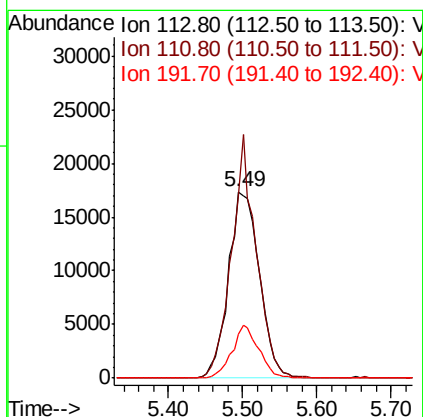
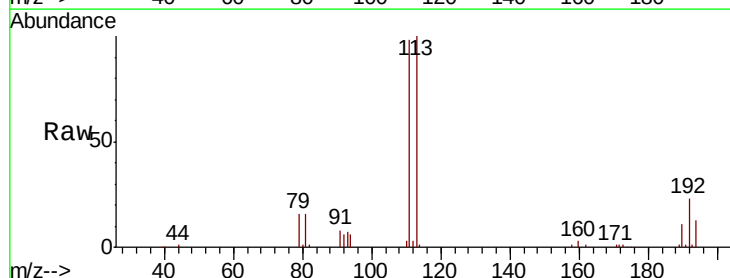
Instrument :
MSVOA_X
ClientSampleId :
VX1112WBL01

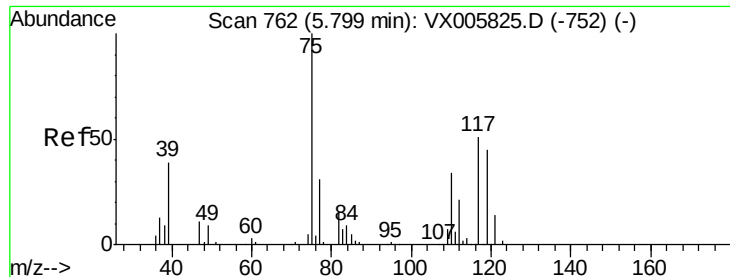
Tot Ion:114 Resp: 148898
Ion Ratio Lower Upper
114 100
63 18.2 0.0 42.8
88 13.2 0.0 31.2



#35
Dibromofluoromethane
Concen: 50.125 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX005894.D
Acq: 12 Nov 2018 12:28

Tgt Ion:113 Resp: 50763
Ion Ratio Lower Upper
113 100
111 103.9 82.3 123.5
192 24.2 17.9 26.9

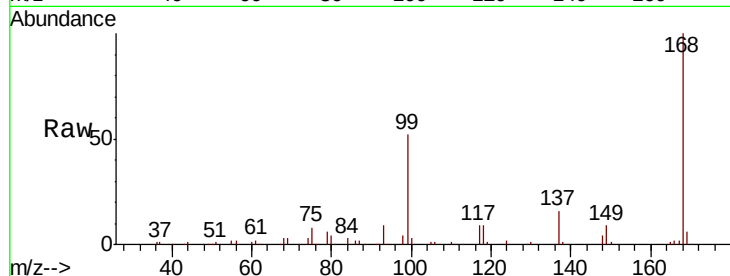




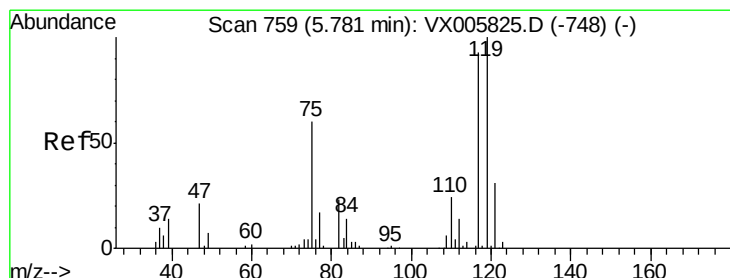
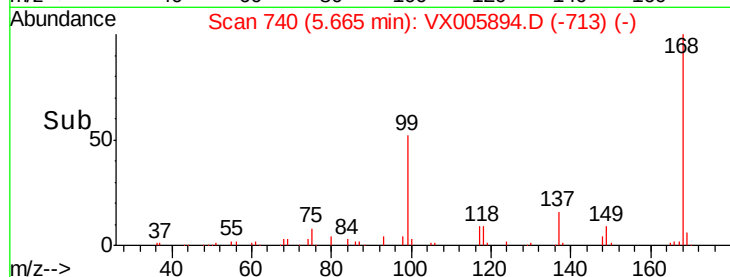
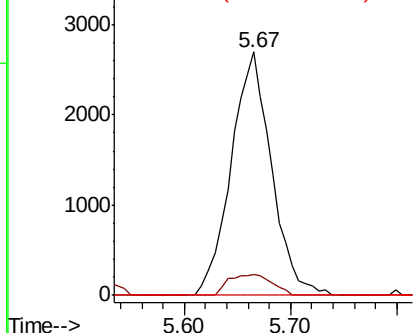
#36
 1,1-Dichloropropene
 Concen: 4.993 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX005894.D
 Acq: 12 Nov 2018 12:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBL01

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.2	17.4	52.2#
77	0.0	25.8	38.6#

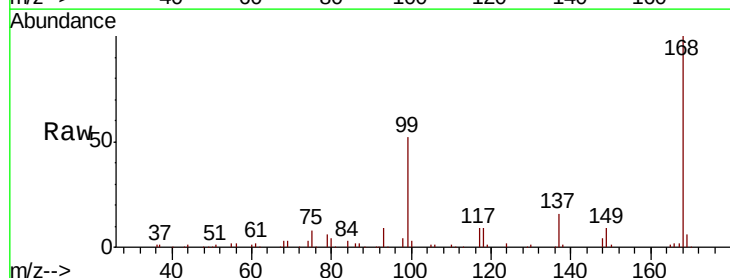


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

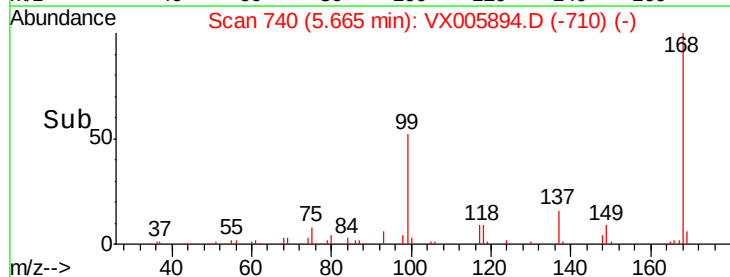
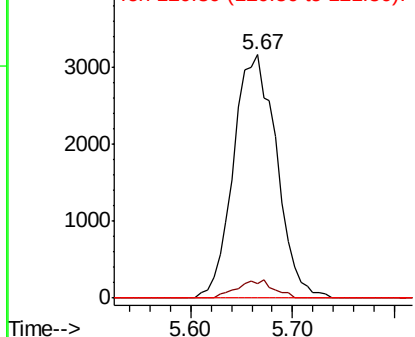


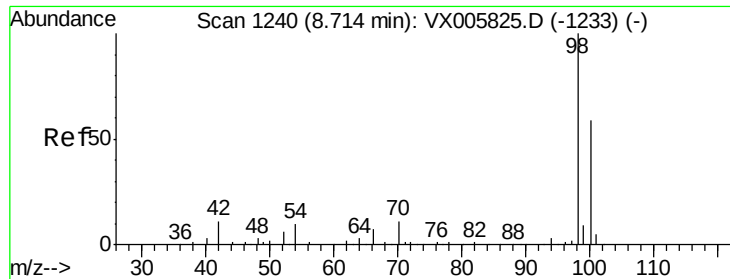
#38
 Carbon Tetrachloride
 Concen: 6.468 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX005894.D
 Acq: 12 Nov 2018 12:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.2	78.1	117.1#
121	0.0	24.6	36.8#



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: 52.366 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005894.D

Acq: 12 Nov 2018 12:28

Instrument :

MSVOA_X

ClientSampleId :

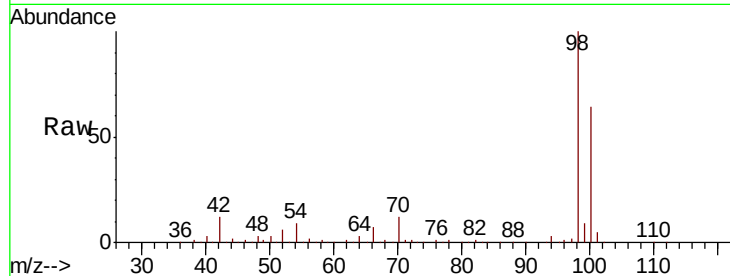
VX1112WBL01

Tot Ion: 98 Resp: 176310

Ion Ratio Lower Upper

98 100

100 63.3 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

120000

100000

80000

60000

40000

20000

0

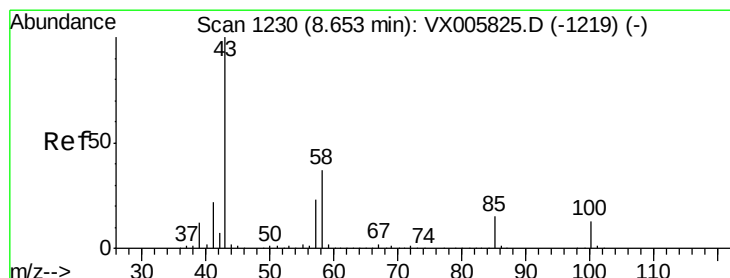
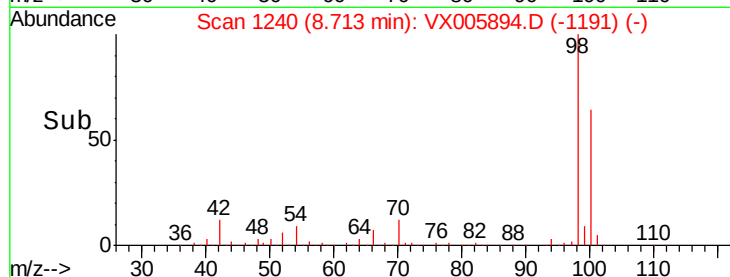
8.60

8.70

8.80

8.90

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.492 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.06 min

Lab File: VX005894.D

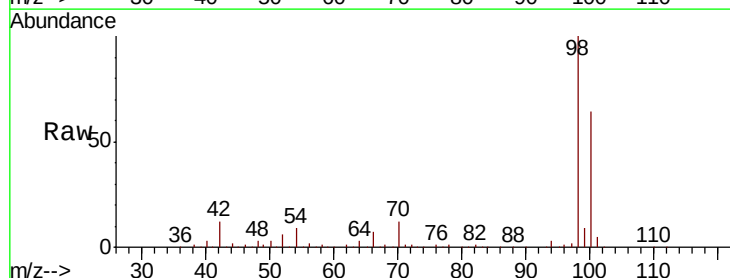
Acq: 12 Nov 2018 12:28

Tgt Ion: 43 Resp: 848

Ion Ratio Lower Upper

43 100

58 185.3 29.7 44.5#



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

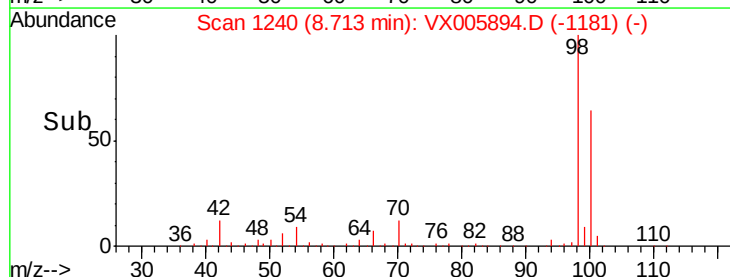
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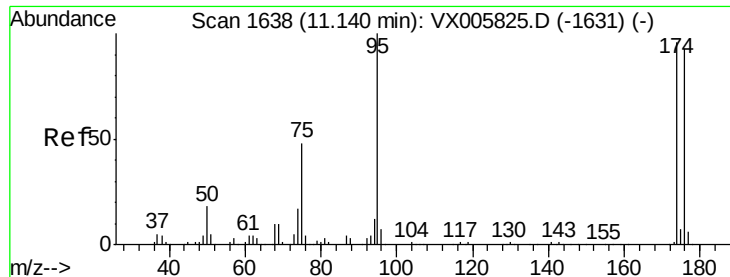
8.65

8.70

8.75

Time-->





#62

4-Bromofluorobenzene

Concen: 48.903 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005894.D

Acq: 12 Nov 2018 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBL01

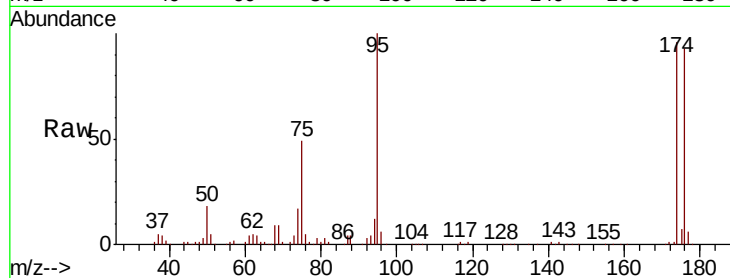
Tot Ion: 95 Resp: 59198

Ion Ratio Lower Upper

95 100

174 93.6 0.0 184.4

176 90.3 0.0 177.4

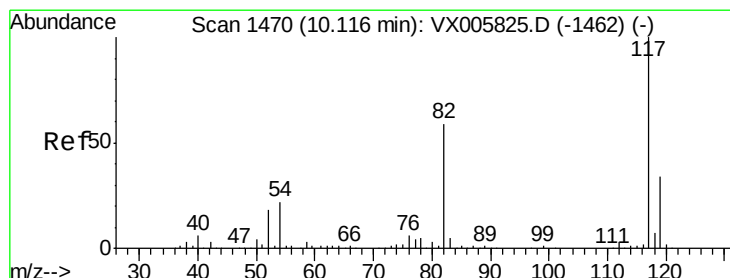
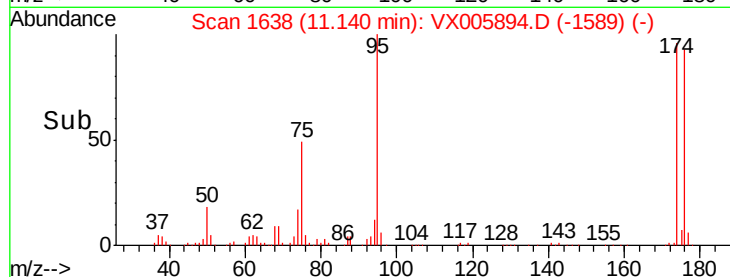


Abundance Ion 94.90 (94.60 to 95.60): VX005825.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX005825.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX005825.D (-1631) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005894.D

Acq: 12 Nov 2018 12:28

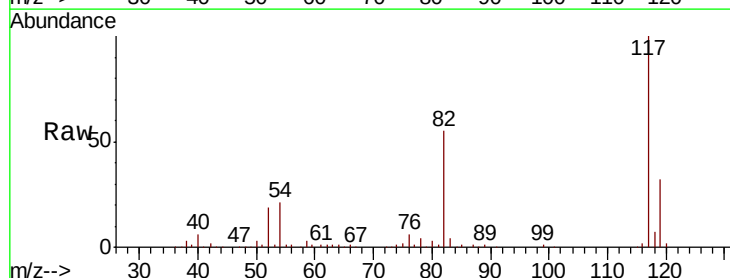
Tgt Ion: 117 Resp: 133736

Ion Ratio Lower Upper

117 100

82 54.8 44.1 66.1

119 32.2 26.2 39.2

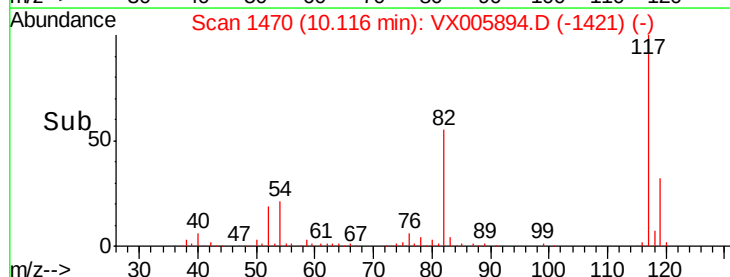


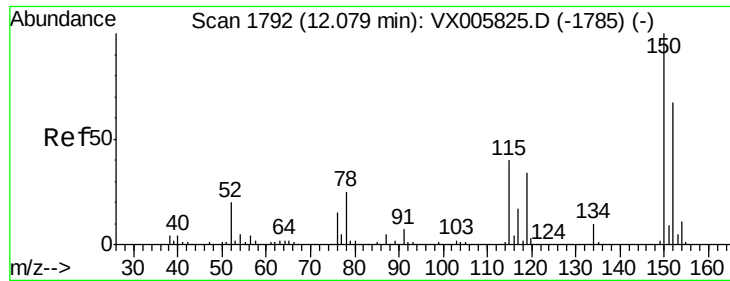
Abundance Ion 116.90 (116.60 to 117.60): VX005825.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX005825.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX005825.D (-1462) (-)

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005894.D

Acq: 12 Nov 2018 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBL01

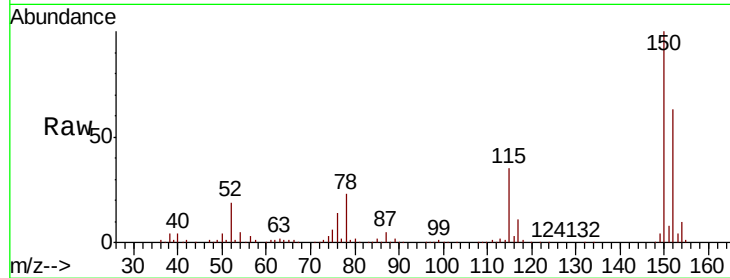
Tot Ion:152 Resp: 66534

Ion Ratio Lower Upper

152 100

115 55.2 39.4 118.1

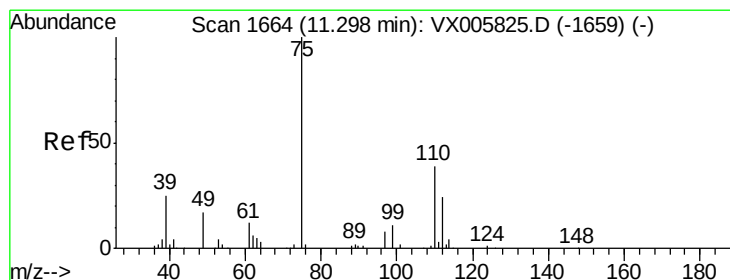
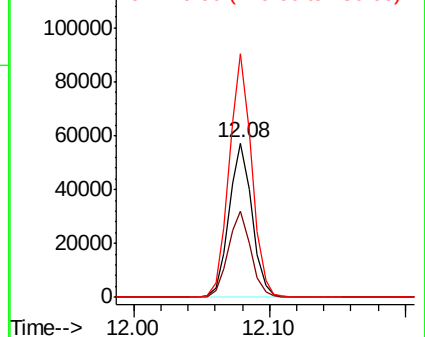
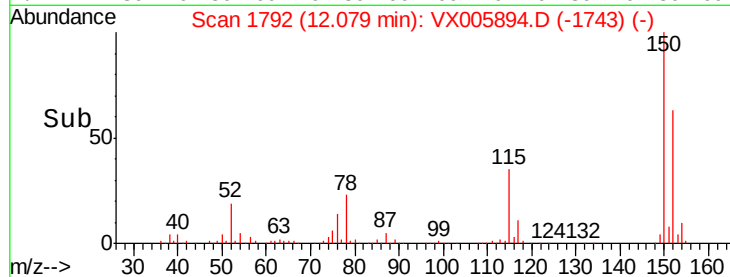
150 155.3 0.0 346.4



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: 21.852 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005894.D

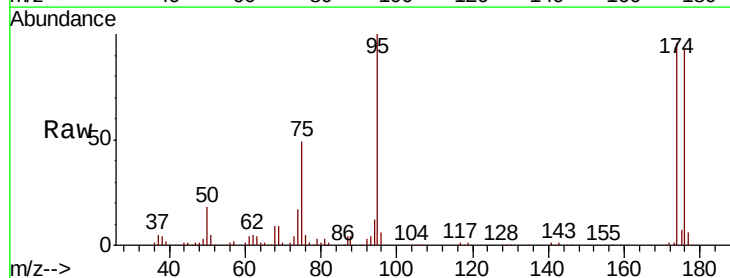
Acq: 12 Nov 2018 12:28

Tgt Ion: 75 Resp: 29605

Ion Ratio Lower Upper

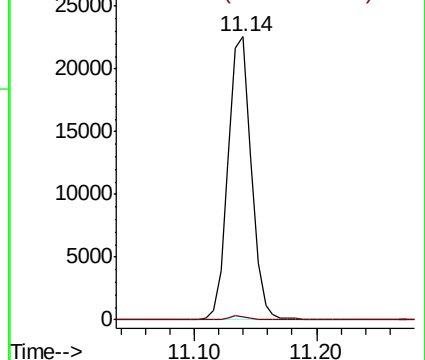
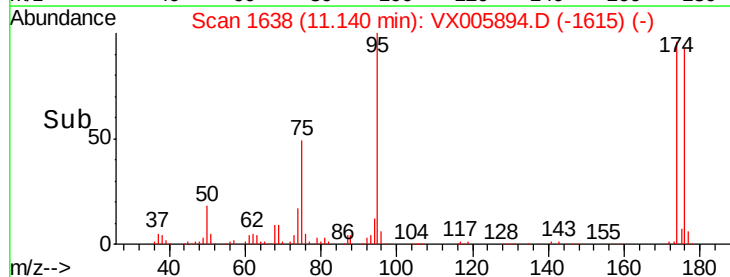
75 100

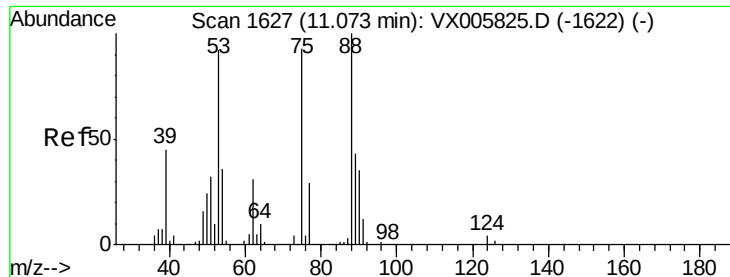
77 1.2 20.5 61.6#



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: 69.647 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005894.D

Acq: 12 Nov 2018 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBL01

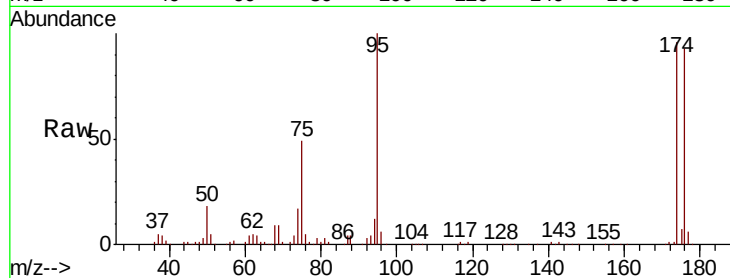
Tot Ion: 75 Resp: 29605

Ion Ratio Lower Upper

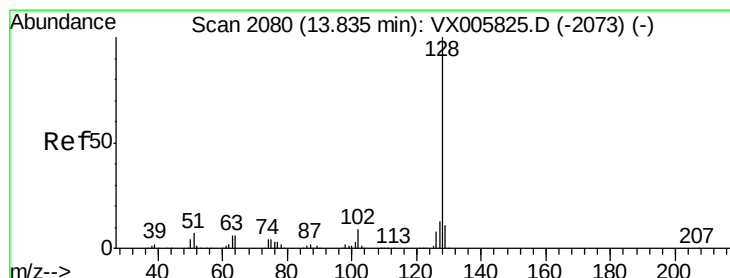
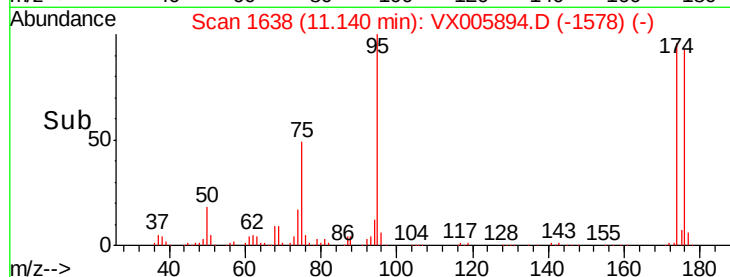
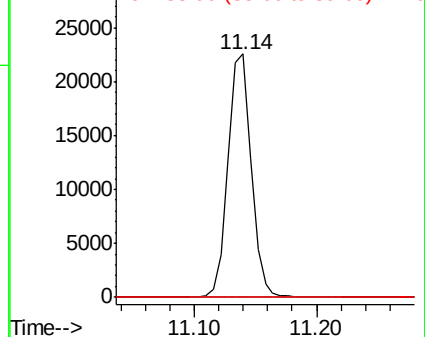
75 100

53 0.0 80.2 120.2#

89 0.0 39.8 59.8#



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



#95

Naphthalene

Concen: 1.202 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX005894.D

Acq: 12 Nov 2018 12:28

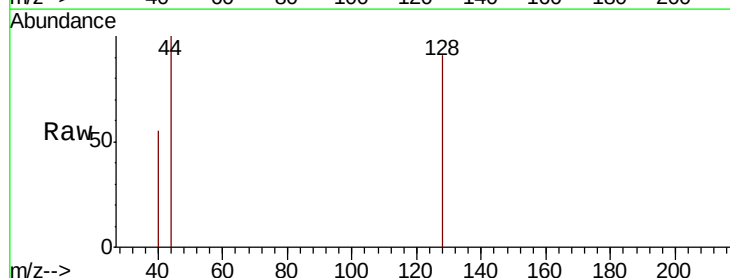
Tgt Ion: 128 Resp: 119

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

